

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117903.D
 Acq On : 21 Nov 2019 11:13
 Operator : JU
 Sample : K5904-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

Quant Time: Nov 21 15:15:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	141632	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	628588	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	343659	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	674513	20.00	ng	0.00
76) Chrysene-d12	14.12	240	521087	20.00	ng	0.00
87) Perylene-d12	15.62	264	527489	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	632841	79.09	ng	0.00
7) Phenol-d6	6.54	99	871289	90.28	ng	0.00
23) Nitrobenzene-d5	7.48	82	561667	53.12	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	289492	79.57	ng	0.00
45) 2-Fluorobiphenyl	9.28	172	1221209	63.75	ng	-0.01
79) Terphenyl-d14	13.05	244	1533221	53.77	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	119084	31.840	ng	98
3) Pyridine	3.49	79	304626	31.050	ng	97
4) n-Nitrosodimethylamine	3.43	42	158207	36.941	ng	98
6) Aniline	6.57	93	200370	15.711	ng	99
8) 2-Chlorophenol	6.70	128	386830	44.555	ng	97
9) Benzaldehyde	6.46	77	185033	26.757	ng	97
10) Phenol	6.55	94	486541	48.515	ng	99
11) bis(2-Chloroethyl)ether	6.65	93	336753	41.815	ng	99
12) 1,3-Dichlorobenzene	6.86	146	421844	41.270	ng	98
13) 1,4-Dichlorobenzene	6.93	146	426986	41.327	ng	100
14) 1,2-Dichlorobenzene	7.09	146	412184	41.714	ng	99
15) Benzyl Alcohol	7.05	79	338730	45.461	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.19	45	461586	37.227	ng	98
17) 2-Methylphenol	7.16	107	317501	43.183	ng	97
18) Hexachloroethane	7.43	117	154255	40.642	ng	96
19) n-Nitroso-di-n-propylamine	7.33	70	255041	42.836	ng	98
20) 3+4-Methylphenols	7.32	107	399355	43.756	ng	# 86
22) Acetophenone	7.32	105	520416	36.850	ng	94
24) Nitrobenzene	7.50	77	410011	37.586	ng	98
25) Isophorone	7.74	82	781973	40.348	ng	98
26) 2-Nitrophenol	7.82	139	236985	44.634	ng	94
27) 2,4-Dimethylphenol	7.85	122	369964	44.842	ng	98
28) bis(2-Chloroethoxy)methane	7.95	93	489827	39.828	ng	99
29) 2,4-Dichlorophenol	8.06	162	377800	42.216	ng	99
30) 1,2,4-Trichlorobenzene	8.15	180	408215	39.325	ng	99
31) Naphthalene	8.23	128	1269245	43.313	ng	99
32) Benzoic acid	7.92	122	43187	6.252	ng	98
33) 4-Chloroaniline	8.27	127	122727	9.355	ng	97
34) Hexachlorobutadiene	8.35	225	231158	38.087	ng	99
35) Caprolactam	8.64	113	83999	29.533	ng	89
36) 4-Chloro-3-methylphenol	8.75	107	402523	44.319	ng	93
37) 2-Methylnaphthalene	8.92	142	870763	43.978	ng	99
38) 1-Methylnaphthalene	9.02	142	821485	43.886	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.09	216	387162	38.793	ng	99

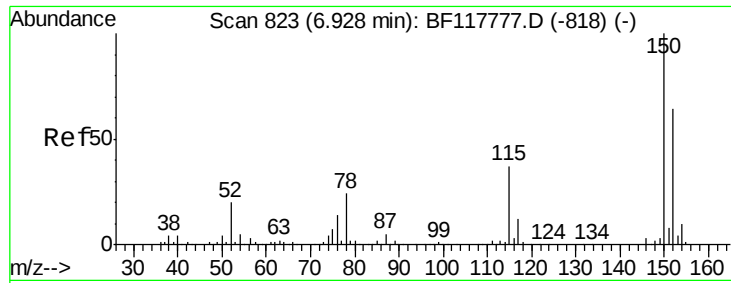
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117903.D
 Acq On : 21 Nov 2019 11:13
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.07	237	475510	85.020	ng	99
43) 2,4,6-Trichlorophenol	9.20	196	274966	38.465	ng	99
44) 2,4,5-Trichlorophenol	9.24	196	300368	40.470	ng	98
46) 1,1'-Biphenyl	9.39	154	1058829	41.529	ng	98
47) 2-Chloronaphthalene	9.41	162	831317	39.634	ng	98
48) 2-Nitroaniline	9.50	65	249660	39.426	ng	94
49) Acenaphthylene	9.83	152	1330385	43.505	ng	99
50) Dimethylphthalate	9.69	163	1101740	45.718	ng	99
51) 2,6-Dinitrotoluene	9.75	165	214465	40.720	ng	98
52) Acenaphthene	10.00	154	838043	42.780	ng	99
53) 3-Nitroaniline	9.91	138	114130	18.109	ng	98
54) 2,4-Dinitrophenol	10.02	184	117547	46.738	ng	90
55) Dibenzofuran	10.17	168	1174451	43.295	ng	99
56) 4-Nitrophenol	10.07	139	386169	82.090	ng	98
57) 2,4-Dinitrotoluene	10.15	165	308277	46.013	ng	98
58) Fluorene	10.52	166	896938	42.669	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.29	232	230642	37.821	ng	98
60) Diethylphthalate	10.39	149	997413	42.452	ng	99
61) 4-Chlorophenyl-phenylether	10.51	204	457367	42.873	ng	99
62) 4-Nitroaniline	10.53	138	247297	39.190	ng	99
63) Azobenzene	10.67	77	927464	43.391	ng	98
65) 4,6-Dinitro-2-methylphenol	10.56	198	106357	33.776	ng	93
66) n-Nitrosodiphenylamine	10.63	169	814199	41.477	ng	100
67) 4-Bromophenyl-phenylether	11.00	248	289618	39.794	ng	98
68) Hexachlorobenzene	11.07	284	330032	38.890	ng	99
69) Atrazine	11.16	200	298226	46.183	ng	99
70) Pentachlorophenol	11.26	266	289196	58.329	ng	98
71) Phenanthrene	11.49	178	1477805	43.577	ng	98
72) Anthracene	11.54	178	1470601	43.738	ng	99
73) Carbazole	11.69	167	1329736	45.257	ng	99
74) Di-n-butylphthalate	12.02	149	1606297	43.908	ng	99
75) Fluoranthene	12.68	202	1610939	53.604	ng	100
77) Benzidine	12.80	184	402132	23.560	ng	98
78) Pyrene	12.91	202	1621922	38.515	ng	100
80) Butylbenzylphthalate	13.52	149	728826	40.295	ng	93
81) Benzo(a)anthracene	14.10	228	1465131	42.549	ng	100
82) 3,3'-Dichlorobenzidine	14.06	252	218021	18.101	ng	99
83) Chrysene	14.14	228	1388715	41.620	ng	98
84) Bis(2-ethylhexyl)phthalate	14.09	149	1001810	45.686	ng	99
85) Di-n-octyl phthalate	14.70	149	1602263	49.738	ng	99
86) Indeno(1,2,3-cd)pyrene	17.16	276	1466885	51.654	ng	99
88) Benzo(b)fluoranthene	15.17	252	1333938	38.923	ng	100
89) Benzo(k)fluoranthene	15.20	252	1298596	40.215	ng	99
90) Benzo(a)pyrene	15.56	252	1223528	40.600	ng	100
91) Dibenzo(a,h)anthracene	17.19	278	1187941	45.798	ng	99
92) Benzo(g,h,i)perylene	17.63	276	1236740	47.870	ng	99

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

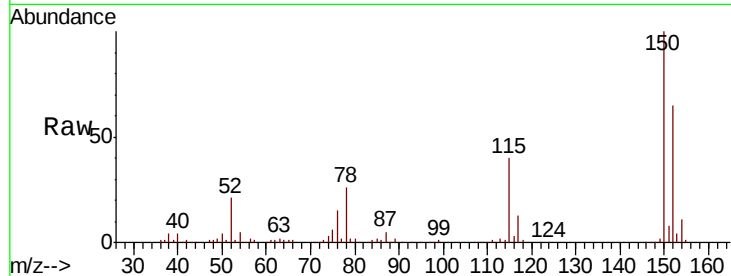


#1

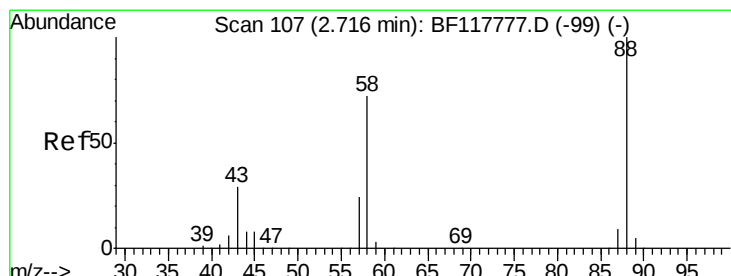
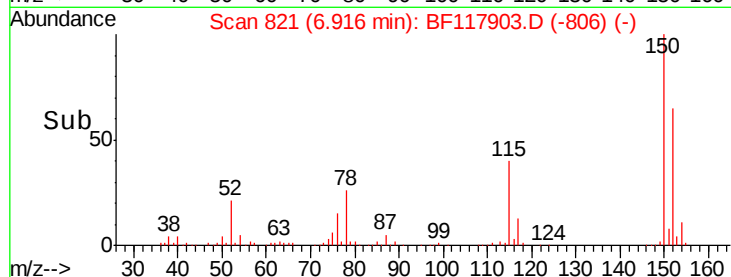
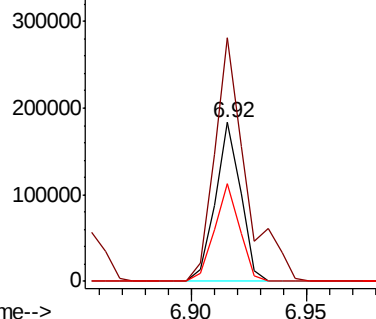
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:152 Resp: 141632
Ion Ratio Lower Upper
152 100
150 153.6 125.3 187.9
115 61.6 47.0 70.4



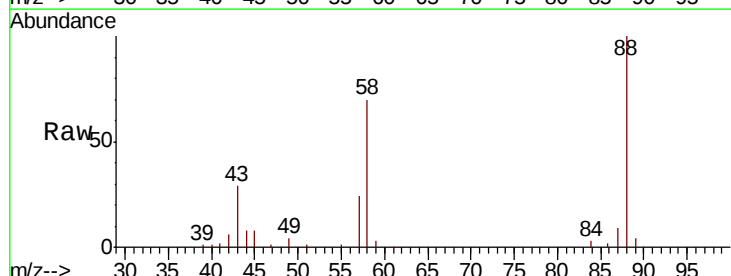
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



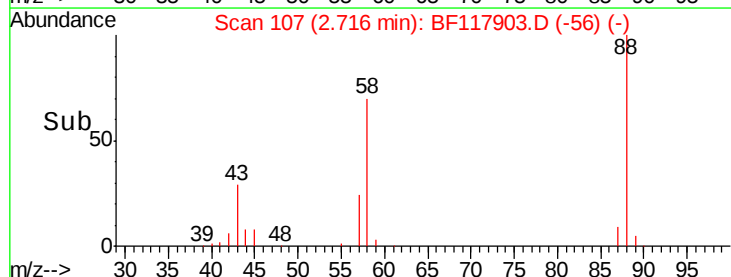
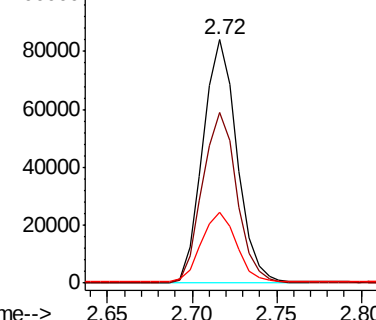
#2

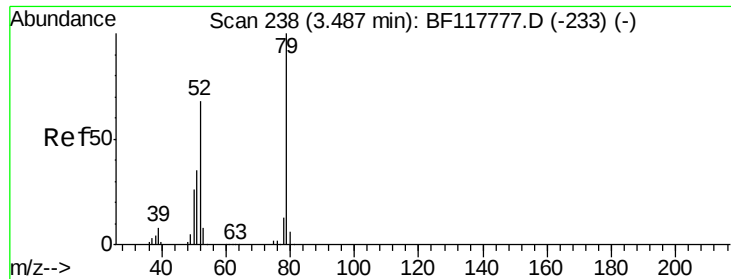
1,4-Dioxane
Concen: 31.840 ng
RT: 2.72 min Scan# 107
Delta R.T. -0.00 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion: 88 Resp: 119084
Ion Ratio Lower Upper
88 100
58 70.2 58.2 87.2
43 29.0 23.3 34.9



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

Pvridine

Concen: 31.050 ng

RT: 3.49 min Scan# 238

Delta R.T. -0.00 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

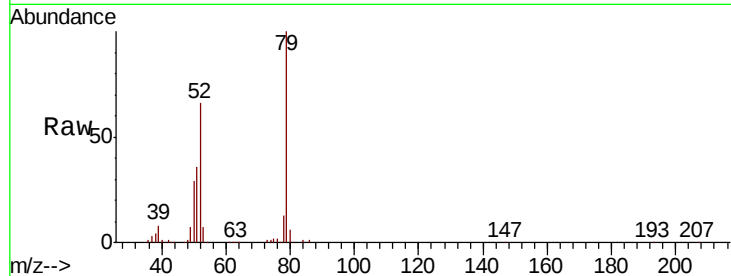
Tot Ion: 79 Resp: 304626

Ion Ratio Lower Upper

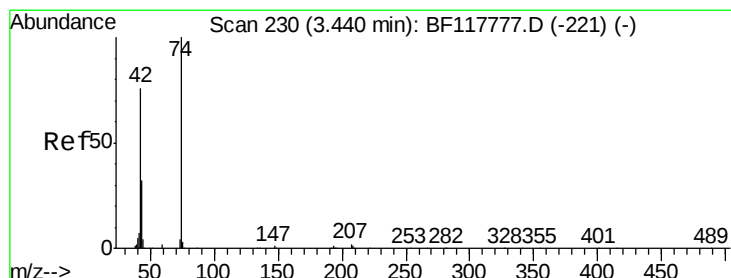
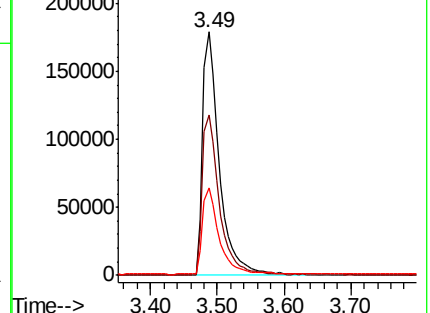
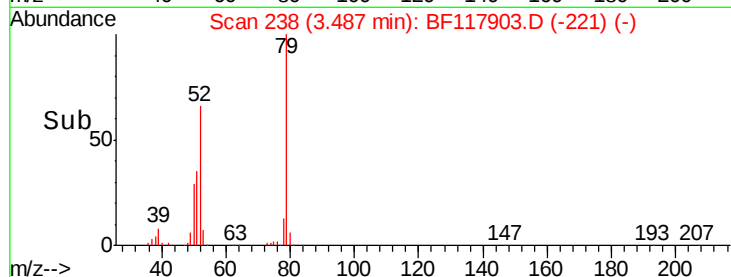
79 100

52 65.8 54.8 82.2

51 36.0 28.2 42.4



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: 36.941 ng

RT: 3.43 min Scan# 229

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

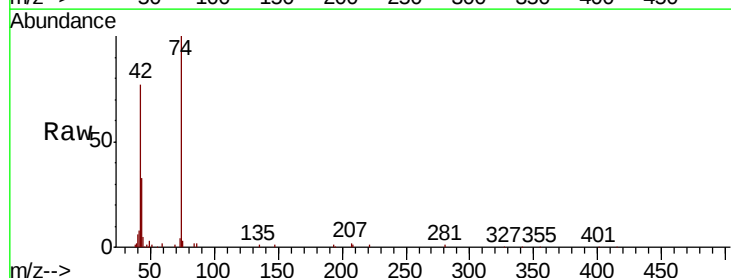
Tgt Ion: 42 Resp: 158207

Ion Ratio Lower Upper

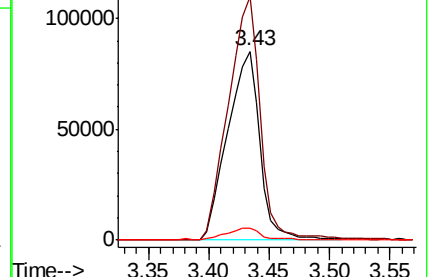
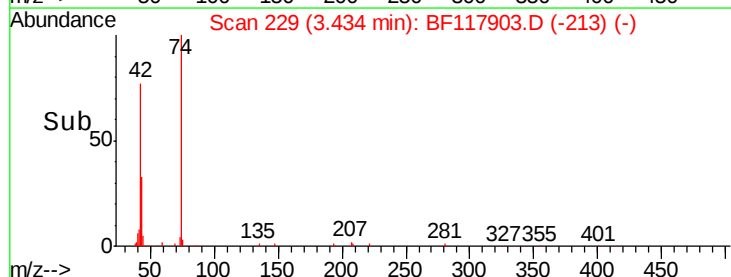
42 100

74 129.1 105.1 157.7

44 6.5 4.6 7.0



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: 79.092 ng

RT: 5.53 min Scan# 585

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

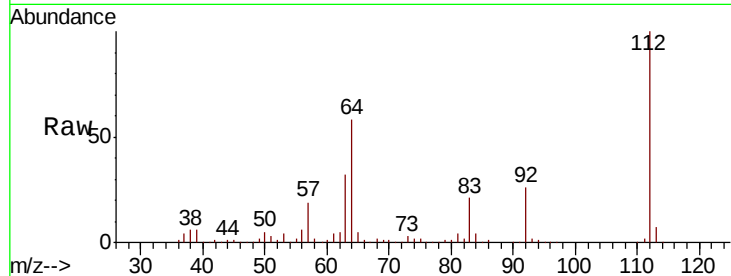
Tot Ion:112 Resp: 632841

Ion Ratio Lower Upper

112 100

64 57.6 45.6 68.4

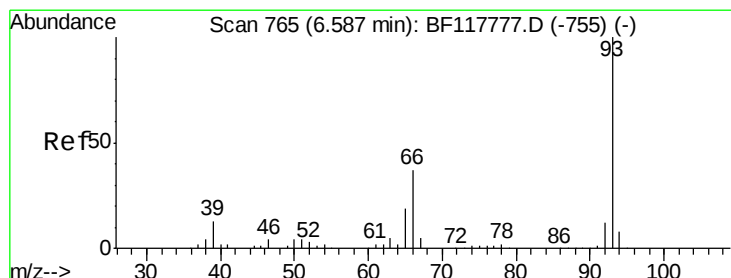
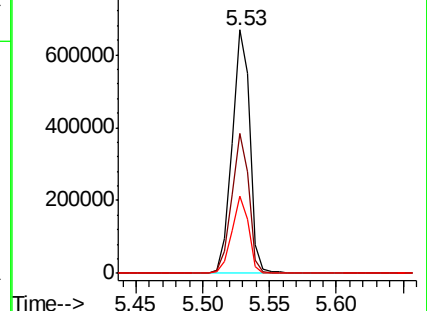
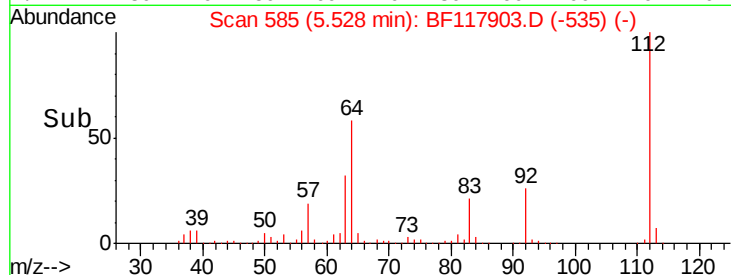
63 31.7 24.1 36.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 15.711 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

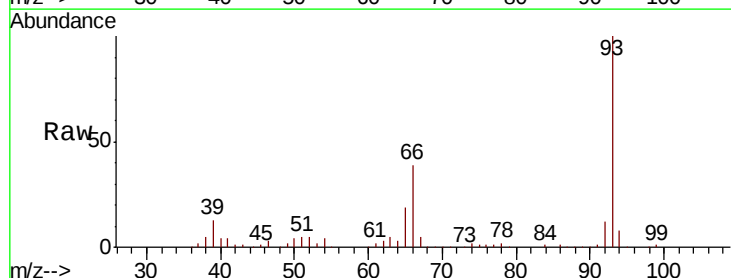
Tgt Ion: 93 Resp: 200370

Ion Ratio Lower Upper

93 100

66 39.0 30.6 45.8

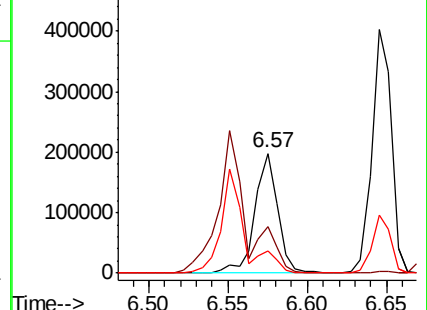
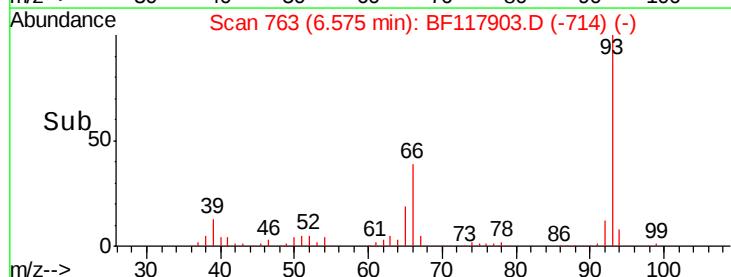
65 19.1 15.6 23.4

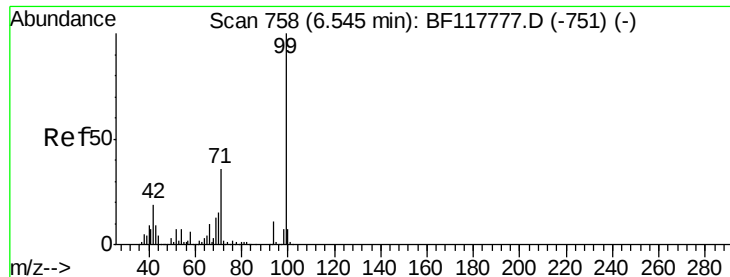


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 90.281 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

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ClientSampleId :

1-(2-4)MSD

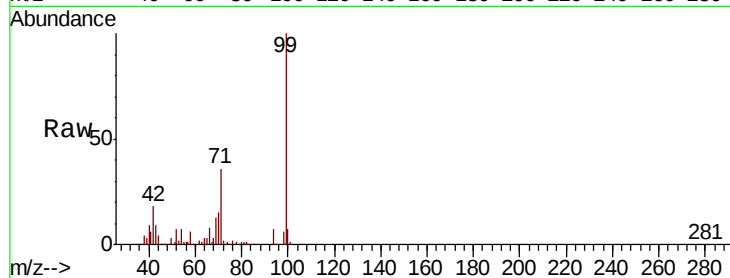
Tot Ion: 99 Resp: 871289

Ion Ratio Lower Upper

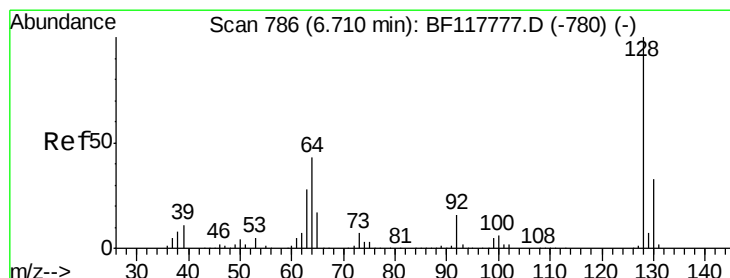
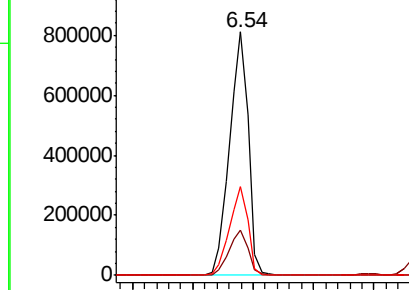
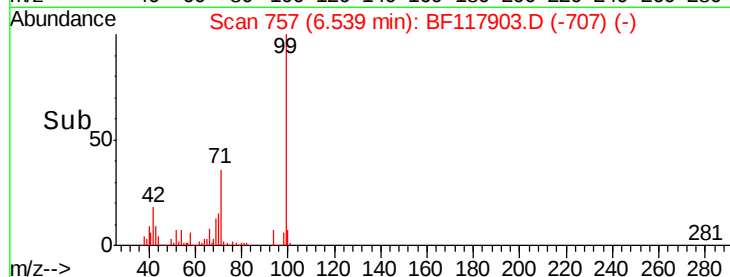
99 100

42 18.5 14.9 22.3

71 36.4 28.6 43.0



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: 44.555 ng

RT: 6.70 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

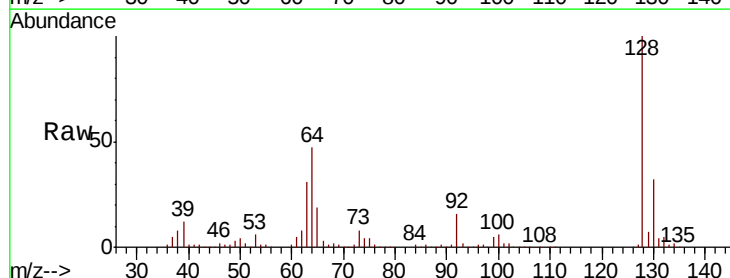
Tgt Ion: 128 Resp: 386830

Ion Ratio Lower Upper

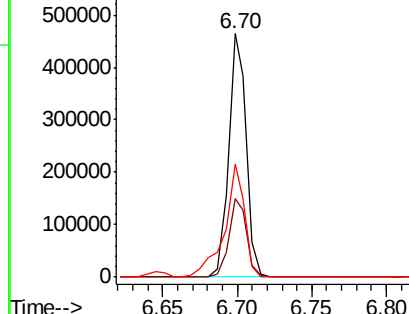
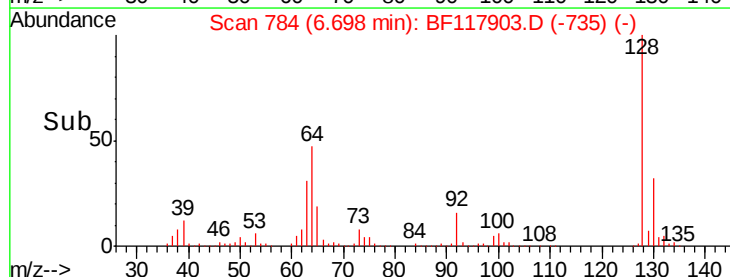
128 100

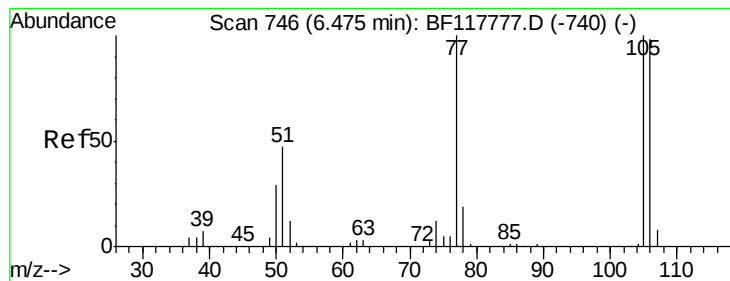
130 32.2 13.2 53.2

64 46.6 23.7 63.7



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: 26.757 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

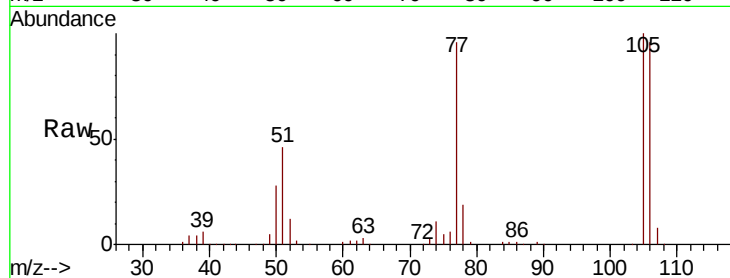
Tot Ion: 77 Resp: 185033

Ion Ratio Lower Upper

77 100

105 104.4 80.2 120.2

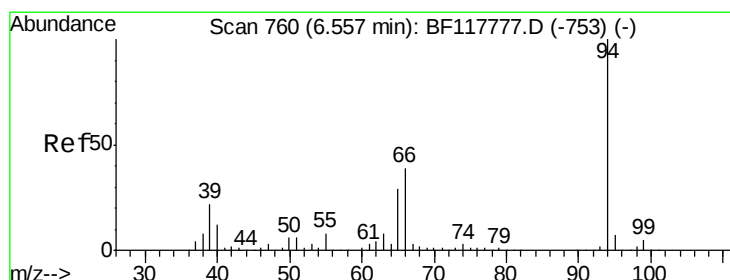
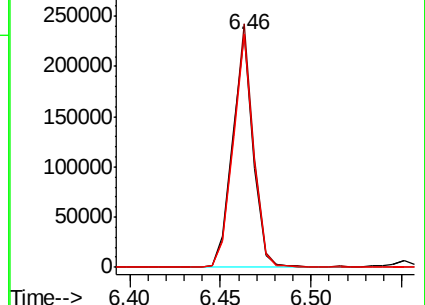
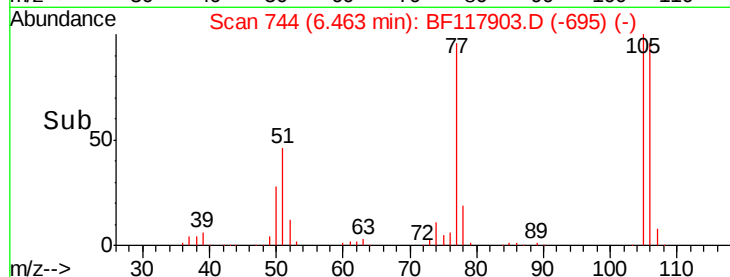
106 100.1 78.4 118.4



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: 48.515 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

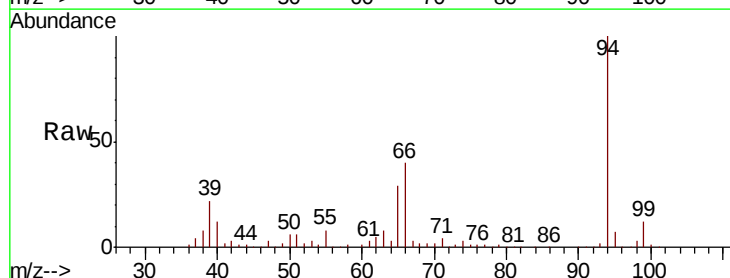
Tgt Ion: 94 Resp: 486541

Ion Ratio Lower Upper

94 100

65 28.9 8.9 48.9

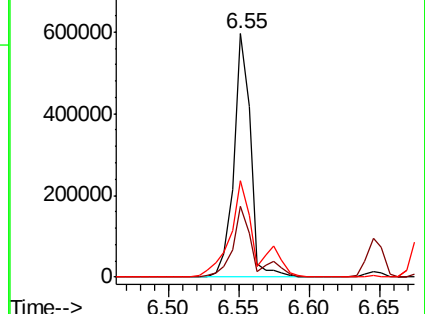
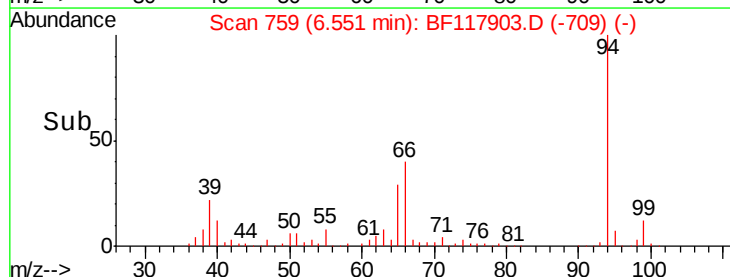
66 39.6 18.7 58.7

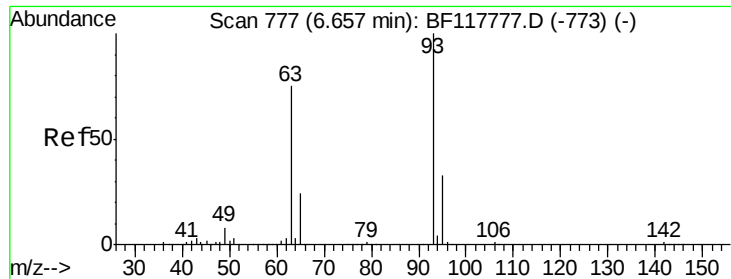


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

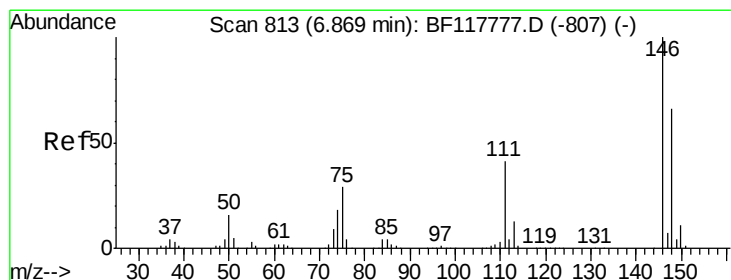
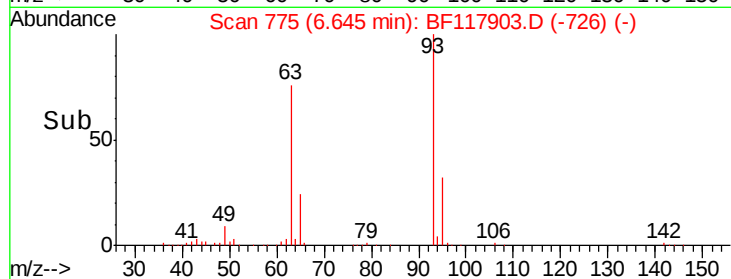
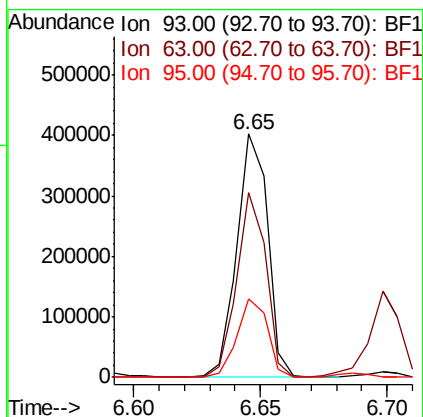
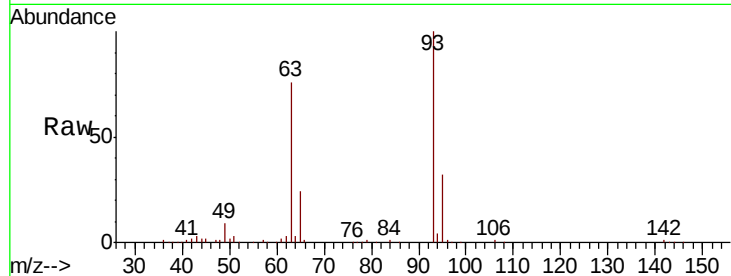




#11
bis(2-Chloroethyl)ether
Concen: 41.815 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

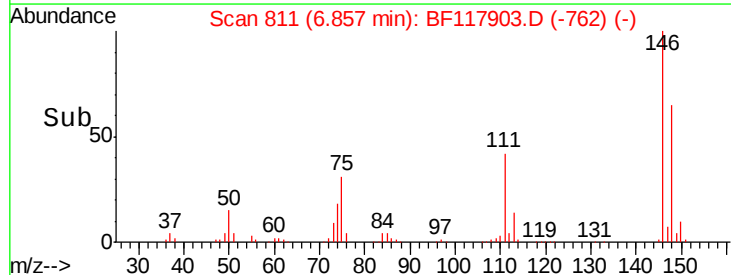
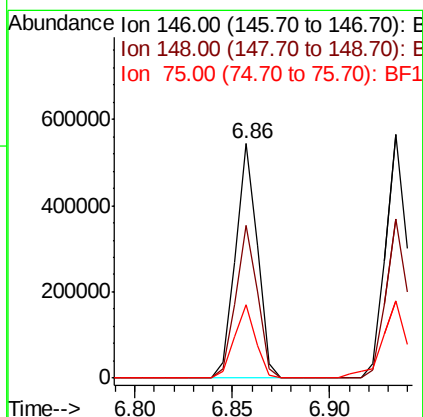
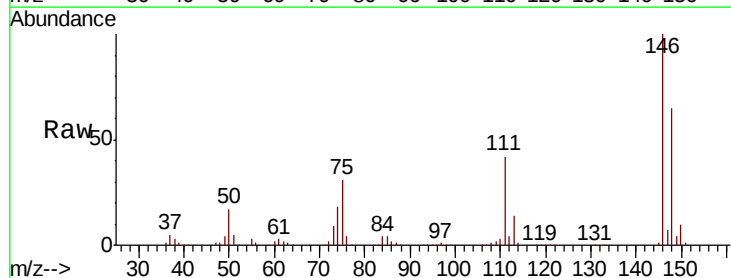
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

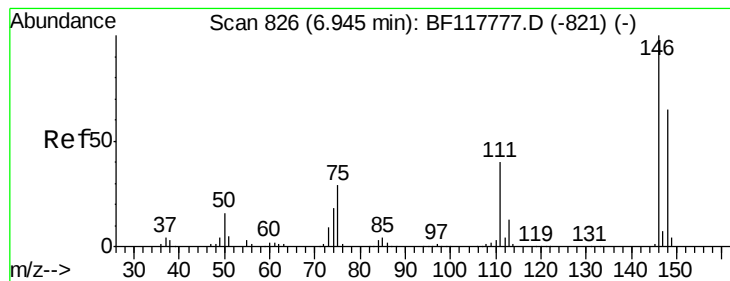
Tot Ion: 93 Resp: 336753
Ion Ratio Lower Upper
93 100
63 75.9 54.8 94.8
95 32.5 12.7 52.7



#12
1,3-Dichlorobenzene
Concen: 41.270 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion: 146 Resp: 421844
Ion Ratio Lower Upper
146 100
148 65.0 52.8 79.2
75 31.4 23.4 35.0

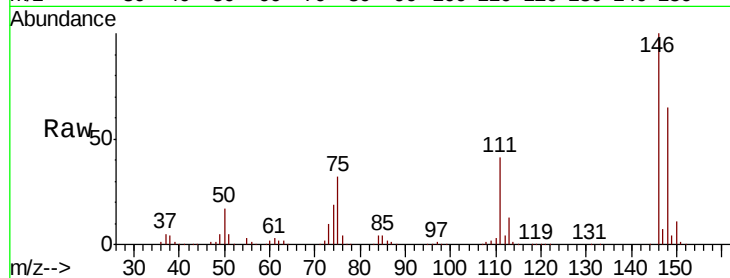




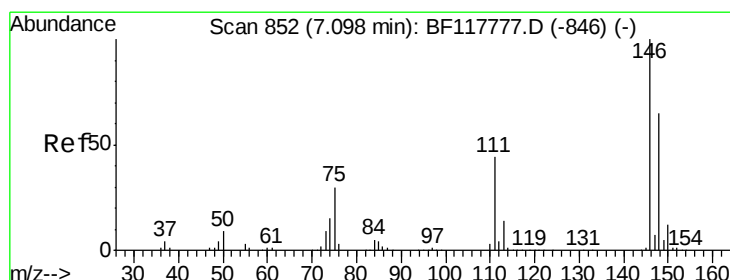
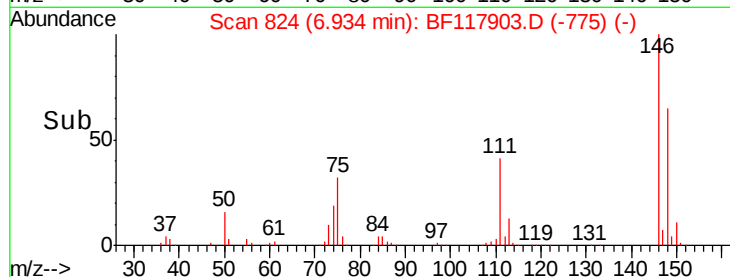
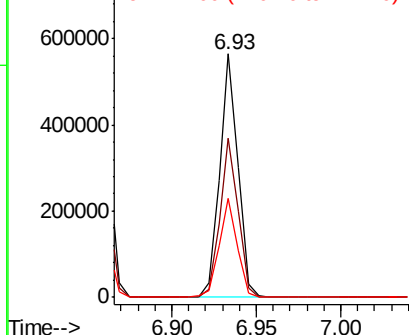
#13
 1,4-Dichlorobenzene
 Concen: 41.327 ng
 RT: 6.93 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

Tot Ion:146 Resp: 426986
 Ion Ratio Lower Upper
 146 100
 148 65.1 52.3 78.5
 111 40.6 32.2 48.4

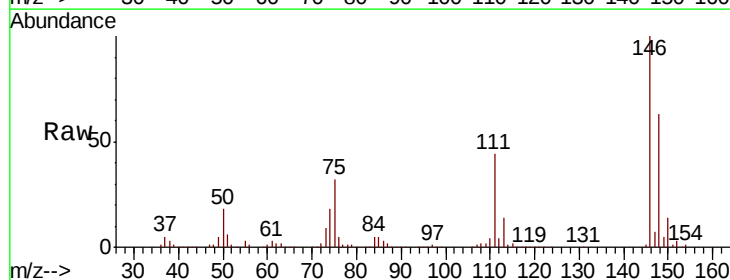


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

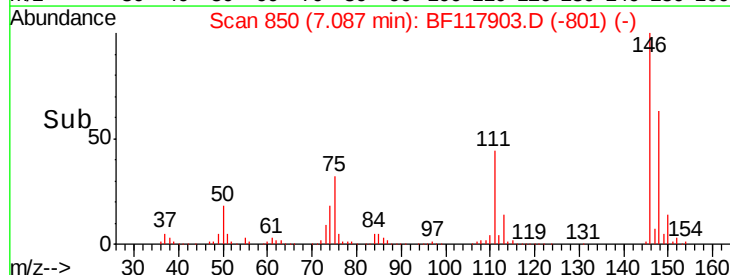
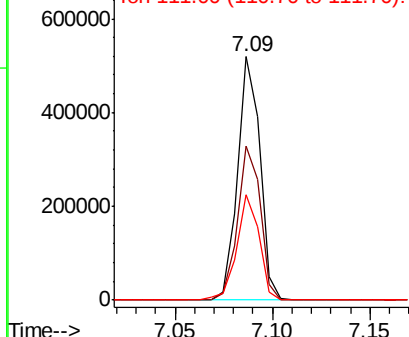


#14
 1,2-Dichlorobenzene
 Concen: 41.714 ng
 RT: 7.09 min Scan# 850
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion:146 Resp: 412184
 Ion Ratio Lower Upper
 146 100
 148 63.4 51.8 77.8
 111 43.5 35.0 52.6



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





#15

Benzyl Alcohol

Concen: 45.461 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

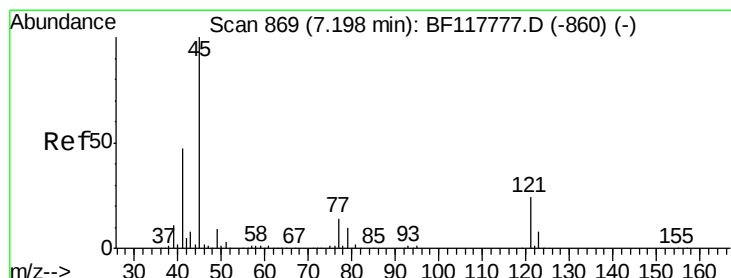
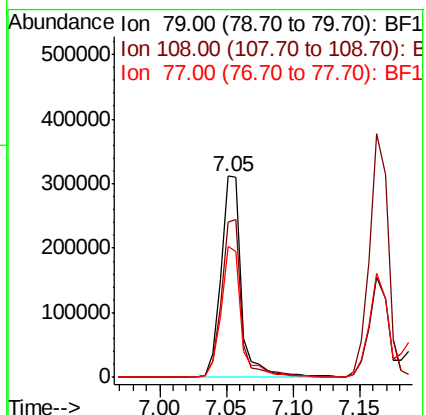
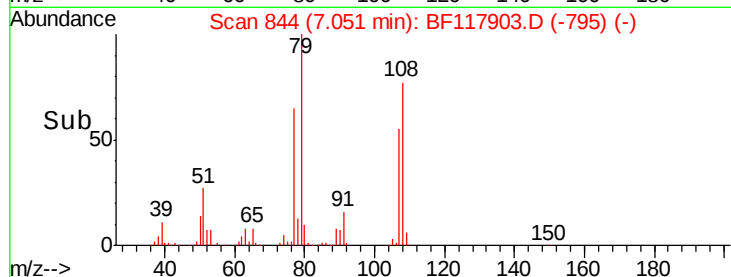
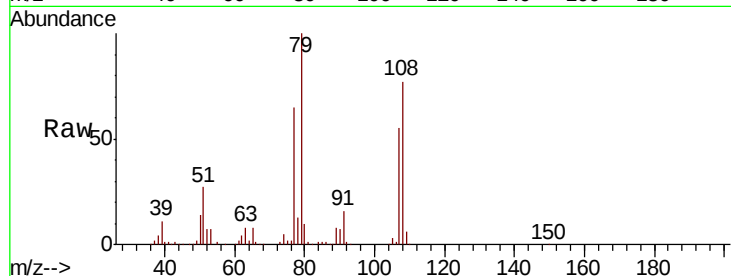
Tot Ion: 79 Resp: 338730

Ion Ratio Lower Upper

79 100

108 77.3 64.1 96.1

77 64.9 51.3 76.9



#16

2,2'-oxybis(1-chloropropane)

Concen: 37.227 ng

RT: 7.19 min Scan# 868

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

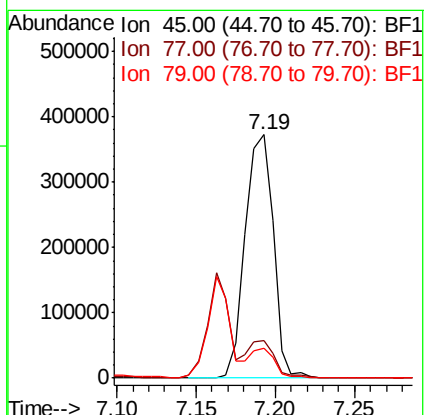
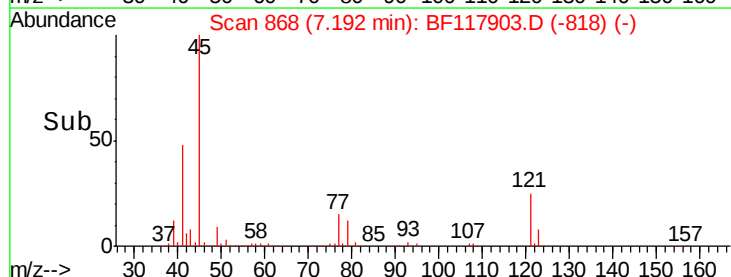
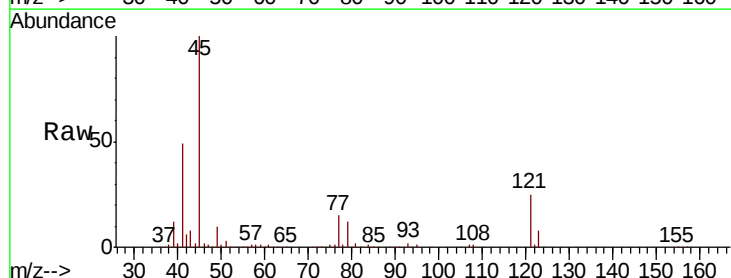
Tgt Ion: 45 Resp: 461586

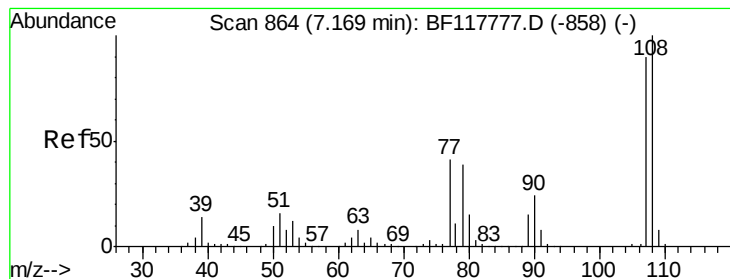
Ion Ratio Lower Upper

45 100

77 15.5 0.0 35.0

79 12.1 0.0 31.1

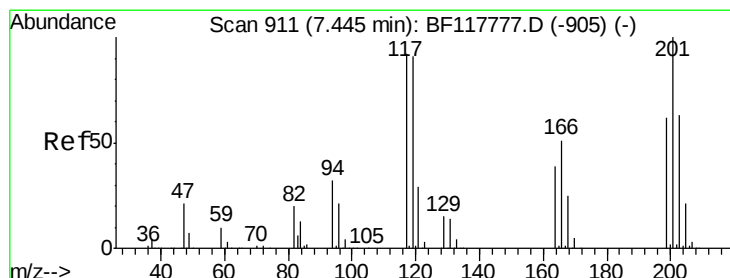
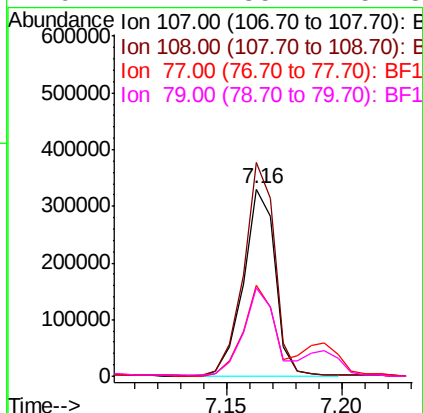
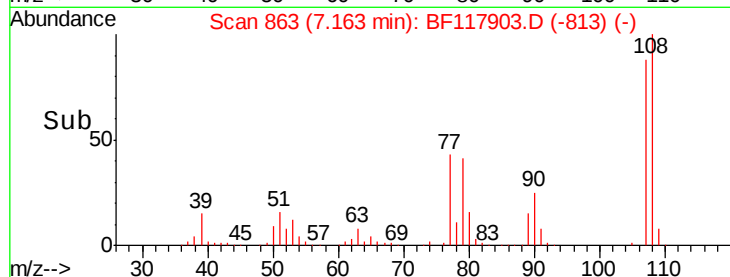
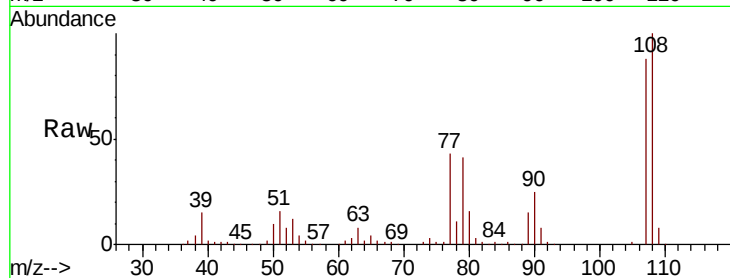




#17
2-Methylphenol
Concen: 43.183 ng
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

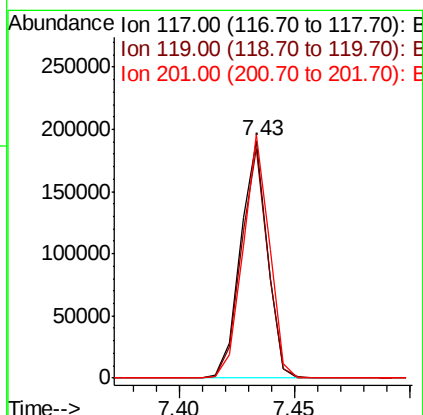
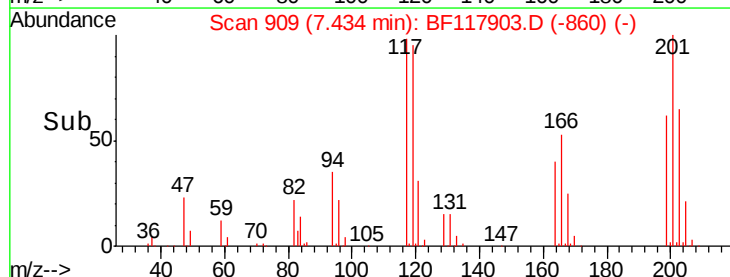
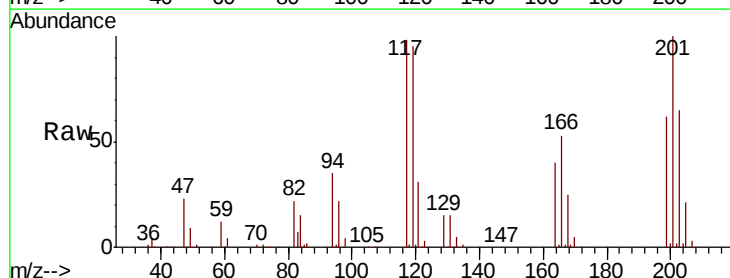
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

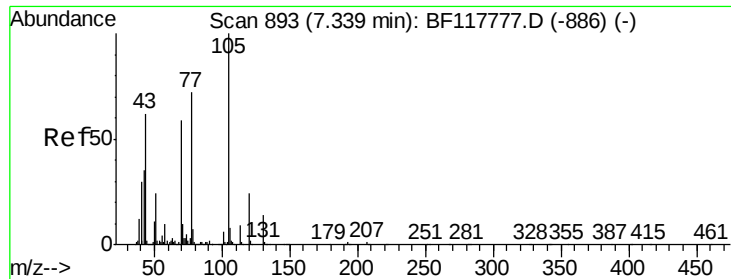
Tot Ion:	107	Resp:	317501
Ion	Ratio	Lower	Upper
107	100		
108	113.9	89.1	133.7
77	48.6	36.6	54.8
79	47.2	35.2	52.8



#18
Hexachloroethane
Concen: 40.642 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:	117	Resp:	154255
Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.7	118.1
201	102.4	86.5	129.7

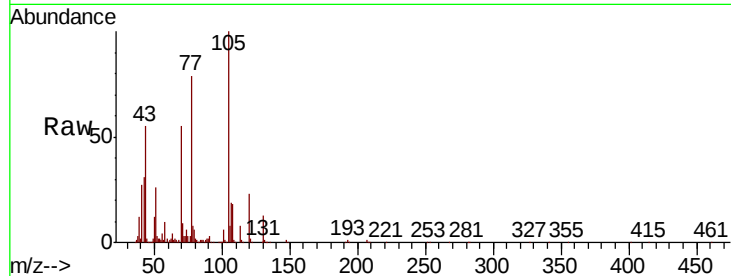




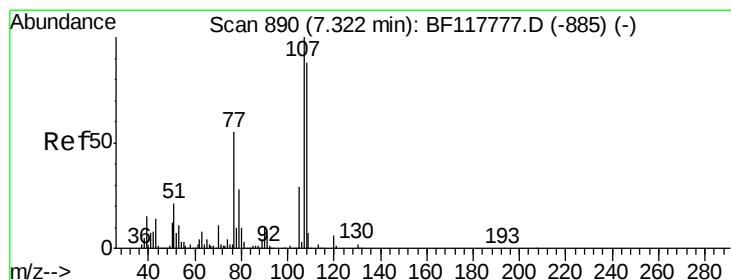
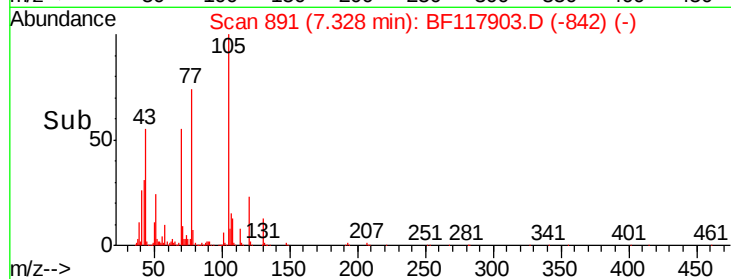
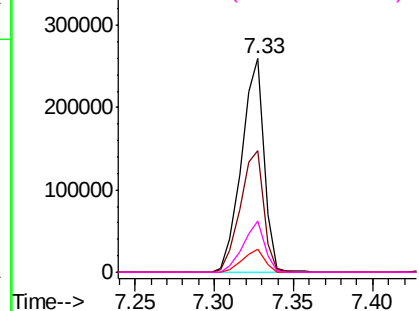
#19
n-Nitroso-di-n-propylamine
Concen: 42.836 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:	70	Resp:	255041
Ion	Ratio	Lower	Upper
70	100		
42	56.9	47.4	71.2
101	10.7	8.4	12.6
130	24.0	18.8	28.2

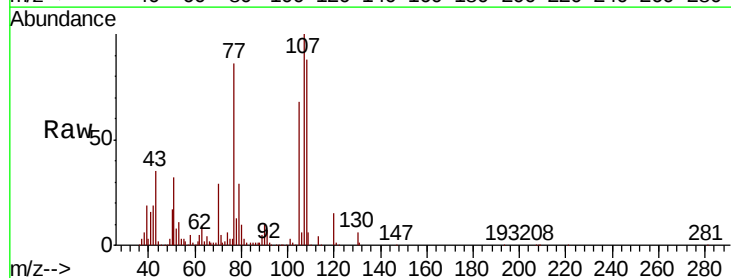


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

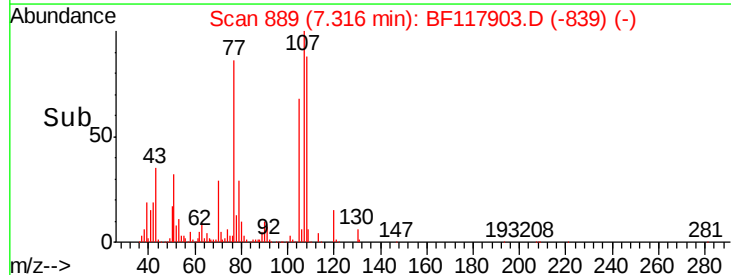
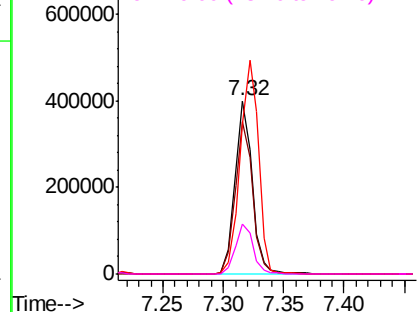


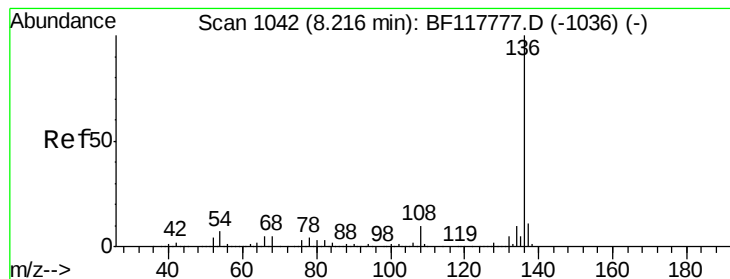
#20
3+4-Methylphenols
Concen: 43.756 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:	107	Resp:	399355
Ion	Ratio	Lower	Upper
107	100		
108	88.1	68.4	108.4
77	86.4	35.2	75.2#
79	28.6	8.6	48.6



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

Tot Ion:136 Resp: 628588

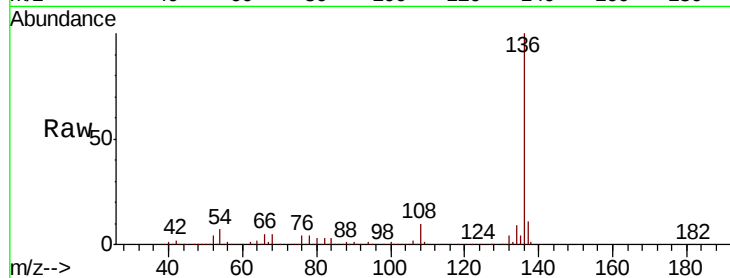
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.2 5.4 8.2

68 5.3 4.3 6.5

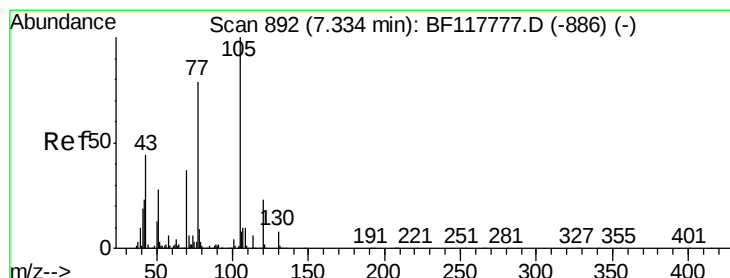
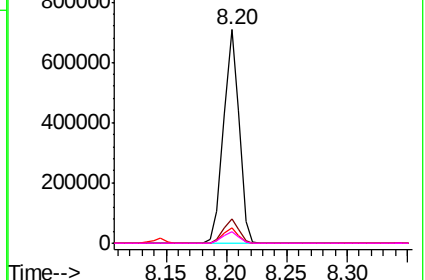
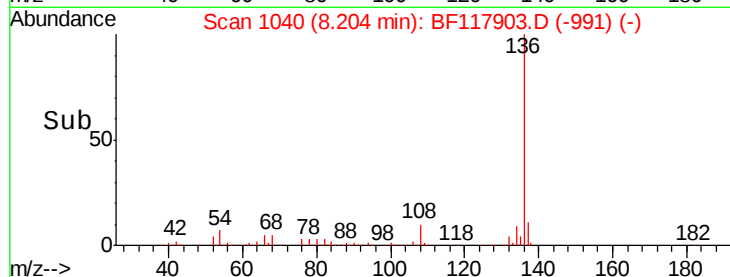


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 36.850 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Tgt Ion:105 Resp: 520416

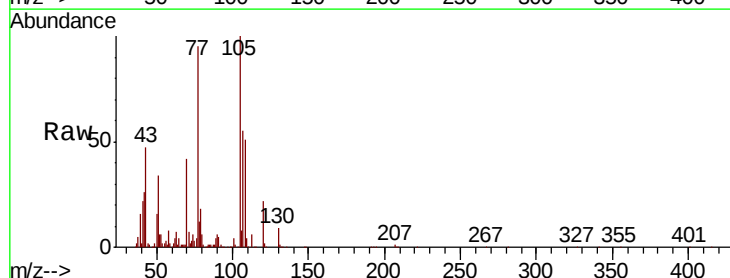
Ion Ratio Lower Upper

105 100

71 7.2 4.9 7.3

51 33.7 22.7 34.1

120 22.4 18.5 27.7

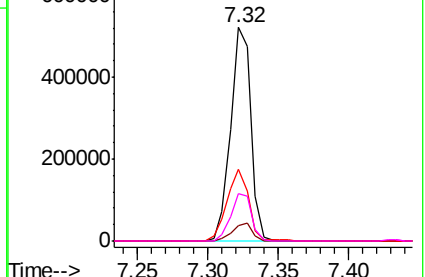
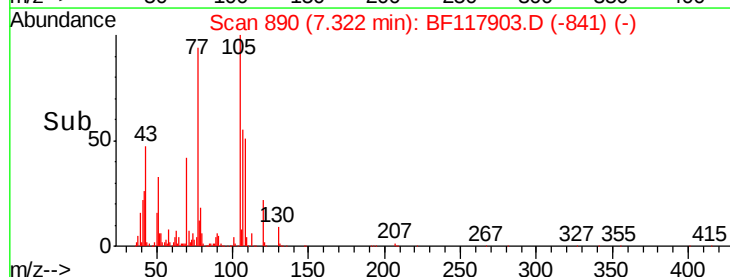


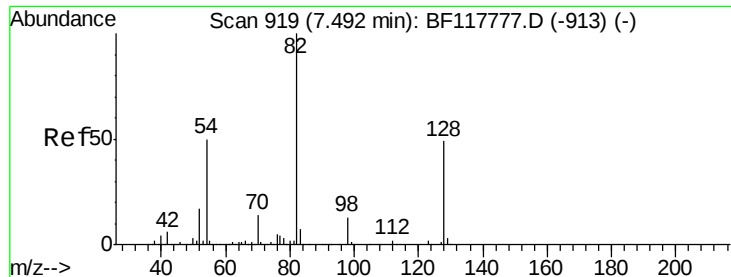
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

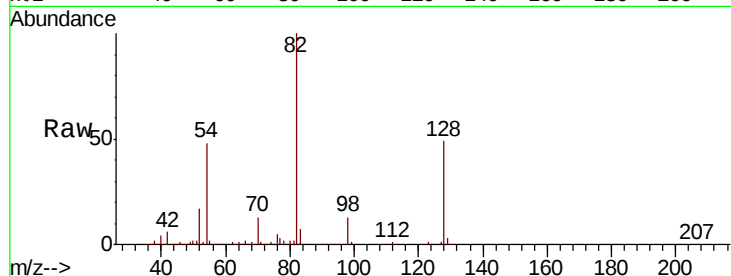




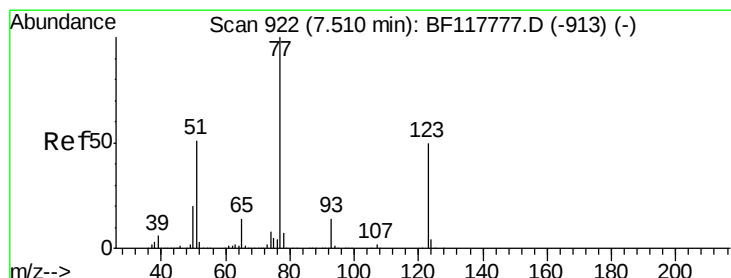
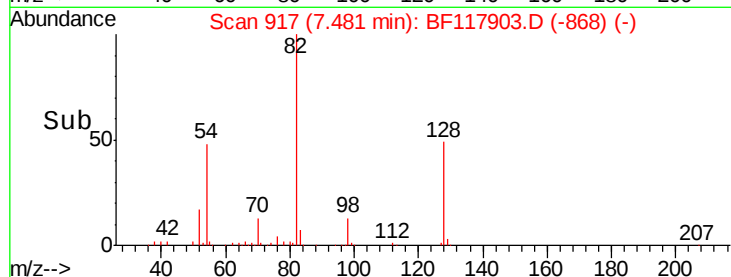
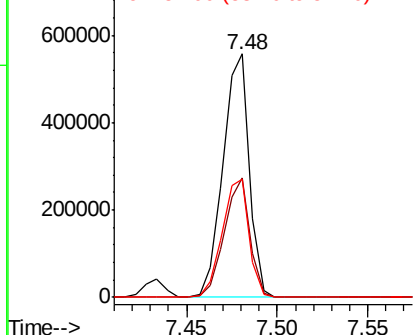
#23
 Nitrobenzene-d5
 Concen: 53.117 ng
 RT: 7.48 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

Tot Ion	82.00	Resp	561667
Ion Ratio	100	Lower	Upper
128	48.8	38.9	58.3
54	48.3	39.8	59.6

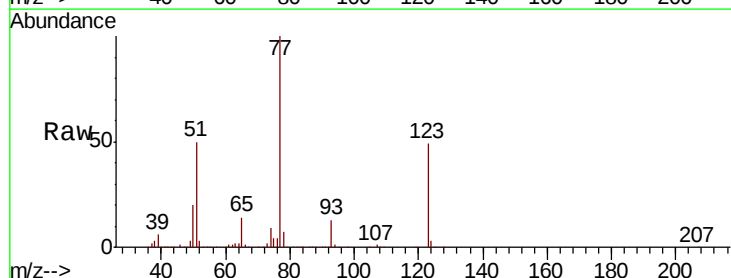


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

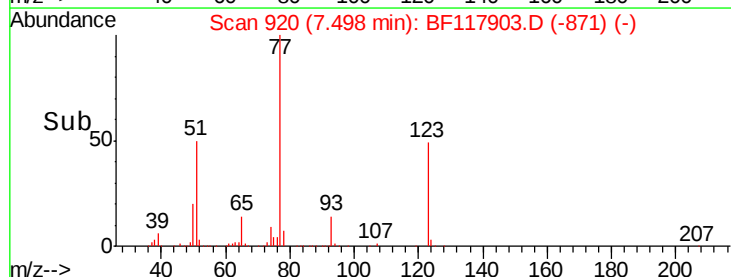
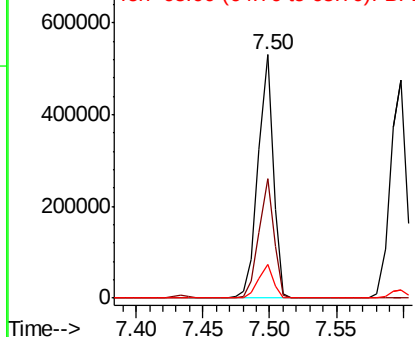


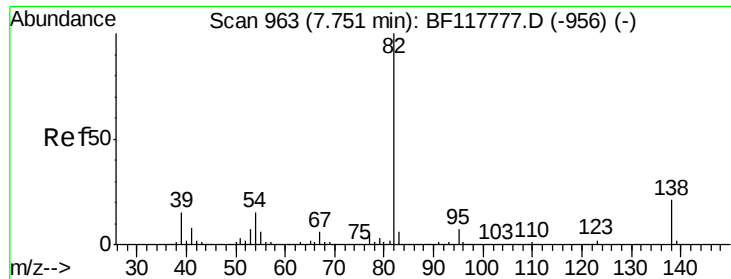
#24
 Nitrobenzene
 Concen: 37.586 ng
 RT: 7.50 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion	77.00	Resp	410011
Ion Ratio	100	Lower	Upper
123	49.0	40.3	60.5
65	13.9	10.9	16.3



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

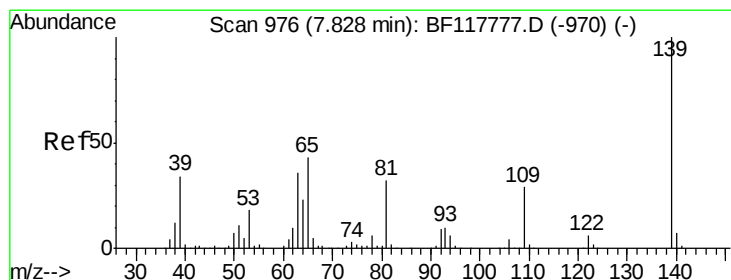
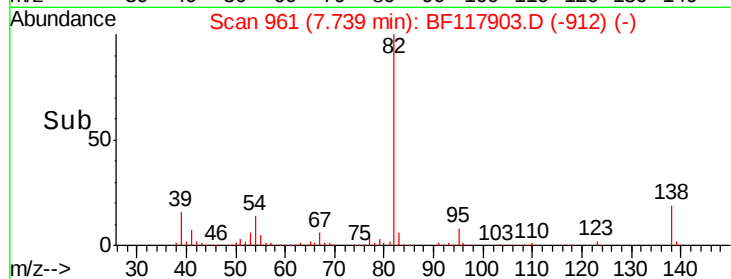
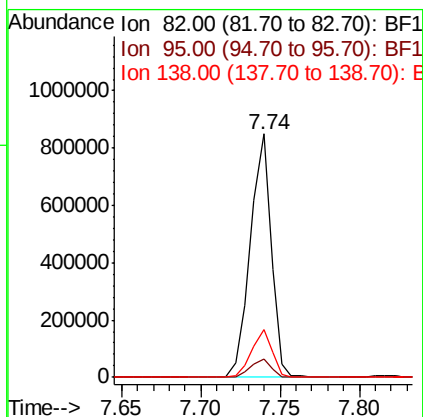
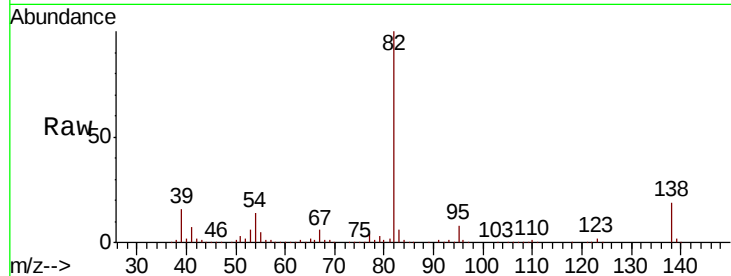




#25
Isophorone
Concen: 40.348 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

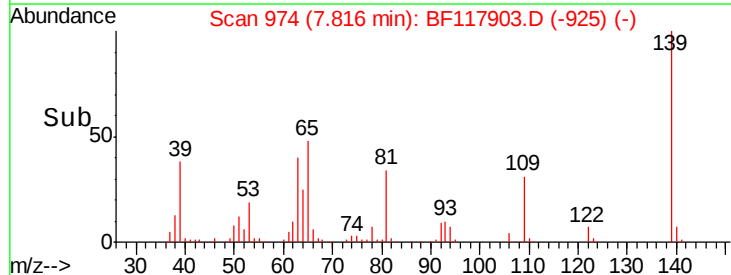
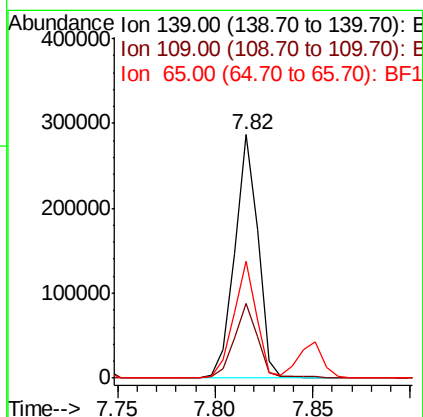
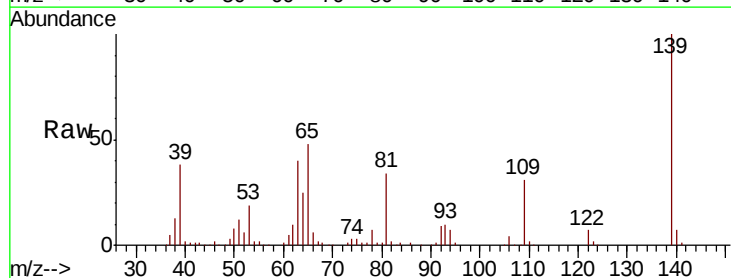
Instrument :
BNA_F
ClientSampled :
1-(2-4)MSD

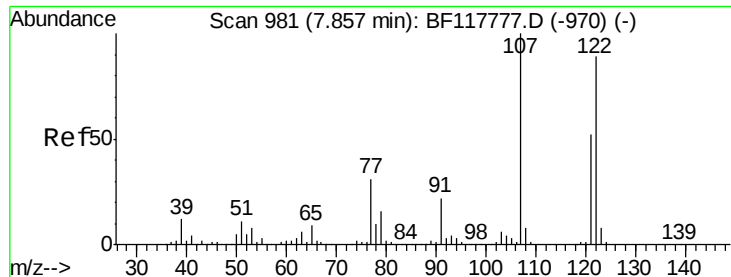
Tot Ion: 82 Resp: 781973
Ion Ratio Lower Upper
82 100
95 7.6 5.8 8.8
138 19.4 16.5 24.7



#26
2-Nitrophenol
Concen: 44.634 ng
RT: 7.82 min Scan# 974
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion: 139 Resp: 236985
Ion Ratio Lower Upper
139 100
109 30.7 23.0 34.4
65 48.0 34.7 52.1





#27

2,4-Dimethylphenol

Concen: 44.842 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

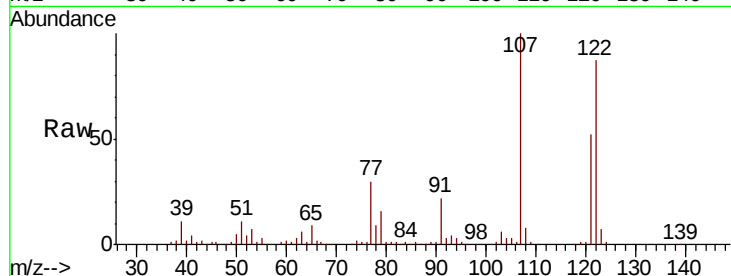
Tot Ion:122 Resp: 369964

Ion Ratio Lower Upper

122 100

107 115.6 90.0 135.0

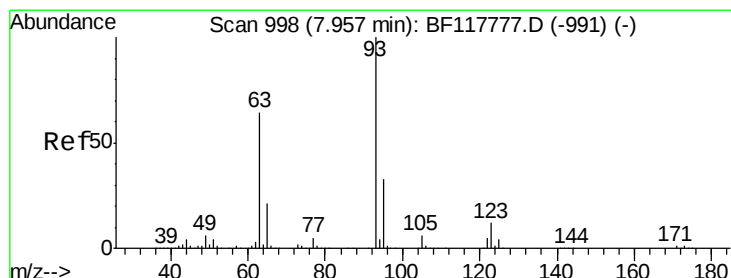
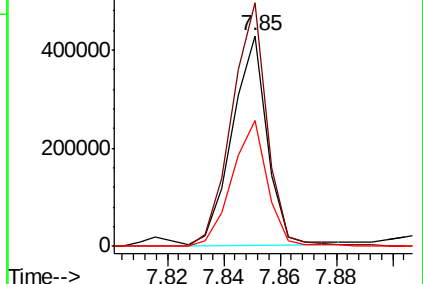
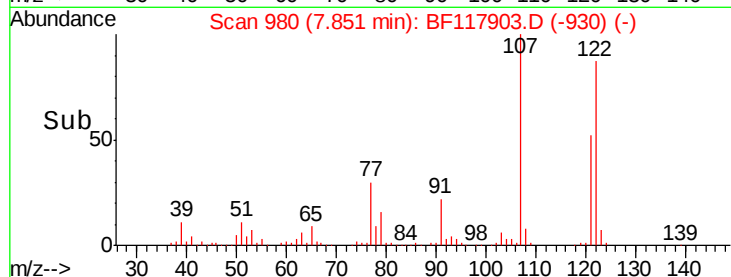
121 59.6 46.7 70.1



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: 39.828 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

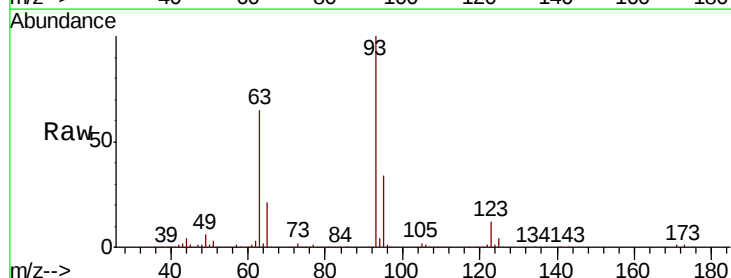
Tgt Ion: 93 Resp: 489827

Ion Ratio Lower Upper

93 100

95 33.8 26.6 40.0

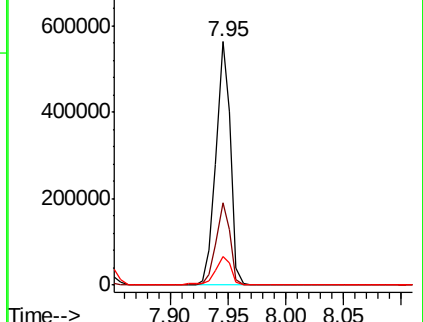
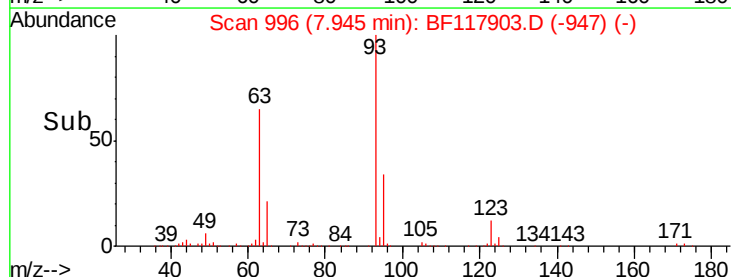
123 11.8 10.3 15.5



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

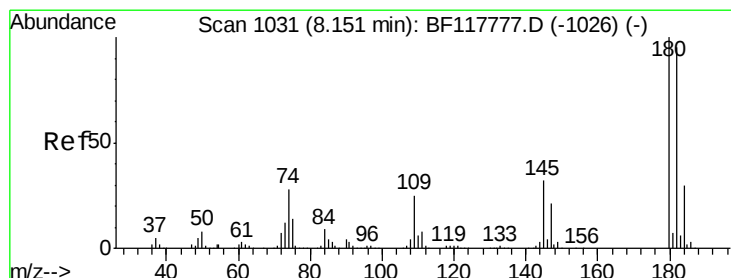
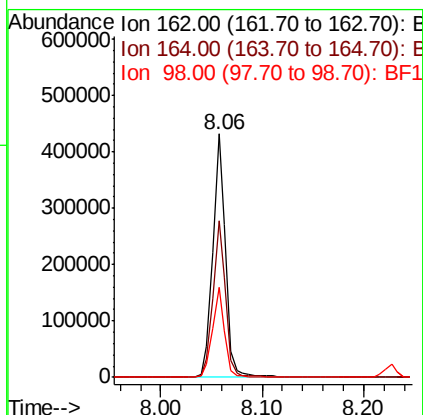
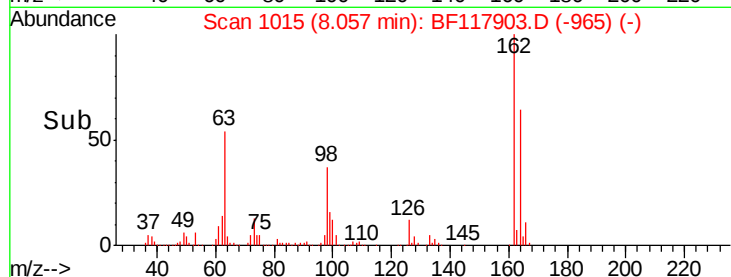
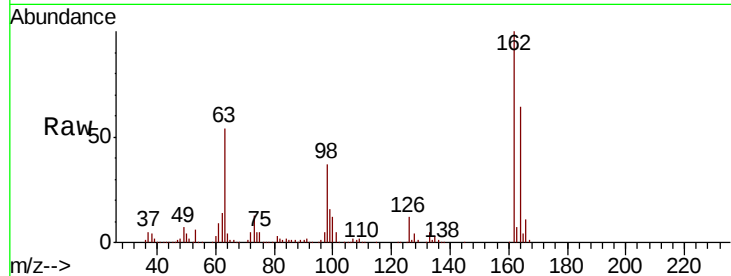




#29
2,4-Dichlorophenol
Concen: 42.216 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

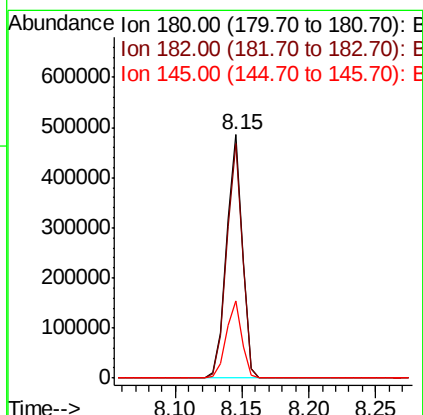
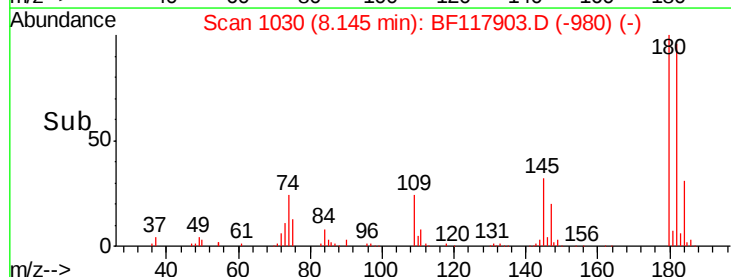
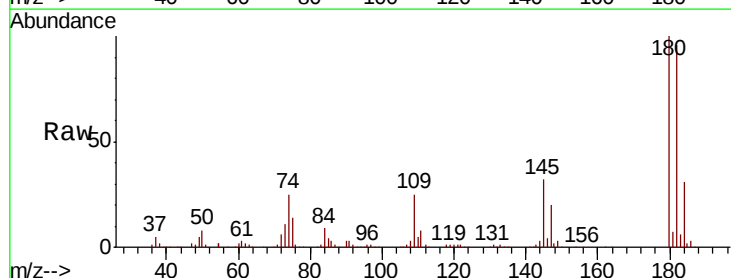
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

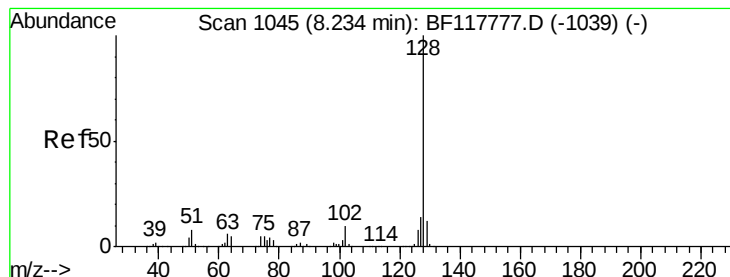
Tot Ion	Ratio	Lower	Upper
162	100		
164	64.3	45.1	85.1
98	36.7	17.2	57.2



#30
1,2,4-Trichlorobenzene
Concen: 39.325 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	75.8	113.6
145	31.9	25.5	38.3





#31

Naphthalene

Concen: 43.313 ng

RT: 8.23 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

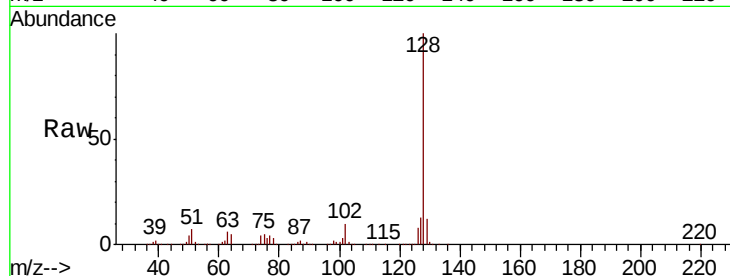
Tot Ion:128 Resp: 1269245

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

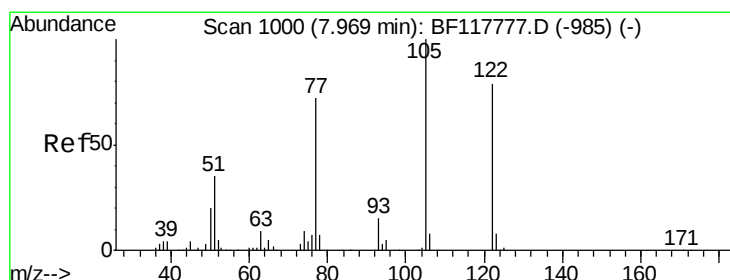
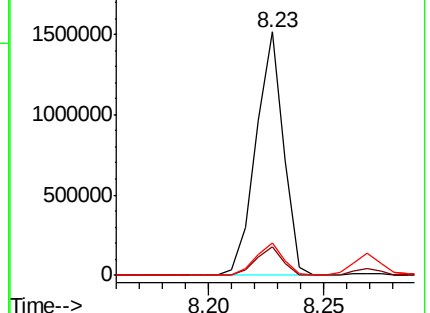
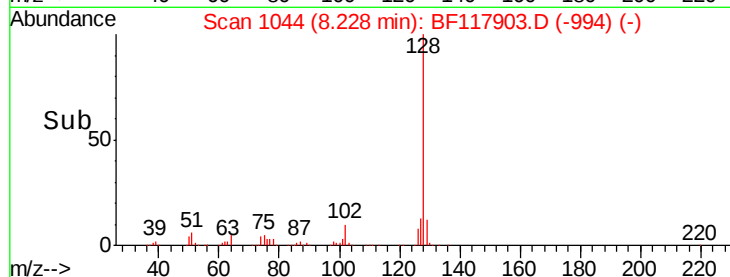
127 13.5 11.3 16.9



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: 6.252 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.05 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

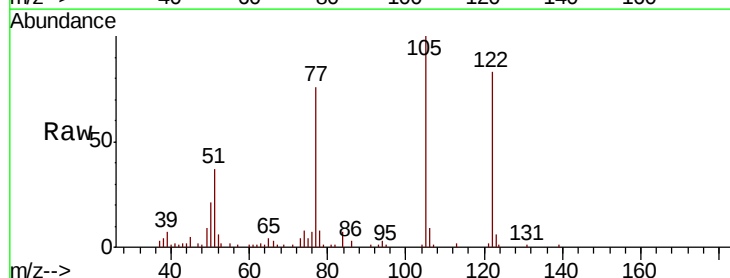
Tgt Ion:122 Resp: 43187

Ion Ratio Lower Upper

122 100

105 120.8 102.7 142.7

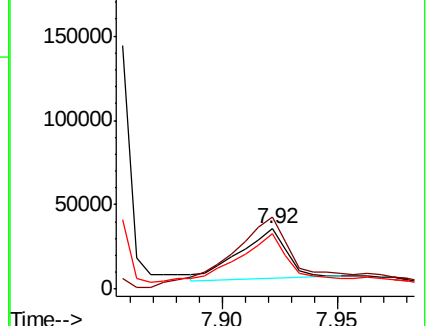
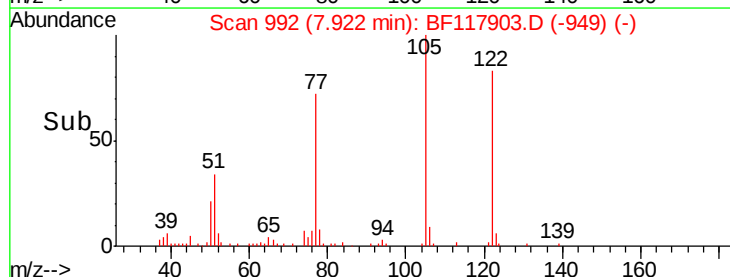
77 91.9 70.5 110.5

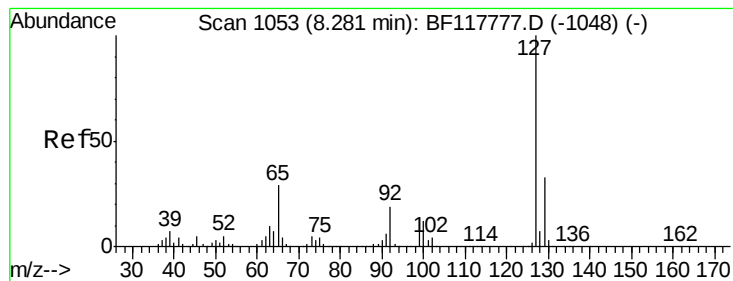


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#33

4-Chloroaniline

Concen: 9.355 ng

RT: 8.27 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

Tot Ion:127 Resp: 122727

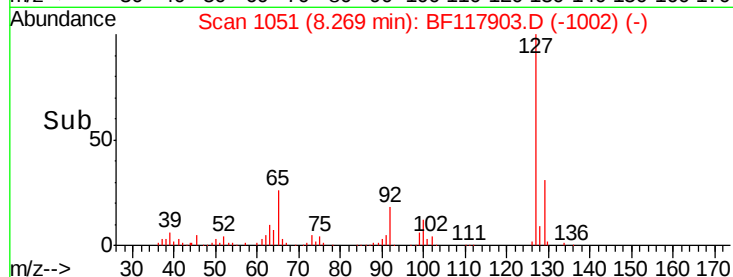
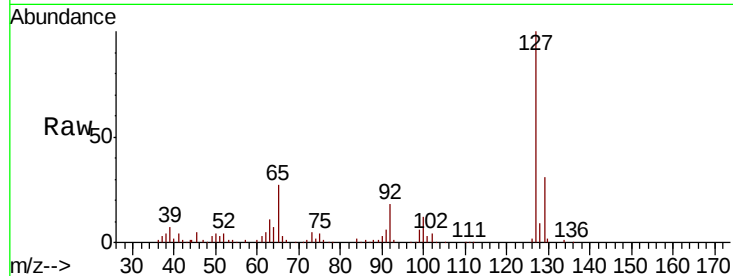
Ion Ratio Lower Upper

127 100

129 30.7 26.5 39.7

65 26.8 22.9 34.3

92 17.7 15.0 22.6



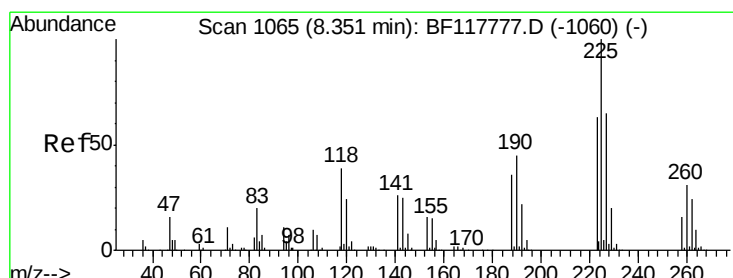
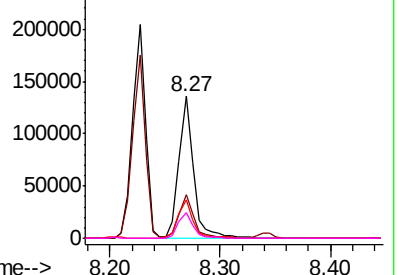
Abundance Ion 127.00 (126.70 to 127.70): E

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

Time-->



#34

Hexachlorobutadiene

Concen: 38.087 ng

RT: 8.35 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

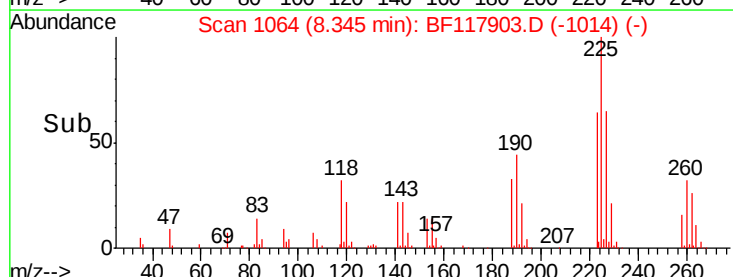
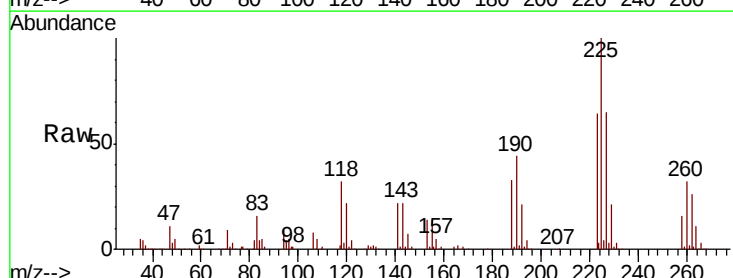
Tgt Ion:225 Resp: 231158

Ion Ratio Lower Upper

225 100

223 63.8 50.0 75.0

227 64.9 51.8 77.6

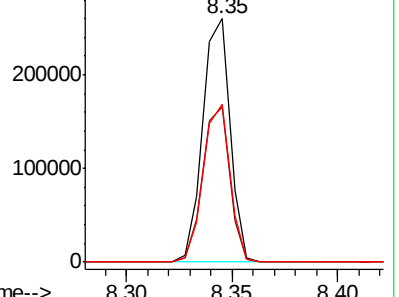


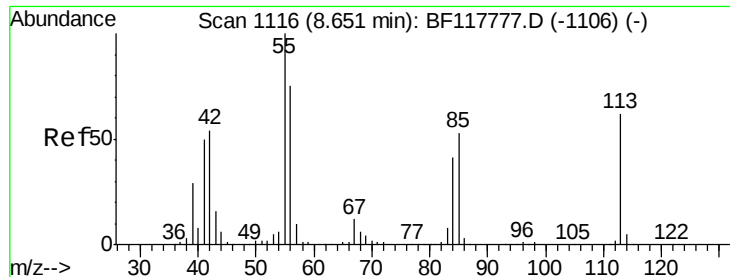
Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

Time-->

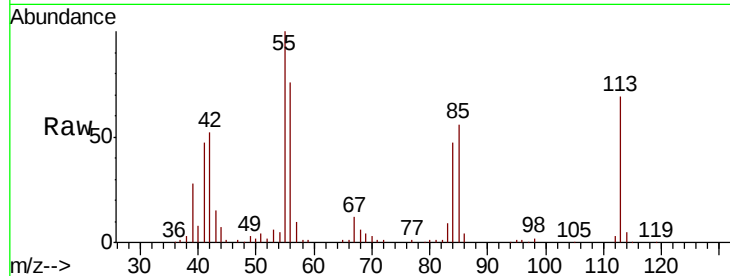




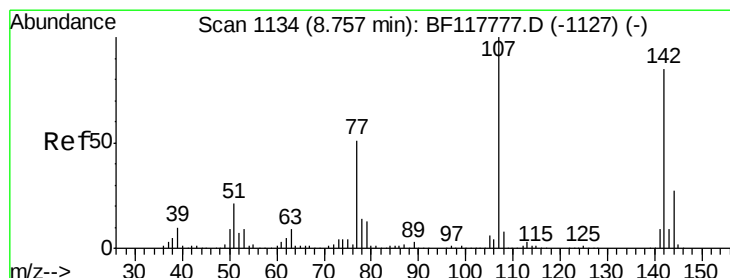
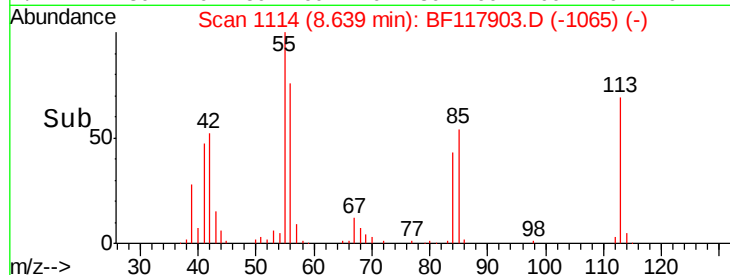
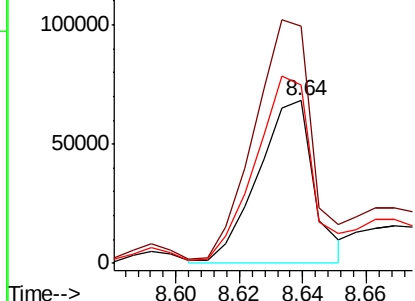
#35
Caprolactam
Concen: 29.533 ng
RT: 8.64 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:113 Resp: 83999
Ion Ratio Lower Upper
113 100
55 145.7 141.1 181.1
56 110.2 100.5 140.5

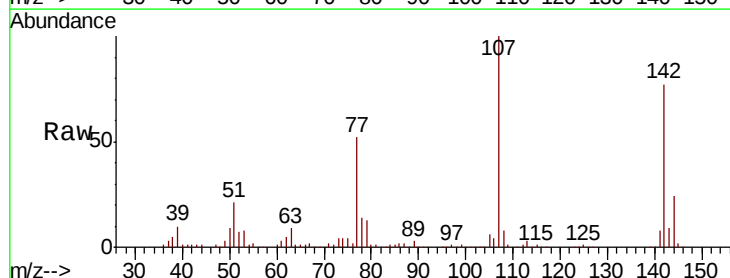


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

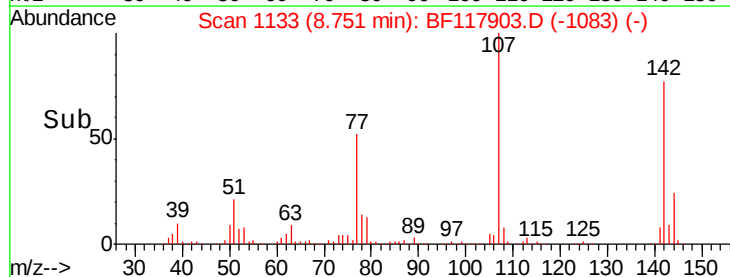
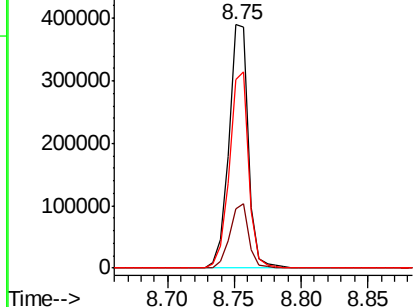


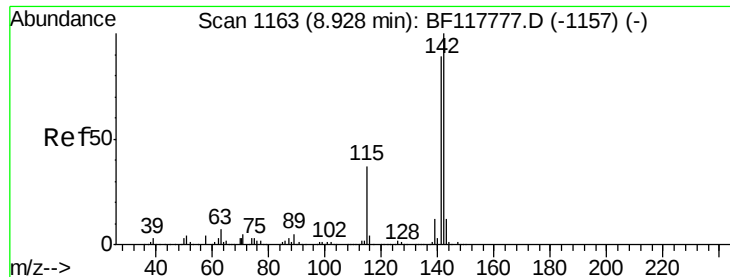
#36
4-Chloro-3-methylphenol
Concen: 44.319 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:107 Resp: 402523
Ion Ratio Lower Upper
107 100
144 24.2 21.9 32.9
142 77.5 67.7 101.5



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

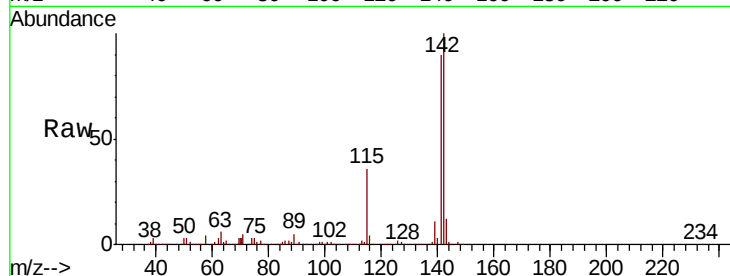




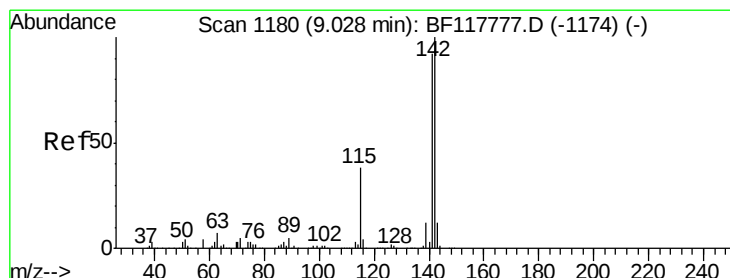
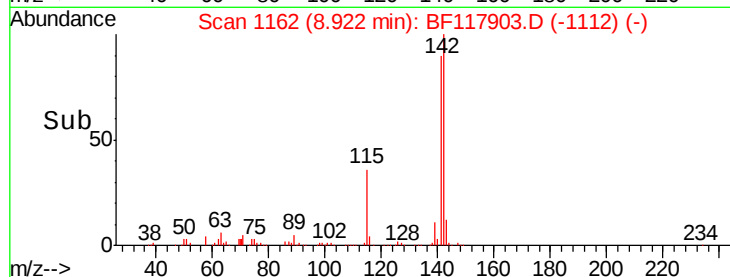
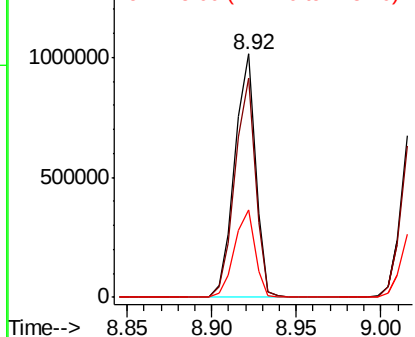
#37
2-Methylnaphthalene
Concen: 43.978 ng
RT: 8.92 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:142 Resp: 870763
Ion Ratio Lower Upper
142 100
141 89.9 71.1 106.7
115 35.7 29.2 43.8

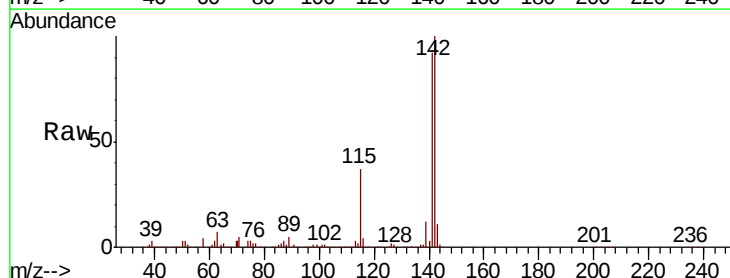


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

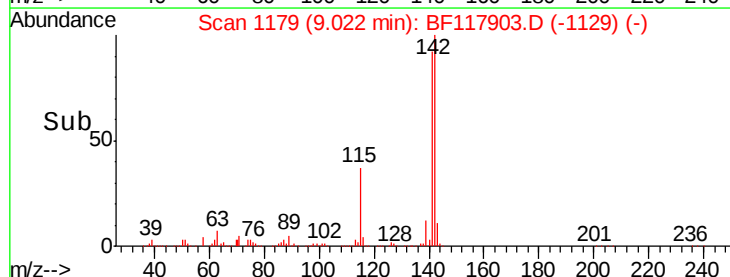
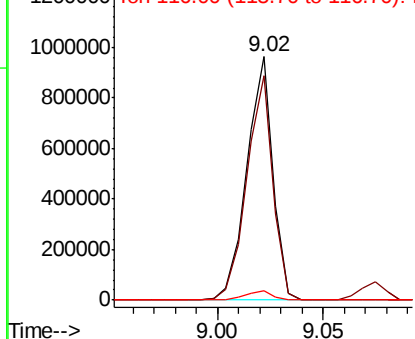


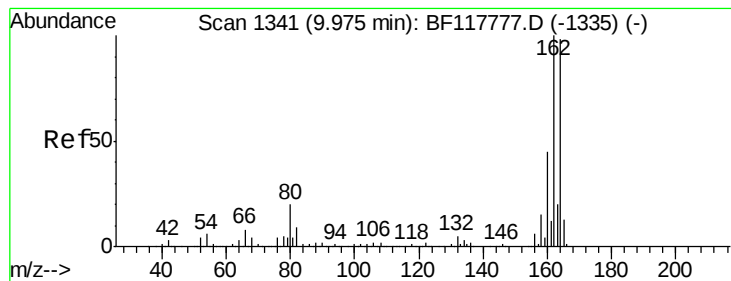
#38
1-Methylnaphthalene
Concen: 43.886 ng
RT: 9.02 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:142 Resp: 821485
Ion Ratio Lower Upper
142 100
141 92.2 73.5 110.3
116 3.8 3.2 4.8



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: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

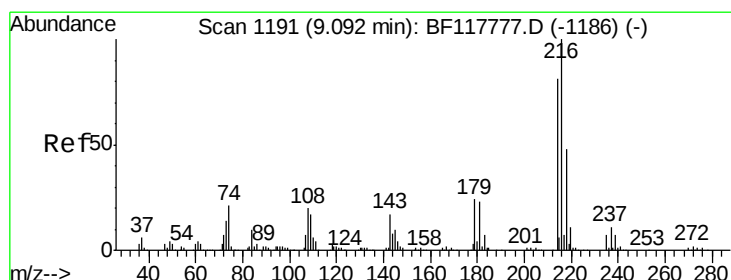
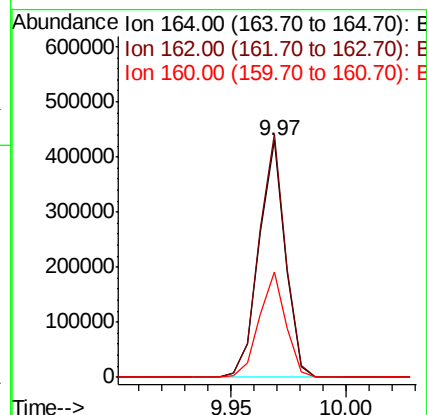
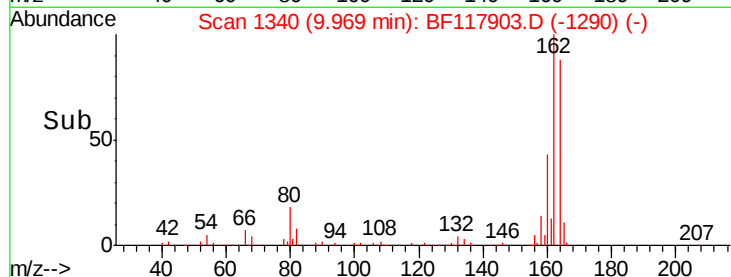
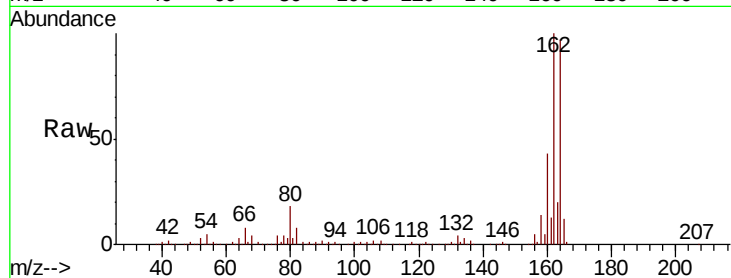
Tot Ion:164 Resp: 343659

Ion Ratio Lower Upper

164 100

162 102.8 81.3 121.9

160 44.6 36.6 55.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.793 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Tgt Ion:216 Resp: 387162

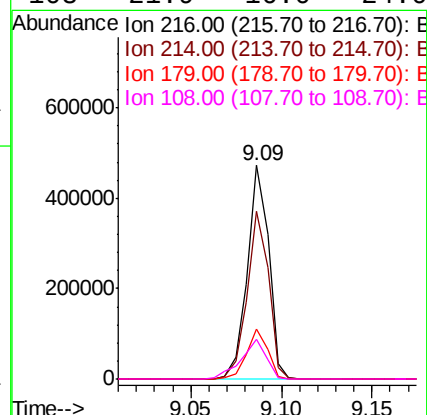
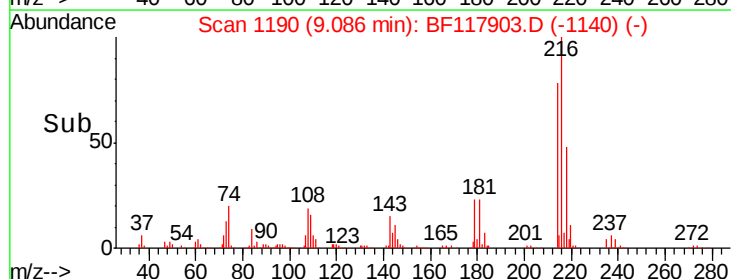
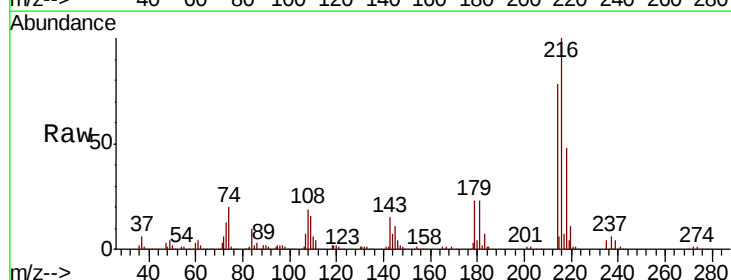
Ion Ratio Lower Upper

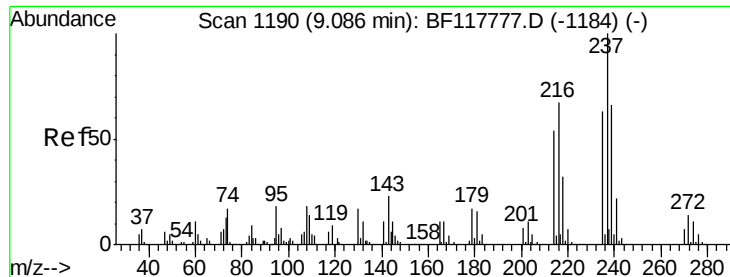
216 100

214 78.2 63.4 95.0

179 22.8 18.2 27.4

108 21.9 16.0 24.0





#41

Hexachlorocyclopentadiene

Concen: 85.020 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

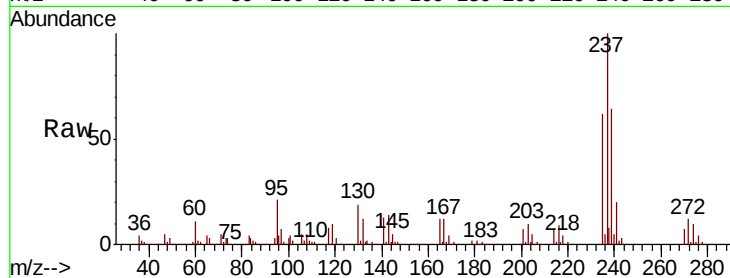
Tot Ion:237 Resp: 475510

Ion Ratio Lower Upper

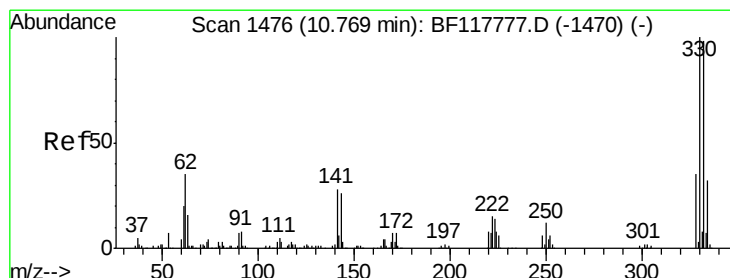
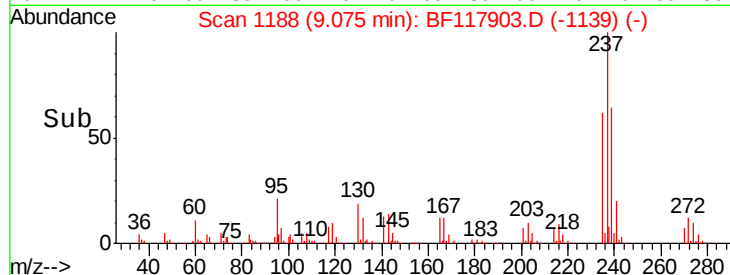
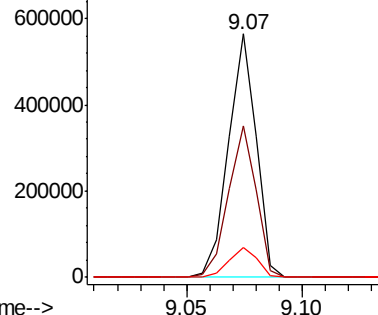
237 100

235 62.3 42.6 82.6

272 12.4 0.0 34.3



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: 79.568 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

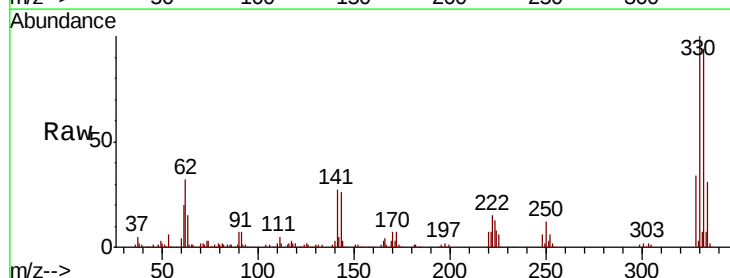
Tgt Ion:330 Resp: 289492

Ion Ratio Lower Upper

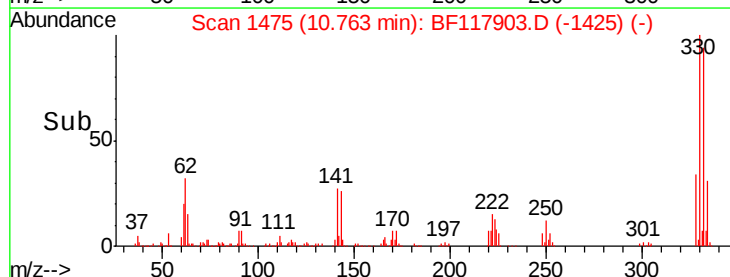
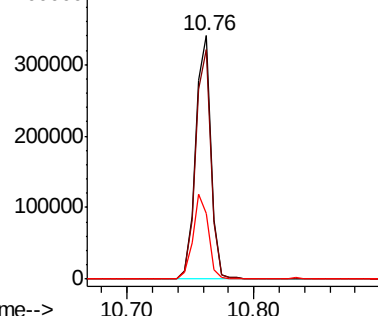
330 100

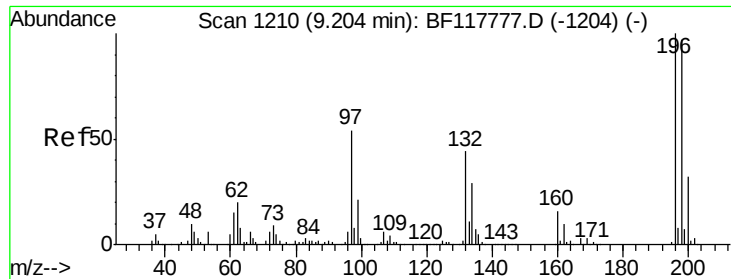
332 94.9 76.7 115.1

141 35.2 27.7 41.5



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

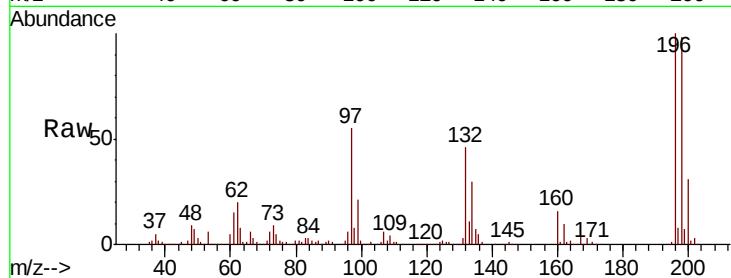




#43
 2,4,6-Trichlorophenol
 Concen: 38.465 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.6	77.8	116.6
200	31.1	25.4	38.0

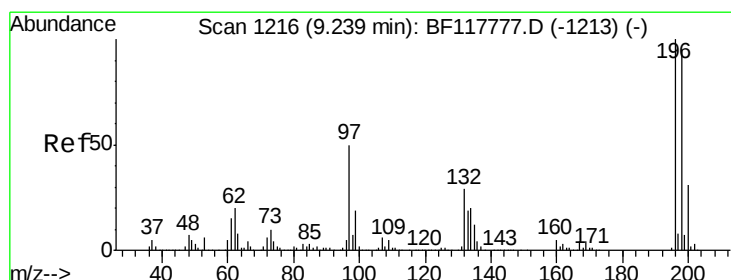
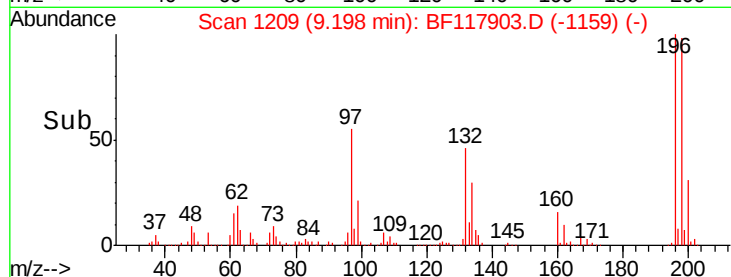
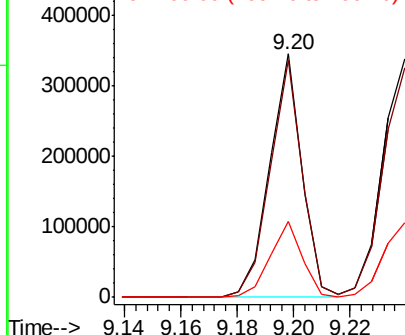


Abundance

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: 40.470 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.3	114.5
97	46.7	40.0	60.0
132	28.8	23.6	35.4

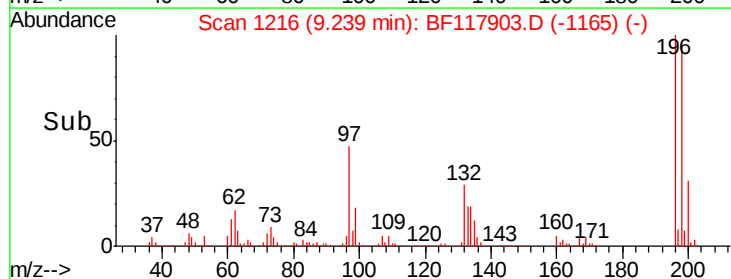
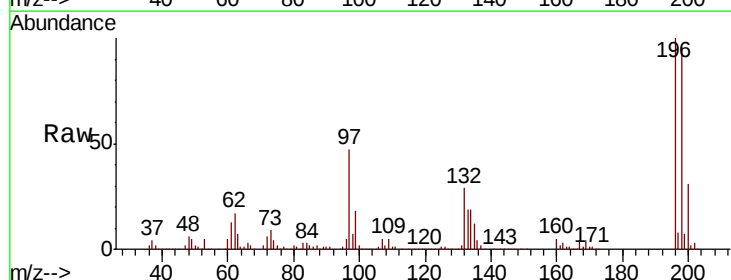
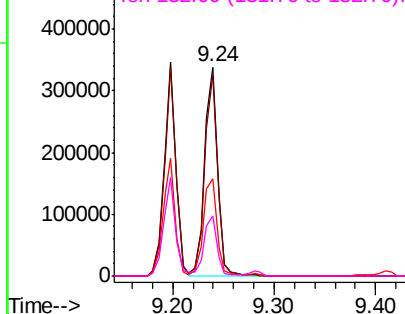
Abundance

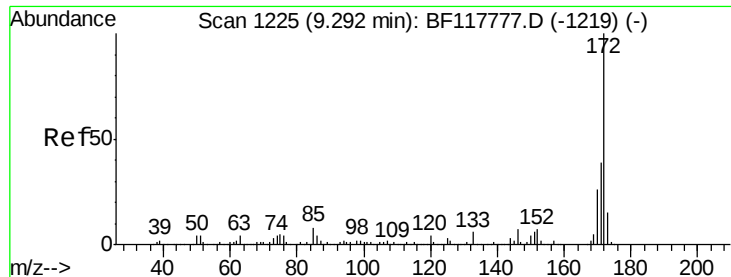
Ion 196.00 (195.70 to 196.70): E

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

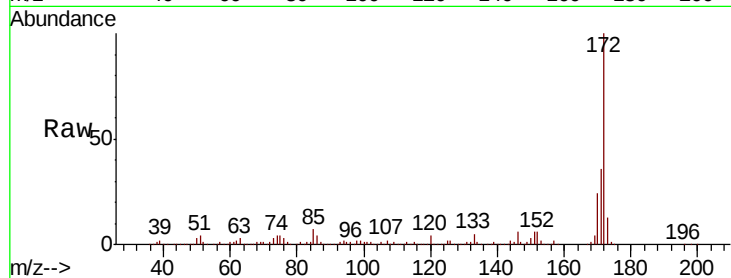




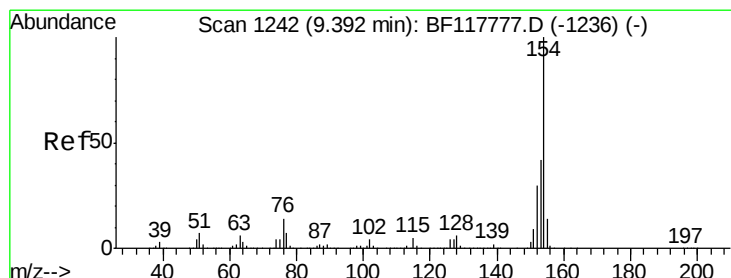
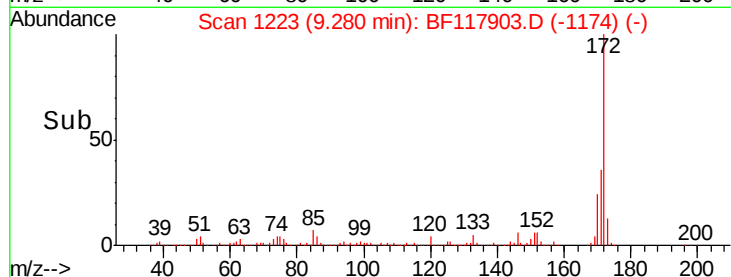
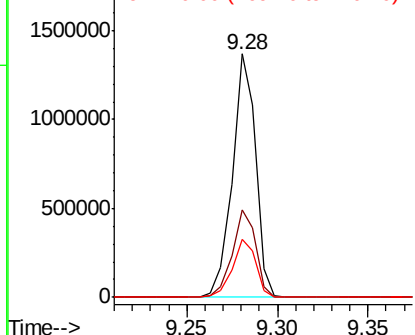
#45
2-Fluorobiphenyl
Concen: 63.752 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:172 Resp: 1221209
Ion Ratio Lower Upper
172 100
171 35.8 30.9 46.3
170 24.0 21.0 31.4

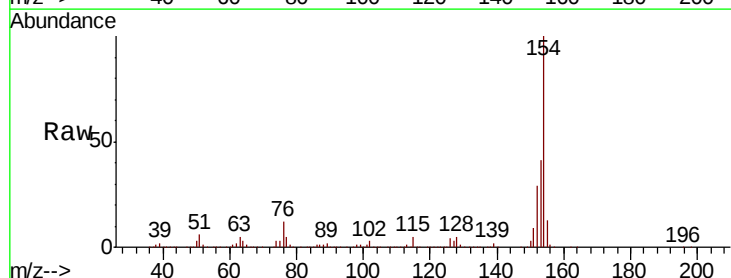


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

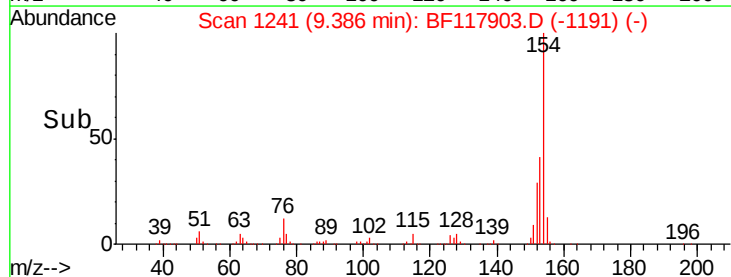
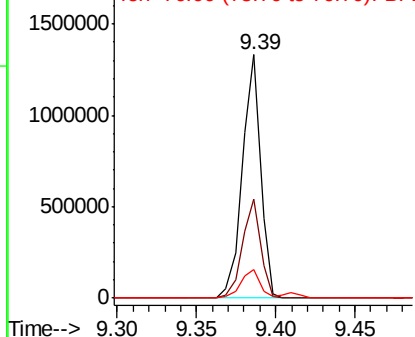


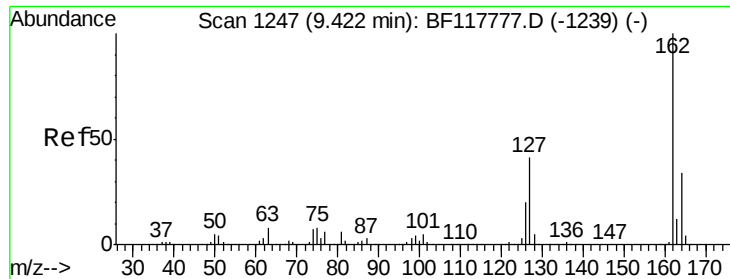
#46
1,1'-Biphenyl
Concen: 41.529 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:154 Resp: 1058829
Ion Ratio Lower Upper
154 100
153 40.9 21.9 61.9
76 11.6 0.0 33.6



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

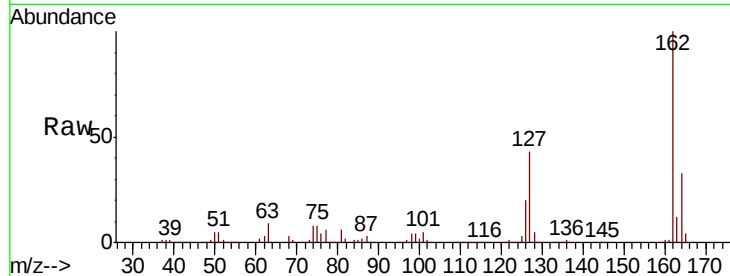




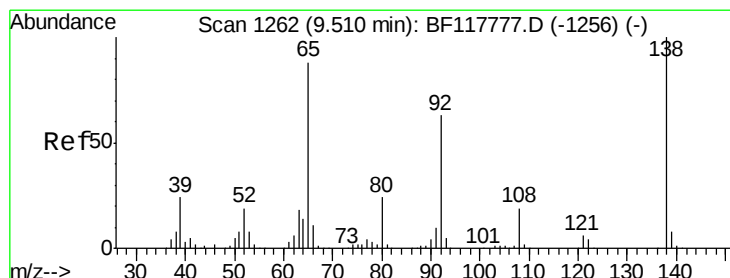
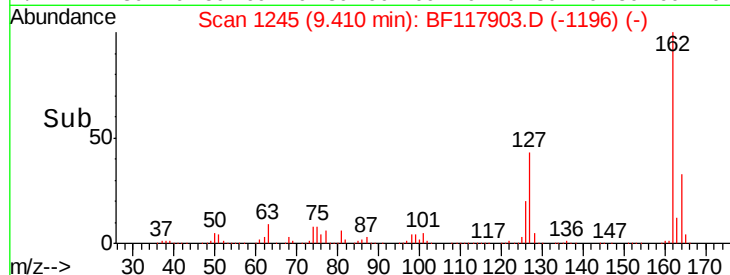
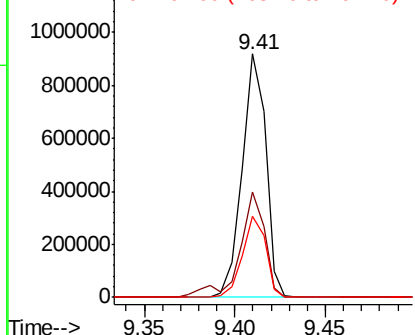
#47
 2-Chloronaphthalene
 Concen: 39.634 ng
 RT: 9.41 min Scan# 1245
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

Tot Ion:162 Resp: 831317
 Ion Ratio Lower Upper
 162 100
 127 43.0 33.2 49.8
 164 33.5 27.3 40.9

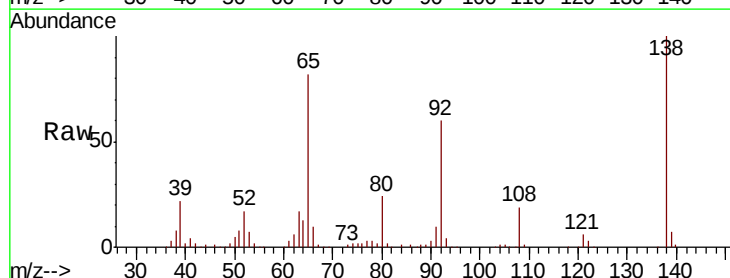


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

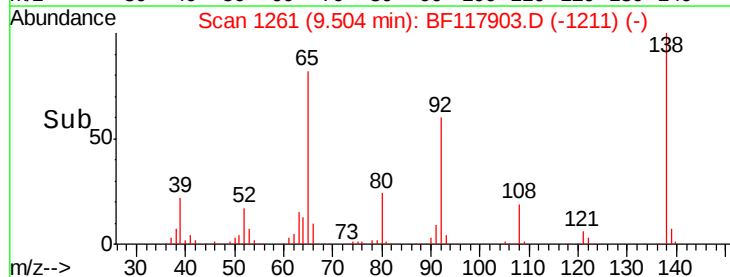
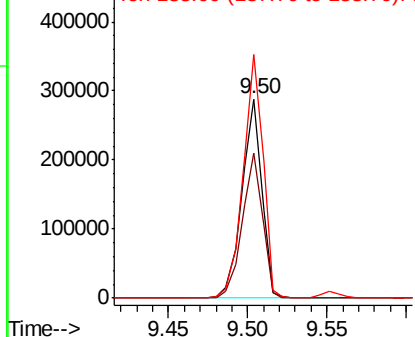


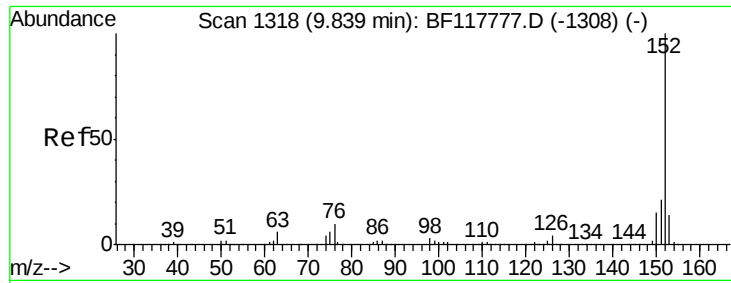
#48
 2-Nitroaniline
 Concen: 39.426 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion: 65 Resp: 249660
 Ion Ratio Lower Upper
 65 100
 92 72.9 56.6 84.8
 138 122.3 90.5 135.7



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: 43.505 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

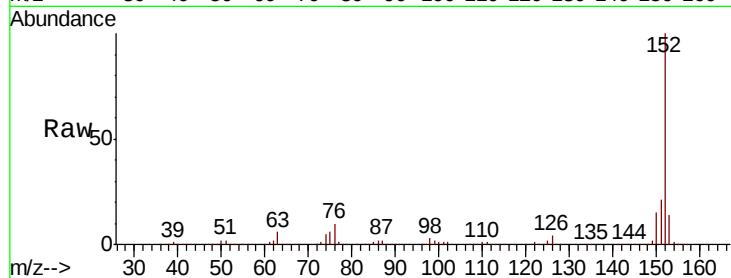
Tot Ion:152 Resp: 1330385

Ion Ratio Lower Upper

152 100

151 20.6 17.0 25.6

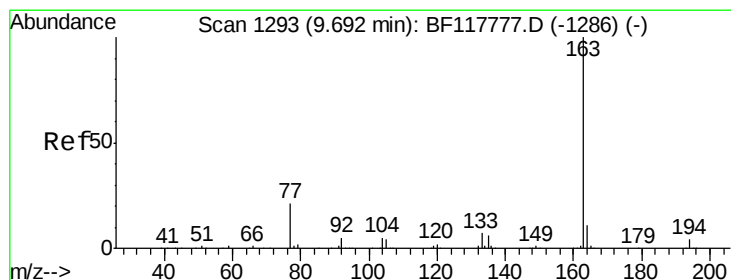
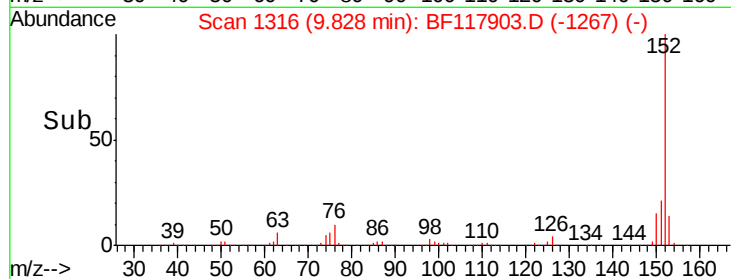
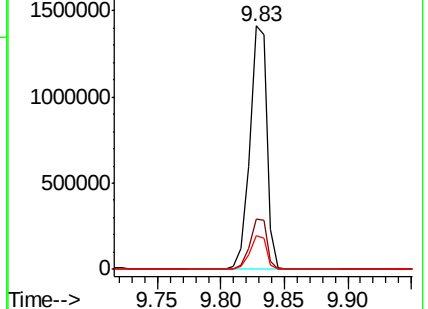
153 13.8 11.0 16.6



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: 45.718 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

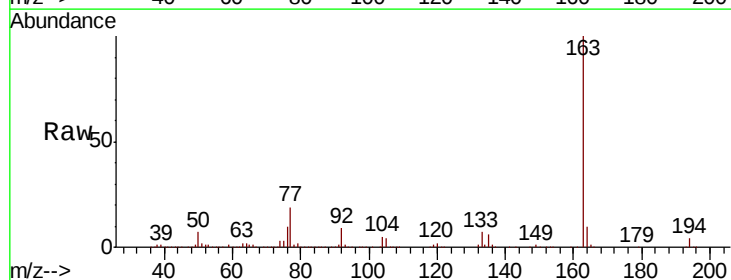
Tgt Ion:163 Resp: 1101740

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

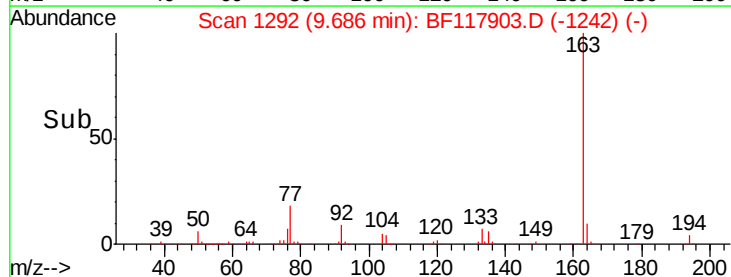
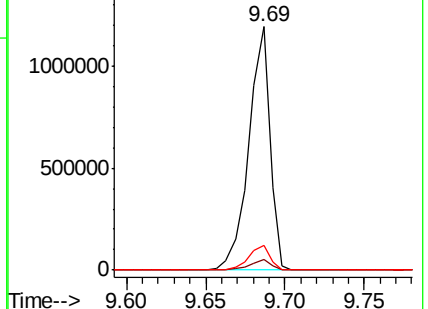
164 10.4 8.7 13.1

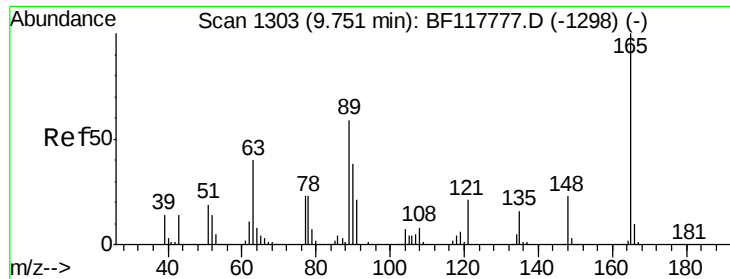


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

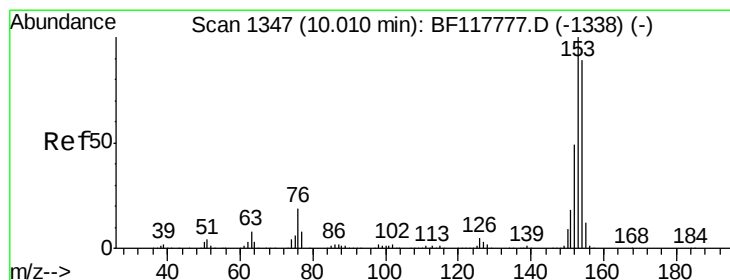
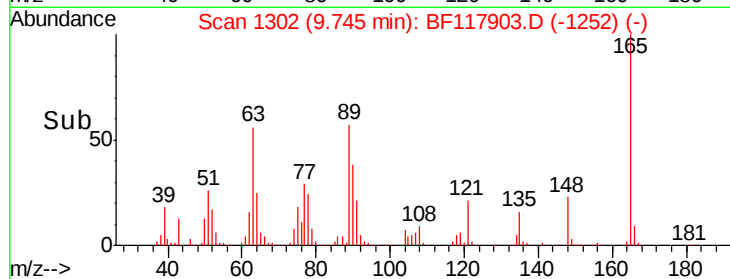
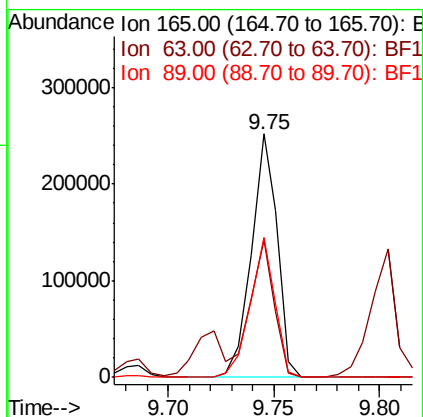
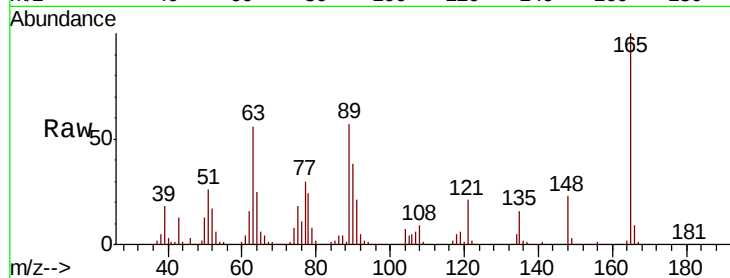




#51
2,6-Dinitrotoluene
Concen: 40.720 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

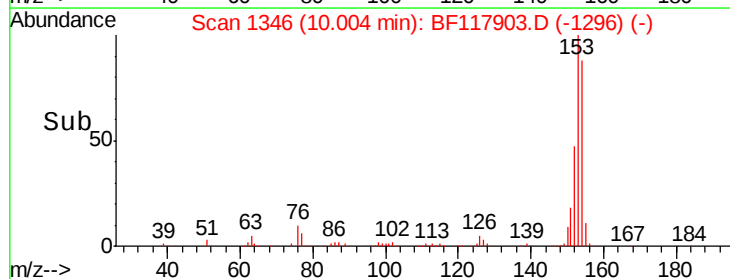
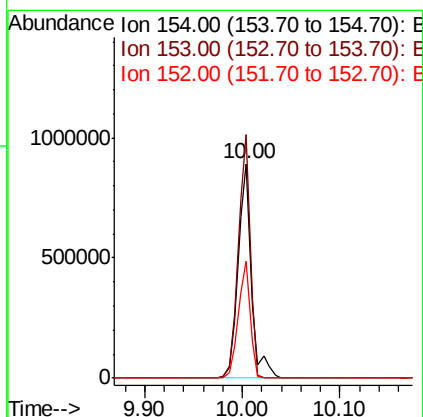
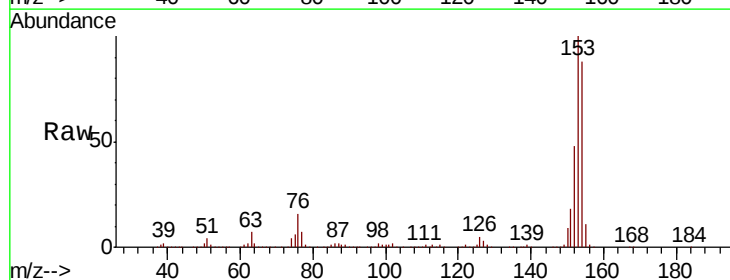
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

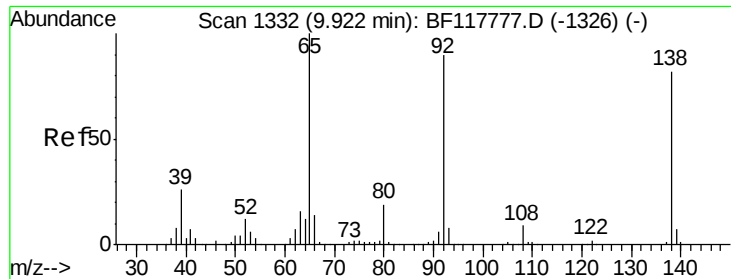
Tot Ion	Ratio	Lower	Upper
165	100		
63	56.3	46.0	69.0
89	57.4	47.7	71.5



#52
Acenaphthene
Concen: 42.780 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	90.1	135.1
152	54.3	44.0	66.0

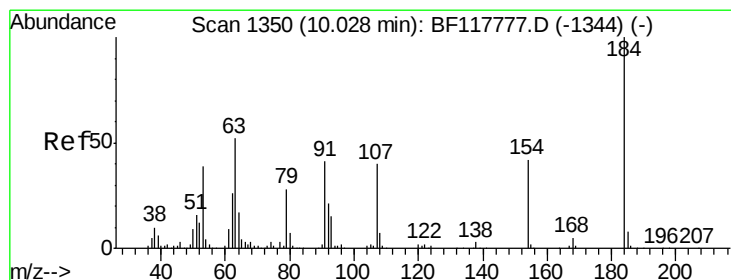
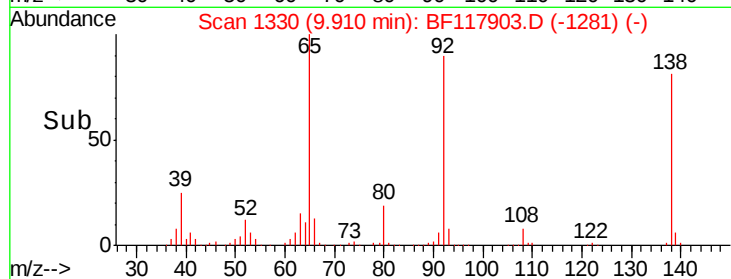
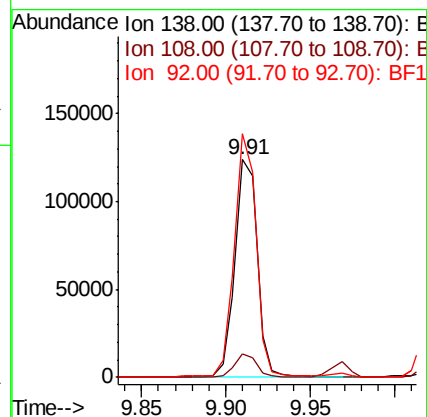
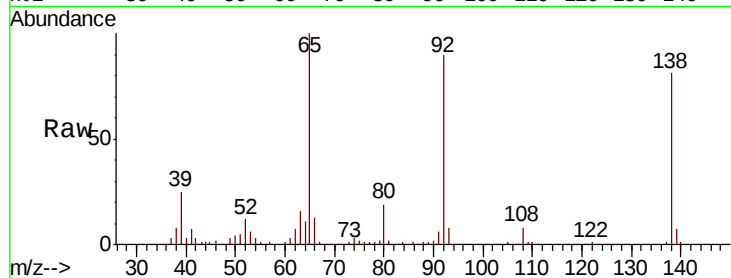




#53
3-Nitroaniline
Concen: 18.109 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

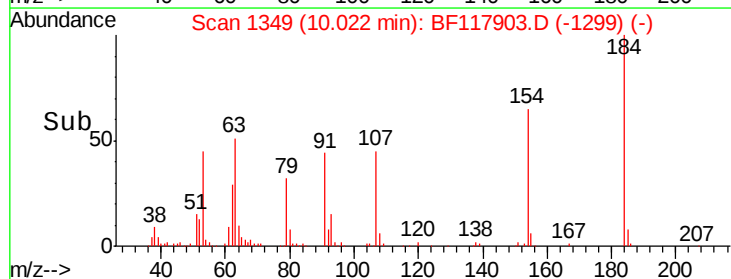
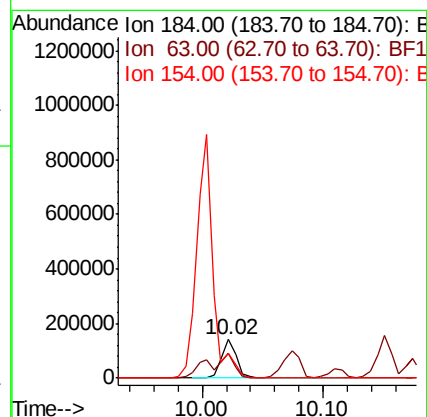
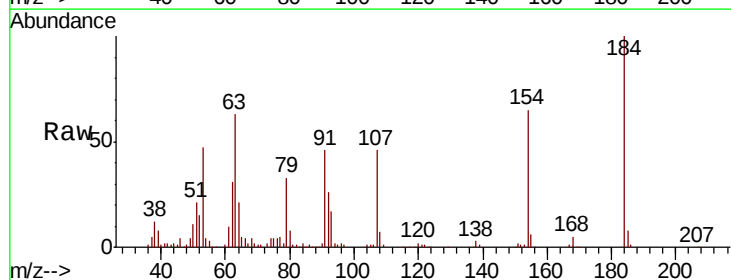
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:138 Resp: 114130
Ion Ratio Lower Upper
138 100
108 10.5 8.6 12.8
92 111.9 87.9 131.9



#54
2,4-Dinitrophenol
Concen: 46.738 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:184 Resp: 117547
Ion Ratio Lower Upper
184 100
63 63.3 43.0 64.6
154 64.9 48.0 72.0

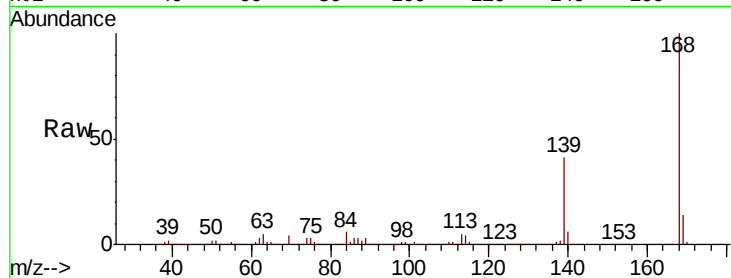




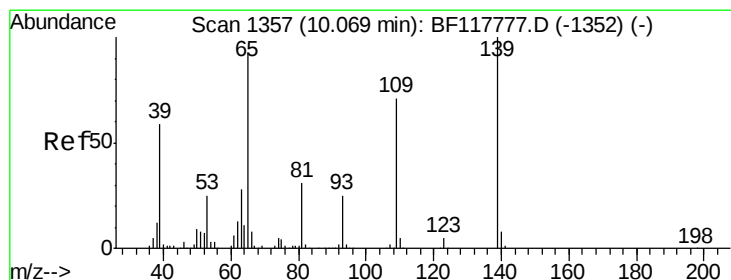
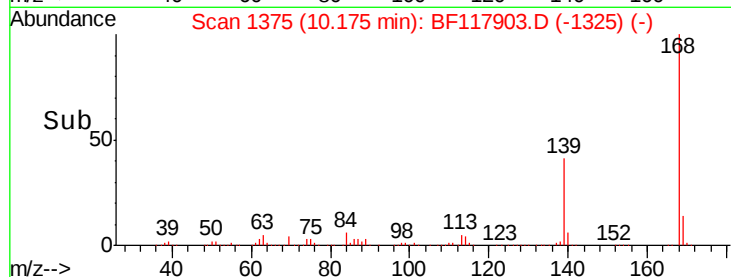
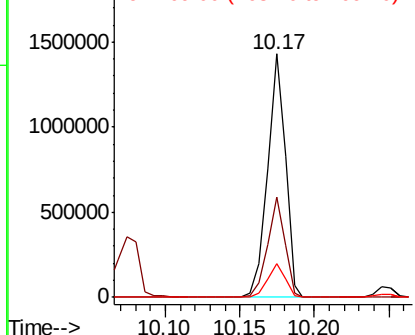
#55
Dibenzofuran
Concen: 43.295 ng
RT: 10.17 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:168 Resp: 1174451
Ion Ratio Lower Upper
168 100
139 41.0 33.0 49.6
169 13.7 11.5 17.3

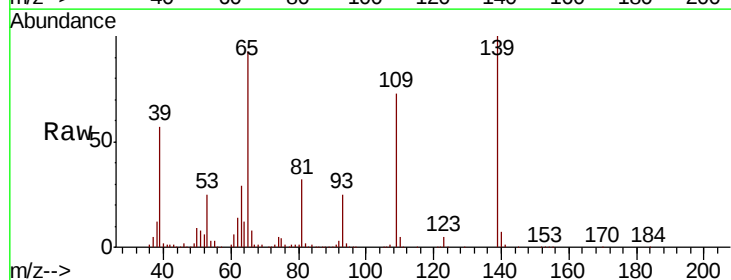


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

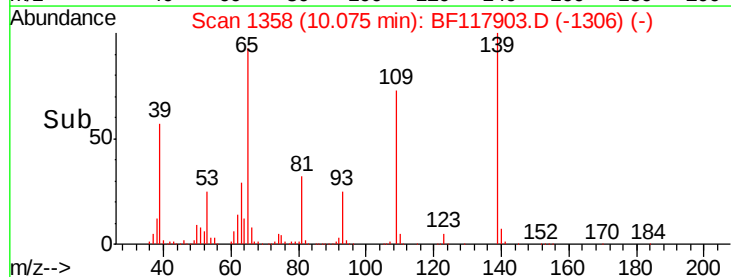
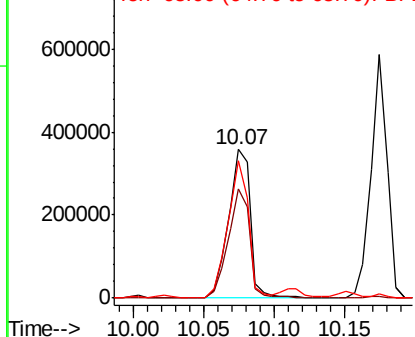


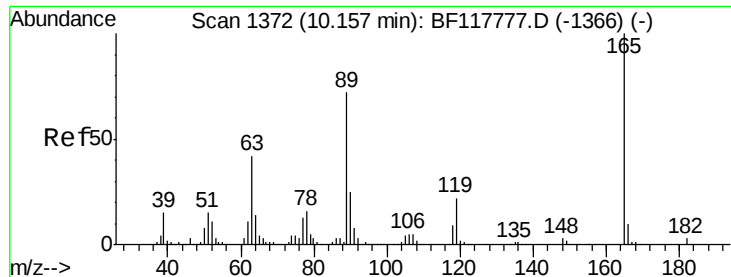
#56
4-Nitrophenol
Concen: 82.090 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:139 Resp: 386169
Ion Ratio Lower Upper
139 100
109 73.3 50.8 90.8
65 92.7 73.6 113.6



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: 46.013 ng

RT: 10.15 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

Tot Ion:165 Resp: 308277

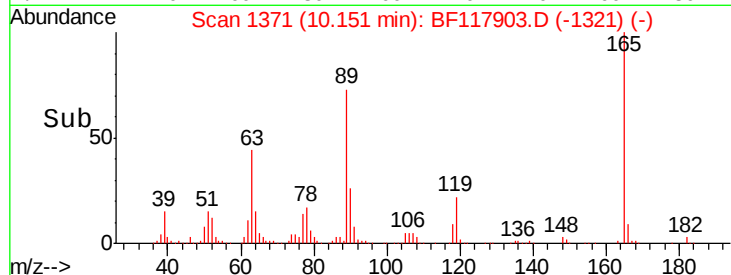
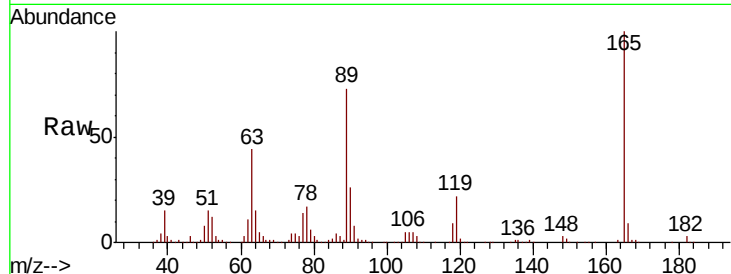
Ion Ratio Lower Upper

165 100

63 43.6 33.7 50.5

89 72.5 57.3 85.9

182 2.7 2.3 3.5

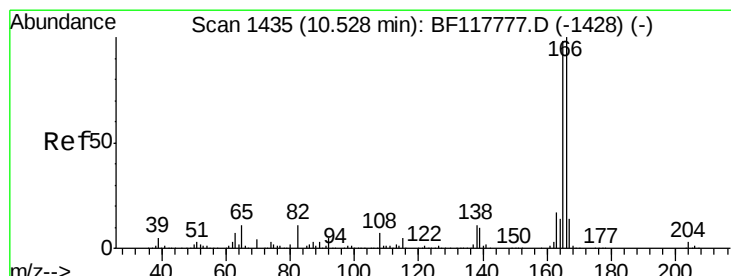
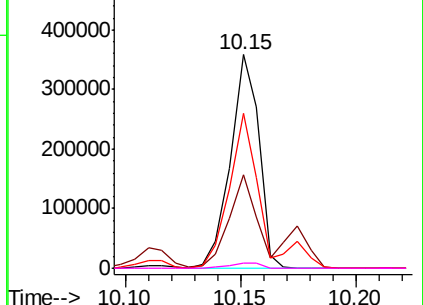


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 42.669 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

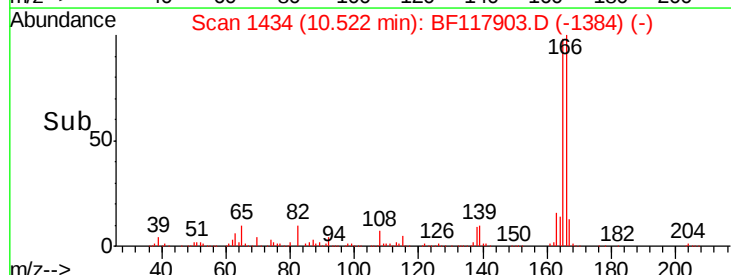
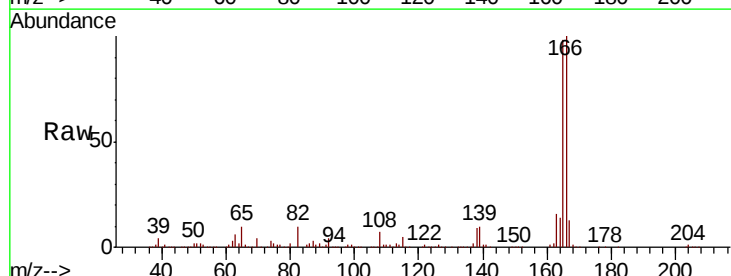
Tgt Ion:166 Resp: 896938

Ion Ratio Lower Upper

166 100

165 98.2 78.4 117.6

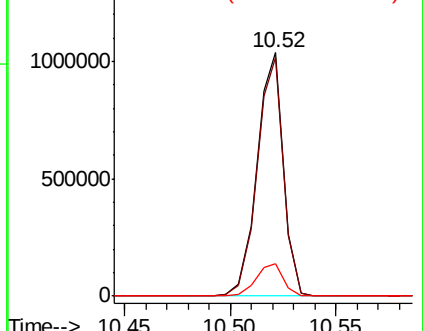
167 13.3 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

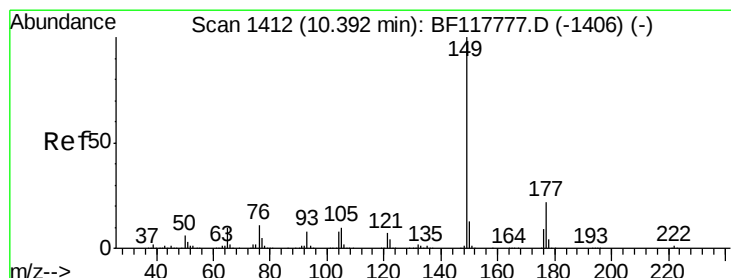
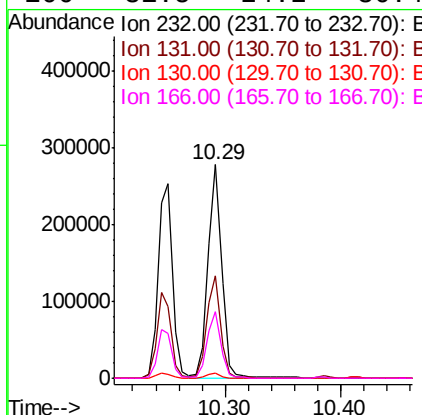
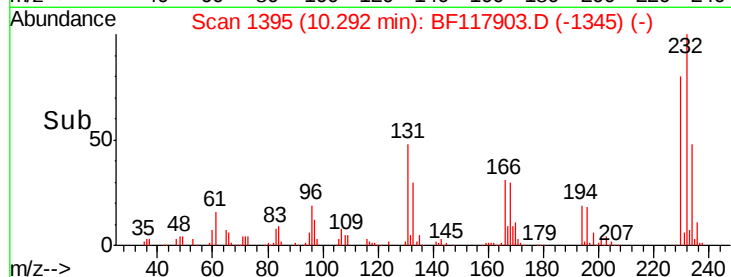
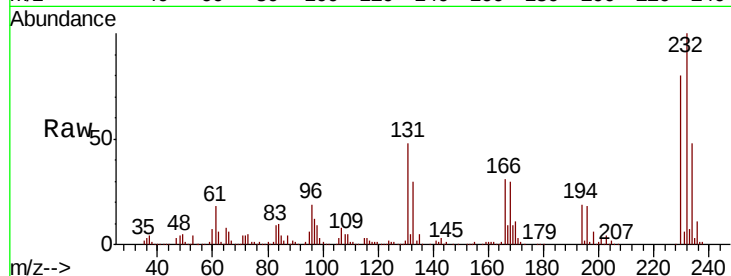




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 37.821 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

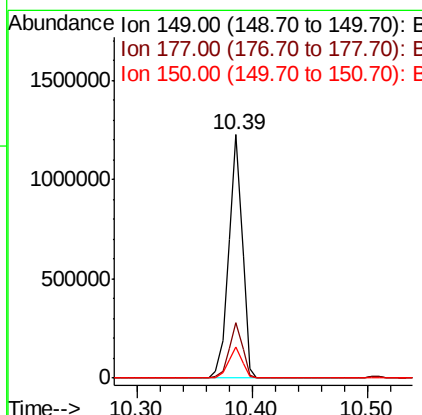
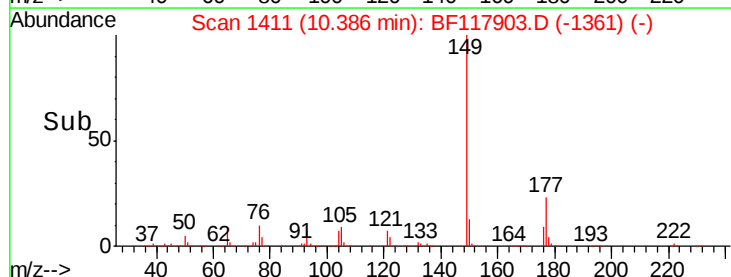
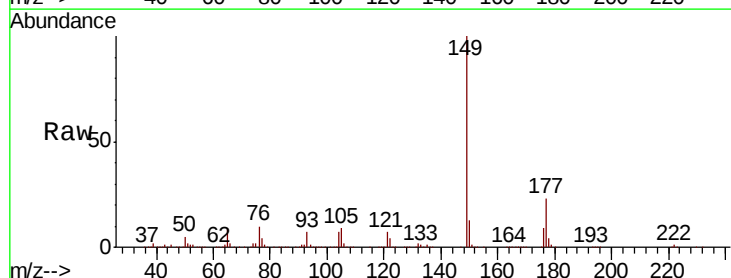
Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

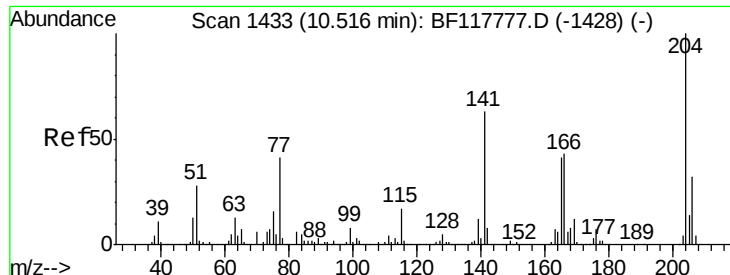
Tot Ion:	232	Resp:	230642
Ion	Ratio	Lower	Upper
232	100		
131	48.0	37.6	56.4
130	2.4	1.9	2.9
166	31.5	24.2	36.4



#60
 Diethylphthalate
 Concen: 42.452 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion:	149	Resp:	997413
Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.0	27.0
150	13.0	10.5	15.7

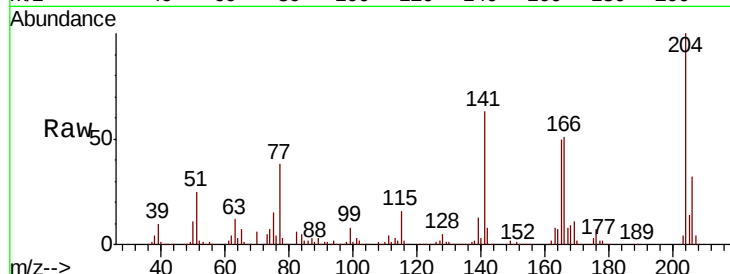




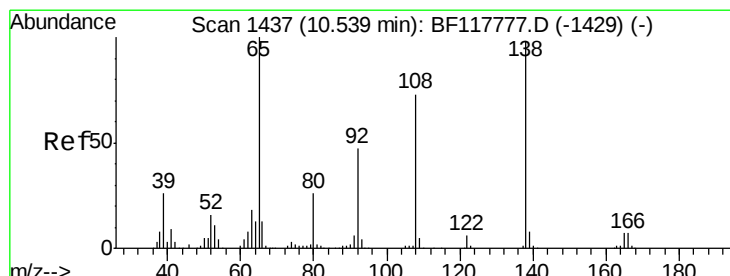
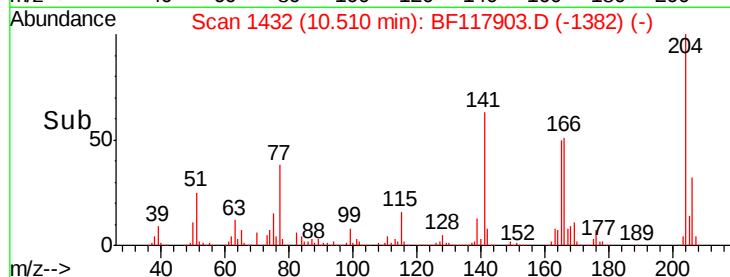
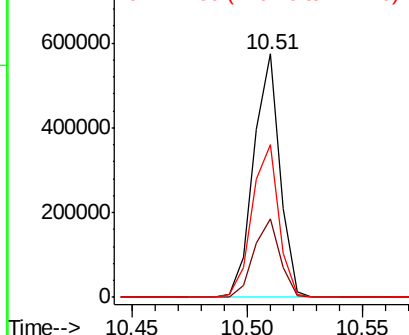
#61
 4-Chlorophenyl-phenylether
 Concen: 42.873 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

Tot Ion:	204	Resp:	457367
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.6	38.4
141	62.6	50.7	76.1

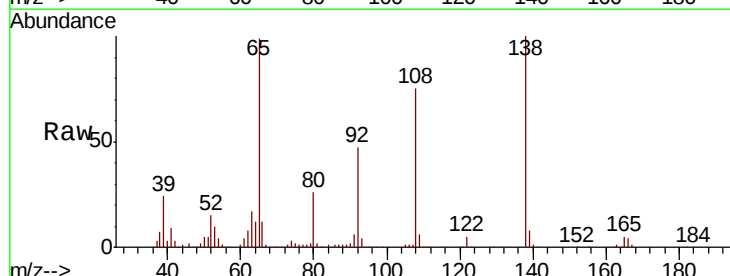


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

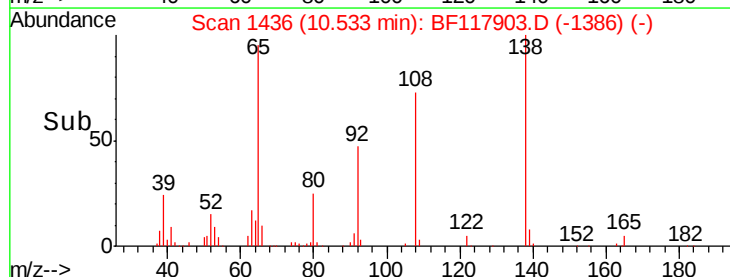
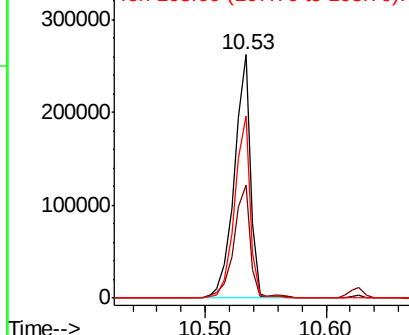


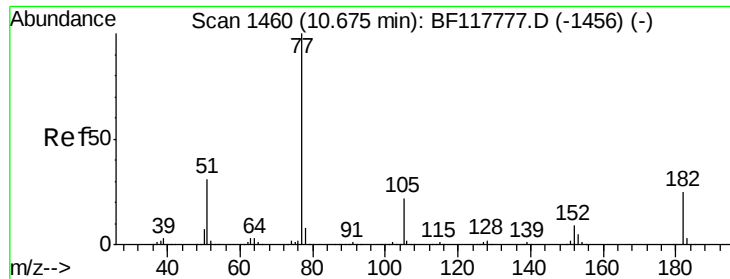
#62
 4-Nitroaniline
 Concen: 39.190 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion:	138	Resp:	247297
Ion	Ratio	Lower	Upper
138	100		
92	46.6	28.3	68.3
108	74.9	54.3	94.3



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: 43.391 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

Tot Ion: 77 Resp: 927464

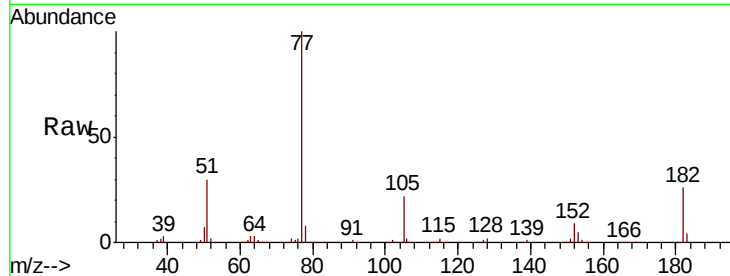
Ion Ratio Lower Upper

77 100

182 26.1 4.8 44.8

105 22.2 2.1 42.1

51 30.4 11.4 51.4

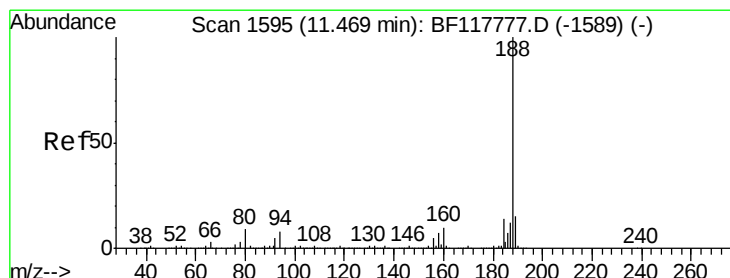
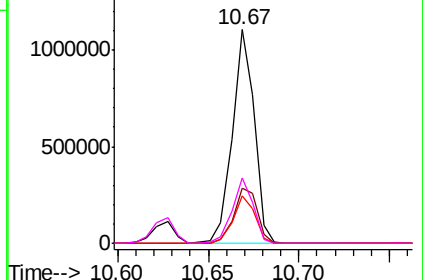
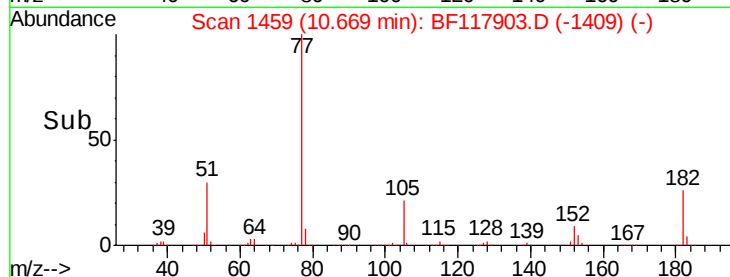


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

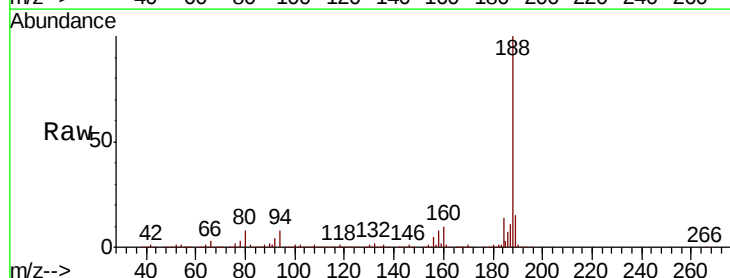
Tgt Ion: 188 Resp: 674513

Ion Ratio Lower Upper

188 100

94 7.9 6.6 10.0

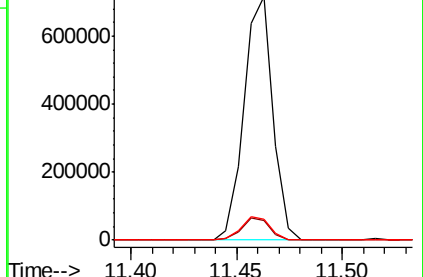
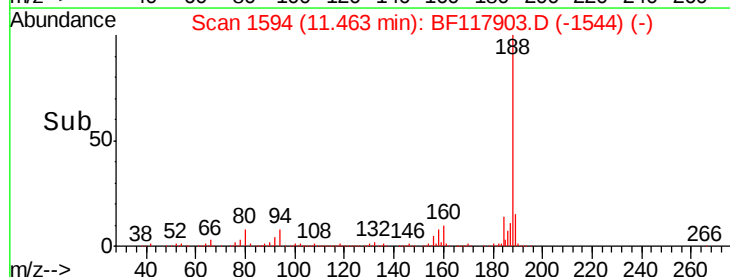
80 8.4 7.2 10.8



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

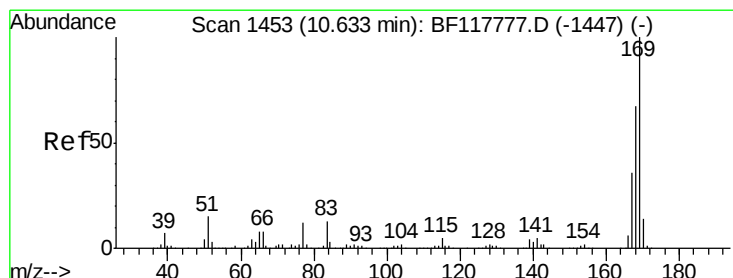
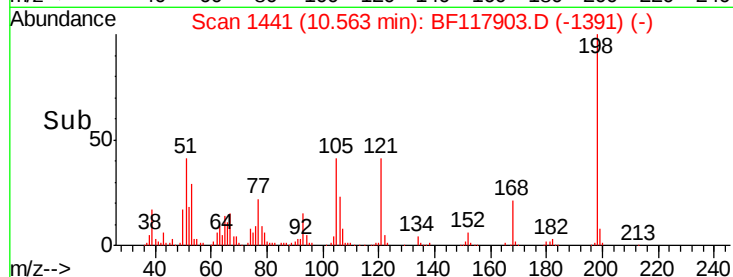
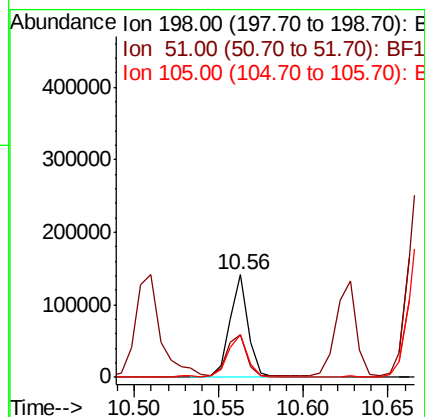
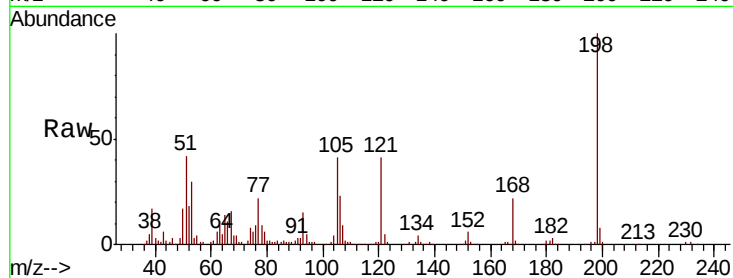




#65
4,6-Dinitro-2-methylphenol
Concen: 33.776 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

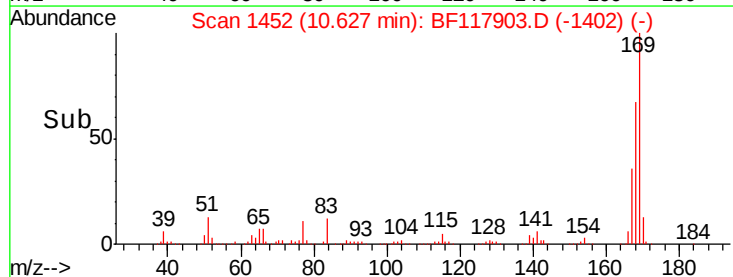
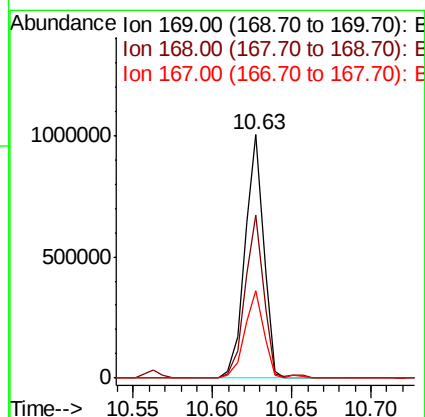
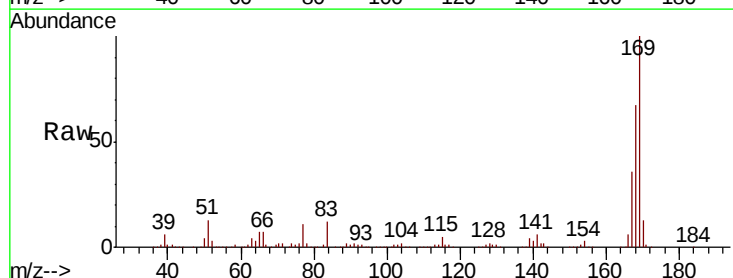
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:198 Resp: 106357
Ion Ratio Lower Upper
198 100
51 42.1 16.0 56.0
105 41.2 19.1 59.1



#66
n-Nitrosodiphenylamine
Concen: 41.477 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:169 Resp: 814199
Ion Ratio Lower Upper
169 100
168 66.8 53.5 80.3
167 36.2 29.0 43.4

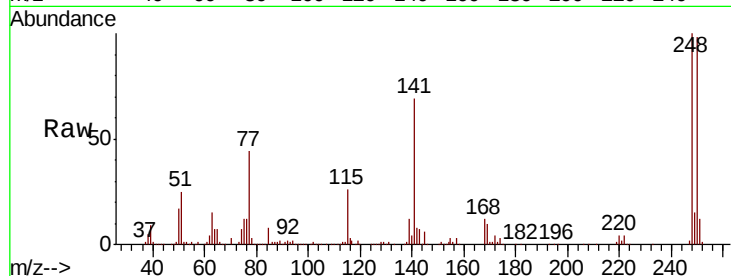




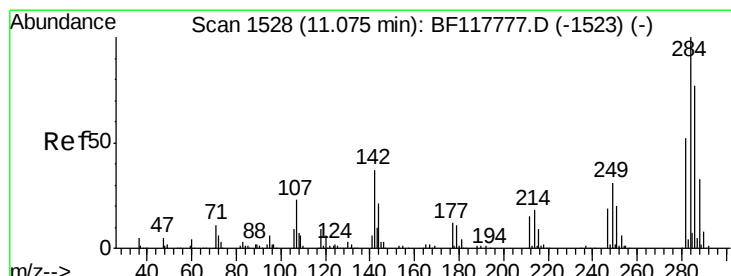
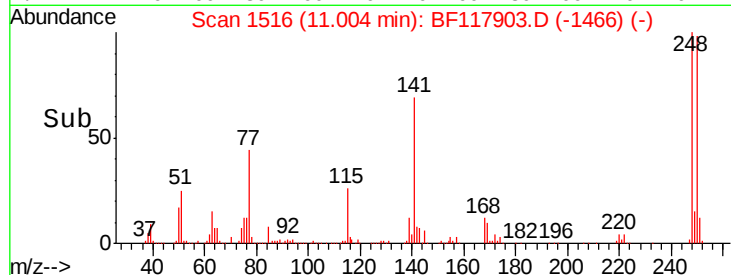
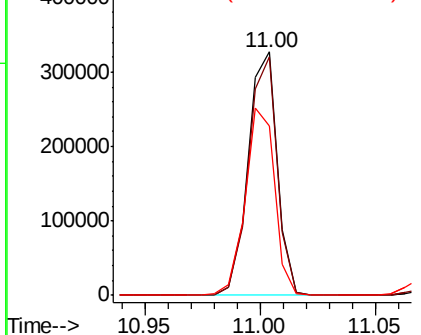
#67
4-Bromophenyl-phenylether
Concen: 39.794 ng
RT: 11.00 min Scan# 1516
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:248 Resp: 289618
Ion Ratio Lower Upper
248 100
250 98.1 76.6 115.0
141 69.4 55.9 83.9

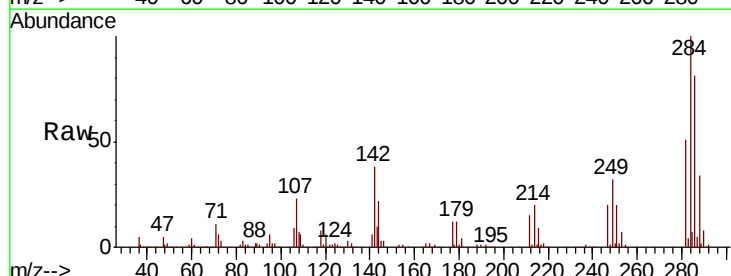


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

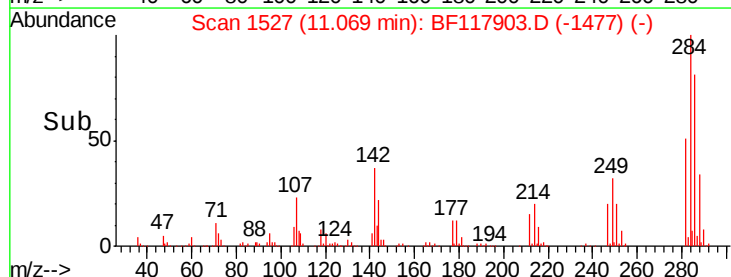
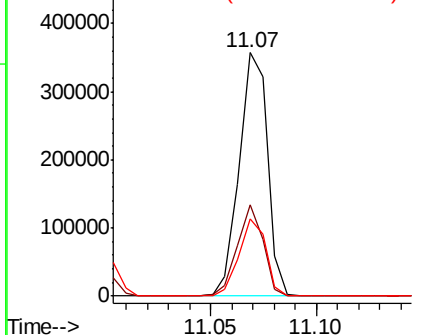


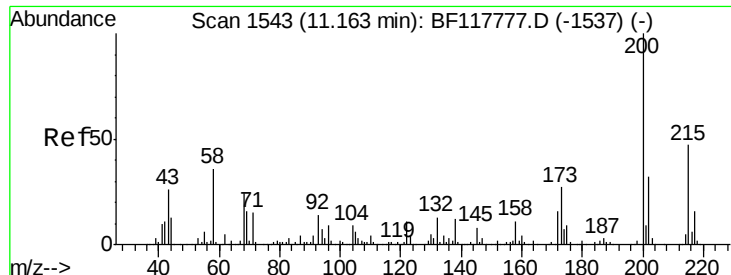
#68
Hexachlorobenzene
Concen: 38.890 ng
RT: 11.07 min Scan# 1527
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:284 Resp: 330032
Ion Ratio Lower Upper
284 100
142 37.6 29.4 44.2
249 31.7 24.6 37.0



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

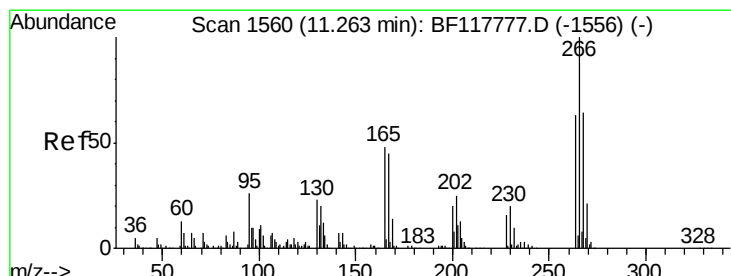
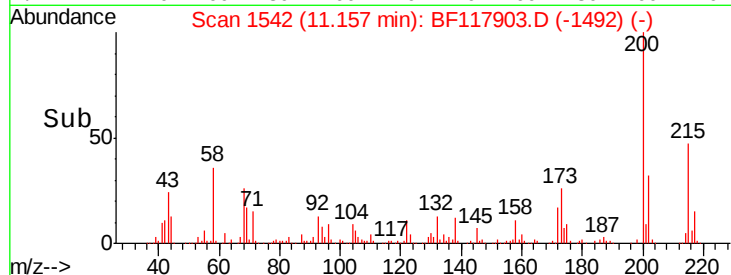
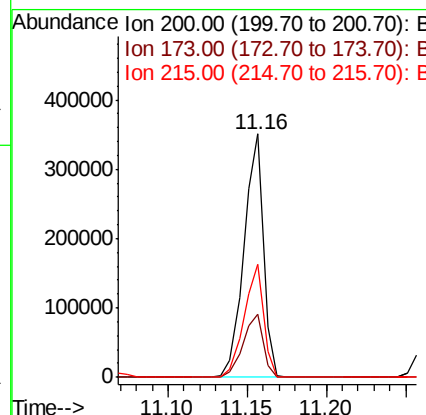
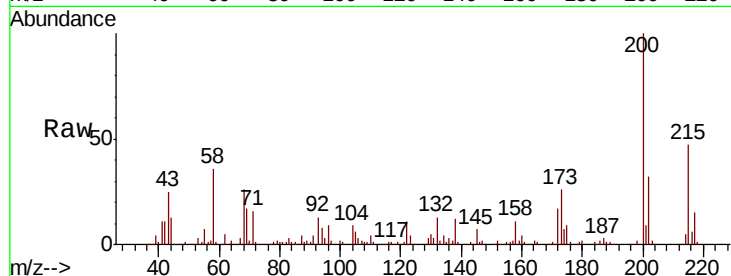




#69
 Atrazine
 Concen: 46.183 ng
 RT: 11.16 min Scan# 1542
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

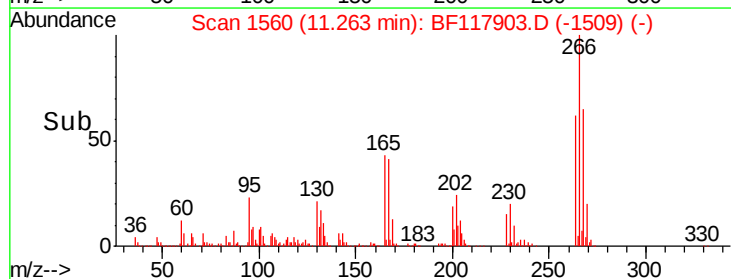
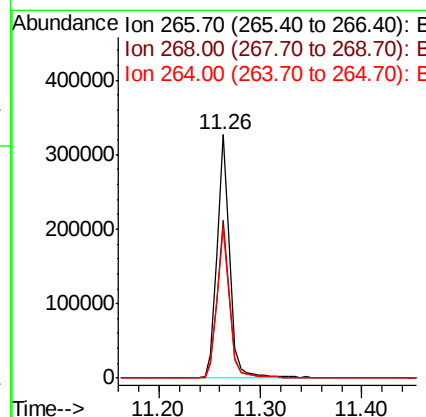
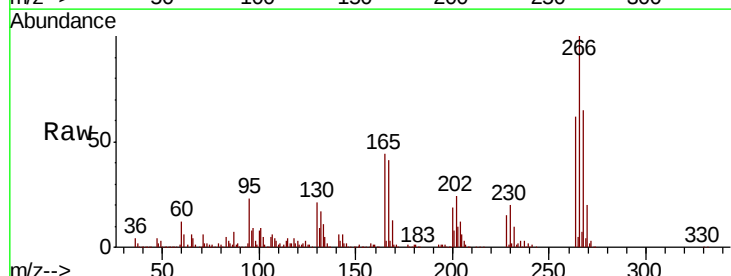
Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

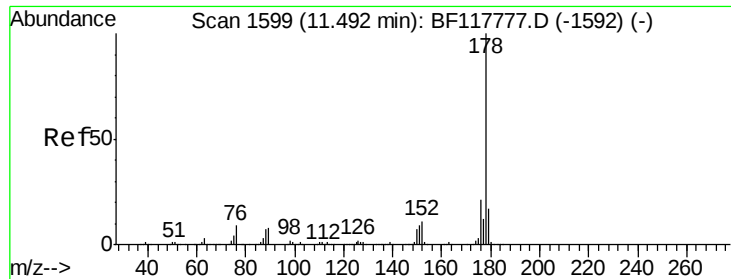
Tot Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.7	46.7
215	46.6	27.5	67.5



#70
 Pentachlorophenol
 Concen: 58.329 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.8	76.2
264	61.7	50.7	76.1

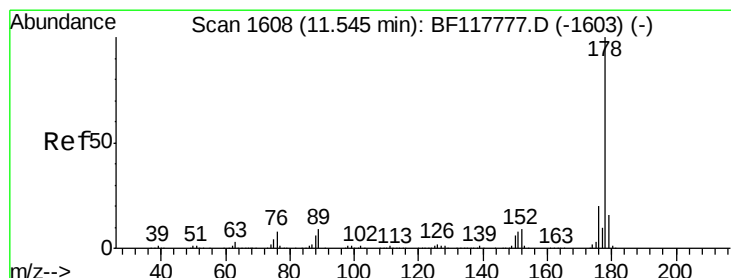
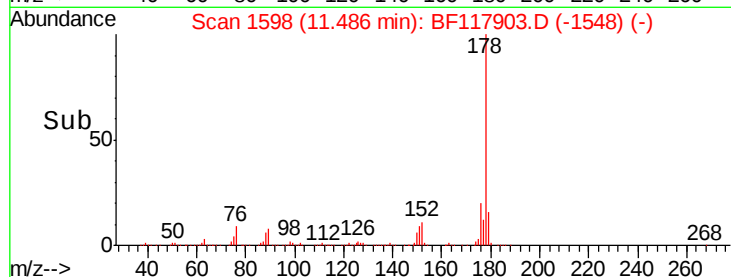
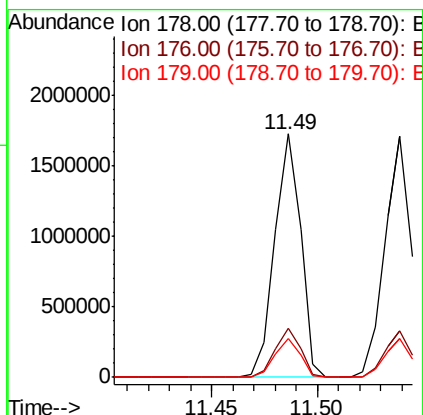
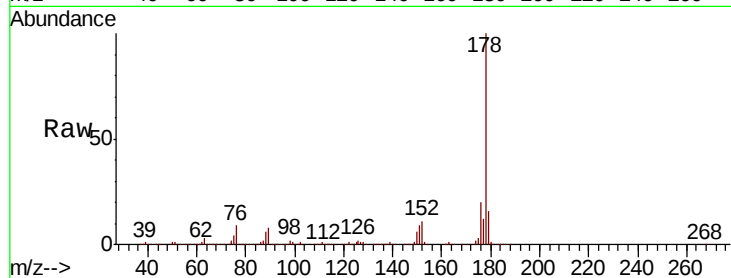




#71
Phenanthrene
Concen: 43.577 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

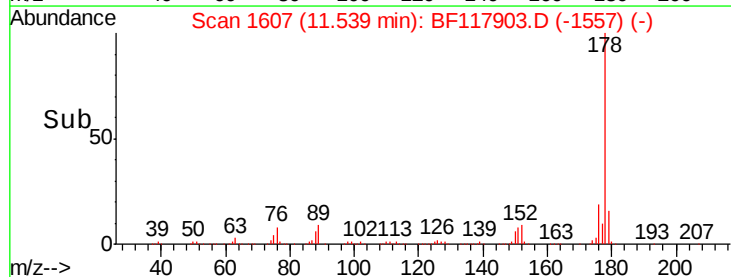
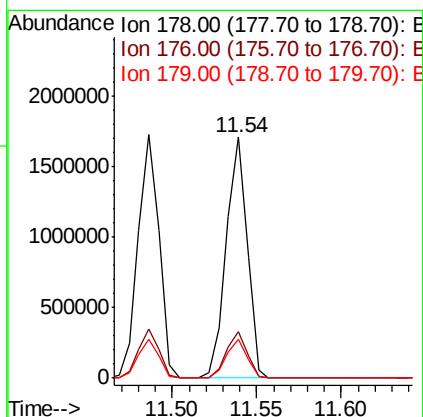
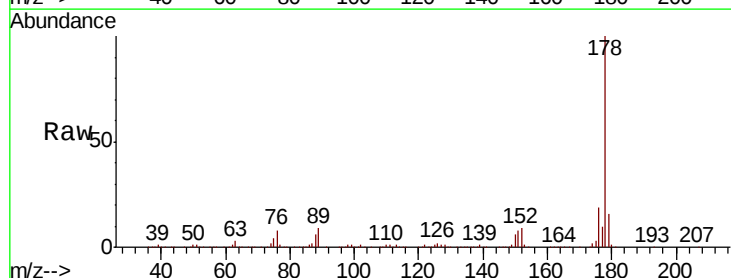
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

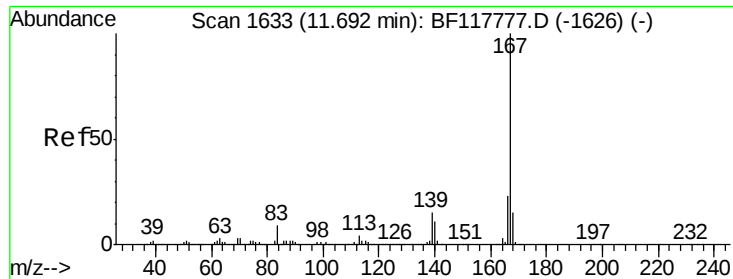
Tot Ion:178 Resp: 1477805
Ion Ratio Lower Upper
178 100
176 20.0 16.6 25.0
179 15.8 13.2 19.8



#72
Anthracene
Concen: 43.738 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:178 Resp: 1470601
Ion Ratio Lower Upper
178 100
176 19.5 16.1 24.1
179 16.1 13.0 19.4

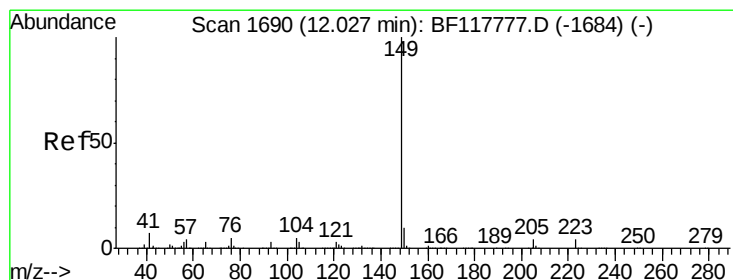
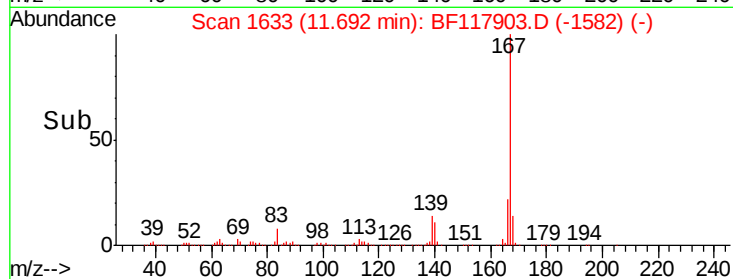
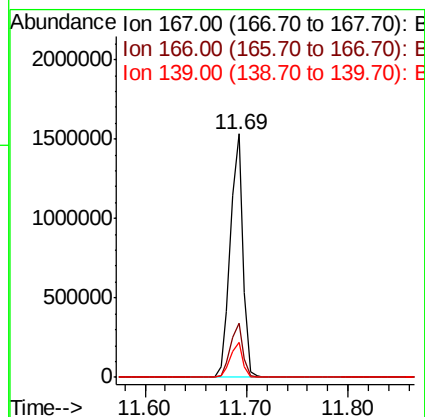
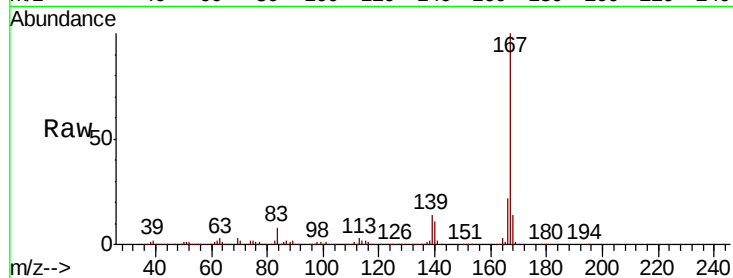




#73
 Carbazole
 Concen: 45.257 ng
 RT: 11.69 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

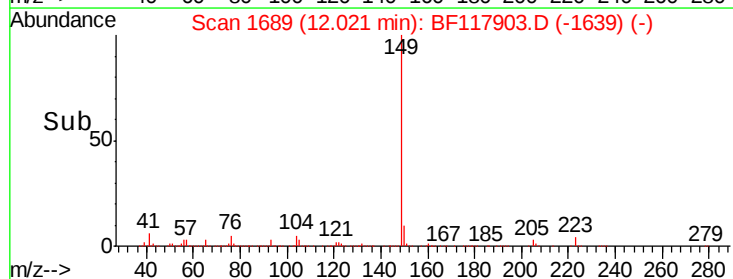
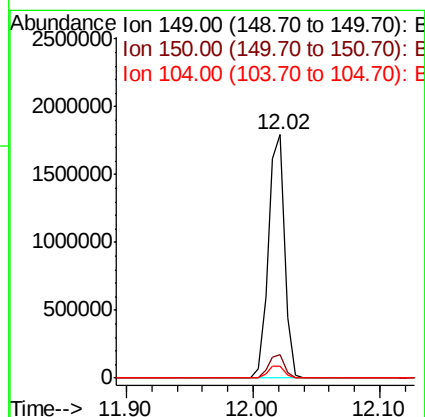
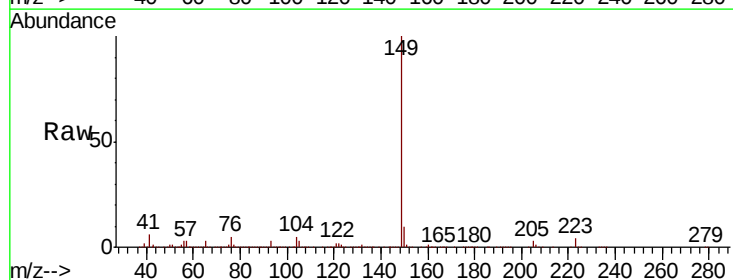
Instrument :
 BNA_F
 ClientSampleId :
 1-(2-4)MSD

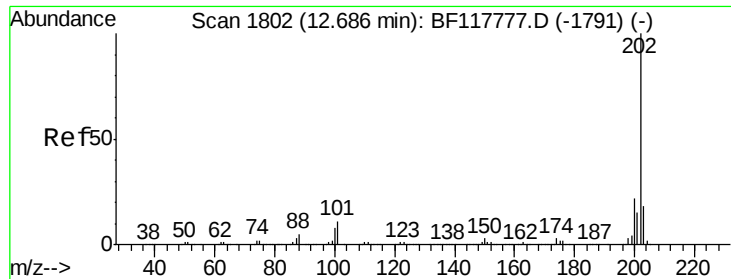
Tot Ion:167 Resp: 1329736
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.0 27.0
 139 14.3 11.7 17.5



#74
 Di-n-butylphthalate
 Concen: 43.908 ng
 RT: 12.02 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: BF117903.D
 Acq: 21 Nov 2019 11:13

Tgt Ion:149 Resp: 1606297
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.9 11.9
 104 5.0 4.2 6.4





#75

Fluoranthene

Concen: 53.604 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

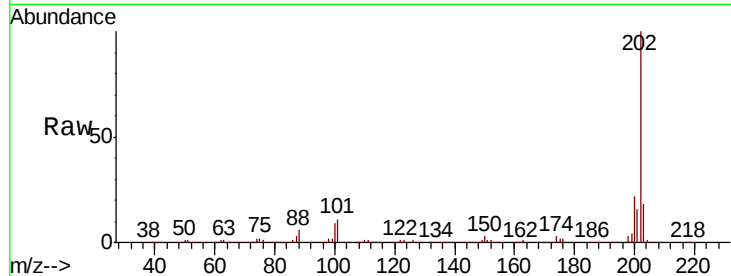
Tot Ion:202 Resp: 1610939

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.1

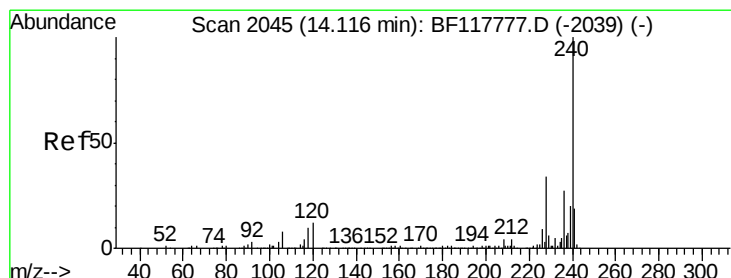
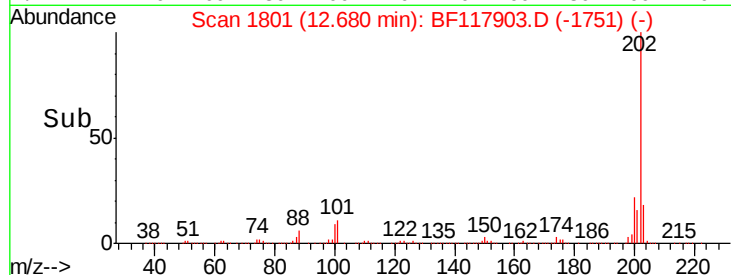
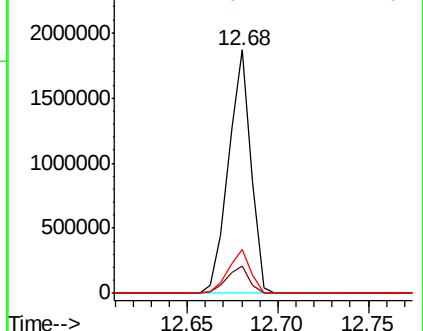
203 18.2 0.0 38.2



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: 14.12 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

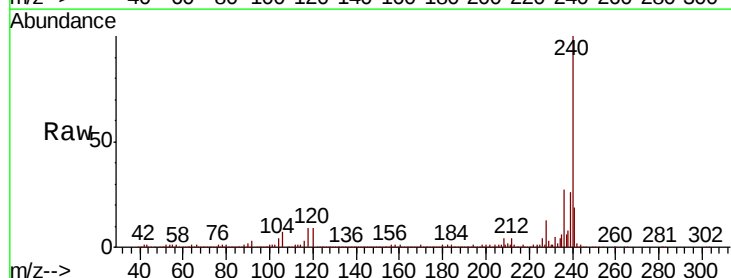
Tgt Ion:240 Resp: 521087

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

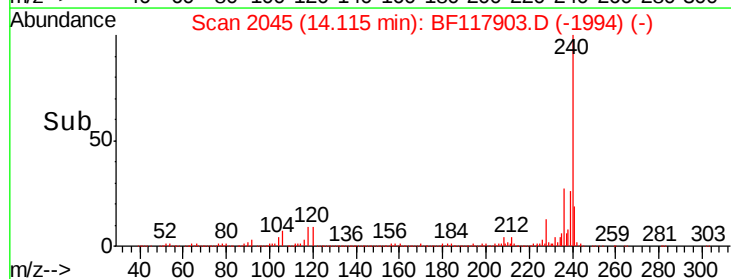
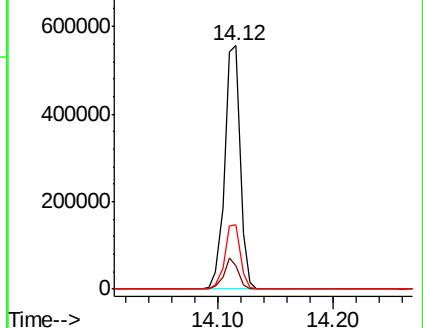
236 26.6 21.3 31.9

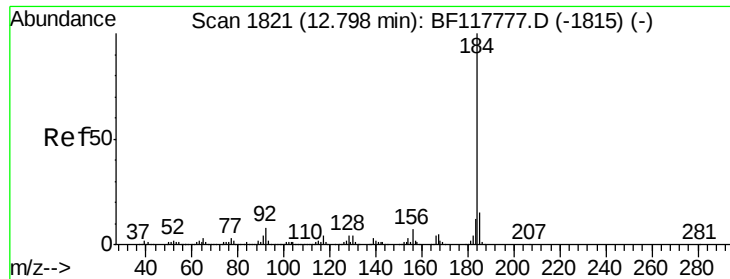


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 23.560 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

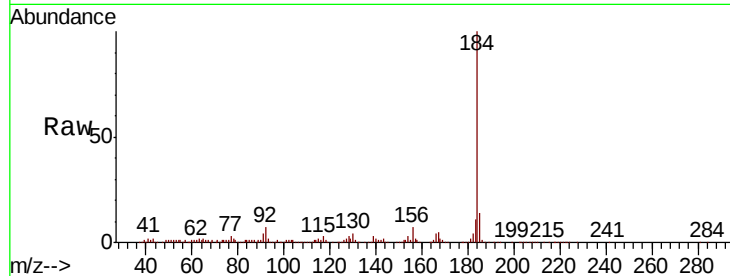
Tot Ion:184 Resp: 402132

Ion Ratio Lower Upper

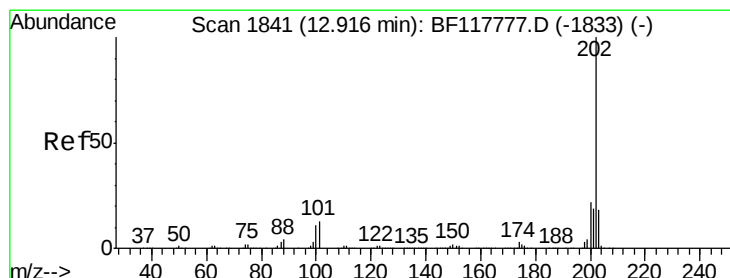
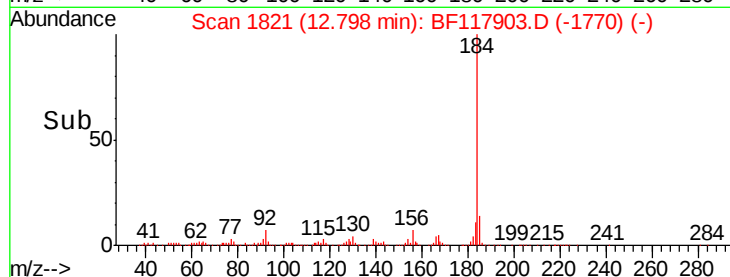
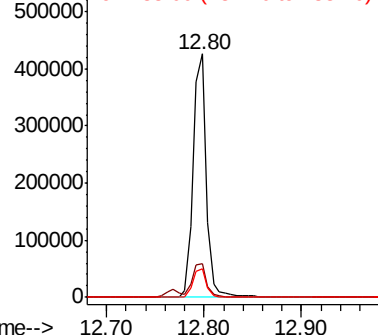
184 100

185 14.0 12.2 18.4

183 11.5 9.5 14.3



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: 38.515 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

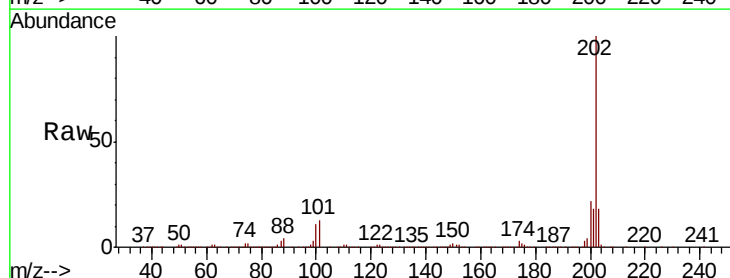
Tgt Ion:202 Resp: 1621922

Ion Ratio Lower Upper

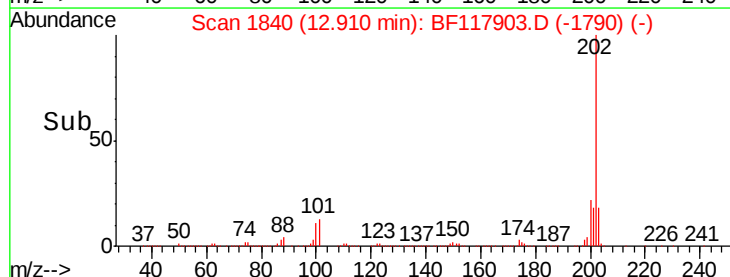
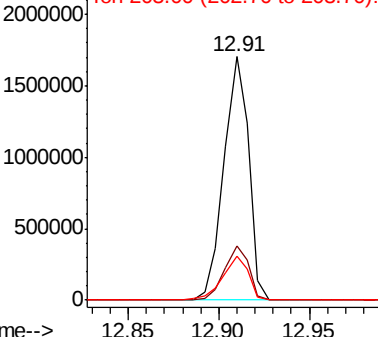
202 100

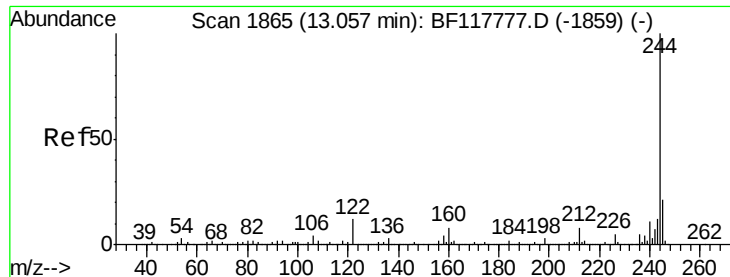
200 22.3 17.8 26.8

203 18.0 14.6 22.0



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: 53.775 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

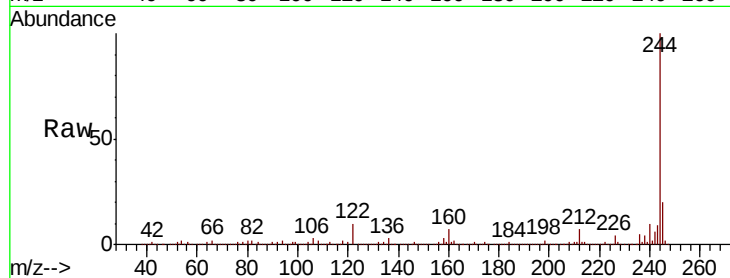
Tot Ion:244 Resp: 1533221

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	9.6	9.4	14.2

244 100

212 6.9 6.3 9.5

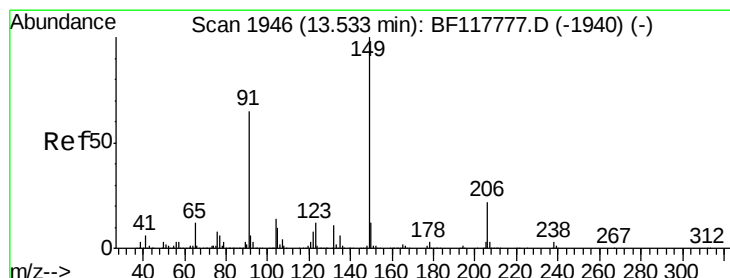
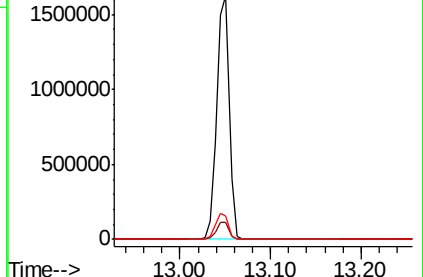
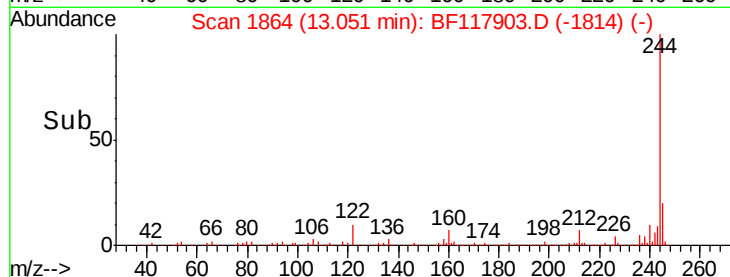
122 9.6 9.4 14.2



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: 40.295 ng

RT: 13.52 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

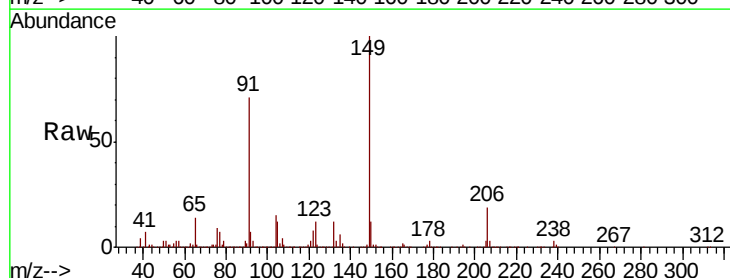
Tgt Ion:149 Resp: 728826

Ion	Ratio	Lower	Upper
149	100		
91	71.1	51.9	77.9
206	19.4	17.2	25.8

149 100

91 71.1 51.9 77.9

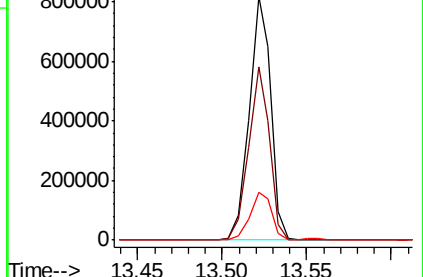
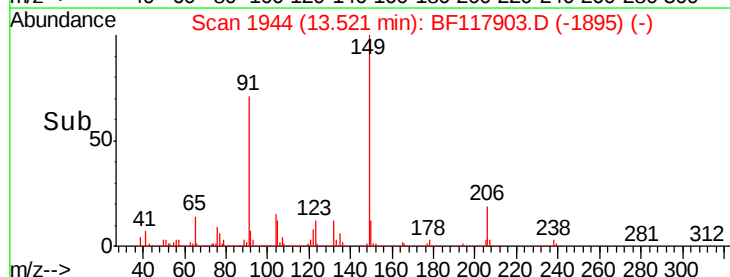
206 19.4 17.2 25.8

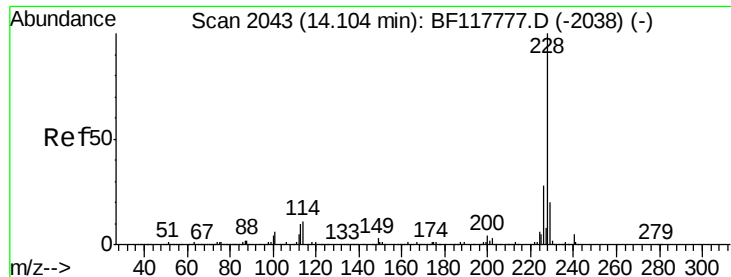


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.549 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

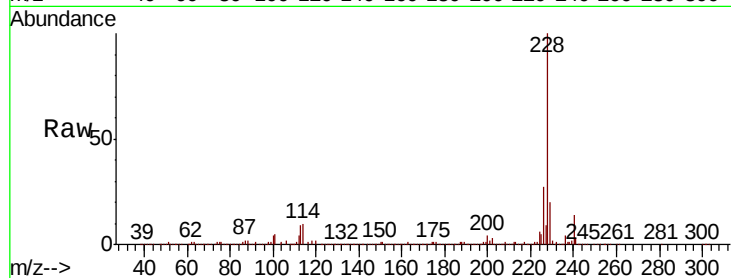
Tot Ion:228 Resp: 1465131

Ion Ratio Lower Upper

228 100

226 27.5 22.2 33.2

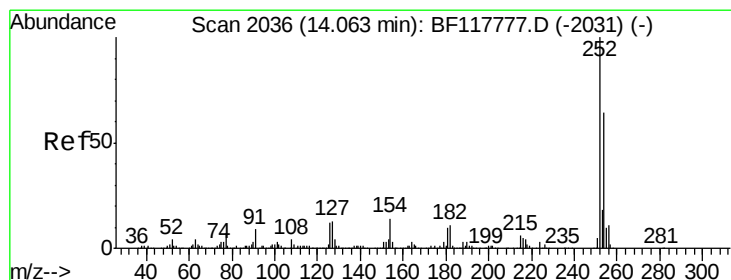
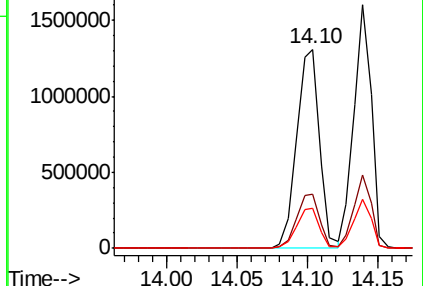
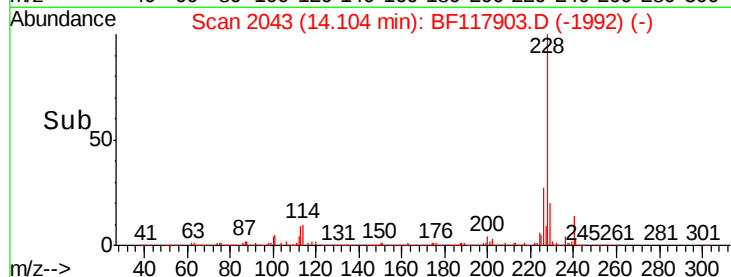
229 20.0 15.9 23.9



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: 18.101 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

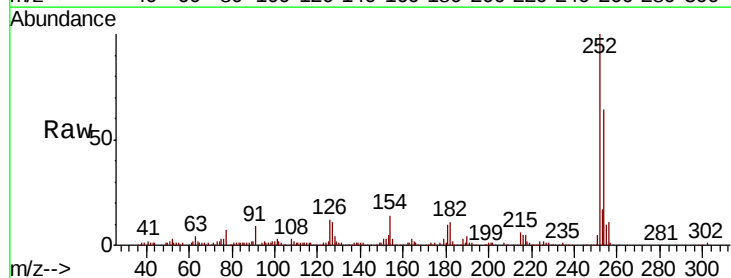
Tgt Ion:252 Resp: 218021

Ion Ratio Lower Upper

252 100

254 64.3 51.0 76.6

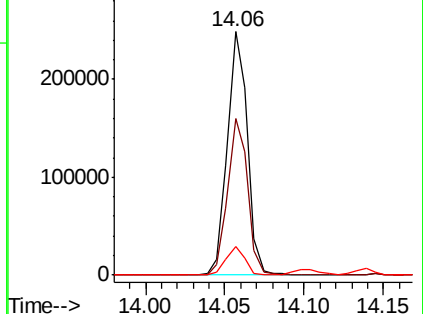
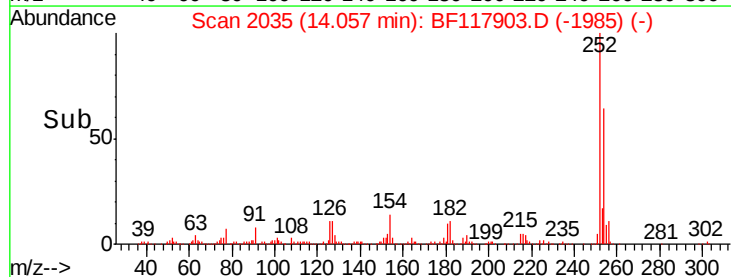
126 11.6 9.7 14.5

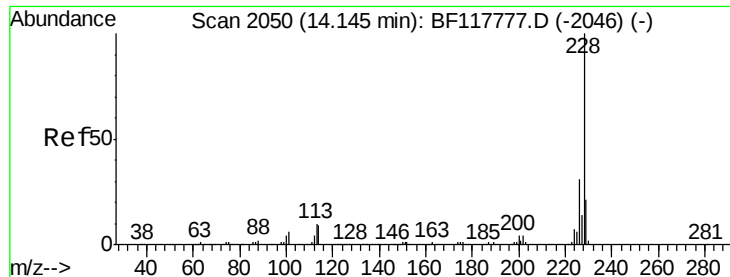


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

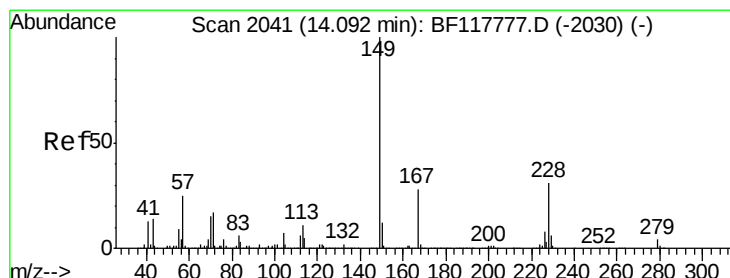
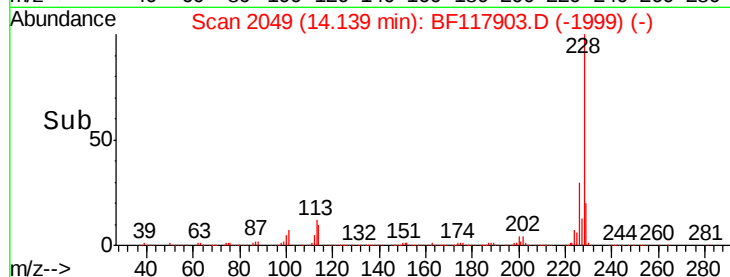
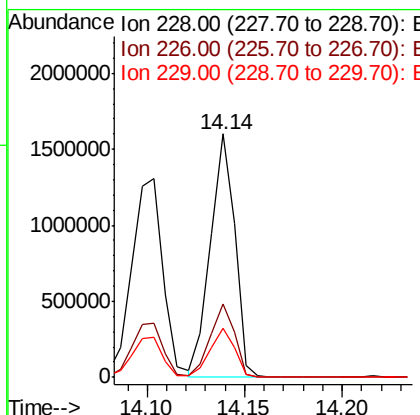
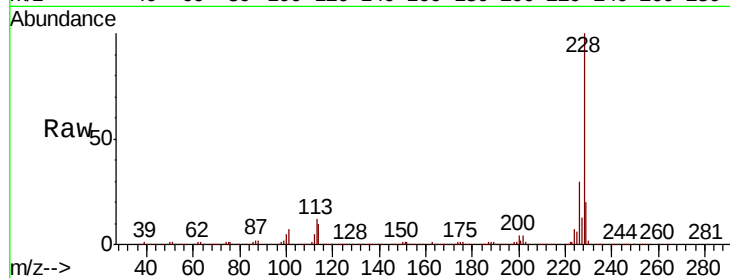




#83
Chrysene
Concen: 41.620 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

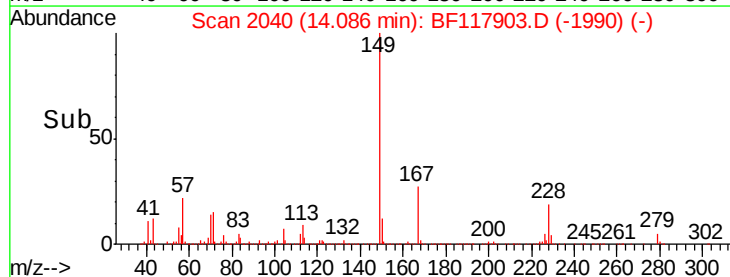
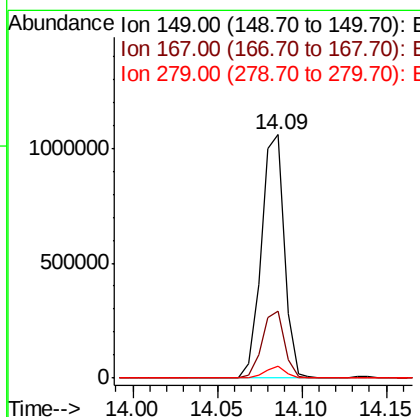
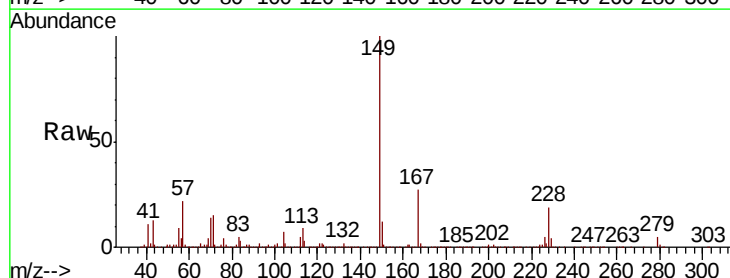
Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

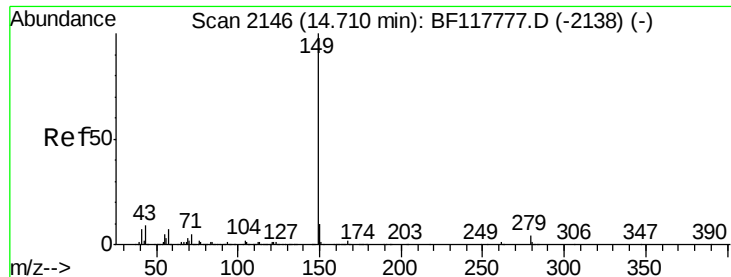
Tot Ion:228 Resp: 1388715
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.4
229 20.2 16.6 25.0



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.686 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:149 Resp: 1001810
Ion Ratio Lower Upper
149 100
167 27.4 22.2 33.2
279 4.7 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 49.738 ng

RT: 14.70 min Scan# 2144

Delta R.T. -0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

BNA_F

ClientSampleId :

1-(2-4)MSD

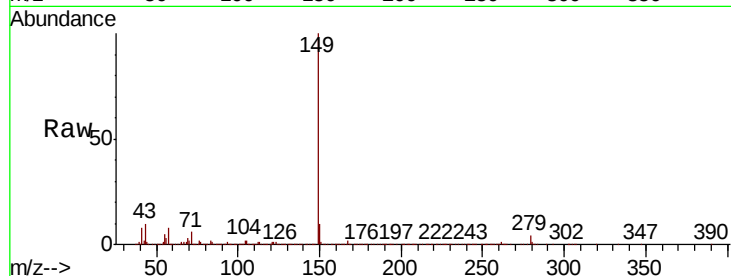
Tot Ion:149 Resp: 1602263

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

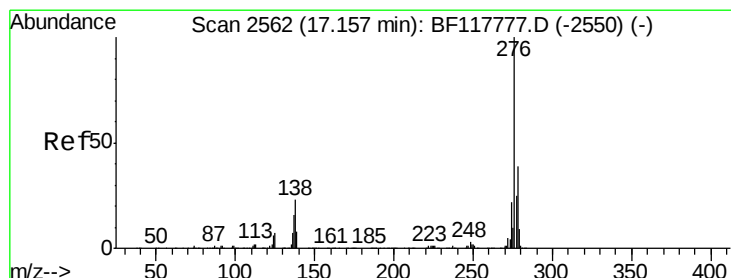
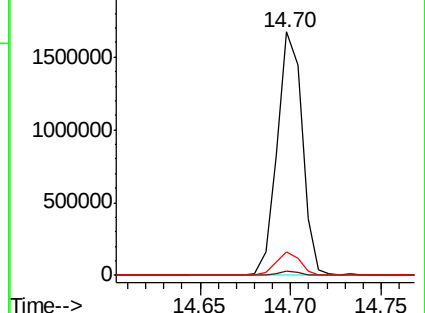
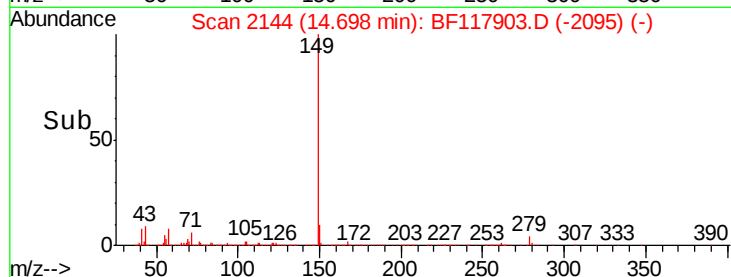
43 9.1 7.4 11.2



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: 51.654 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

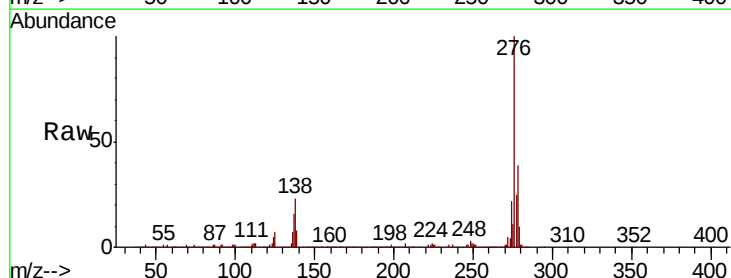
Tgt Ion:276 Resp: 1466885

Ion Ratio Lower Upper

276 100

138 25.3 20.9 31.3

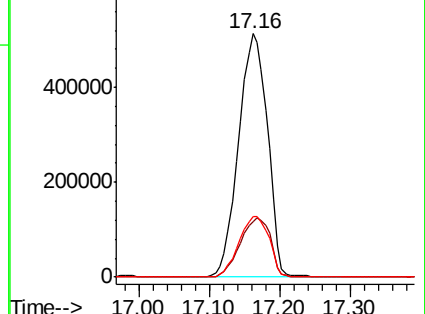
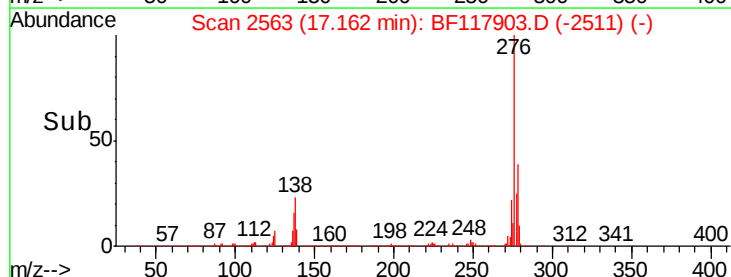
277 26.0 20.3 30.5

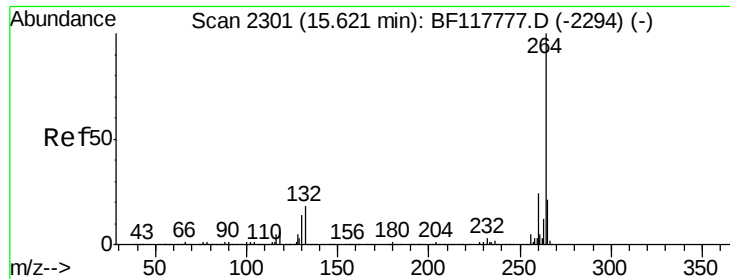


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



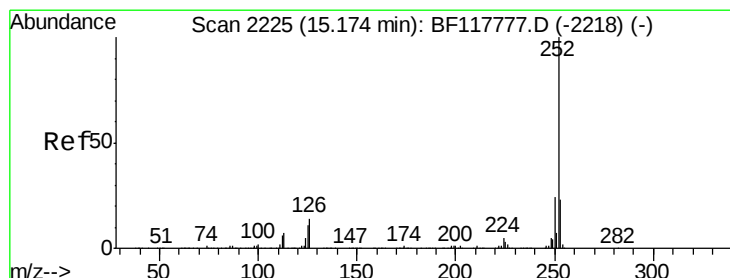
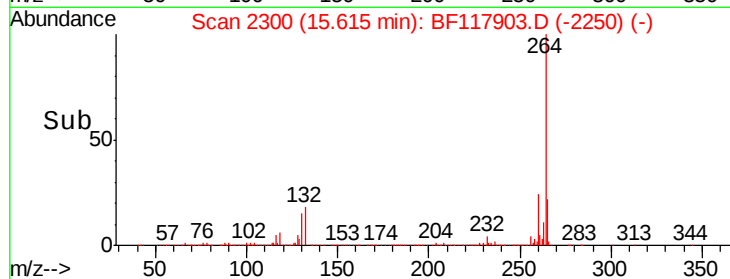
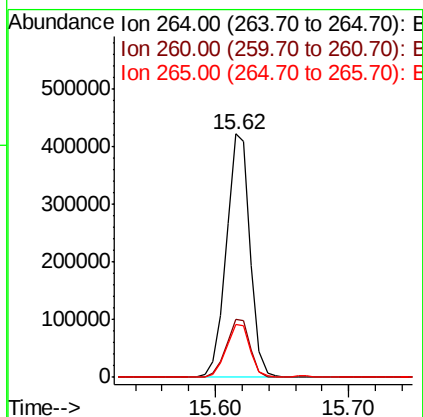
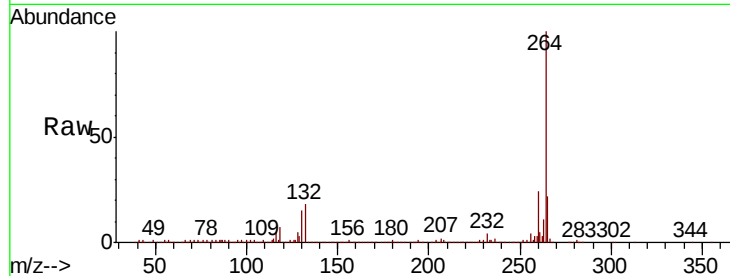


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:264 Resp: 527489

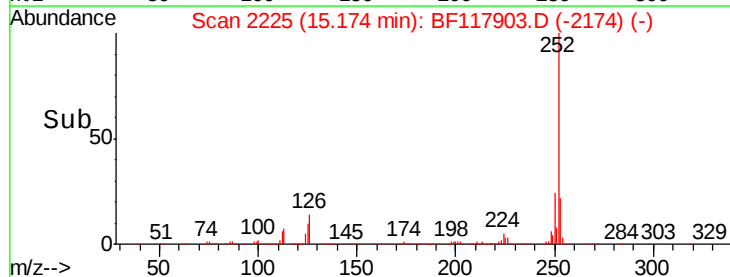
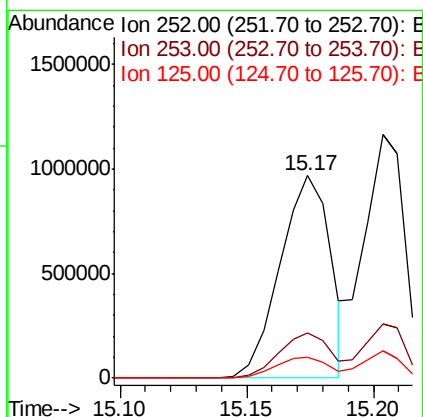
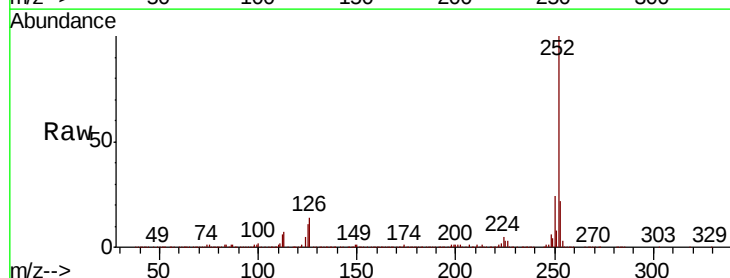
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	21.7	17.1	25.7

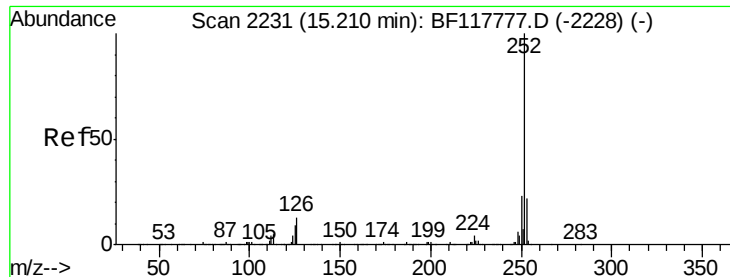


#88
Benzo(b)fluoranthene
Concen: 38.923 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:252 Resp: 1333938

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.5	8.6	13.0

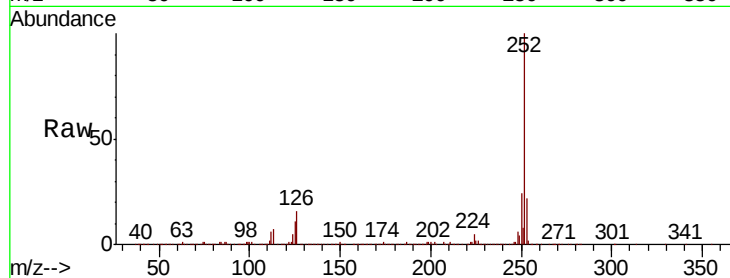




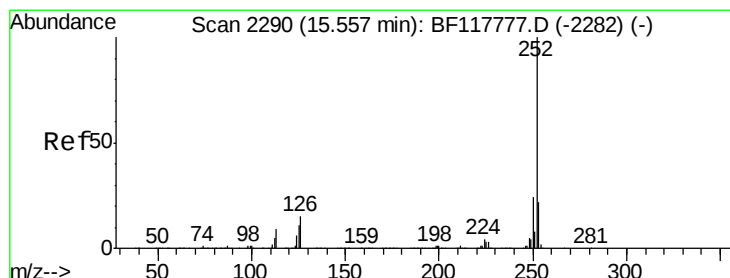
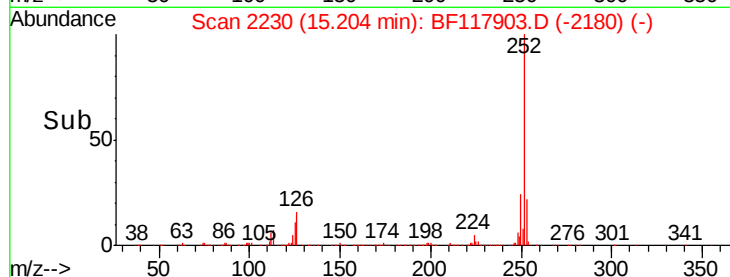
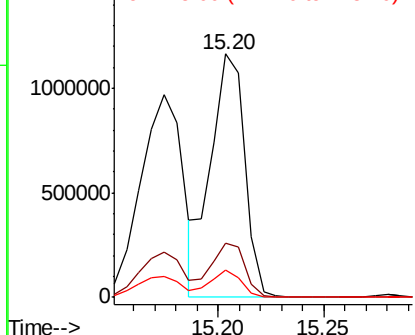
#89
Benzo(k)fluoranthene
Concen: 40.215 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Instrument :
BNA_F
ClientSampleId :
1-(2-4)MSD

Tot Ion:252 Resp: 1298596
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.0 7.9 11.9

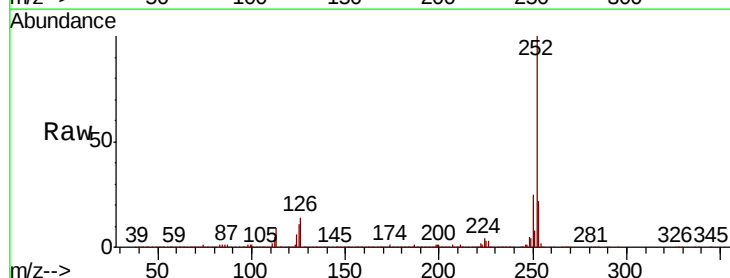


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

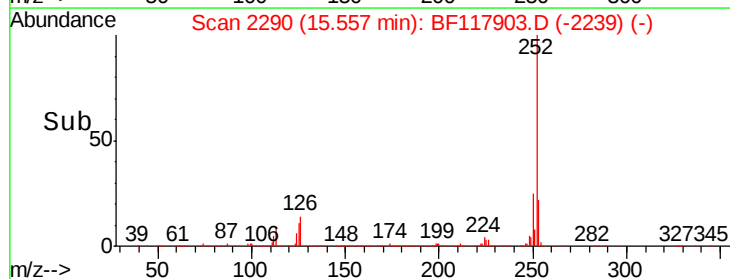
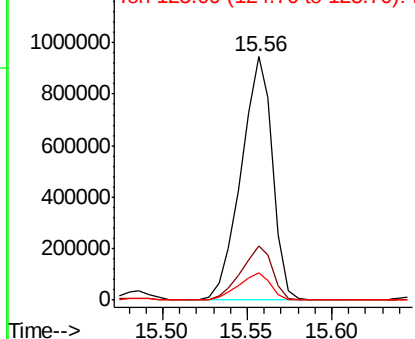


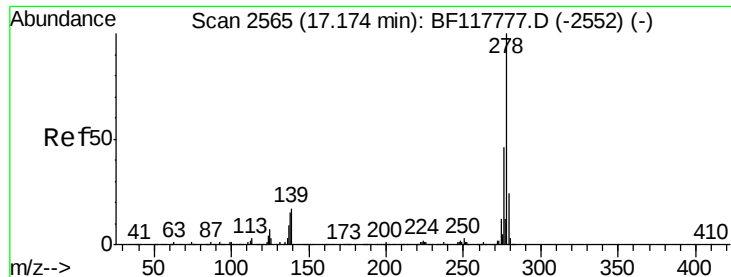
#90
Benzo(a)pyrene
Concen: 40.600 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF117903.D
Acq: 21 Nov 2019 11:13

Tgt Ion:252 Resp: 1223528
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.6
125 11.5 9.2 13.8



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





#91

Dibenzo(a,h)anthracene

Concen: 45.798 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.01 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Instrument :

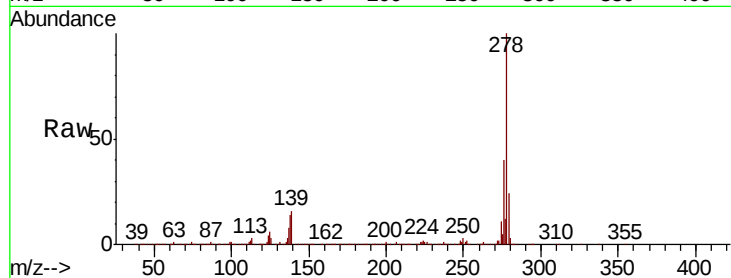
BNA_F

ClientSampleId :

1-(2-4)MSD

Tot Ion:278 Resp: 1187941

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.8	20.8
279	24.2	19.6	29.4

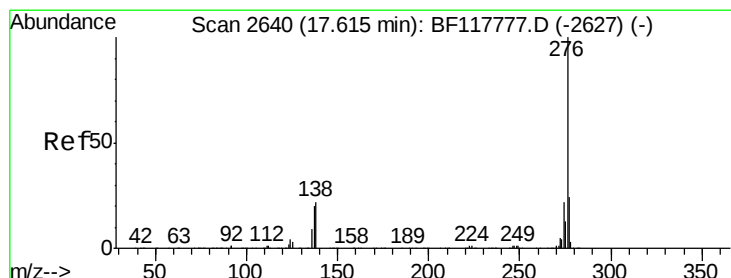
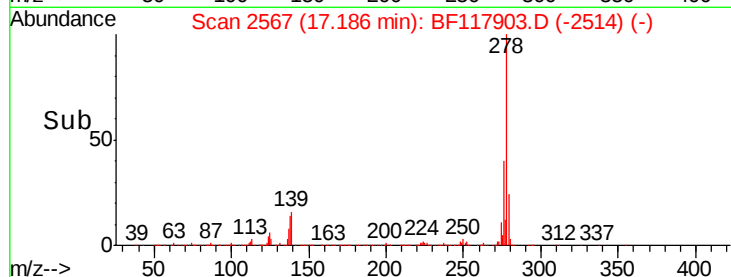
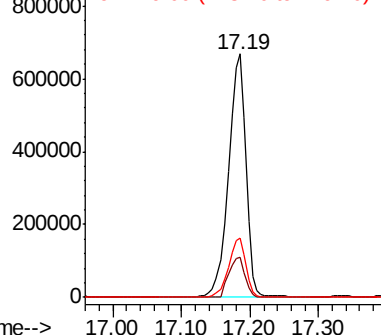


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 47.870 ng

RT: 17.63 min Scan# 2643

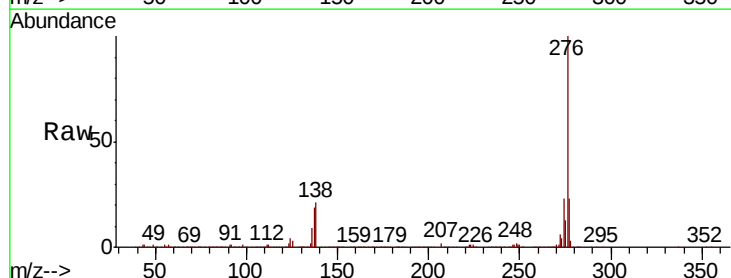
Delta R.T. 0.02 min

Lab File: BF117903.D

Acq: 21 Nov 2019 11:13

Tgt Ion:276 Resp: 1236740

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.9	28.3
138	21.5	17.4	26.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

