

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122018\
 Data File : BF111635.D
 Acq On : 20 Dec 2018 13:17
 Operator : JU/SJ
 Sample : J6481-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Quant Time: Dec 21 06:16:05 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	6.90	152	194767	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	729065	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	368047	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	633783	20.00	ng	0.00
76) Chrysene-d12	14.05	240	434943	20.00	ng	0.00
87) Perylene-d12	15.53	264	459347	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1519128	132.95	ng	0.01
7) Phenol-d6	6.53	99	1978977	136.09	ng	0.01
23) Nitrobenzene-d5	7.46	82	1240210	99.02	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	564775	129.87	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2178113	86.26	ng	0.00
79) Terphenyl-d14	13.00	244	1784011	77.79	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	192490	35.805	ng	98
3) Pyridine	3.52	79	523427	37.372	ng	95
4) n-Nitrosodimethylamine	3.45	42	321996	46.976	ng	83
6) Aniline	6.56	93	609377	32.875	ng	97
8) 2-Chlorophenol	6.69	128	569165	44.966	ng	100
9) Benzaldehyde	6.45	77	429307	42.925	ng	96
10) Phenol	6.55	94	799655	48.737	ng	98
11) bis(2-Chloroethyl)ether	6.63	93	529130	43.036	ng	98
12) 1,3-Dichlorobenzene	6.84	146	616458	42.025	ng	99
13) 1,4-Dichlorobenzene	6.92	146	632119	42.491	ng	97
14) 1,2-Dichlorobenzene	7.07	146	595467	42.902	ng	97
15) Benzyl Alcohol	7.03	79	524718	45.434	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.17	45	936154	41.341	ng	99
17) 2-Methylphenol	7.15	107	470769	46.449	ng	96
18) Hexachloroethane	7.42	117	215148	42.917	ng	# 87
19) n-Nitroso-di-n-propylamine	7.31	70	414325	42.902	ng	97
20) 3+4-Methylphenols	7.30	107	582601	45.492	ng	92
22) Acetophenone	7.30	105	767819	41.571	ng	# 94
24) Nitrobenzene	7.47	77	613531	46.736	ng	97
25) Isophorone	7.72	82	1091968	49.109	ng	97
26) 2-Nitrophenol	7.79	139	290137	54.495	ng	95
27) 2,4-Dimethylphenol	7.83	122	499091	47.554	ng	94
28) bis(2-Chloroethoxy)methane	7.93	93	666991	45.077	ng	98
29) 2,4-Dichlorophenol	8.03	162	513290	45.469	ng	96
30) 1,2,4-Trichlorobenzene	8.12	180	527281	41.916	ng	98
31) Naphthalene	8.20	128	1621315	46.283	ng	97
32) Benzoic acid	7.95	122	296953	42.793	ng	90
33) 4-Chloroaniline	8.24	127	218036	14.400	ng	98
34) Hexachlorobutadiene	8.33	225	311858	40.676	ng	97
35) Caprolactam	8.64	113	150073	39.233	ng	90
36) 4-Chloro-3-methylphenol	8.73	107	507258	45.713	ng	98
37) 2-Methylnaphthalene	8.89	142	1098019	48.178	ng	98
38) 1-Methylnaphthalene	8.99	142	1026778	46.909	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	506611	41.890	ng	97

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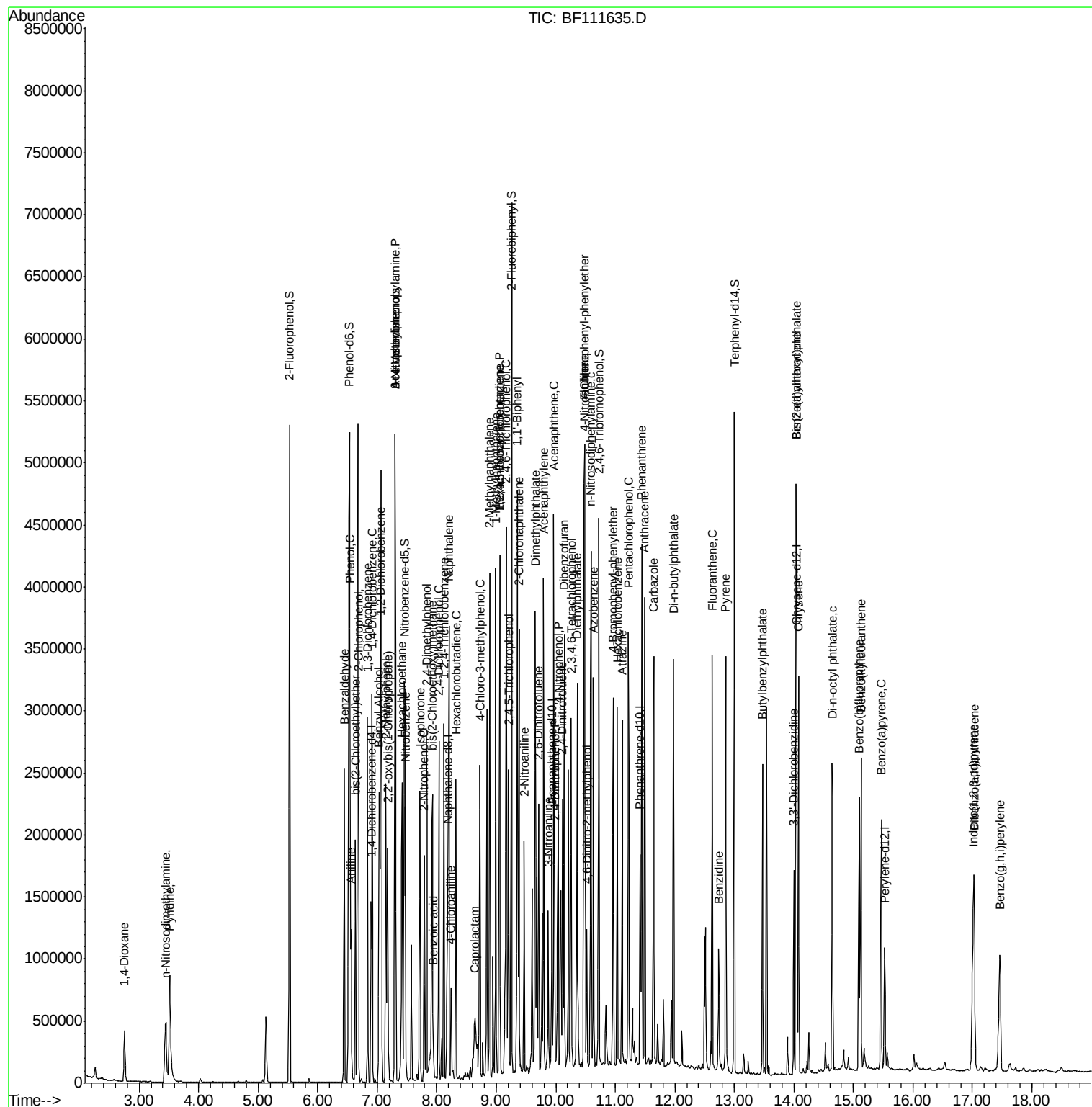
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	480228	81.828	ng	99
43) 2,4,6-Trichlorophenol	9.17	196	357120	44.228	ng	99
44) 2,4,5-Trichlorophenol	9.21	196	378066	45.640	ng #	90
46) 1,1'-Biphenyl	9.36	154	1305366	42.015	ng	96
47) 2-Chloronaphthalene	9.38	162	1024990	41.640	ng	96
48) 2-Nitroaniline	9.47	65	323228	50.475	ng	97
49) Acenaphthylene	9.80	152	1626040	45.243	ng	96
50) Dimethylphthalate	9.66	163	1414054	52.539	ng	98
51) 2,6-Dinitrotoluene	9.71	165	269906	50.293	ng #	85
52) Acenaphthene	9.97	154	1020751	46.049	ng	98
53) 3-Nitroaniline	9.88	138	165440	28.905	ng	95
54) 2,4-Dinitrophenol	9.99	184	175289	99.788	ng #	83
55) Dibenzofuran	10.14	168	1423180	42.497	ng	97
56) 4-Nitrophenol	10.04	139	426630	97.673	ng	91
57) 2,4-Dinitrotoluene	10.12	165	350518	54.344	ng #	99
58) Fluorene	10.49	166	1066571	44.198	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	327941	47.042	ng	89
60) Diethylphthalate	10.36	149	1166401	44.180	ng	98
61) 4-Chlorophenyl-phenylether	10.47	204	544034	40.805	ng	92
62) 4-Nitroaniline	10.49	138	245253	44.088	ng	89
63) Azobenzene	10.63	77	1084561	40.919	ng	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	126682	48.313	ng	85
66) n-Nitrosodiphenylamine	10.59	169	981022	46.112	ng	98
67) 4-Bromophenyl-phenylether	10.96	248	347846	44.250	ng	93
68) Hexachlorobenzene	11.03	284	373192	42.579	ng	97
69) Atrazine	11.12	200	320834	43.409	ng	96
70) Pentachlorophenol	11.22	266	404107	74.579	ng	98
71) Phenanthrene	11.44	178	1510451	44.938	ng	96
72) Anthracene	11.49	178	1536424	45.540	ng	96
73) Carbazole	11.64	167	1295915	39.564	ng	95
74) Di-n-butylphthalate	11.98	149	1595544	43.446	ng	96
75) Fluoranthene	12.63	202	1314334	38.615	ng	96
77) Benzidine	12.74	184	322600	19.711	ng	97
78) Pyrene	12.86	202	1285188	41.843	ng	96
80) Butylbenzylphthalate	13.47	149	534343	42.679	ng #	87
81) Benzo(a)anthracene	14.04	228	1103189	44.444	ng	98
82) 3,3'-Dichlorobenzidine	14.00	252	334262	34.083	ng	96
83) Chrysene	14.08	228	1072412	43.958	ng	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	700833	44.440	ng	97
85) Di-n-octyl phthalate	14.64	149	1195462	48.926	ng	96
86) Indeno(1,2,3-cd)pyrene	17.01	276	1037895	50.045	ng #	89
88) Benzo(b)fluoranthene	15.10	252	1172143	43.662	ng #	96
89) Benzo(k)fluoranthene	15.13	252	1098221	42.969	ng #	96
90) Benzo(a)pyrene	15.47	252	1104542	45.287	ng #	94
91) Dibenzo(a,h)anthracene	17.03	278	882130	41.303	ng #	91
92) Benzo(g,h,i)perylene	17.46	276	810654	38.871	ng #	88

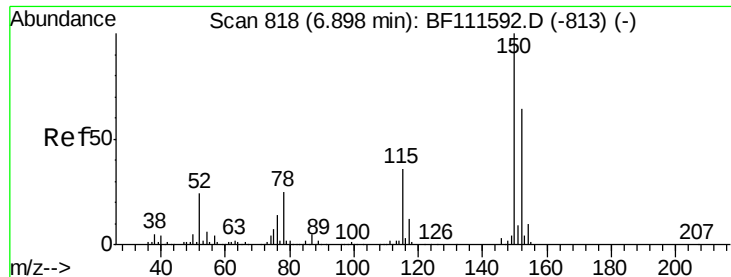
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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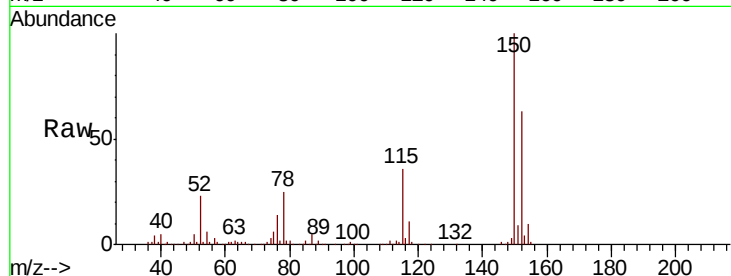


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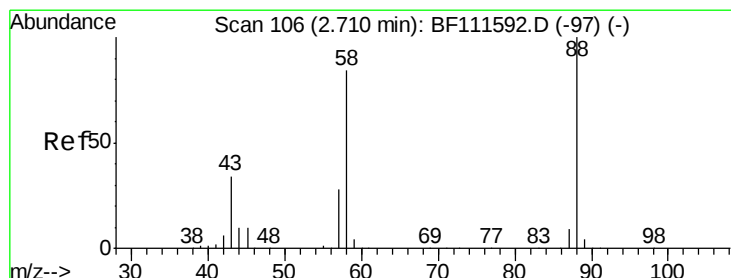
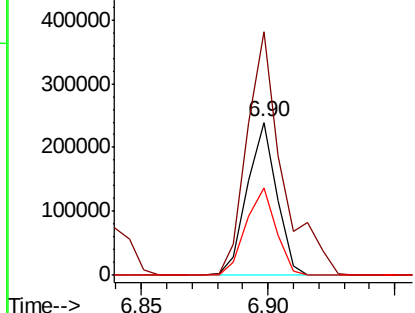
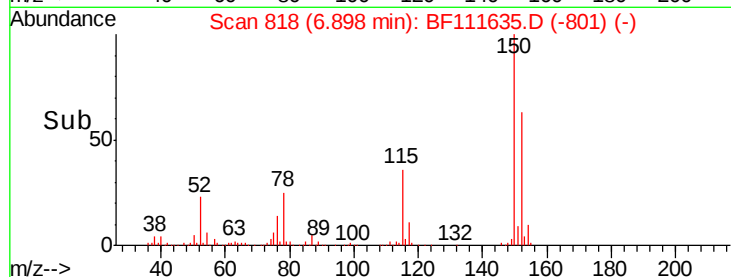
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tgt Ion:152 Resp: 194767
Ion Ratio Lower Upper
152 100
150 158.9 126.6 189.8
115 57.1 50.7 76.1



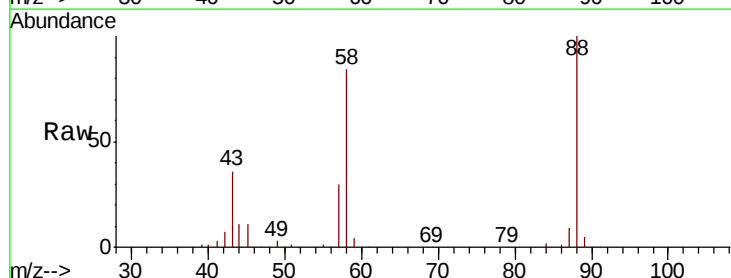
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



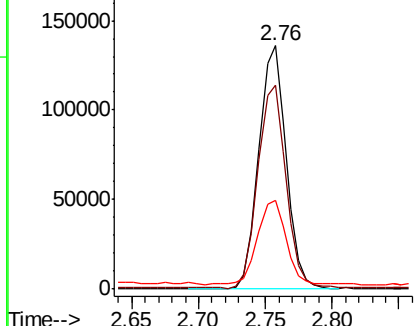
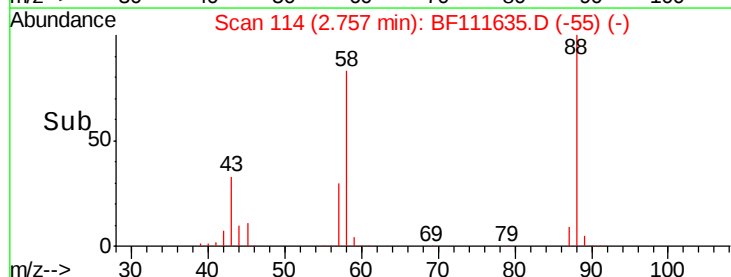
#2

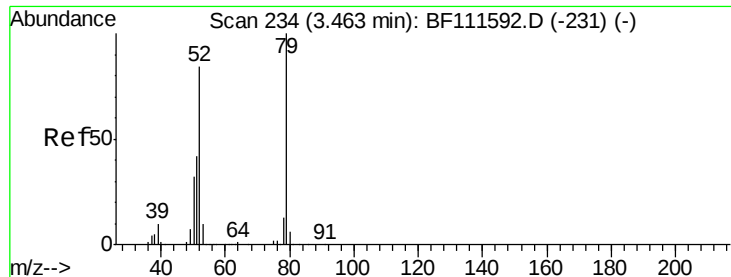
1,4-Dioxane
Concen: 35.805 ng
RT: 2.76 min Scan# 114
Delta R.T. 0.05 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion: 88 Resp: 192490
Ion Ratio Lower Upper
88 100
58 85.2 68.9 103.3
43 35.8 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: 37.372 ng

RT: 3.52 min Scan# 243

Delta R.T. 0.05 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

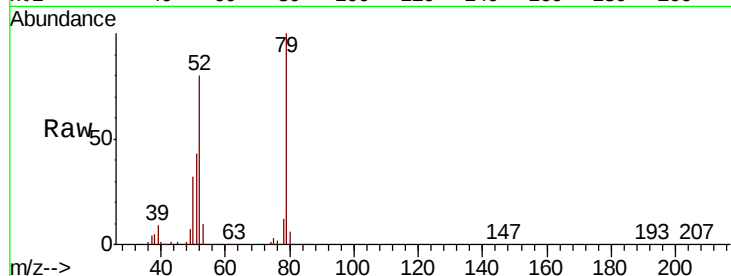
Tgt Ion: 79 Resp: 523427

Ion Ratio Lower Upper

79 100

52 79.7 68.3 102.5

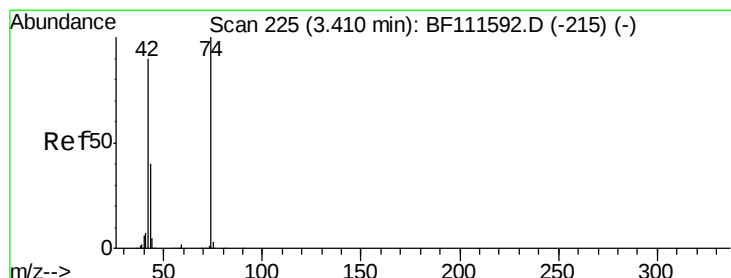
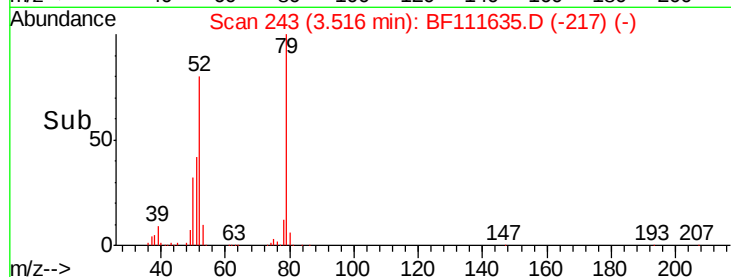
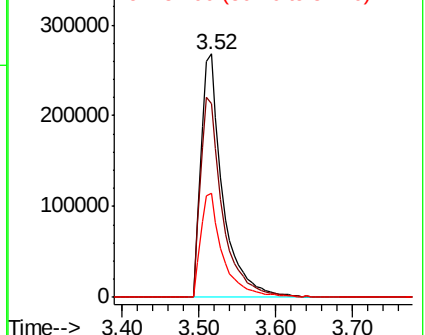
51 42.5 32.6 49.0



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 46.976 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.04 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

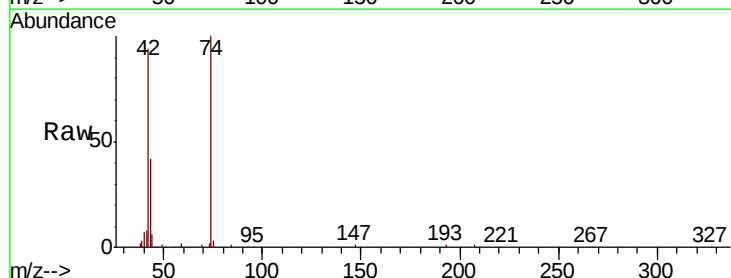
Tgt Ion: 42 Resp: 321996

Ion Ratio Lower Upper

42 100

74 106.5 101.5 152.3

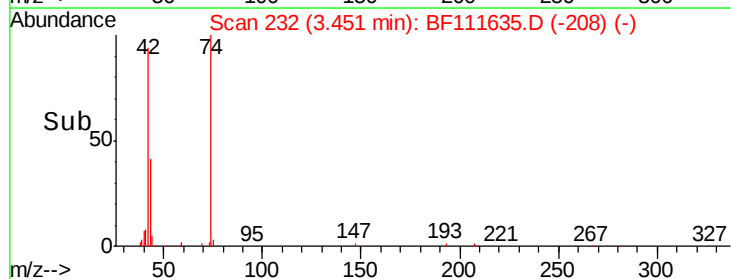
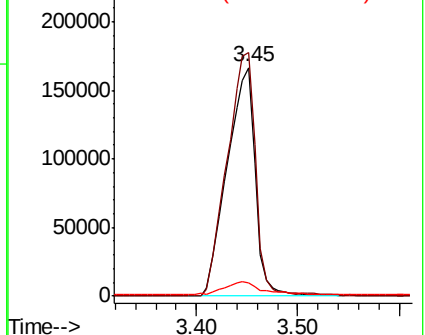
44 6.0 6.0 9.0

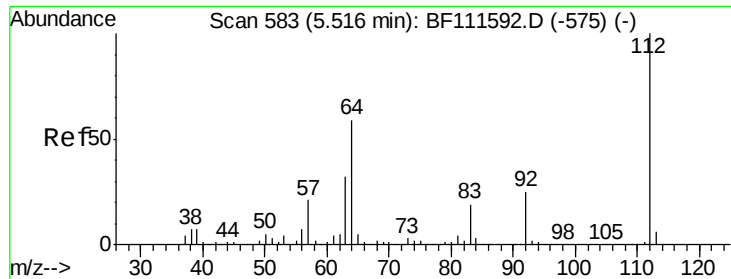


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1

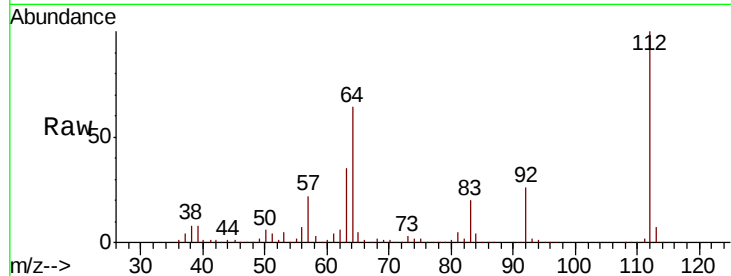




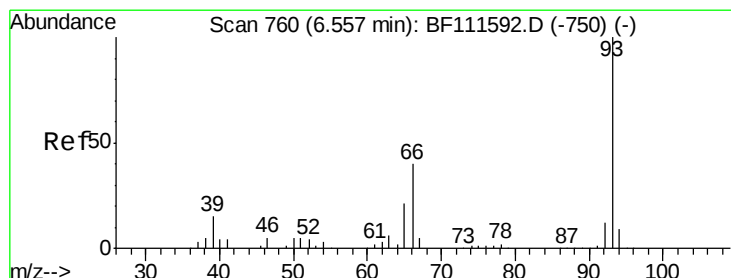
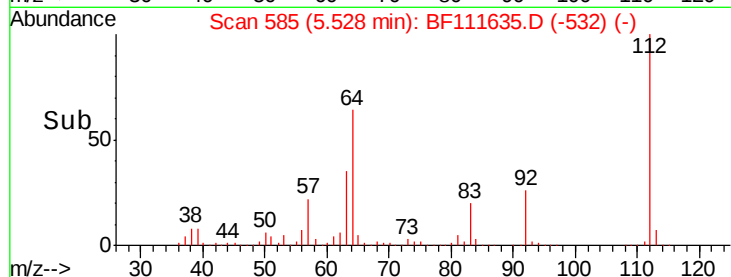
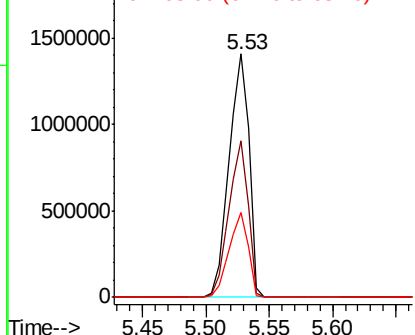
#5
 2-Fluorophenol
 Concen: 132.949 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

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Tgt Ion: 112 Resp: 1519128
 Ion Ratio Lower Upper
 112 100
 64 64.1 51.8 77.6
 63 34.6 26.8 40.2

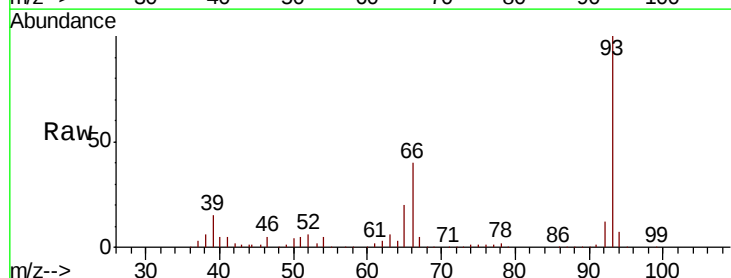


Abundance Ion 112.00 (111.70 to 112.70): BF1
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

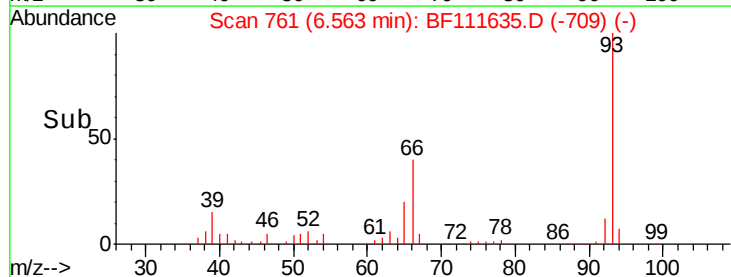
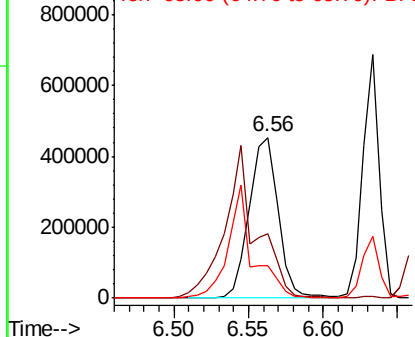


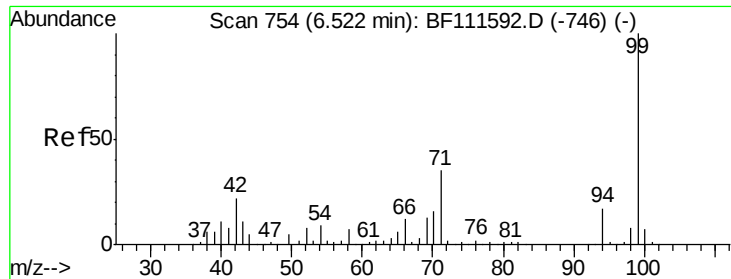
#6
 Aniline
 Concen: 32.875 ng
 RT: 6.56 min Scan# 761
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion: 93 Resp: 609377
 Ion Ratio Lower Upper
 93 100
 66 39.7 33.2 49.8
 65 20.3 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: 136.089 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111635.D

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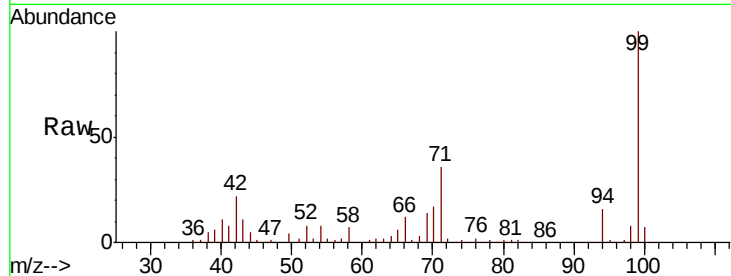
Tgt Ion: 99 Resp: 1978977

Ion Ratio Lower Upper

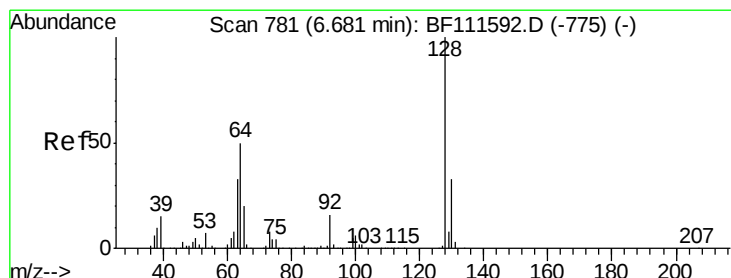
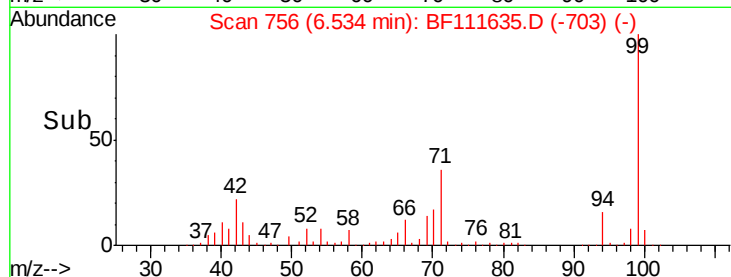
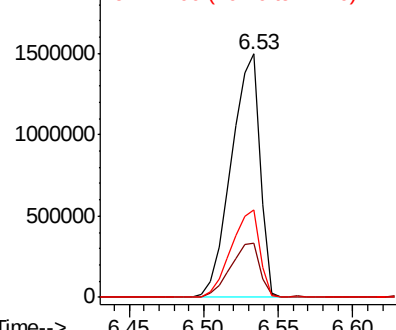
99 100

42 22.2 17.4 26.0

71 35.8 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: 44.966 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

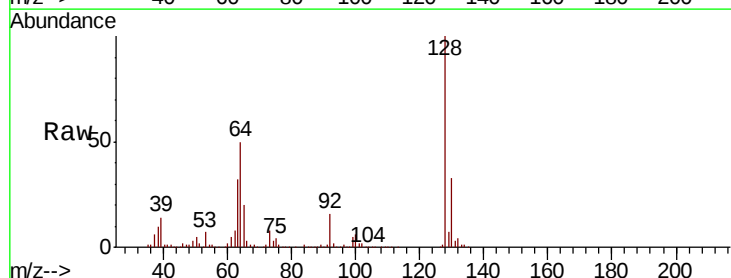
Tgt Ion: 128 Resp: 569165

Ion Ratio Lower Upper

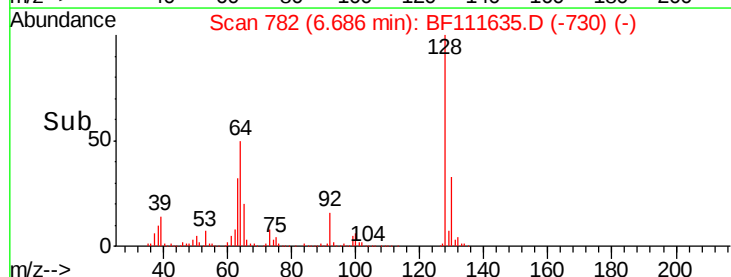
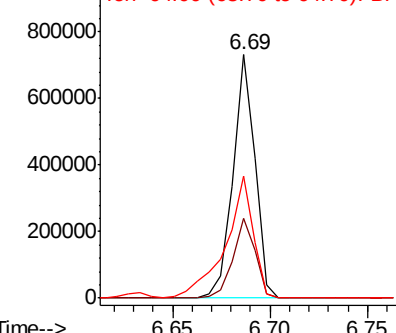
128 100

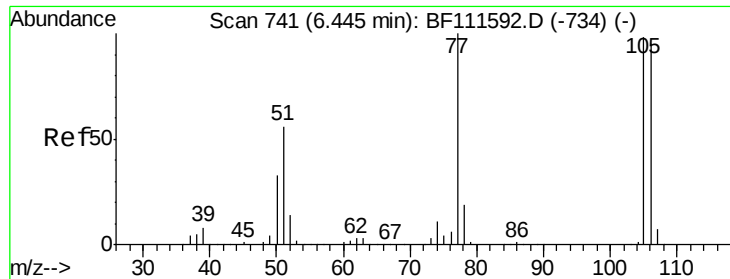
130 32.7 12.7 52.7

64 50.1 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: 42.925 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

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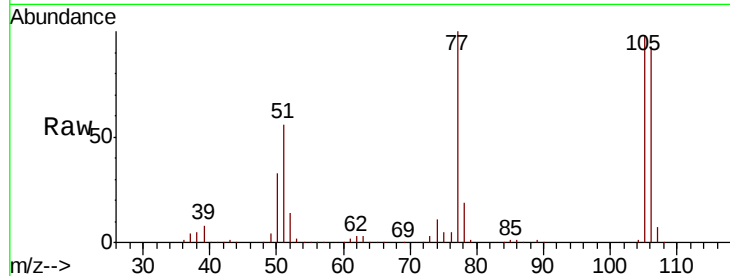
Tgt Ion: 77 Resp: 429307

Ion Ratio Lower Upper

77 100

105 98.1 81.4 121.4

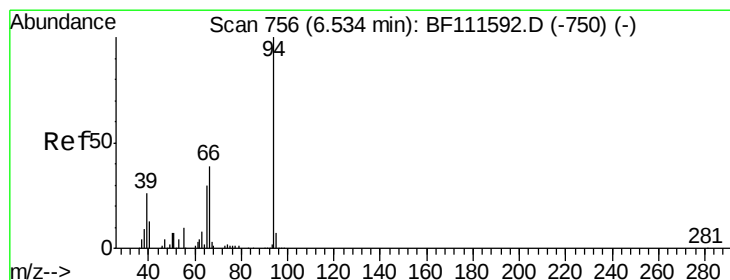
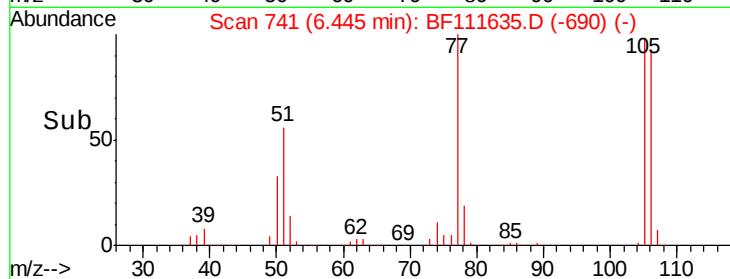
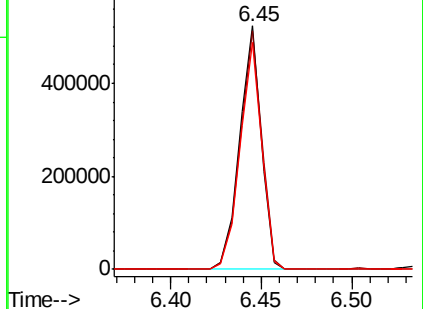
106 93.0 77.9 117.9



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 48.737 ng

RT: 6.55 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

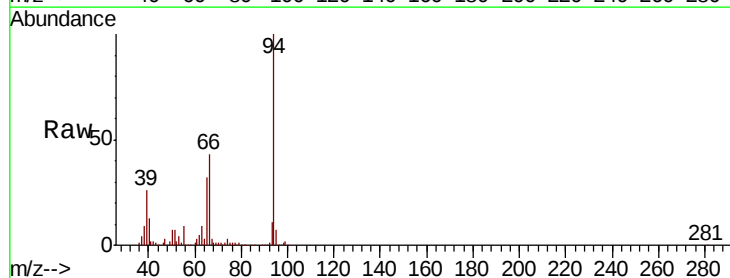
Tgt Ion: 94 Resp: 799655

Ion Ratio Lower Upper

94 100

65 32.0 11.7 51.7

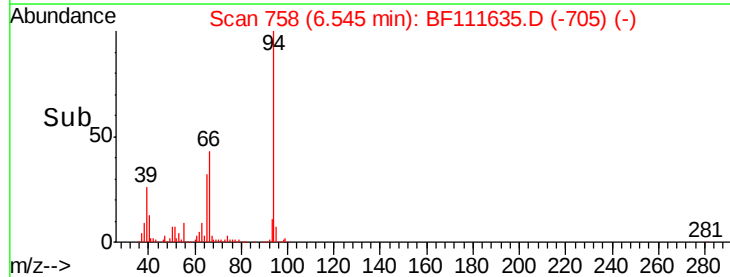
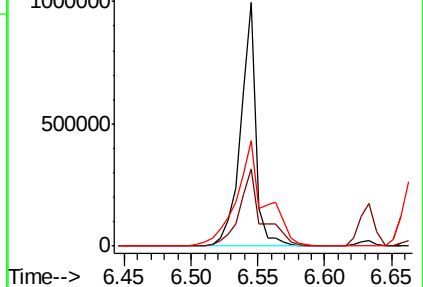
66 43.3 21.0 61.0



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



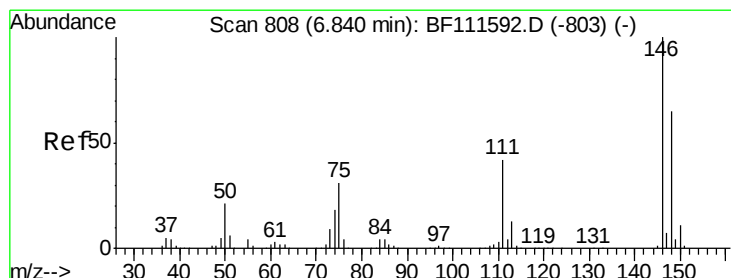
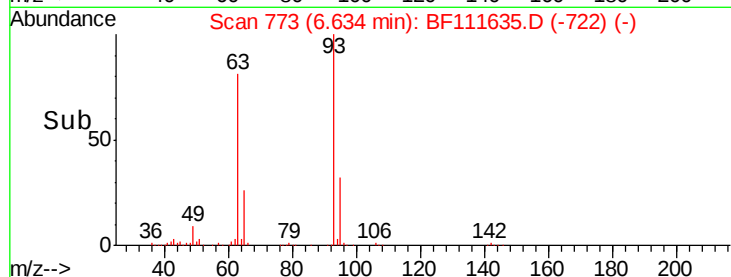
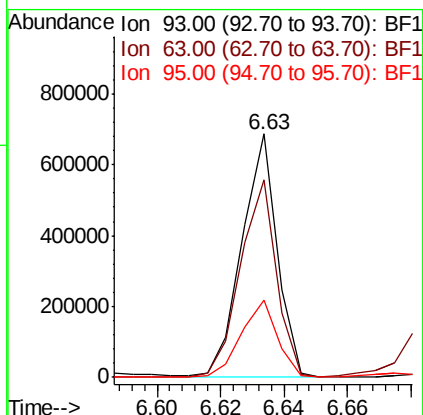
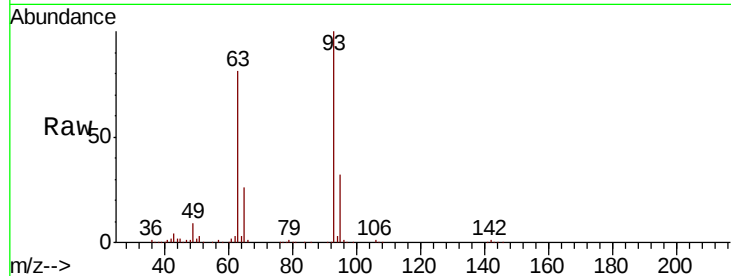


#11
bis(2-Chloroethyl)ether
Concen: 43.036 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tgt Ion: 93 Resp: 529130

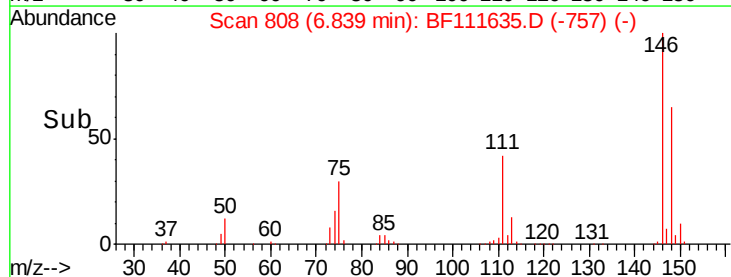
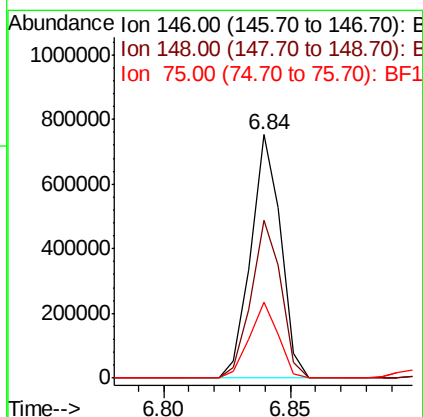
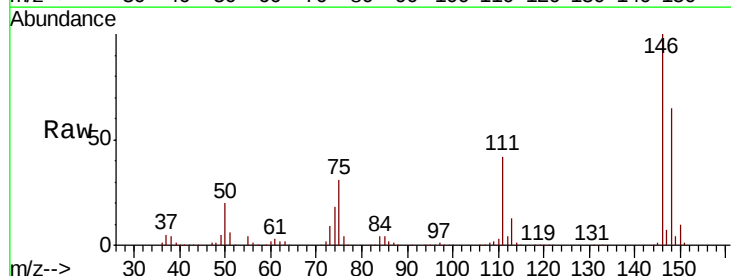
Ion	Ratio	Lower	Upper
93	100		
63	81.2	60.0	100.0
95	31.7	13.4	53.4

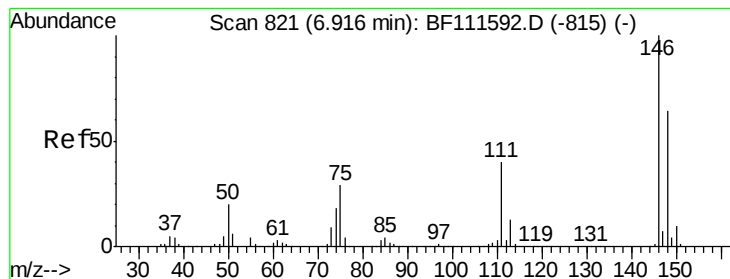


#12
1,3-Dichlorobenzene
Concen: 42.025 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion: 146 Resp: 616458

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.1	78.1
75	31.0	23.9	35.9

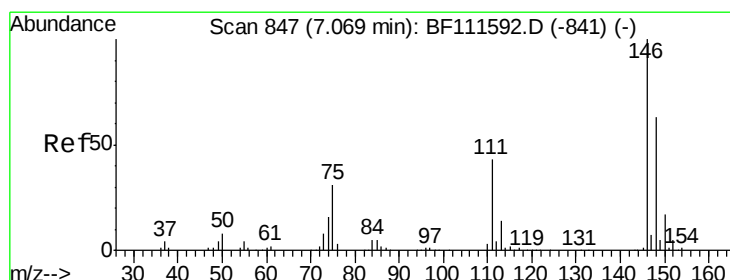
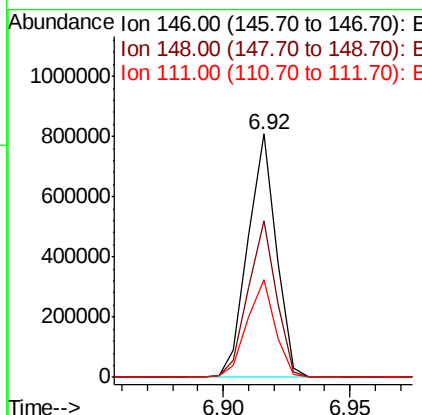
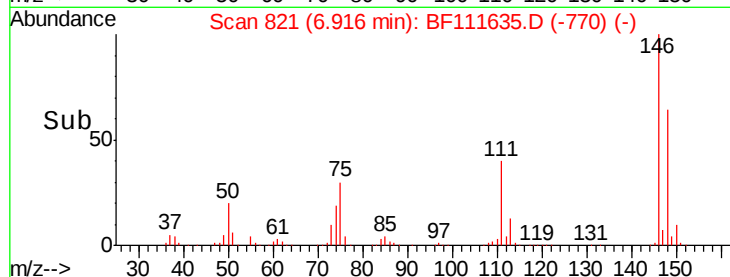
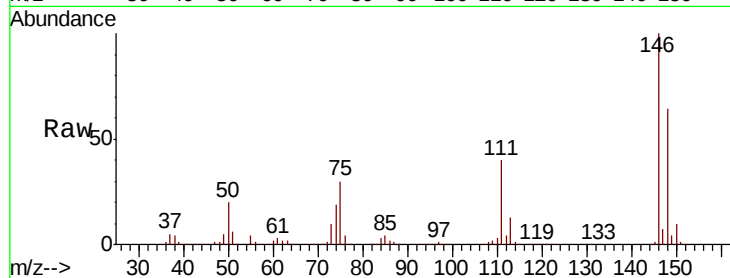




#13
 1,4-Dichlorobenzene
 Concen: 42.491 ng
 RT: 6.92 min Scan# 821
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

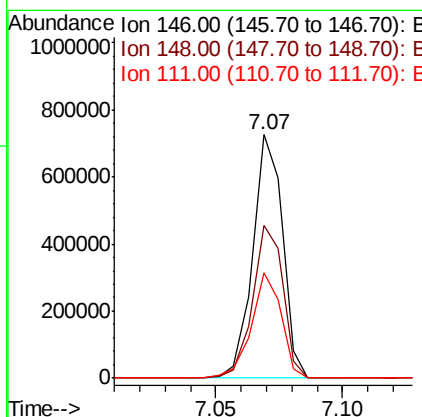
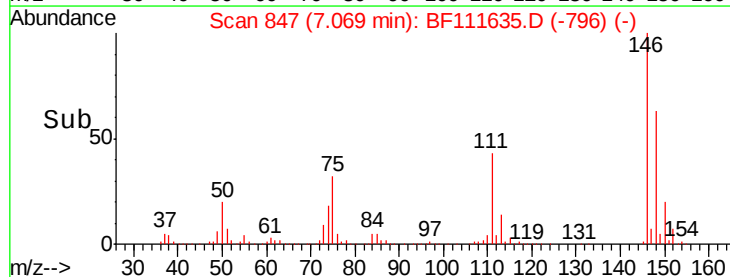
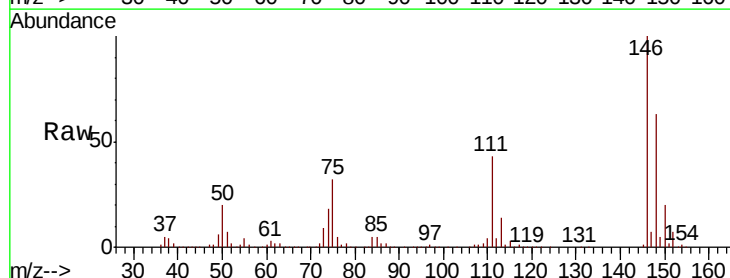
Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

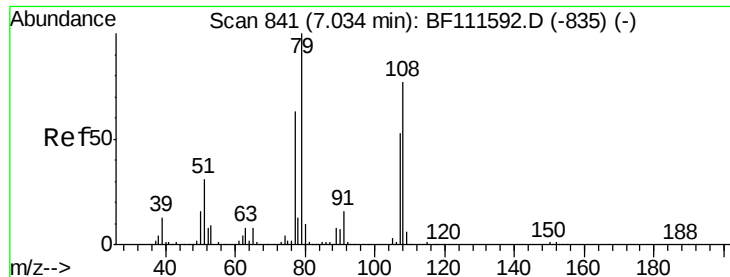
Tgt Ion:146 Resp: 632119
 Ion Ratio Lower Upper
 146 100
 148 64.1 52.8 79.2
 111 40.0 33.4 50.0



#14
 1,2-Dichlorobenzene
 Concen: 42.902 ng
 RT: 7.07 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion:146 Resp: 595467
 Ion Ratio Lower Upper
 146 100
 148 62.5 51.9 77.9
 111 43.4 36.2 54.4





#15

Benzyl Alcohol

Concen: 45.434 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

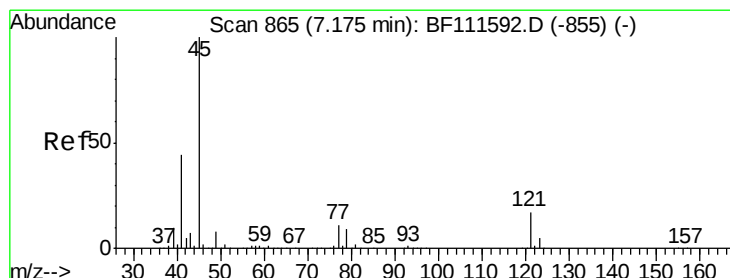
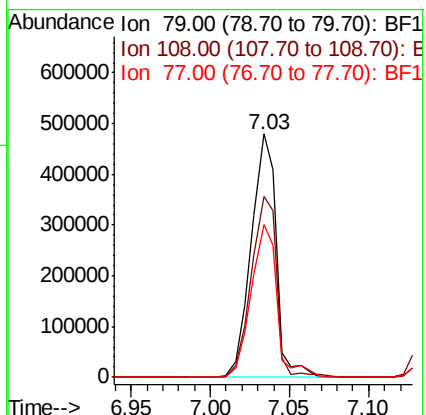
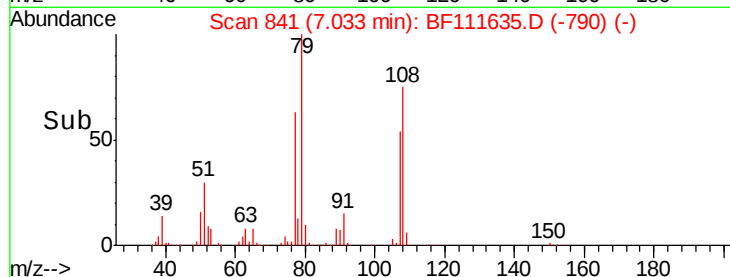
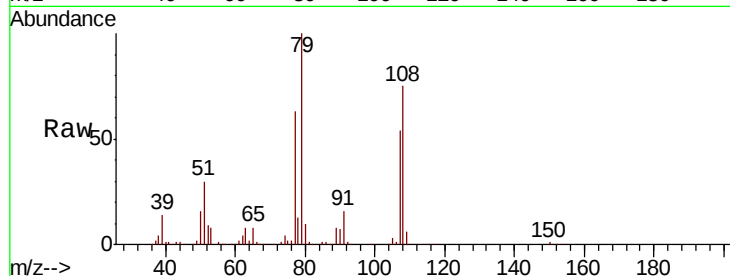
Tgt Ion: 79 Resp: 524718

Ion Ratio Lower Upper

79 100

108 74.5 69.4 104.2

77 62.6 49.7 74.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.341 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

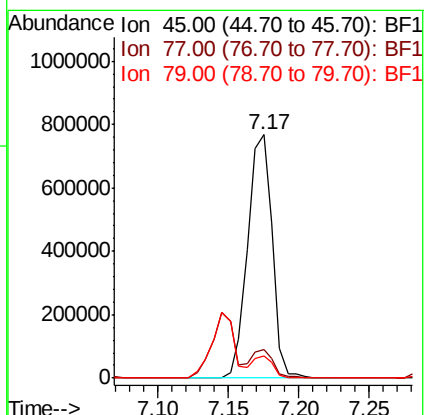
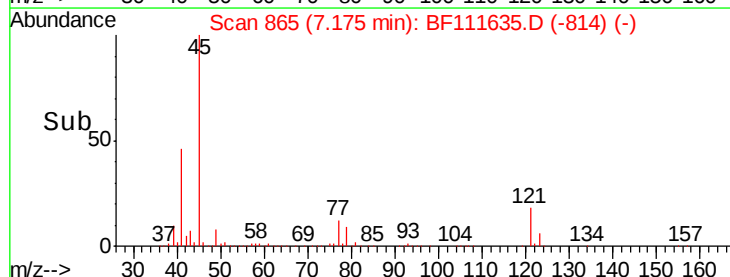
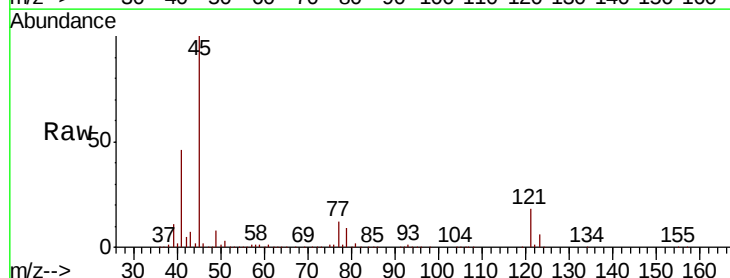
Tgt Ion: 45 Resp: 936154

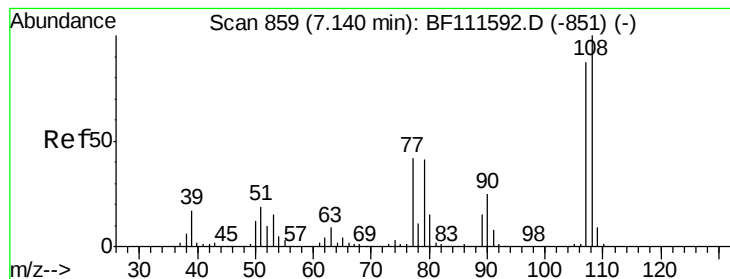
Ion Ratio Lower Upper

45 100

77 12.0 0.0 31.5

79 9.1 0.0 28.9





#17

2-Methylphenol

Concen: 46.449 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tgt Ion:107 Resp: 470769

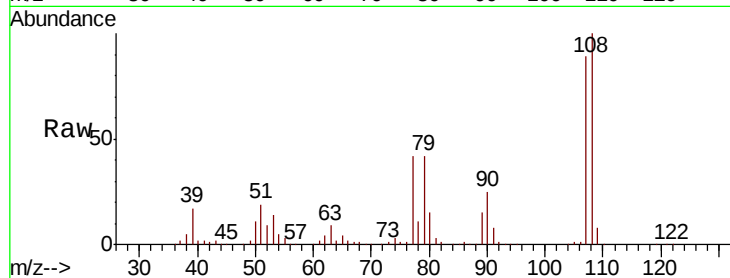
Ion Ratio Lower Upper

107 100

108 112.2 91.0 136.4

77 46.9 33.5 50.3

79 47.1 33.3 49.9



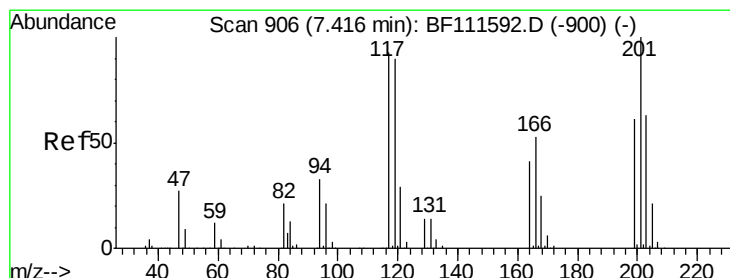
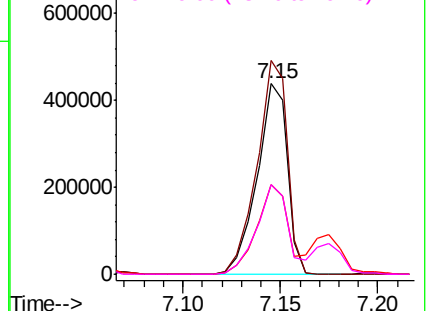
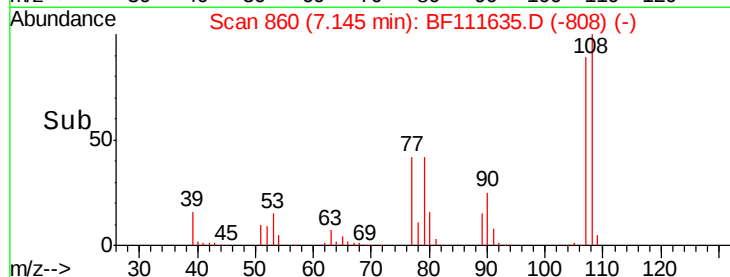
Abundance

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: 42.917 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

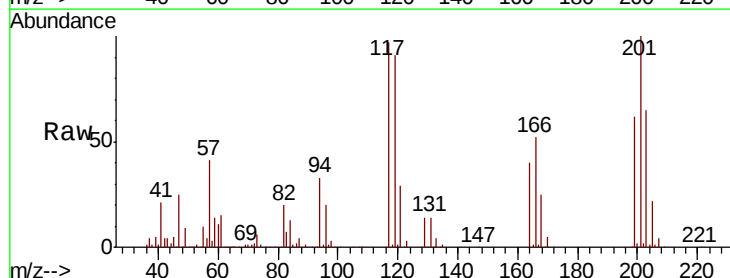
Tgt Ion:117 Resp: 215148

Ion Ratio Lower Upper

117 100

119 93.8 75.4 113.0

201 103.4 62.4 93.6#

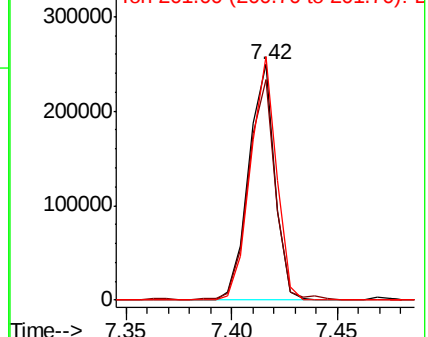
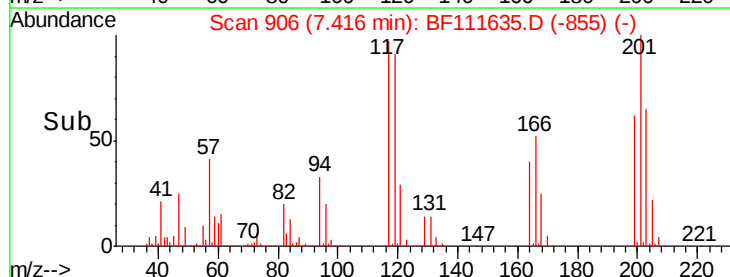


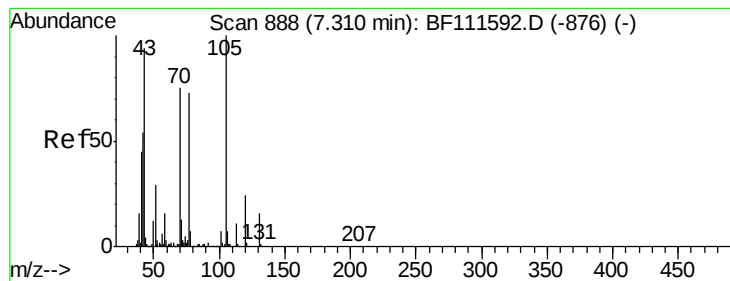
Abundance

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: 42.902 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tgt Ion: 70 Resp: 414325

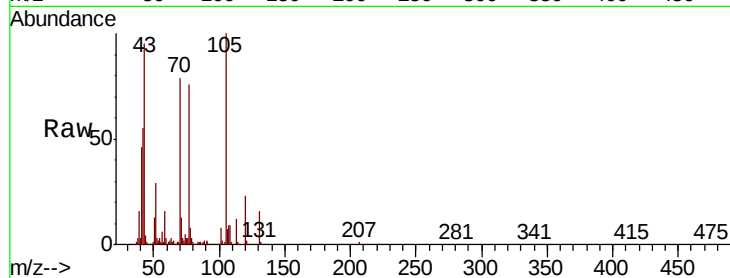
Ion Ratio Lower Upper

70 100

42 69.0 53.2 79.8

101 9.7 8.2 12.4

130 20.4 18.1 27.1

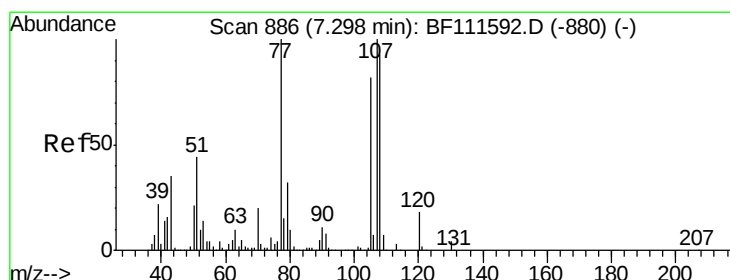
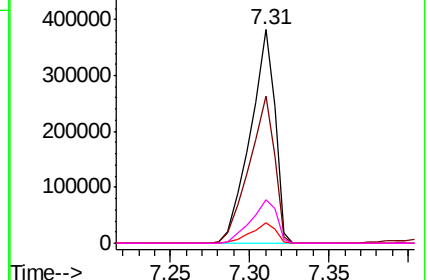
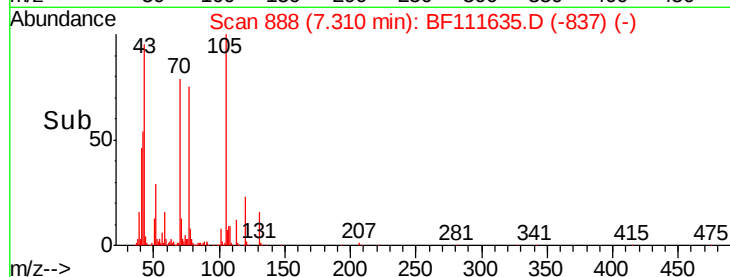


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20

3+4-Methylphenols

Concen: 45.492 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Tgt Ion: 107 Resp: 582601

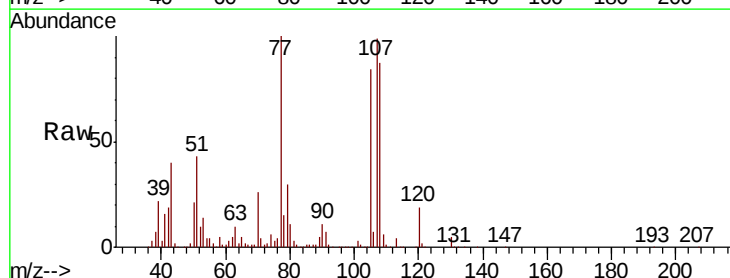
Ion Ratio Lower Upper

107 100

108 88.0 72.1 112.1

77 100.7 94.1 134.1

79 30.0 9.8 49.8

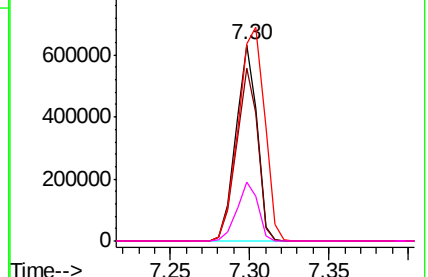
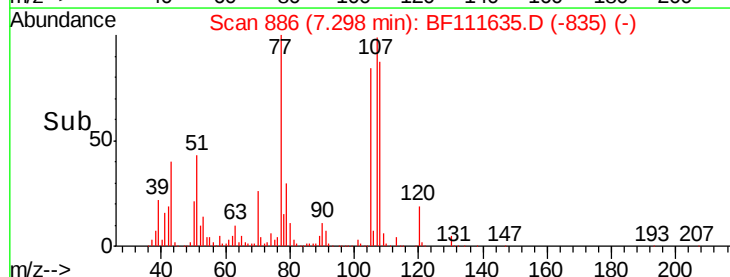


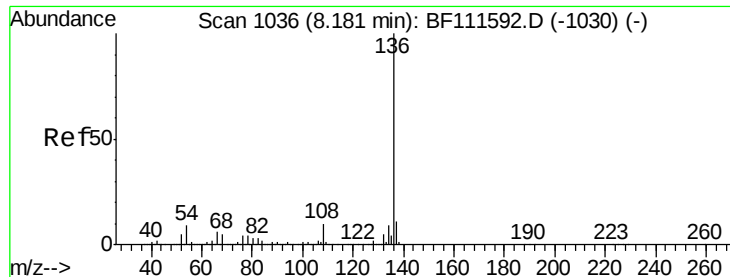
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

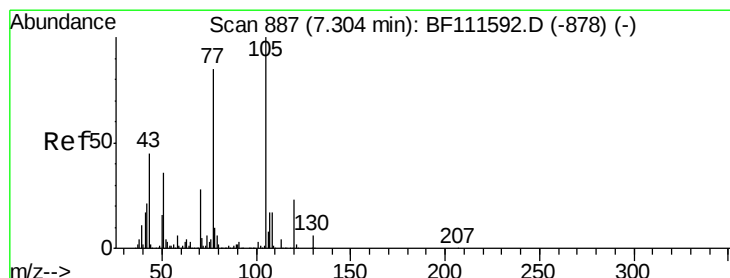
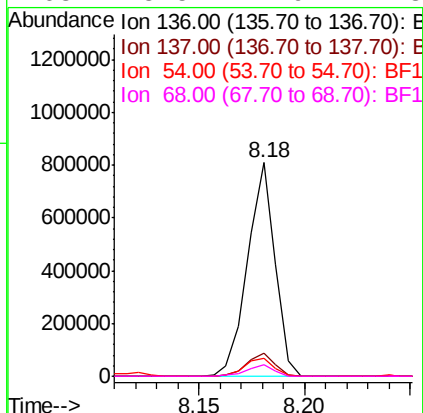
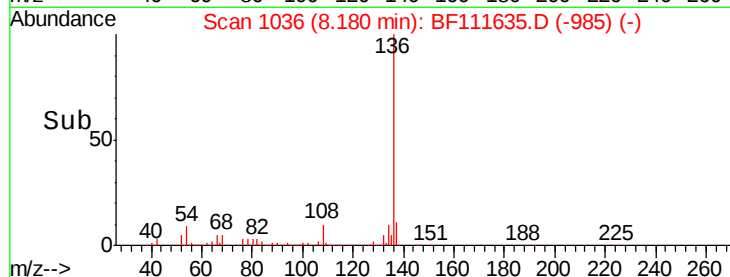
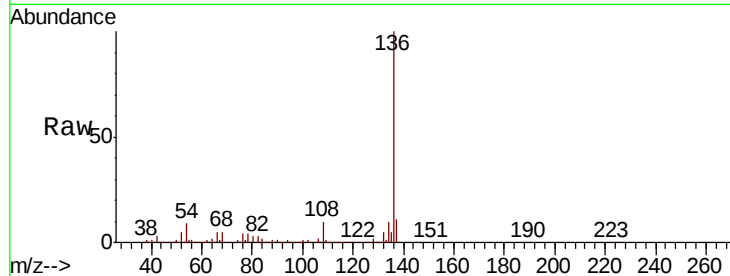




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

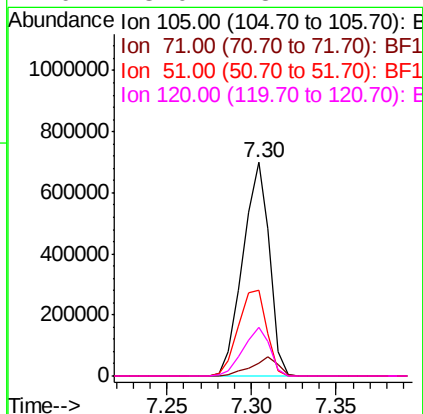
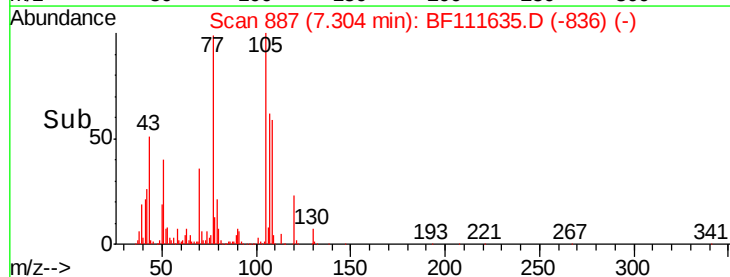
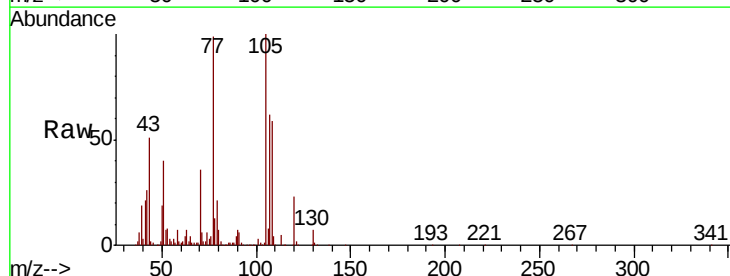
Instrument :
BNA_F
ClientSampleId :
VB-1MS

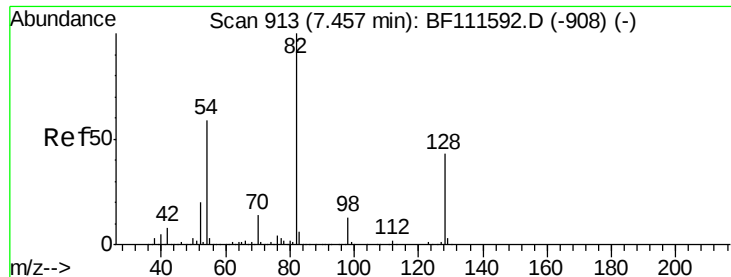
Tgt Ion:	136	Resp:	729065
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	8.7	7.7	11.5
68	5.5	4.9	7.3



#22
Acetophenone
Concen: 41.571 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:	105	Resp:	767819
Ion	Ratio	Lower	Upper
105	100		
71	5.9	3.1	4.7#
51	40.2	36.6	54.8
120	23.0	18.2	27.4

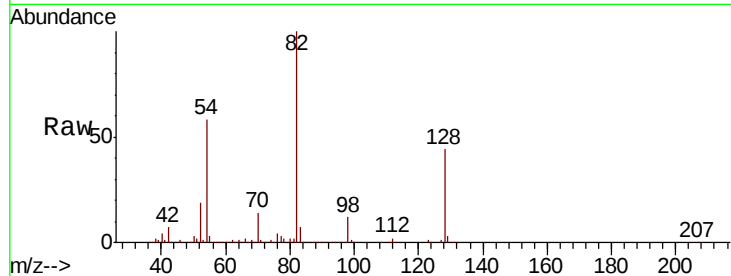




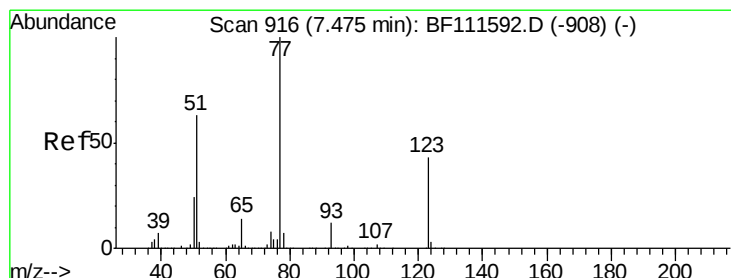
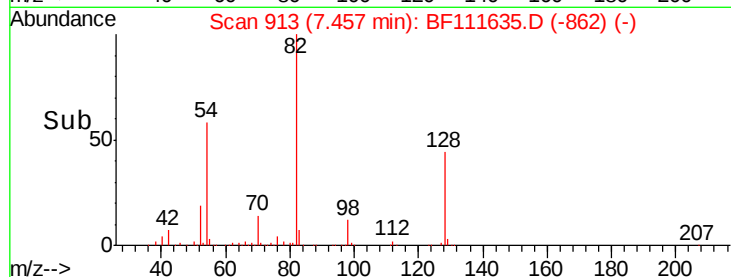
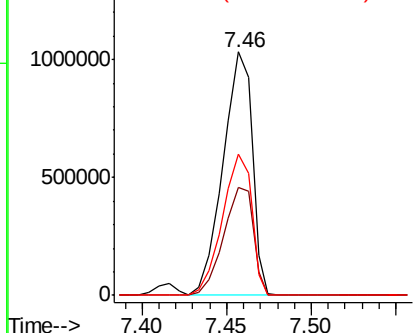
#23
 Nitrobenzene-d5
 Concen: 99.017 ng
 RT: 7.46 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tgt Ion: 82 Resp: 1240210
 Ion Ratio Lower Upper
 82 100
 128 44.1 37.4 56.2
 54 57.9 47.6 71.4

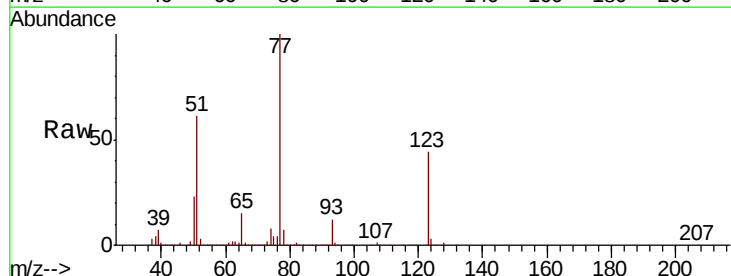


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

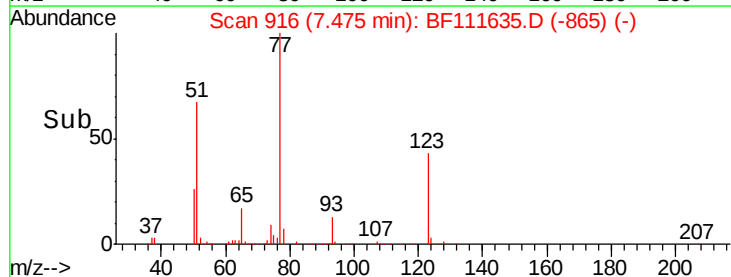
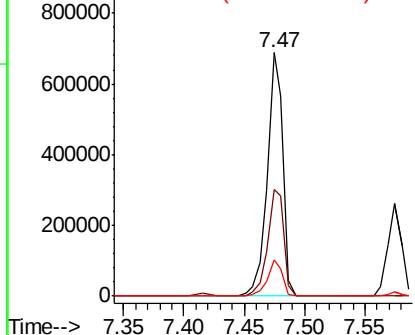


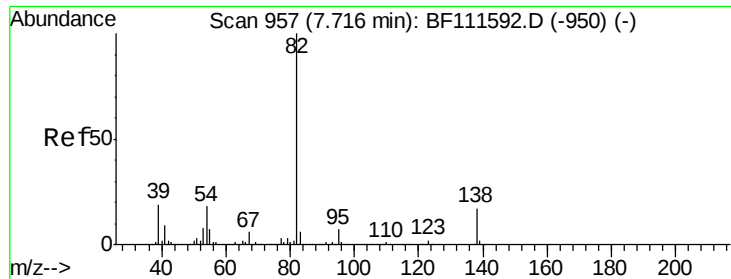
#24
 Nitrobenzene
 Concen: 46.736 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion: 77 Resp: 613531
 Ion Ratio Lower Upper
 77 100
 123 44.0 37.2 55.8
 65 14.7 11.5 17.3



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1

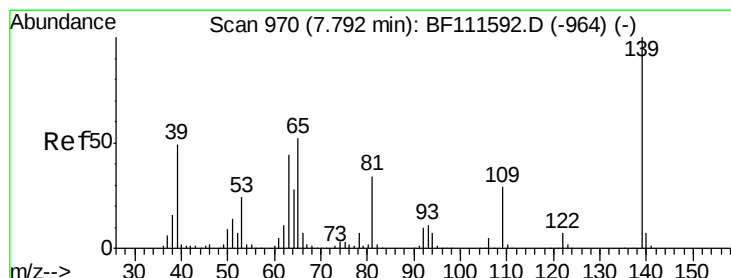
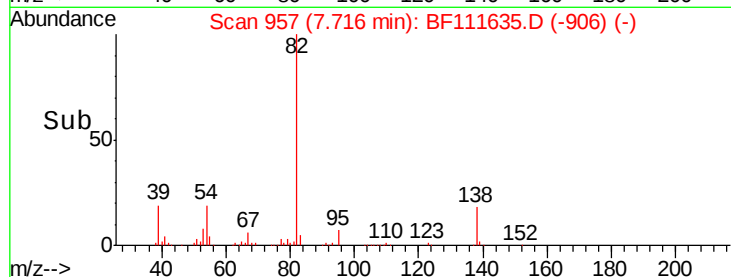
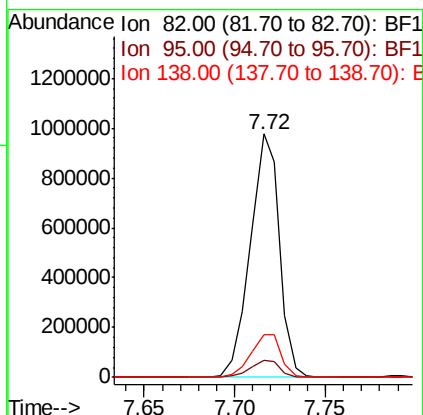
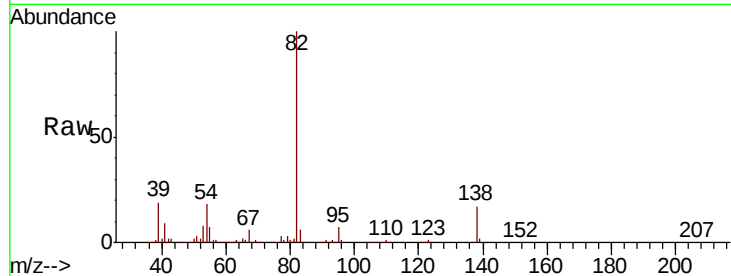




#25
Isophorone
Concen: 49.109 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

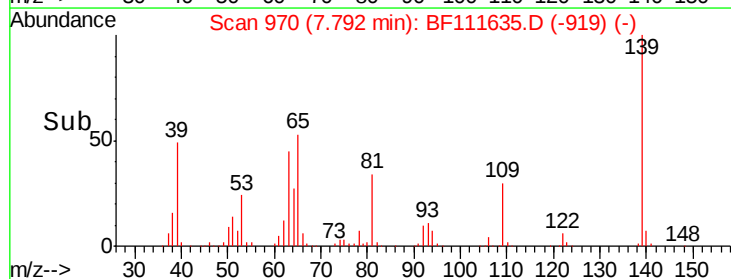
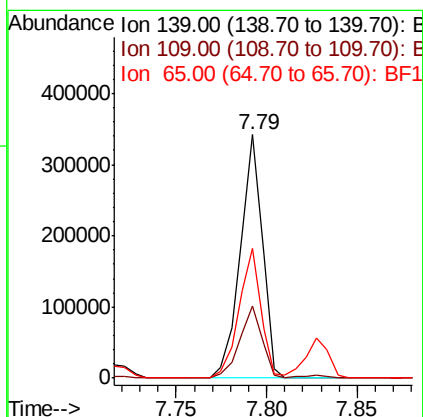
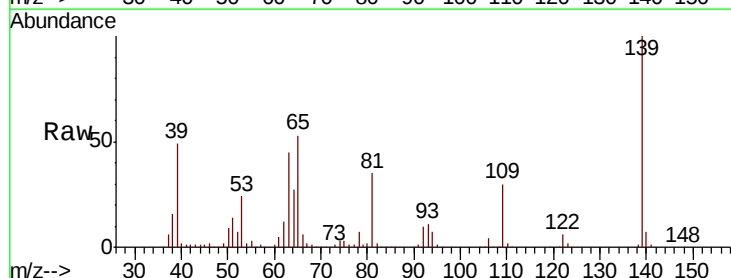
Instrument :
BNA_F
ClientSampleId :
VB-1MS

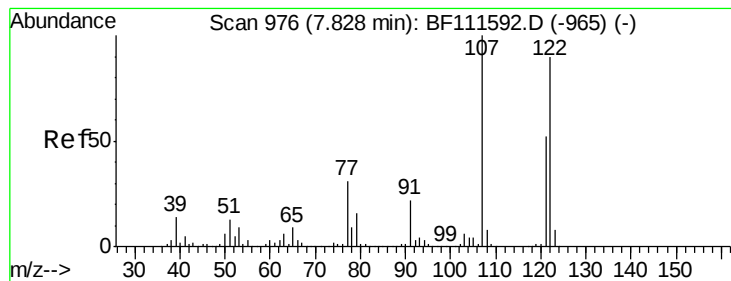
Tgt Ion: 82 Resp: 1091968
Ion Ratio Lower Upper
82 100
95 7.2 5.4 8.2
138 17.5 15.1 22.7



#26
2-Nitrophenol
Concen: 54.495 ng
RT: 7.79 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion: 139 Resp: 290137
Ion Ratio Lower Upper
139 100
109 29.6 20.2 30.4
65 53.2 40.7 61.1





#27

2,4-Dimethylphenol

Concen: 47.554 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

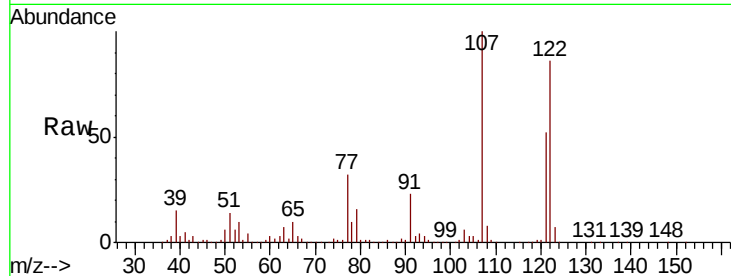
Tgt Ion:122 Resp: 499091

Ion Ratio Lower Upper

122 100

107 115.8 85.5 128.3

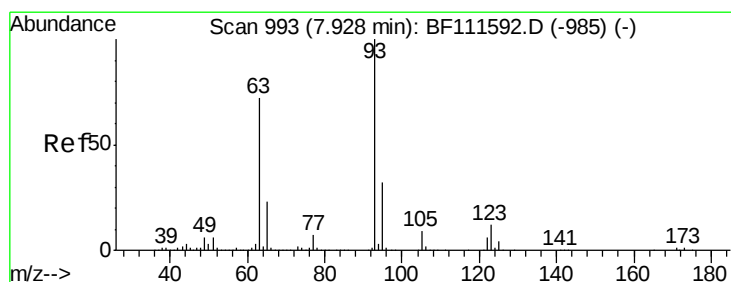
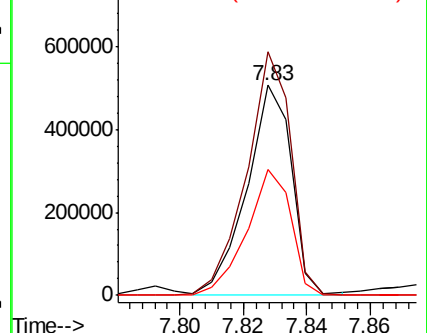
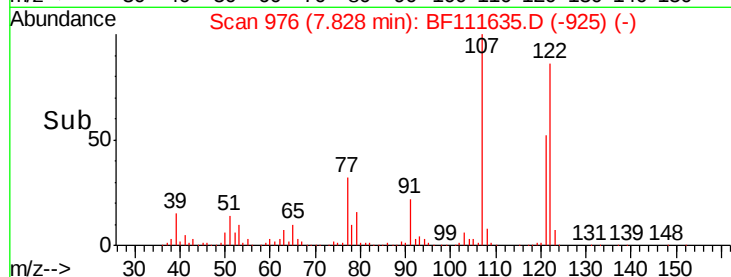
121 60.1 46.6 70.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 45.077 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

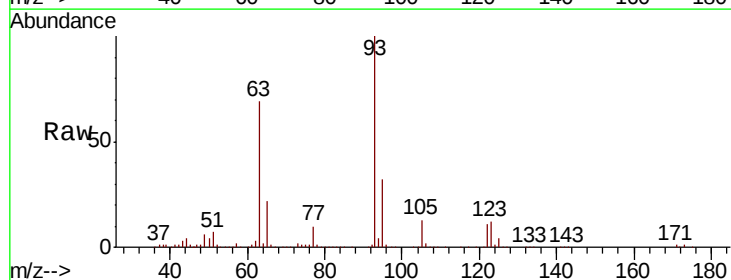
Tgt Ion: 93 Resp: 666991

Ion Ratio Lower Upper

93 100

95 32.3 27.1 40.7

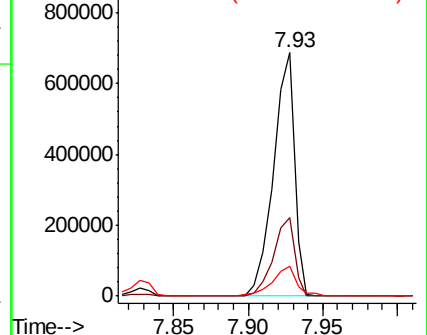
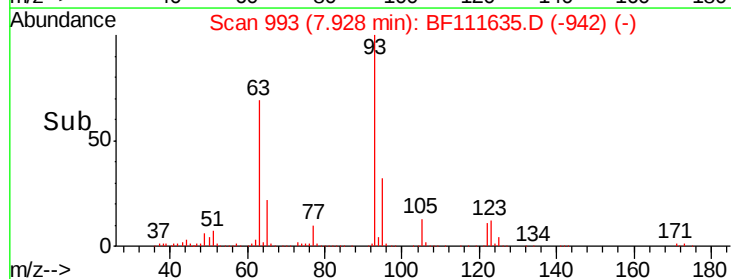
123 12.5 9.9 14.9

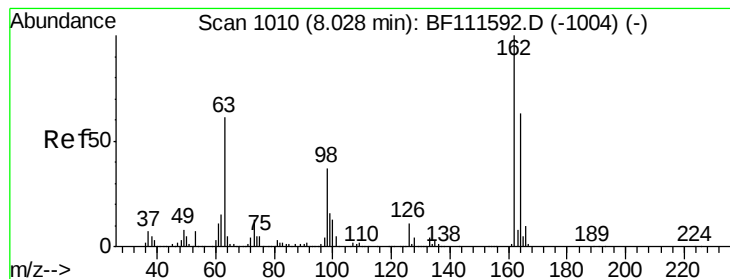


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 45.469 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

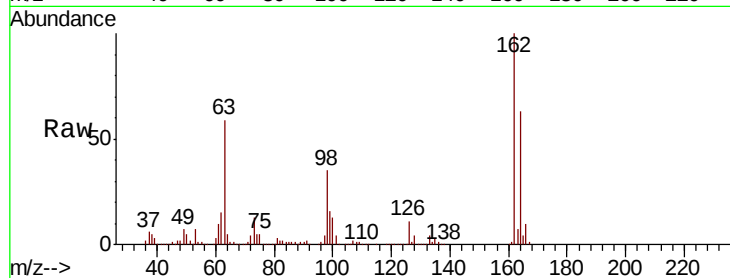
Tgt Ion:162 Resp: 513290

Ion Ratio Lower Upper

162 100

164 63.2 44.4 84.4

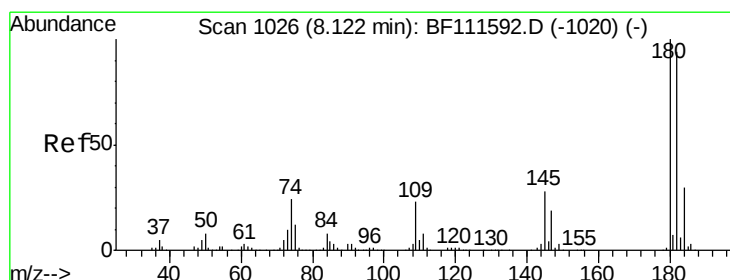
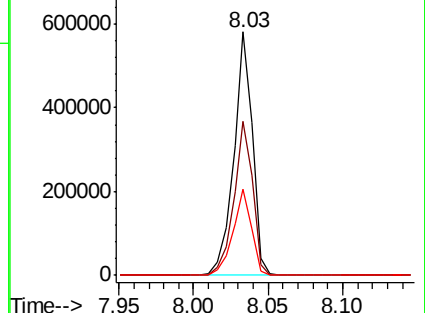
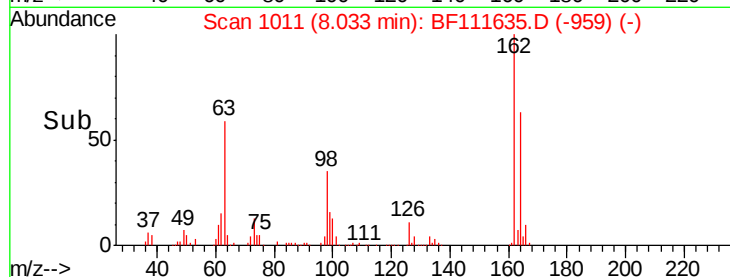
98 35.3 20.3 60.3



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: 41.916 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

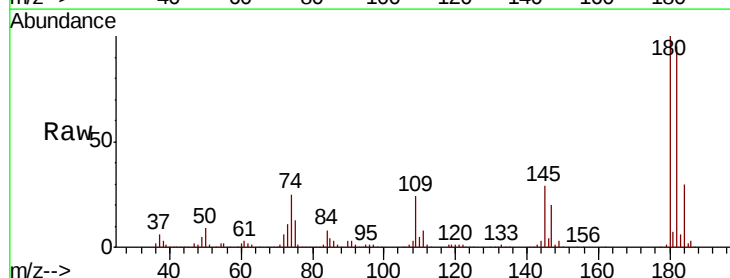
Tgt Ion:180 Resp: 527281

Ion Ratio Lower Upper

180 100

182 94.8 75.6 113.4

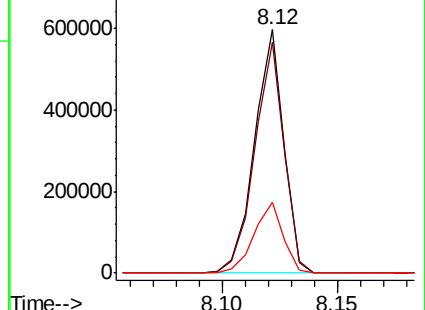
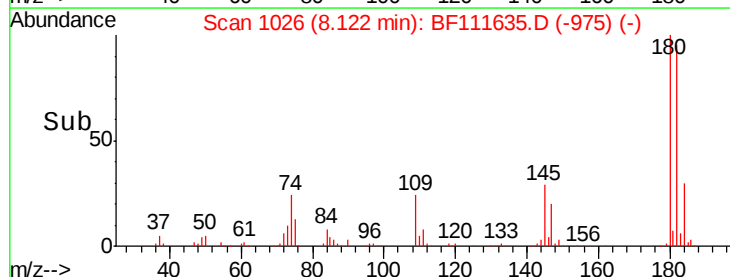
145 29.3 26.7 40.1

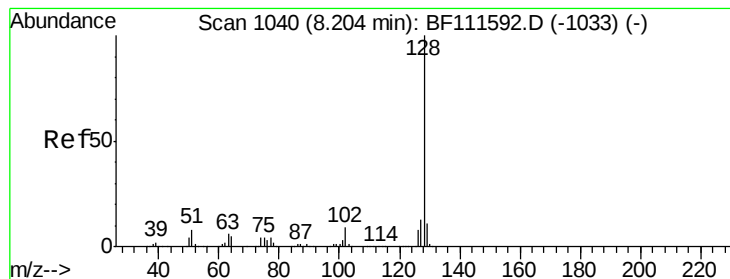


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 46.283 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

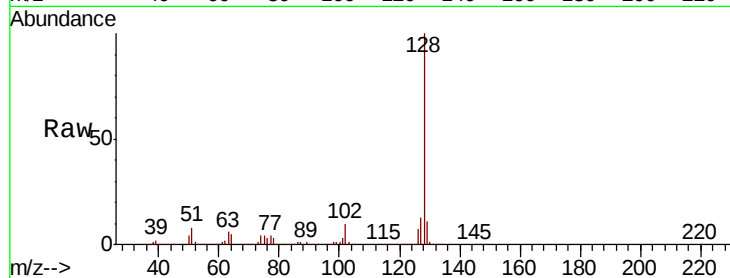
Tgt Ion:128 Resp: 1621315

Ion Ratio Lower Upper

128 100

129 11.3 9.8 14.8

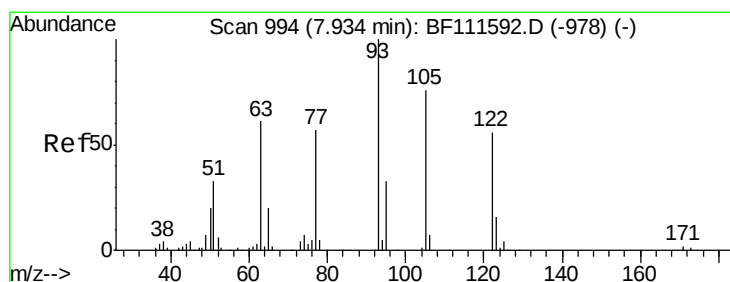
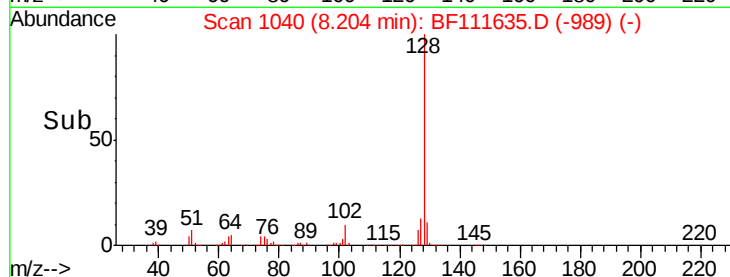
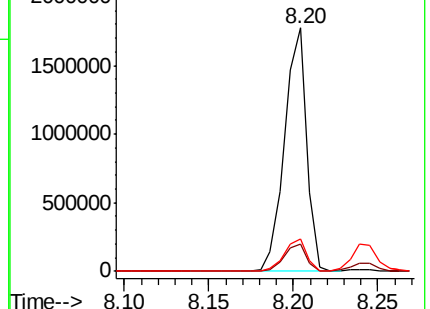
127 13.5 12.0 18.0



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: 42.793 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

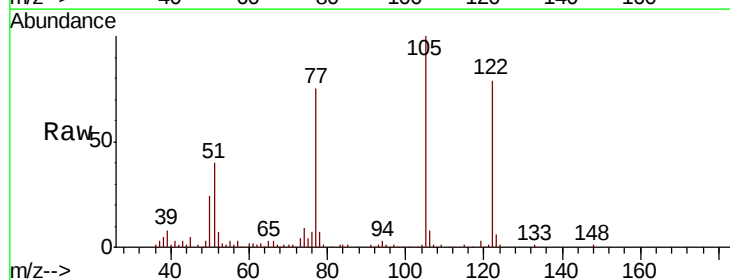
Tgt Ion:122 Resp: 296953

Ion Ratio Lower Upper

122 100

105 127.3 97.0 137.0

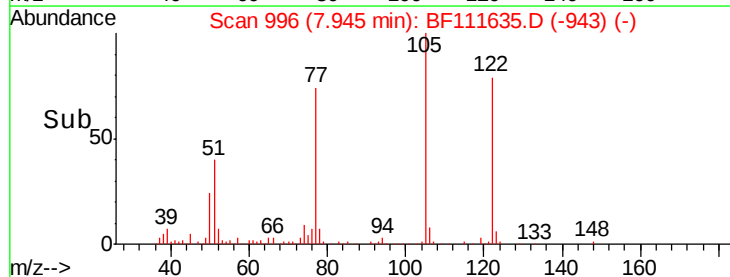
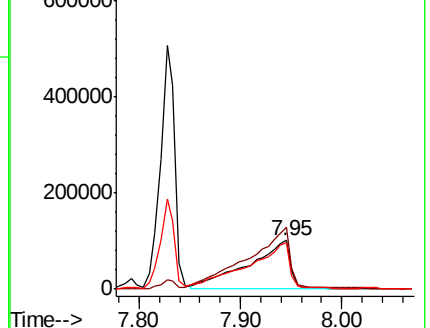
77 95.1 65.7 105.7

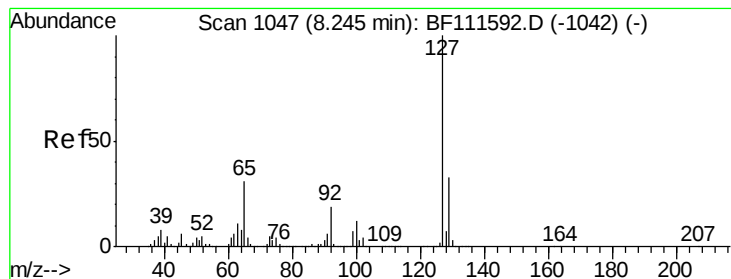


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 14.400 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tgt Ion:127 Resp: 218036

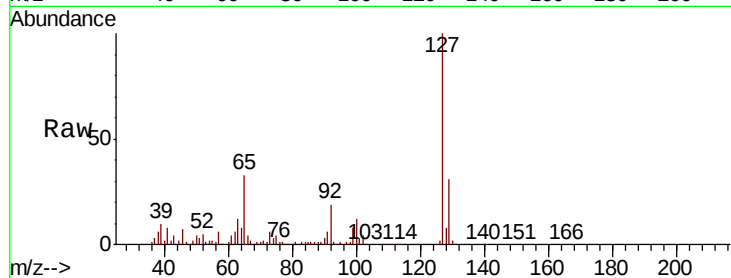
Ion Ratio Lower Upper

127 100

129 30.6 26.6 39.8

65 32.7 25.7 38.5

92 18.8 15.4 23.2

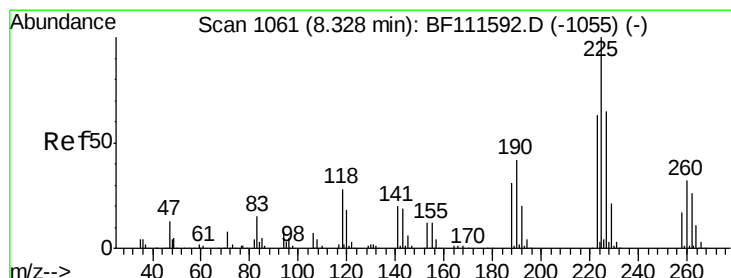
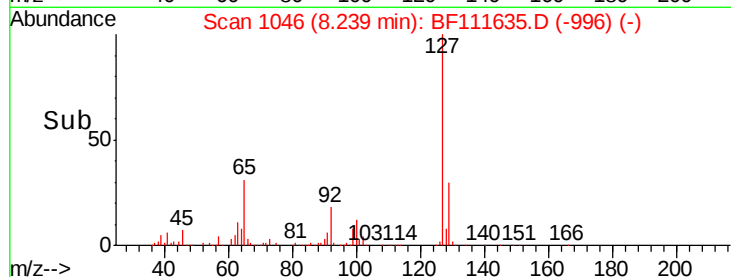
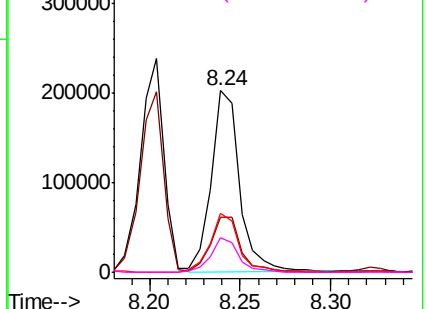


Abundance Ion 127.00 (126.70 to 127.70): E

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: 40.676 ng

RT: 8.33 min Scan# 1061

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

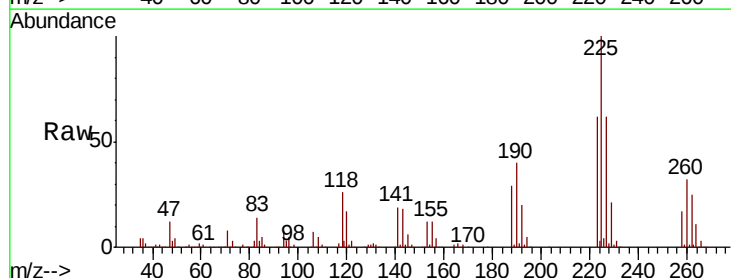
Tgt Ion:225 Resp: 311858

Ion Ratio Lower Upper

225 100

223 61.7 50.7 76.1

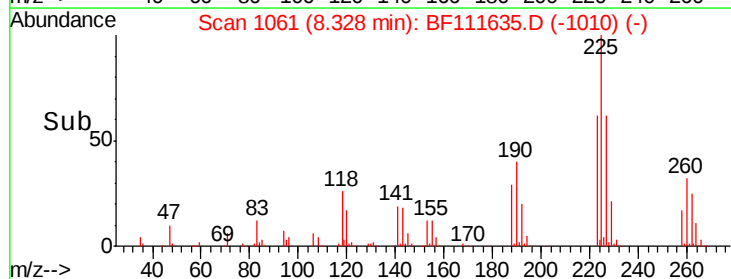
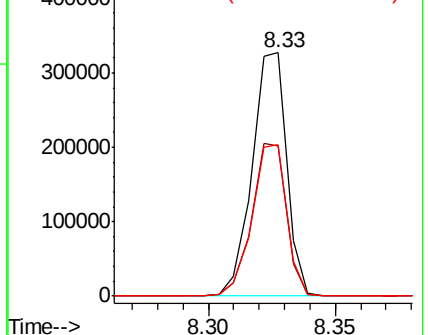
227 62.1 52.6 78.8

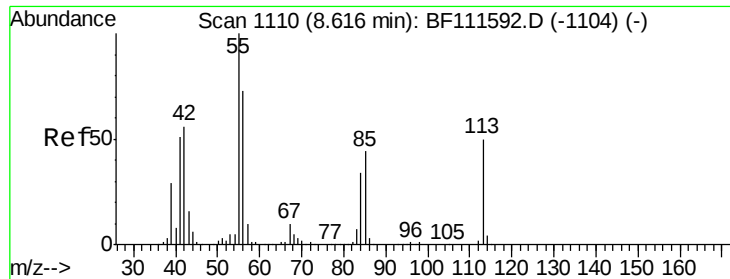


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

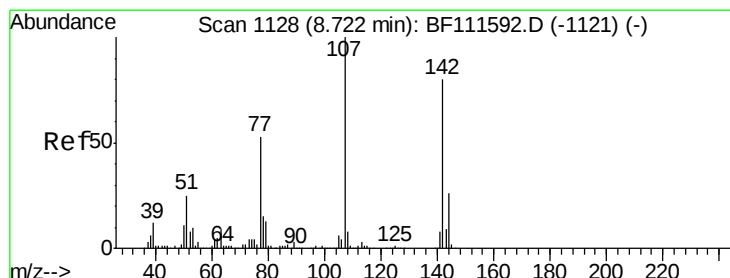
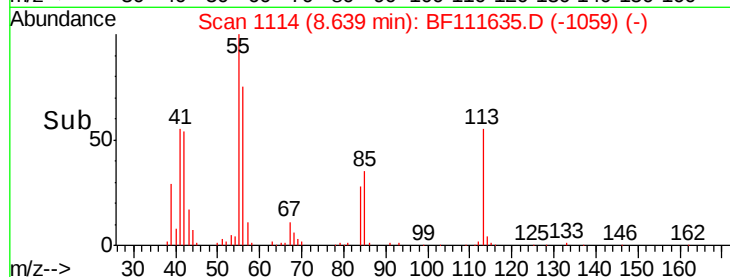
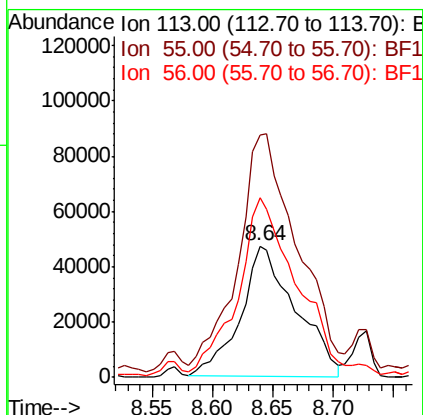
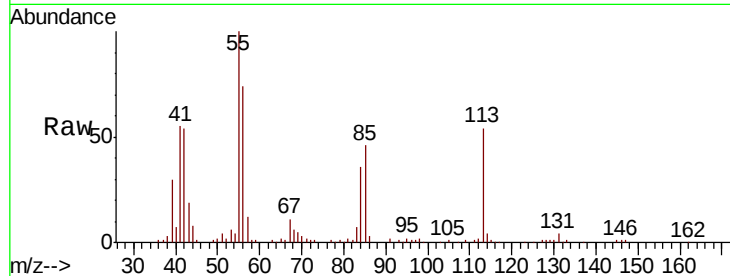




#35
 Caprolactam
 Concen: 39.233 ng
 RT: 8.64 min Scan# 1114
 Delta R.T. 0.02 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

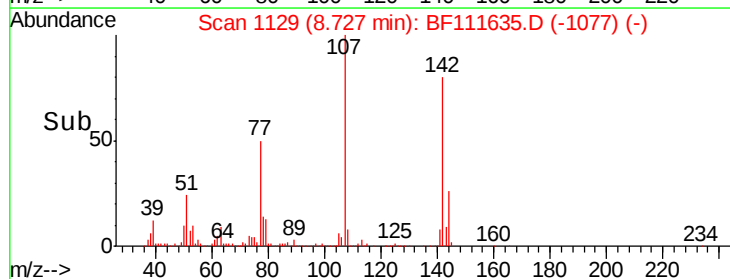
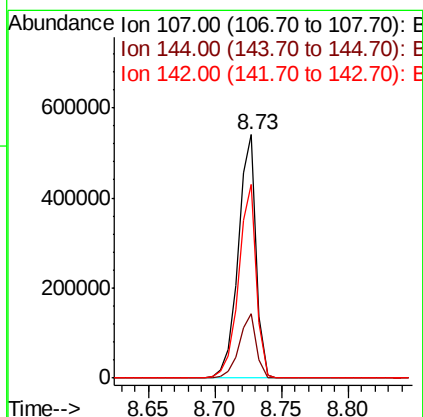
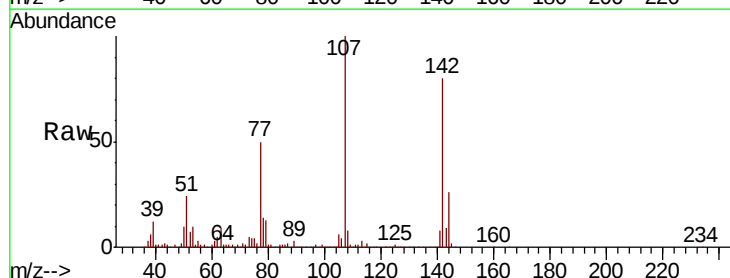
Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

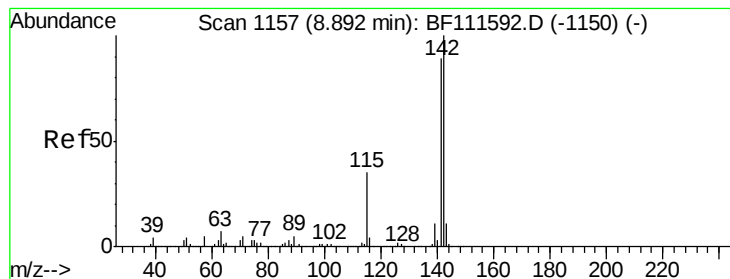
Tgt Ion:113 Resp: 150073
 Ion Ratio Lower Upper
 113 100
 55 185.5 184.1 224.1
 56 137.2 126.0 166.0



#36
 4-Chloro-3-methylphenol
 Concen: 45.713 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion:107 Resp: 507258
 Ion Ratio Lower Upper
 107 100
 144 26.3 19.8 29.6
 142 79.8 62.3 93.5





#37

2-Methylnaphthalene

Concen: 48.178 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

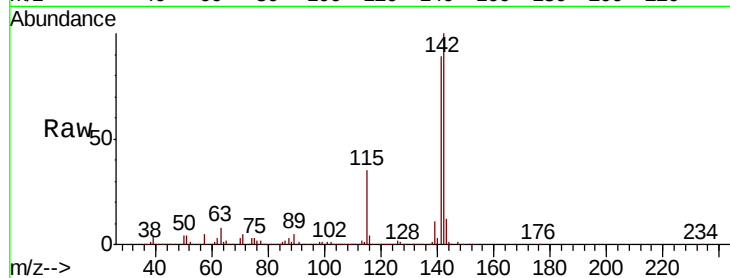
Tgt Ion:142 Resp: 1098019

Ion Ratio Lower Upper

142 100

141 89.2 70.6 105.8

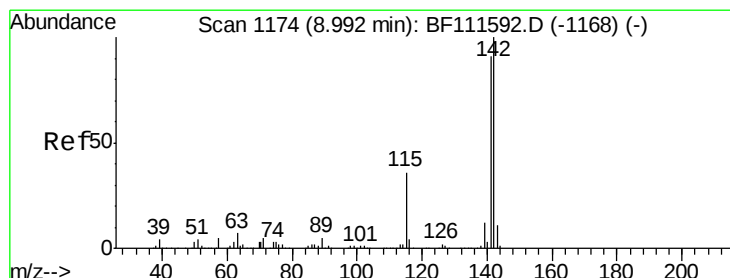
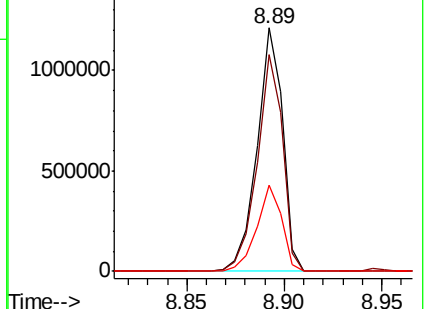
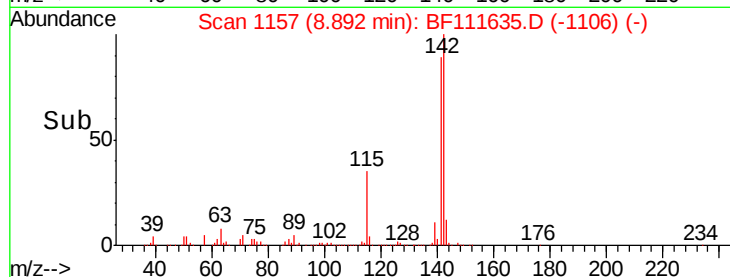
115 35.3 27.0 40.6



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: 46.909 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

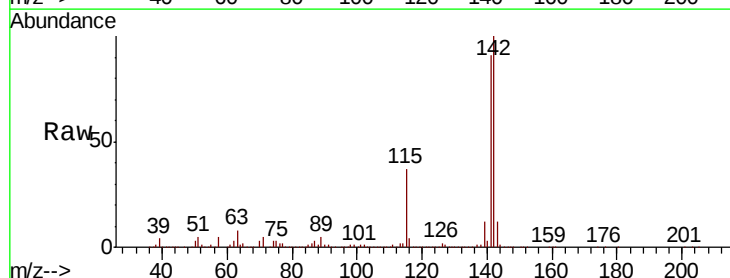
Tgt Ion:142 Resp: 1026778

Ion Ratio Lower Upper

142 100

141 90.8 74.2 111.4

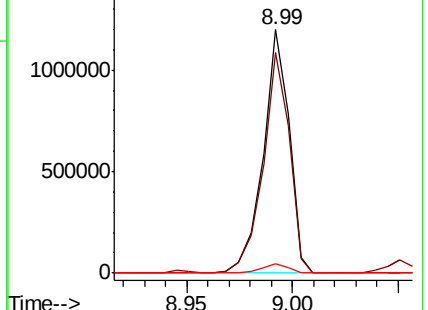
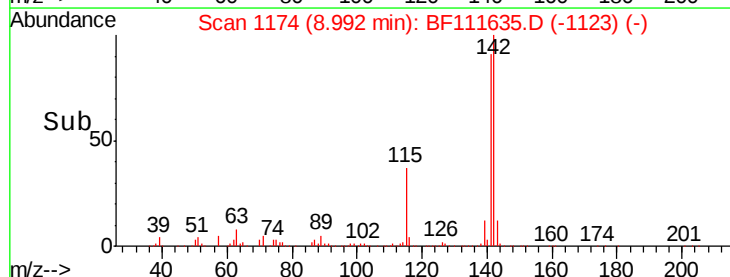
116 3.7 2.9 4.3

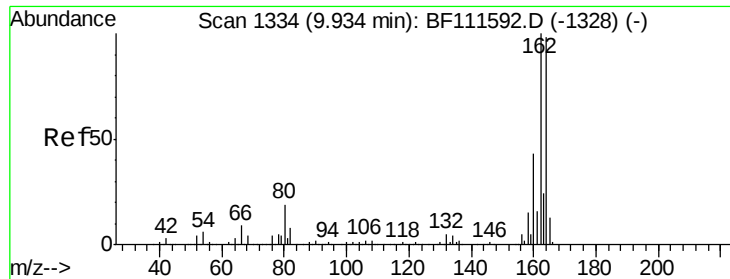


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

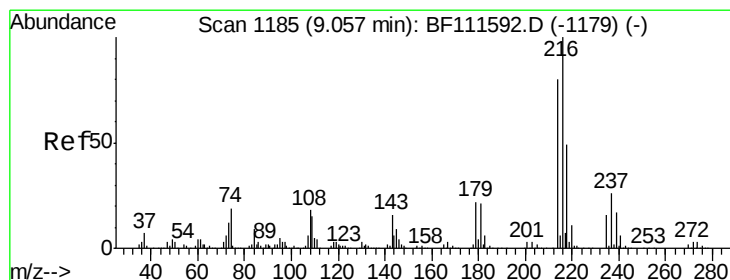
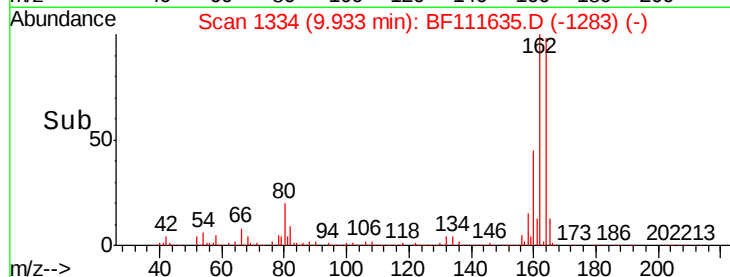
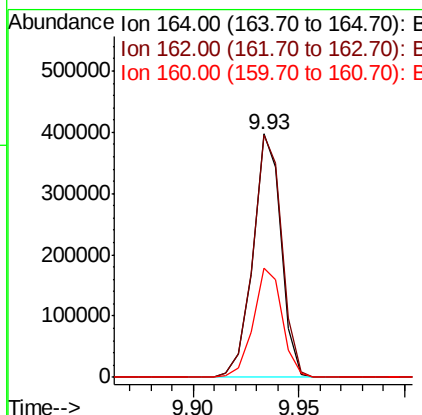
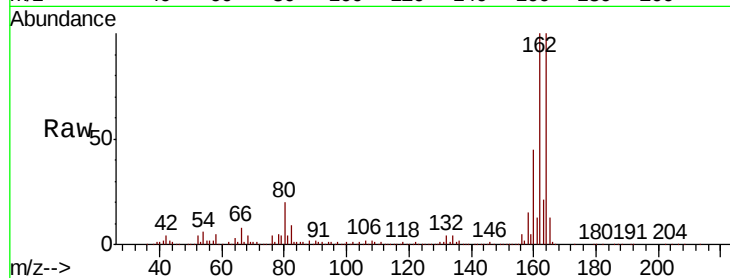




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

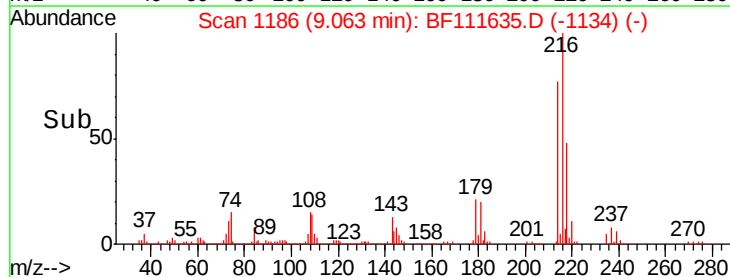
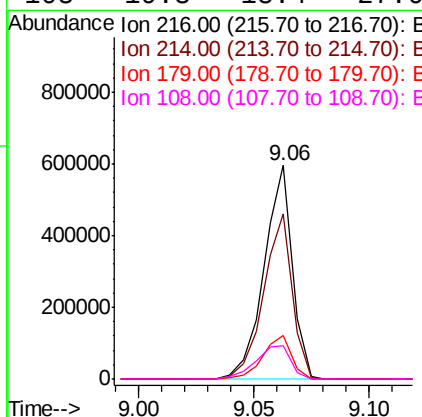
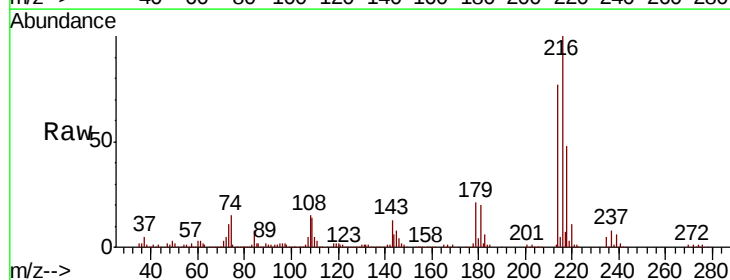
Instrument :
BNA_F
ClientSampleId :
VB-1MS

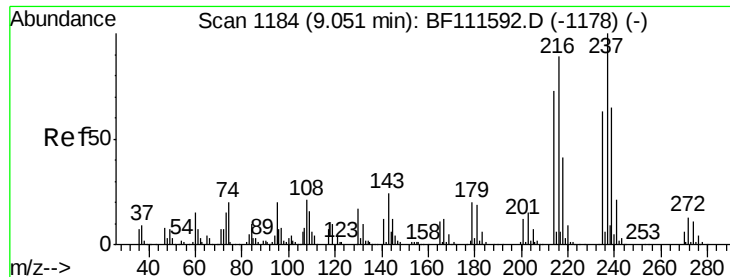
Tgt Ion:164 Resp: 368047
Ion Ratio Lower Upper
164 100
162 99.6 81.4 122.0
160 44.8 35.7 53.5



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.890 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:216 Resp: 506611
Ion Ratio Lower Upper
216 100
214 78.6 63.8 95.8
179 21.2 17.9 26.9
108 19.3 18.4 27.6





#41

Hexachlorocyclopentadiene

Concen: 81.828 ng

RT: 9.05 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

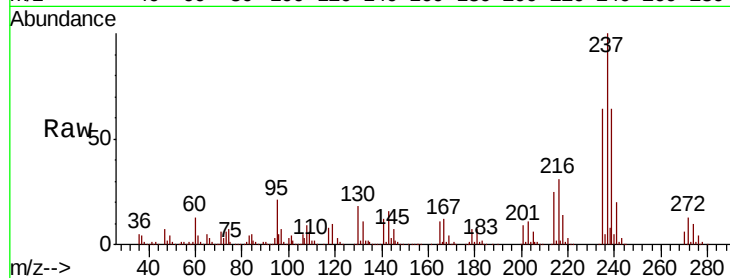
Tgt Ion: 237 Resp: 480228

Ion Ratio Lower Upper

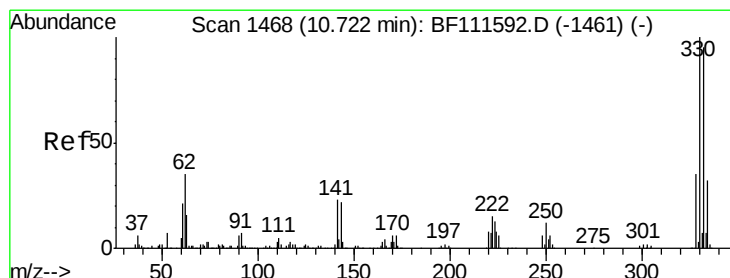
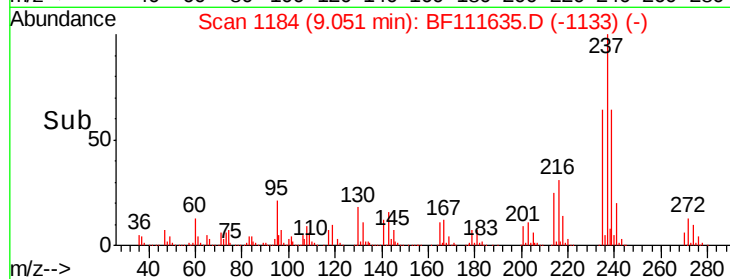
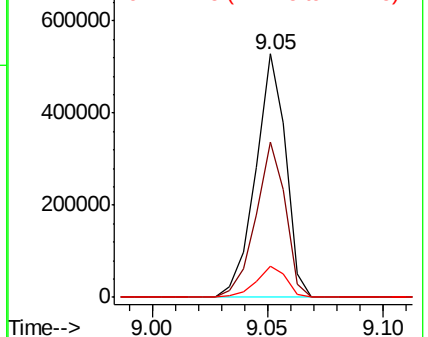
237 100

235 63.7 43.1 83.1

272 13.0 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: 129.870 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

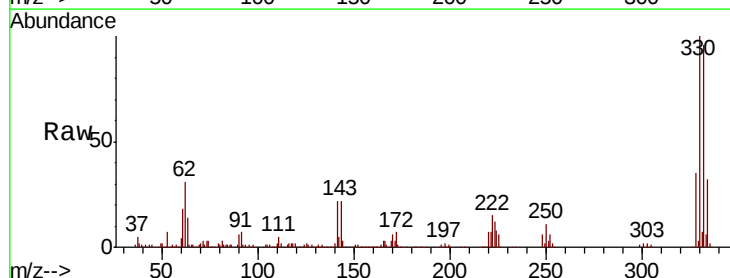
Tgt Ion: 330 Resp: 564775

Ion Ratio Lower Upper

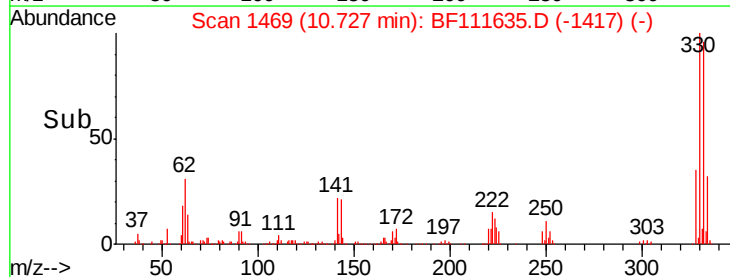
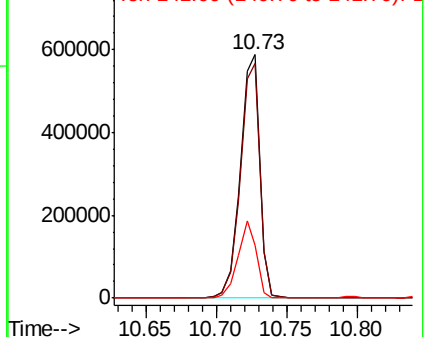
330 100

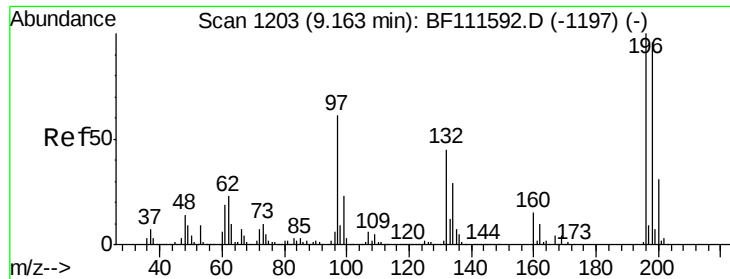
332 96.5 76.0 114.0

141 29.7 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

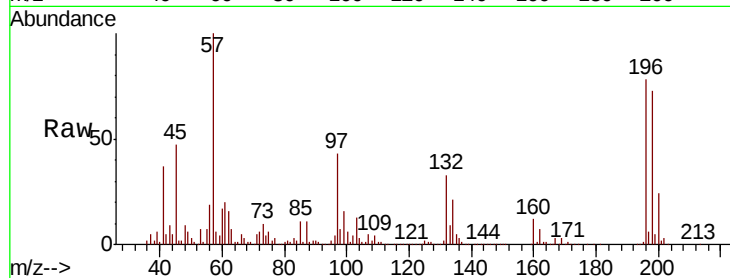




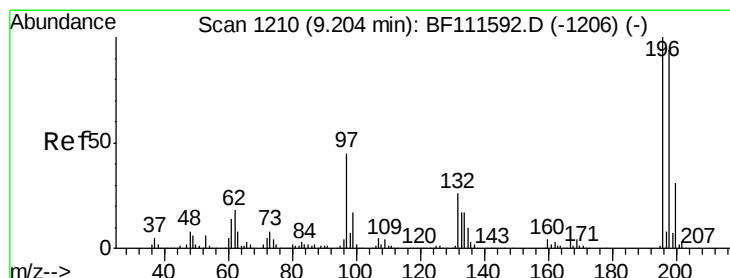
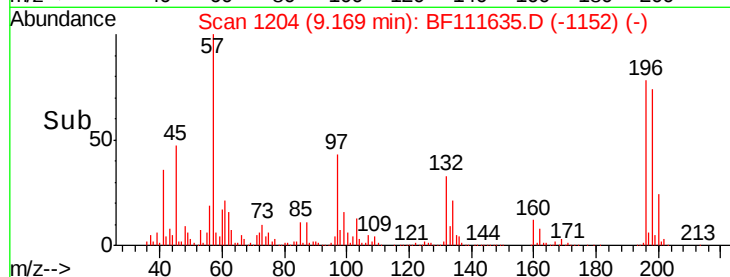
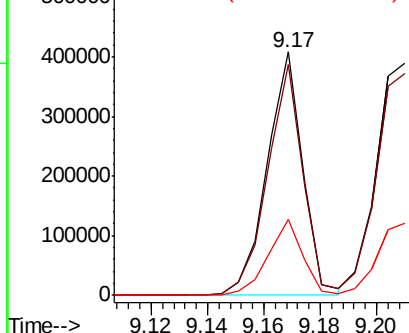
#43
 2,4,6-Trichlorophenol
 Concen: 44.228 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tgt Ion:196 Resp: 357120
 Ion Ratio Lower Upper
 196 100
 198 94.6 76.3 114.5
 200 31.1 24.9 37.3

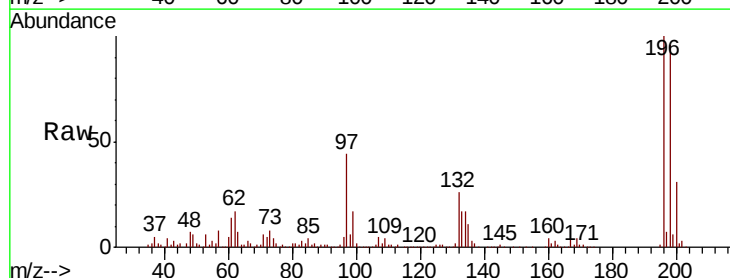


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

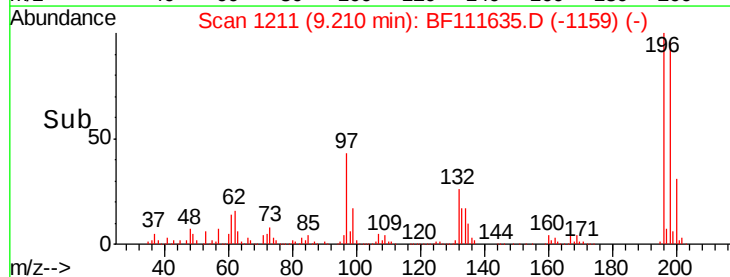
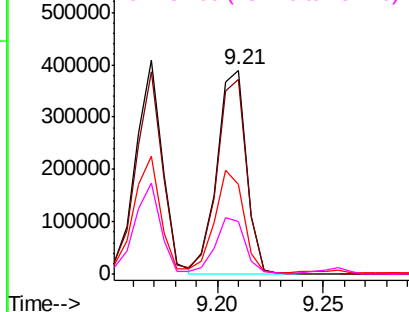


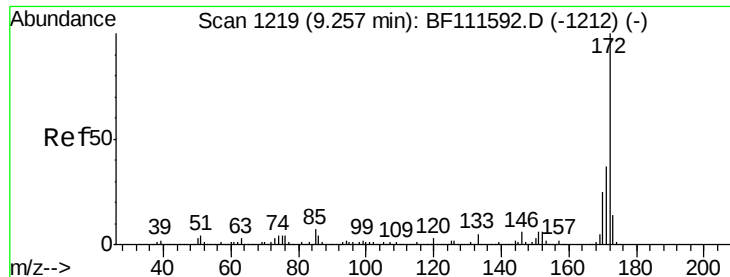
#44
 2,4,5-Trichlorophenol
 Concen: 45.640 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion:196 Resp: 378066
 Ion Ratio Lower Upper
 196 100
 198 95.7 72.9 109.3
 97 43.9 45.3 67.9#
 132 25.5 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

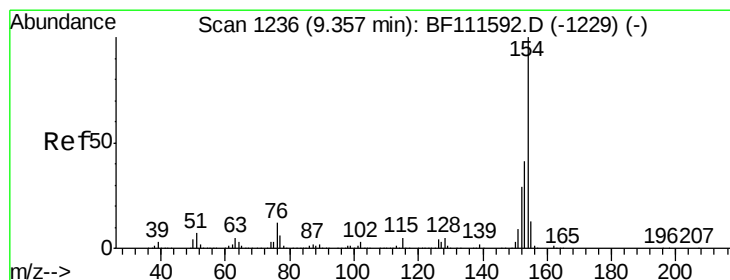
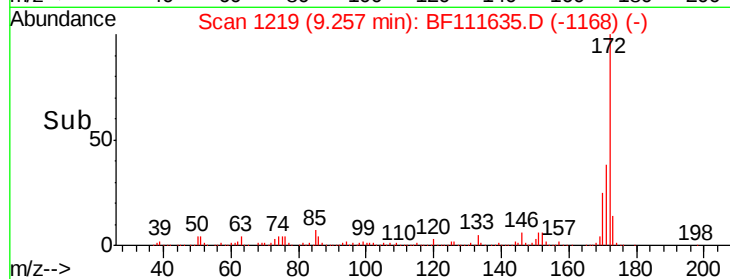
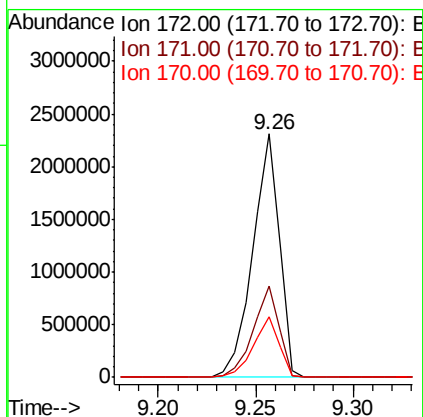
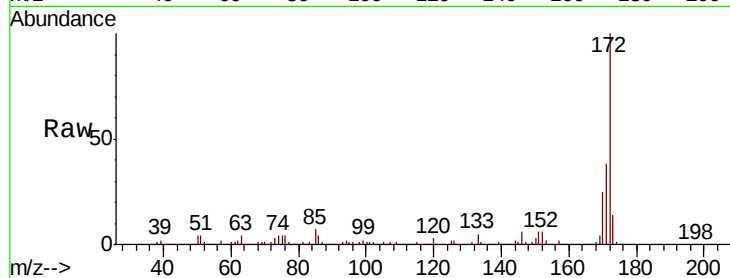




#45
 2-Fluorobiphenyl
 Concen: 86.260 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

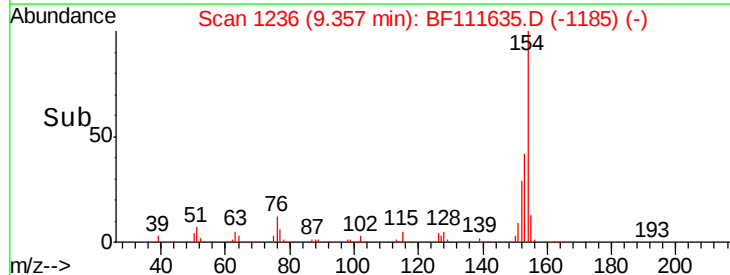
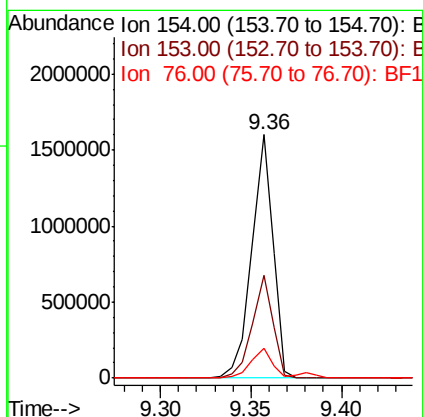
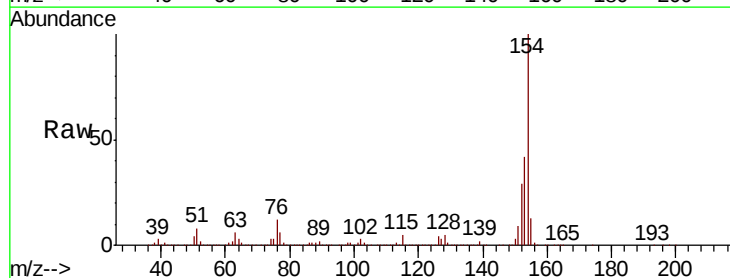
Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

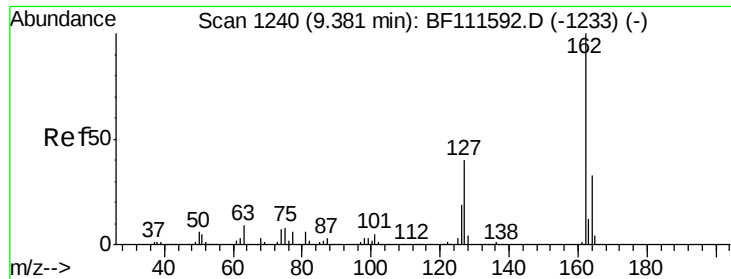
Tgt Ion:172 Resp: 2178113
 Ion Ratio Lower Upper
 172 100
 171 37.7 33.0 49.4
 170 24.9 22.3 33.5



#46
 1,1'-Biphenyl
 Concen: 42.015 ng
 RT: 9.36 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion:154 Resp: 1305366
 Ion Ratio Lower Upper
 154 100
 153 42.0 23.7 63.7
 76 12.4 0.0 35.0





#47

2-Chloronaphthalene

Concen: 41.640 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampled :

VB-1MS

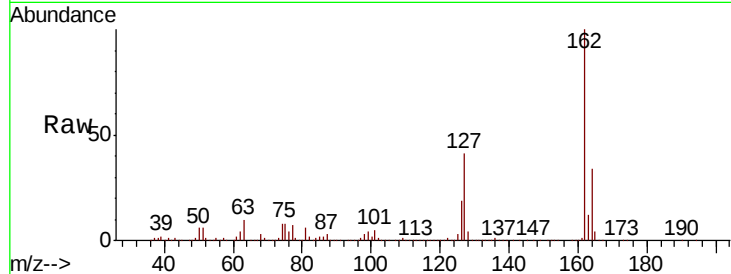
Tgt Ion: 162 Resp: 1024990

Ion Ratio Lower Upper

162 100

127 40.6 35.0 52.4

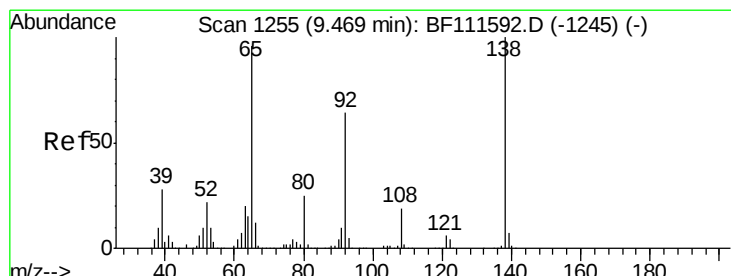
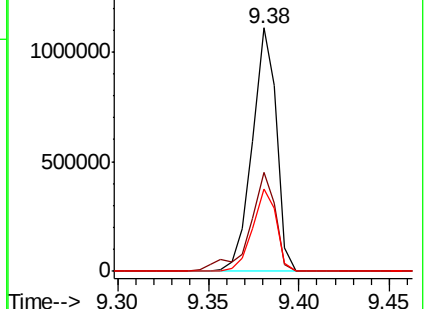
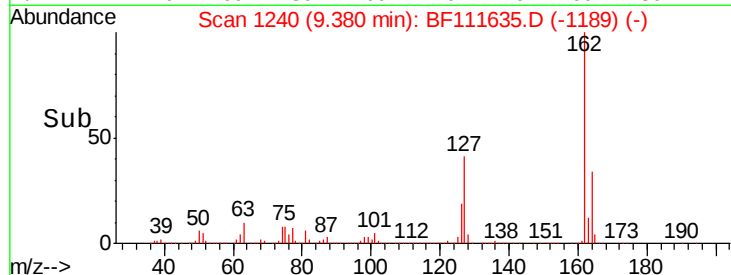
164 33.6 28.4 42.6



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 50.475 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

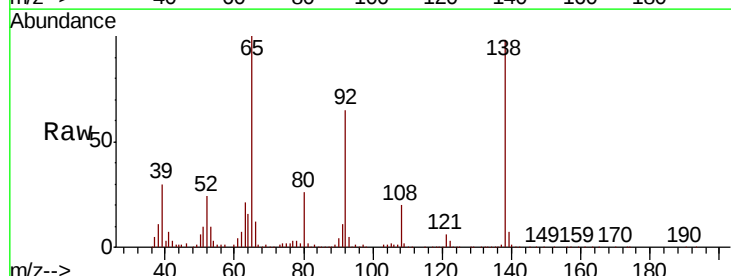
Tgt Ion: 65 Resp: 323228

Ion Ratio Lower Upper

65 100

92 64.6 53.5 80.3

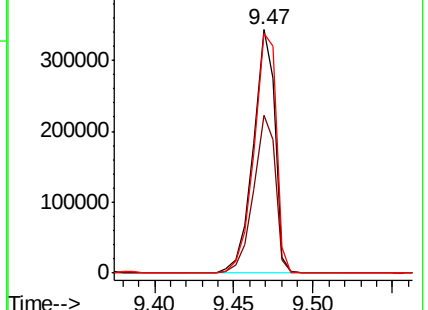
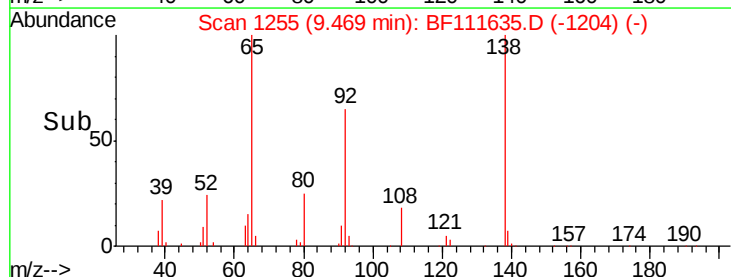
138 98.5 80.9 121.3

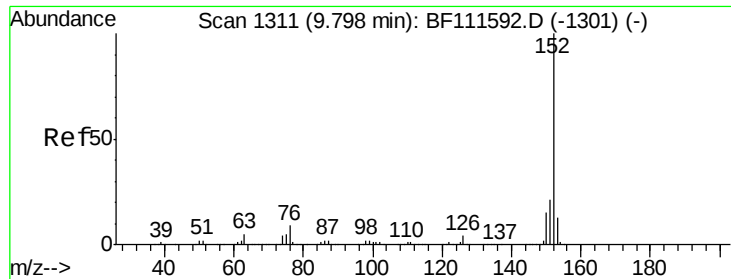


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.243 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

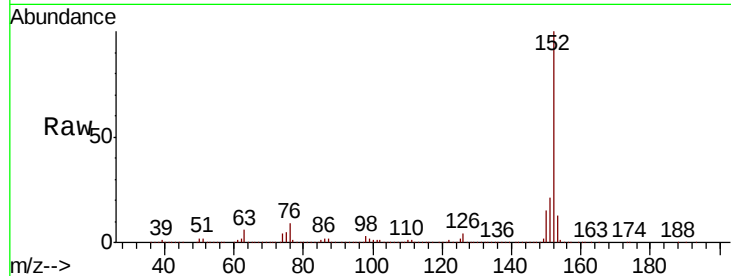
Tgt Ion:152 Resp: 1626040

Ion Ratio Lower Upper

152 100

151 20.6 18.0 27.0

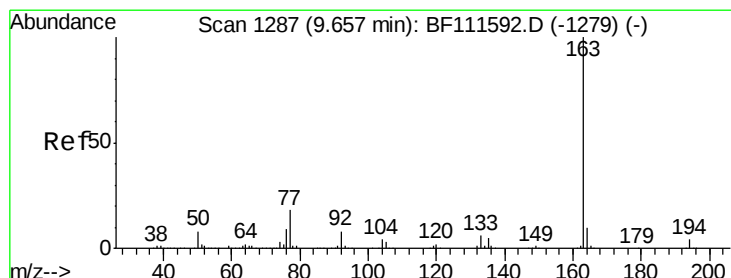
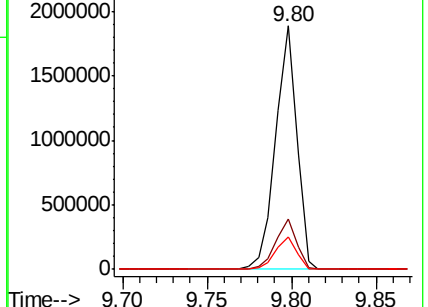
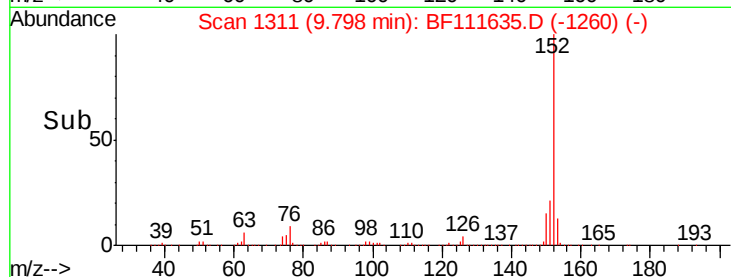
153 13.3 12.3 18.5



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: 52.539 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

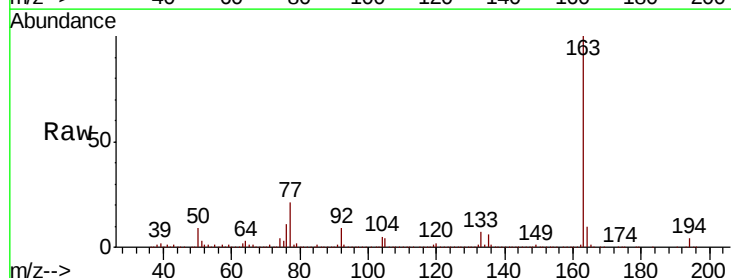
Tgt Ion:163 Resp: 1414054

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

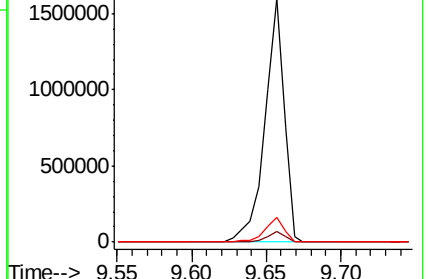
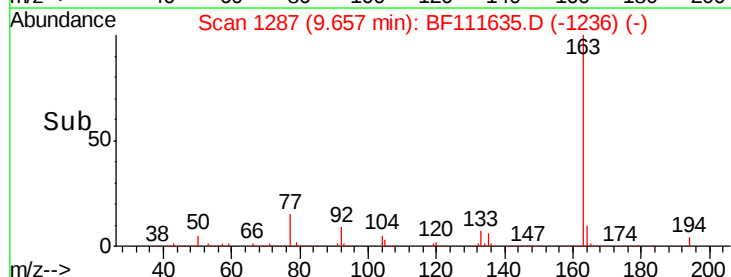
164 10.4 8.9 13.3

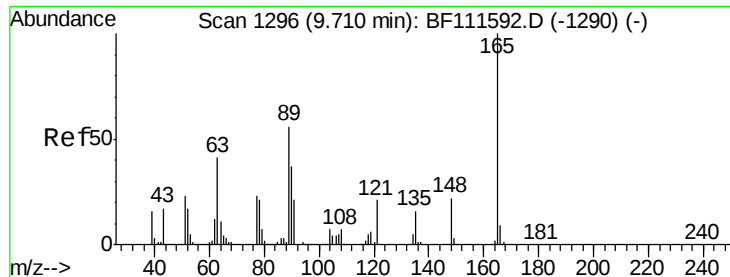


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 50.293 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

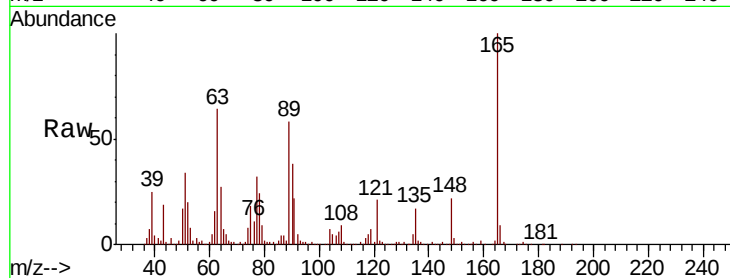
Tgt Ion:165 Resp: 269906

Ion Ratio Lower Upper

165 100

63 63.5 40.5 60.7#

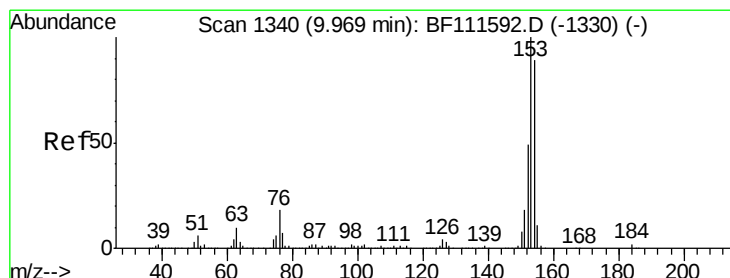
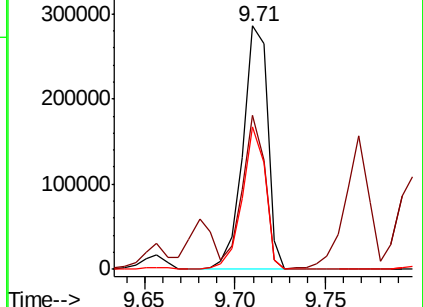
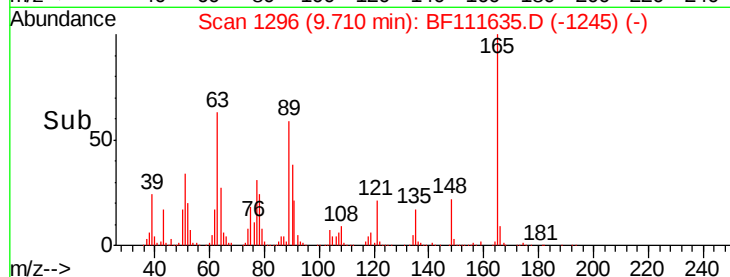
89 58.5 40.0 60.0



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 46.049 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

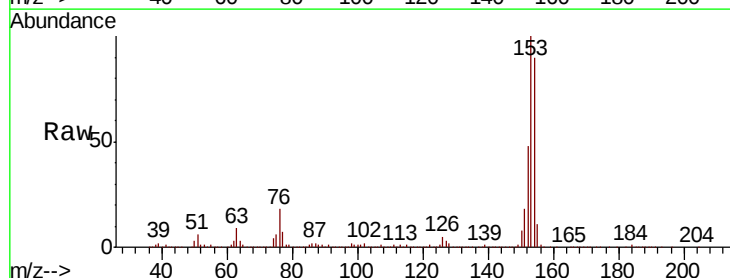
Tgt Ion:154 Resp: 1020751

Ion Ratio Lower Upper

154 100

153 111.5 87.8 131.8

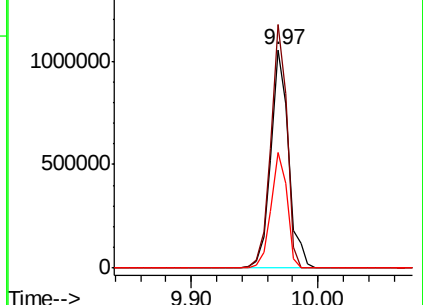
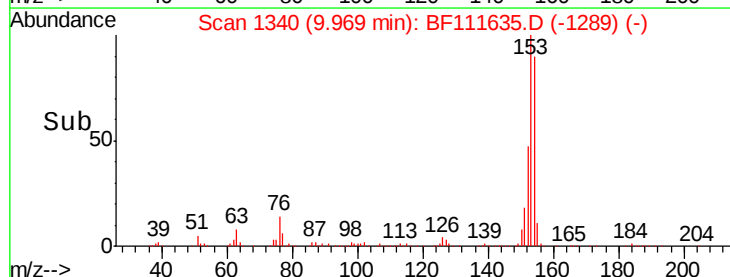
152 53.2 43.4 65.2

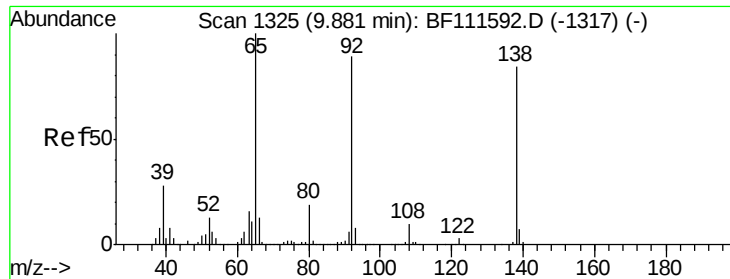


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

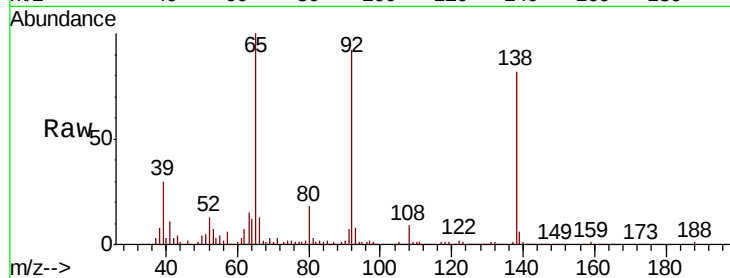




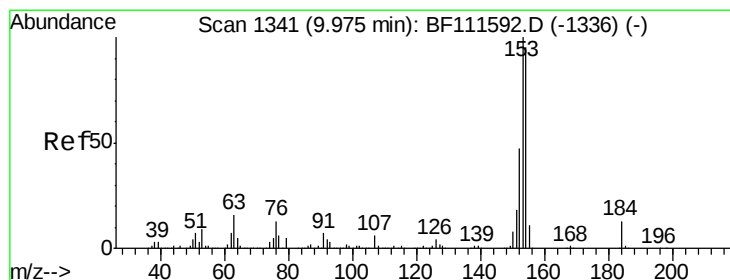
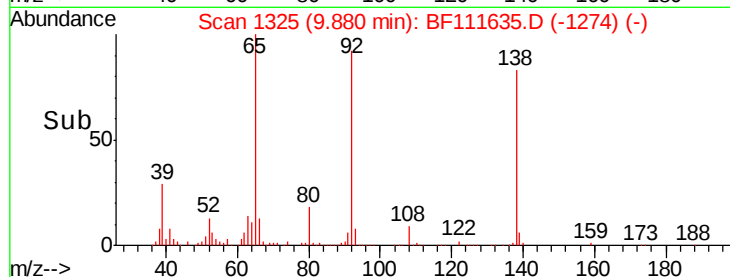
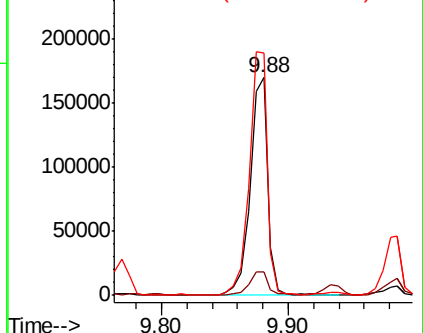
#53
3-Nitroaniline
Concen: 28.905 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tgt Ion:138 Resp: 165440
Ion Ratio Lower Upper
138 100
108 10.8 8.2 12.4
92 111.4 93.4 140.2

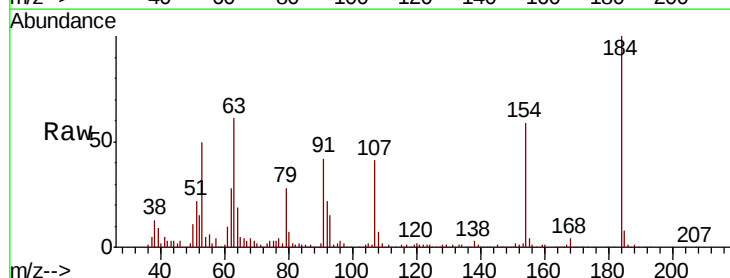


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

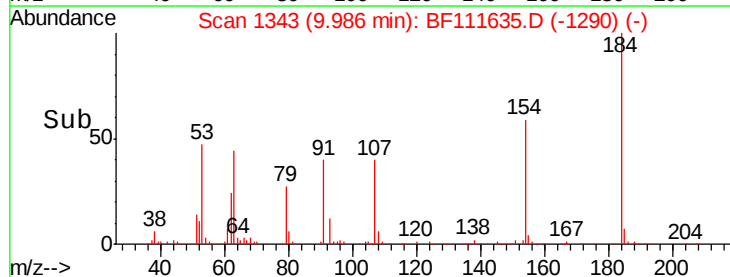
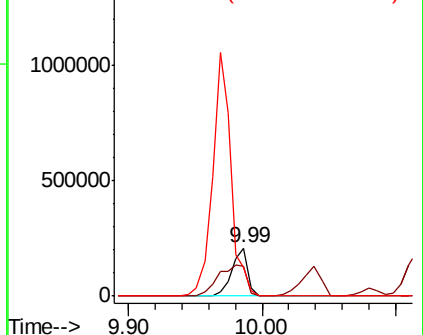


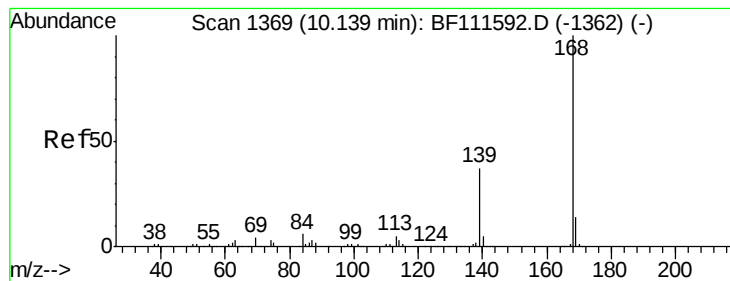
#54
2,4-Dinitrophenol
Concen: 99.788 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:184 Resp: 175289
Ion Ratio Lower Upper
184 100
63 60.9 62.3 93.5#
154 58.7 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

Dibenzofuran

Concen: 42.497 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

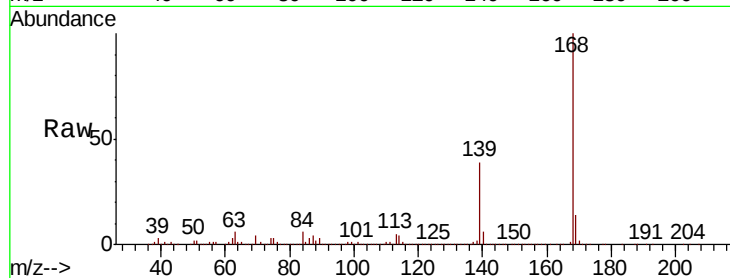
Tgt Ion:168 Resp: 1423180

Ion Ratio Lower Upper

168 100

139 38.5 32.6 49.0

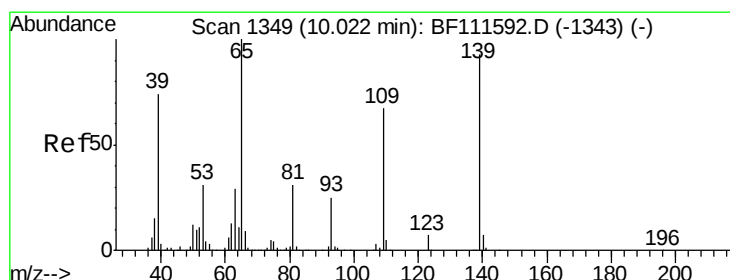
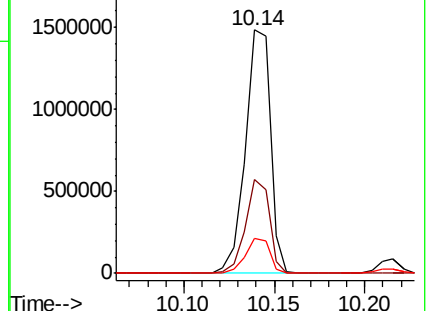
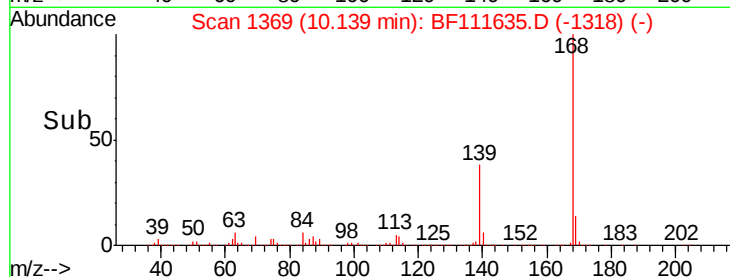
169 14.1 11.8 17.6



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: 97.673 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.02 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

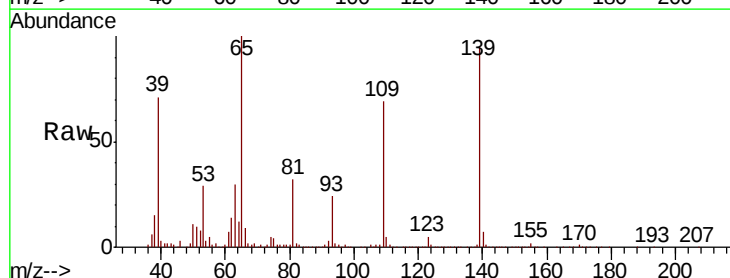
Tgt Ion:139 Resp: 426630

Ion Ratio Lower Upper

139 100

109 73.0 41.8 81.8

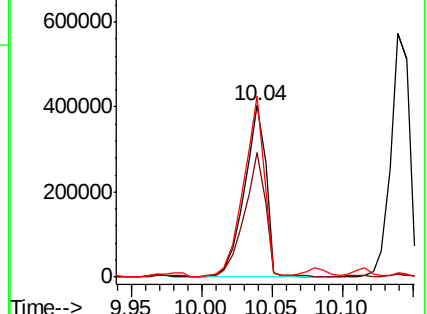
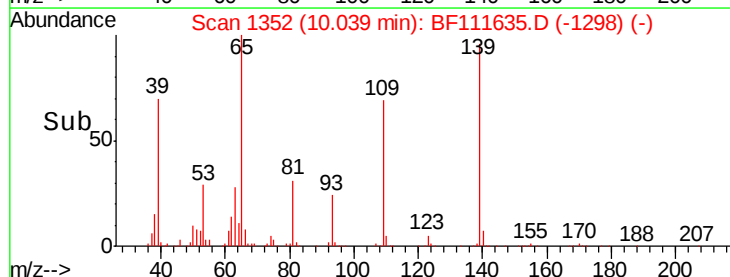
65 105.2 79.6 119.6

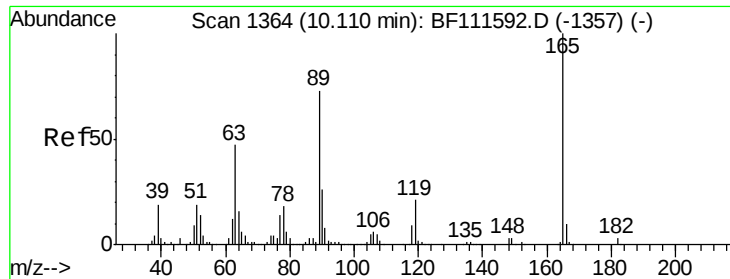


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

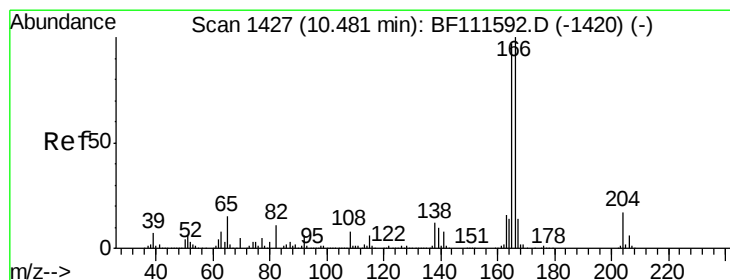
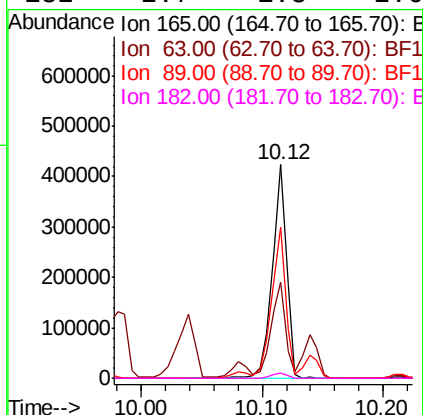
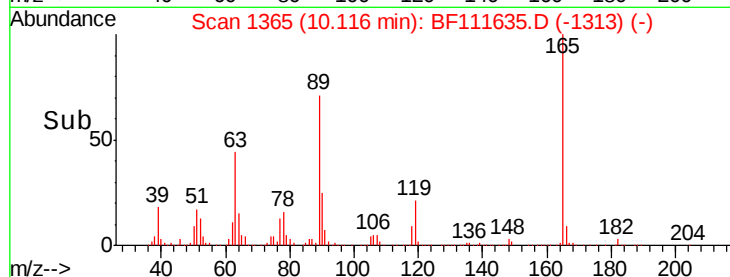
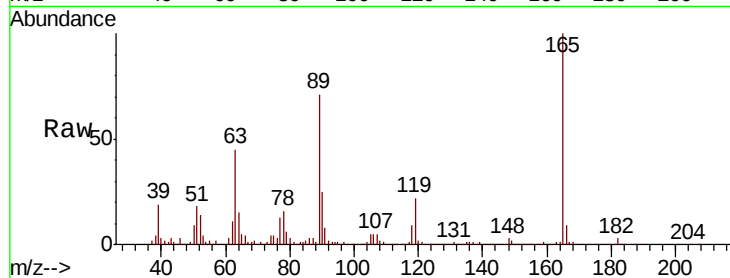




#57
2,4-Dinitrotoluene
Concen: 54.344 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

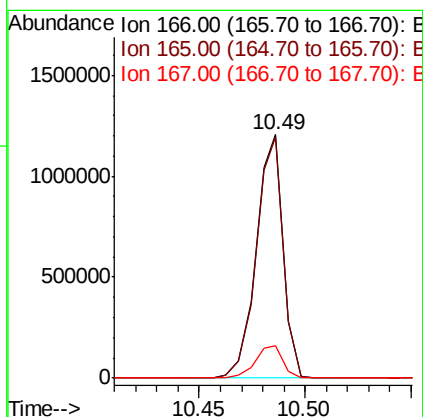
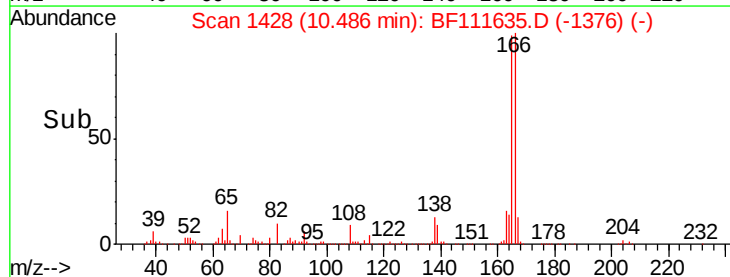
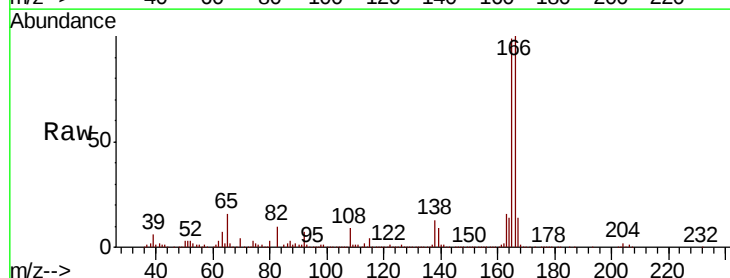
Instrument :
BNA_F
ClientSampleId :
VB-1MS

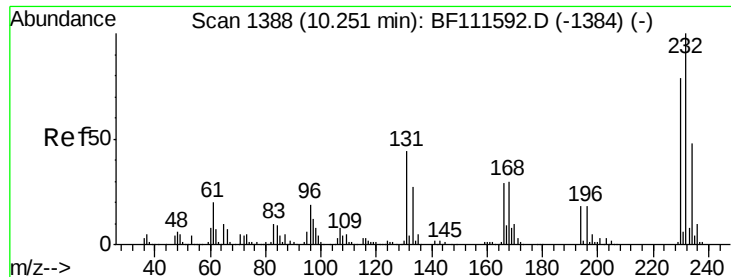
Tgt Ion:165 Resp: 350518
Ion Ratio Lower Upper
165 100
63 44.7 34.6 52.0
89 70.5 56.2 84.4
182 2.7 1.8 2.6#



#58
Fluorene
Concen: 44.198 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:166 Resp: 1066571
Ion Ratio Lower Upper
166 100
165 99.2 78.4 117.6
167 13.5 11.2 16.8

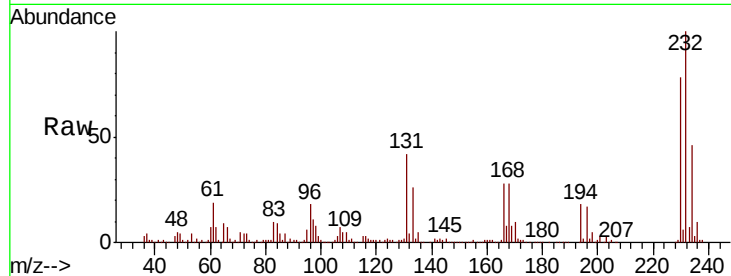




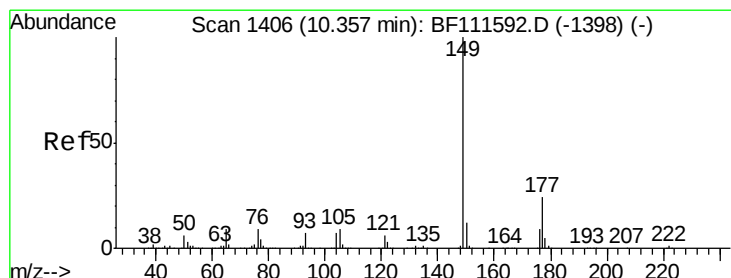
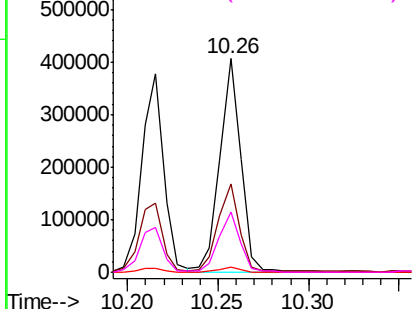
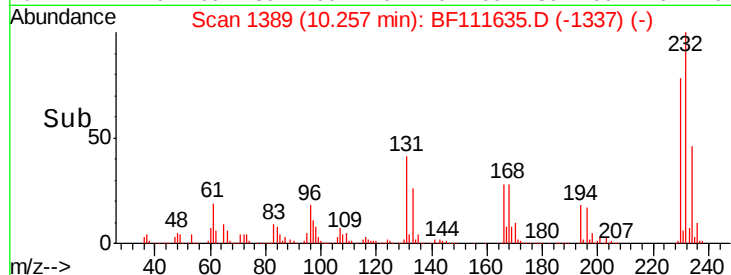
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 47.042 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tgt Ion: 232 Resp: 327941
 Ion Ratio Lower Upper
 232 100
 131 41.9 40.9 61.3
 130 2.3 2.0 3.0
 166 28.4 26.8 40.2

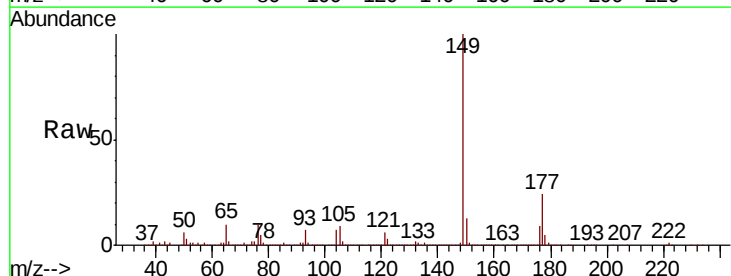


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

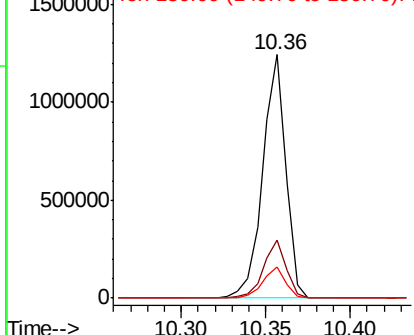
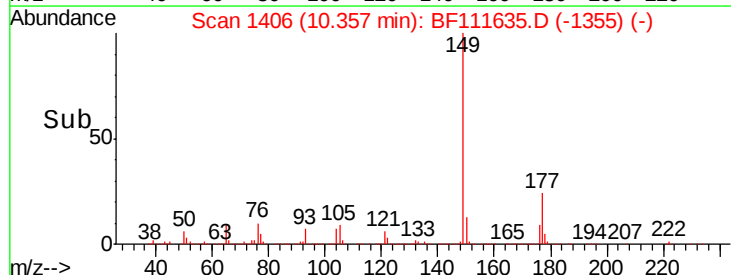


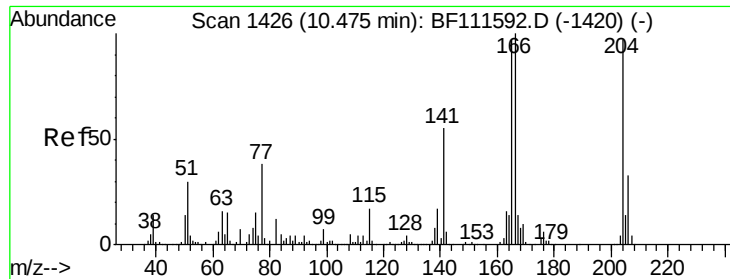
#60
 Diethylphthalate
 Concen: 44.180 ng
 RT: 10.36 min Scan# 1406
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion: 149 Resp: 1166401
 Ion Ratio Lower Upper
 149 100
 177 23.8 18.3 27.5
 150 12.8 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

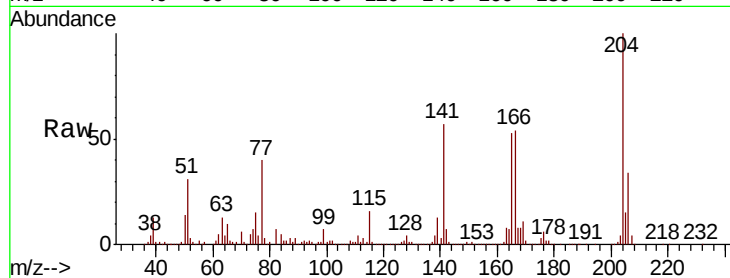




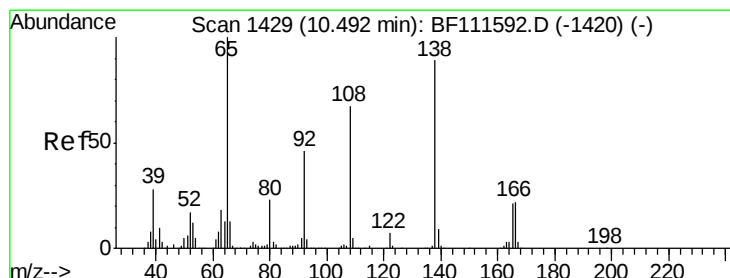
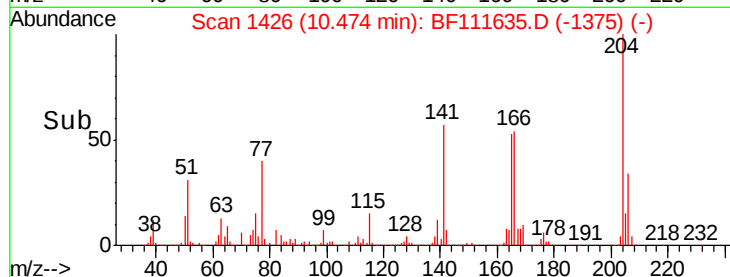
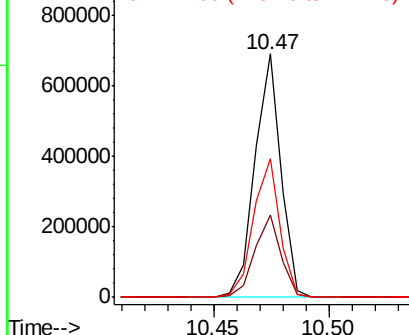
#61
 4-Chlorophenyl-phenylether
 Concen: 40.805 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleID :
 VB-1MS

Tgt Ion: 204 Resp: 544034
 Ion Ratio Lower Upper
 204 100
 206 34.0 26.6 39.8
 141 57.0 52.6 78.8

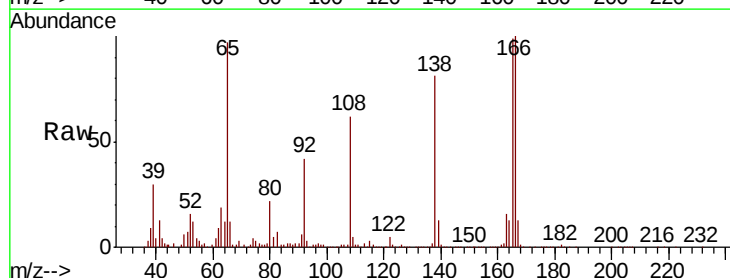


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

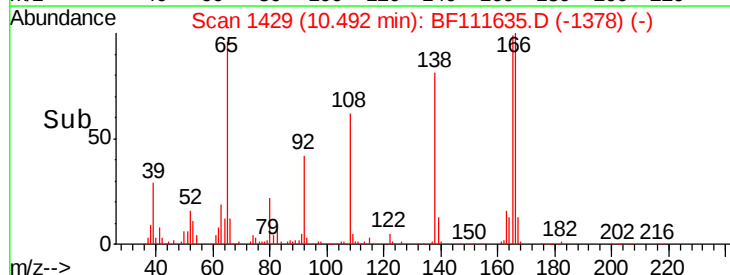
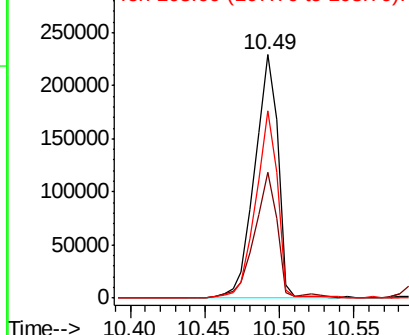


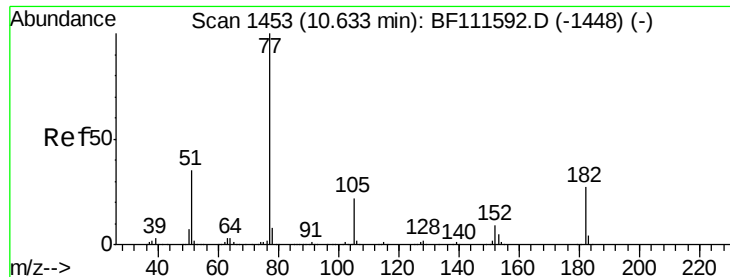
#62
 4-Nitroaniline
 Concen: 44.088 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion: 138 Resp: 245253
 Ion Ratio Lower Upper
 138 100
 92 51.9 29.9 69.9
 108 76.7 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: 40.919 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

Tgt Ion: 77 Resp: 1084561

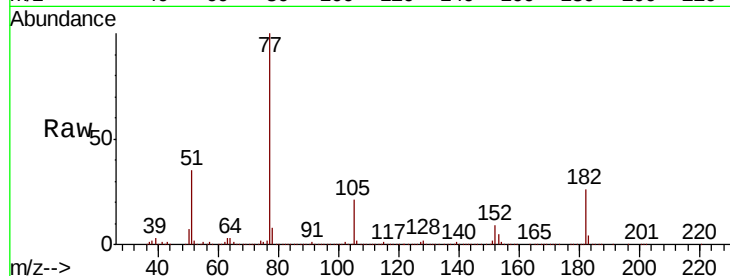
Ion Ratio Lower Upper

77 100

182 25.6 4.9 44.9

105 21.1 6.0 46.0

51 34.8 14.7 54.7

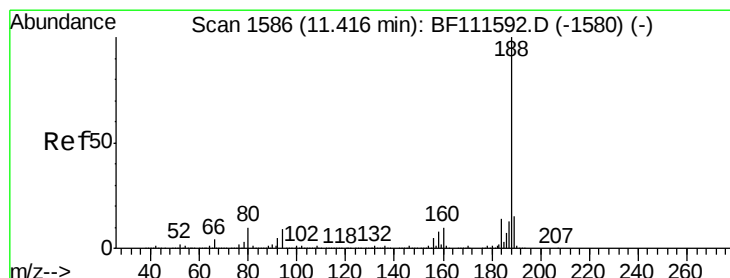
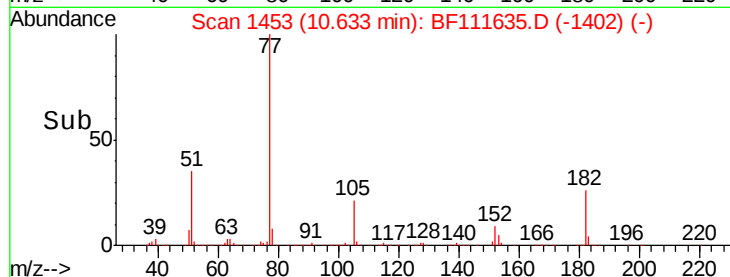
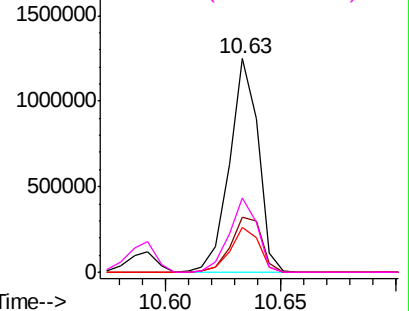


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

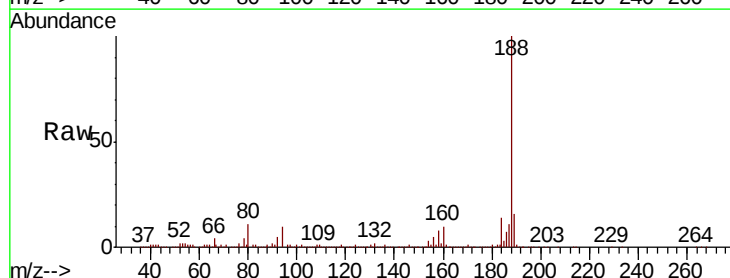
Tgt Ion: 188 Resp: 633783

Ion Ratio Lower Upper

188 100

94 9.5 9.6 14.4#

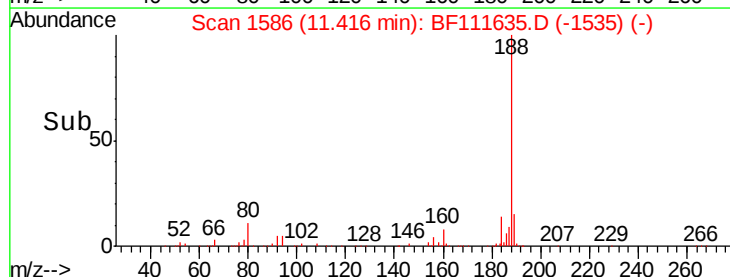
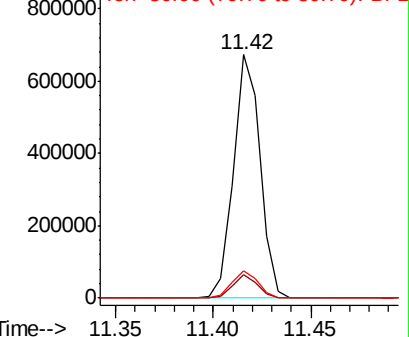
80 11.4 9.8 14.6

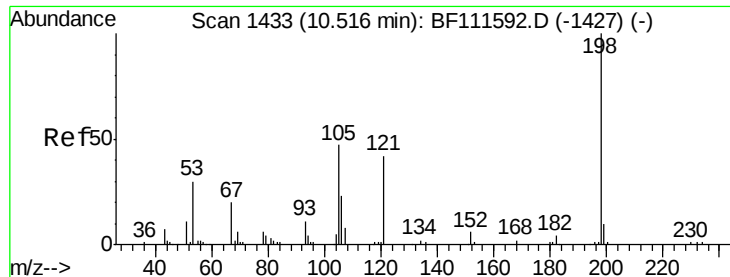


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

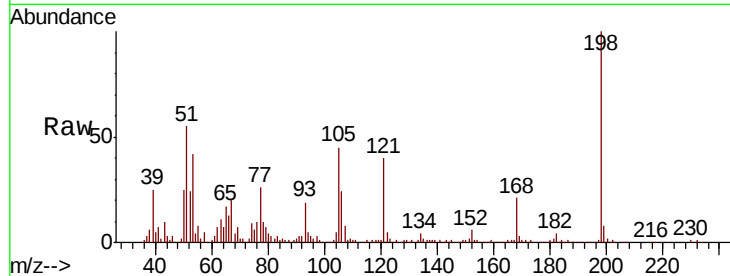




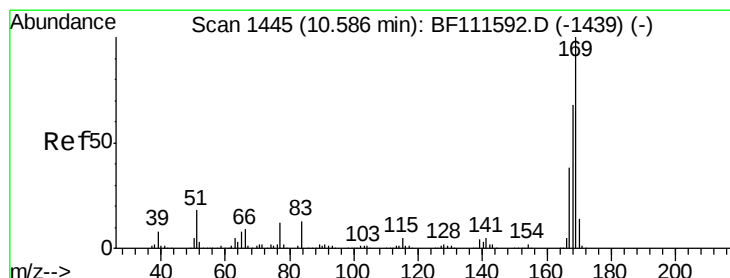
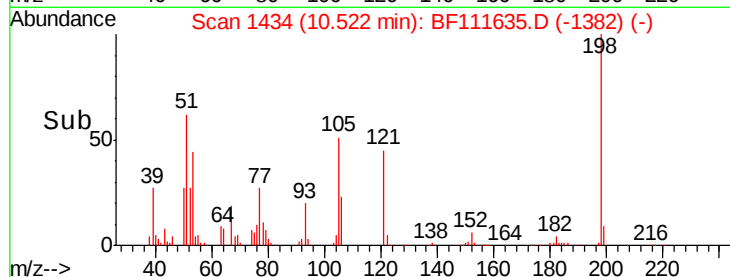
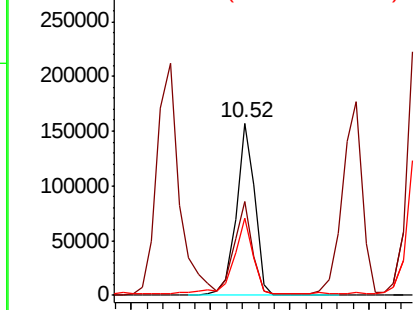
#65
4,6-Dinitro-2-methylphenol
Concen: 48.313 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tgt Ion:198 Resp: 126682
Ion Ratio Lower Upper
198 100
51 54.6 48.0 88.0
105 45.1 34.0 74.0

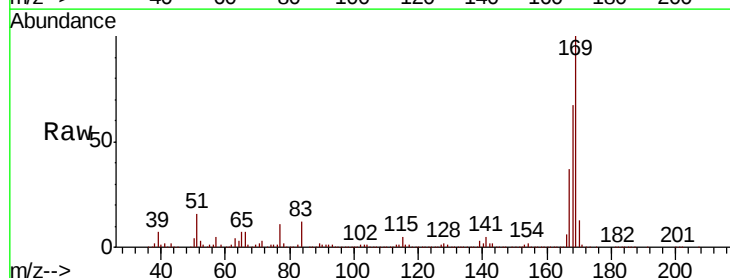


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

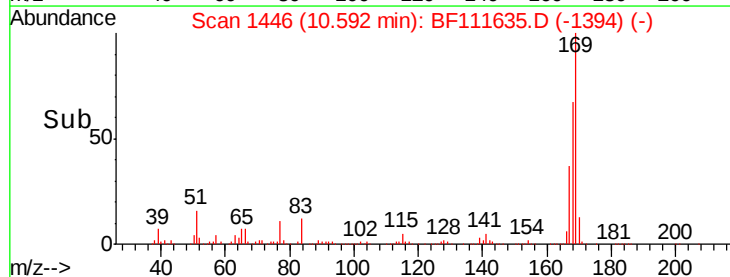
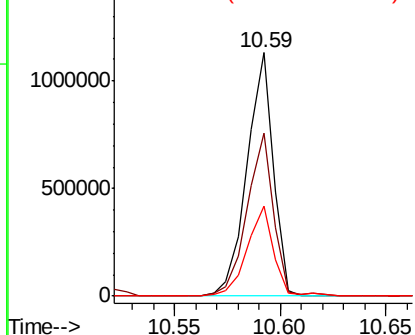


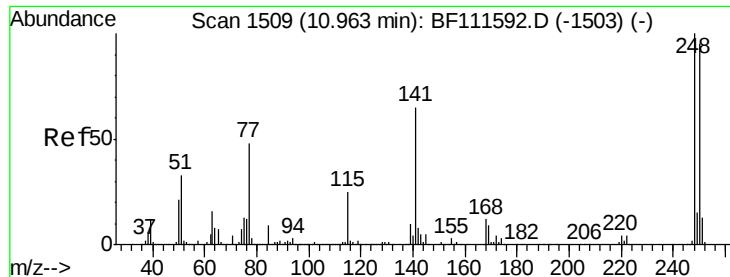
#66
n-Nitrosodiphenylamine
Concen: 46.112 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:169 Resp: 981022
Ion Ratio Lower Upper
169 100
168 66.9 54.4 81.6
167 37.0 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

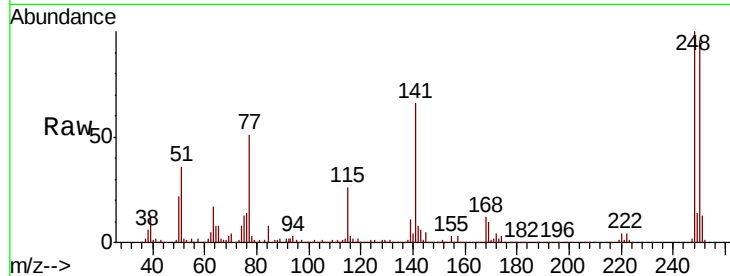




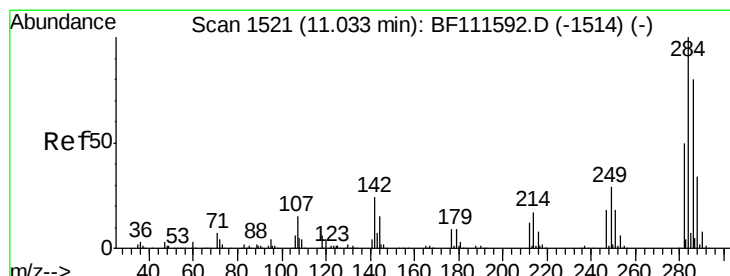
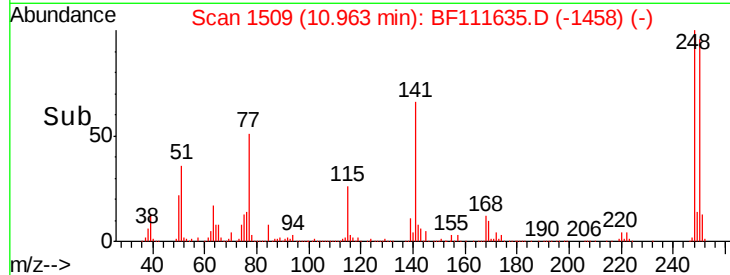
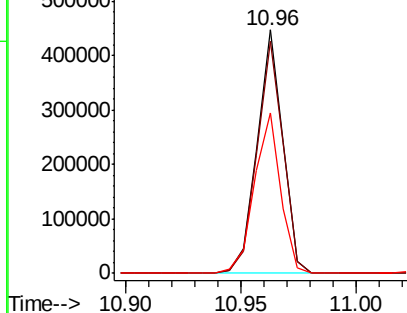
#67
 4-Bromophenyl-phenylether
 Concen: 44.250 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

Tgt Ion: 248 Resp: 347846
 Ion Ratio Lower Upper
 248 100
 250 95.6 77.0 115.4
 141 66.1 63.0 94.6

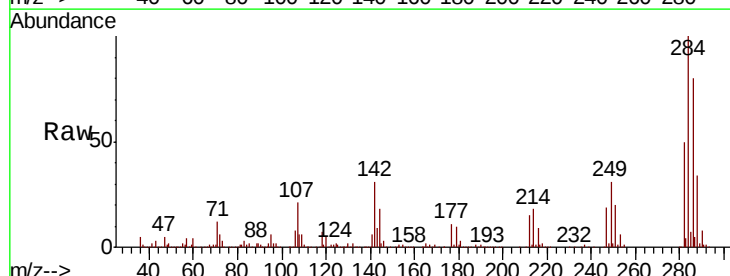


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

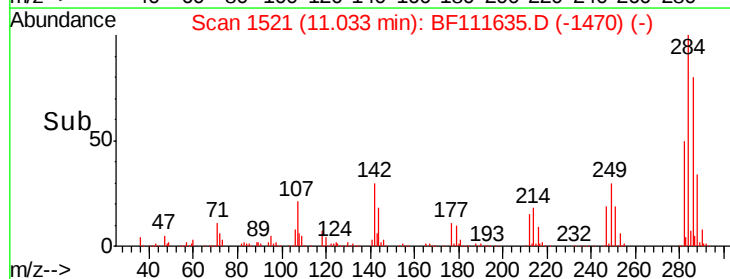
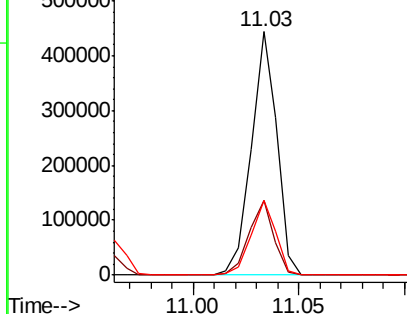


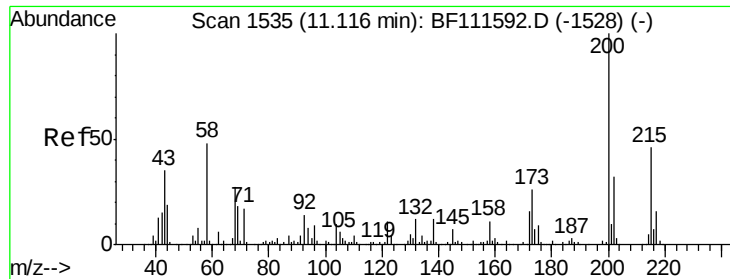
#68
 Hexachlorobenzene
 Concen: 42.579 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion: 284 Resp: 373192
 Ion Ratio Lower Upper
 284 100
 142 30.8 27.4 41.2
 249 30.7 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: 43.409 ng

RT: 11.12 min Scan# 1535

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

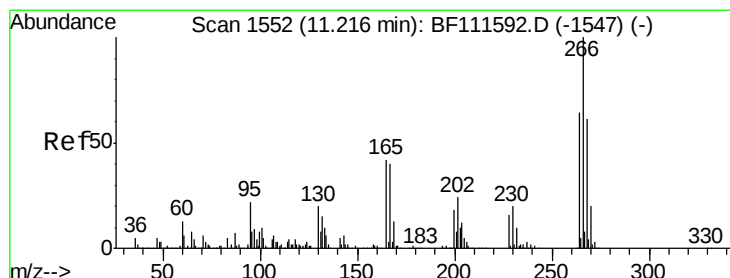
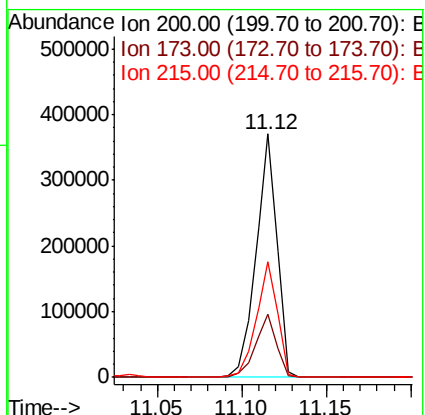
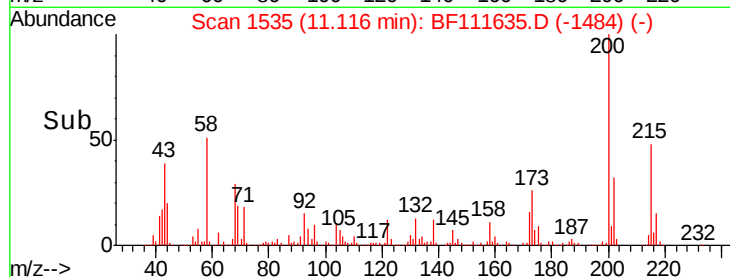
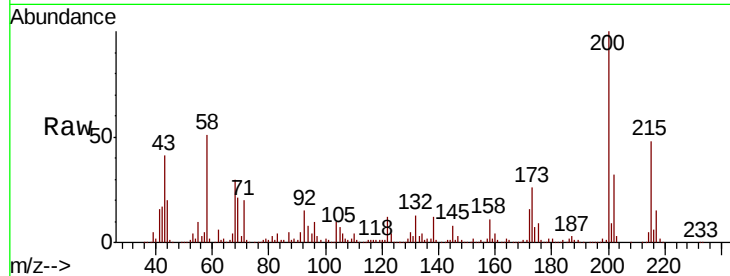
Tgt Ion:200 Resp: 320834

Ion Ratio Lower Upper

200 100

173 25.9 10.1 50.1

215 47.7 26.9 66.9



#70

Pentachlorophenol

Concen: 74.579 ng

RT: 11.22 min Scan# 1553

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

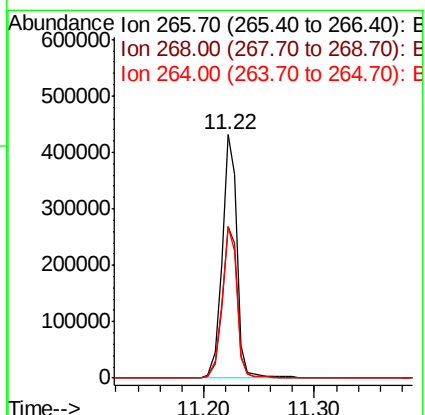
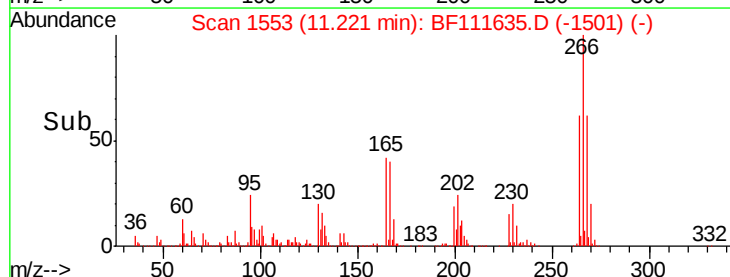
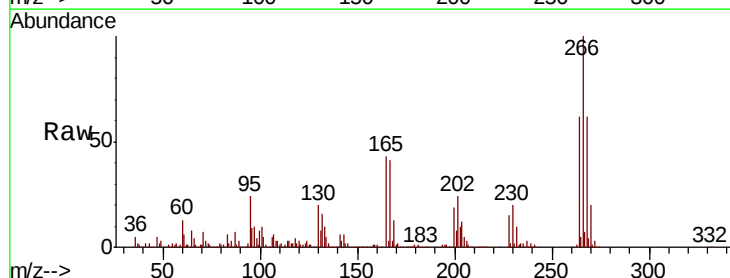
Tgt Ion:266 Resp: 404107

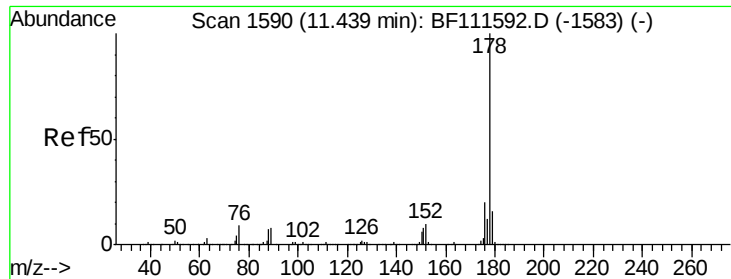
Ion Ratio Lower Upper

266 100

268 62.2 47.9 71.9

264 62.3 49.1 73.7

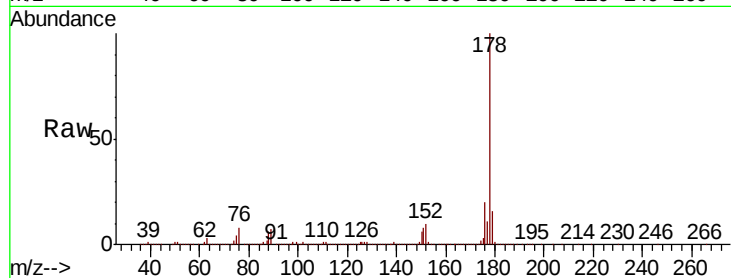




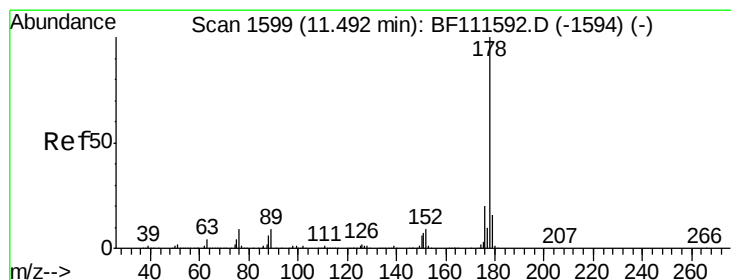
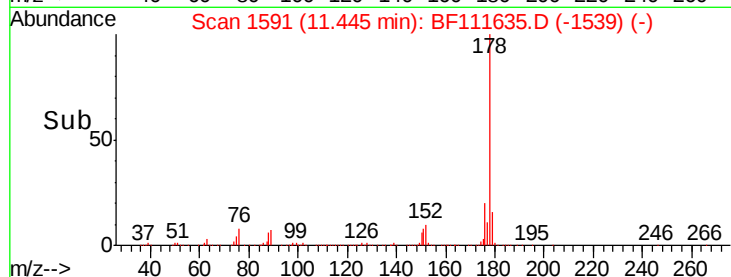
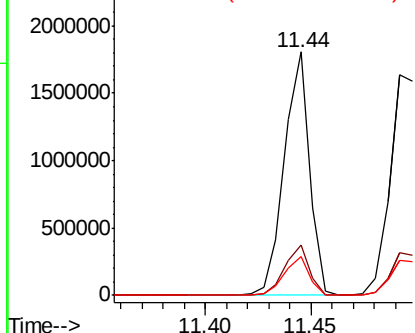
#71
Phenanthrene
Concen: 44.938 ng
RT: 11.44 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tgt Ion:178 Resp: 1510451
Ion Ratio Lower Upper
178 100
176 20.4 18.1 27.1
179 16.0 14.0 21.0

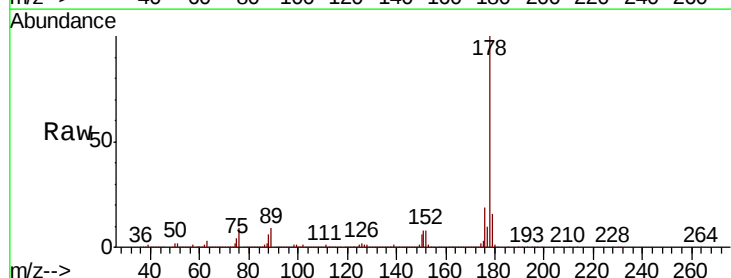


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

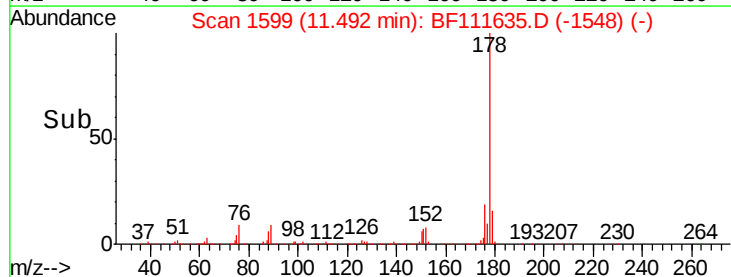
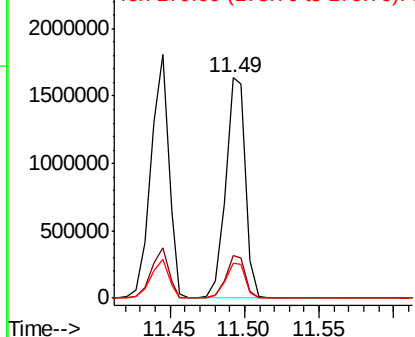


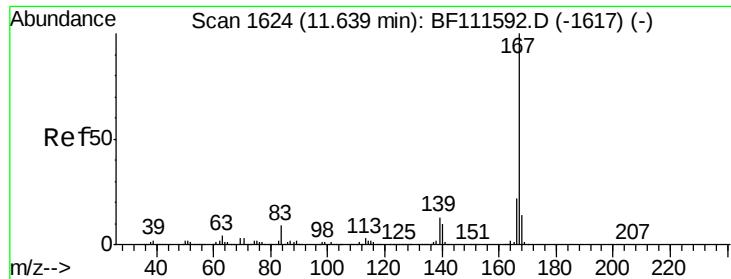
#72
Anthracene
Concen: 45.540 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:178 Resp: 1536424
Ion Ratio Lower Upper
178 100
176 19.2 17.2 25.8
179 15.8 13.8 20.8



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

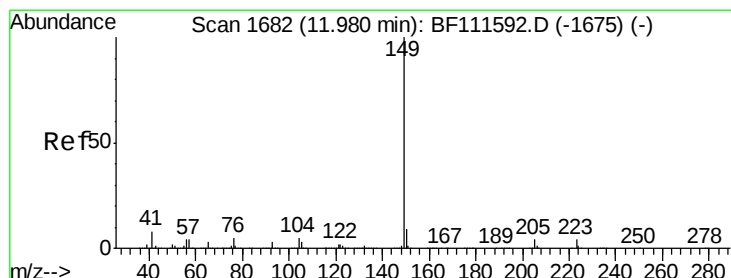
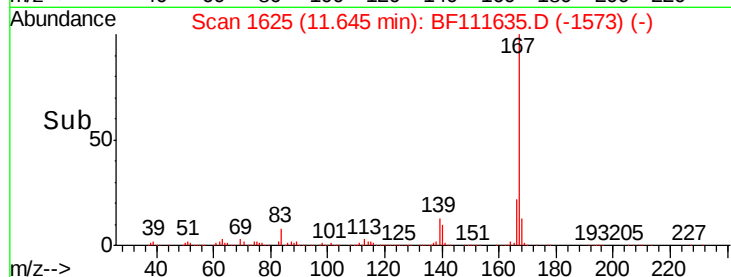
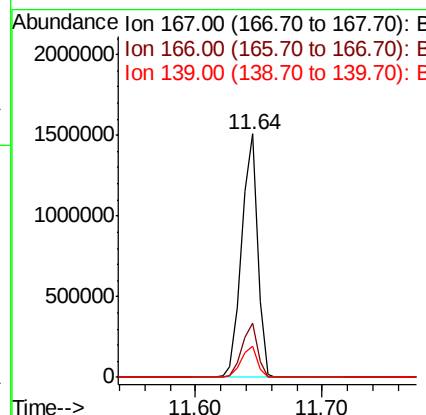
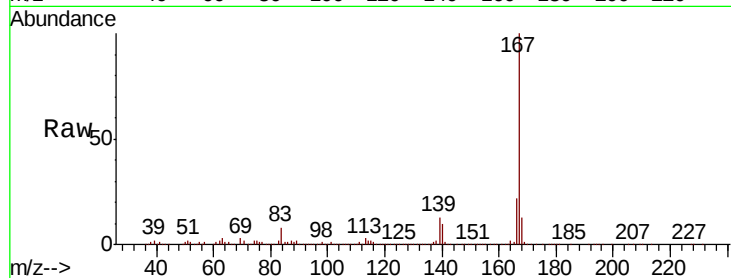




#73
 Carbazole
 Concen: 39.564 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

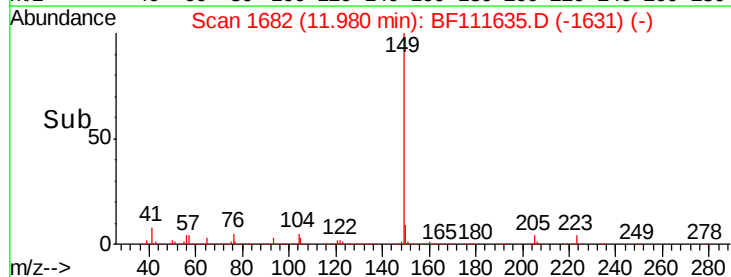
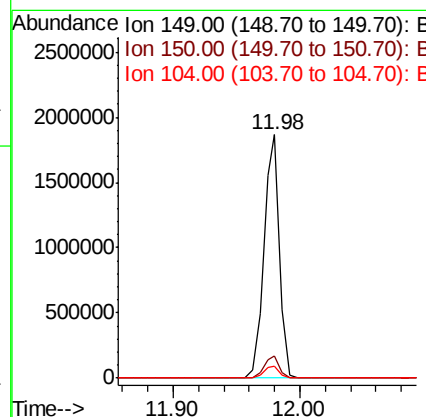
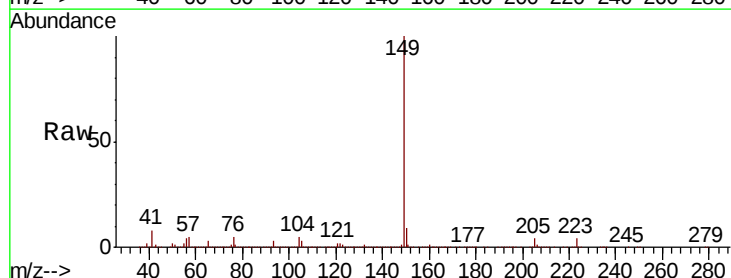
Instrument :
 BNA_F
 ClientSampleId :
 VB-1MS

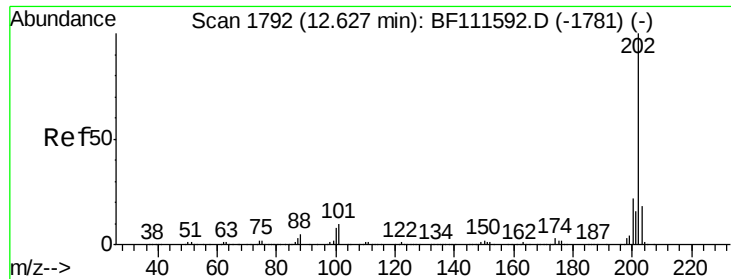
Tgt Ion:167 Resp: 1295915
 Ion Ratio Lower Upper
 167 100
 166 22.0 19.3 28.9
 139 12.8 11.9 17.9



#74
 Di-n-butylphthalate
 Concen: 43.446 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BF111635.D
 Acq: 20 Dec 2018 13:17

Tgt Ion:149 Resp: 1595544
 Ion Ratio Lower Upper
 149 100
 150 9.3 8.8 13.2
 104 4.8 4.5 6.7





#75

Fluoranthene

Concen: 38.615 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

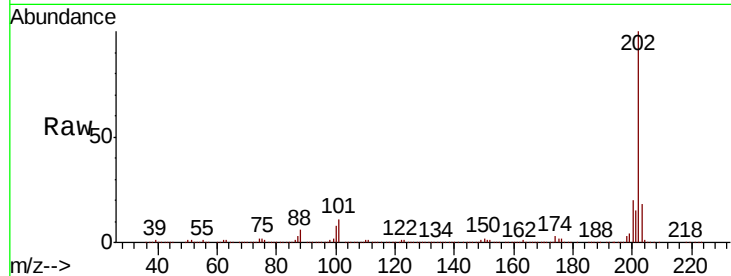
Tgt Ion:202 Resp: 1314334

Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.8

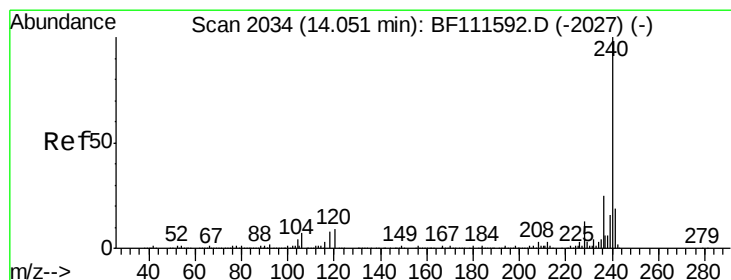
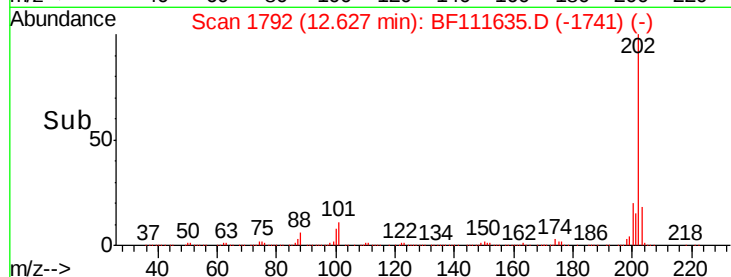
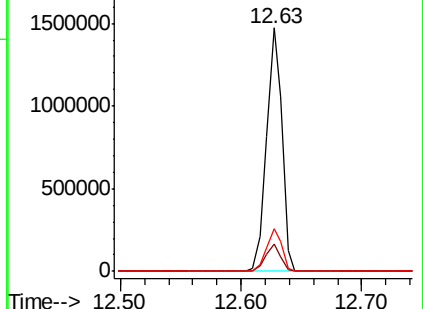
203 17.8 0.0 38.6



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: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

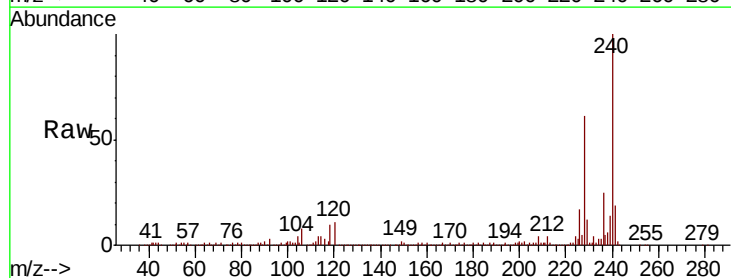
Tgt Ion:240 Resp: 434943

Ion Ratio Lower Upper

240 100

120 11.0 12.2 18.2#

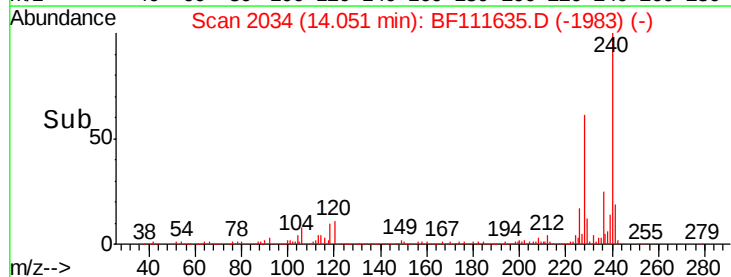
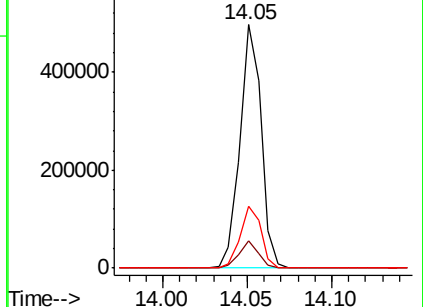
236 25.4 20.2 30.2

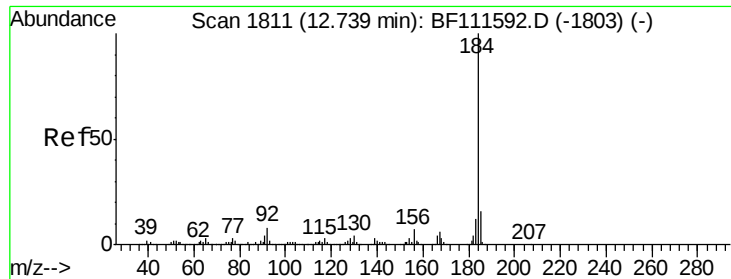


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 19.711 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

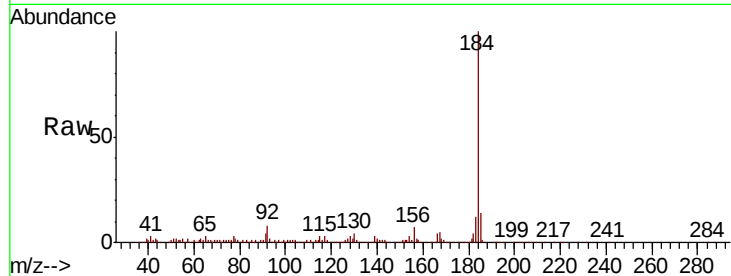
Tgt Ion:184 Resp: 322600

Ion Ratio Lower Upper

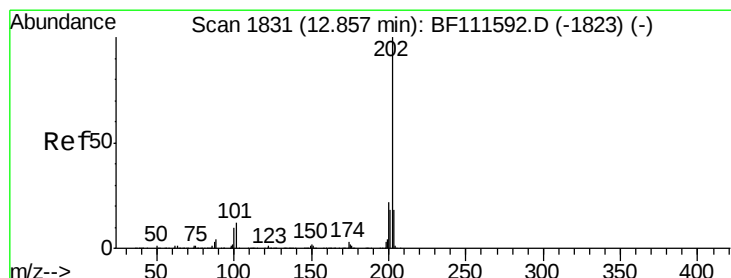
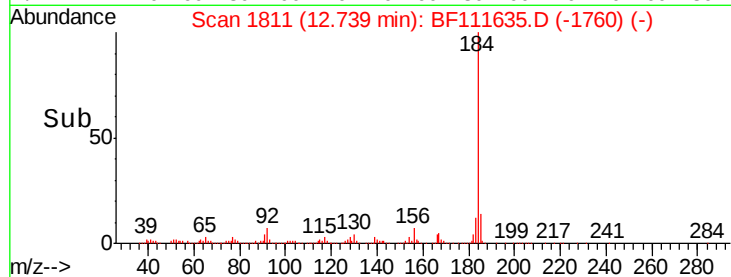
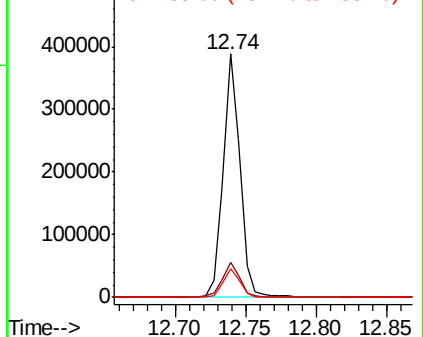
184 100

185 14.4 13.0 19.6

183 11.8 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: 41.843 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

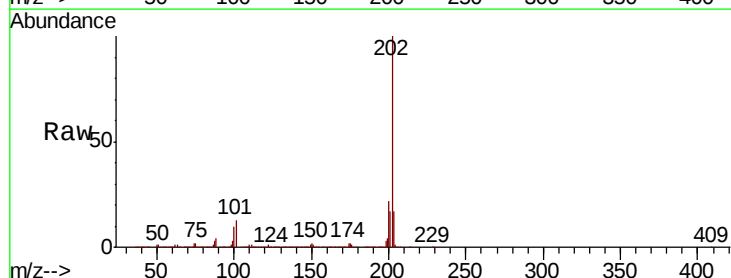
Tgt Ion:202 Resp: 1285188

Ion Ratio Lower Upper

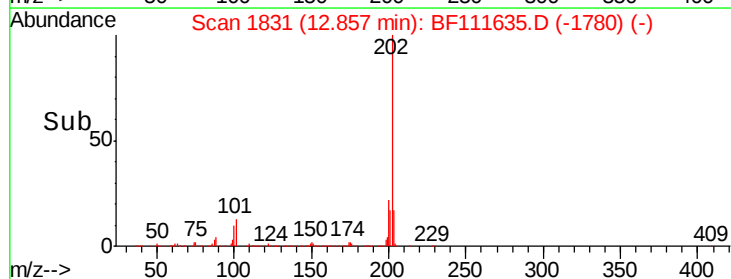
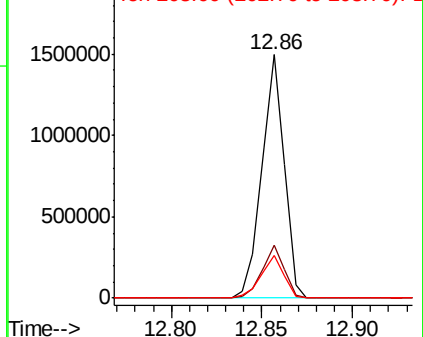
202 100

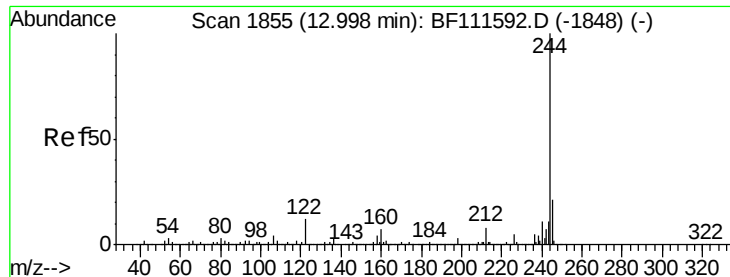
200 21.8 19.0 28.4

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: 77.786 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

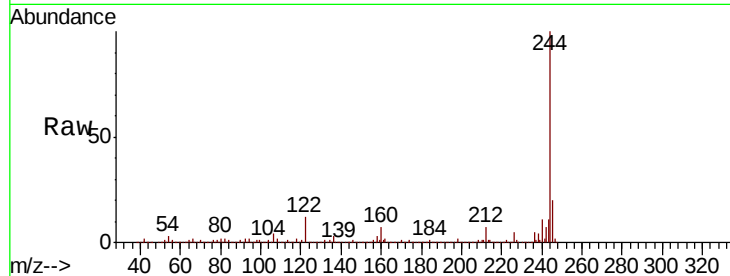
Tgt Ion:244 Resp: 1784011

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

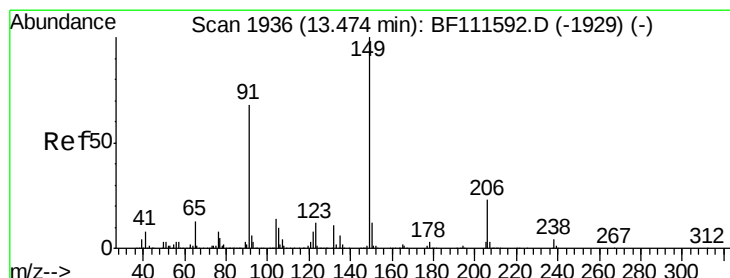
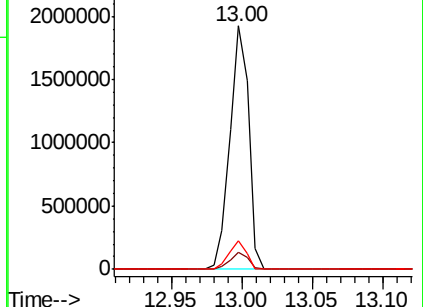
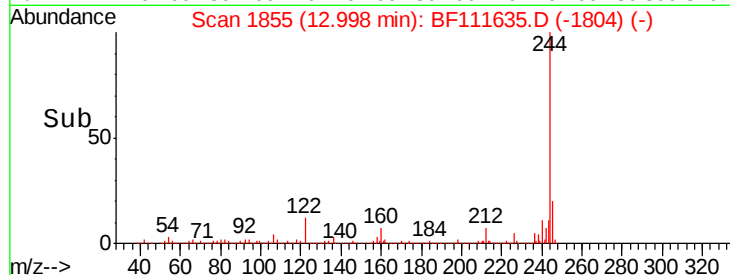
122 11.8 13.1 19.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 42.679 ng

RT: 13.47 min Scan# 1936

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

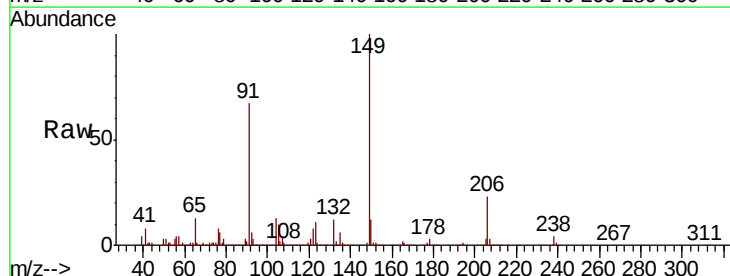
Tgt Ion:149 Resp: 534343

Ion Ratio Lower Upper

149 100

91 67.1 63.8 95.6

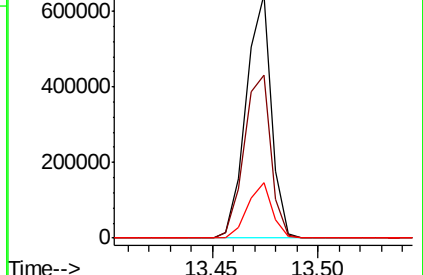
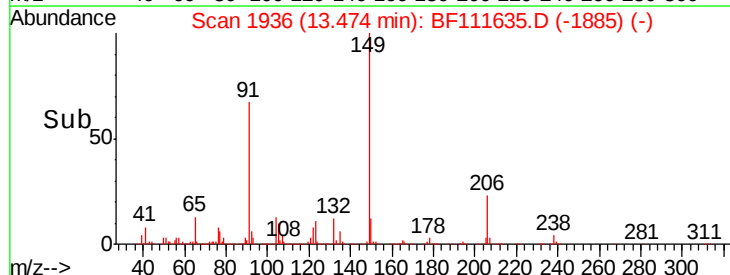
206 22.9 15.1 22.7#

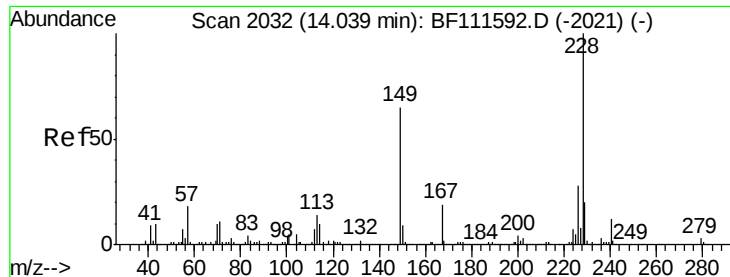


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 44.444 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

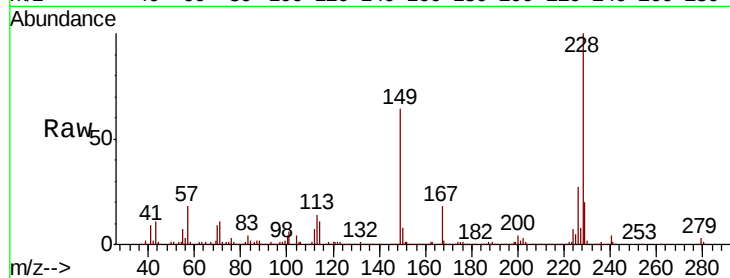
Tgt Ion:228 Resp: 1103189

Ion Ratio Lower Upper

228 100

226 26.9 22.6 34.0

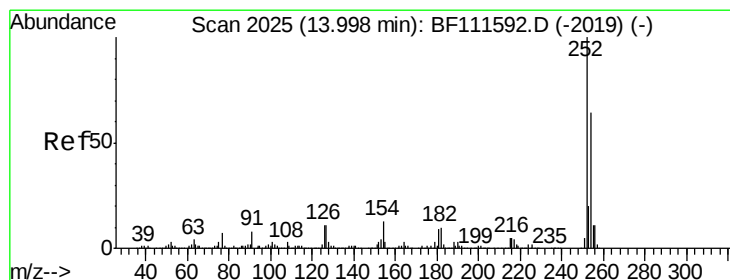
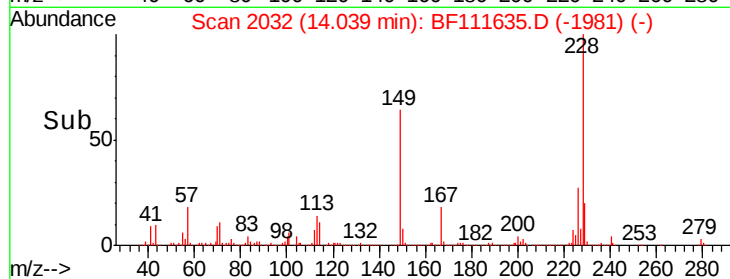
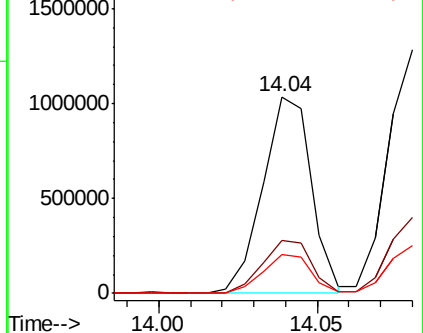
229 19.9 16.3 24.5



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



#82

3,3'-Dichlorobenzidine

Concen: 34.083 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

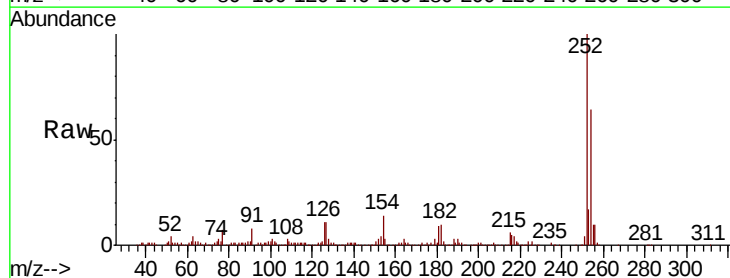
Tgt Ion:252 Resp: 334262

Ion Ratio Lower Upper

252 100

254 63.6 52.7 79.1

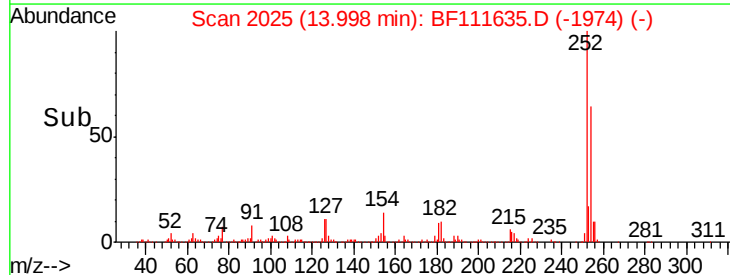
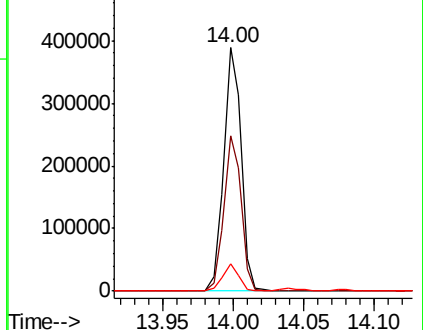
126 11.3 11.1 16.7

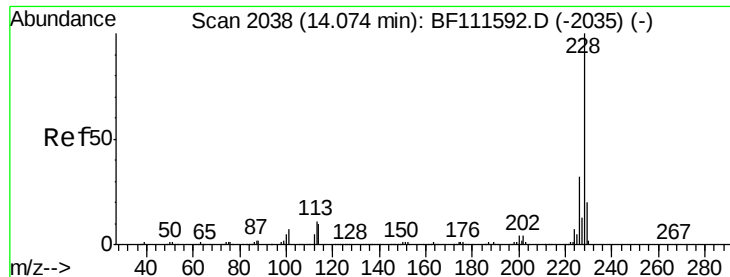


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.958 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

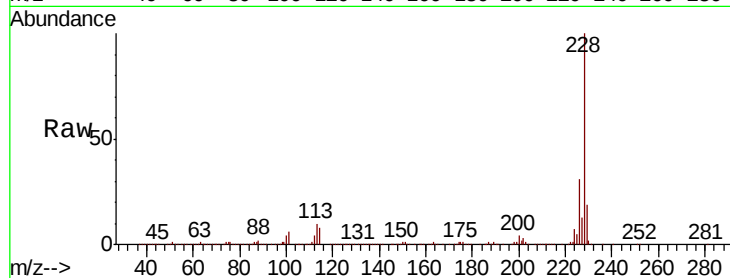
Tgt Ion:228 Resp: 1072412

Ion Ratio Lower Upper

228 100

226 31.3 25.3 37.9

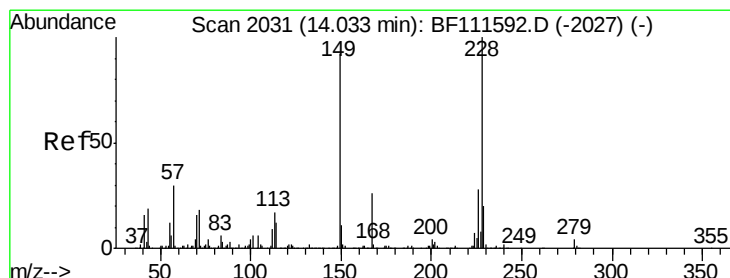
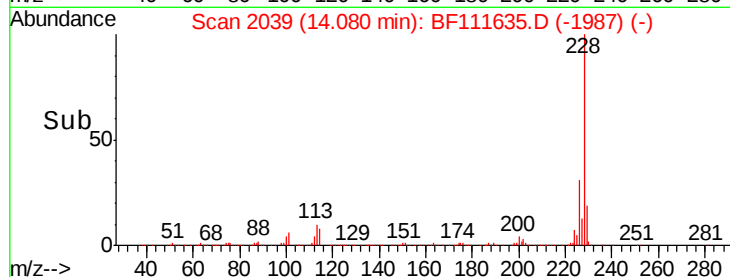
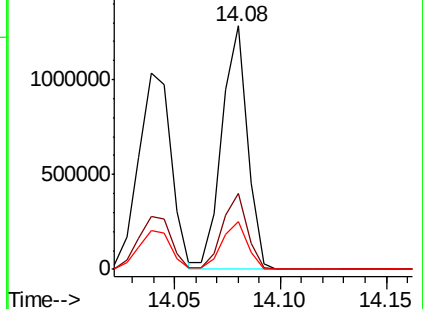
229 19.4 17.2 25.8



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: 44.440 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

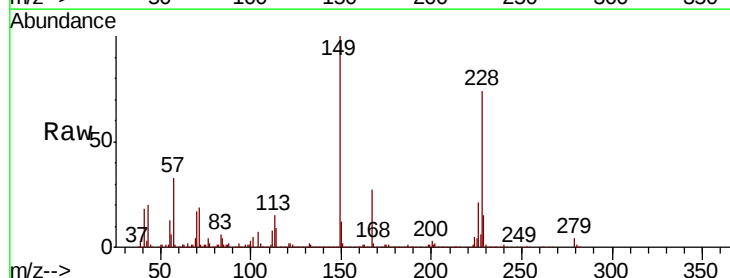
Tgt Ion:149 Resp: 700833

Ion Ratio Lower Upper

149 100

167 26.6 22.5 33.7

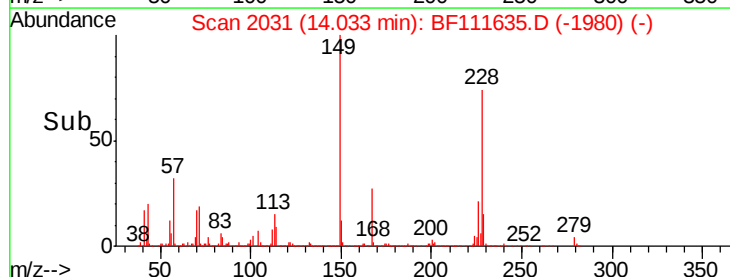
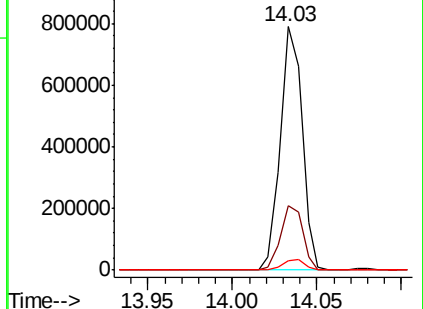
279 3.7 2.6 4.0

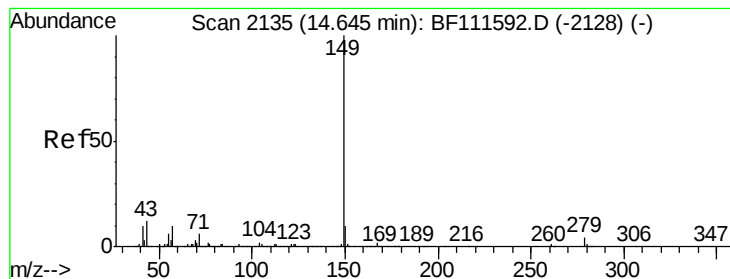


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 48.926 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.00 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

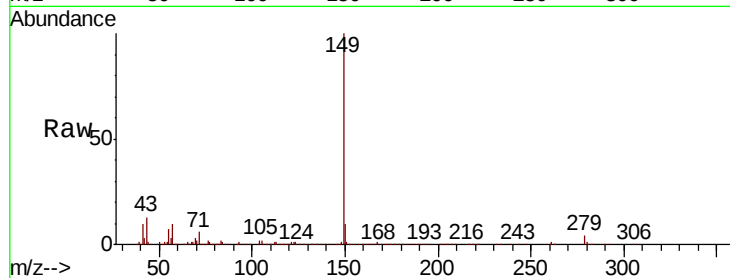
Tgt Ion:149 Resp: 1195462

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

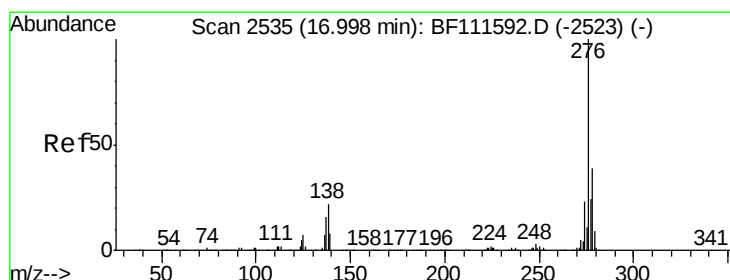
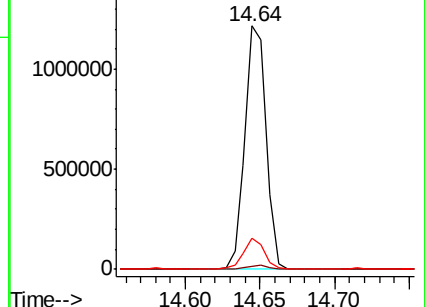
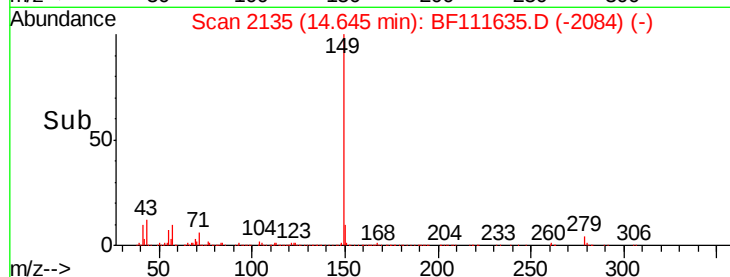
43 11.7 10.9 16.3



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: 50.045 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

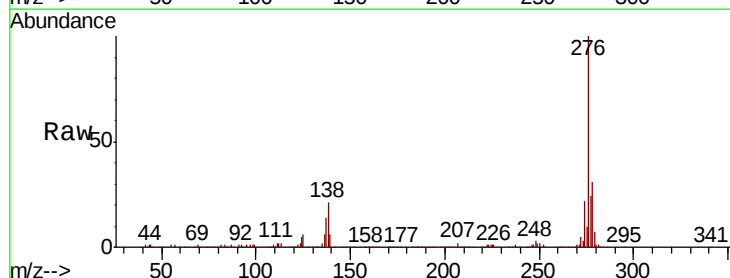
Tgt Ion:276 Resp: 1037895

Ion Ratio Lower Upper

276 100

138 23.6 27.8 41.6#

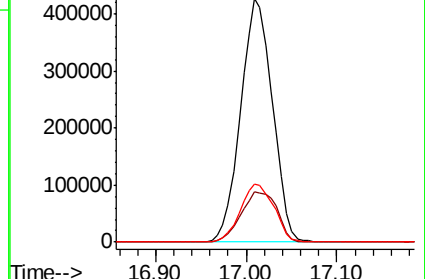
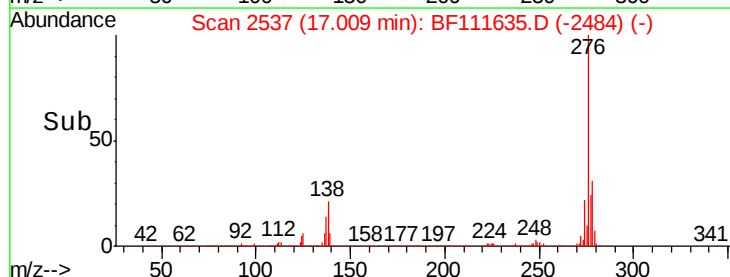
277 25.3 20.1 30.1

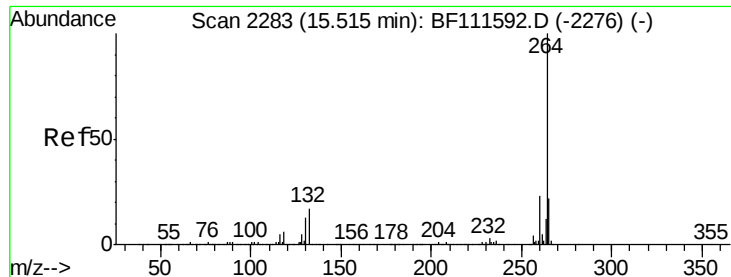


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.53 min Scan# 2285

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

Instrument :

BNA_F

ClientSampleId :

VB-1MS

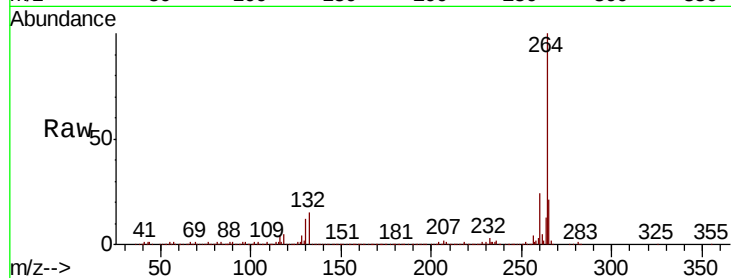
Tgt Ion:264 Resp: 459347

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

265 21.0 17.7 26.5

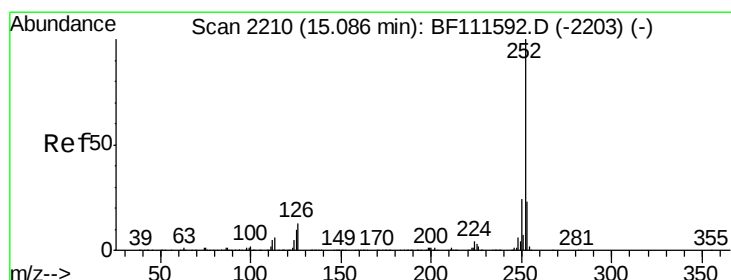
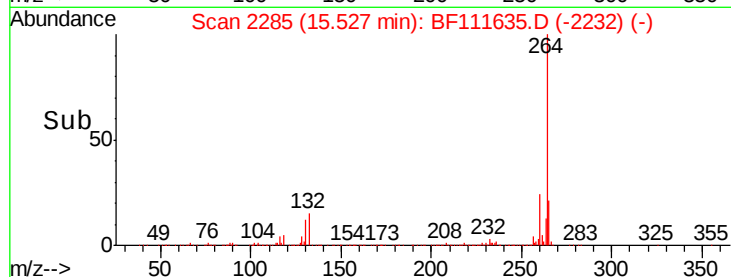
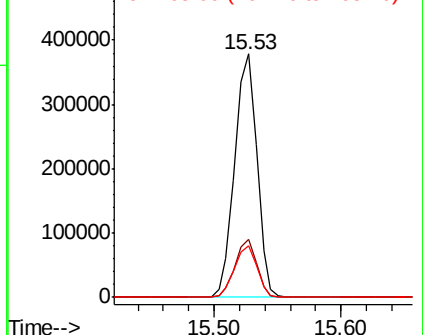


Abundance

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: 43.662 ng

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF111635.D

Acq: 20 Dec 2018 13:17

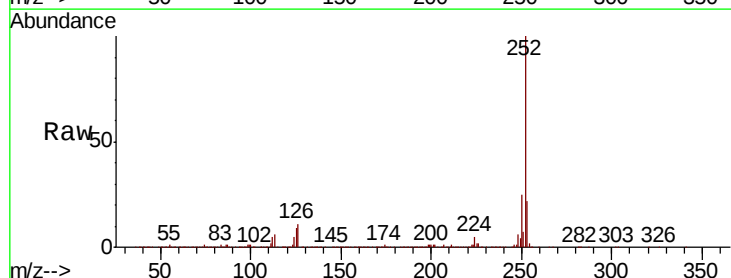
Tgt Ion:252 Resp: 1172143

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

125 9.4 10.4 15.6#

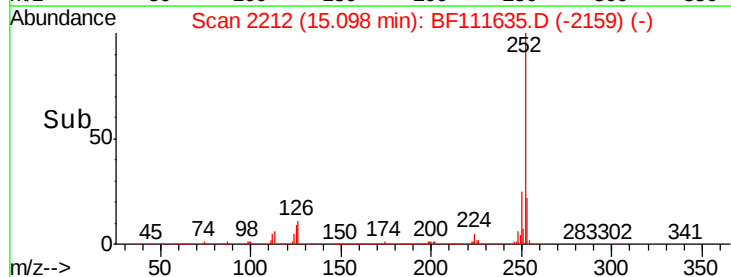
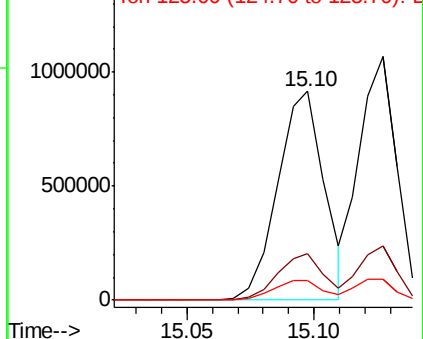


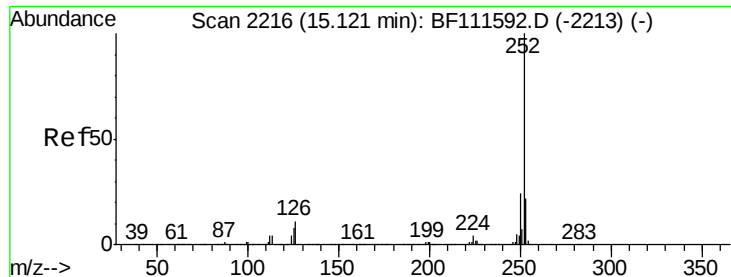
Abundance

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

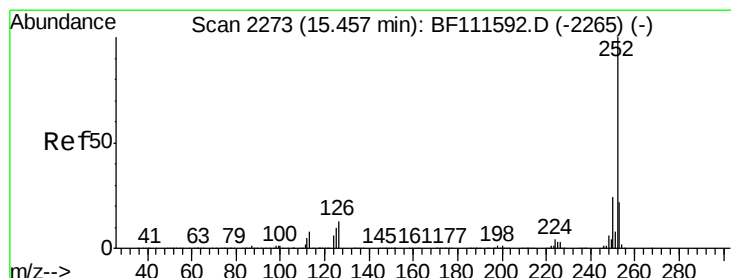
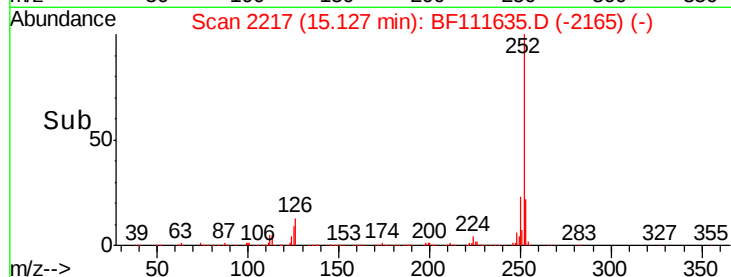
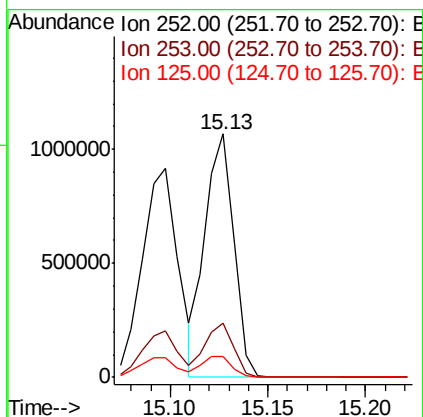
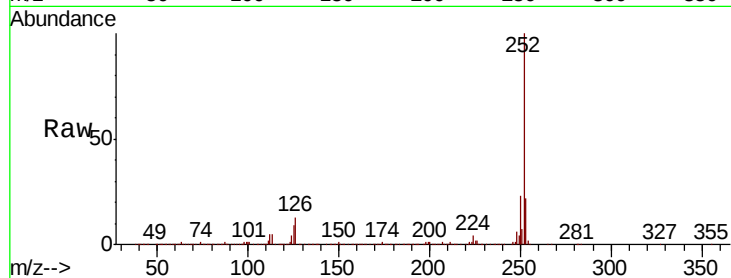




#89
Benzo(k)fluoranthene
Concen: 42.969 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

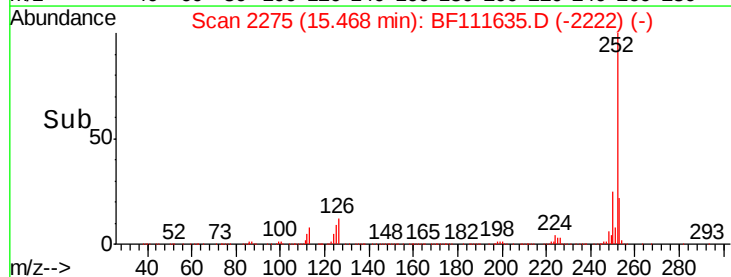
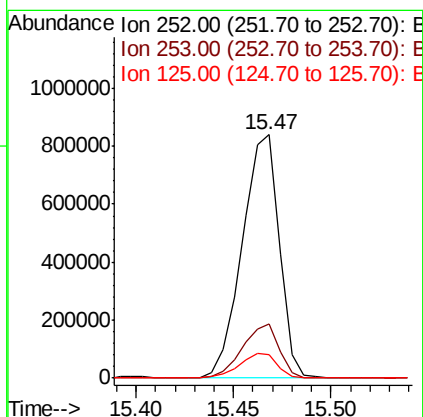
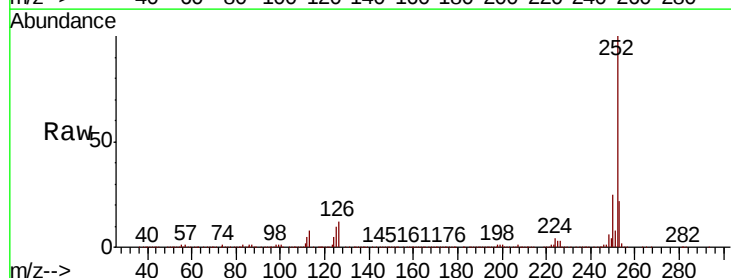
Instrument :
BNA_F
ClientSampleId :
VB-1MS

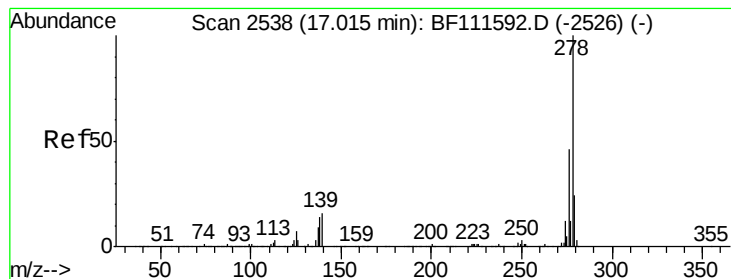
Tgt Ion:252 Resp: 1098221
Ion Ratio Lower Upper
252 100
253 22.2 18.1 27.1
125 8.7 9.8 14.8#



#90
Benzo(a)pyrene
Concen: 45.287 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion:252 Resp: 1104542
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 9.6 12.3 18.5#

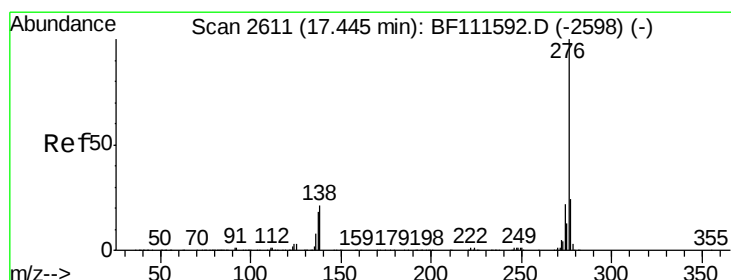
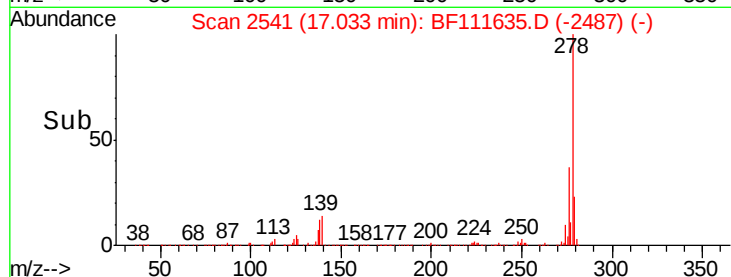
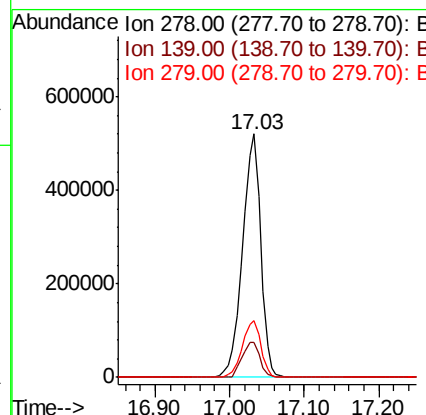
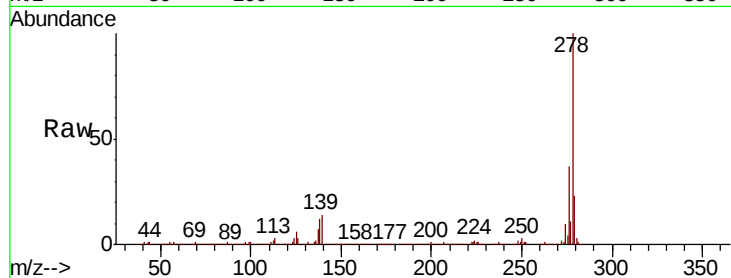




#91
Dibenzo(a,h)anthracene
Concen: 41.303 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Instrument :
BNA_F
ClientSampleId :
VB-1MS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.1	18.2	27.4#
279	23.5	19.0	28.6



#92
Benzo(g,h,i)perylene
Concen: 38.871 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.02 min
Lab File: BF111635.D
Acq: 20 Dec 2018 13:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	19.7	24.9	37.3#

