

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122718\
 Data File : BF111777.D
 Acq On : 27 Dec 2018 21:55
 Operator : JU/SJ
 Sample : J6188-06MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Quant Time: Dec 28 00:17:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	132844	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	454841	20.00	ng	0.01
39) Acenaphthene-d10	9.95	164	204301	20.00	ng	0.01
64) Phenanthrene-d10	11.43	188	369721	20.00	ng	0.02
76) Chrysene-d12	14.07	240	289424	20.00	ng	0.02
87) Perylene-d12	15.56	264	226230	20.00	ng	0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.56	112	833945	107.00	ng	0.04
7) Phenol-d6	6.56	99	937576	94.53	ng	0.04
23) Nitrobenzene-d5	7.47	82	748435	95.78	ng	0.01
42) 2,4,6-Tribromophenol	10.74	330	302999	125.52	ng	0.02
45) 2-Fluorobiphenyl	9.26	172	1315834	93.88	ng	0.00
79) Terphenyl-d14	13.02	244	1375784	90.15	ng	0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.86	88	117307	31.992	ng	# 84
3) Pyridine	3.58	79	260777	27.298	ng	98
4) n-Nitrosodimethylamine	3.51	42	196274	41.982	ng	81
6) Aniline	6.57	93	59554	4.710	ng	# 1
8) 2-Chlorophenol	6.70	128	336924	39.026	ng	97
9) Benzaldehyde	6.46	77	200223	29.352	ng	97
10) Phenol	6.57	94	327404	29.256	ng	96
11) bis(2-Chloroethyl)ether	6.64	93	334692	39.910	ng	98
12) 1,3-Dichlorobenzene	6.85	146	394672	39.447	ng	98
13) 1,4-Dichlorobenzene	6.93	146	399193	39.342	ng	98
14) 1,2-Dichlorobenzene	7.08	146	376002	39.718	ng	98
15) Benzyl Alcohol	7.05	79	289098	36.700	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.18	45	552423	35.767	ng	75
17) 2-Methylphenol	7.17	107	253005	36.599	ng	# 83
18) Hexachloroethane	7.42	117	116953	34.204	ng	# 86
19) n-Nitroso-di-n-propylamine	7.32	70	258493	39.243	ng	98
20) 3+4-Methylphenols	7.32	107	325377	37.250	ng	# 72
22) Acetophenone	7.31	105	482332	41.859	ng	# 90
24) Nitrobenzene	7.49	77	373441	45.598	ng	100
25) Isophorone	7.73	82	652066	47.005	ng	98
26) 2-Nitrophenol	7.80	139	157325	47.365	ng	96
27) 2,4-Dimethylphenol	7.85	122	277445	42.373	ng	92
28) bis(2-Chloroethoxy)methane	7.93	93	406834	44.071	ng	99
29) 2,4-Dichlorophenol	8.05	162	280229	39.790	ng	97
30) 1,2,4-Trichlorobenzene	8.13	180	324640	41.366	ng	96
31) Naphthalene	8.22	128	971190	44.439	ng	97
32) Benzoic acid	7.95	122	116791	26.977	ng	89
33) 4-Chloroaniline	8.26	127	41728	4.418	ng	97
34) Hexachlorobutadiene	8.33	225	201791	42.188	ng	98
35) Caprolactam	8.61	113	55332	23.186	ng	93
36) 4-Chloro-3-methylphenol	8.75	107	256461	37.045	ng	98
37) 2-Methylnaphthalene	8.90	142	638943	44.937	ng	97
38) 1-Methylnaphthalene	9.00	142	600062	43.942	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.07	216	305999	45.581	ng	# 98

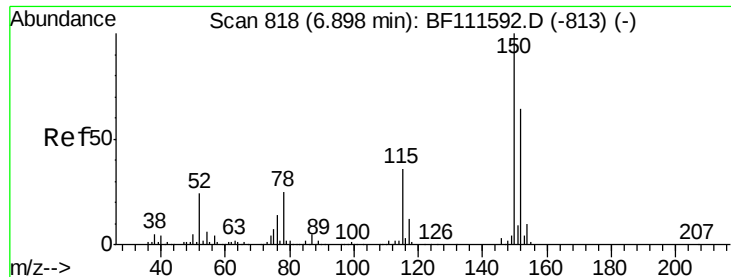
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122718\
 Data File : BF111777.D
 Acq On : 27 Dec 2018 21:55
 Operator : JU/SJ
 Sample : J6188-06MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Quant Time: Dec 28 00:17:56 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.06	237	105417	32.359	ng	98
43) 2,4,6-Trichlorophenol	9.19	196	189484	42.275	ng	99
44) 2,4,5-Trichlorophenol	9.23	196	193496	42.081	ng	95
46) 1,1'-Biphenyl	9.36	154	769390	44.612	ng	94
47) 2-Chloronaphthalene	9.39	162	588340	43.058	ng	94
48) 2-Nitroaniline	9.48	65	182991	51.479	ng	97
49) Acenaphthylene	9.81	152	913656	45.797	ng	94
50) Dimethylphthalate	9.66	163	702141	46.998	ng	98
51) 2,6-Dinitrotoluene	9.72	165	138259	46.411	ng	97
52) Acenaphthene	9.98	154	536124	43.571	ng	98
53) 3-Nitroaniline	9.89	138	76439	24.059	ng	98
54) 2,4-Dinitrophenol	9.99	184	21413	27.659	ng	# 73
55) Dibenzofuran	10.15	168	802315	43.160	ng	95
56) 4-Nitrophenol	10.07	139	162505	67.023	ng	93
57) 2,4-Dinitrotoluene	10.12	165	176801	49.381	ng	# 94
58) Fluorene	10.49	166	615127	45.921	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.27	232	162104	41.891	ng	89
60) Diethylphthalate	10.36	149	668439	45.611	ng	99
61) 4-Chlorophenyl-phenylether	10.48	204	316111	42.713	ng	97
62) 4-Nitroaniline	10.50	138	144261	46.718	ng	89
63) Azobenzene	10.65	77	605310	41.142	ng	94
65) 4,6-Dinitro-2-methylphenol	10.53	198	18284	16.990	ng	80
66) n-Nitrosodiphenylamine	10.60	169	534739	43.087	ng	99
67) 4-Bromophenyl-phenylether	10.97	248	193633	42.225	ng	91
68) Hexachlorobenzene	11.05	284	218694	42.772	ng	98
69) Atrazine	11.13	200	172512	40.011	ng	96
70) Pentachlorophenol	11.24	266	163376	51.686	ng	95
71) Phenanthrene	11.46	178	897014	45.748	ng	95
72) Anthracene	11.51	178	922215	46.858	ng	95
73) Carbazole	11.66	167	792264	41.463	ng	95
74) Di-n-butylphthalate	11.99	149	995281	46.457	ng	96
75) Fluoranthene	12.64	202	944045	47.546	ng	95
77) Benzidine	12.76	184	130427	11.976	ng	# 95
78) Pyrene	12.87	202	953969	46.675	ng	96
80) Butylbenzylphthalate	13.49	149	410610	49.286	ng	88
81) Benzo(a)anthracene	14.06	228	785671	47.566	ng	99
82) 3,3'-Dichlorobenzidine	14.02	252	83936	12.862	ng	97
83) Chrysene	14.10	228	731000	45.029	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	572142	54.520	ng	# 98
85) Di-n-octyl phthalate	14.66	149	901483	55.445	ng	96
86) Indeno(1,2,3-cd)pyrene	17.07	276	571677	41.424	ng	# 86
88) Benzo(b)fluoranthene	15.12	252	665390	50.325	ng	# 96
89) Benzo(k)fluoranthene	15.15	252	560536	44.531	ng	# 97
90) Benzo(a)pyrene	15.50	252	568660	47.341	ng	# 93
91) Dibenzo(a,h)anthracene	17.08	278	489018	46.490	ng	# 90
92) Benzo(g,h,i)perylene	17.52	276	468567	45.620	ng	# 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

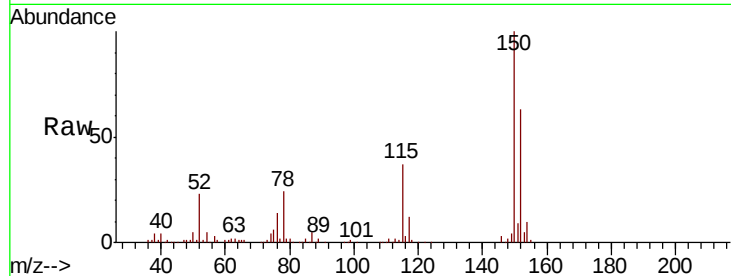


#1

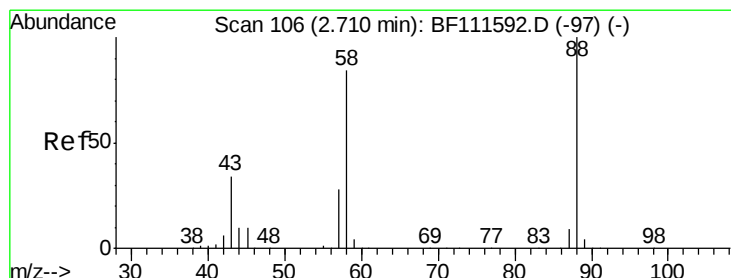
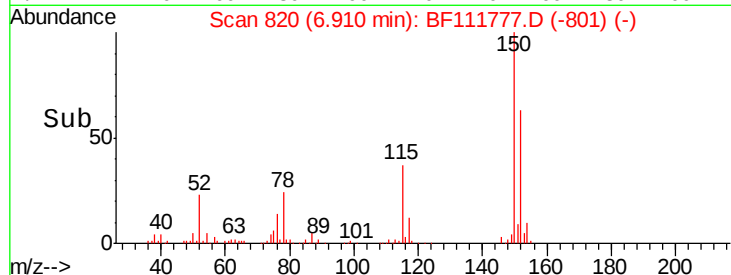
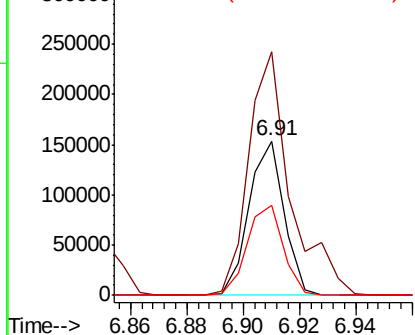
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:152 Resp: 132844
Ion Ratio Lower Upper
152 100
150 158.1 126.6 189.8
115 58.1 50.7 76.1



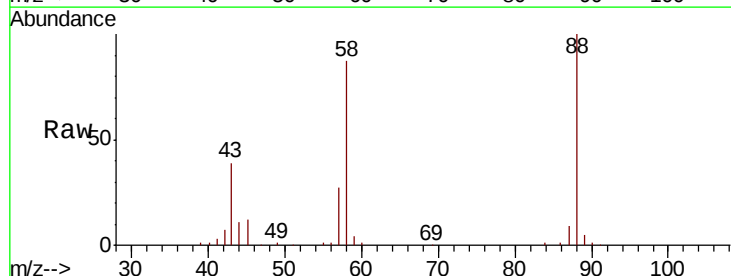
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



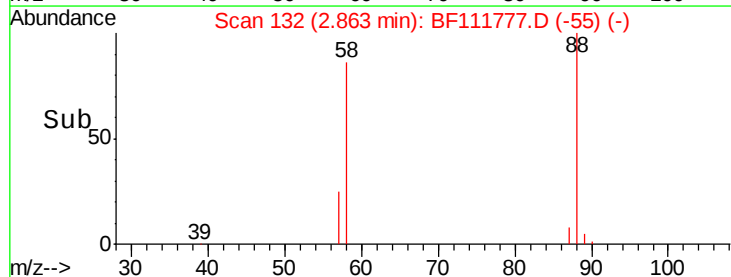
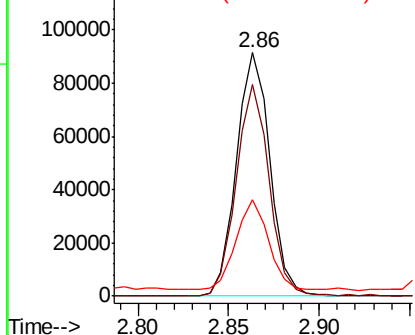
#2

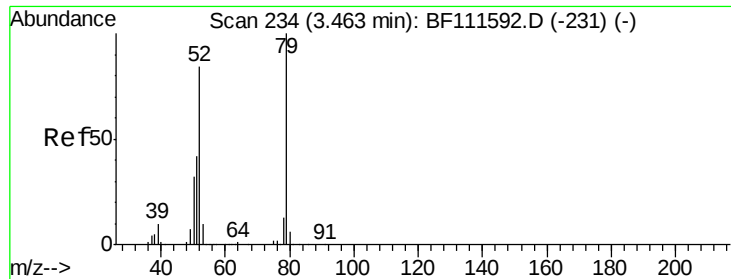
1,4-Dioxane
Concen: 31.992 ng
RT: 2.86 min Scan# 132
Delta R.T. 0.15 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion: 88 Resp: 117307
Ion Ratio Lower Upper
88 100
58 85.4 68.9 103.3
43 0.0 25.8 38.6#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

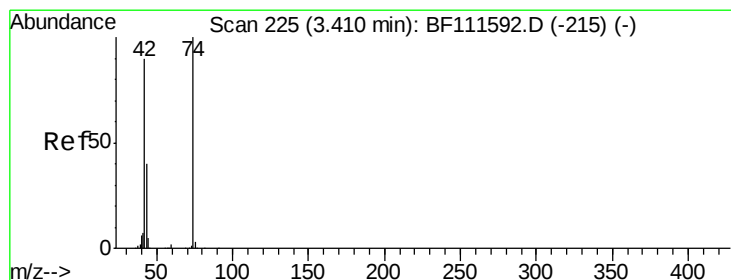
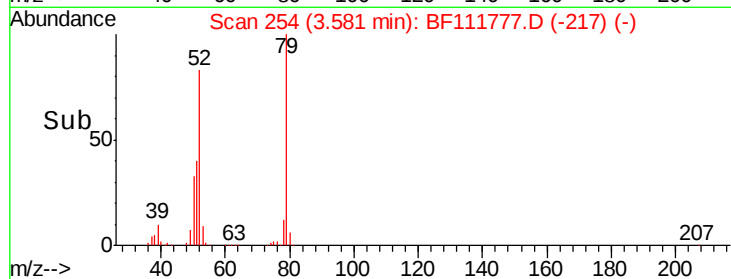
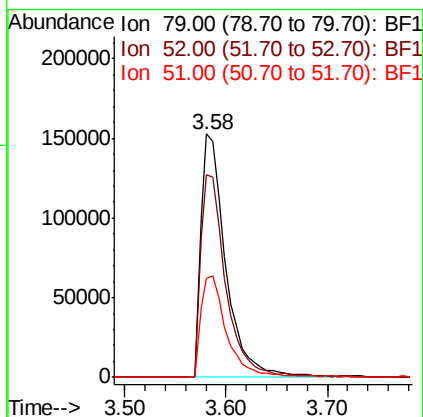
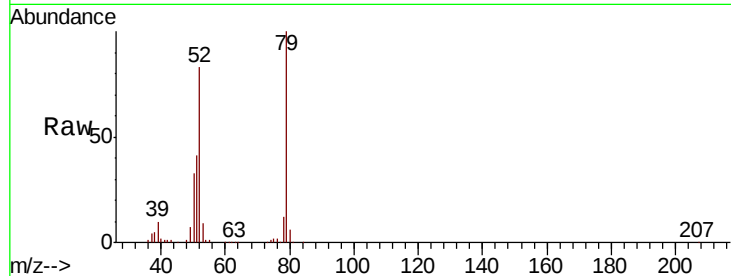




#3
 Pyridine
 Concen: 27.298 ng
 RT: 3.58 min Scan# 254
 Delta R.T. 0.12 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

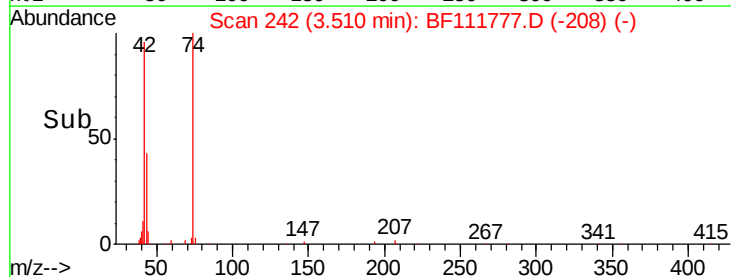
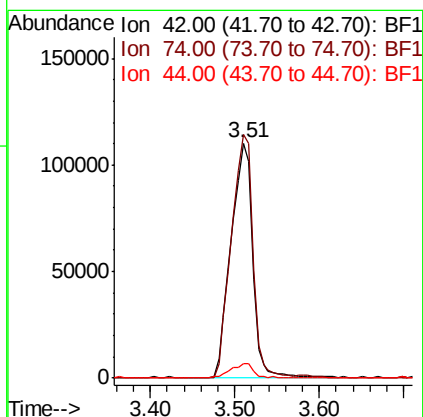
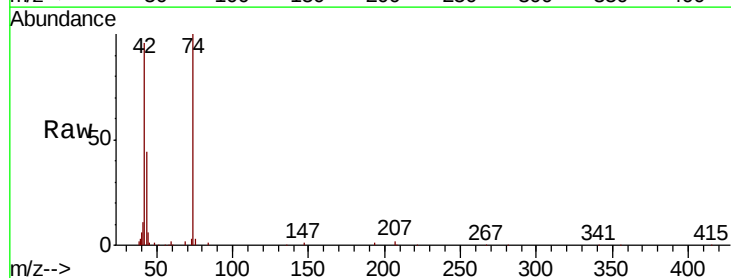
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

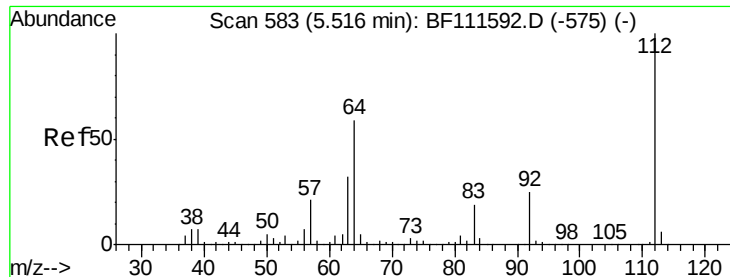
Tgt Ion: 79 Resp: 260777
 Ion Ratio Lower Upper
 79 100
 52 83.3 68.3 102.5
 51 40.8 32.6 49.0



#4
 n-Nitrosodimethylamine
 Concen: 41.982 ng
 RT: 3.51 min Scan# 242
 Delta R.T. 0.10 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion: 42 Resp: 196274
 Ion Ratio Lower Upper
 42 100
 74 103.7 101.5 152.3
 44 6.3 6.0 9.0





#5

2-Fluorophenol

Concen: 107.004 ng

RT: 5.56 min Scan# 590

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

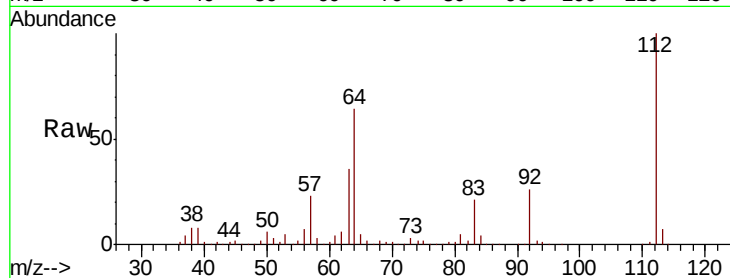
Tgt Ion: 112 Resp: 833945

Ion Ratio Lower Upper

112 100

64 63.6 51.8 77.6

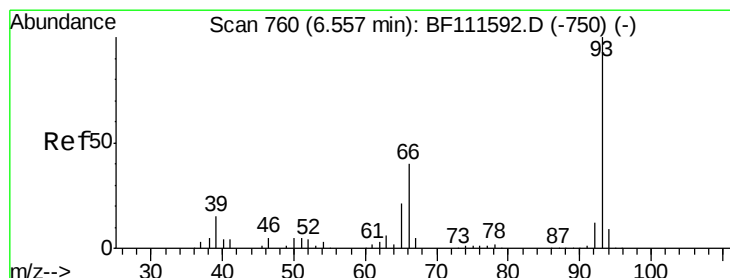
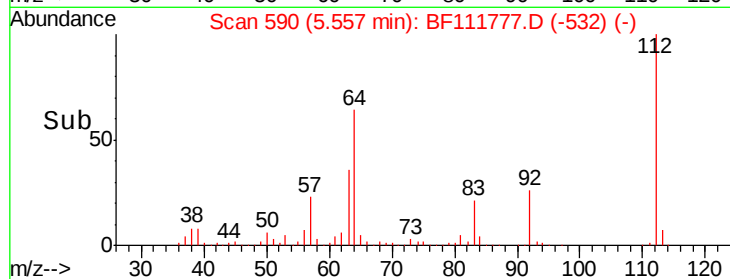
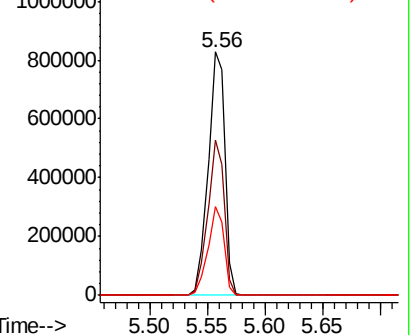
63 36.3 26.8 40.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 4.710 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

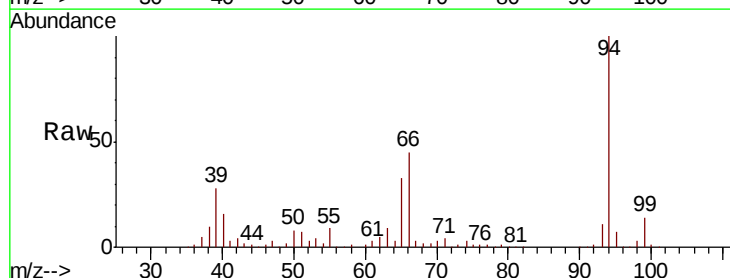
Tgt Ion: 93 Resp: 59554

Ion Ratio Lower Upper

93 100

66 413.2 33.2 49.8#

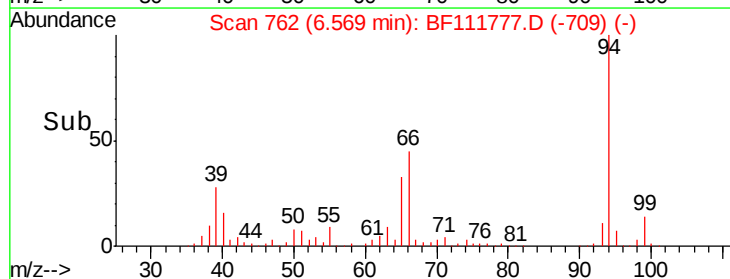
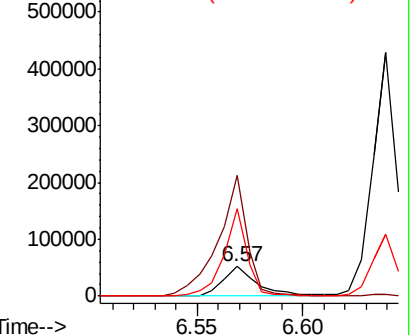
65 297.2 17.0 25.4#

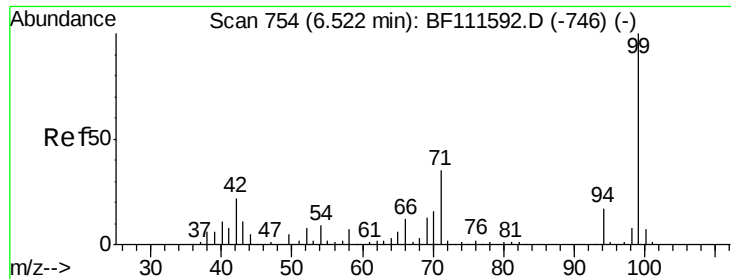


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 94.528 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

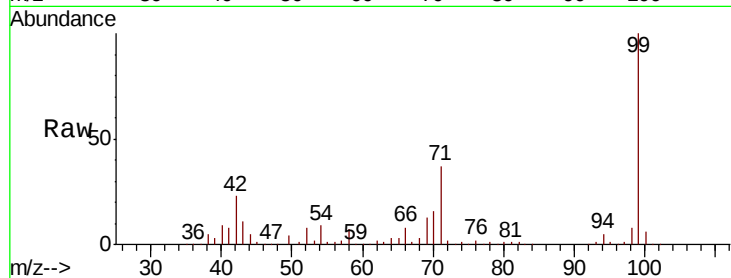
Tgt Ion: 99 Resp: 937576

Ion Ratio Lower Upper

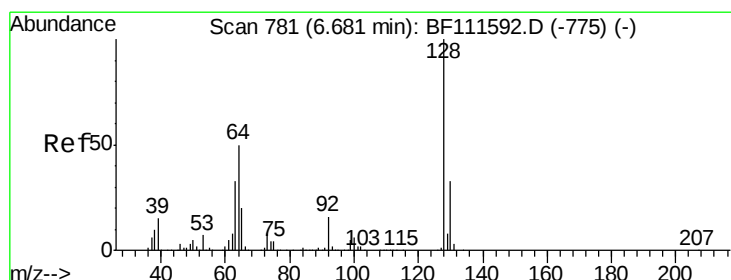
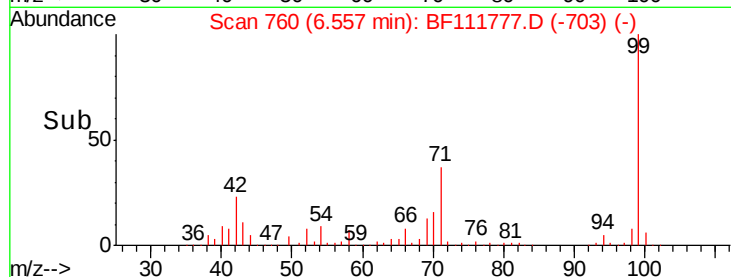
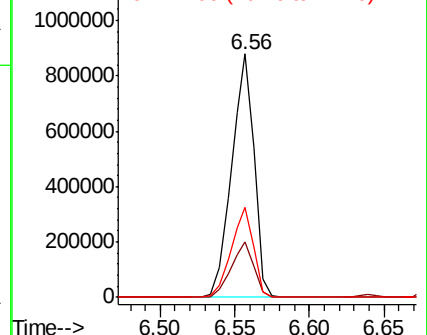
99 100

42 22.6 17.4 26.0

71 37.1 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.026 ng

RT: 6.70 min Scan# 785

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

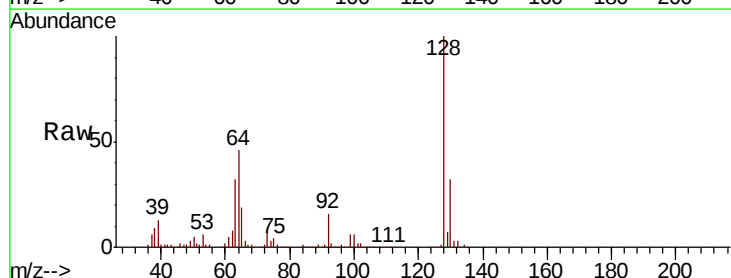
Tgt Ion: 128 Resp: 336924

Ion Ratio Lower Upper

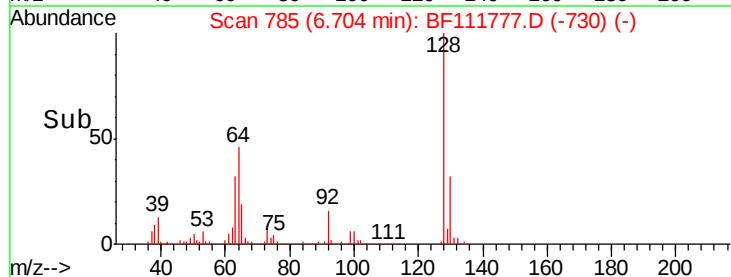
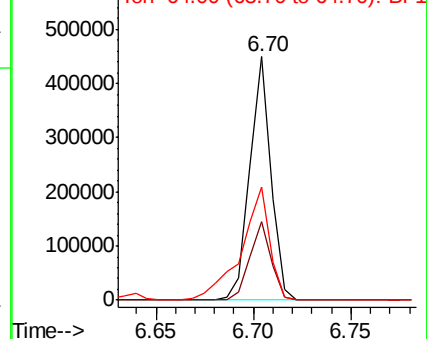
128 100

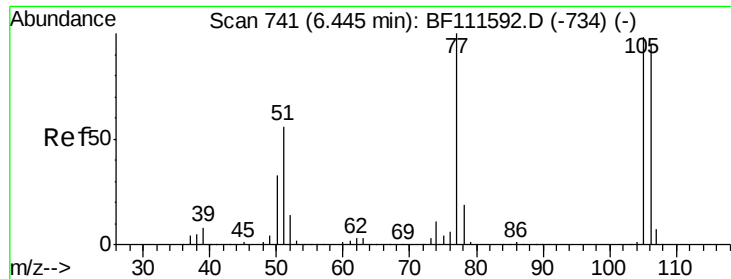
130 32.5 12.7 52.7

64 46.3 30.0 70.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 29.352 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

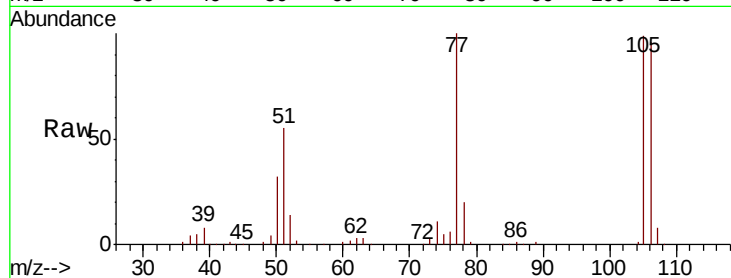
Tgt Ion: 77 Resp: 200223

Ion Ratio Lower Upper

77 100

105 98.6 81.4 121.4

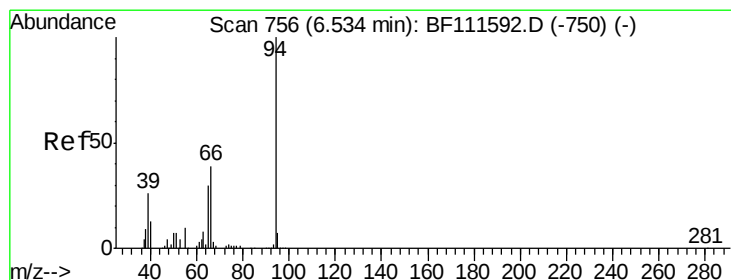
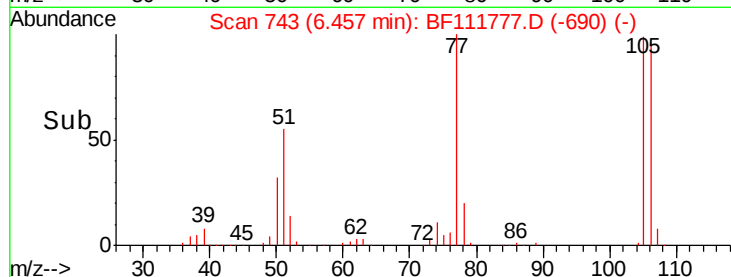
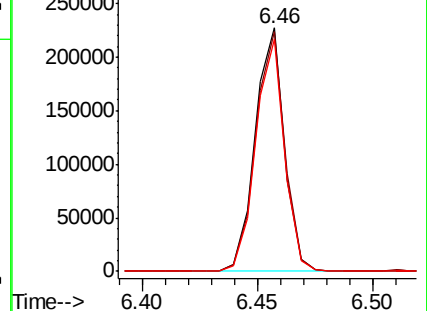
106 95.5 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 29.256 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

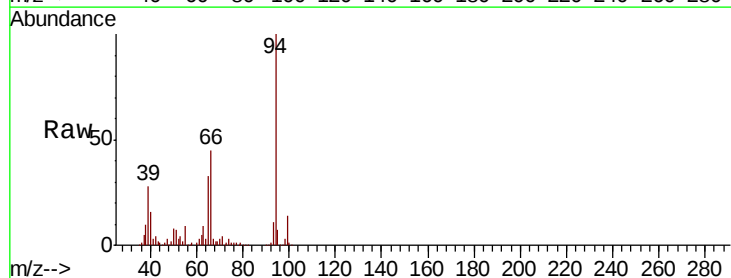
Tgt Ion: 94 Resp: 327404

Ion Ratio Lower Upper

94 100

65 32.5 11.7 51.7

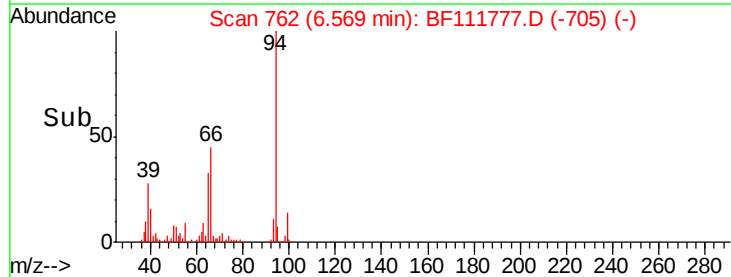
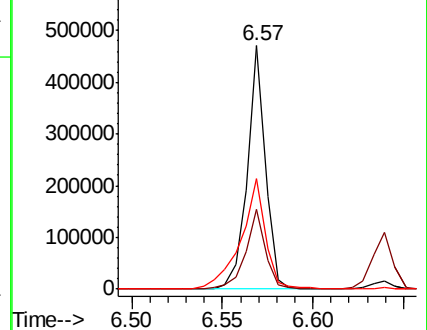
66 45.2 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

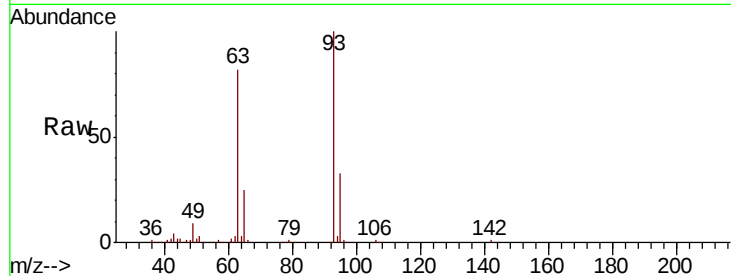




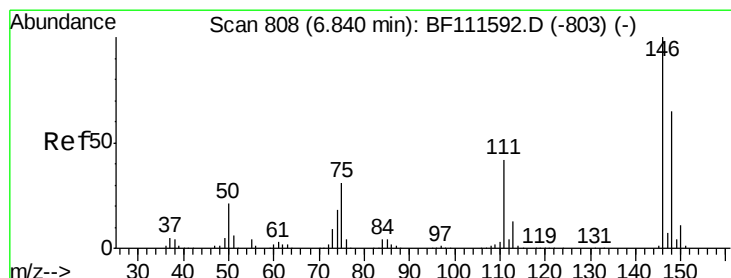
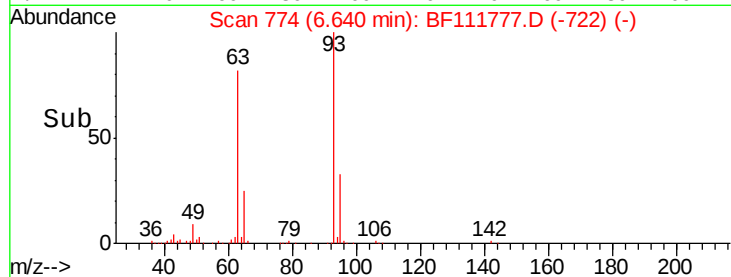
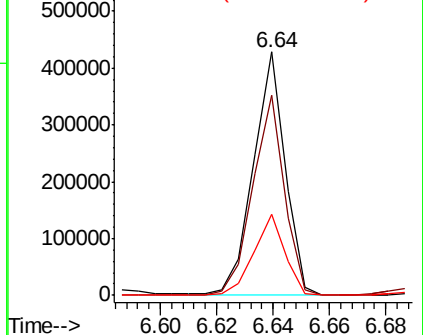
#11
bis(2-Chloroethyl)ether
Concen: 39.910 ng
RT: 6.64 min Scan# 774
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:	93	Resp:	334692
Ion	Ratio	Lower	Upper
93	100		
63	82.3	60.0	100.0
95	33.2	13.4	53.4

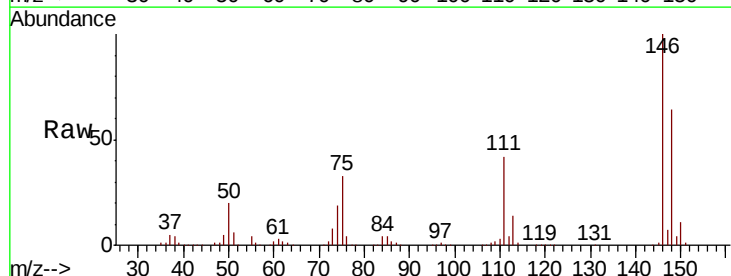


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

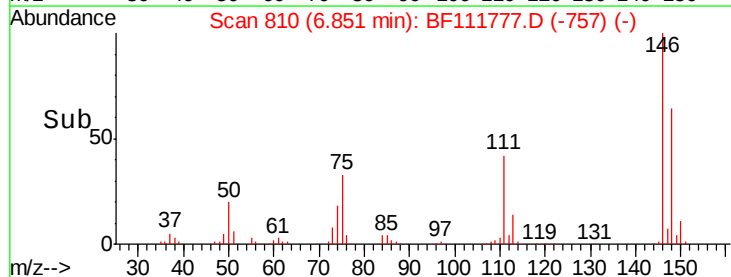
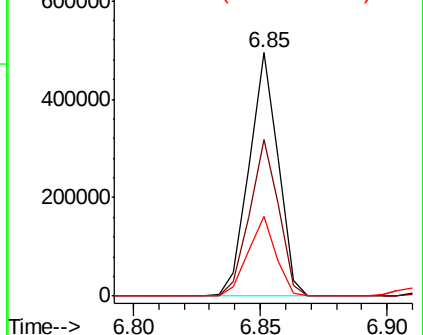


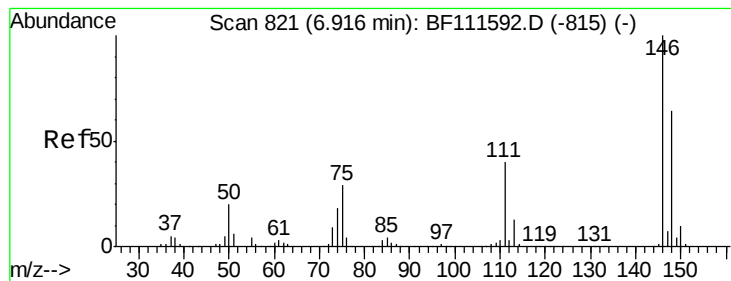
#12
1,3-Dichlorobenzene
Concen: 39.447 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:	146	Resp:	394672
Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.1	78.1
75	32.6	23.9	35.9



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 39.342 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

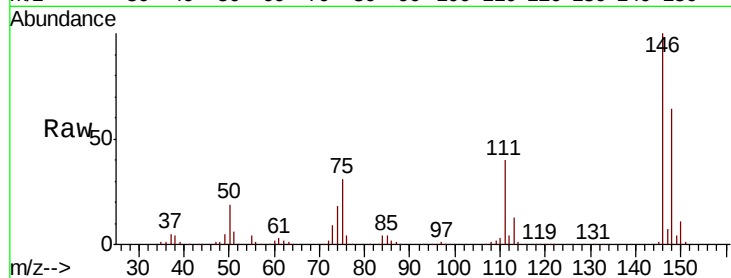
Tgt Ion:146 Resp: 399193

Ion Ratio Lower Upper

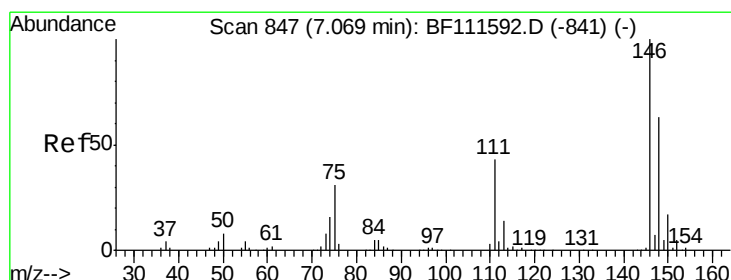
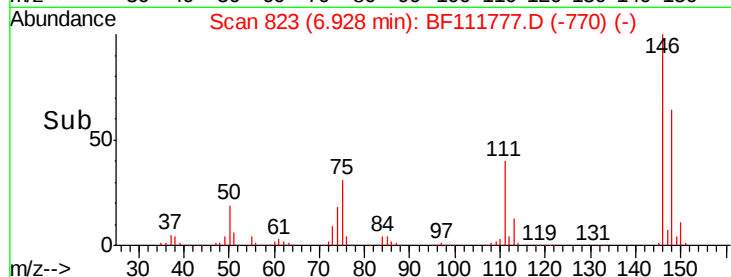
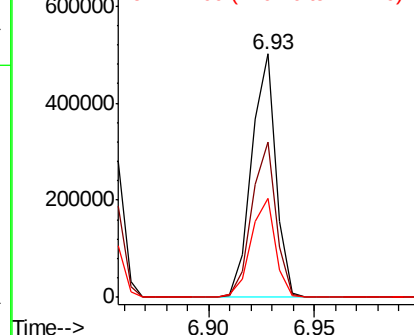
146 100

148 63.8 52.8 79.2

111 40.5 33.4 50.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.718 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

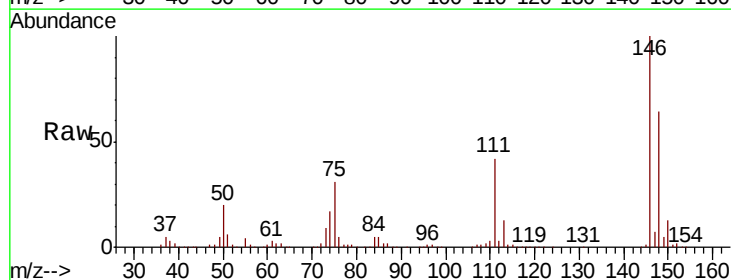
Tgt Ion:146 Resp: 376002

Ion Ratio Lower Upper

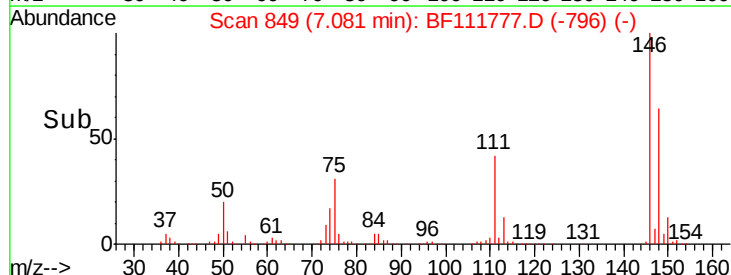
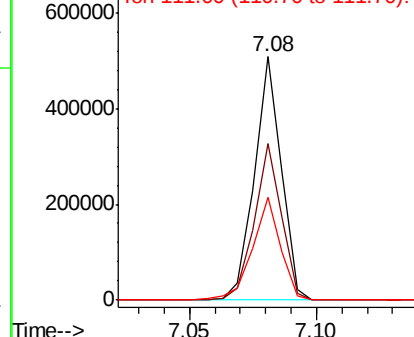
146 100

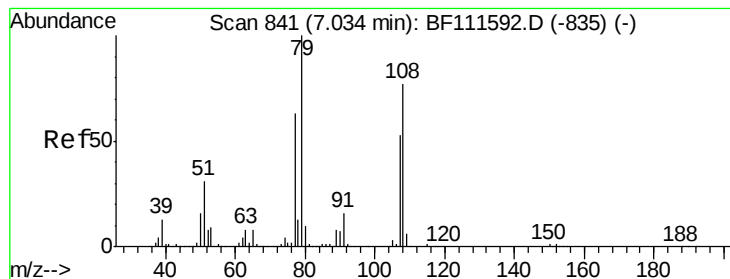
148 64.3 51.9 77.9

111 42.5 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 36.700 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

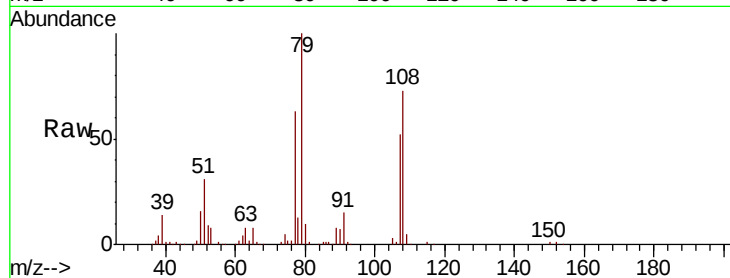
Tgt Ion: 79 Resp: 289098

Ion Ratio Lower Upper

79 100

108 72.5 69.4 104.2

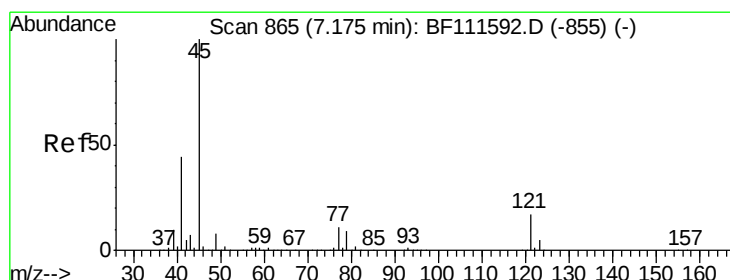
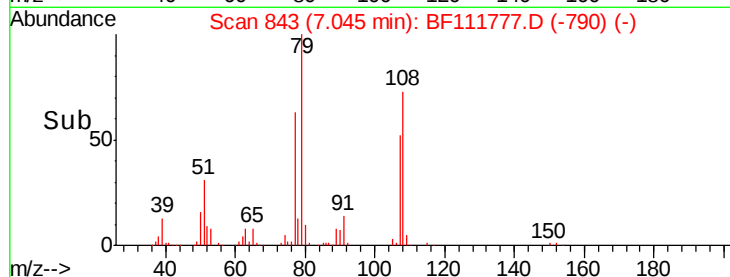
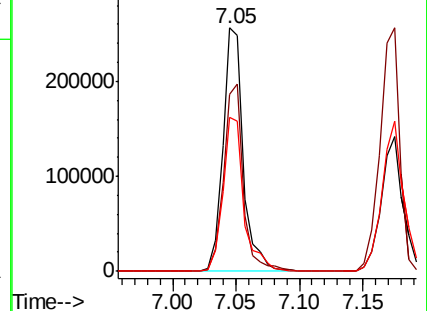
77 63.2 49.7 74.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 35.767 ng

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

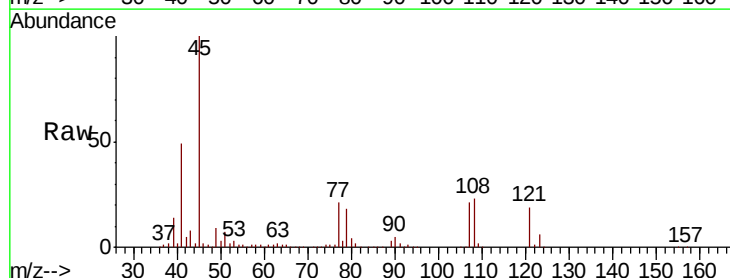
Tgt Ion: 45 Resp: 552423

Ion Ratio Lower Upper

45 100

77 21.4 0.0 31.5

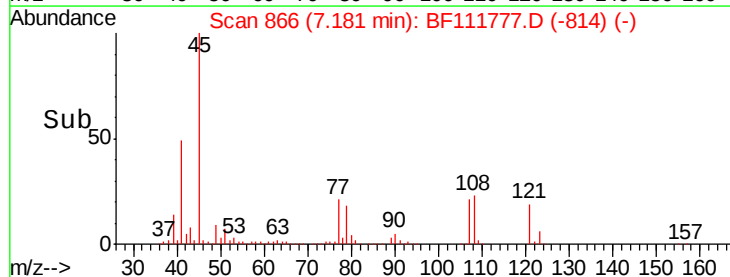
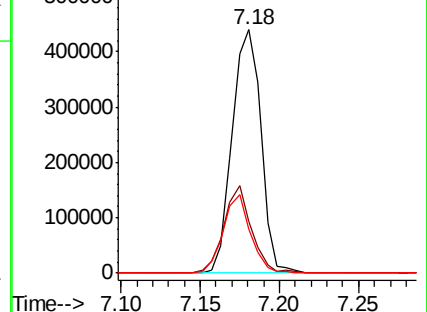
79 17.9 0.0 28.9

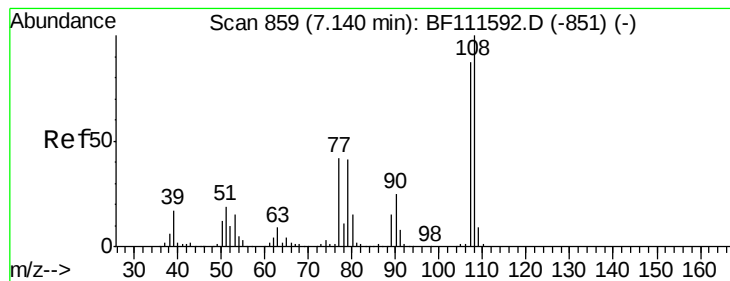


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 36.599 ng

RT: 7.17 min Scan# 865

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

Tgt Ion:107 Resp: 253005

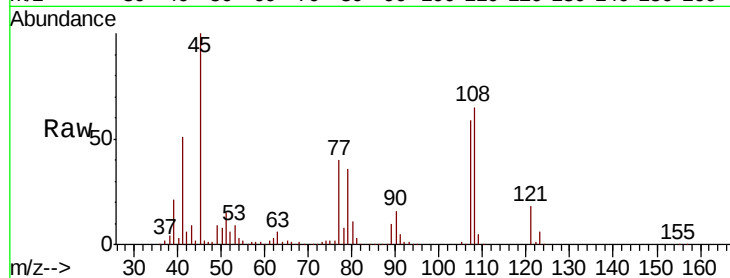
Ion Ratio Lower Upper

107 100

108 109.5 91.0 136.4

77 67.3 33.5 50.3#

79 60.4 33.3 49.9#



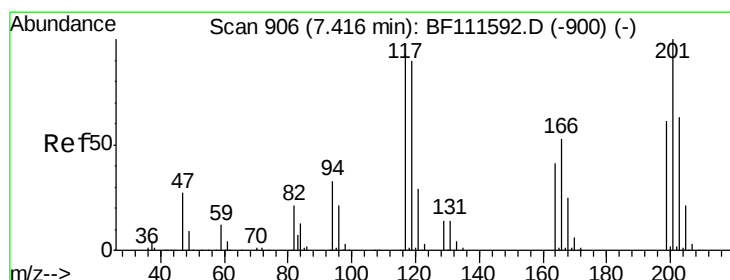
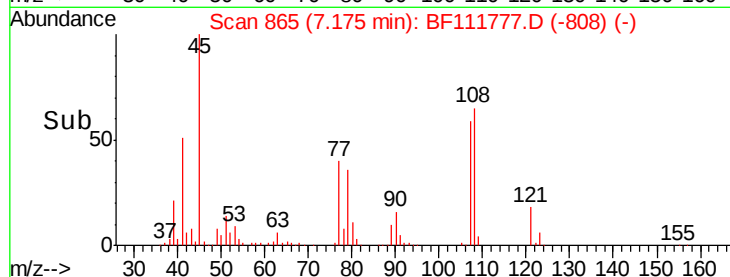
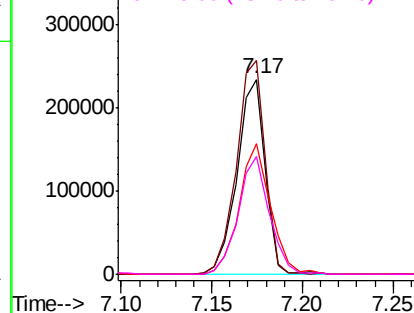
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 34.204 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

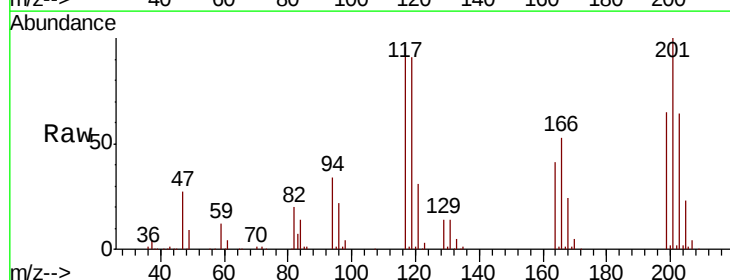
Tgt Ion:117 Resp: 116953

Ion Ratio Lower Upper

117 100

119 95.4 75.4 113.0

201 104.3 62.4 93.6#

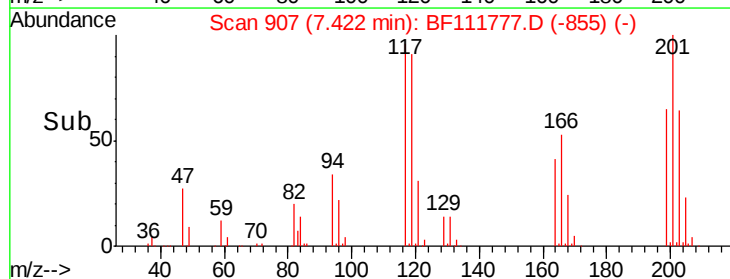
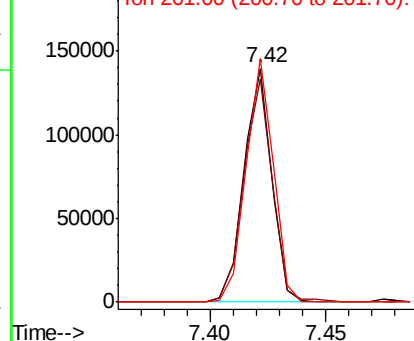


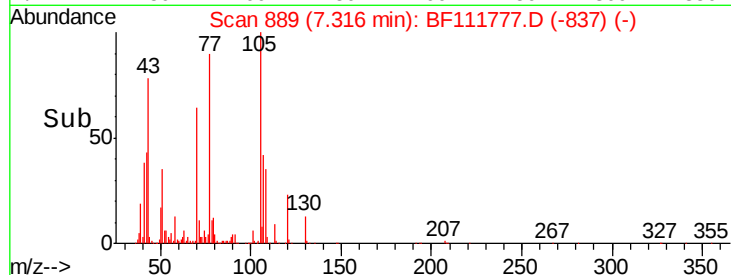
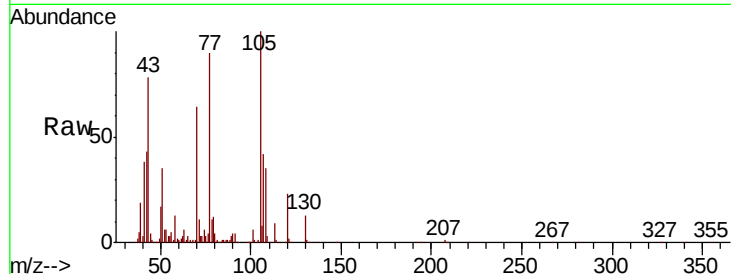
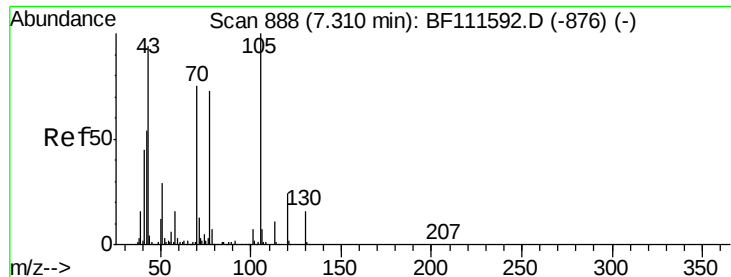
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

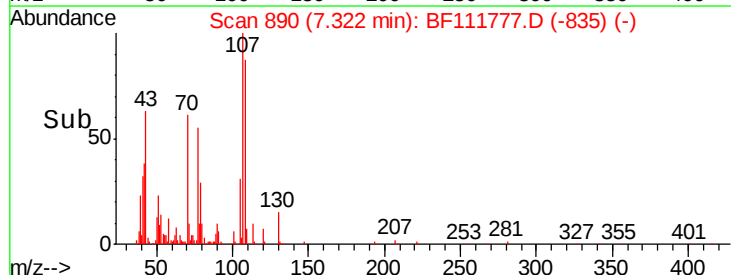
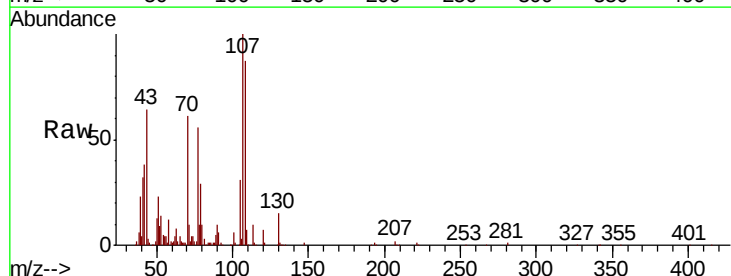
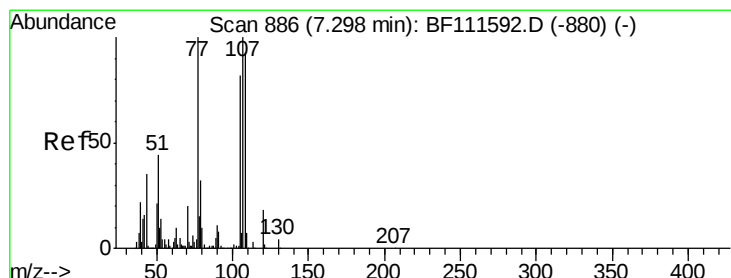
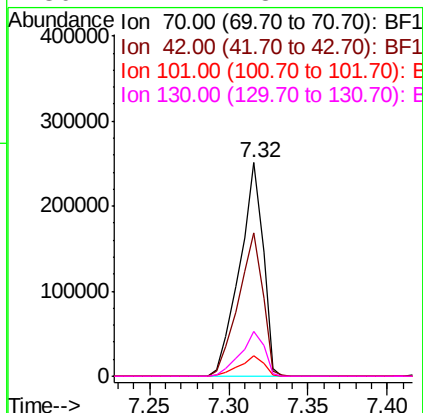




#19
n-Nitroso-di-n-propylamine
Concen: 39.243 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

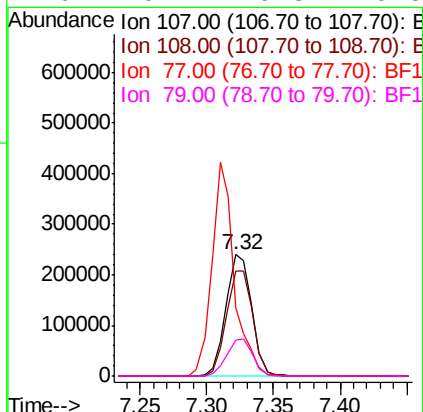
Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

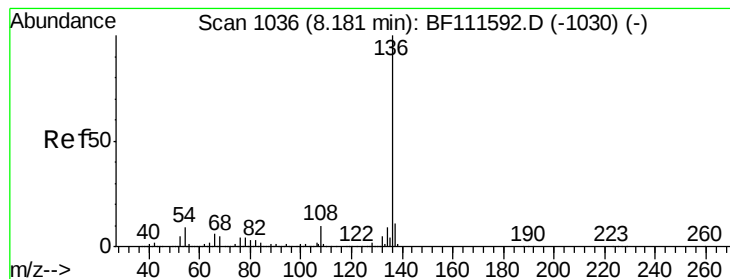
Tgt Ion:	70	Resp:	258493
Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.2	79.8
101	9.5	8.2	12.4
130	21.1	18.1	27.1



#20
3+4-Methylphenols
Concen: 37.250 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:	107	Resp:	325377
Ion	Ratio	Lower	Upper
107	100		
108	87.0	72.1	112.1
77	55.5	94.1	134.1#
79	29.1	9.8	49.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

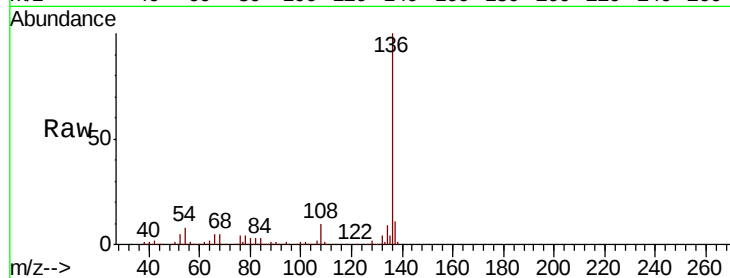
Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

Tgt Ion:	136	Resp:	454841
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	7.7	7.7	11.5#
68	4.9	4.9	7.3



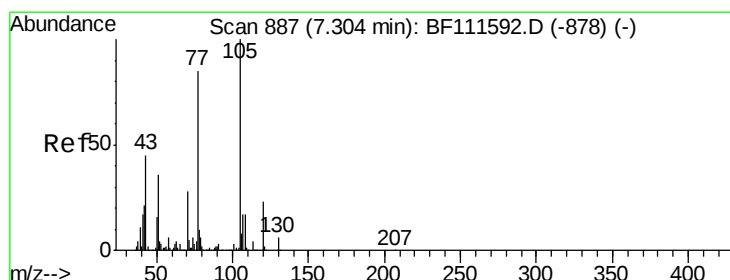
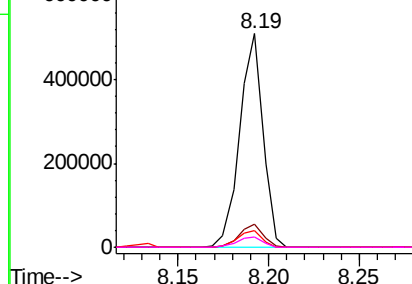
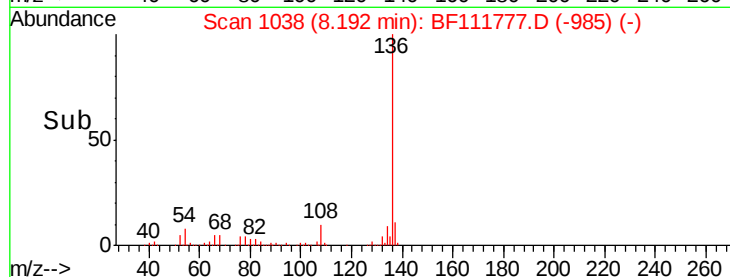
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 41.859 ng

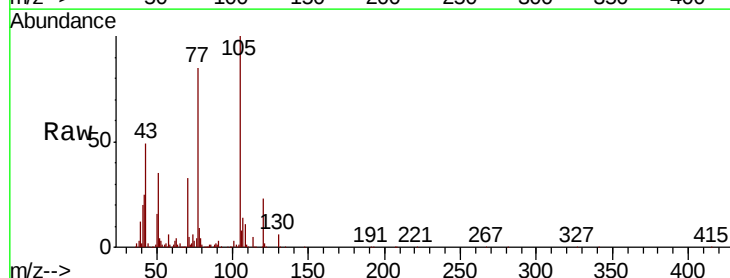
RT: 7.31 min Scan# 888

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:	105	Resp:	482332
Ion Ratio	Lower	Upper	
105	100		
71	5.5	3.1	4.7#
51	35.4	36.6	54.8#
120	23.2	18.2	27.4



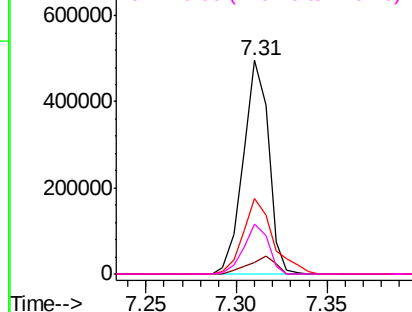
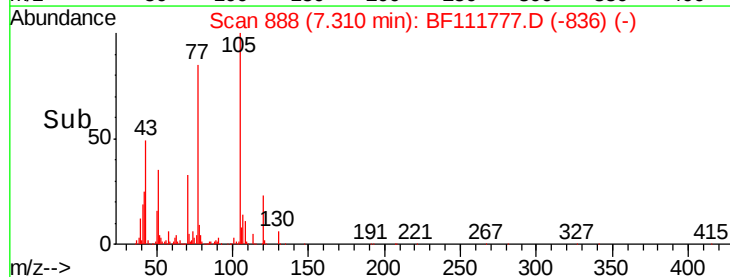
Abundance

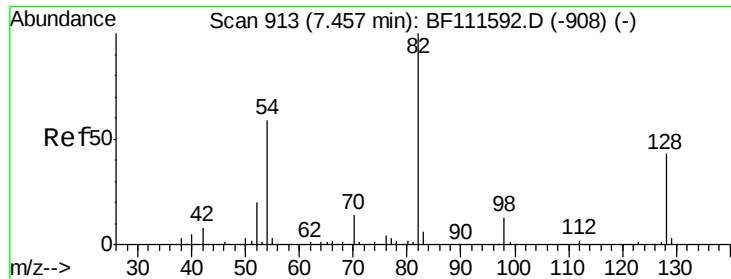
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

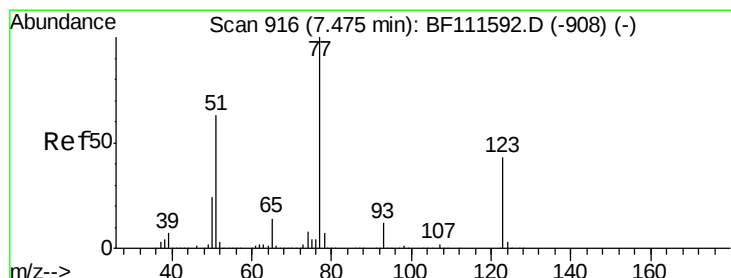
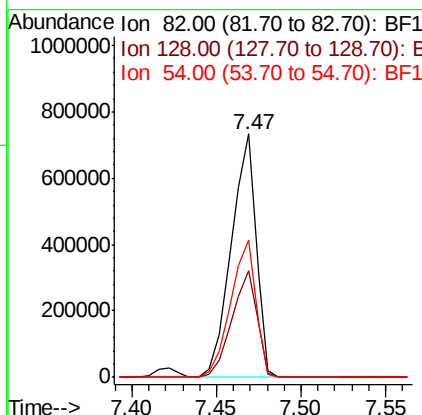
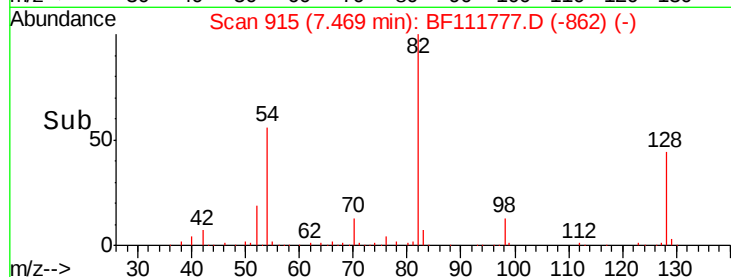
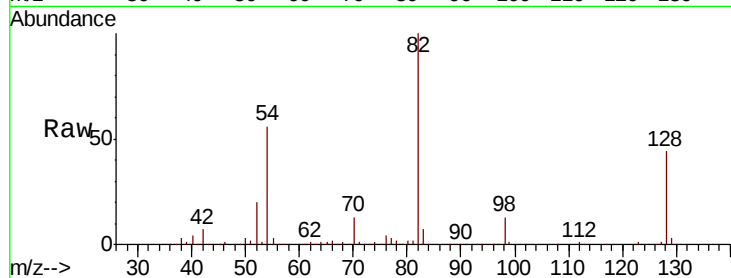




#23
 Nitrobenzene-d5
 Concen: 95.780 ng
 RT: 7.47 min Scan# 915
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

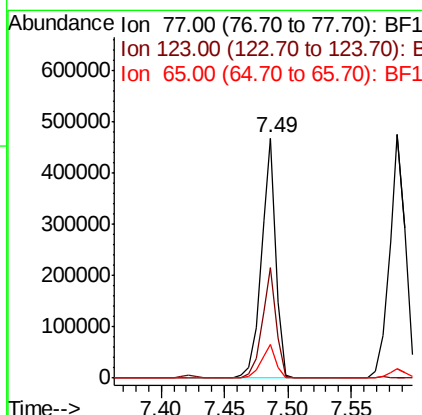
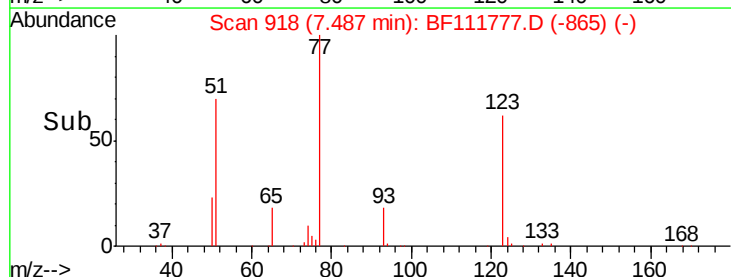
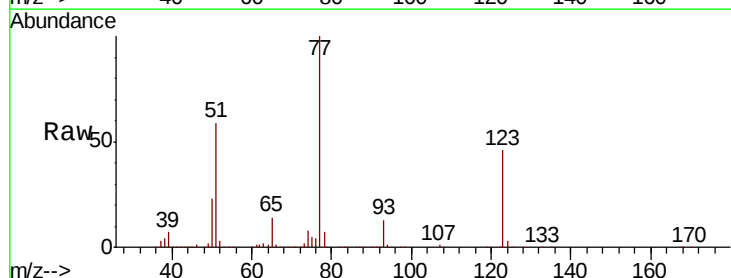
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

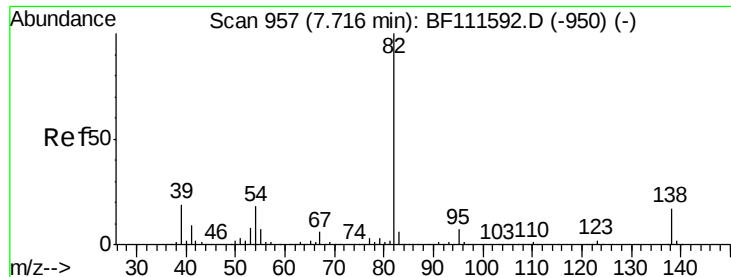
Tgt Ion	Resp	Lower	Upper
82	100		
128	43.8	37.4	56.2
54	56.5	47.6	71.4



#24
 Nitrobenzene
 Concen: 45.598 ng
 RT: 7.49 min Scan# 918
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Resp	Lower	Upper
77	100		
123	46.2	37.2	55.8
65	14.2	11.5	17.3

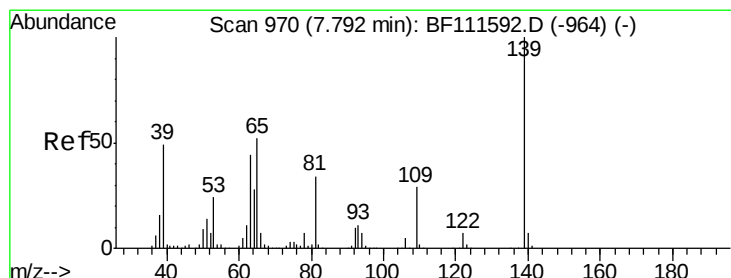
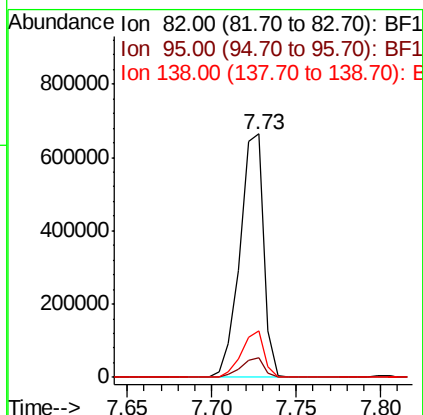
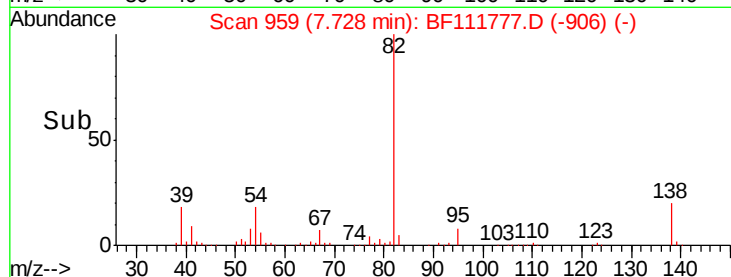
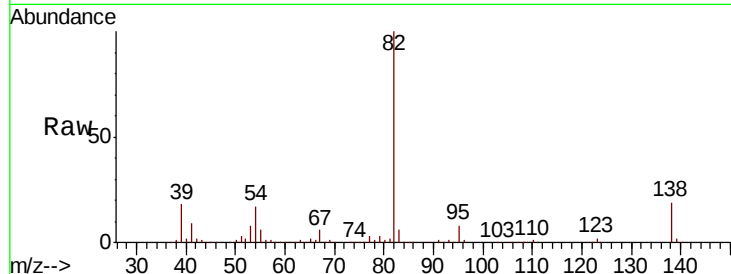




#25
Isophorone
Concen: 47.005 ng
RT: 7.73 min Scan# 959
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

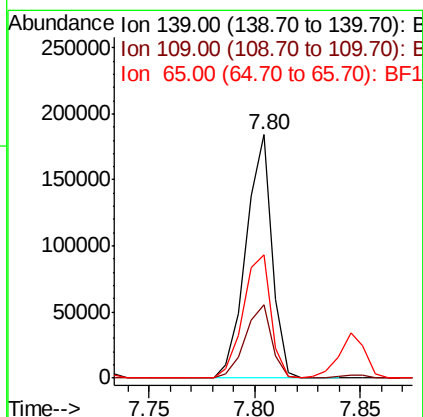
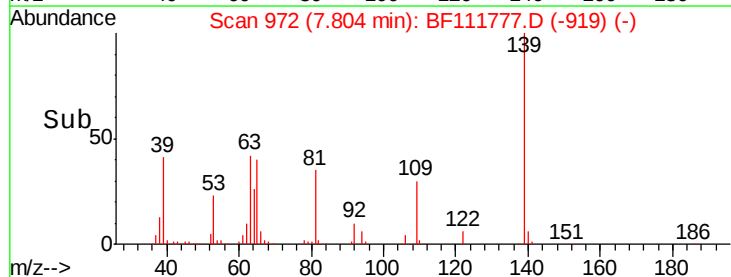
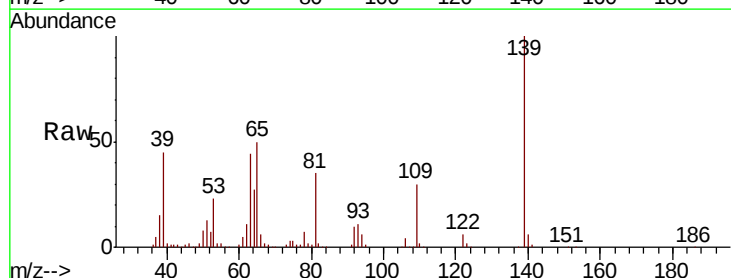
Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

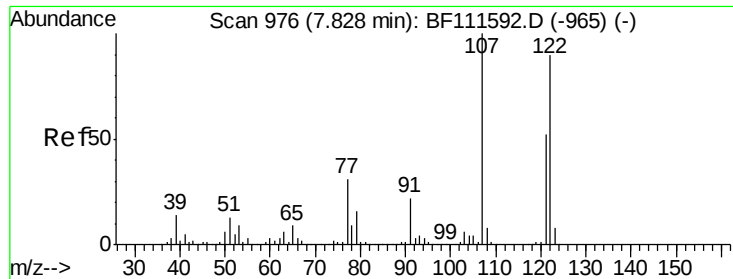
Tgt Ion: 82 Resp: 652066
Ion Ratio Lower Upper
82 100
95 7.9 5.4 8.2
138 19.3 15.1 22.7



#26
2-Nitrophenol
Concen: 47.365 ng
RT: 7.80 min Scan# 972
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion: 139 Resp: 157325
Ion Ratio Lower Upper
139 100
109 30.2 20.2 30.4
65 50.5 40.7 61.1

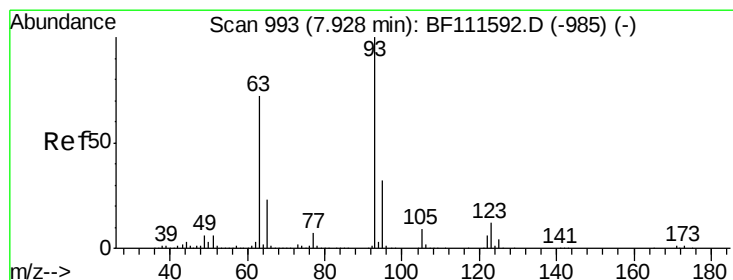
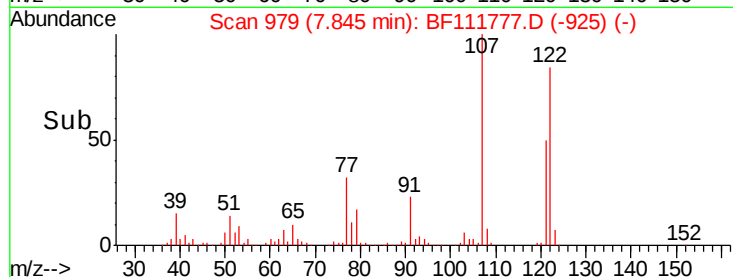
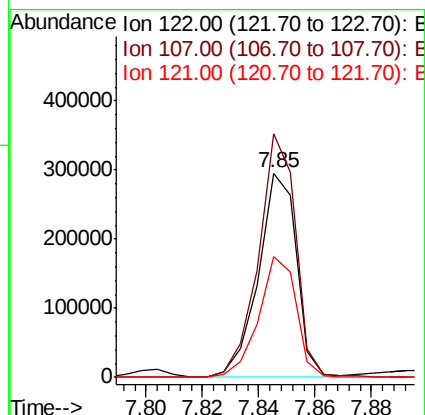
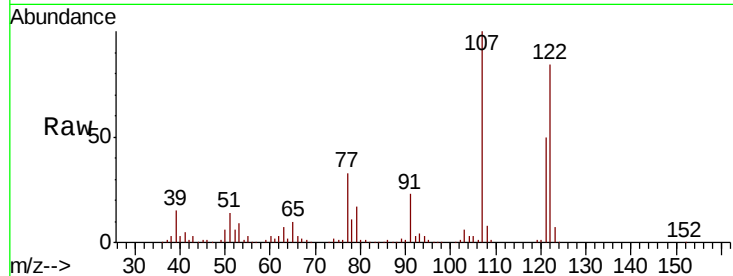




#27
2,4-Dimethylphenol
Concen: 42.373 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

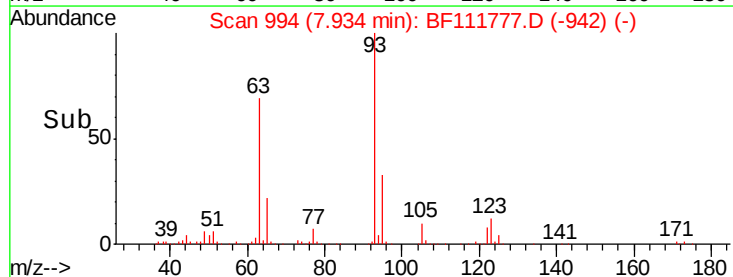
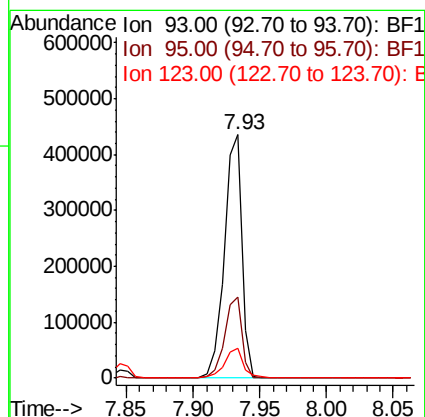
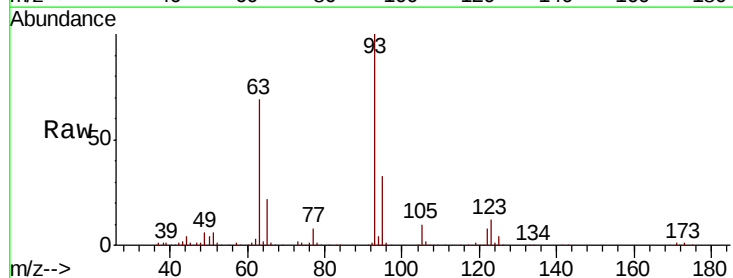
Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

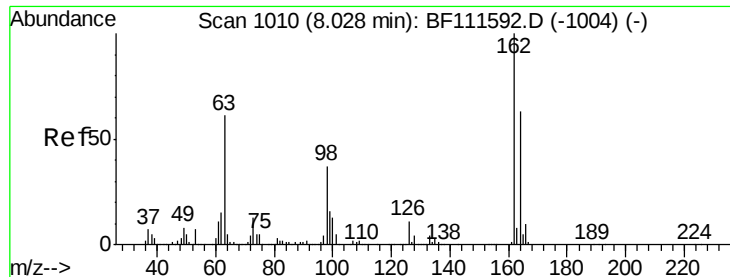
Tgt Ion:122 Resp: 277445
Ion Ratio Lower Upper
122 100
107 119.2 85.5 128.3
121 59.1 46.6 70.0



#28
bis(2-Chloroethoxy)methane
Concen: 44.071 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion: 93 Resp: 406834
Ion Ratio Lower Upper
93 100
95 33.2 27.1 40.7
123 12.0 9.9 14.9

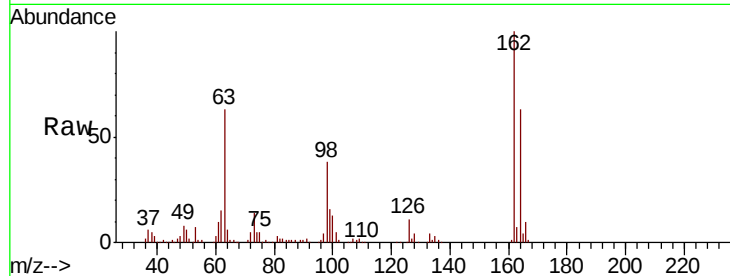




#29
2,4-Dichlorophenol
Concen: 39.790 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	63.4	44.4	84.4
98	37.6	20.3	60.3

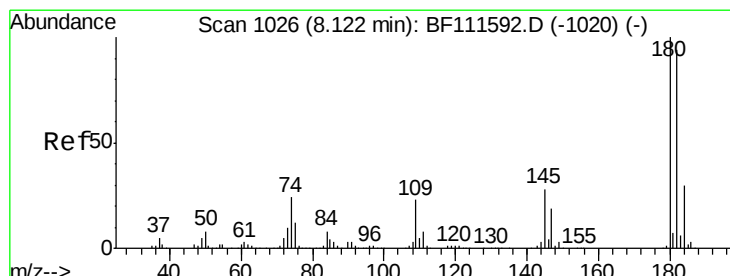
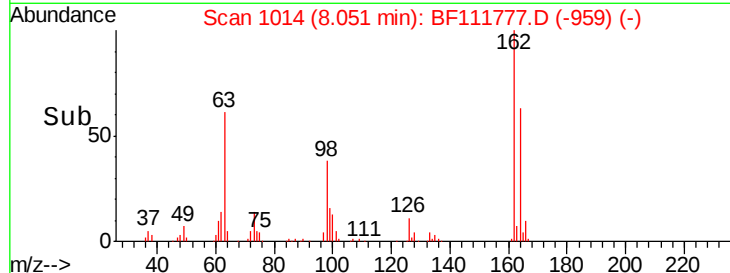
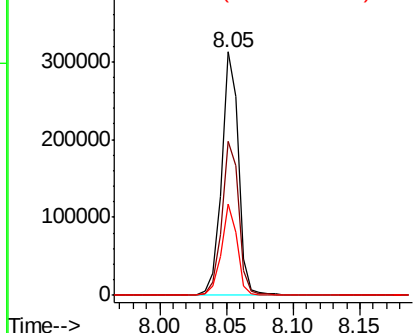


Abundance

Ion 162.00 (161.70 to 162.70): E

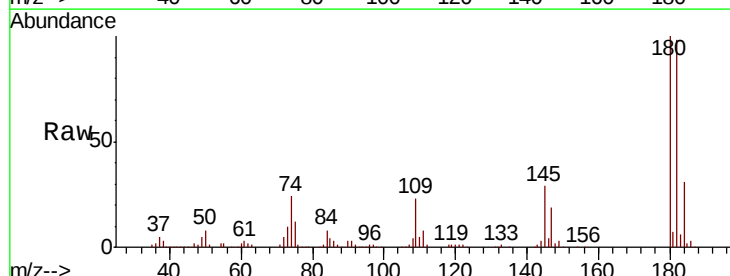
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 41.366 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.6	113.4
145	29.2	26.7	40.1

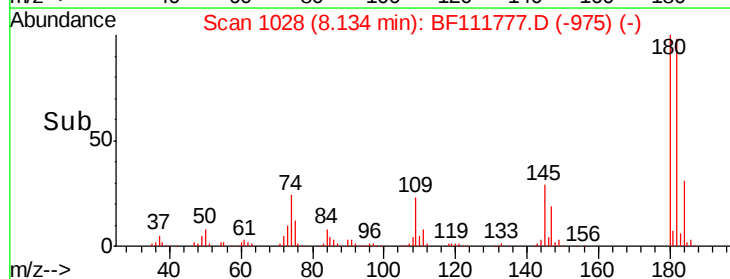
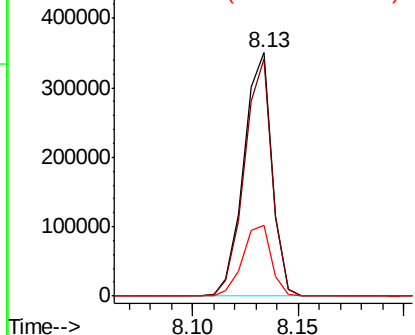


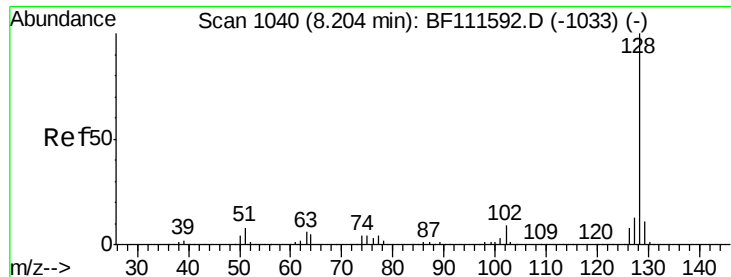
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

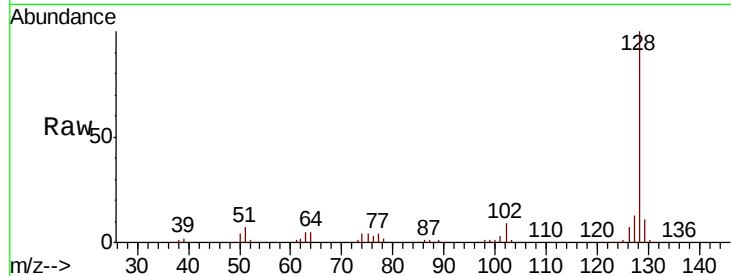




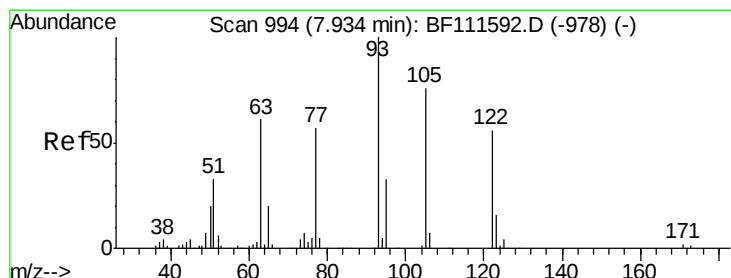
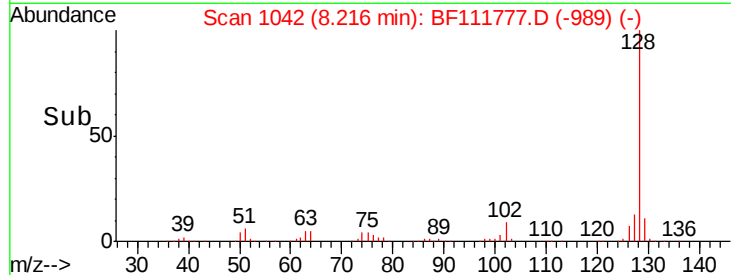
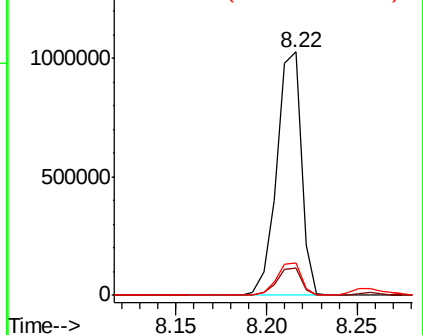
#31
Naphthalene
Concen: 44.439 ng
RT: 8.22 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:128 Resp: 971190
Ion Ratio Lower Upper
128 100
129 11.1 9.8 14.8
127 13.4 12.0 18.0

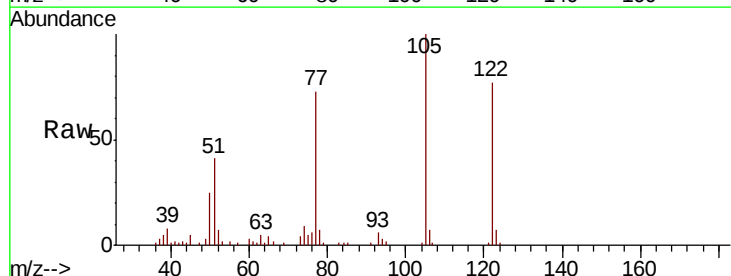


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

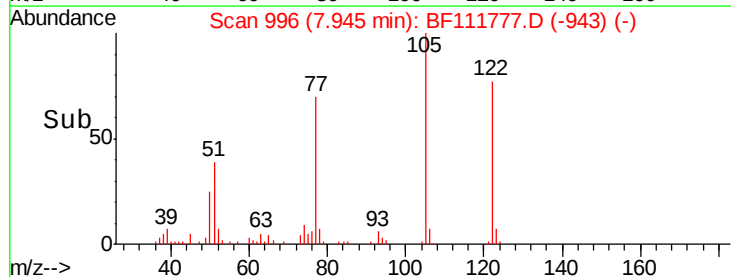
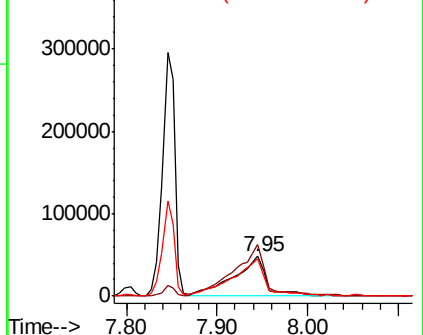


#32
Benzoic acid
Concen: 26.977 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:122 Resp: 116791
Ion Ratio Lower Upper
122 100
105 130.5 97.0 137.0
77 94.7 65.7 105.7



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

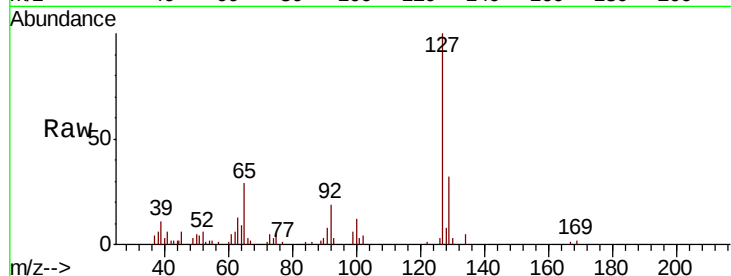




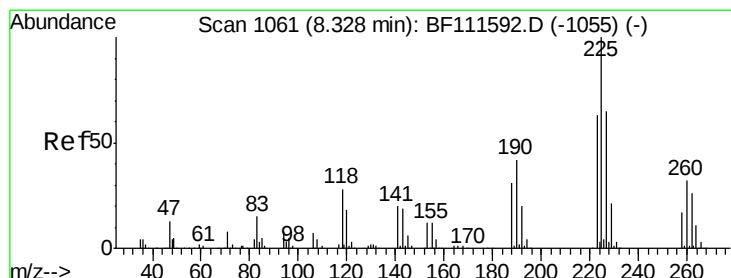
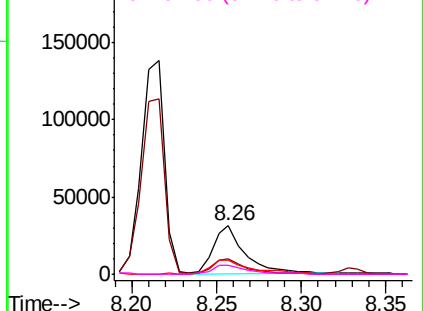
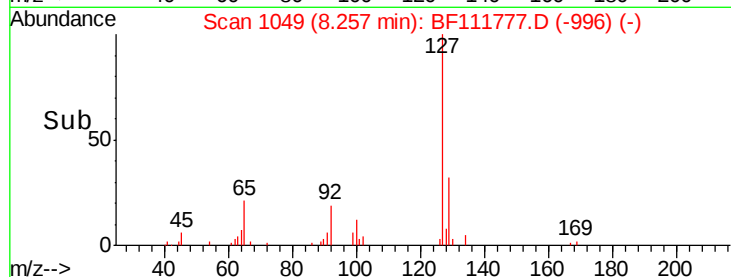
#33
4-Chloroaniline
Concen: 4.418 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:	127	Resp:	41728
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.6	39.8
65	28.6	25.7	38.5
92	18.8	15.4	23.2

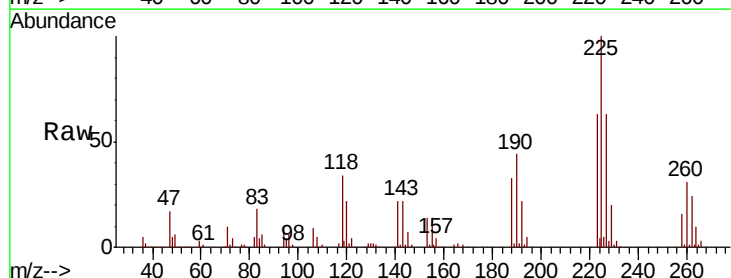


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

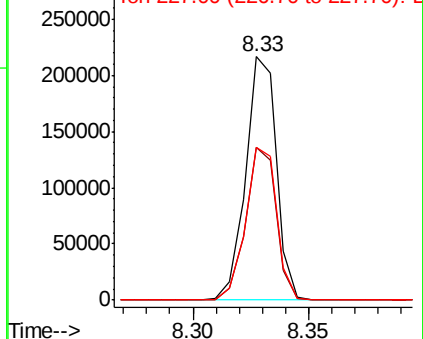
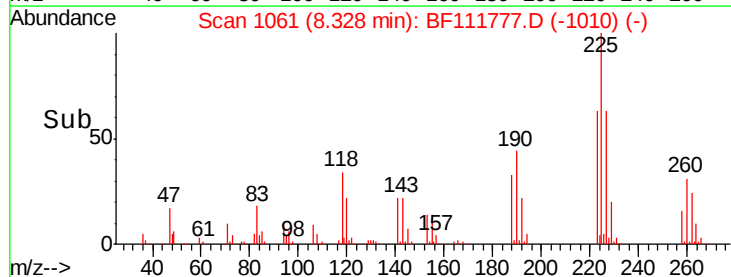


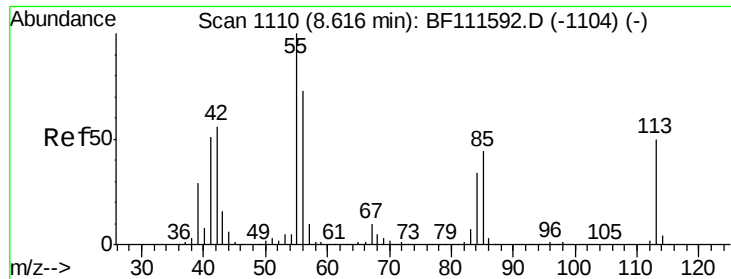
#34
Hexachlorobutadiene
Concen: 42.188 ng
RT: 8.33 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:	225	Resp:	201791
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.7	76.1
227	62.8	52.6	78.8



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

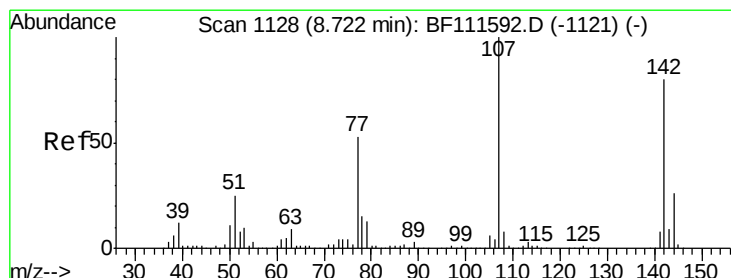
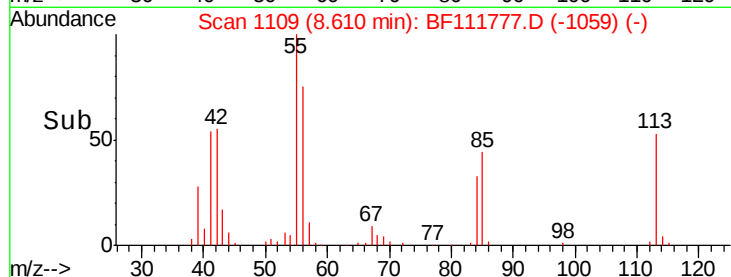
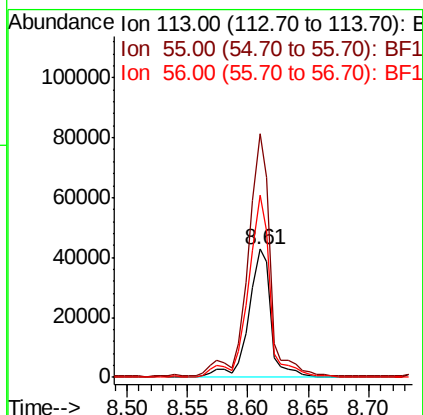
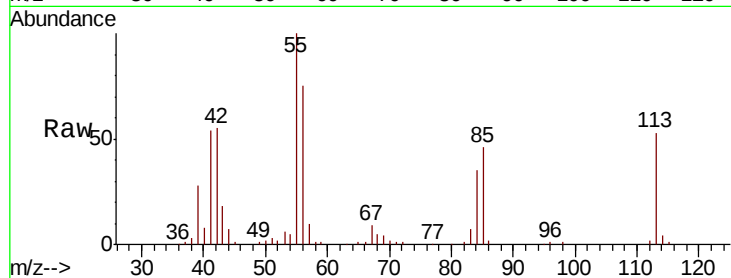




#35
 Caprolactam
 Concen: 23.186 ng
 RT: 8.61 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

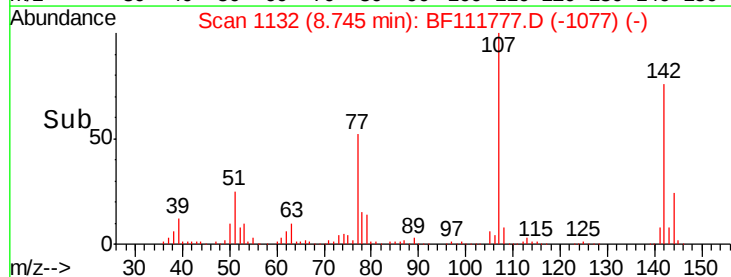
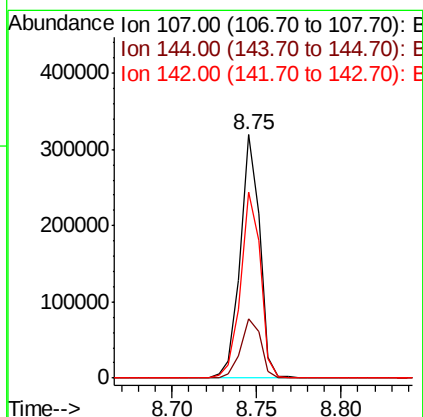
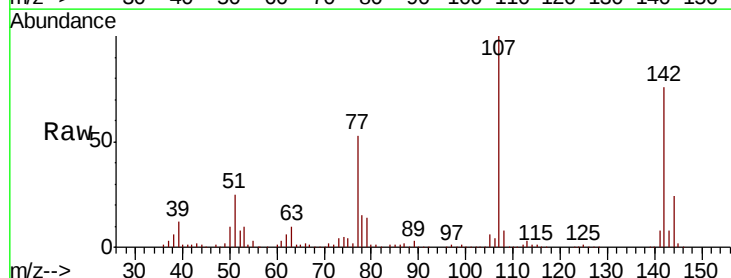
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

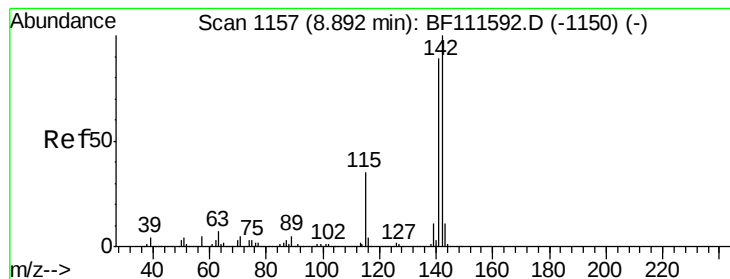
Tgt Ion:113 Resp: 55332
 Ion Ratio Lower Upper
 113 100
 55 190.1 184.1 224.1
 56 142.4 126.0 166.0



#36
 4-Chloro-3-methylphenol
 Concen: 37.045 ng
 RT: 8.75 min Scan# 1132
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion:107 Resp: 256461
 Ion Ratio Lower Upper
 107 100
 144 24.5 19.8 29.6
 142 76.2 62.3 93.5





#37

2-Methylnaphthalene

Concen: 44.937 ng

RT: 8.90 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

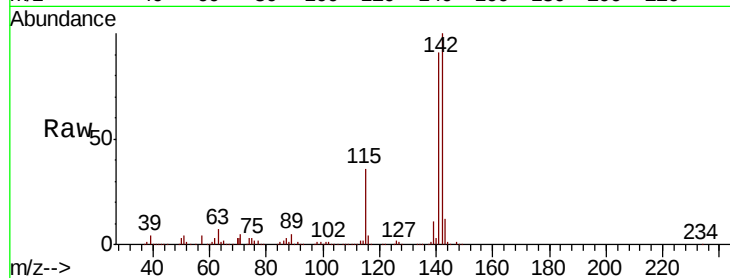
Tgt Ion:142 Resp: 638943

Ion Ratio Lower Upper

142 100

141 91.0 70.6 105.8

115 35.9 27.0 40.6

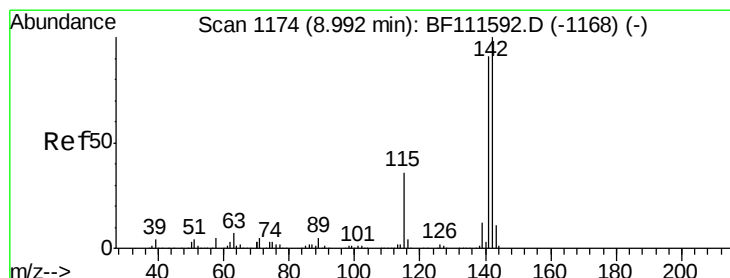
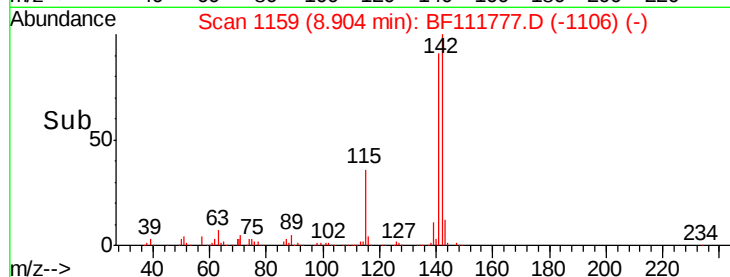
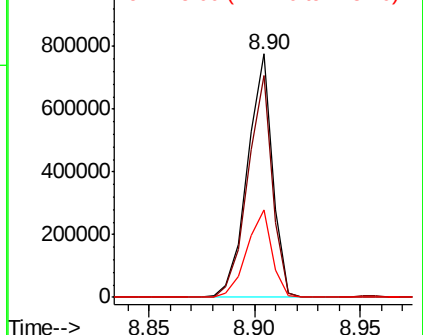


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 43.942 ng

RT: 9.00 min Scan# 1176

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

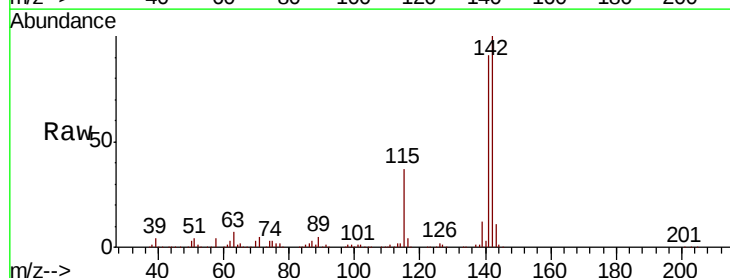
Tgt Ion:142 Resp: 600062

Ion Ratio Lower Upper

142 100

141 91.2 74.2 111.4

116 3.8 2.9 4.3

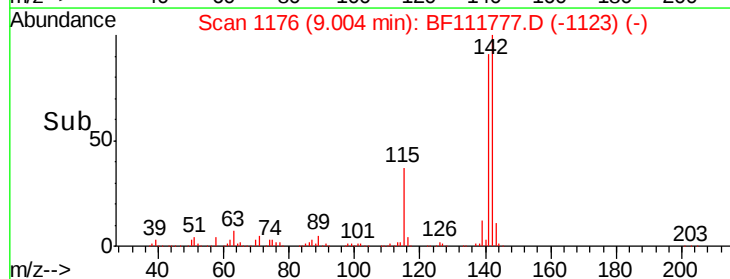
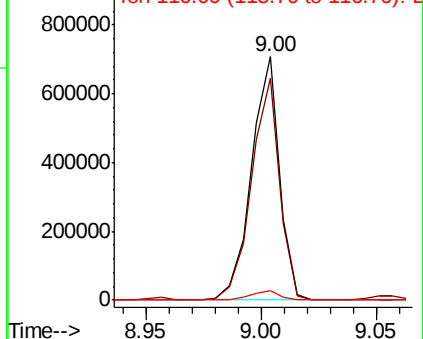


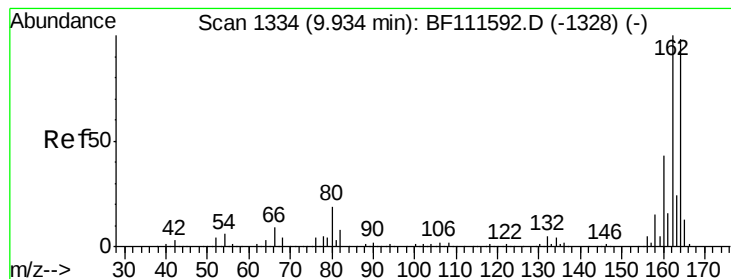
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

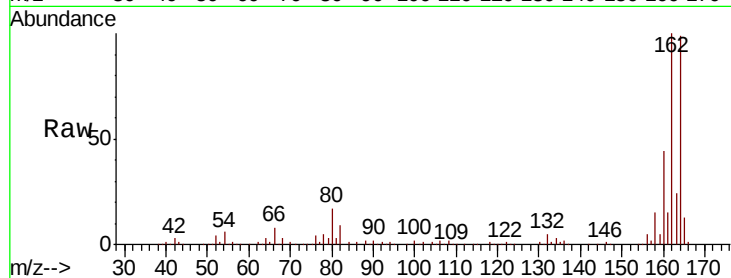
Tgt Ion:164 Resp: 204301

Ion Ratio Lower Upper

164 100

162 100.9 81.4 122.0

160 44.4 35.7 53.5

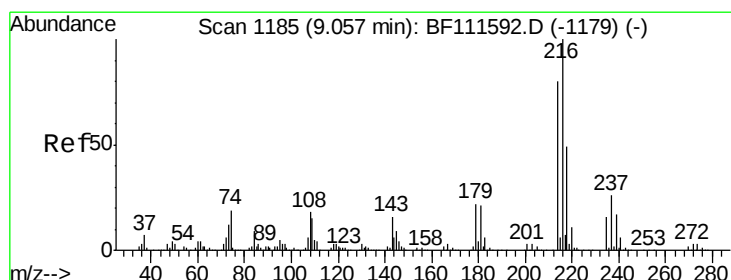
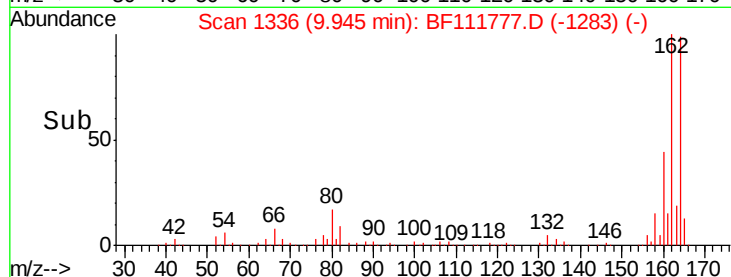
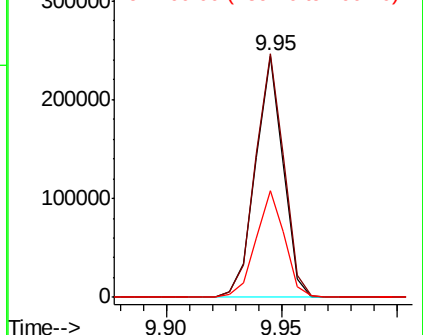


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.581 ng

RT: 9.07 min Scan# 1187

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:216 Resp: 305999

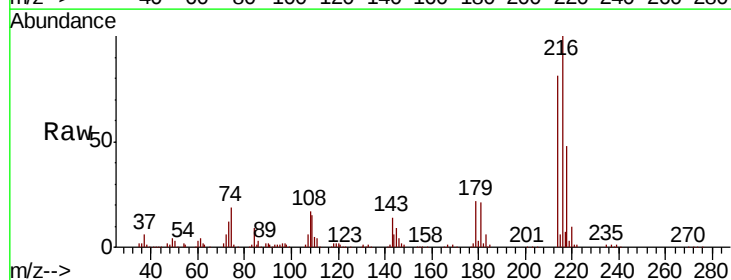
Ion Ratio Lower Upper

216 100

214 80.0 63.8 95.8

179 21.5 17.9 26.9

108 17.9 18.4 27.6#



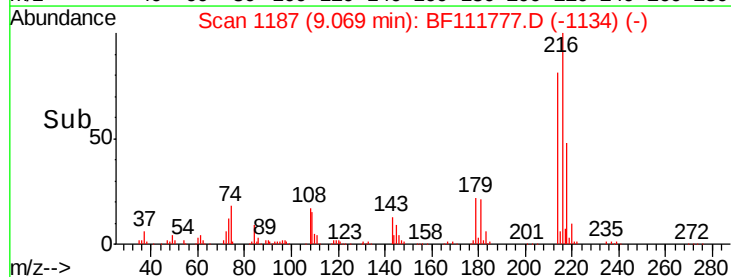
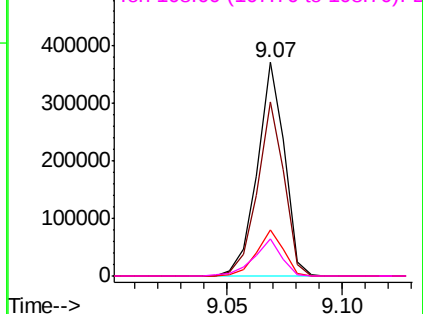
Abundance

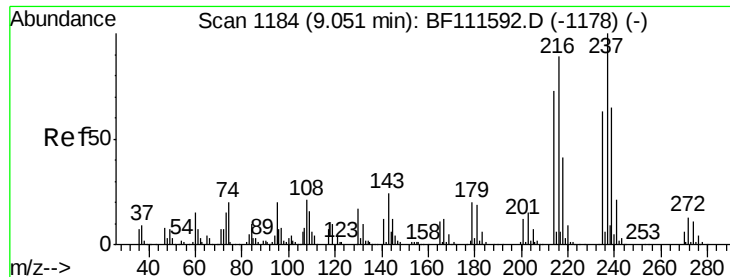
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 32.359 ng

RT: 9.06 min Scan# 1185

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

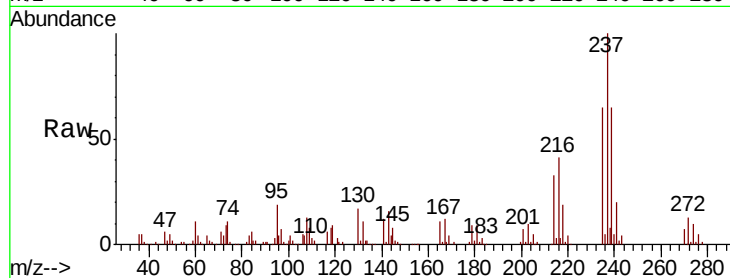
Tgt Ion: 237 Resp: 105417

Ion Ratio Lower Upper

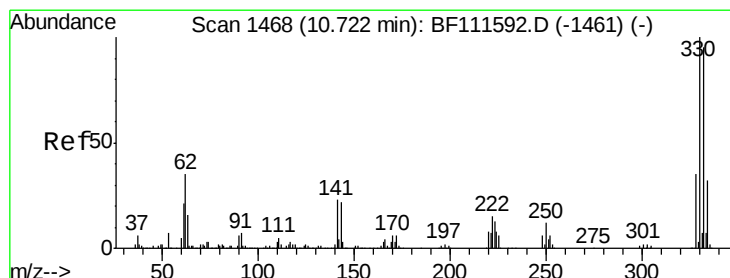
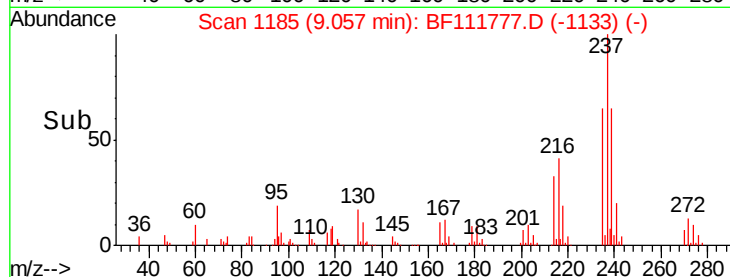
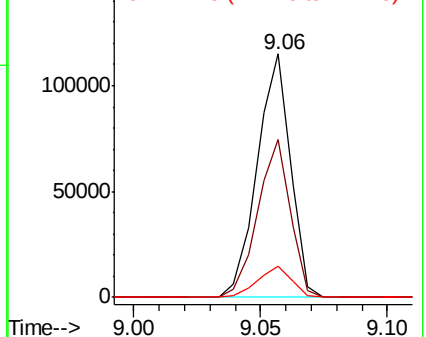
237 100

235 64.6 43.1 83.1

272 12.6 0.0 33.0



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 125.519 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

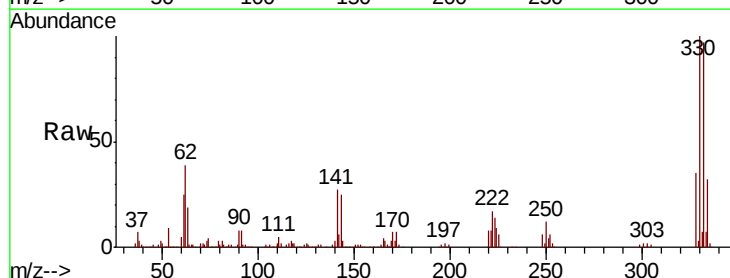
Tgt Ion: 330 Resp: 302999

Ion Ratio Lower Upper

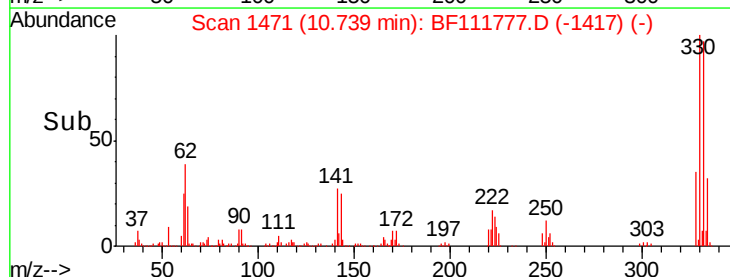
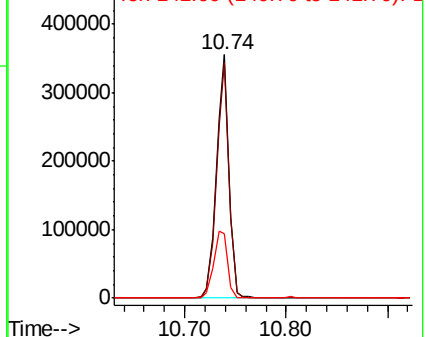
330 100

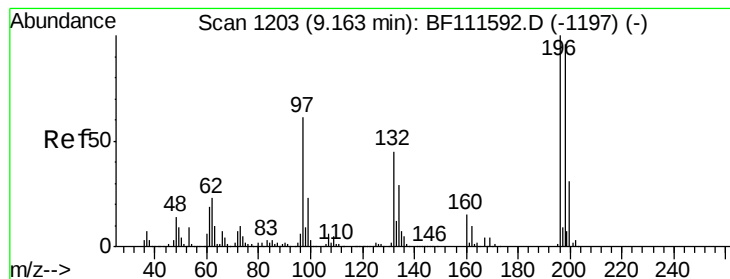
332 96.1 76.0 114.0

141 30.6 31.0 46.6#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





#43

2,4,6-Trichlorophenol

Concen: 42.275 ng

RT: 9.19 min Scan# 1207

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

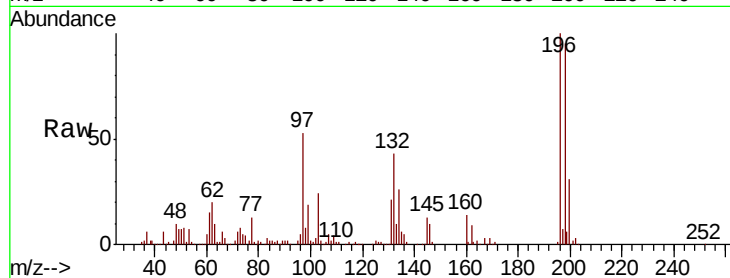
Tgt Ion:196 Resp: 189484

Ion Ratio Lower Upper

196 100

198 95.0 76.3 114.5

200 30.6 24.9 37.3

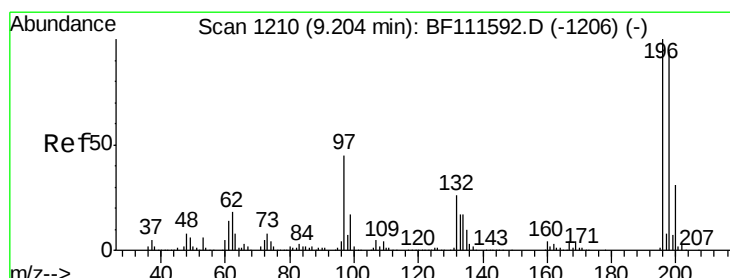
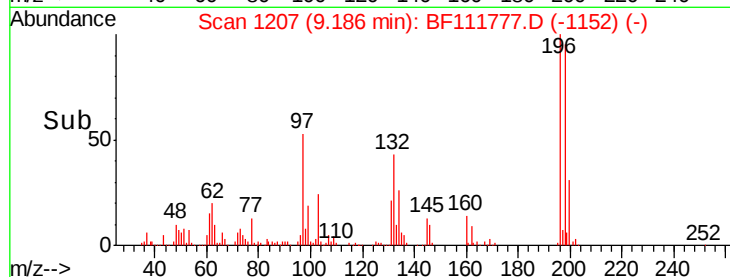
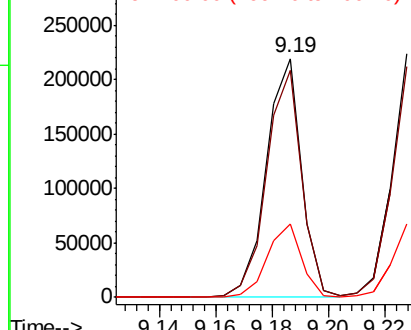


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44

2,4,5-Trichlorophenol

Concen: 42.081 ng

RT: 9.23 min Scan# 1214

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Tgt Ion:196 Resp: 193496

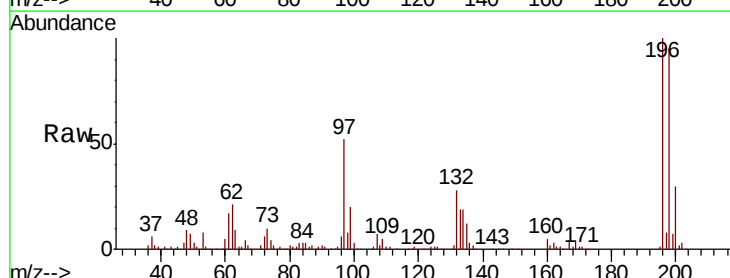
Ion Ratio Lower Upper

196 100

198 95.0 72.9 109.3

97 52.3 45.3 67.9

132 27.7 25.5 38.3



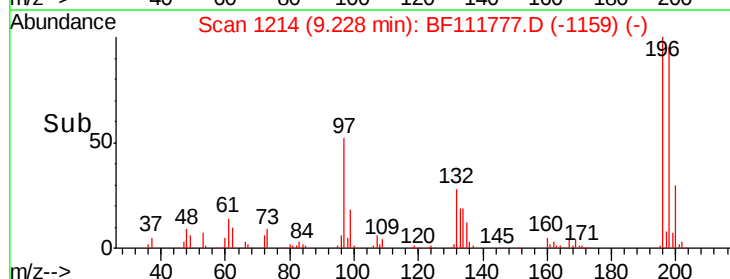
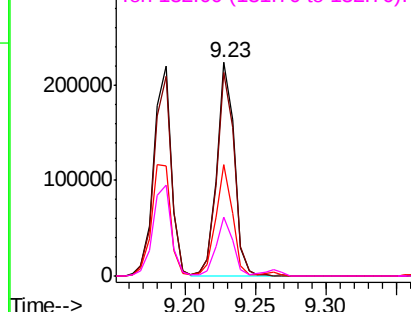
Abundance

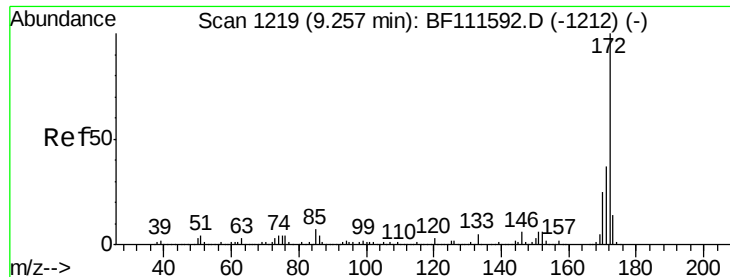
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E

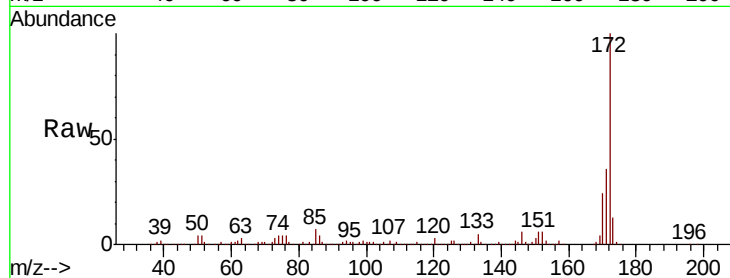




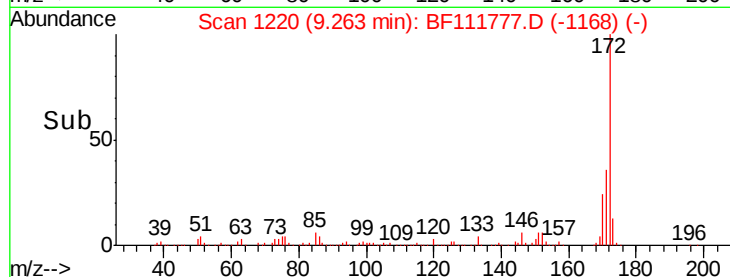
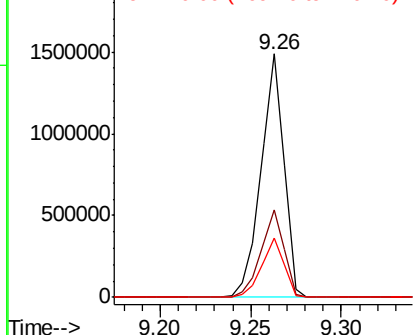
#45
 2-Fluorobiphenyl
 Concen: 93.878 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tgt Ion:172 Resp: 1315834
 Ion Ratio Lower Upper
 172 100
 171 36.0 33.0 49.4
 170 24.1 22.3 33.5

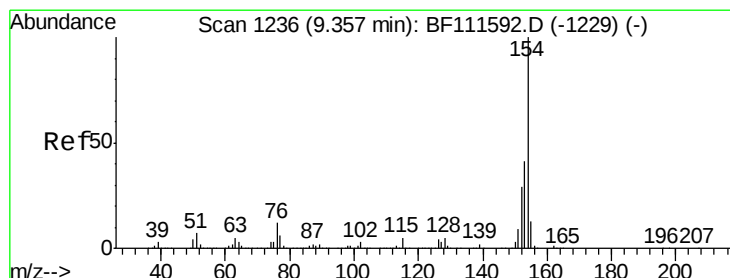


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

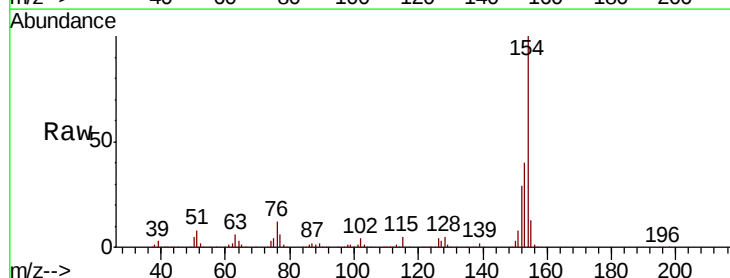
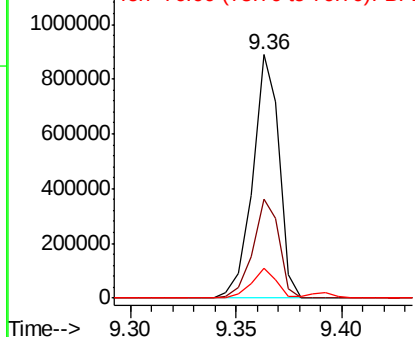


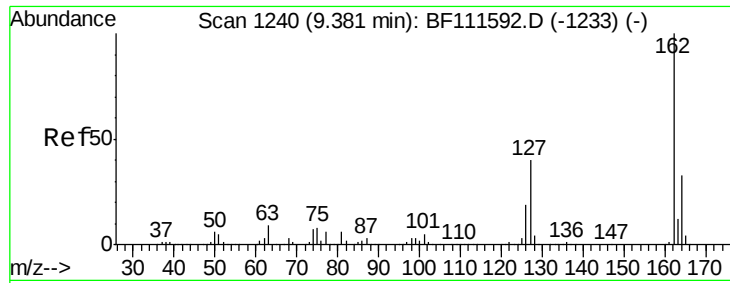
#46
 1,1'-Biphenyl
 Concen: 44.612 ng
 RT: 9.36 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion:154 Resp: 769390
 Ion Ratio Lower Upper
 154 100
 153 40.4 23.7 63.7
 76 12.1 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
 1200000 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

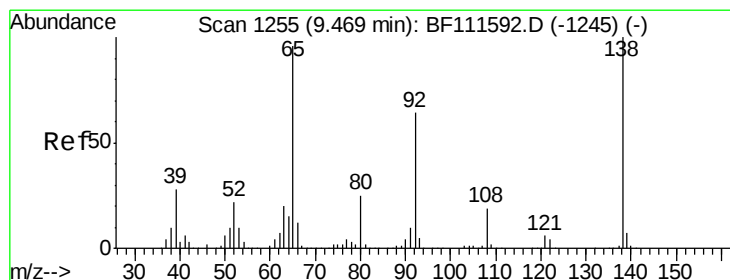
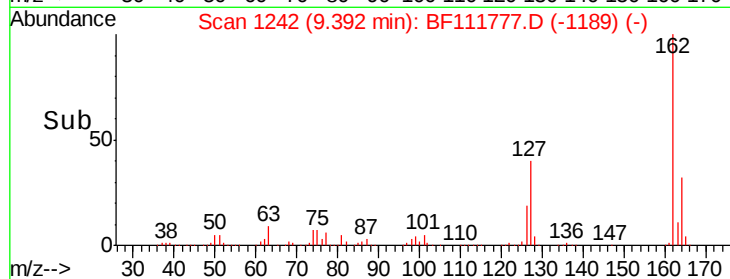
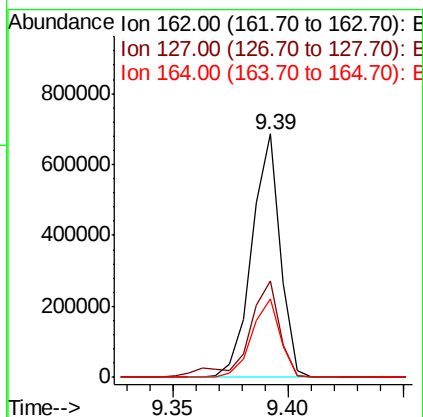
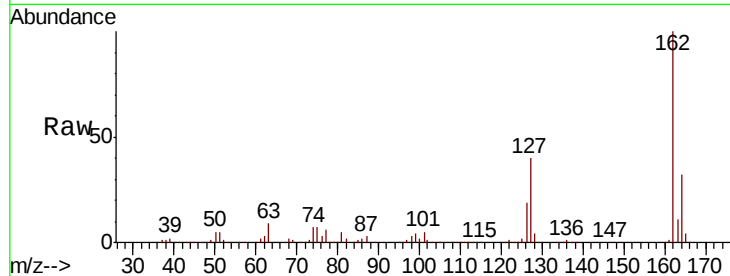




#47
 2-Chloronaphthalene
 Concen: 43.058 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

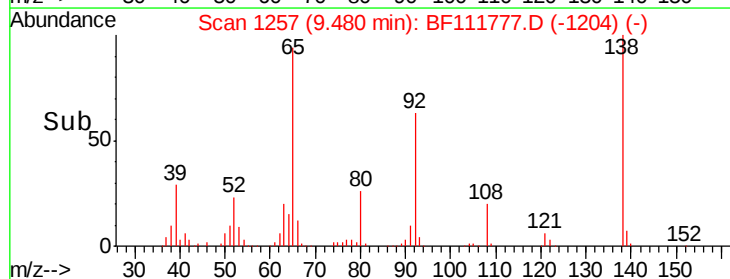
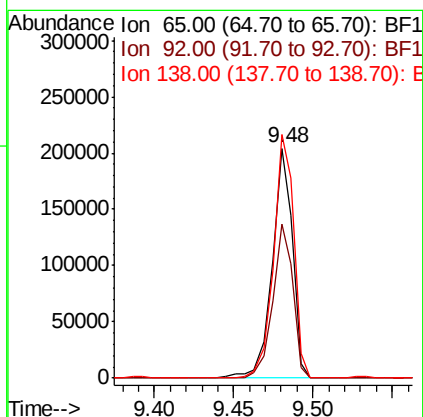
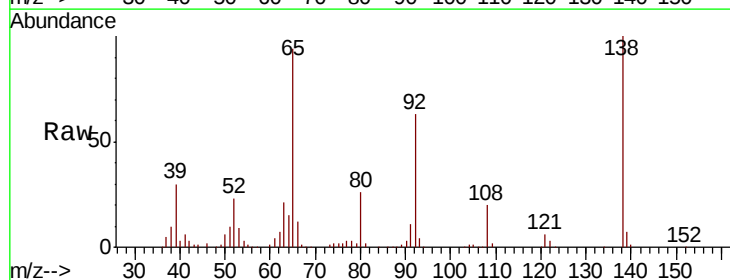
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

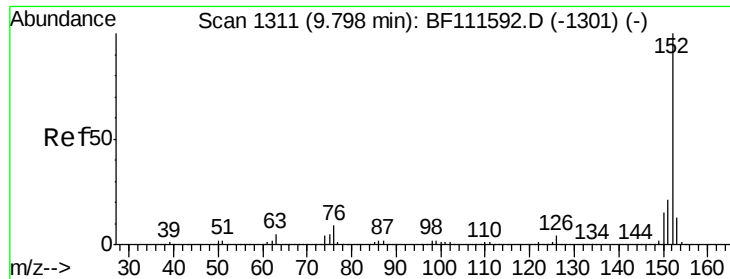
Tgt Ion: 162 Resp: 588340
 Ion Ratio Lower Upper
 162 100
 127 39.8 35.0 52.4
 164 32.5 28.4 42.6



#48
 2-Nitroaniline
 Concen: 51.479 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion: 65 Resp: 182991
 Ion Ratio Lower Upper
 65 100
 92 67.1 53.5 80.3
 138 105.9 80.9 121.3





#49

Acenaphthylene

Concen: 45.797 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

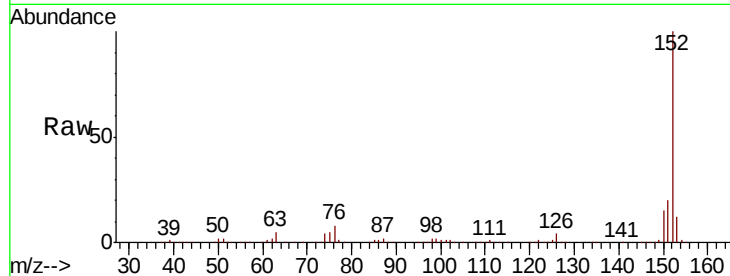
Tgt Ion:152 Resp: 913656

Ion Ratio Lower Upper

152 100

151 20.0 18.0 27.0

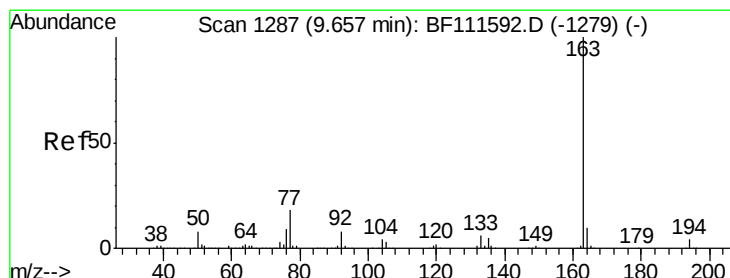
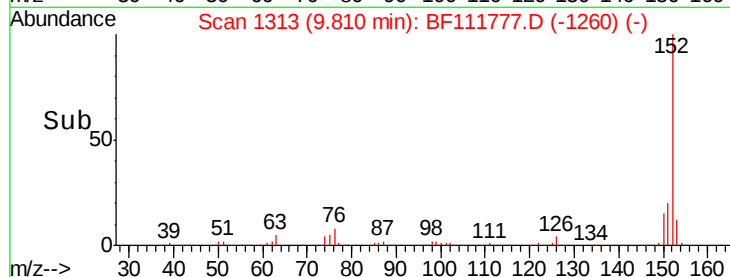
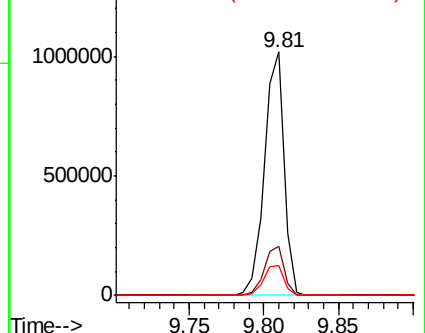
153 12.4 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 46.998 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

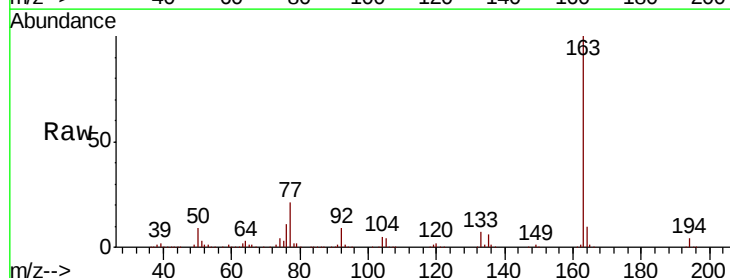
Tgt Ion:163 Resp: 702141

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

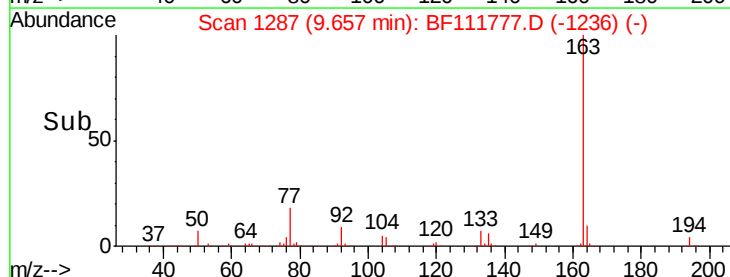
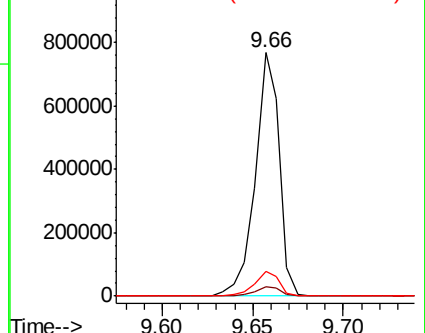
164 10.1 8.9 13.3

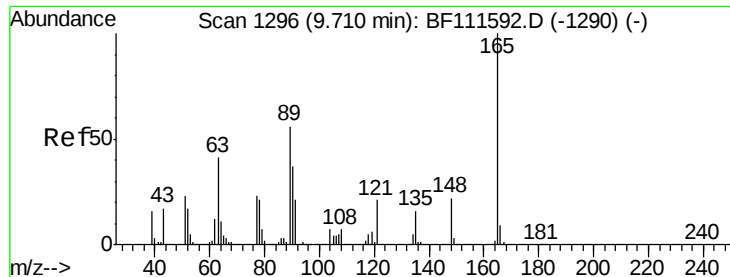


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

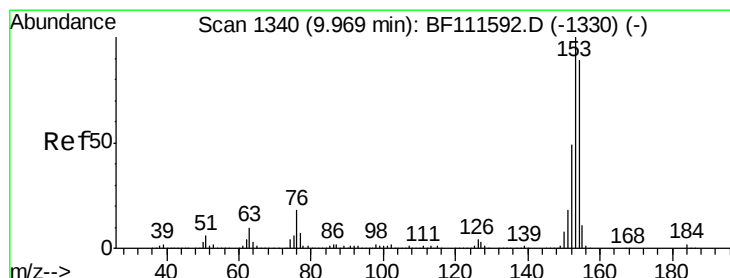
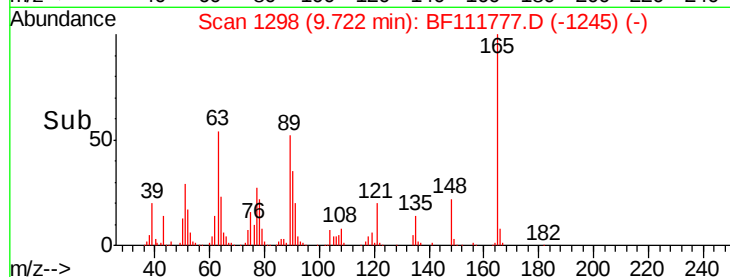
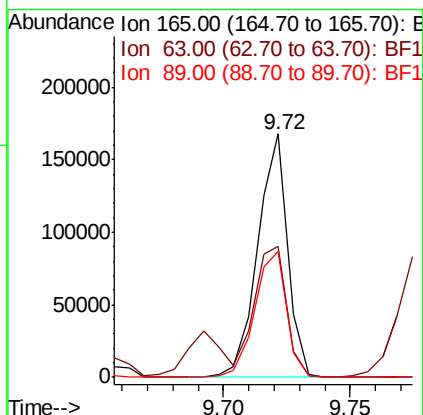
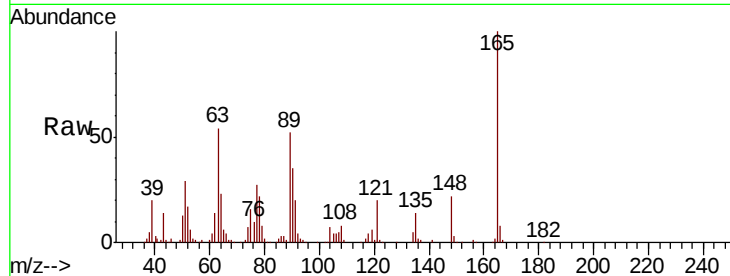




#51
 2,6-Dinitrotoluene
 Concen: 46.411 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

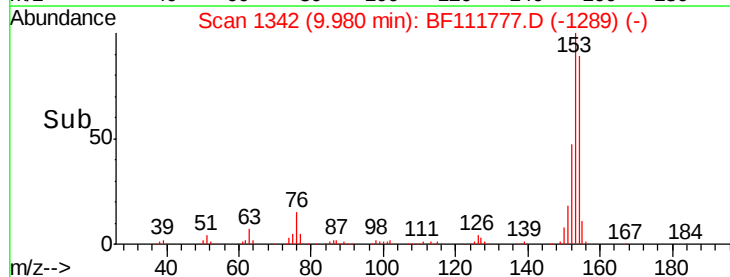
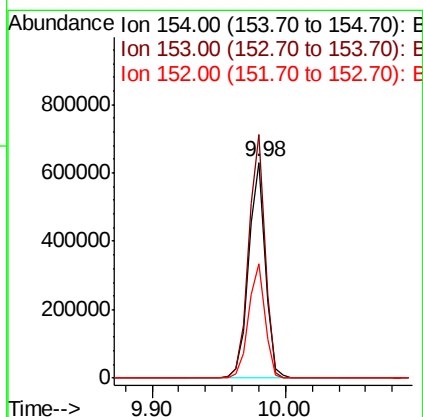
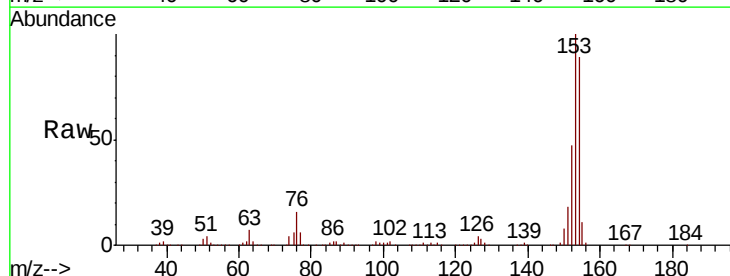
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

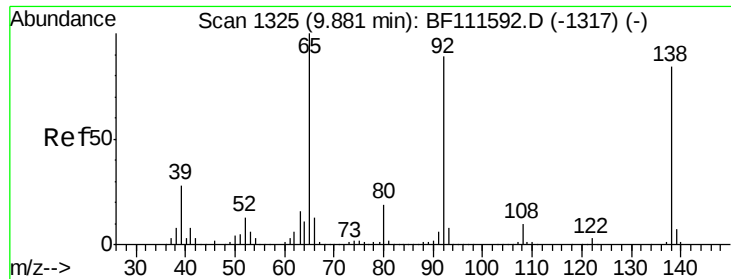
Tgt Ion:165 Resp: 138259
 Ion Ratio Lower Upper
 165 100
 63 53.6 40.5 60.7
 89 51.7 40.0 60.0



#52
 Acenaphthene
 Concen: 43.571 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion:154 Resp: 536124
 Ion Ratio Lower Upper
 154 100
 153 112.8 87.8 131.8
 152 53.2 43.4 65.2

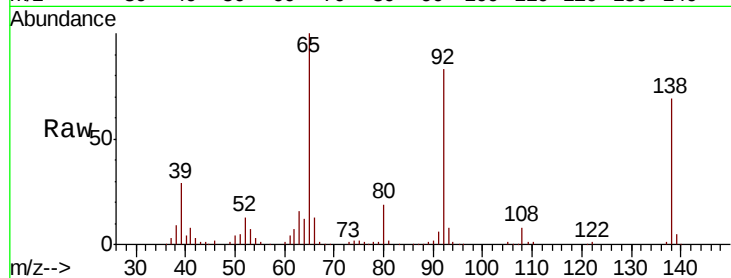




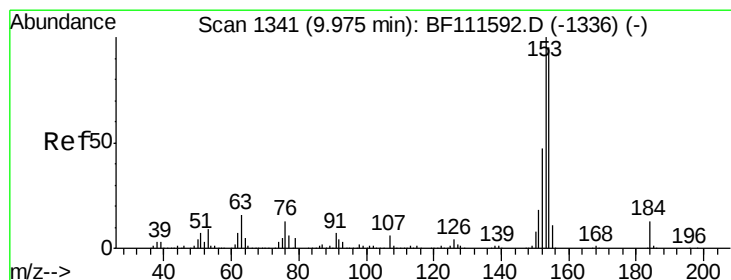
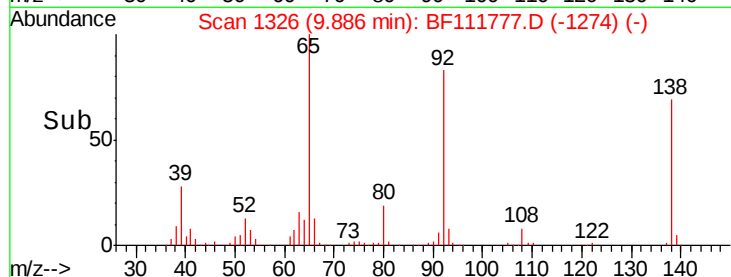
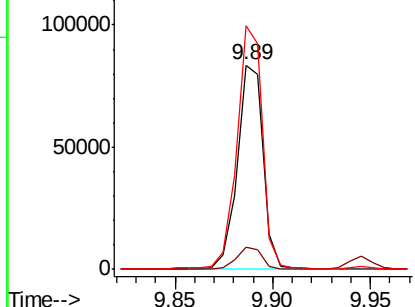
#53
3-Nitroaniline
Concen: 24.059 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:138 Resp: 76439
Ion Ratio Lower Upper
138 100
108 11.0 8.2 12.4
92 119.2 93.4 140.2

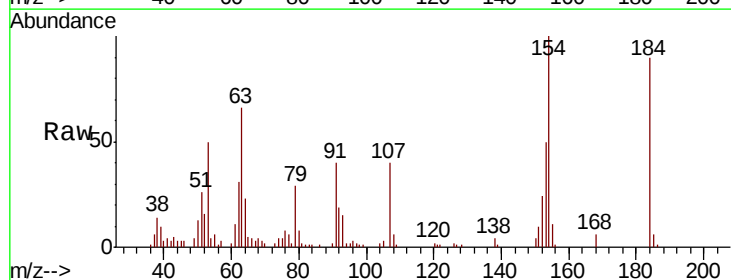


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

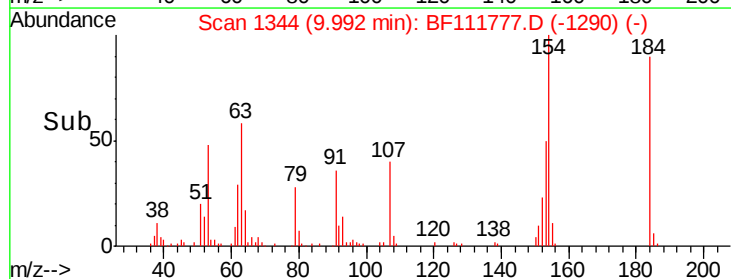
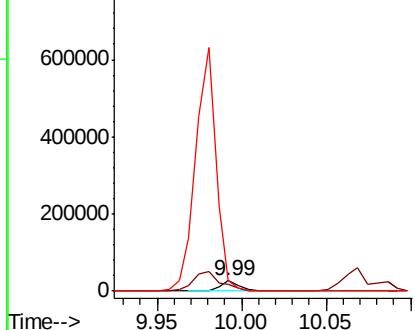


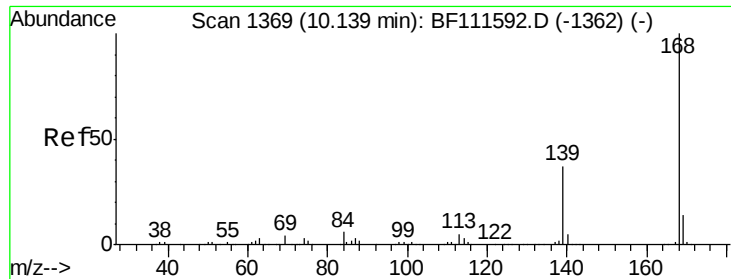
#54
2,4-Dinitrophenol
Concen: 27.659 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:184 Resp: 21413
Ion Ratio Lower Upper
184 100
63 73.0 62.3 93.5
154 111.2 56.2 84.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

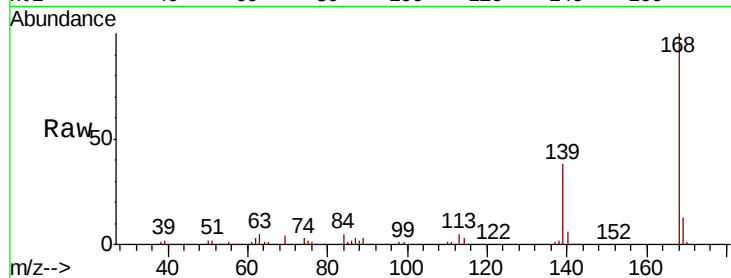




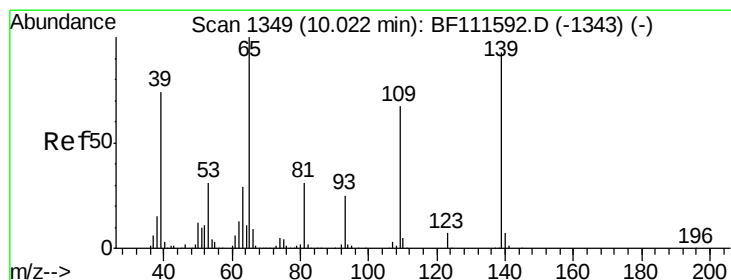
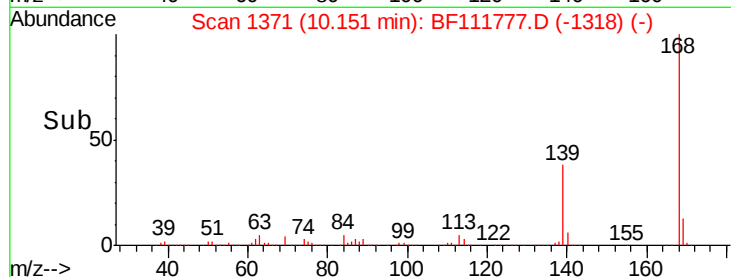
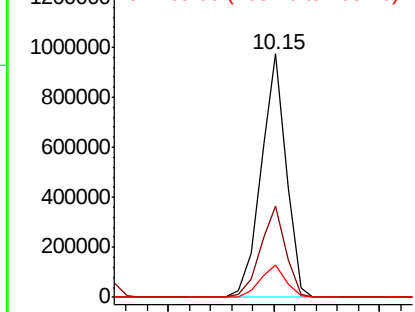
#55
Dibenzenofuran
Concen: 43.160 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:168 Resp: 802315
Ion Ratio Lower Upper
168 100
139 37.7 32.6 49.0
169 13.1 11.8 17.6

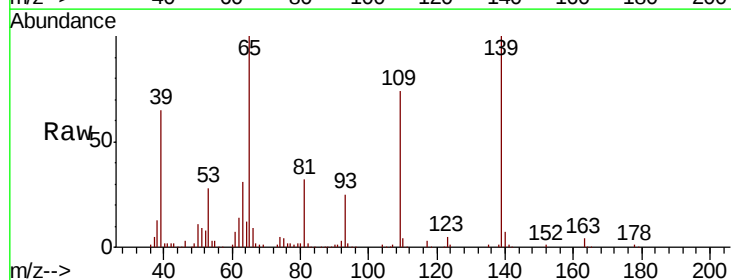


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

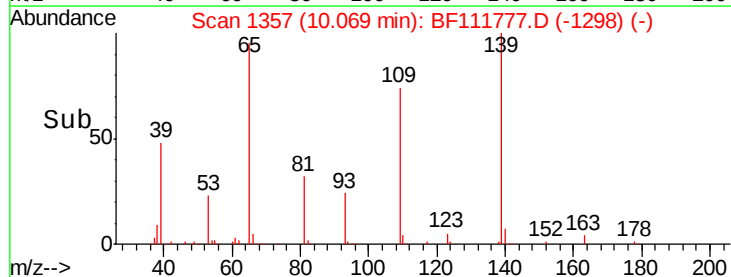
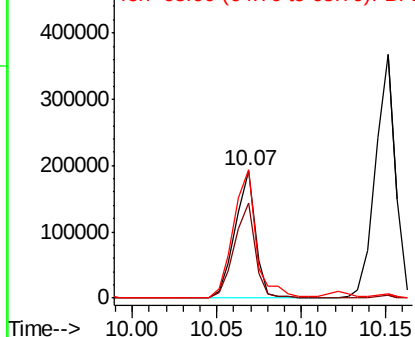


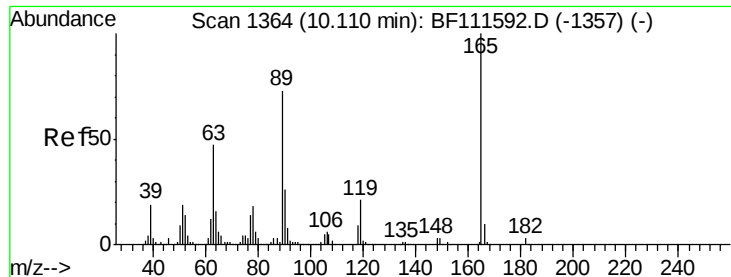
#56
4-Nitrophenol
Concen: 67.023 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.05 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:139 Resp: 162505
Ion Ratio Lower Upper
139 100
109 74.8 41.8 81.8
65 100.5 79.6 119.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

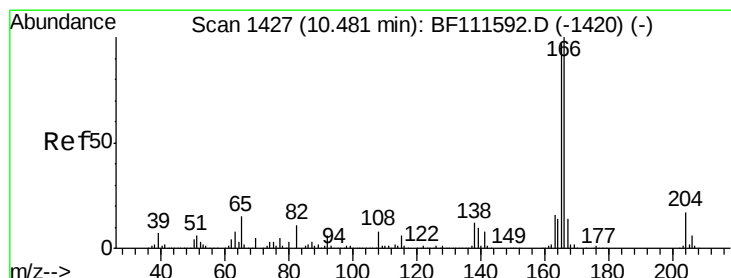
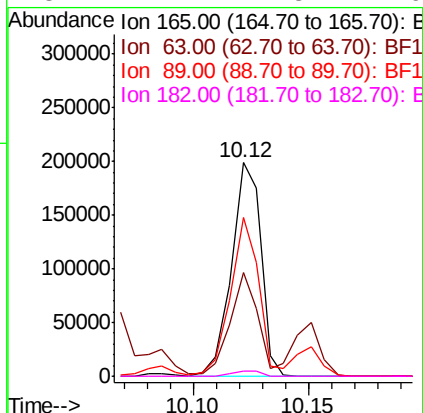
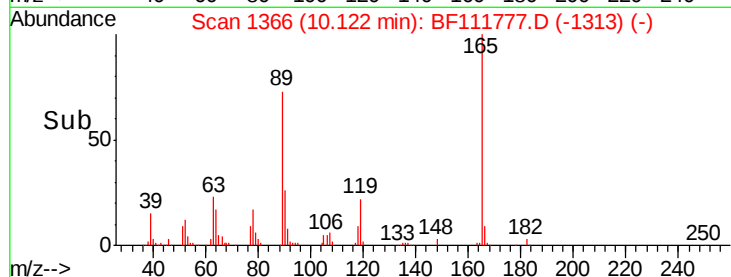
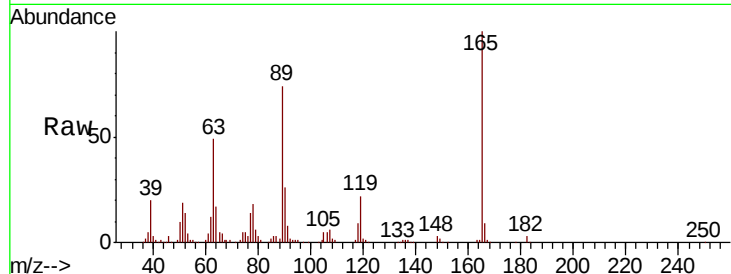




#57
2,4-Dinitrotoluene
Concen: 49.381 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

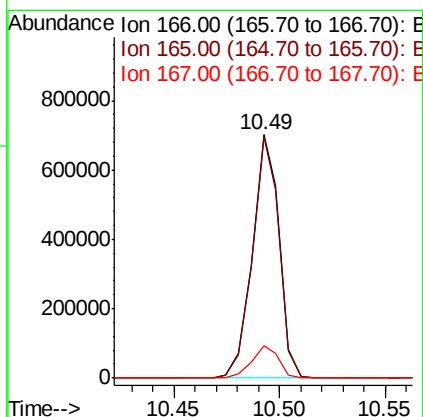
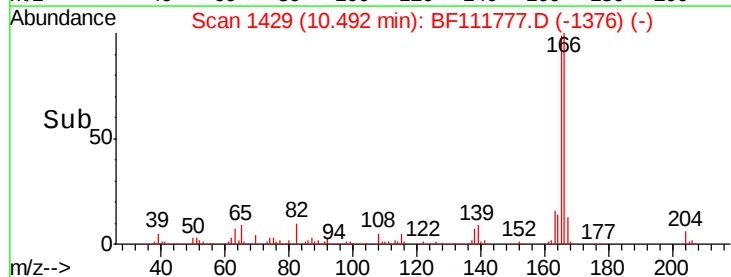
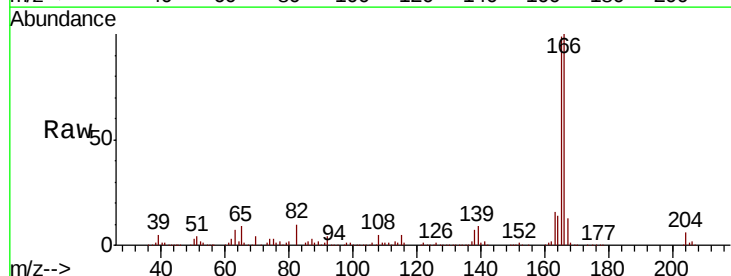
Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

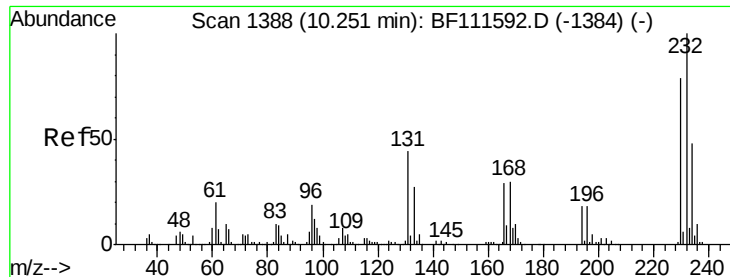
Tgt Ion:165 Resp: 176801
Ion Ratio Lower Upper
165 100
63 48.7 34.6 52.0
89 74.2 56.2 84.4
182 2.7 1.8 2.6#



#58
Fluorene
Concen: 45.921 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:166 Resp: 615127
Ion Ratio Lower Upper
166 100
165 99.3 78.4 117.6
167 13.3 11.2 16.8

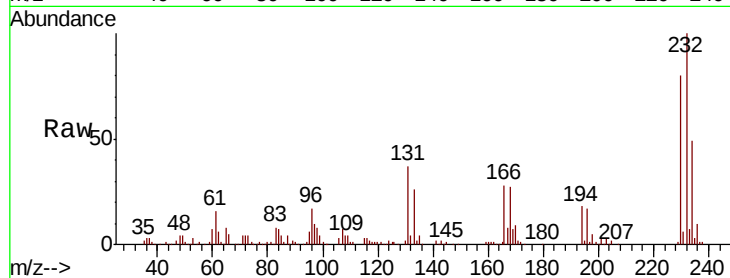




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.891 ng
RT: 10.27 min Scan# 1392
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion	Ratio	Lower	Upper
232	100		
131	41.7	40.9	61.3
130	2.1	2.0	3.0
166	29.5	26.8	40.2



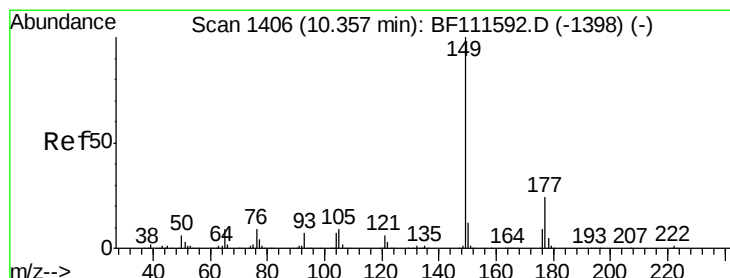
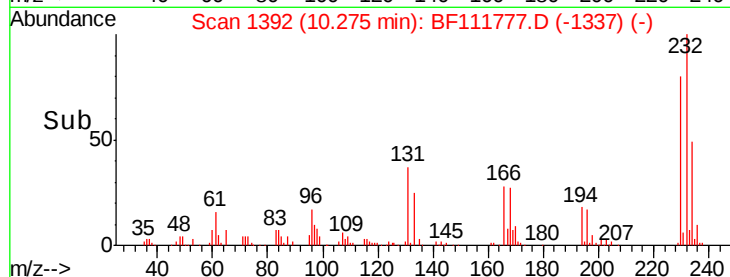
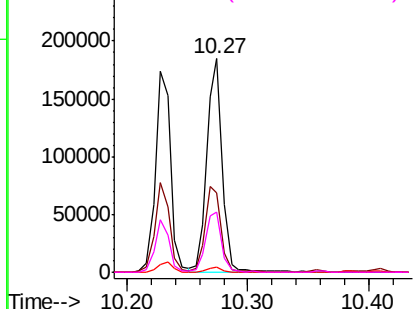
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

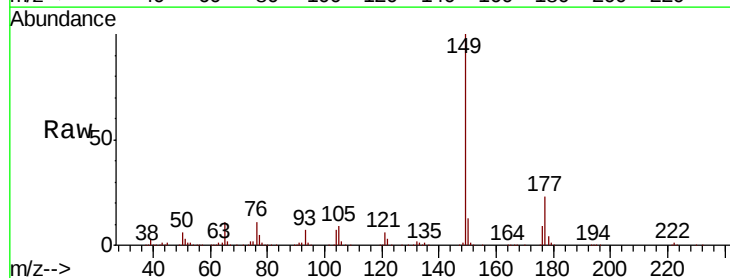
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 45.611 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.3	27.5
150	12.9	10.6	15.8

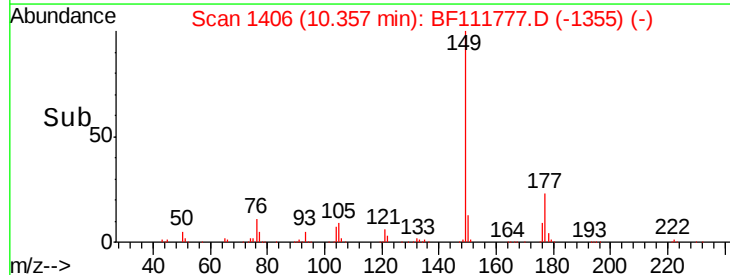
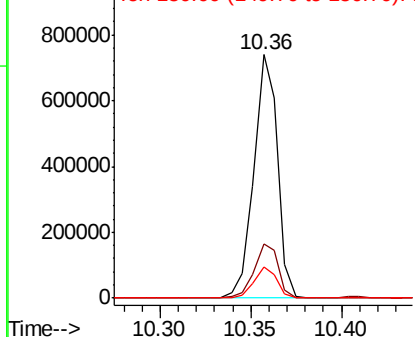


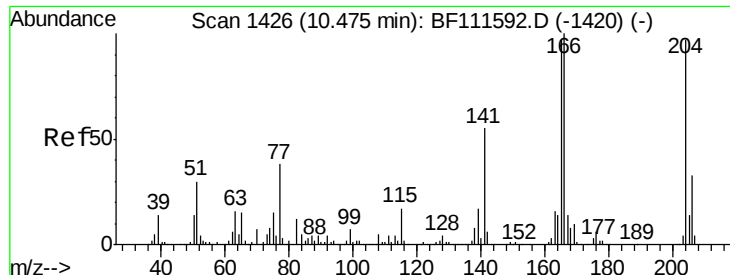
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

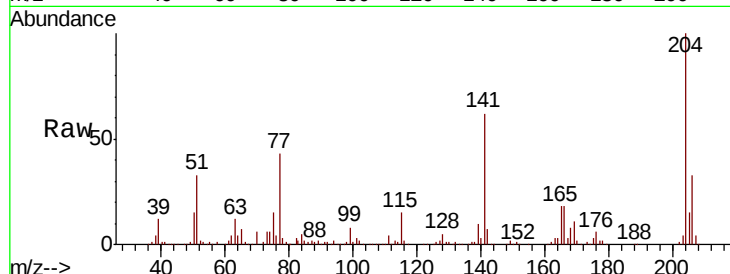




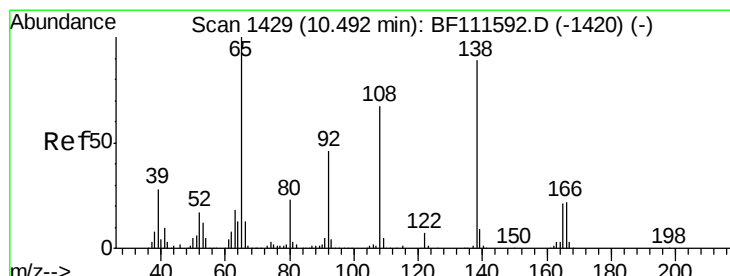
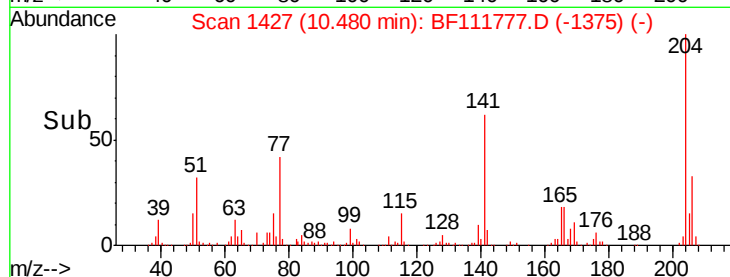
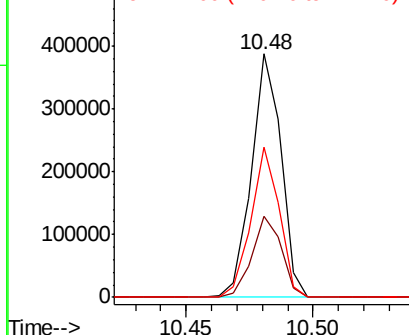
#61
4-Chlorophenyl-phenylether
Concen: 42.713 ng
RT: 10.48 min Scan# 1427
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion: 204 Resp: 316111
Ion Ratio Lower Upper
204 100
206 33.0 26.6 39.8
141 61.9 52.6 78.8

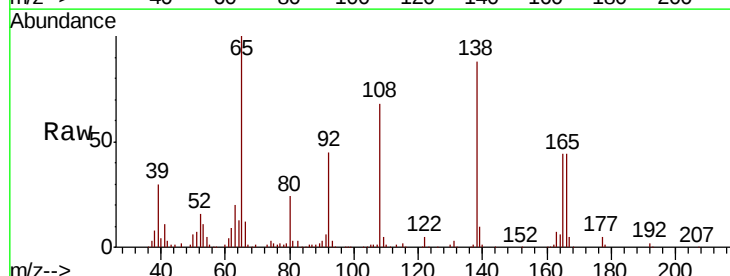


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

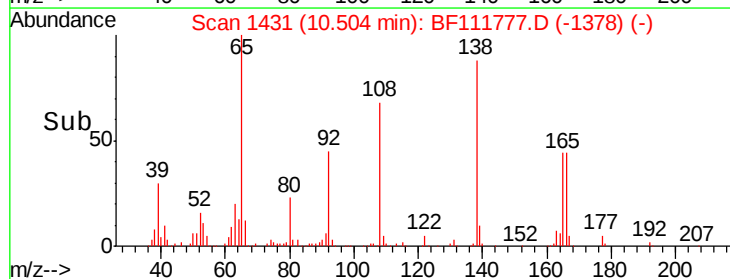
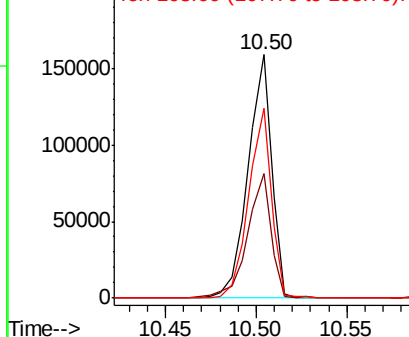


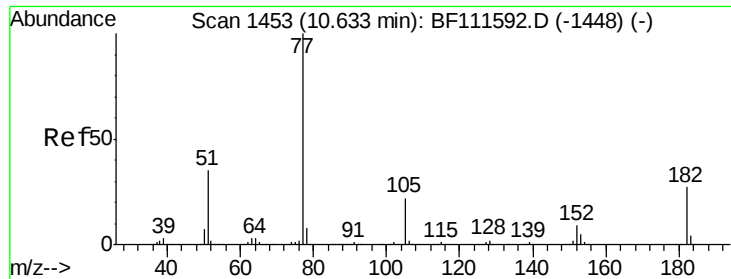
#62
4-Nitroaniline
Concen: 46.718 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion: 138 Resp: 144261
Ion Ratio Lower Upper
138 100
92 51.1 29.9 69.9
108 78.1 43.2 83.2



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 41.142 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

Tgt Ion: 77 Resp: 605310

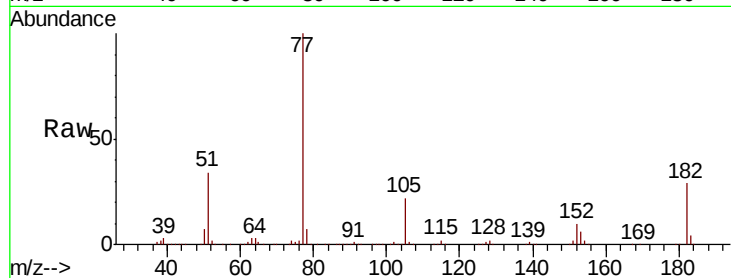
Ion Ratio Lower Upper

77 100

182 29.2 4.9 44.9

105 22.2 6.0 46.0

51 33.6 14.7 54.7

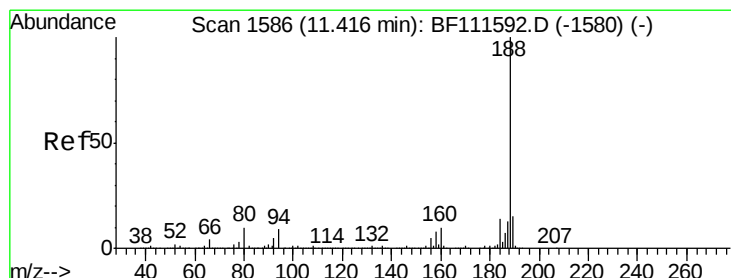
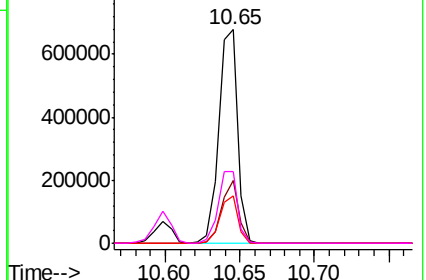
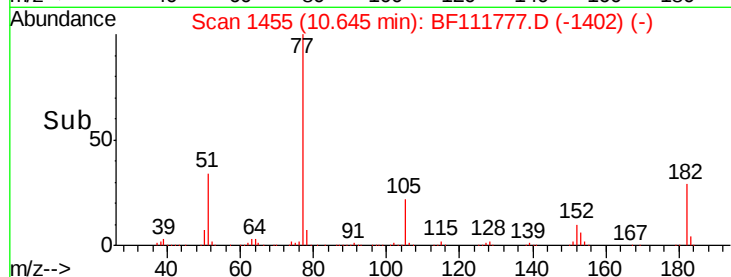


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

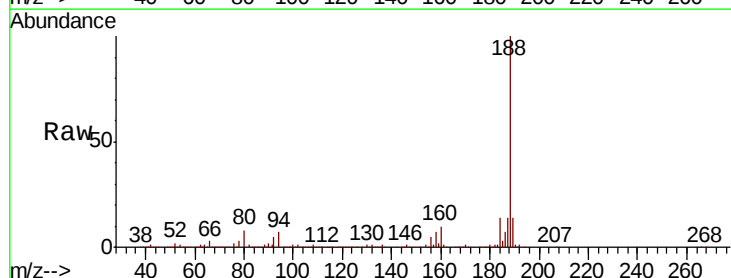
Tgt Ion: 188 Resp: 369721

Ion Ratio Lower Upper

188 100

94 7.4 9.6 14.4#

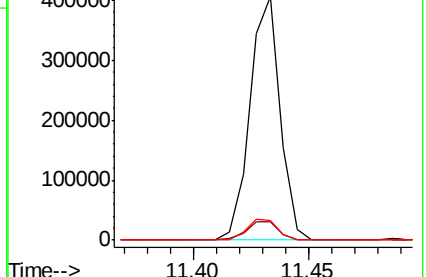
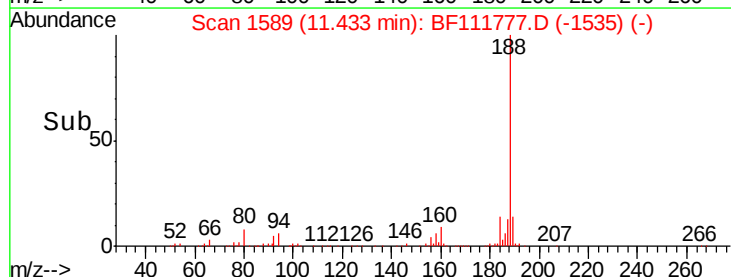
80 8.1 9.8 14.6#

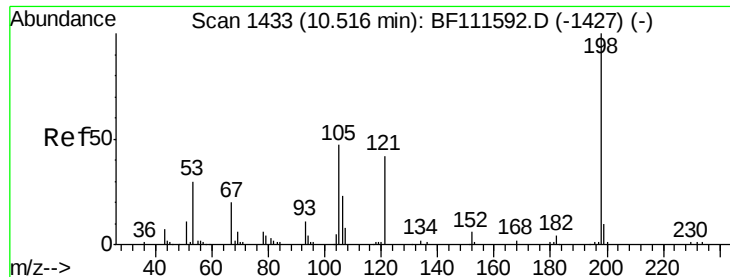


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

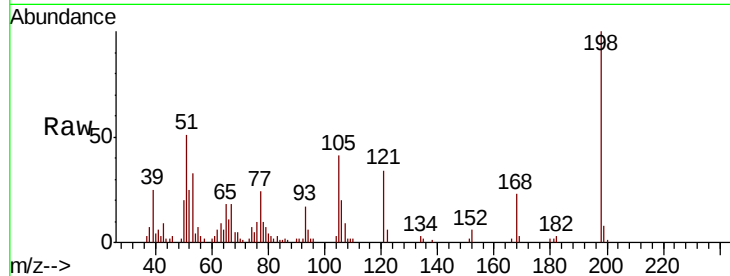




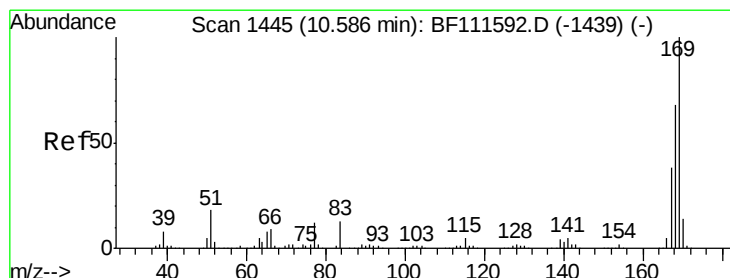
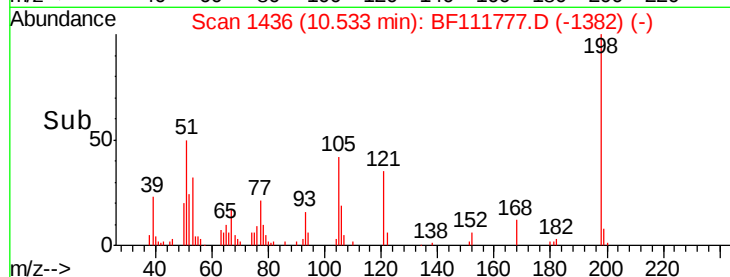
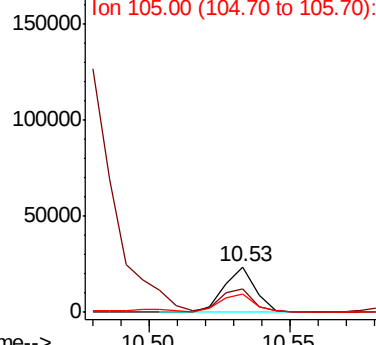
#65
4,6-Dinitro-2-methylphenol
Concen: 16.990 ng
RT: 10.53 min Scan# 1436
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:198 Resp: 18284
Ion Ratio Lower Upper
198 100
51 51.1 48.0 88.0
105 40.8 34.0 74.0

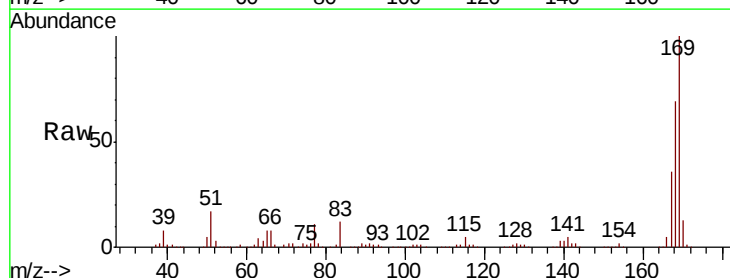


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

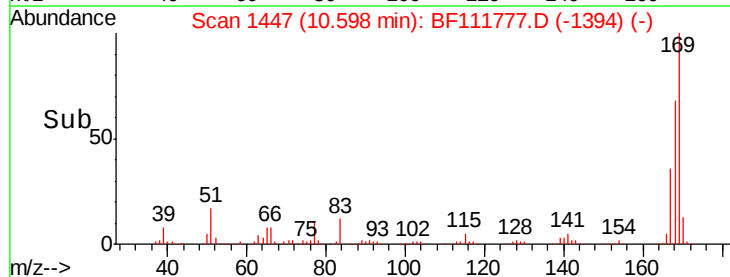
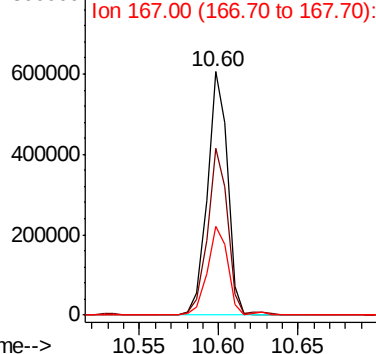


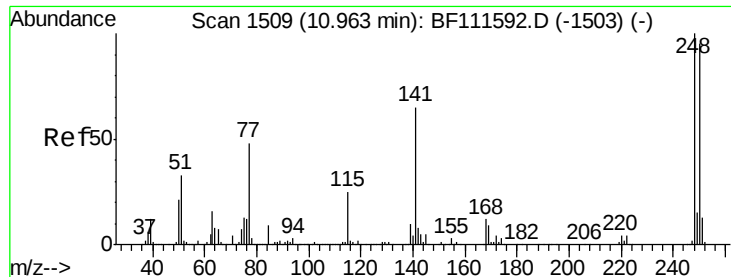
#66
n-Nitrosodiphenylamine
Concen: 43.087 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:169 Resp: 534739
Ion Ratio Lower Upper
169 100
168 68.6 54.4 81.6
167 36.4 30.5 45.7



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

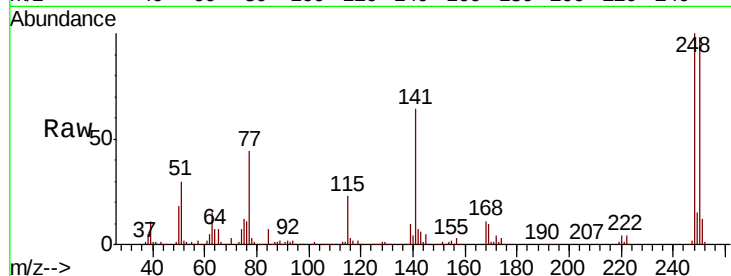




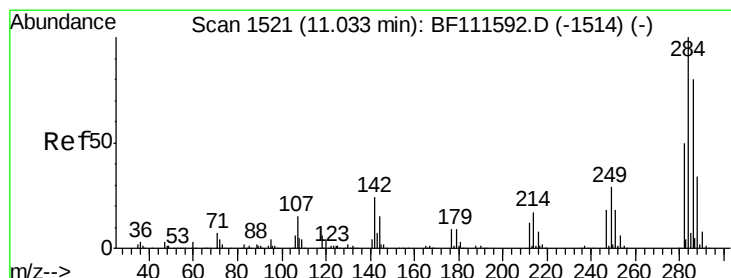
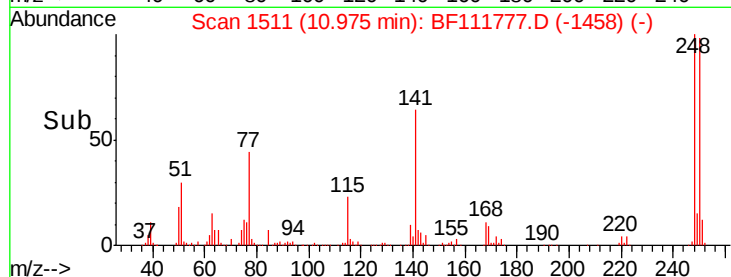
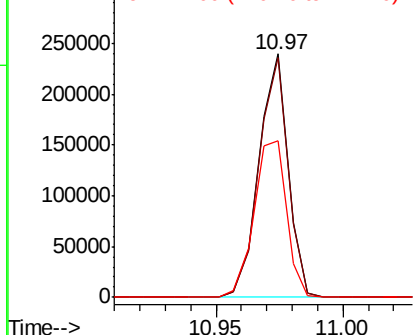
#67
 4-Bromophenyl-phenylether
 Concen: 42.225 ng
 RT: 10.97 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tgt Ion:248 Resp: 193633
 Ion Ratio Lower Upper
 248 100
 250 98.3 77.0 115.4
 141 64.2 63.0 94.6

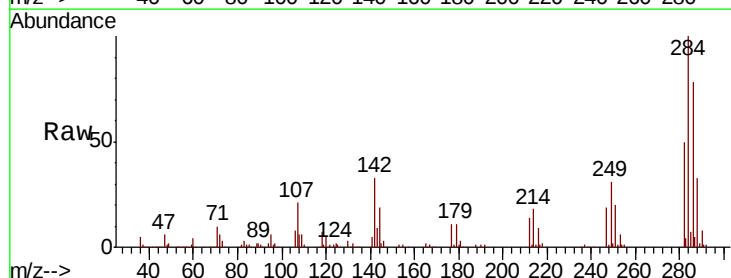


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

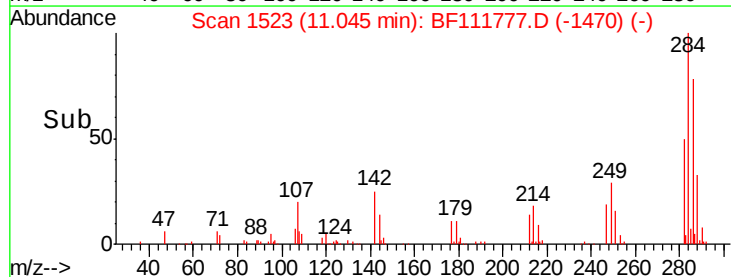
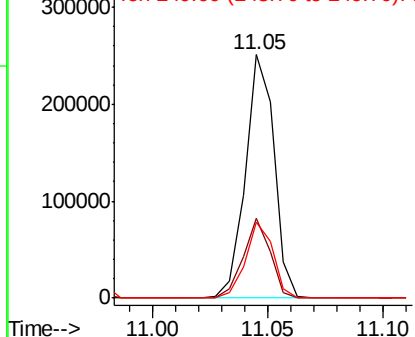


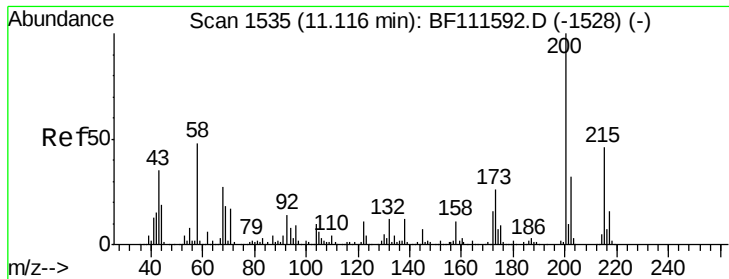
#68
 Hexachlorobenzene
 Concen: 42.772 ng
 RT: 11.05 min Scan# 1523
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion:284 Resp: 218694
 Ion Ratio Lower Upper
 284 100
 142 32.9 27.4 41.2
 249 31.3 24.4 36.6



Abundance Ion 283.80 (283.50 to 284.50): E
 Ion 142.00 (141.70 to 142.70): E
 Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 40.011 ng

RT: 11.13 min Scan# 1537

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

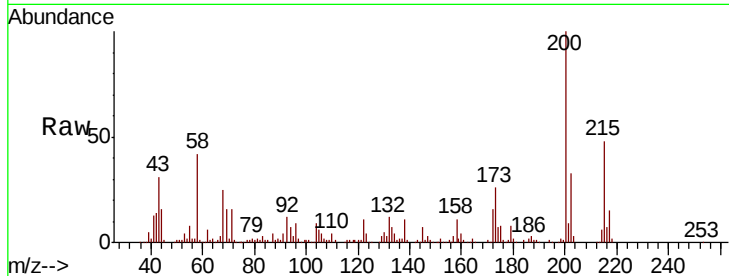
Tgt Ion:200 Resp: 172512

Ion Ratio Lower Upper

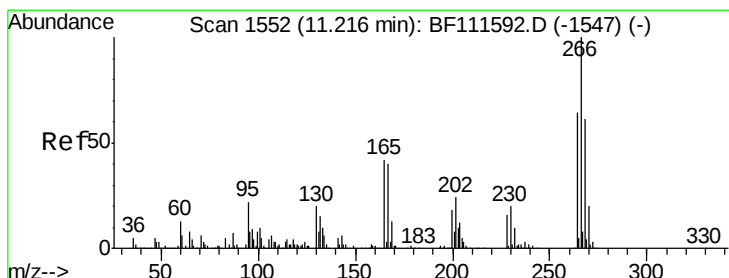
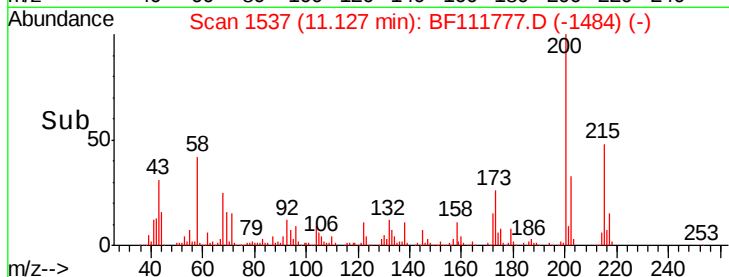
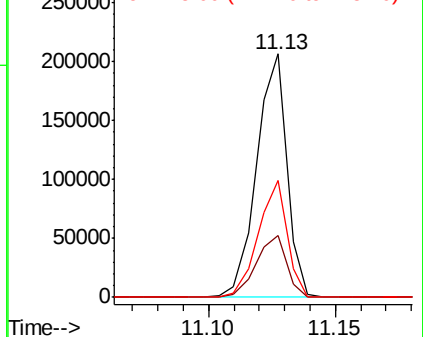
200 100

173 25.5 10.1 50.1

215 48.2 26.9 66.9



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 51.686 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

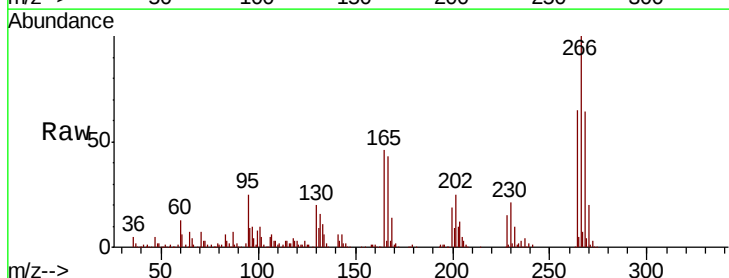
Tgt Ion:266 Resp: 163376

Ion Ratio Lower Upper

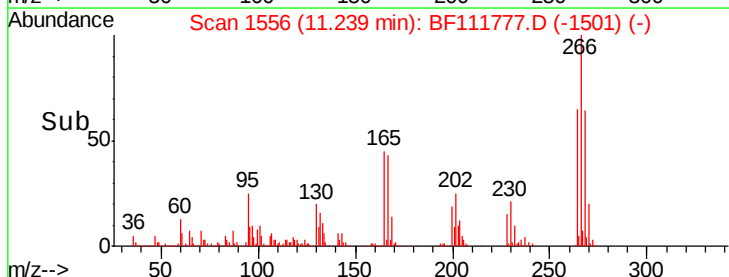
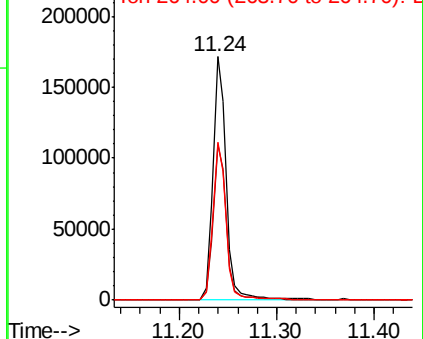
266 100

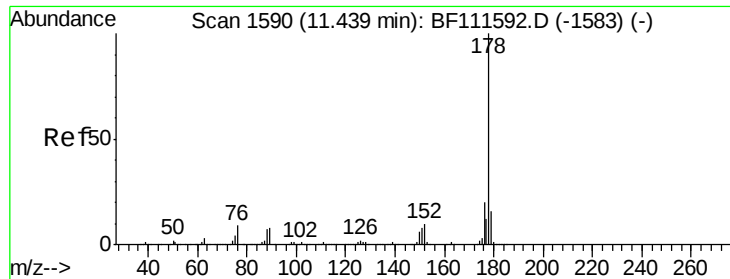
268 63.8 47.9 71.9

264 64.8 49.1 73.7



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

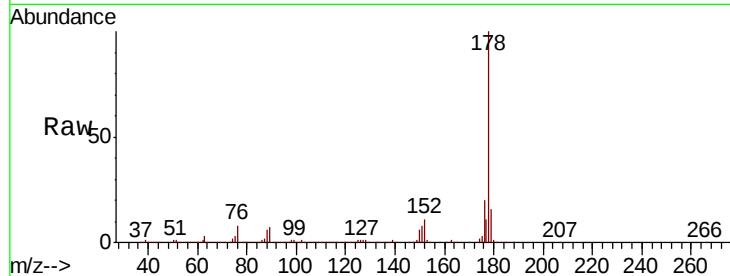




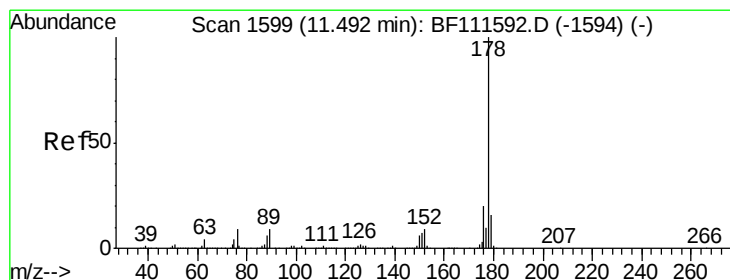
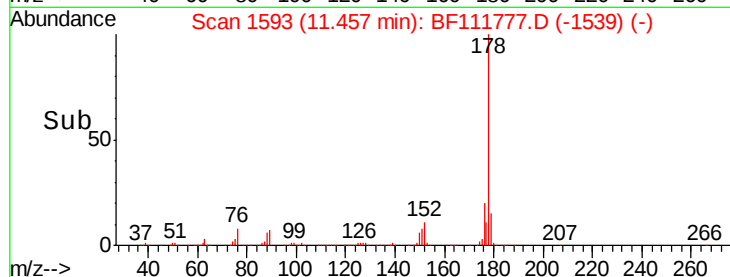
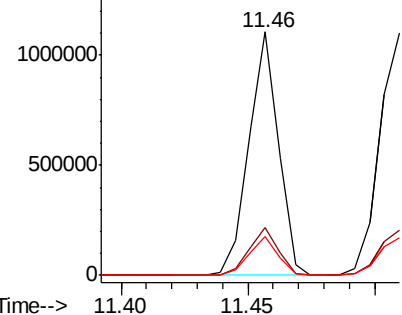
#71
Phenanthrene
Concen: 45.748 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion:178 Resp: 897014
Ion Ratio Lower Upper
178 100
176 19.7 18.1 27.1
179 15.9 14.0 21.0

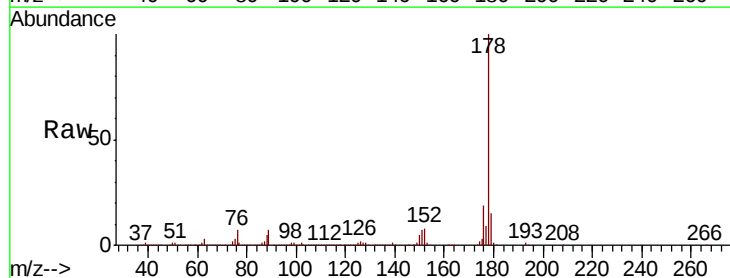


Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

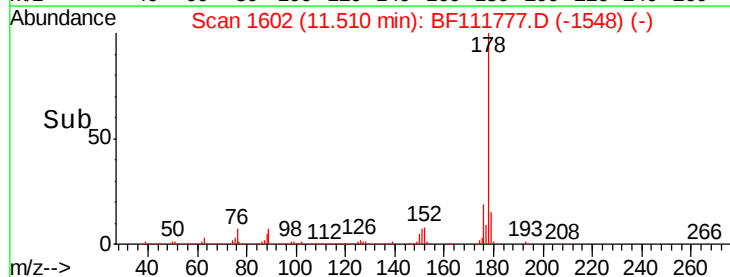
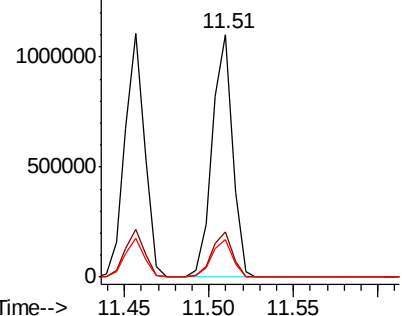


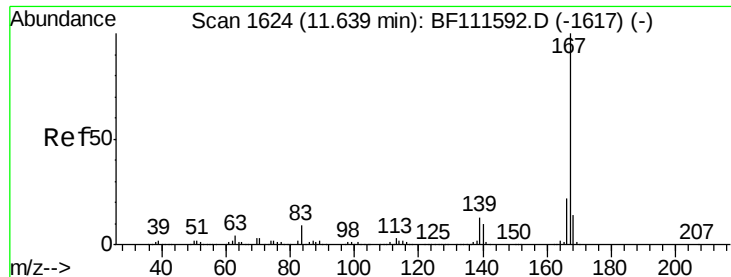
#72
Anthracene
Concen: 46.858 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:178 Resp: 922215
Ion Ratio Lower Upper
178 100
176 18.5 17.2 25.8
179 15.4 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E
1500000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

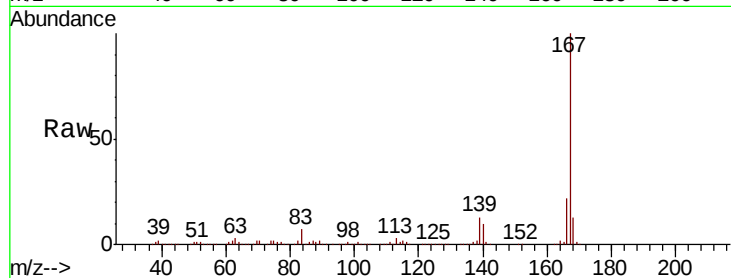




#73
 Carbazole
 Concen: 41.463 ng
 RT: 11.66 min Scan# 1628
 Delta R.T. 0.02 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-122118MSD

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	19.3	28.9
139	12.6	11.9	17.9

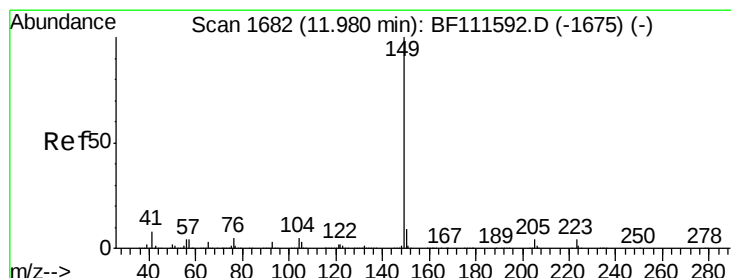
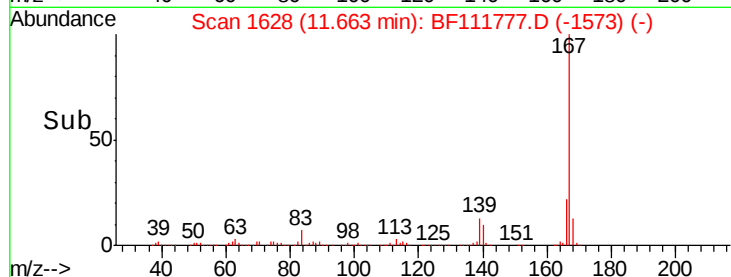
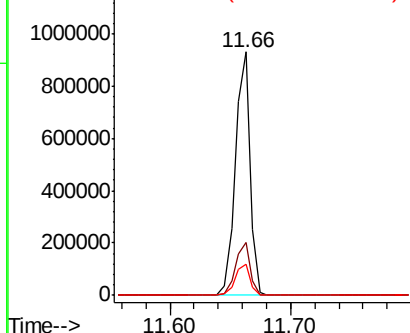


Abundance

Ion 167.00 (166.70 to 167.70): E

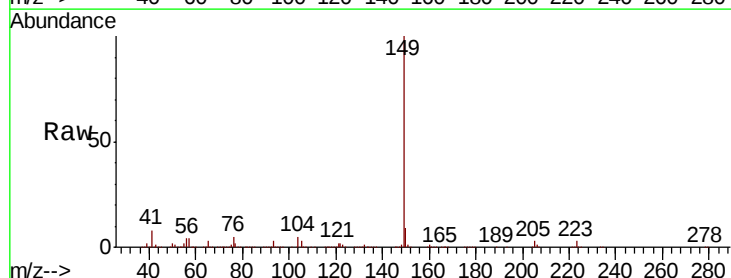
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74
 Di-n-butylphthalate
 Concen: 46.457 ng
 RT: 11.99 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: BF111777.D
 Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.2	8.8	13.2
104	4.9	4.5	6.7

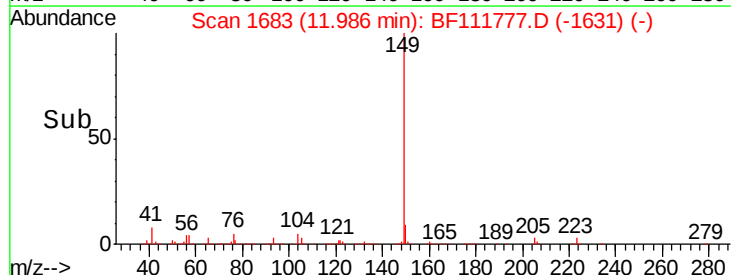
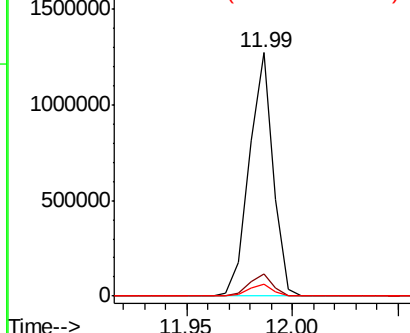


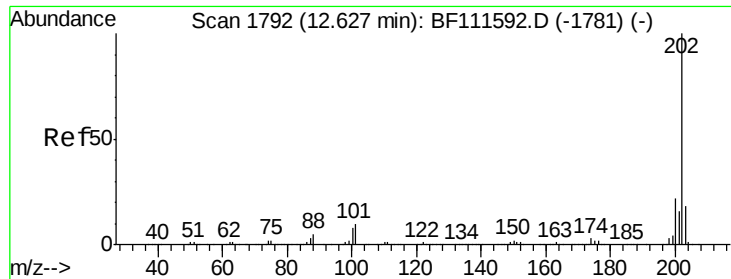
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 47.546 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

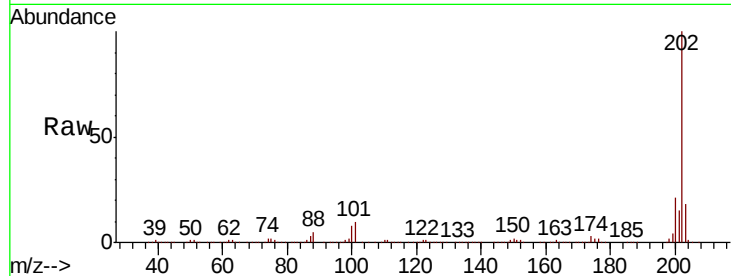
Tgt Ion: 202 Resp: 944045

Ion Ratio Lower Upper

202 100

101 10.3 0.0 33.8

203 17.7 0.0 38.6

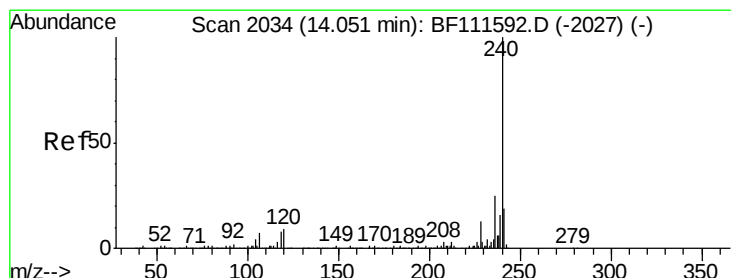
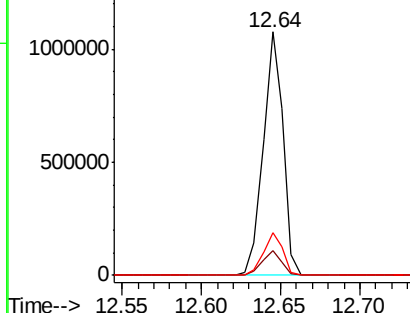
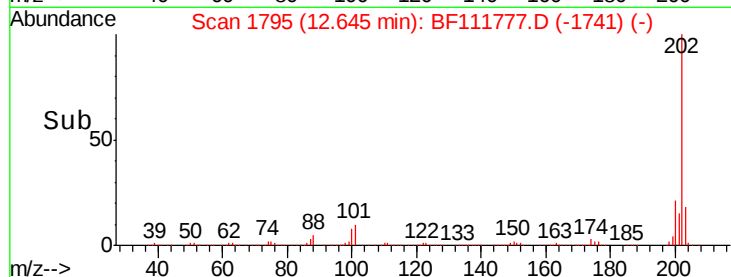


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

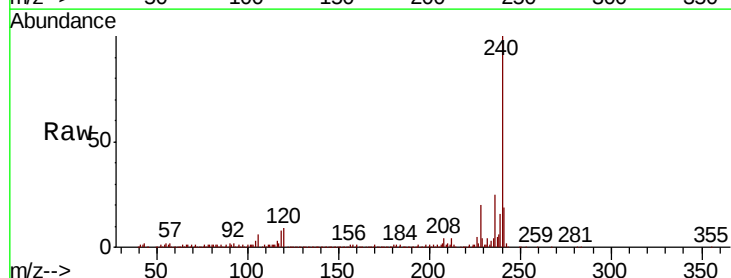
Tgt Ion: 240 Resp: 289424

Ion Ratio Lower Upper

240 100

120 8.7 12.2 18.2#

236 25.5 20.2 30.2

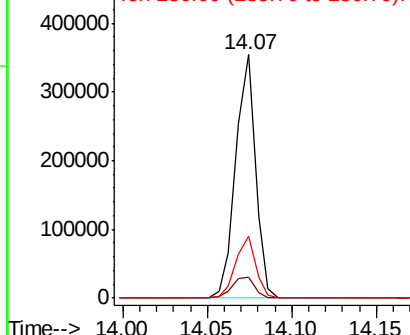
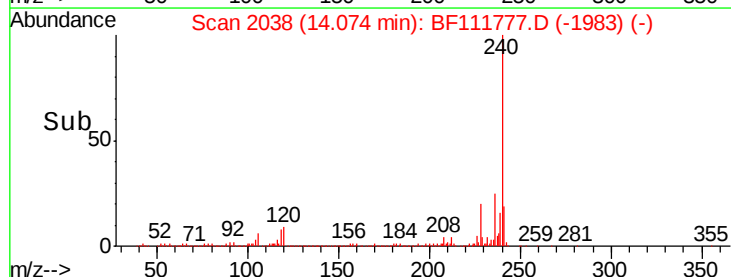


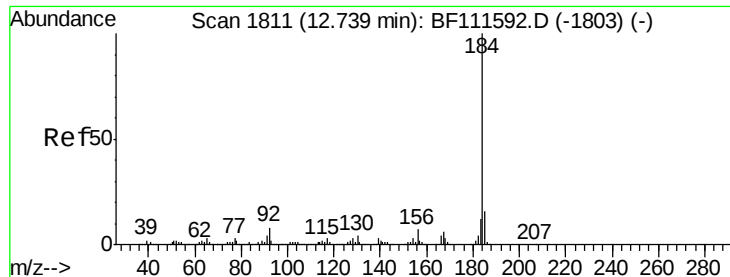
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.976 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

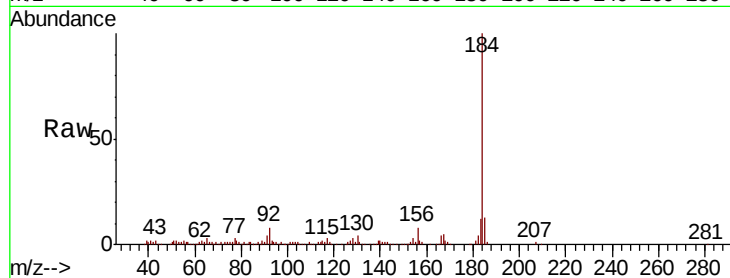
Tgt Ion:184 Resp: 130427

Ion Ratio Lower Upper

184 100

185 12.9 13.0 19.6#

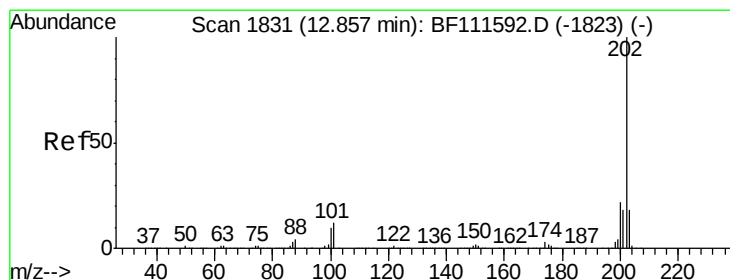
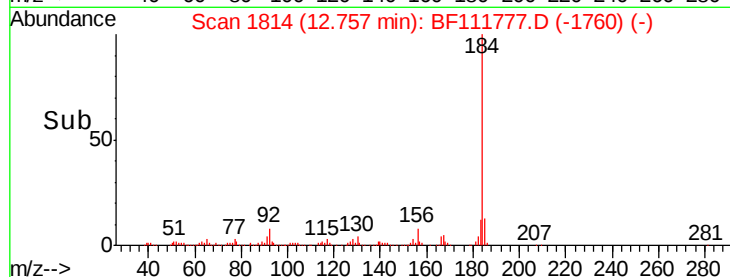
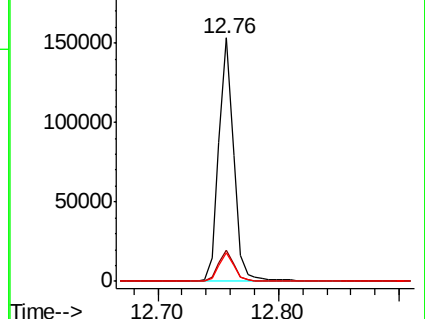
183 11.5 9.3 13.9



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.675 ng

RT: 12.87 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

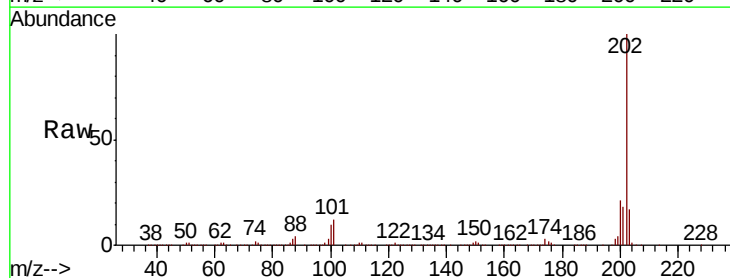
Tgt Ion:202 Resp: 953969

Ion Ratio Lower Upper

202 100

200 21.1 19.0 28.4

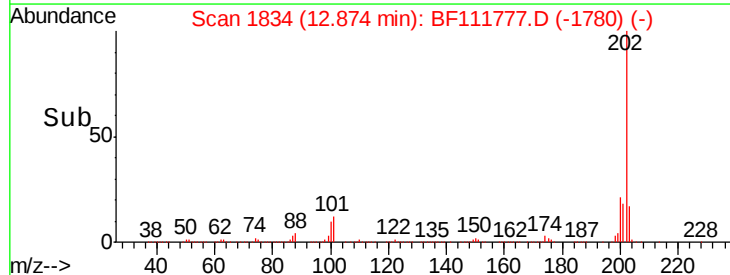
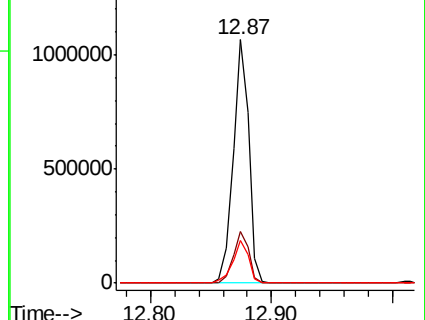
203 17.5 15.2 22.8

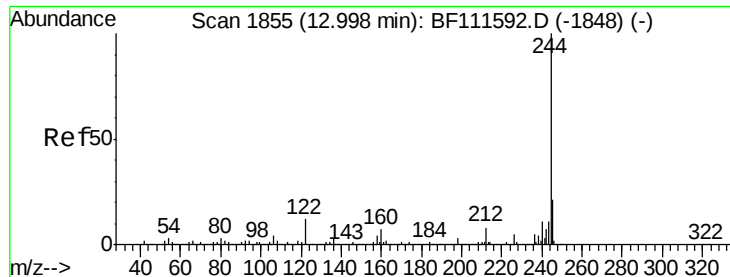


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 90.147 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

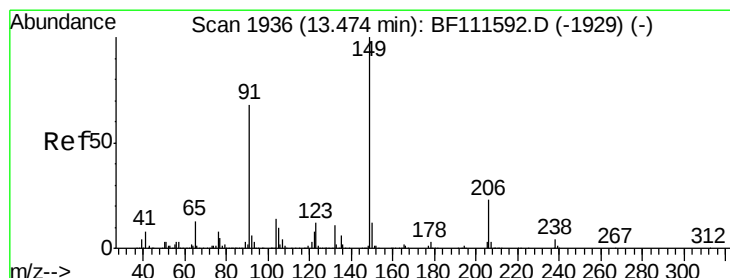
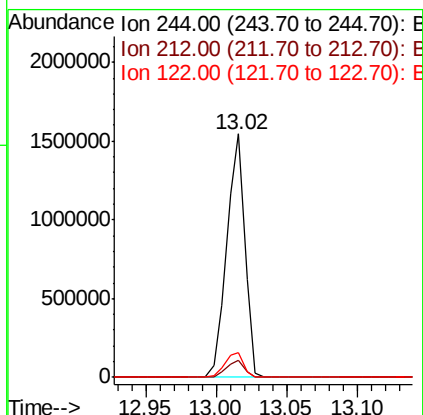
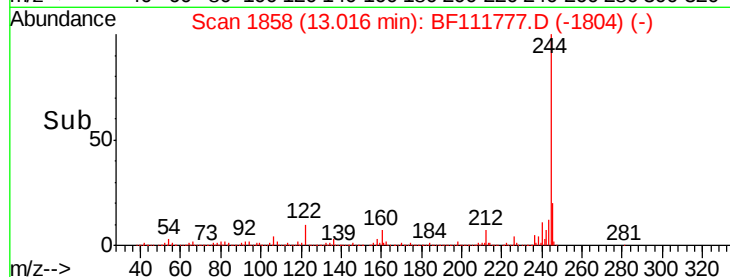
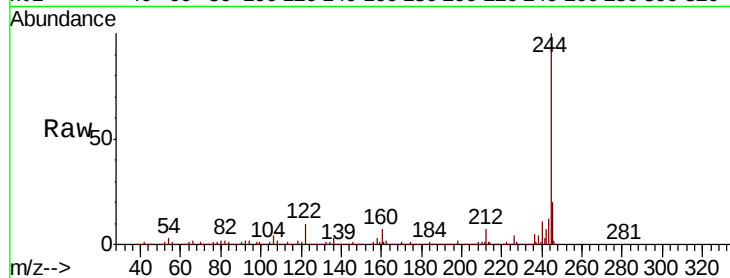
Tgt Ion:244 Resp: 1375784

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.2 13.1 19.7#



#80

Butylbenzylphthalate

Concen: 49.286 ng

RT: 13.49 min Scan# 1938

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

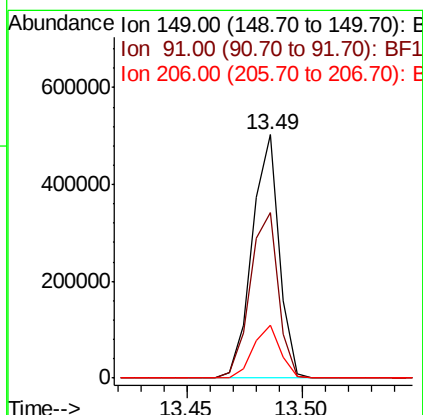
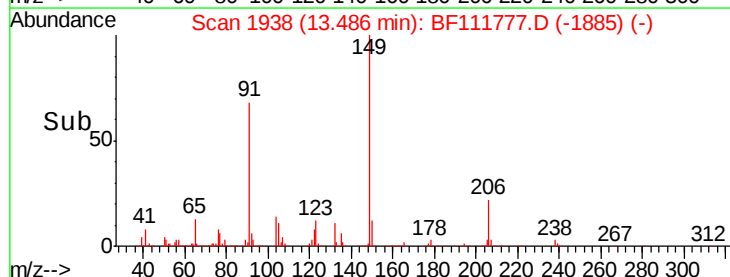
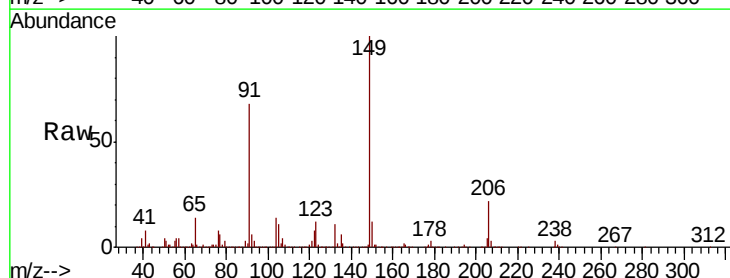
Tgt Ion:149 Resp: 410610

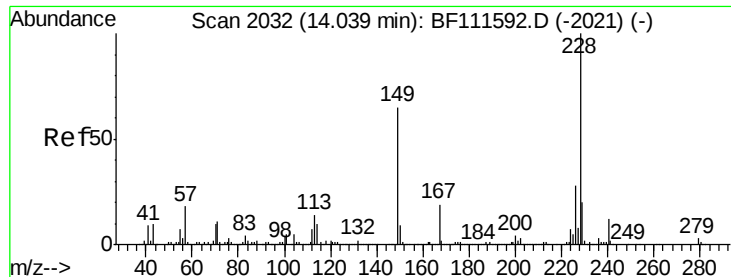
Ion Ratio Lower Upper

149 100

91 67.8 63.8 95.6

206 21.8 15.1 22.7

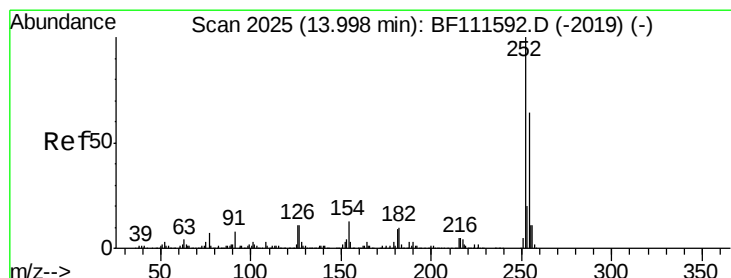
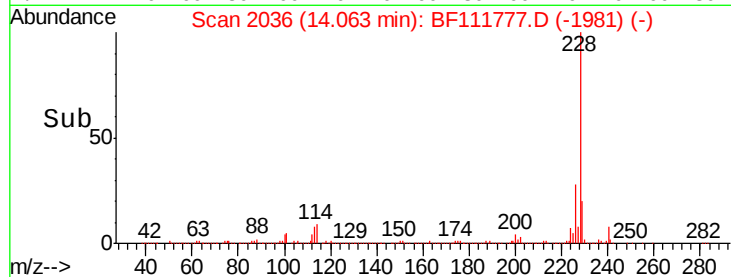
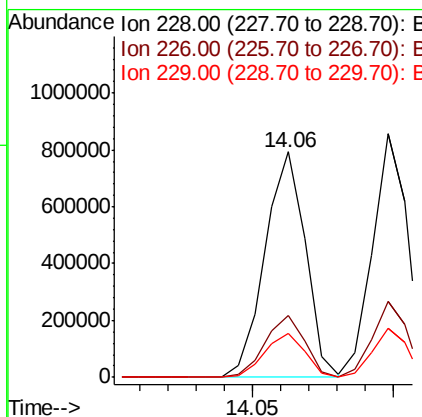
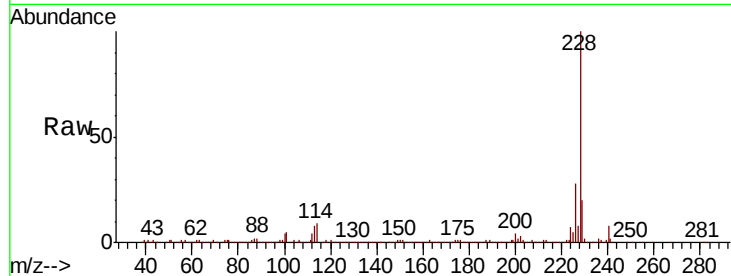




#81
Benzo(a)anthracene
Concen: 47.566 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

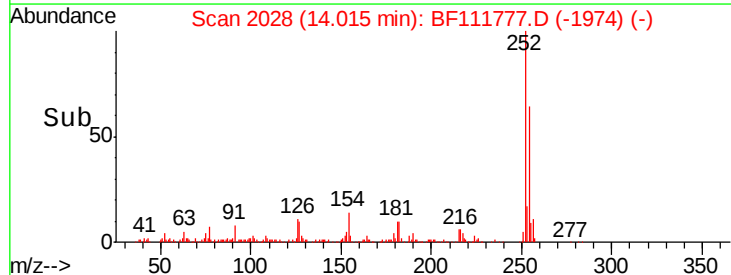
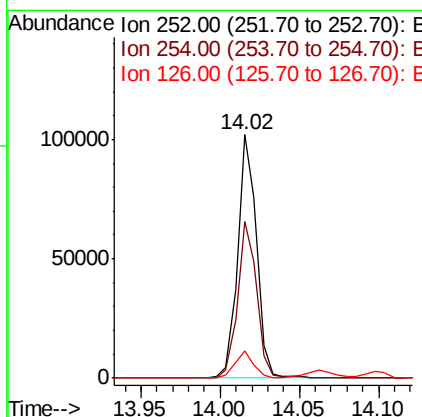
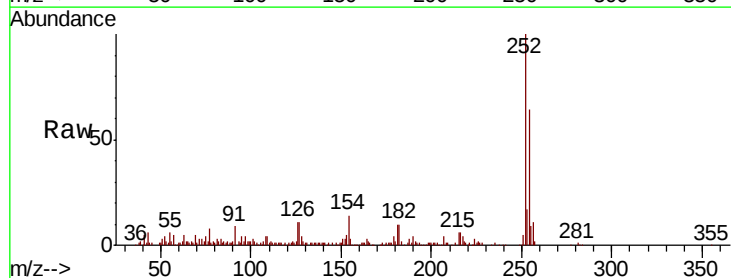
Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

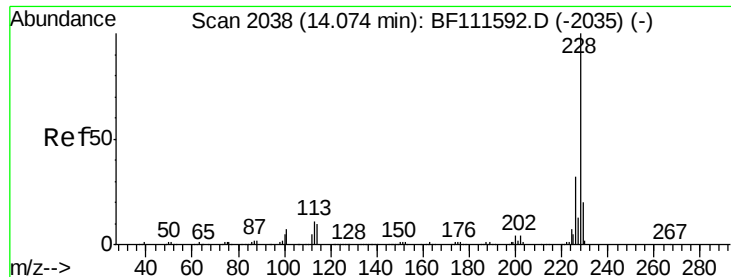
Tgt Ion:228 Resp: 785671
Ion Ratio Lower Upper
228 100
226 27.6 22.6 34.0
229 19.7 16.3 24.5



#82
3,3'-Dichlorobenzidine
Concen: 12.862 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion:252 Resp: 83936
Ion Ratio Lower Upper
252 100
254 64.3 52.7 79.1
126 11.3 11.1 16.7





#83

Chrysene

Concen: 45.029 ng

RT: 14.10 min Scan# 2042

Delta R.T. 0.02 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

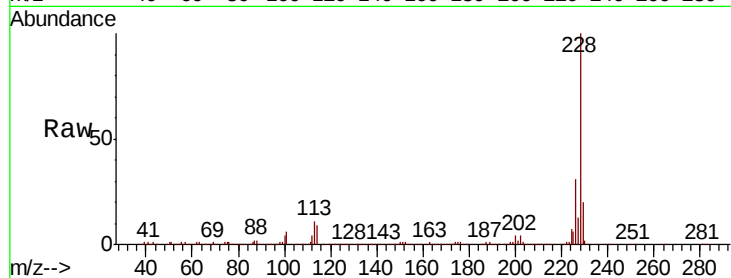
Tgt Ion:228 Resp: 731000

Ion Ratio Lower Upper

228 100

226 31.0 25.3 37.9

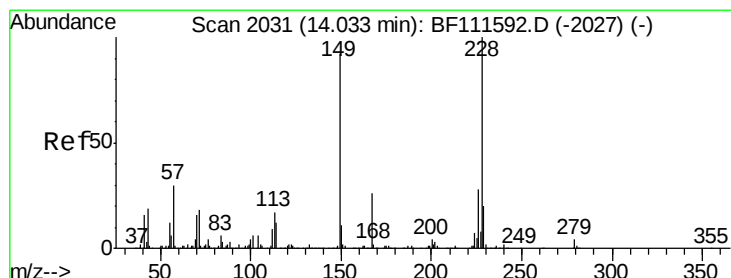
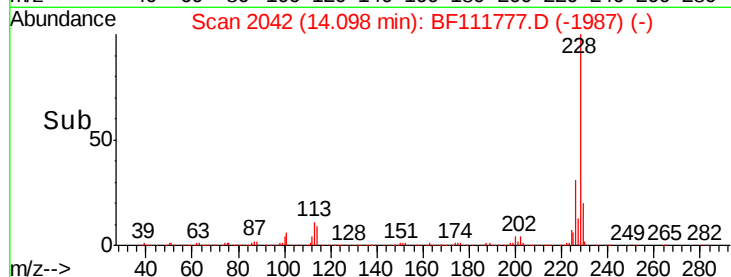
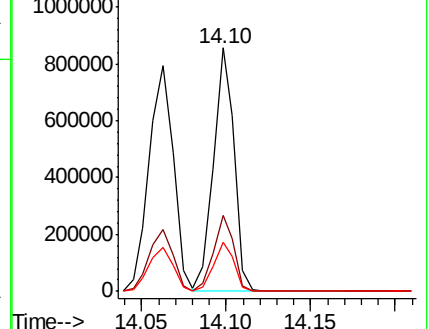
229 20.0 17.2 25.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.520 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.01 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

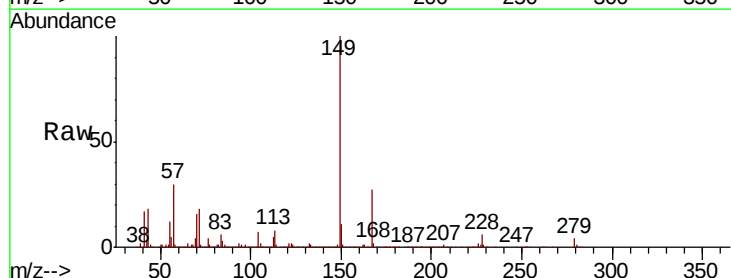
Tgt Ion:149 Resp: 572142

Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

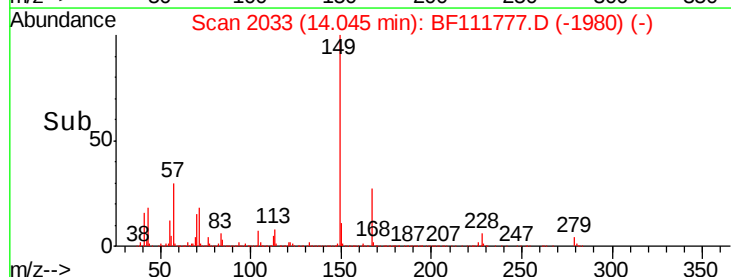
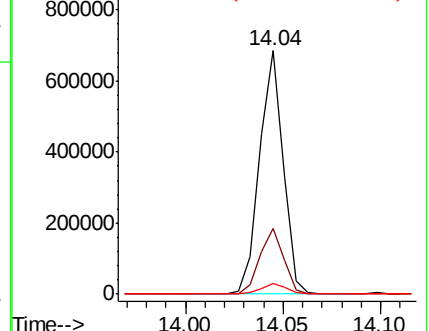
279 4.2 2.6 4.0#

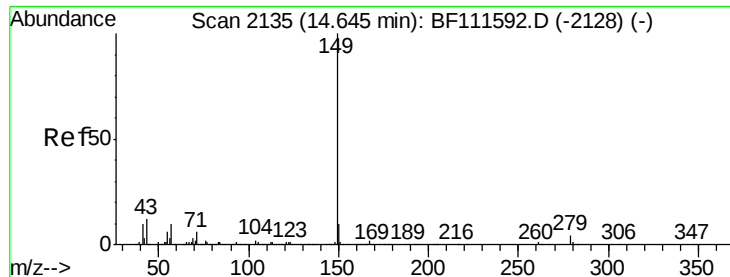


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

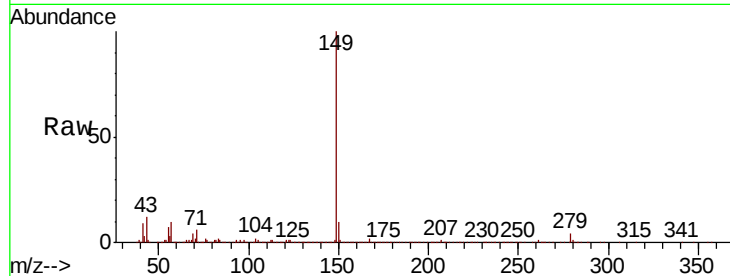




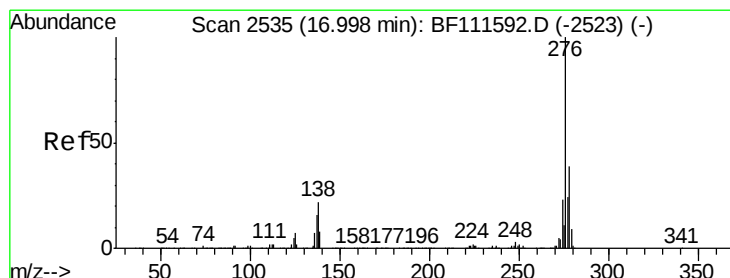
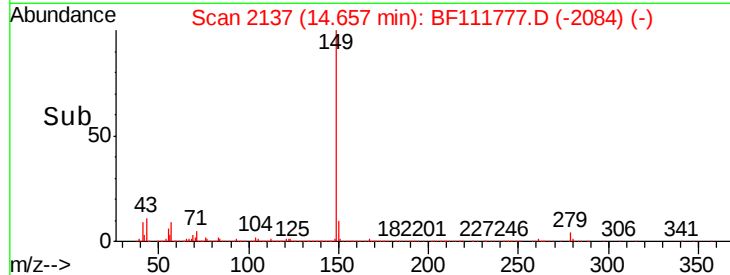
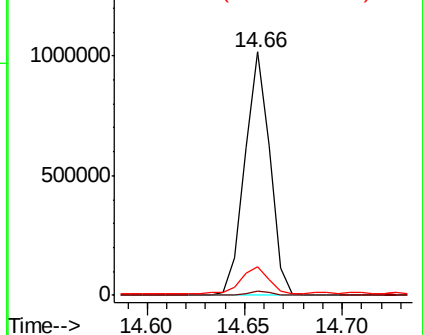
#85
Di-n-octyl phthalate
Concen: 55.445 ng
RT: 14.66 min Scan# 2137
Delta R.T. 0.01 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.6	10.9	16.3

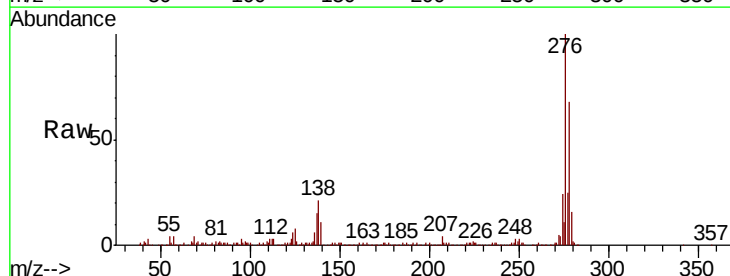


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

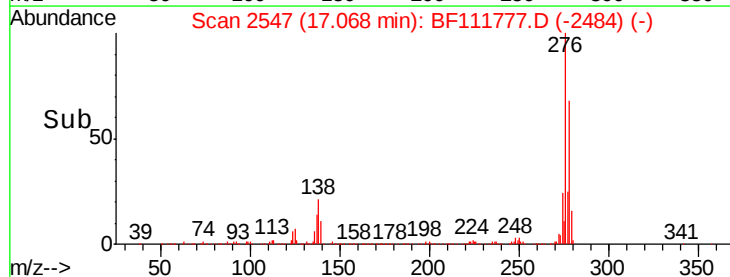
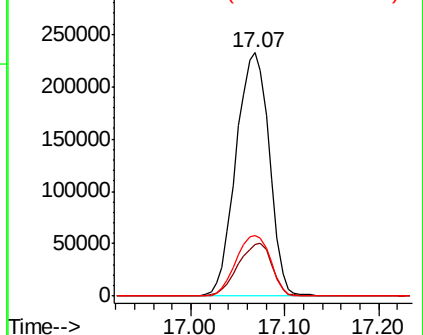


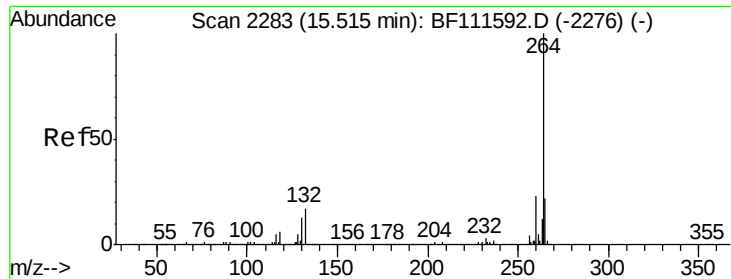
#86
Indeno(1,2,3-cd)pyrene
Concen: 41.424 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.07 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	27.8	41.6#
277	25.9	20.1	30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

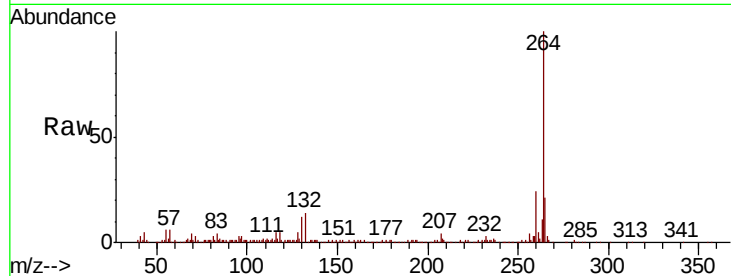
Tgt Ion:264 Resp: 226230

Ion Ratio Lower Upper

264 100

260 24.3 18.3 27.5

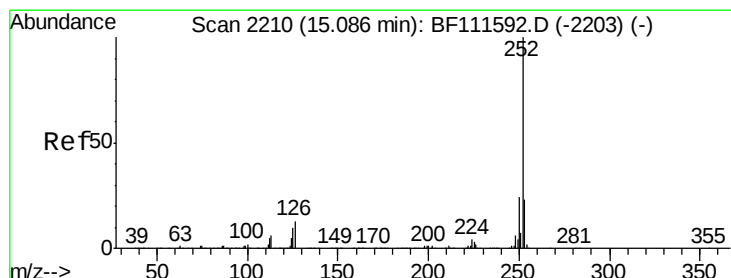
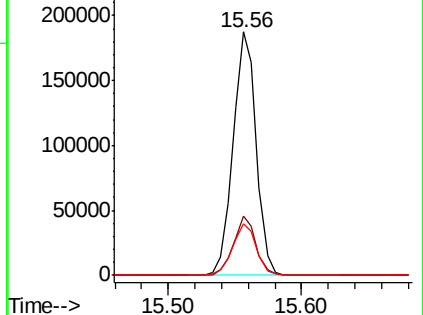
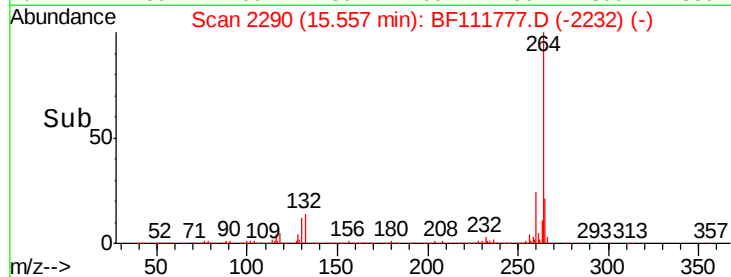
265 21.1 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 50.325 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.04 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

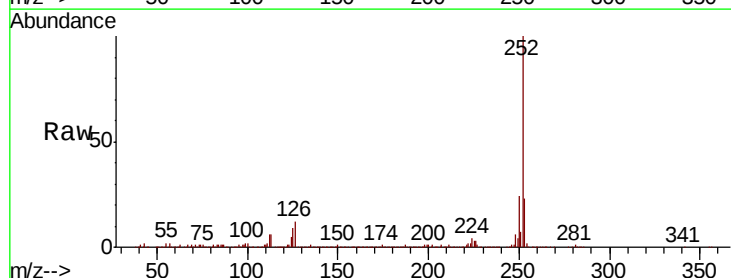
Tgt Ion:252 Resp: 665390

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

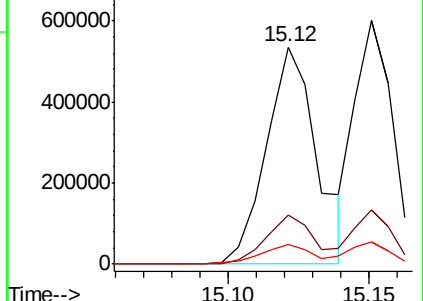
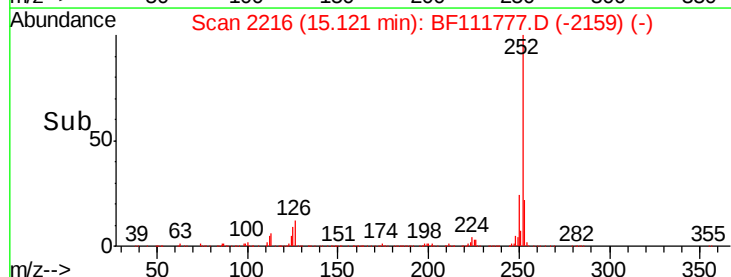
125 9.3 10.4 15.6#

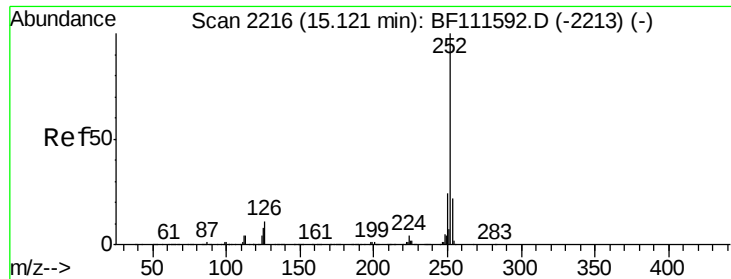


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

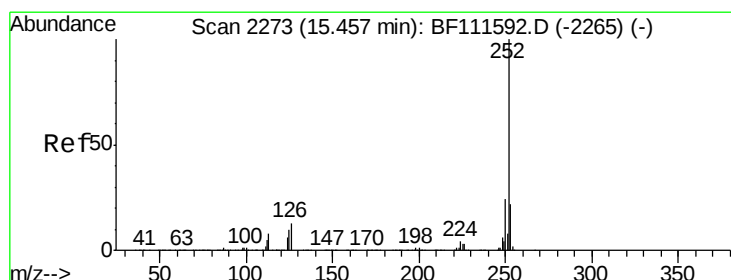
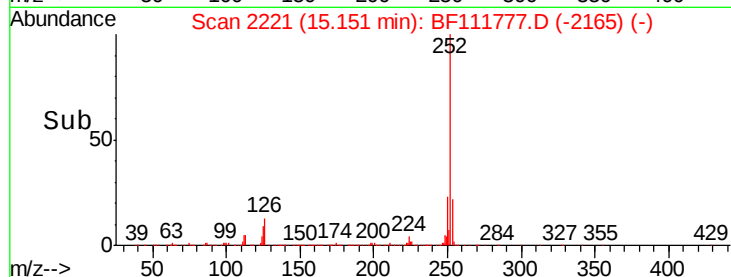
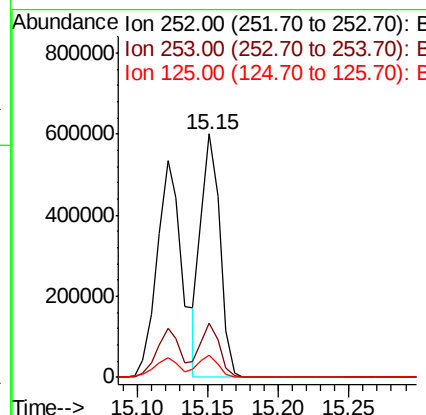
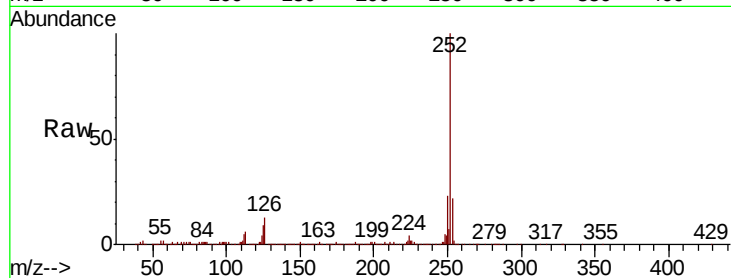




#89
Benzo(k)fluoranthene
Concen: 44.531 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.03 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

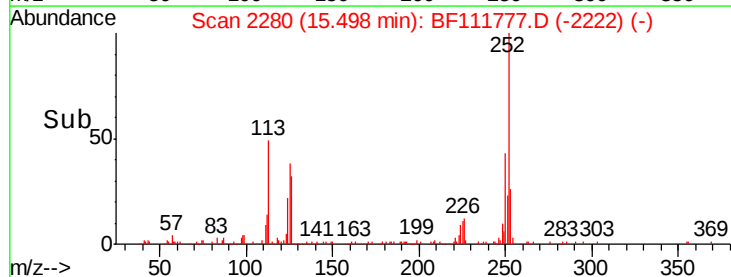
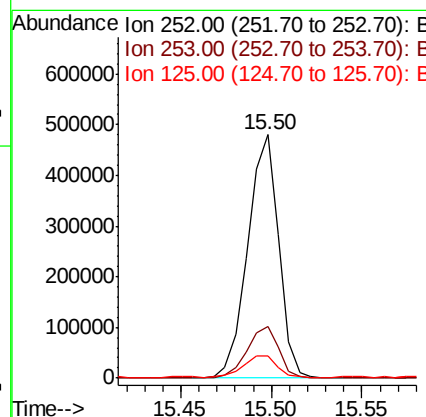
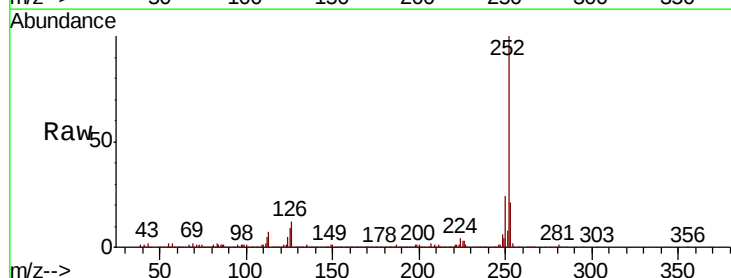
Instrument :
BNA_F
ClientSampleId :
BU-03-122118MSD

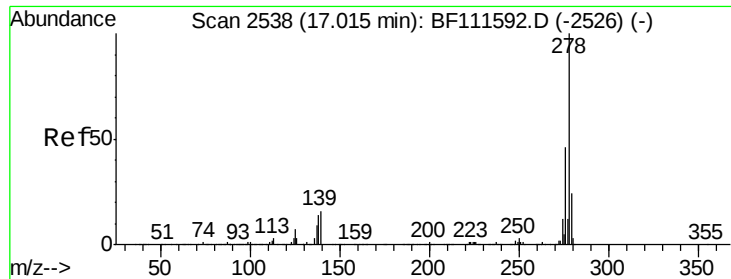
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	9.2	9.8	14.8



#90
Benzo(a)pyrene
Concen: 47.341 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.04 min
Lab File: BF111777.D
Acq: 27 Dec 2018 21:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.8
125	9.3	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 46.490 ng

RT: 17.08 min Scan# 2549

Delta R.T. 0.06 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

Instrument :

BNA_F

ClientSampleId :

BU-03-122118MSD

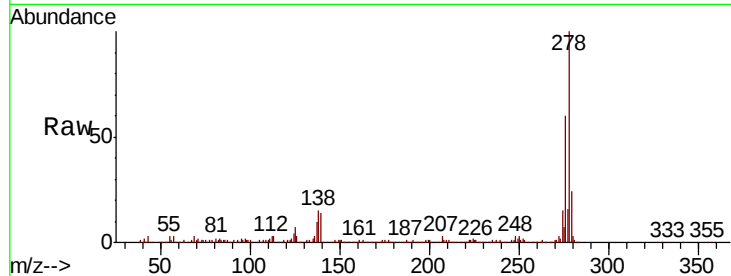
Tgt Ion: 278 Resp: 489018

Ion Ratio Lower Upper

278 100

139 13.9 18.2 27.4#

279 24.2 19.0 28.6

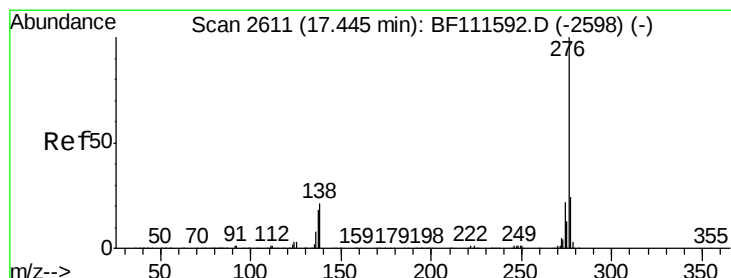
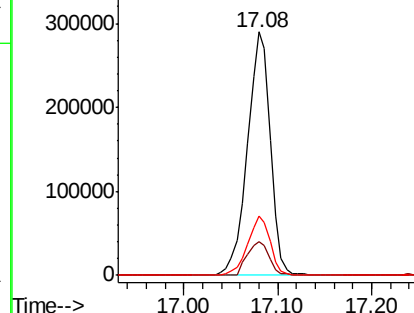
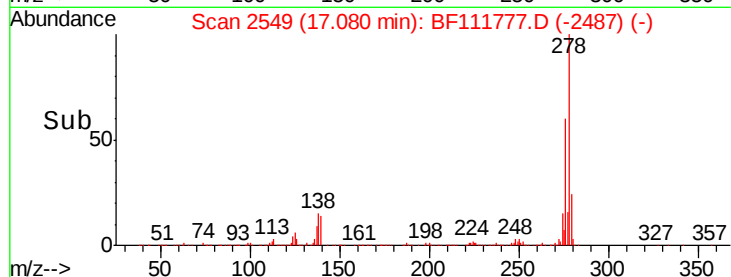


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 45.620 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.08 min

Lab File: BF111777.D

Acq: 27 Dec 2018 21:55

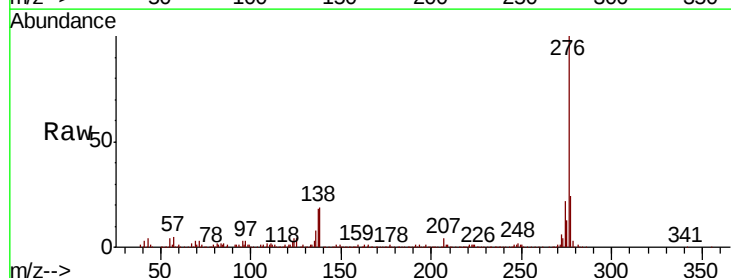
Tgt Ion: 276 Resp: 468567

Ion Ratio Lower Upper

276 100

277 24.4 19.2 28.8

138 19.3 24.9 37.3#



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

