

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109929.D
 Acq On : 17 Oct 2018 19:27
 Operator : JU/SJ
 Sample : J5521-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 10:40:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	199322	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	354109	20.00	ng	0.01
39) Acenaphthene-d10	10.07	164	165112	20.00	ng	0.05
64) Phenanthrene-d10	11.56	188	293022	20.00	ng	0.05
76) Chrysene-d12	14.16	240	571895	20.00	ng	0.00
87) Perylene-d12	15.69	264	602243	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	681338	54.18	ng	-0.01
7) Phenol-d6	6.59	99	547198	35.04	ng	-0.02
23) Nitrobenzene-d5	7.55	82	926114	176.18	ng	0.00
42) 2,4,6-Tribromophenol	10.87	330	172447	120.63	ng	0.06
45) 2-Fluorobiphenyl	9.37	172	814569	78.72	ng	0.04
79) Terphenyl-d14	13.12	244	1240581	45.55	ng	0.01

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.59	42	13444	2.070	ng	# 1
9) Benzaldehyde	6.52	77	24563	2.421	ng	# 5
10) Phenol	6.60	94	180002	10.677	ng	# 64
15) Benzyl Alcohol	7.14	79	27579	2.296	ng	# 38
18) Hexachloroethane	7.52	117	571938	104.047	ng	# 1
19) n-Nitroso-di-n-propylamine	7.41	70	164585	16.417	ng	# 67
22) Acetophenone	7.30	105	269561	32.825	ng	# 78
24) Nitrobenzene	7.56	77	108659	19.028	ng	# 48
25) Isophorone	7.80	82	440371	42.635	ng	# 1
26) 2-Nitrophenol	7.89	139	74280	31.372	ng	# 1
27) 2,4-Dimethylphenol	7.93	122	86967	17.481	ng	# 1
28) bis(2-Chloroethoxy)methane	8.05	93	54157	7.640	ng	# 1
29) 2,4-Dichlorophenol	8.11	162	83076	17.213	ng	# 4
30) 1,2,4-Trichlorobenzene	8.18	180	14440	2.672	ng	# 52
31) Naphthalene	8.30	128	103905	6.399	ng	# 1
32) Benzoic acid	7.98	122	10468	3.377	ng	# 1
33) 4-Chloroaniline	8.33	127	71766	9.832	ng	# 1
35) Caprolactam	8.73	113	524881	306.227	ng	# 21
36) 4-Chloro-3-methylphenol	8.83	107	160409	31.506	ng	# 33
37) 2-Methylnaphthalene	9.02	142	1519794	144.540	ng	# 96
38) 1-Methylnaphthalene	9.12	142	2086059	204.742	ng	# 99
43) 2,4,6-Trichlorophenol	9.29	196	29032	9.130	ng	# 15
47) 2-Chloronaphthalene	9.55	162	112890	10.418	ng	# 38
48) 2-Nitroaniline	9.61	65	32610	11.727	ng	# 1
49) Acenaphthylene	9.95	152	204281	12.977	ng	# 1
50) Dimethylphthalate	9.77	163	66382	5.678	ng	# 52
51) 2,6-Dinitrotoluene	9.85	165	26400	11.889	ng	# 77
52) Acenaphthene	10.11	154	342216	34.147	ng	# 43
53) 3-Nitroaniline	10.03	138	33560	12.424	ng	# 38
54) 2,4-Dinitrophenol	10.26	184	7949	18.895	ng	# 1
55) Dibenzofuran	10.28	168	361973	25.326	ng	# 24
56) 4-Nitrophenol	10.19	139	240781	116.821	ng	# 59
57) 2,4-Dinitrotoluene	10.24	165	87338	32.746	ng	# 55
58) Fluorene	10.63	166	725531	69.733	ng	# 86

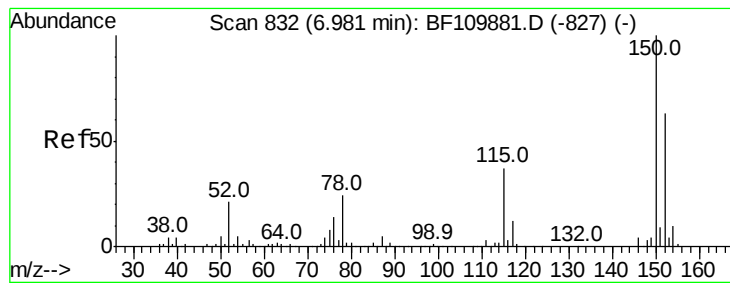
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2,3,4,6-Tetrachlorophenol	10.38	232	10068	3.849	nq	# 38
60) Diethylphthalate	10.46	149	47282	4.095	nq	# 1
62) 4-Nitroaniline	10.54	138	52201	20.415	nq	82
63) Azobenzene	10.77	77	34548	2.864	nq	# 1
65) 4,6-Dinitro-2-methylphenol	10.64	198	8359	14.482	nq	# 1
66) n-Nitrosodiphenylamine	10.74	169	1028617	105.397	nq	# 45
69) Atrazine	11.26	200	23354	7.661	nq	# 40
70) Pentachlorophenol	11.36	266	6967	3.615	nq	# 28
71) Phenanthrene	11.60	178	2515935	165.850	nq	# 92
72) Anthracene	11.64	178	241417	15.829	nq	# 25
73) Carbazole	11.83	167	70801	4.724	nq	# 1
75) Fluoranthene	12.76	202	293809	19.388	nq	89
78) Pyrene	12.99	202	472099	11.239	nq	# 90
81) Benzo(a)anthracene	14.15	228	131685	3.909	nq	# 90
83) Chrysene	14.19	228	118957	3.710	nq	# 93
86) Indeno(1,2,3-cd)pyrene	17.24	276	69069	2.675	nq	96
88) Benzo(b)fluoranthene	15.23	252	197335	5.684	nq	# 97
89) Benzo(k)fluoranthene	15.23	252	197335	5.766	nq	# 96
90) Benzo(a)pyrene	15.62	252	108267	3.390	nq	# 95
92) Benzo(g,h,i)perylene	17.71	276	62602	2.189	nq	# 91

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

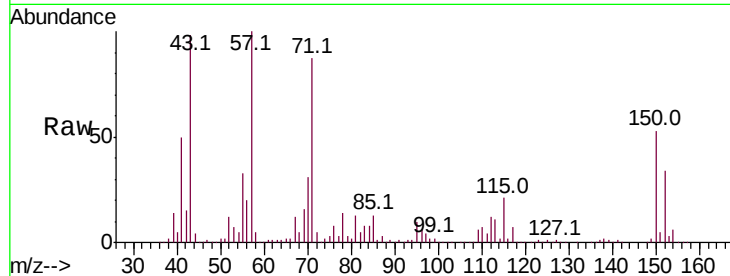


#1

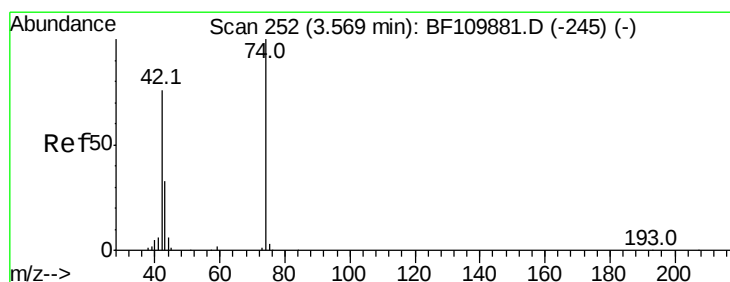
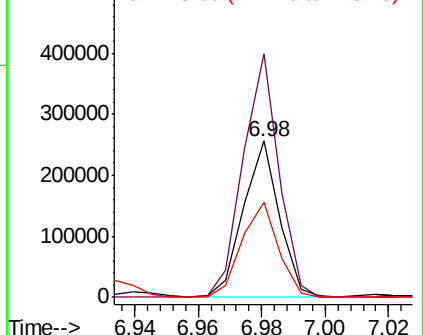
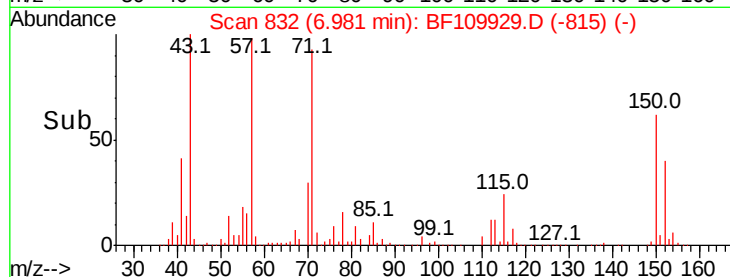
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.7	184.1
115	61.3	49.1	73.7



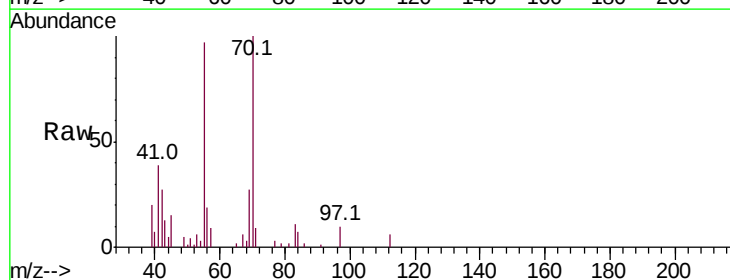
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



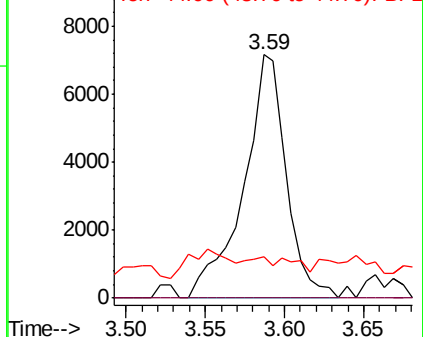
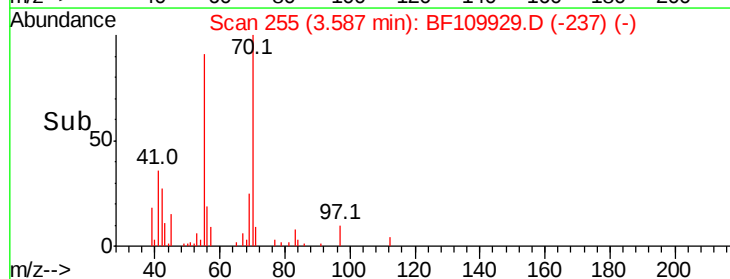
#4

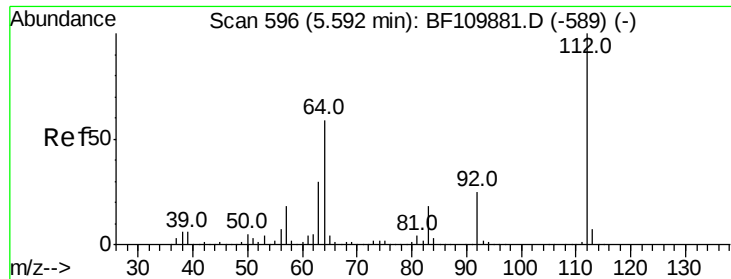
n-Nitrosodimethylamine
 Concen: 2.070 ng
 RT: 3.59 min Scan# 255
 Delta R.T. 0.01 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	105.5	158.3#
44	17.2	4.9	7.3#



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: 54.184 ng

RT: 5.59 min Scan# 595

Delta R.T. -0.01 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampled :

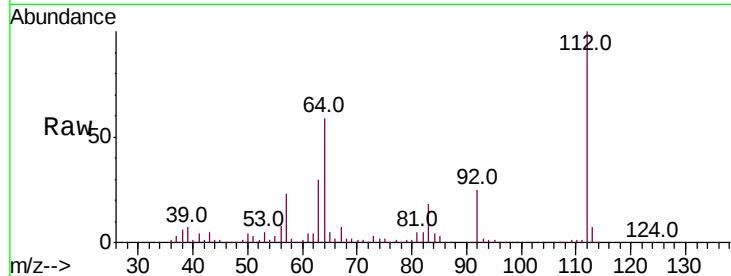
Tot Ion:112 Resp: 681338

Ion Ratio Lower Upper

112 100

64 59.5 44.1 66.1

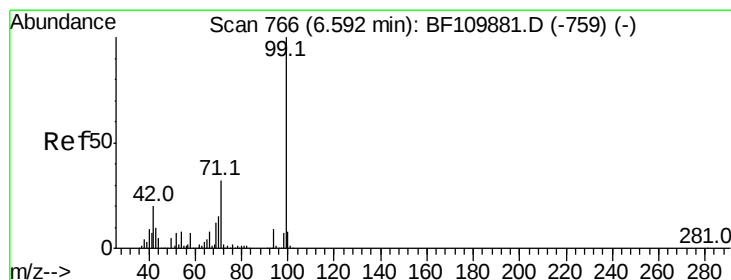
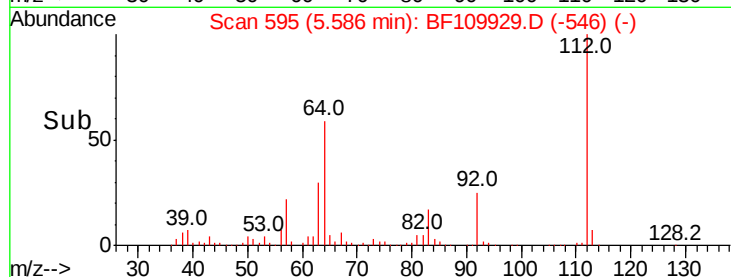
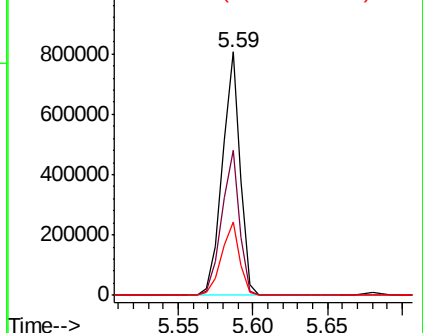
63 30.0 23.7 35.5



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



#7

Phenol-d6

Concen: 35.045 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

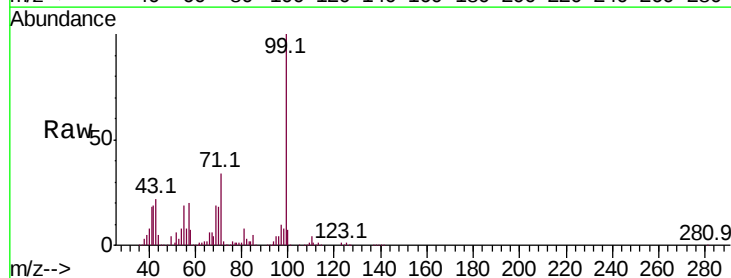
Tgt Ion: 99 Resp: 547198

Ion Ratio Lower Upper

99 100

42 19.5 15.8 23.6

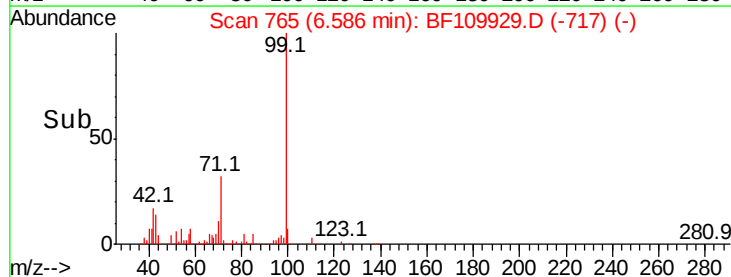
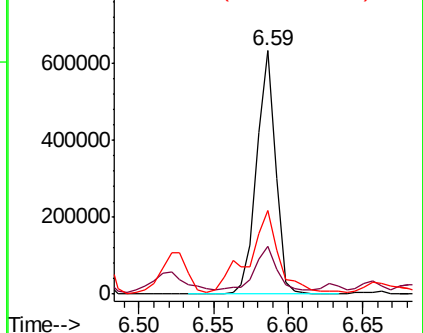
71 34.5 28.0 42.0

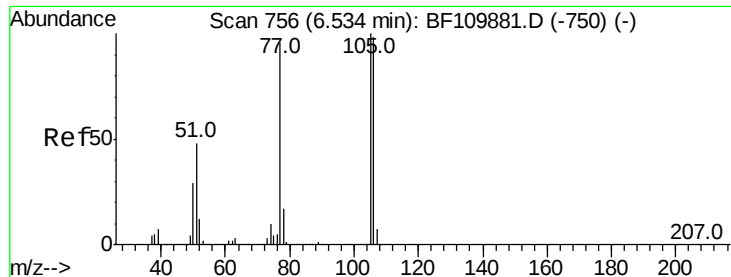


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 2.421 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampled :

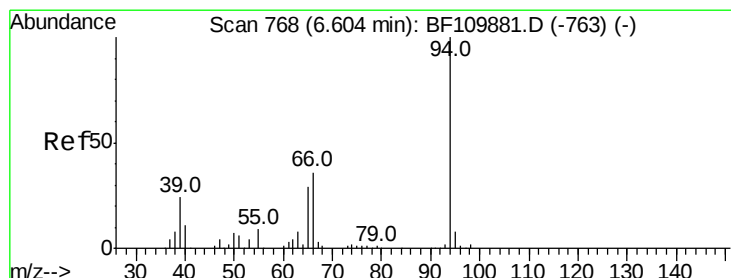
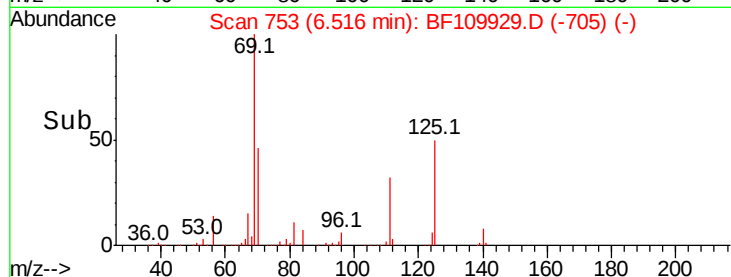
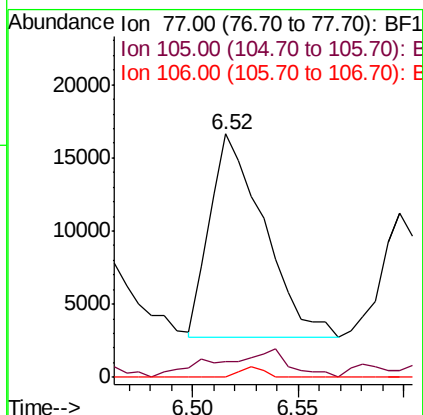
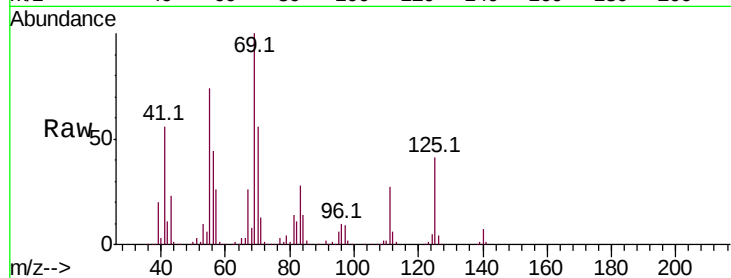
Tot Ion: 77 Resp: 24563

Ion Ratio Lower Upper

77 100

105 6.3 78.6 118.6#

106 0.0 74.8 114.8#



#10

Phenol

Concen: 10.677 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

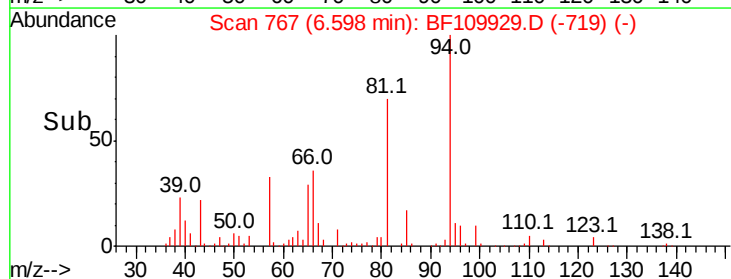
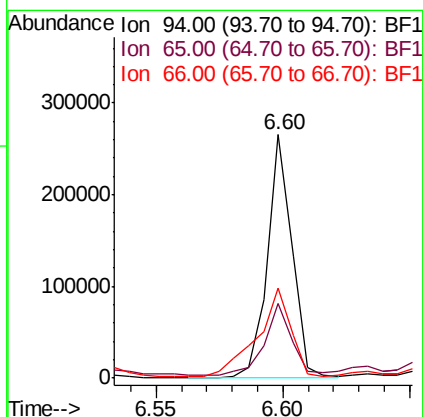
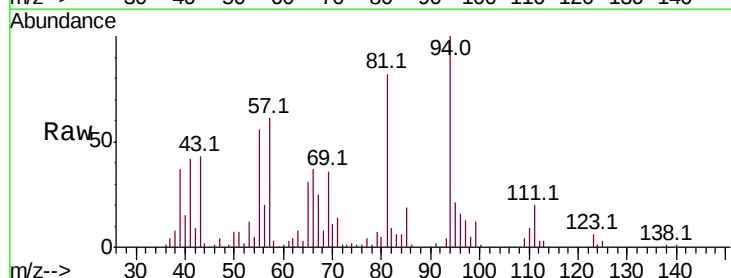
Tgt Ion: 94 Resp: 180002

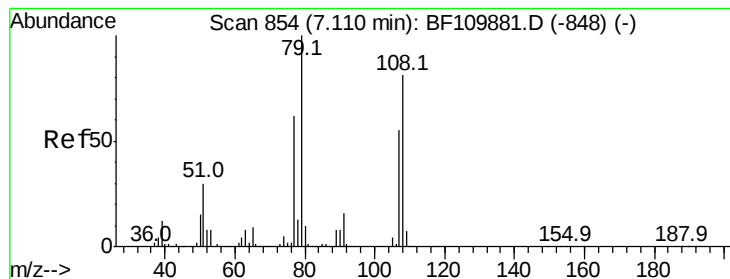
Ion Ratio Lower Upper

94 100

65 30.7 25.3 65.3

66 36.7 54.5 94.5#





#15

Benzyl Alcohol

Concen: 2.296 ng

RT: 7.14 min Scan# 859

Delta R.T. 0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampled :

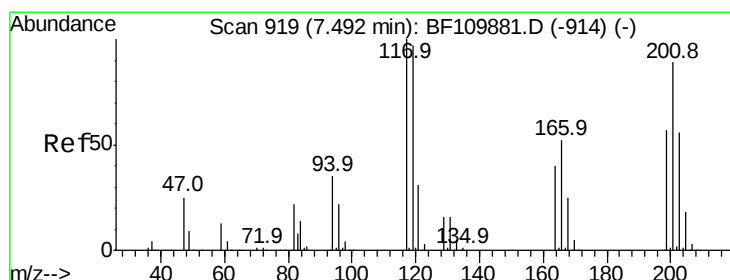
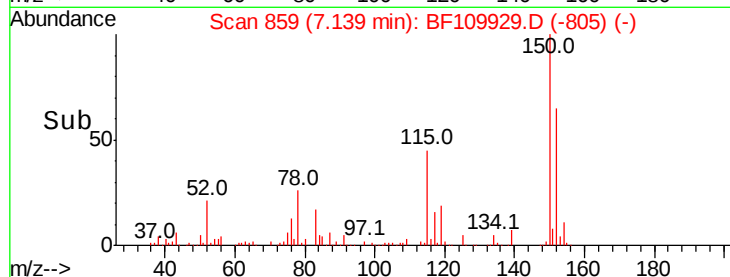
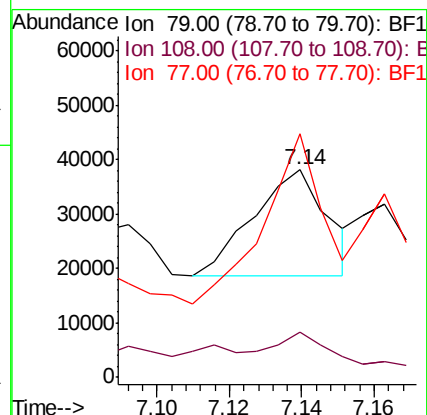
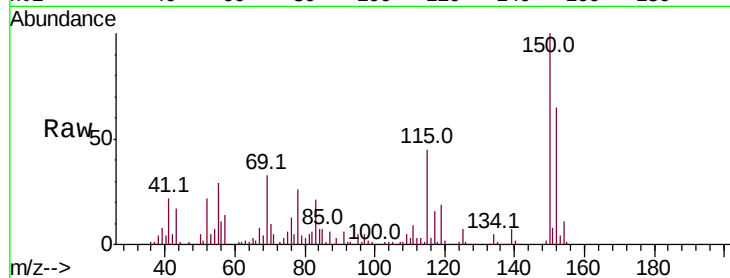
Tot Ion: 79 Resp: 27579

Ion Ratio Lower Upper

79 100

108 21.8 56.3 84.5#

77 117.5 52.9 79.3#



#18

Hexachloroethane

Concen: 104.047 ng

RT: 7.52 min Scan# 923

Delta R.T. 0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

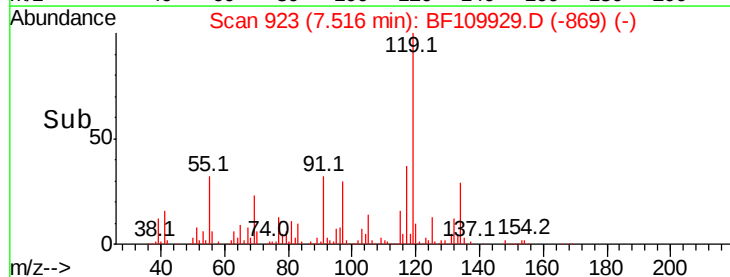
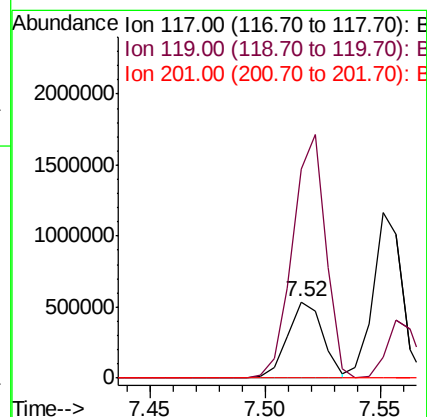
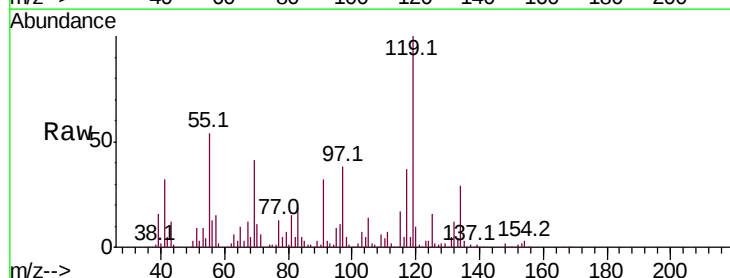
Tgt Ion: 117 Resp: 571938

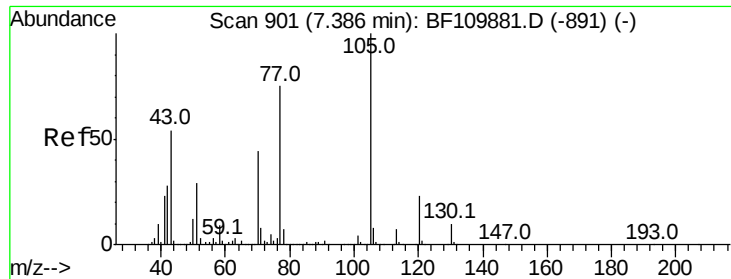
Ion Ratio Lower Upper

117 100

119 272.9 75.0 112.6#

201 0.0 79.2 118.8#

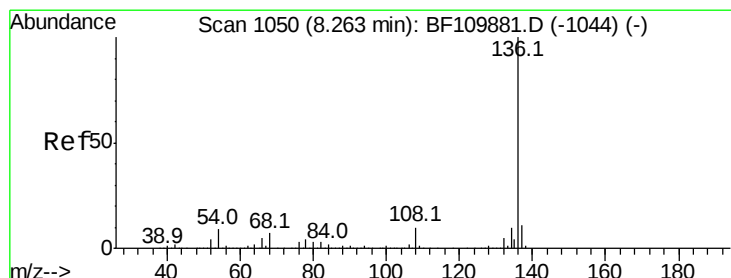
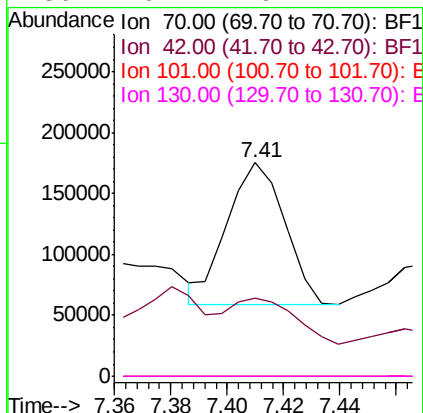
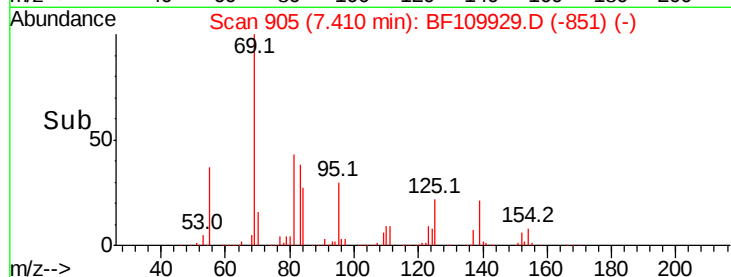
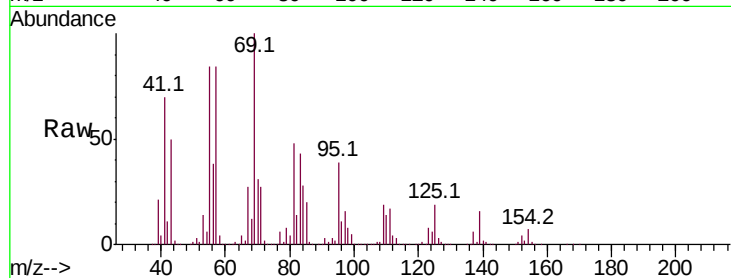




#19
n-Nitroso-di-n-propylamine
Concen: 16.417 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.02 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

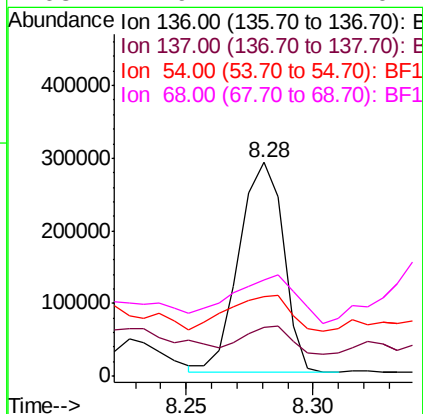
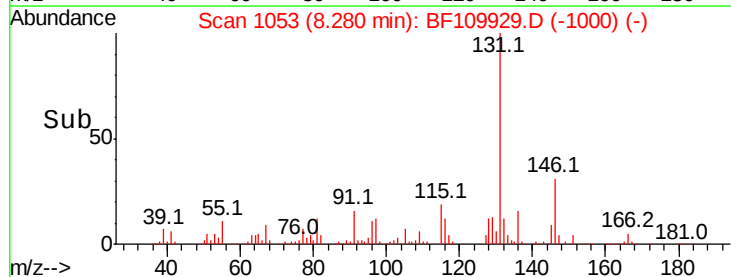
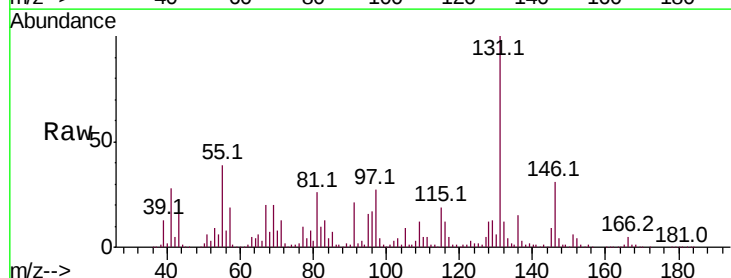
Instrument :
BNA_F
ClientSampleId :

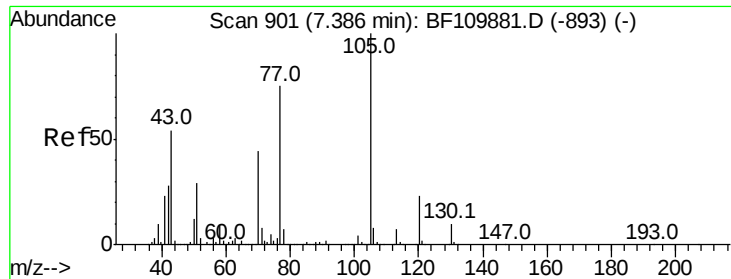
Tot Ion: 70 Resp: 164585
Ion Ratio Lower Upper
70 100
42 36.6 47.4 71.2#
101 0.2 7.3 10.9#
130 0.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion:136 Resp: 354109
Ion Ratio Lower Upper
136 100
137 22.6 8.8 13.2#
54 37.1 5.4 8.2#
68 44.9 4.2 6.2#

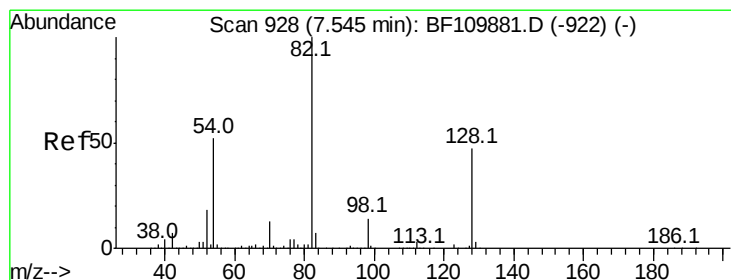
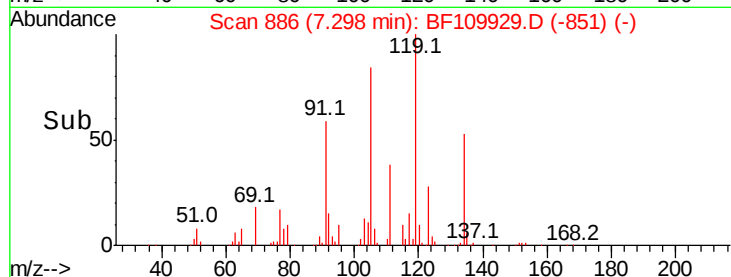
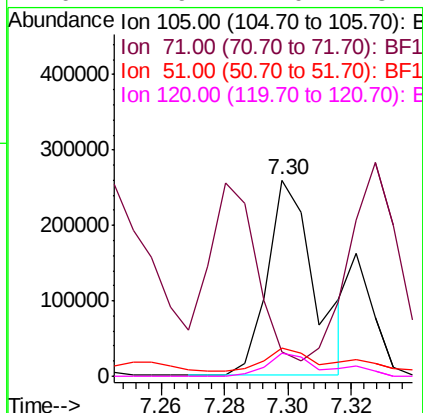
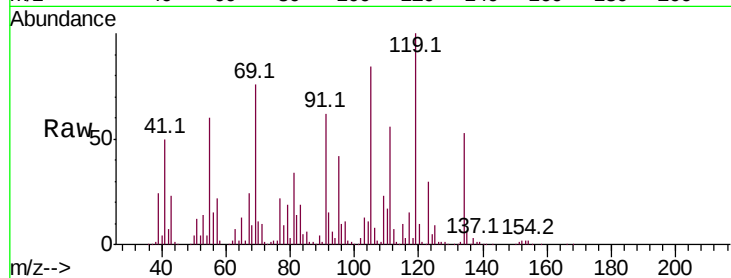




#22
Acetophenone
Concen: 32.825 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.09 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

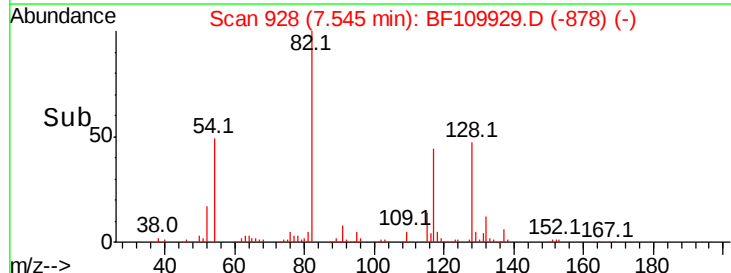
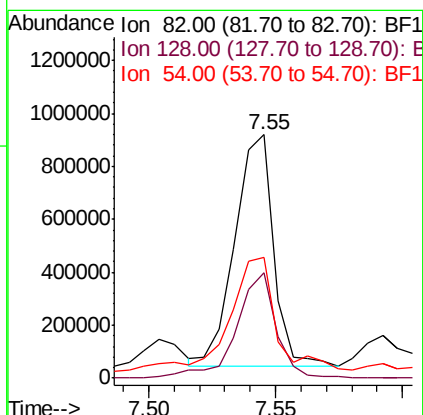
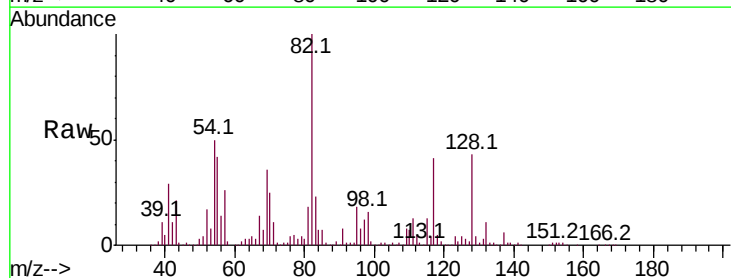
Instrument :
BNA_F
ClientSampleId :

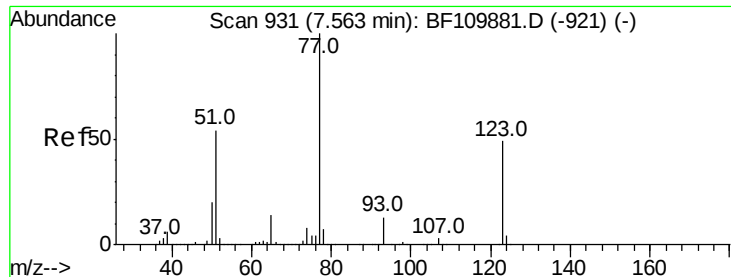
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Ion Ratio Lower Upper
105 100
71 12.1 5.2 7.8#
51 14.4 21.8 32.8#
120 11.9 17.0 25.4#



#23
Nitrobenzene-d5
Concen: 176.179 ng
RT: 7.55 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion: 82 Resp: 926114
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.2
54 49.8 38.6 58.0

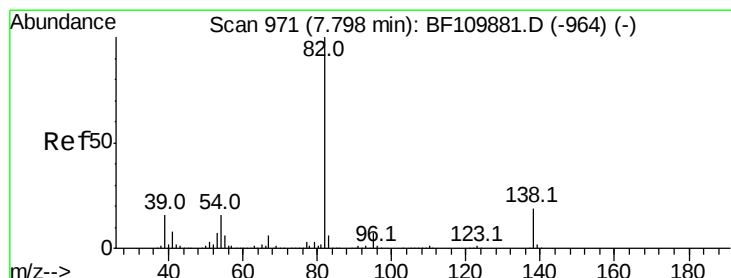
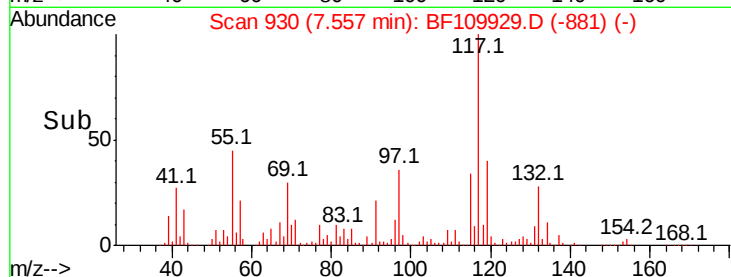
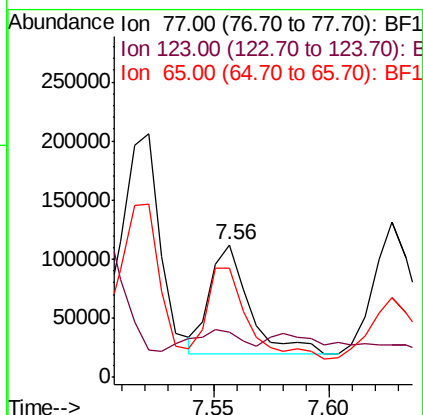
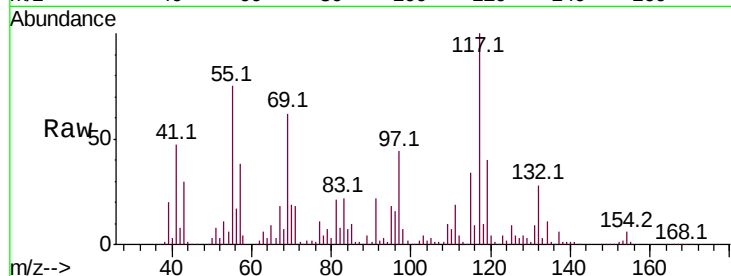




#24
Nitrobenzene
Concen: 19.028 ng
RT: 7.56 min Scan# 930
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

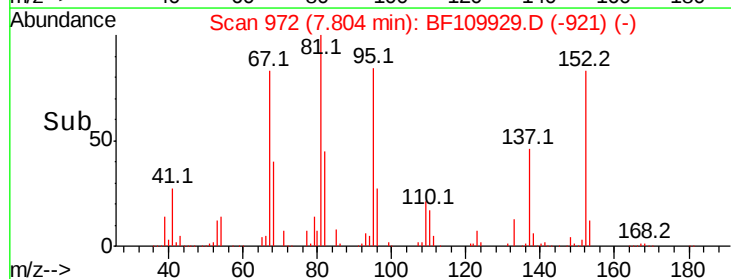
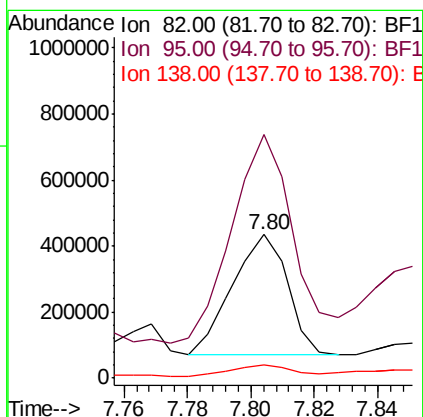
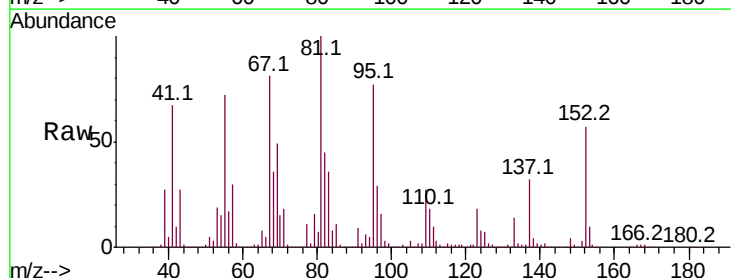
Instrument :
BNA_F
ClientSampleId :

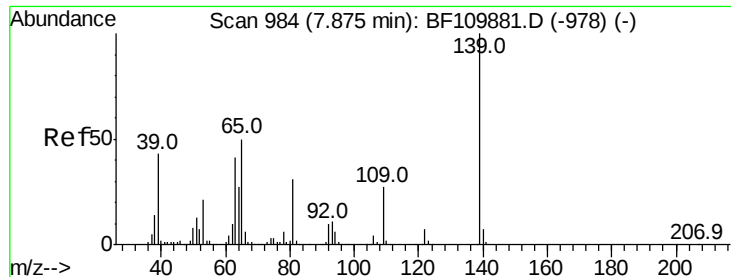
Tot Ion: 77 Resp: 108659
Ion Ratio Lower Upper
77 100
123 33.7 35.7 53.5#
65 81.9 10.7 16.1#



#25
Isophorone
Concen: 42.635 ng
RT: 7.80 min Scan# 972
Delta R.T. -0.00 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion: 82 Resp: 440371
Ion Ratio Lower Upper
82 100
95 169.8 5.7 8.5#
138 9.3 13.2 19.8#

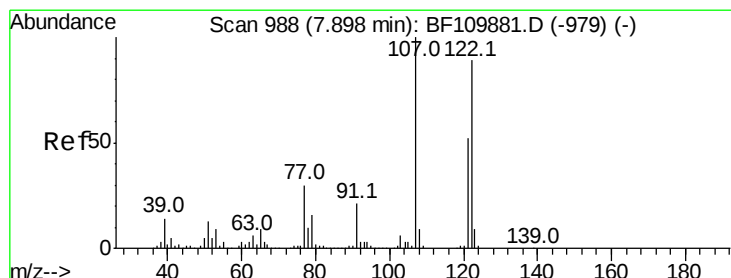
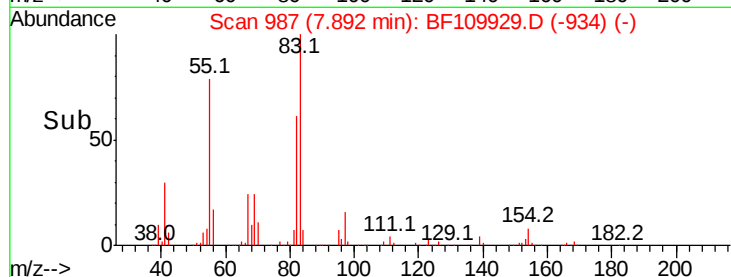
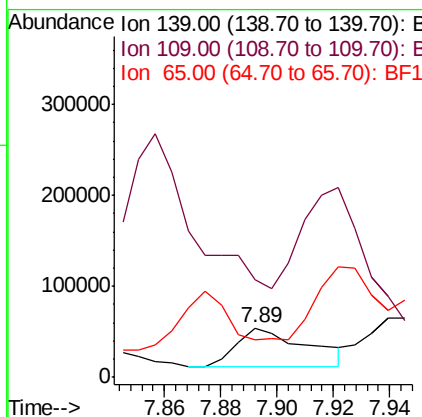
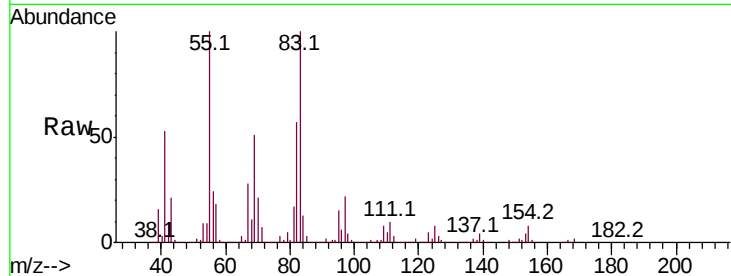




#26
2-Nitrophenol
Concen: 31.372 ng
RT: 7.89 min Scan# 987
Delta R.T. 0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

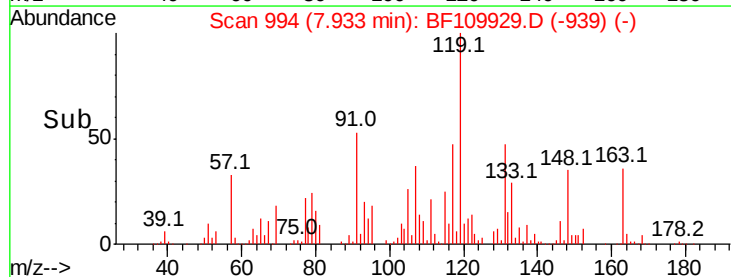
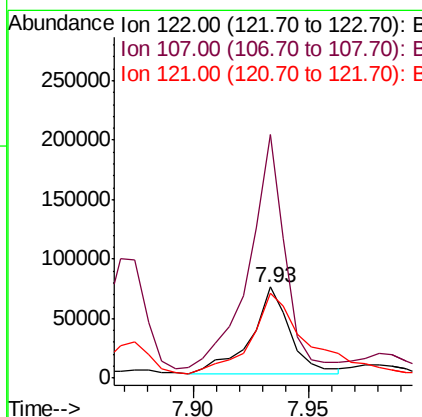
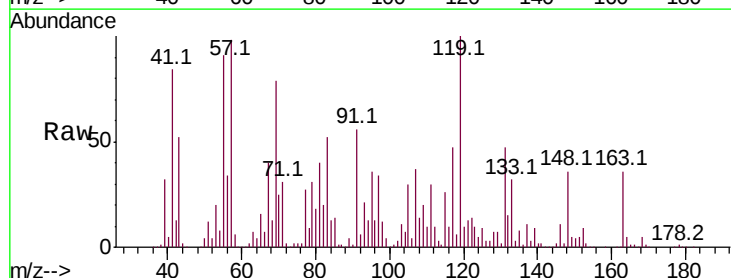
Instrument :
BNA_F
ClientSampleId :

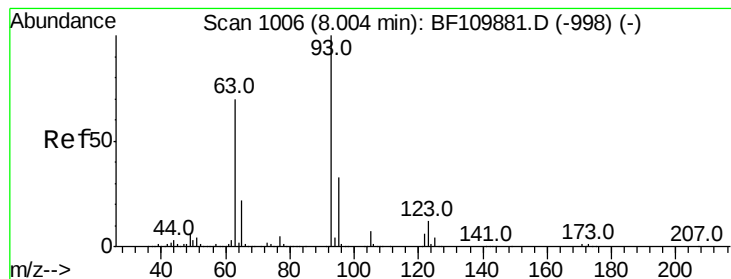
Tot Ion:139 Resp: 74280
Ion Ratio Lower Upper
139 100
109 197.3 25.0 37.6#
65 75.4 44.0 66.0#



#27
2,4-Dimethylphenol
Concen: 17.481 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.02 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion:122 Resp: 86967
Ion Ratio Lower Upper
122 100
107 267.6 92.5 138.7#
121 92.9 45.8 68.8#





#28

bis(2-Chloroethoxy)methane

Concen: 7.640 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.04 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampled :

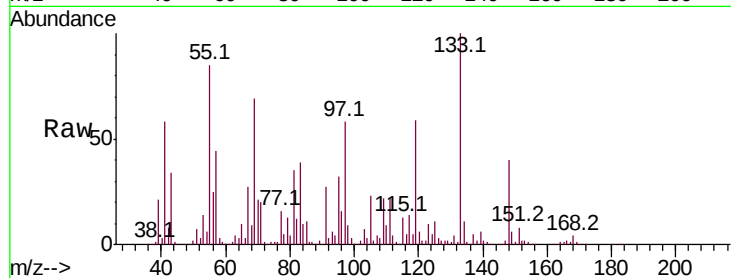
Tot Ion: 93 Resp: 54157

Ion Ratio Lower Upper

93 100

95 510.9 26.4 39.6#

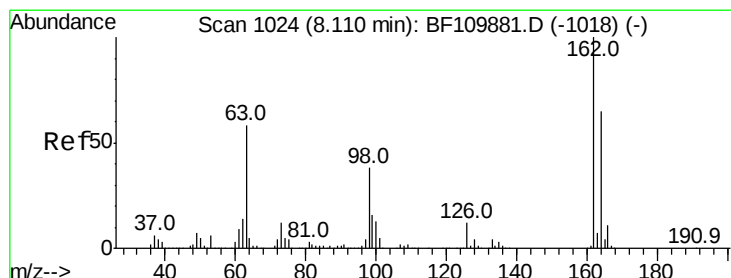
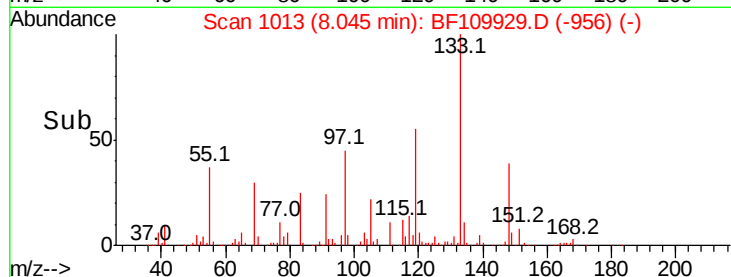
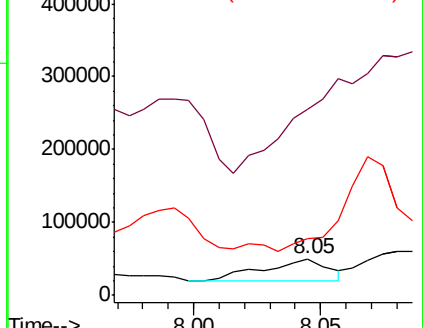
123 157.2 9.0 13.6#



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): BF1



#29

2,4-Dichlorophenol

Concen: 17.213 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

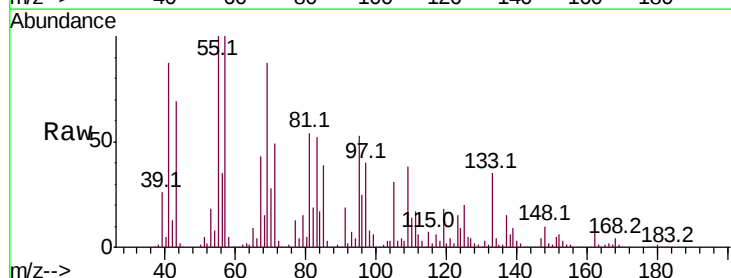
Tgt Ion:162 Resp: 83076

Ion Ratio Lower Upper

162 100

164 5.7 44.6 84.6#

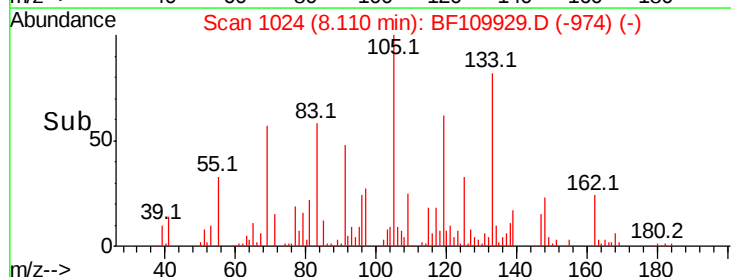
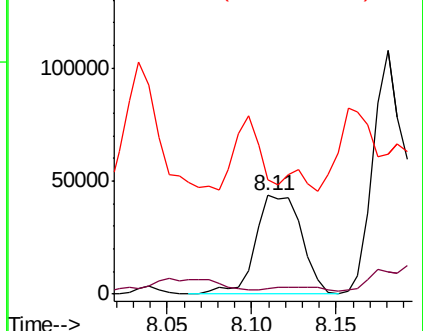
98 116.3 17.4 57.4#

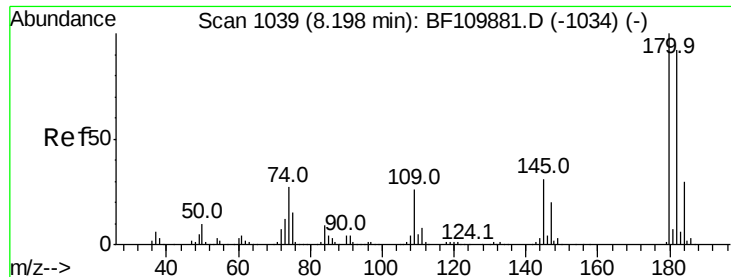


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1

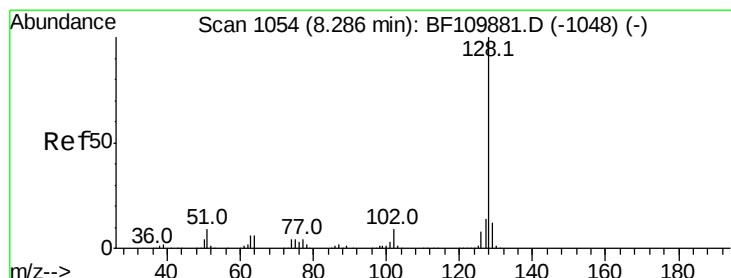
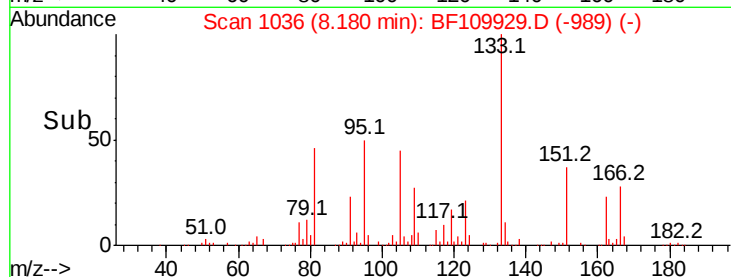
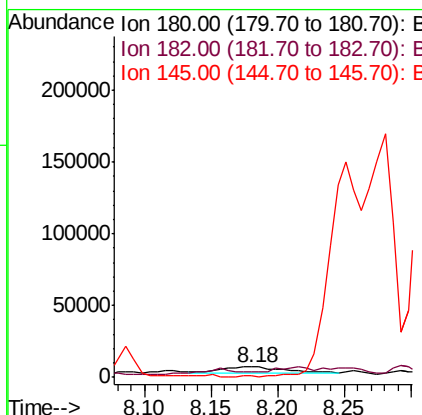
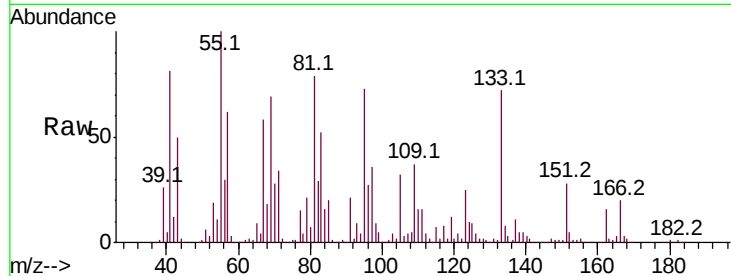




#30
 1,2,4-Trichlorobenzene
 Concen: 2.672 ng
 RT: 8.18 min Scan# 1036
 Delta R.T. -0.02 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

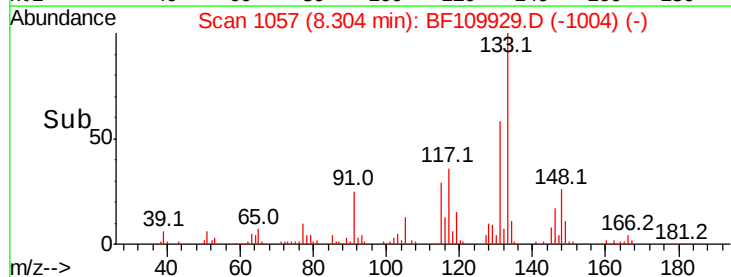
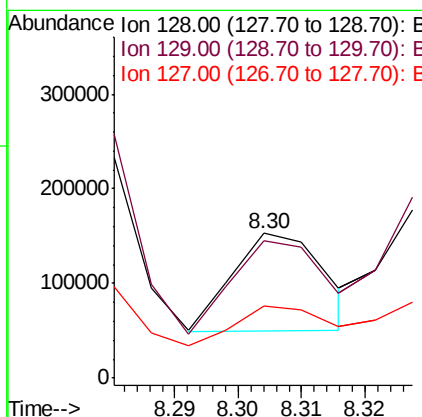
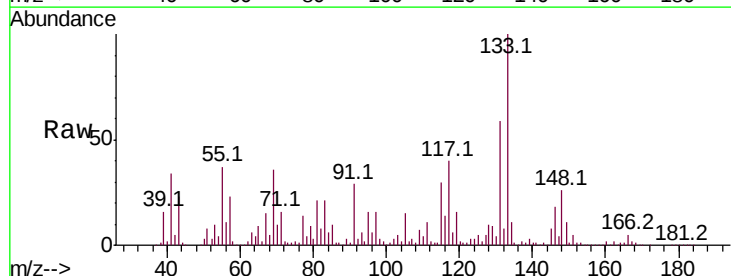
Instrument :
 BNA_F
 ClientSampled :

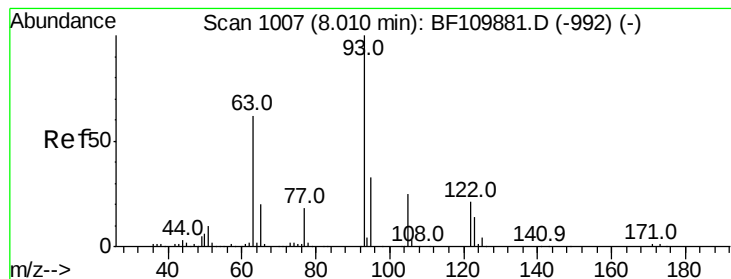
Tot Ion:180 Resp: 14440
 Ion Ratio Lower Upper
 180 100
 182 48.2 80.3 120.5#
 145 11.7 25.4 38.0#



#31
 Naphthalene
 Concen: 6.399 ng
 RT: 8.30 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion:128 Resp: 103905
 Ion Ratio Lower Upper
 128 100
 129 95.3 8.8 13.2#
 127 49.8 10.8 16.2#





#32

Benzoic acid

Concen: 3.377 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.03 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampled :

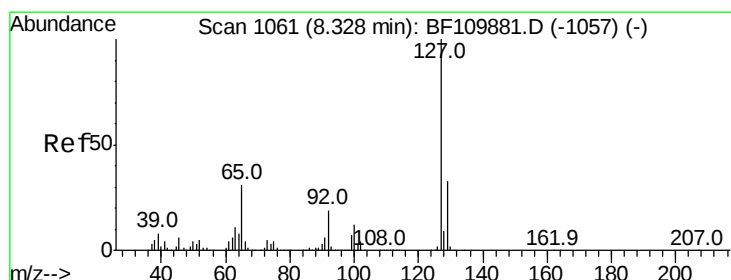
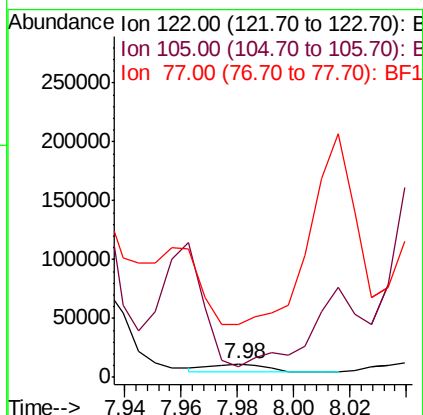
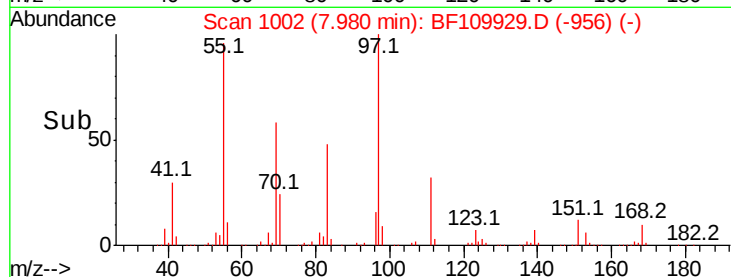
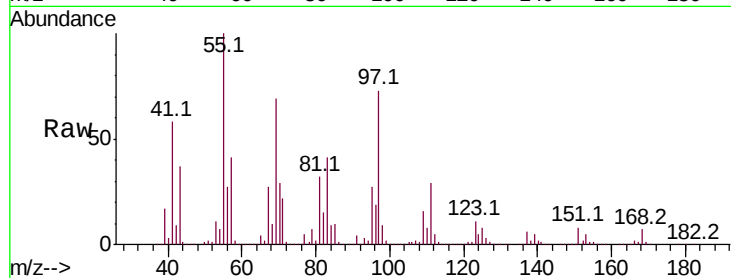
Tot Ion:122 Resp: 10468

Ion Ratio Lower Upper

122 100

105 82.3 109.0 149.0#

77 390.7 79.0 119.0#



#33

4-Chloroaniline

Concen: 9.832 ng

RT: 8.33 min Scan# 1062

Delta R.T. -0.00 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Tgt Ion:127 Resp: 71766

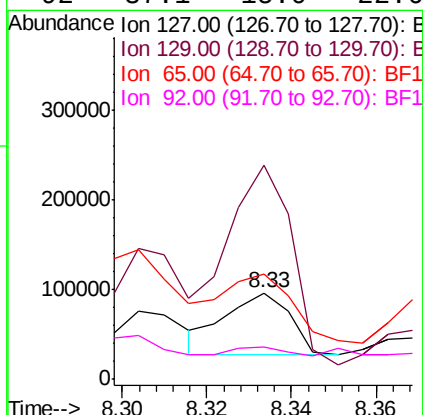
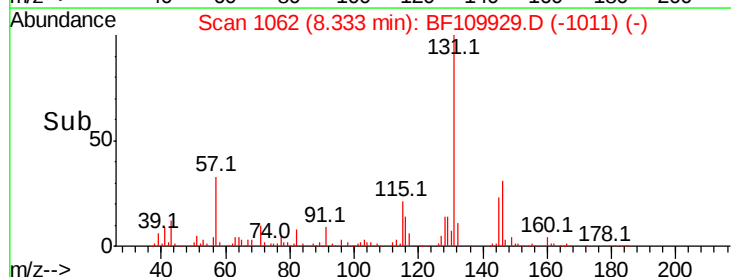
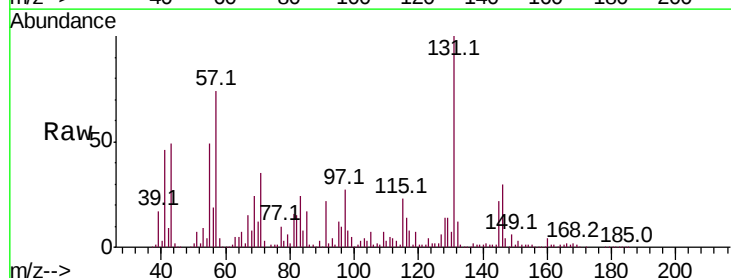
Ion Ratio Lower Upper

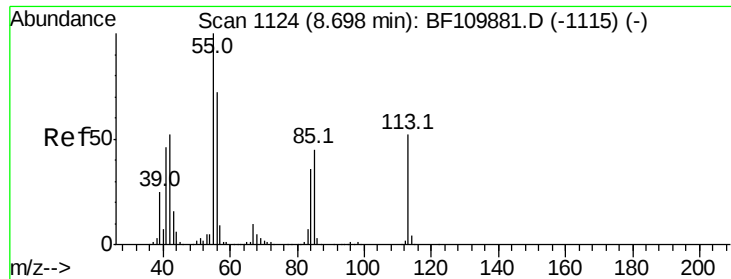
127 100

129 248.2 26.0 39.0#

65 122.5 25.1 37.7#

92 37.1 15.0 22.6#

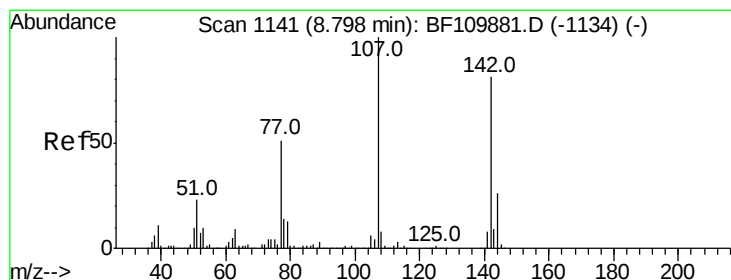
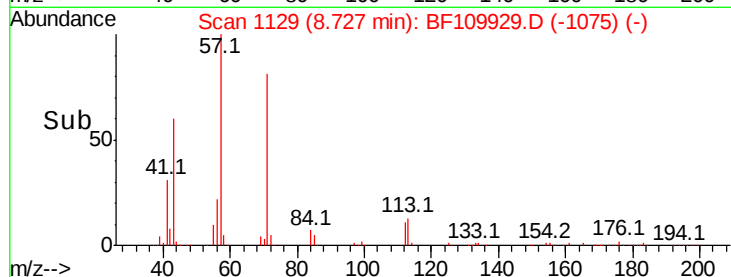
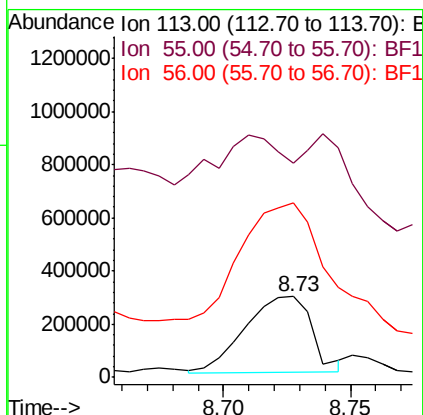
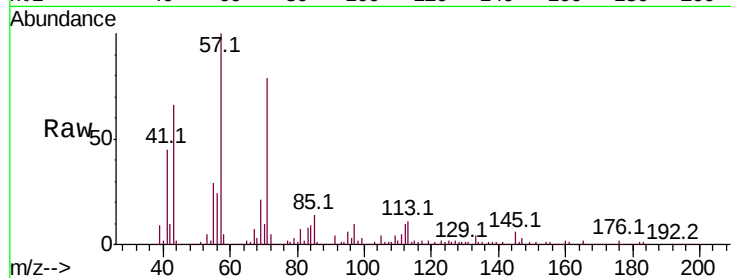




#35
 Caprolactam
 Concen: 306.227 ng
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.02 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

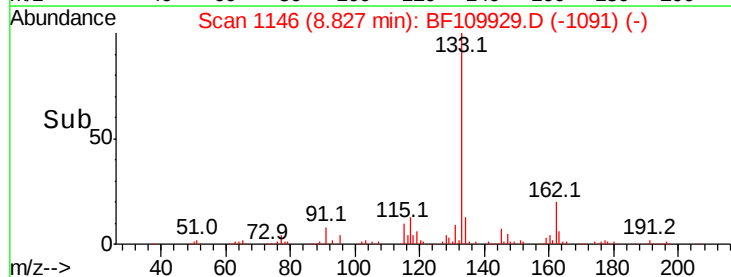
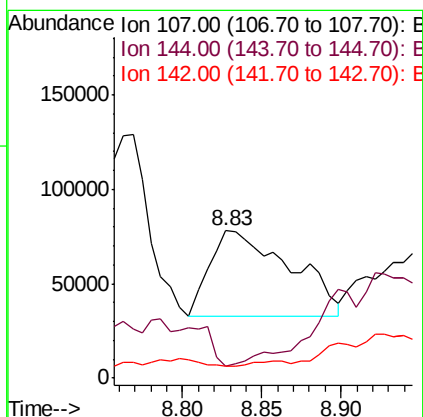
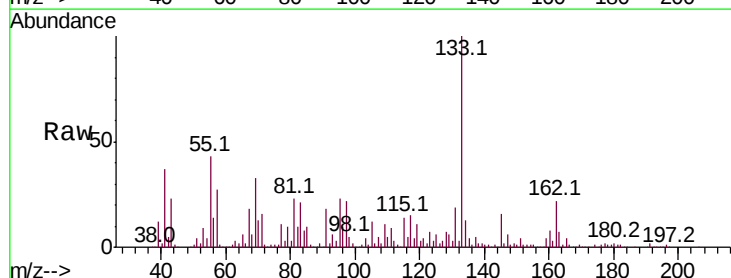
Instrument :
 BNA_F
 ClientSampleId :

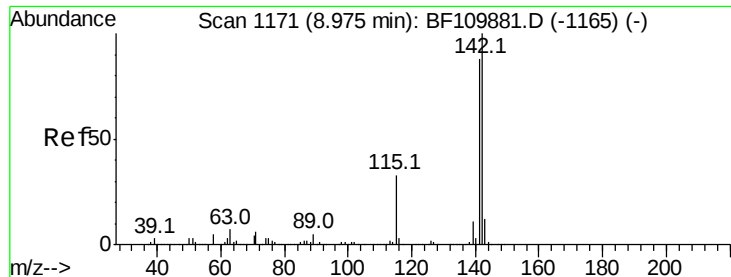
Tot Ion:113 Resp: 524881
 Ion Ratio Lower Upper
 113 100
 55 265.4 142.8 182.8#
 56 216.7 105.0 145.0#



#36
 4-Chloro-3-methylphenol
 Concen: 31.506 ng
 RT: 8.83 min Scan# 1146
 Delta R.T. 0.02 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion:107 Resp: 160409
 Ion Ratio Lower Upper
 107 100
 144 8.5 20.0 30.0#
 142 8.2 59.7 89.5#

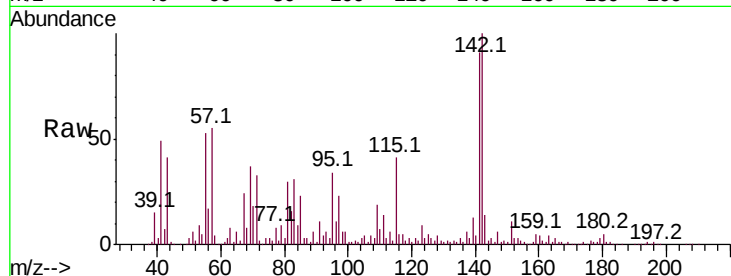




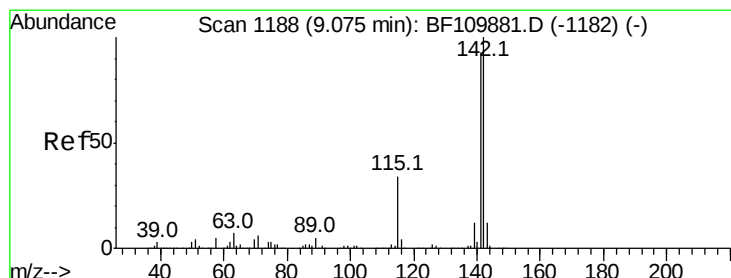
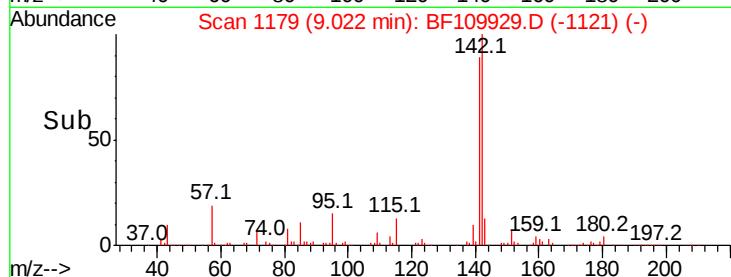
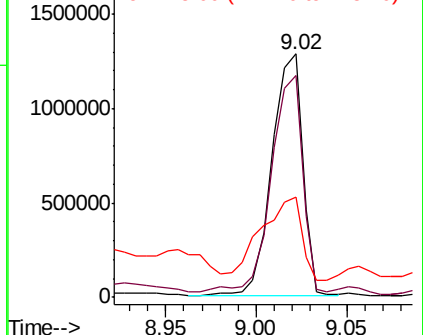
#37
2-Methylnaphthalene
Concen: 144.540 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.04 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:142 Resp: 1519794
Ion Ratio Lower Upper
142 100
141 91.2 71.4 107.2
115 41.0 28.7 43.1

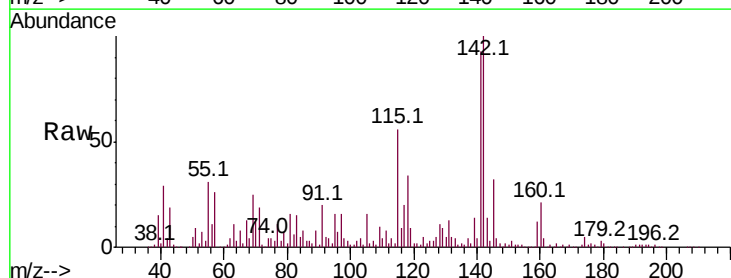


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

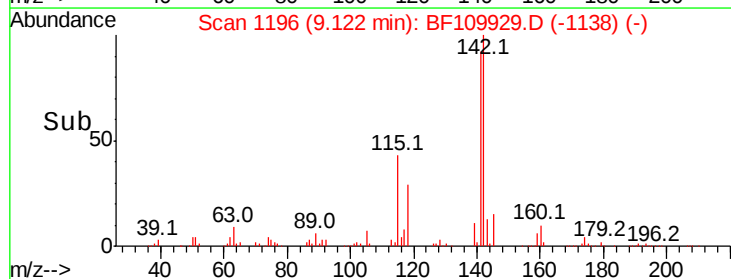
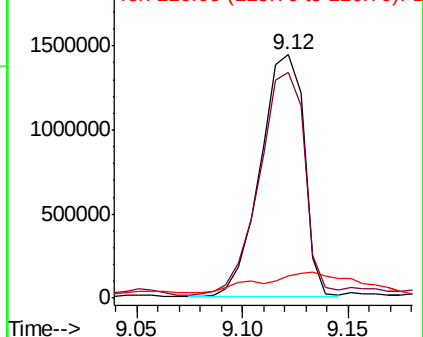


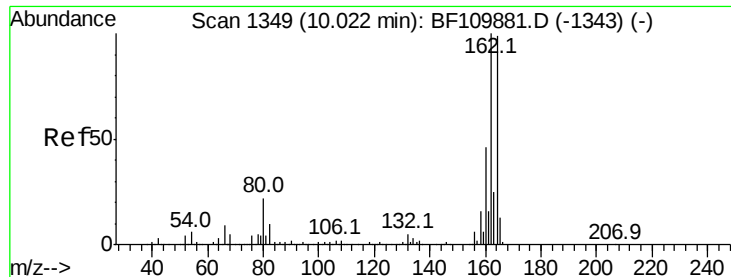
#38
1-Methylnaphthalene
Concen: 204.742 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.04 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion:142 Resp: 2086059
Ion Ratio Lower Upper
142 100
141 92.9 74.2 111.4
116 9.1 2.6 4.0#



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: 10.07 min Scan# 1358

Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampleId :

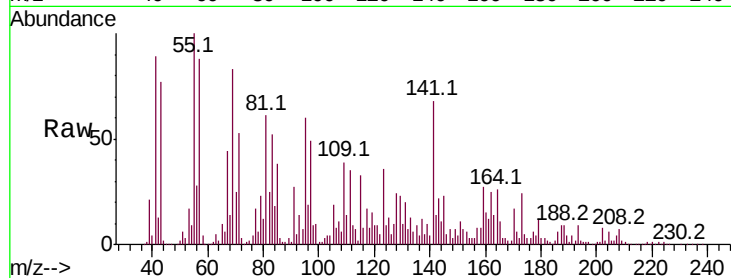
Tot Ion:164 Resp: 165112

Ion Ratio Lower Upper

164 100

162 97.1 83.0 124.6

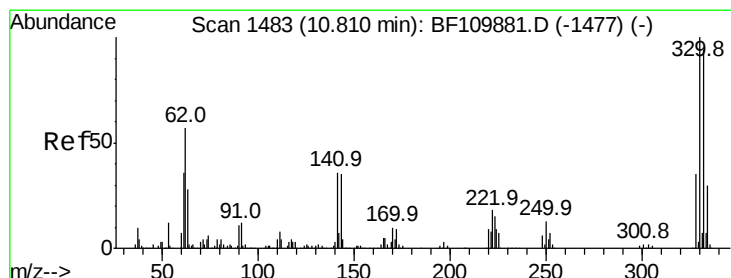
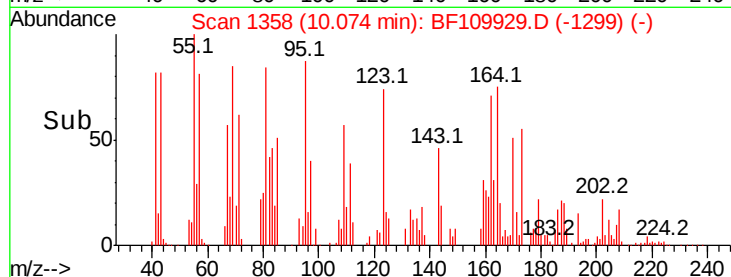
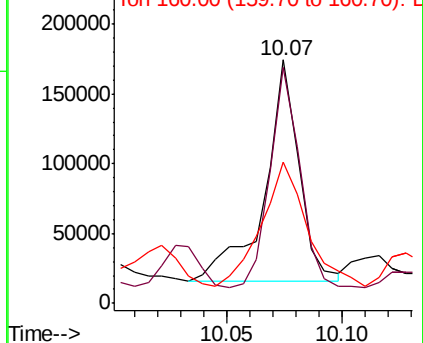
160 57.8 37.0 55.6#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 120.635 ng

RT: 10.87 min Scan# 1494

Delta R.T. 0.06 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

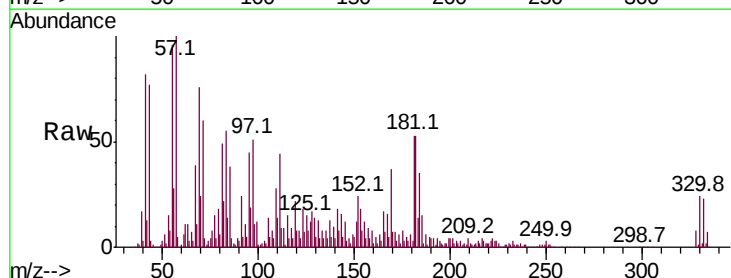
Tgt Ion:330 Resp: 172447

Ion Ratio Lower Upper

330 100

332 95.9 77.1 115.7

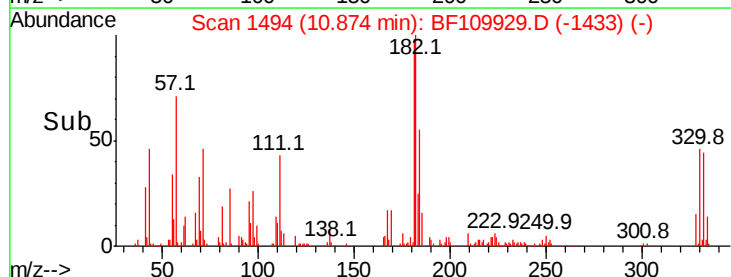
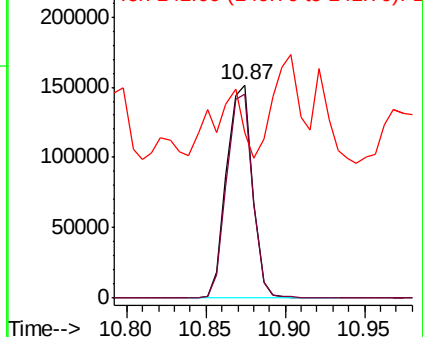
141 35.5 27.0 40.4

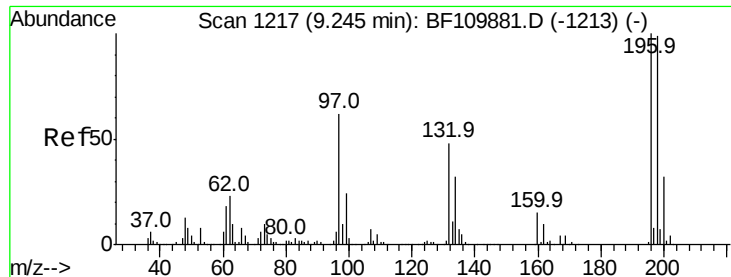


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

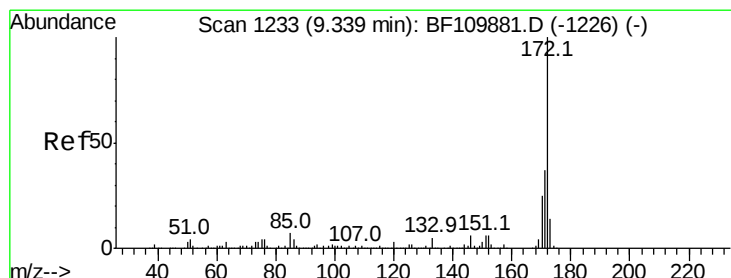
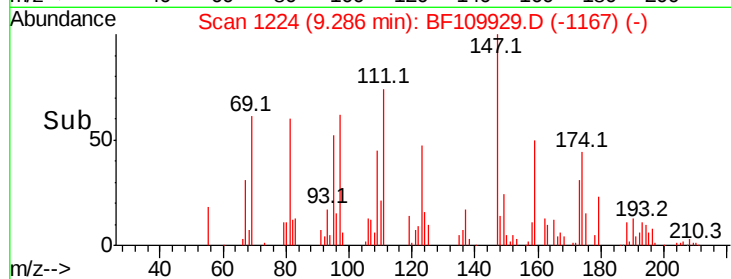
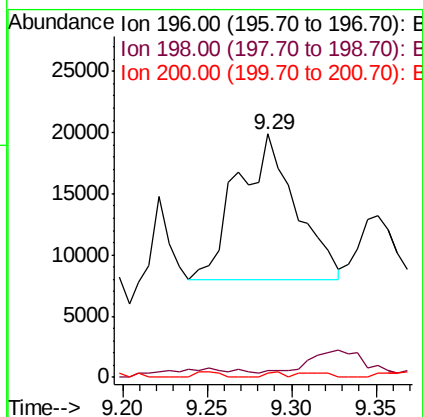
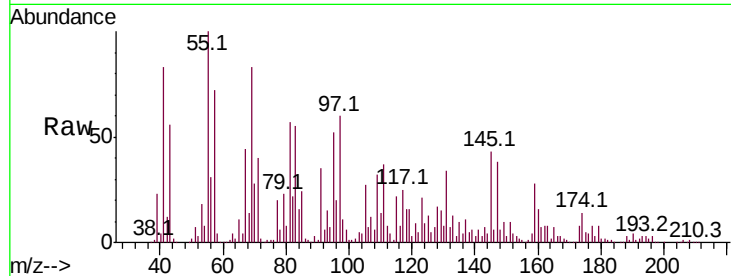




#43
 2,4,6-Trichlorophenol
 Concen: 9.130 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. 0.04 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

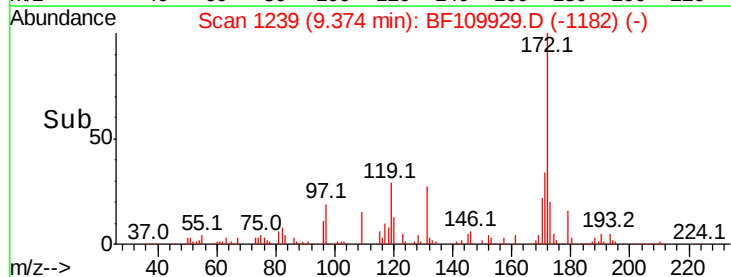
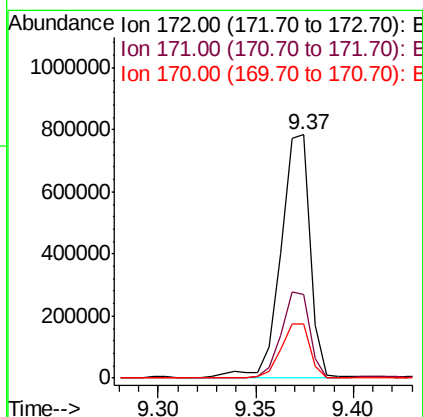
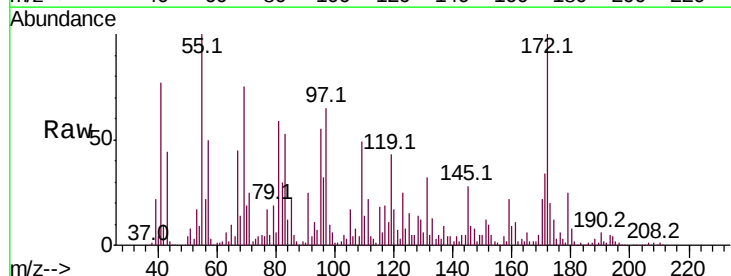
Instrument :
 BNA_F
 ClientSampleId :

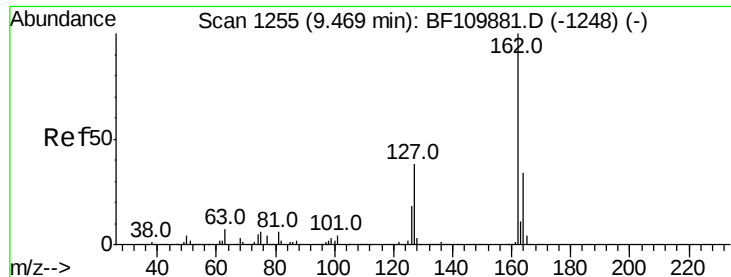
Tot Ion:196 Resp: 29032
 Ion Ratio Lower Upper
 196 100
 198 2.7 76.2 114.4#
 200 1.9 24.4 36.6#



#45
 2-Fluorobiphenyl
 Concen: 78.721 ng
 RT: 9.37 min Scan# 1239
 Delta R.T. 0.04 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion:172 Resp: 814569
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 43.0
 170 22.5 19.7 29.5





#47

2-Chloronaphthalene

Concen: 10.418 ng

RT: 9.55 min Scan# 1269

Delta R.T. 0.08 min

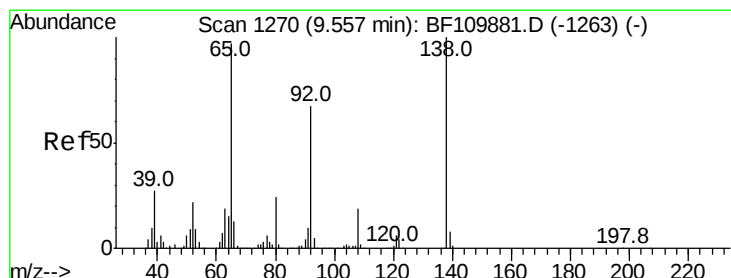
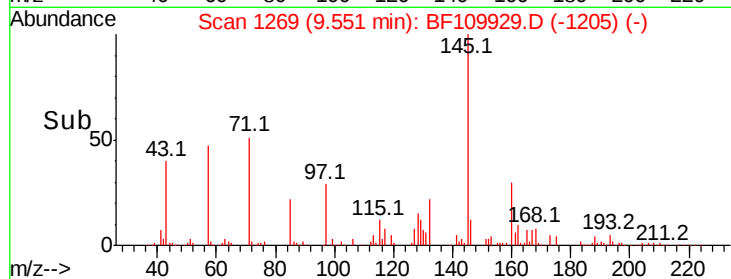
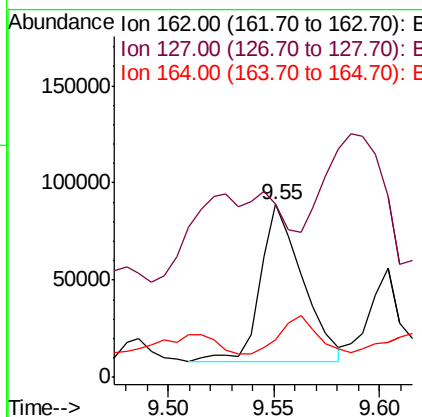
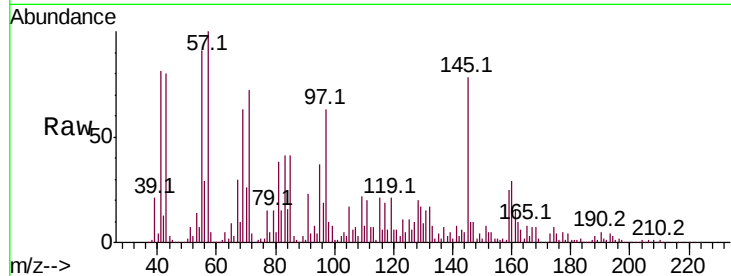
Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:162 Resp: 112890

Ion	Ratio	Lower	Upper
162	100		
127	100.4	32.6	48.8#
164	22.1	25.9	38.9#



#48

2-Nitroaniline

Concen: 11.727 ng

RT: 9.61 min Scan# 1279

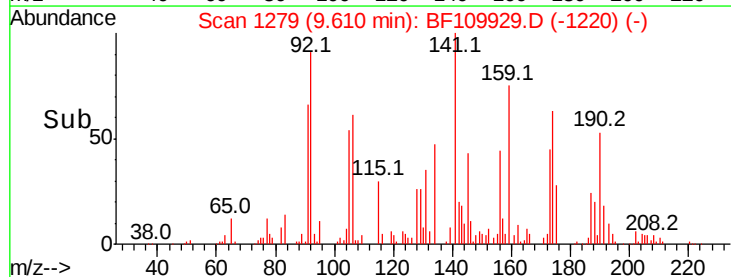
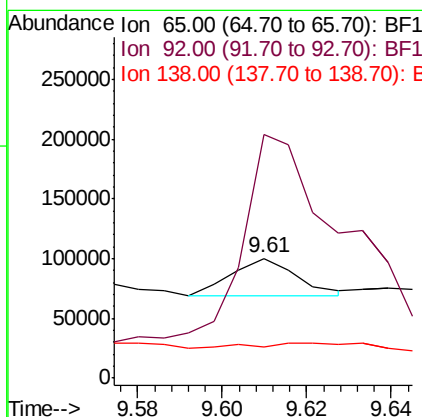
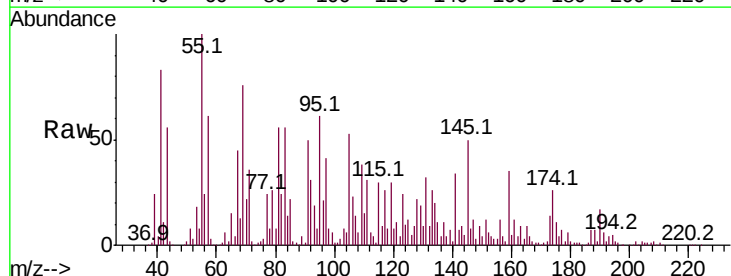
Delta R.T. 0.05 min

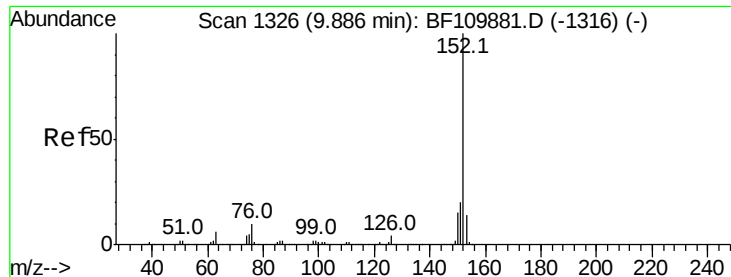
Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Tgt Ion: 65 Resp: 32610

Ion	Ratio	Lower	Upper
65	100		
92	203.8	54.6	81.8#
138	26.5	80.3	120.5#





#49

Acenaphthylene

Concen: 12.977 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampleId :

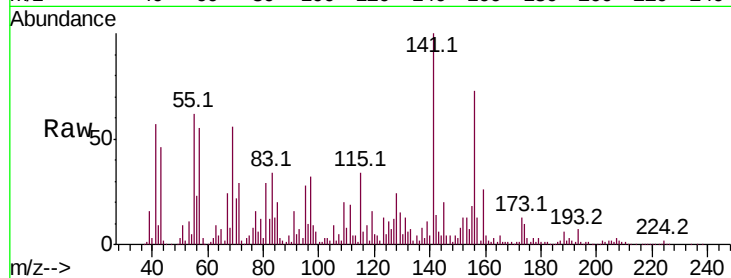
Tot Ion:152 Resp: 204281

Ion Ratio Lower Upper

152 100

151 59.5 15.8 23.8#

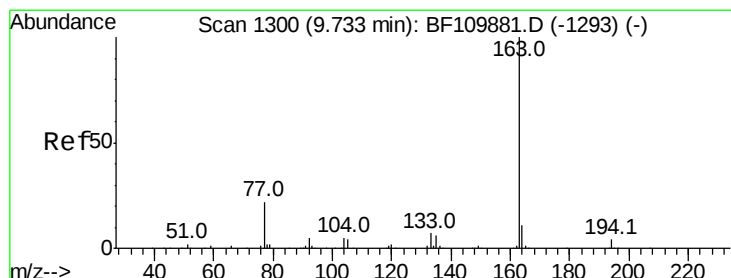
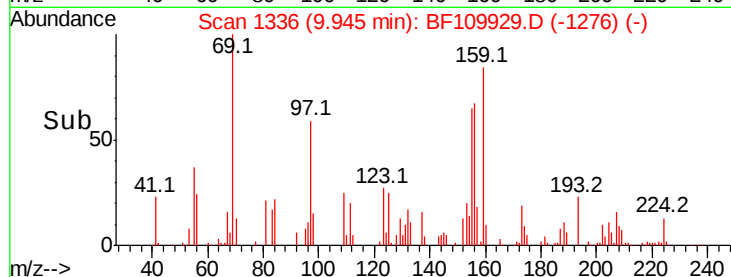
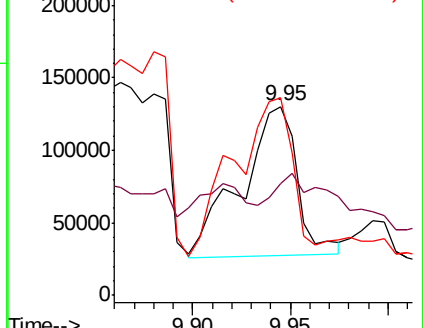
153 104.8 10.4 15.6#



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: 5.678 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.04 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

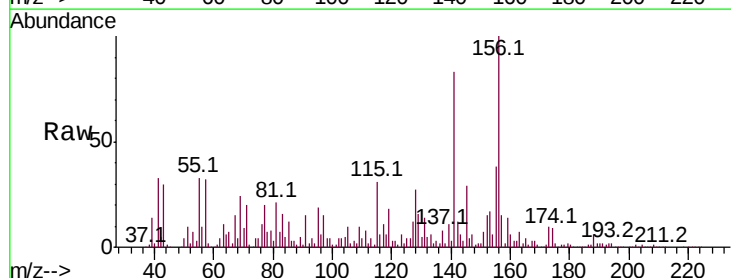
Tgt Ion:163 Resp: 66382

Ion Ratio Lower Upper

163 100

194 28.4 3.2 4.8#

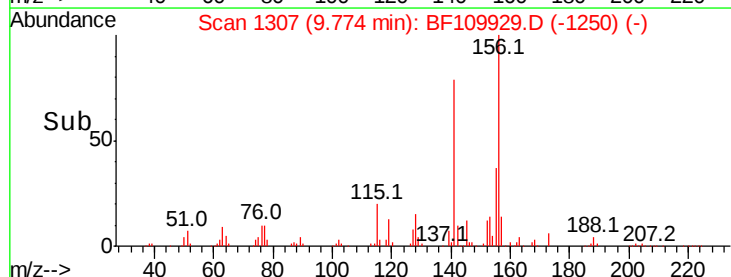
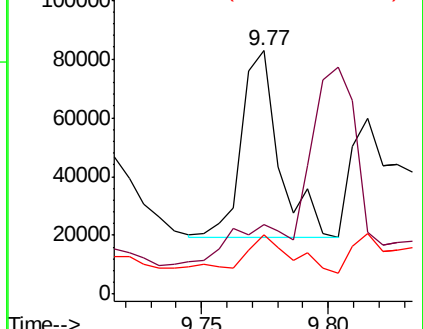
164 24.3 8.1 12.1#

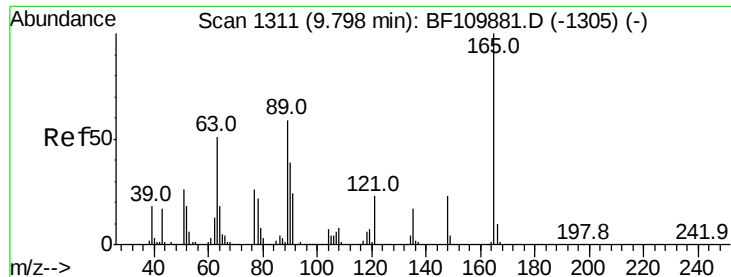


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

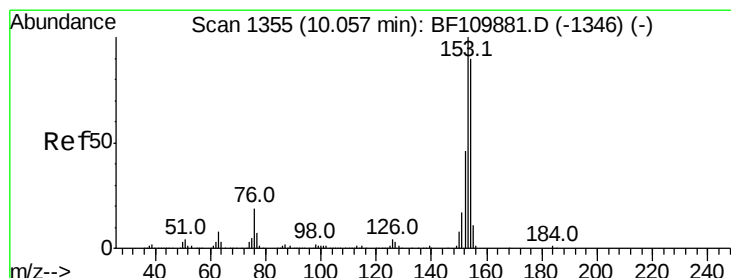
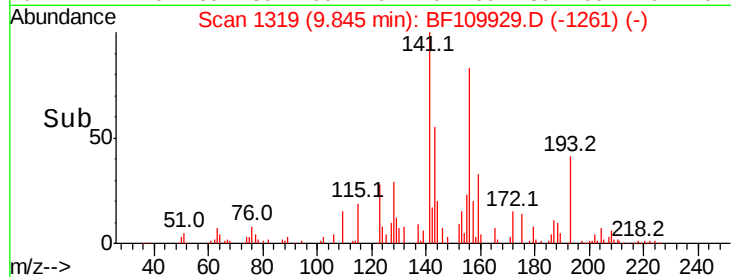
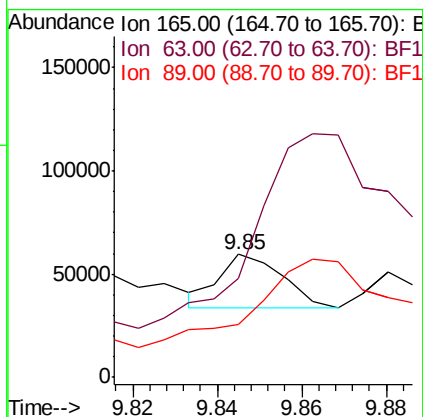
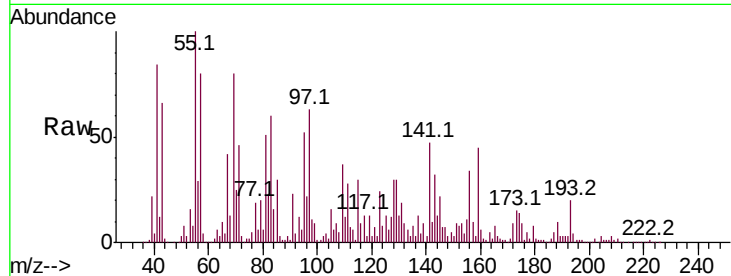




#51
 2,6-Dinitrotoluene
 Concen: 11.889 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.04 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

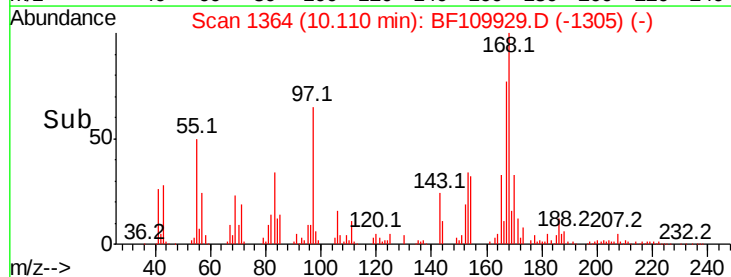
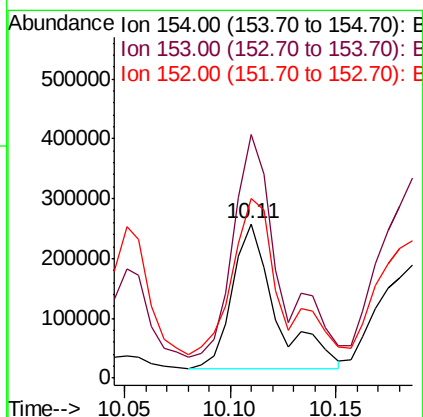
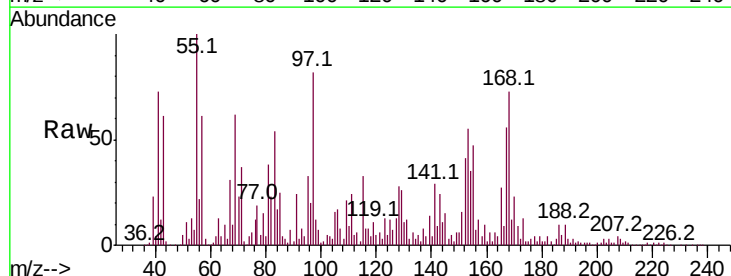
Instrument :
 BNA_F
 ClientSampled :

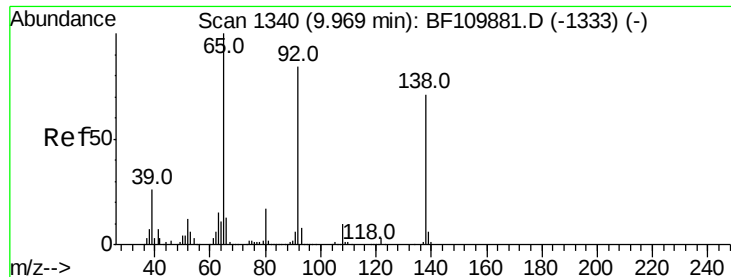
Tot Ion:165 Resp: 26400
 Ion Ratio Lower Upper
 165 100
 63 80.6 48.9 73.3#
 89 43.4 46.6 69.8#



#52
 Acenaphthene
 Concen: 34.147 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.05 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion:154 Resp: 342216
 Ion Ratio Lower Upper
 154 100
 153 157.8 90.1 135.1#
 152 116.4 43.4 65.2#





#53

3-Nitroaniline

Concen: 12.424 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampleId :

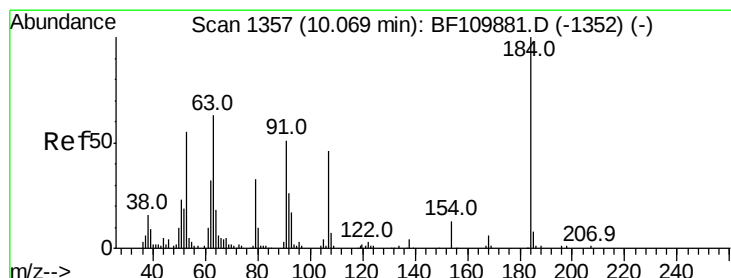
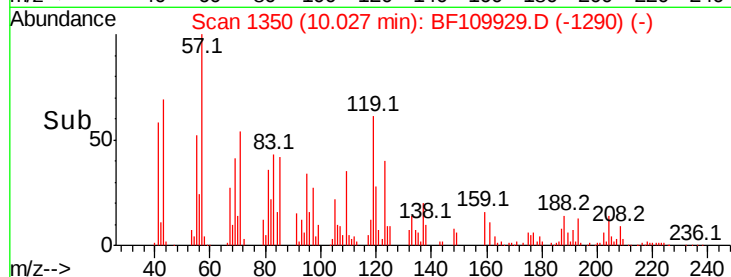
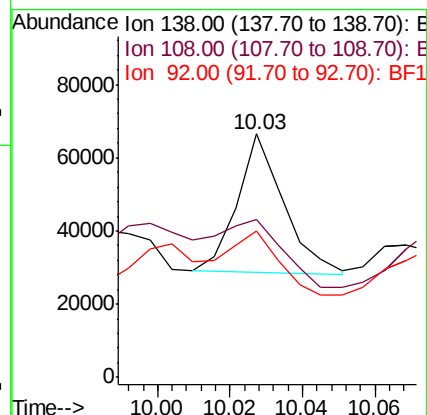
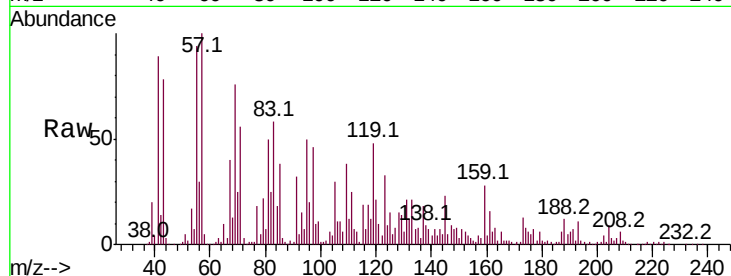
Tot Ion:138 Resp: 33560

Ion Ratio Lower Upper

138 100

108 64.9 8.7 13.1#

92 60.1 97.0 145.4#



#54

2,4-Dinitrophenol

Concen: 18.895 ng

RT: 10.26 min Scan# 1390

Delta R.T. 0.18 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

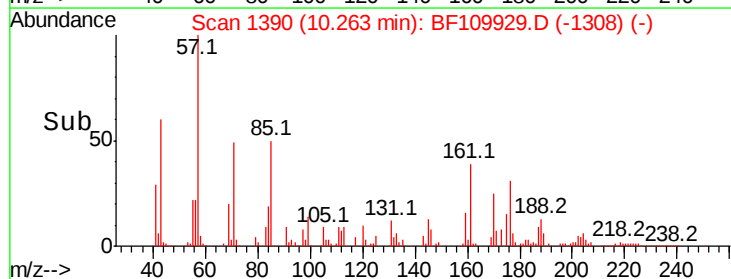
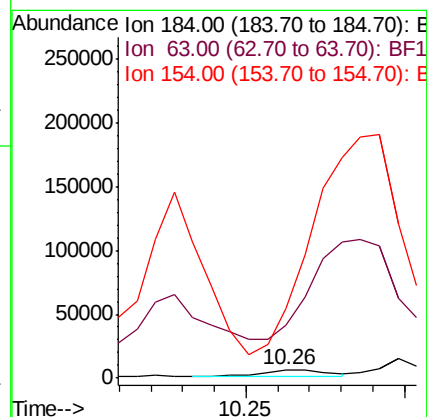
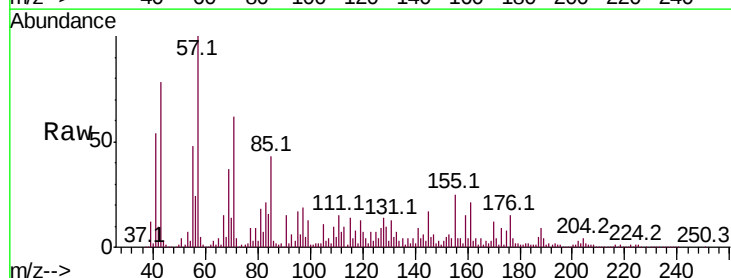
Tgt Ion:184 Resp: 7949

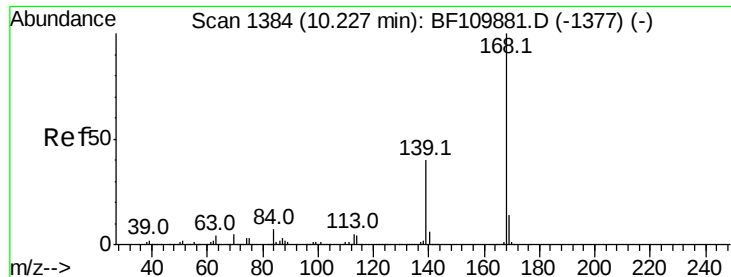
Ion Ratio Lower Upper

184 100

63 603.8 55.8 83.6#

154 798.5 63.2 94.8#

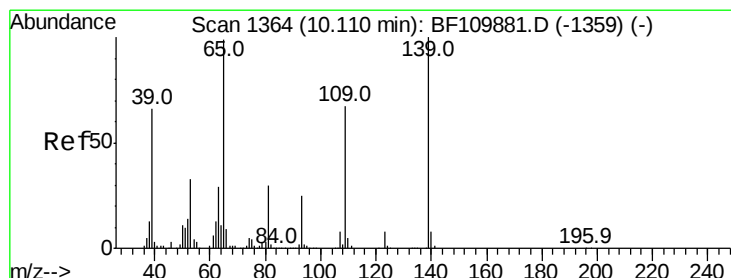
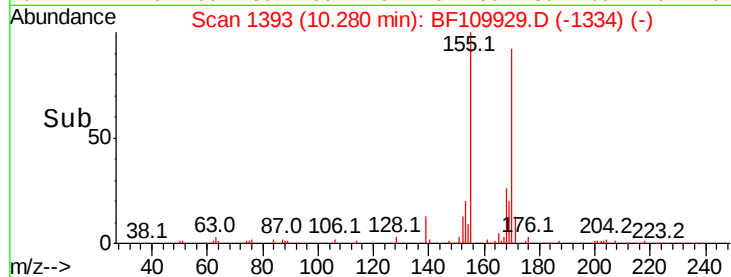
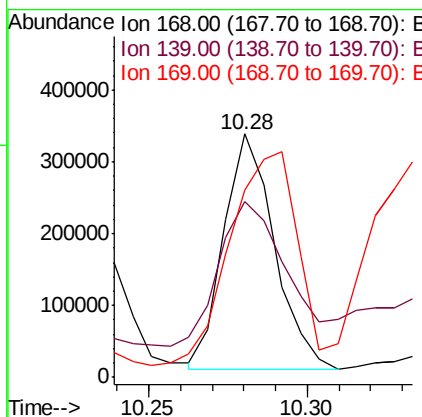
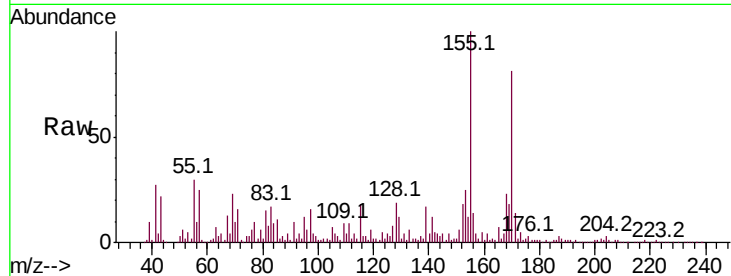




#55
Dibenzofuran
Concen: 25.326 ng
RT: 10.28 min Scan# 1393
Delta R.T. 0.05 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

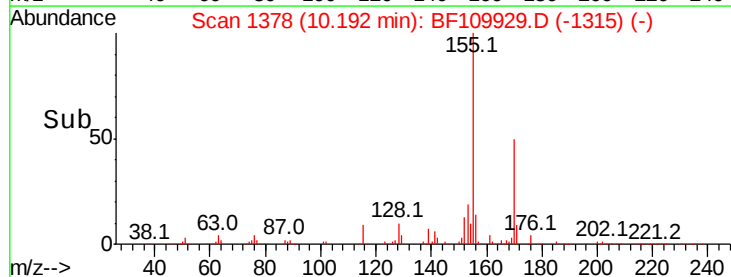
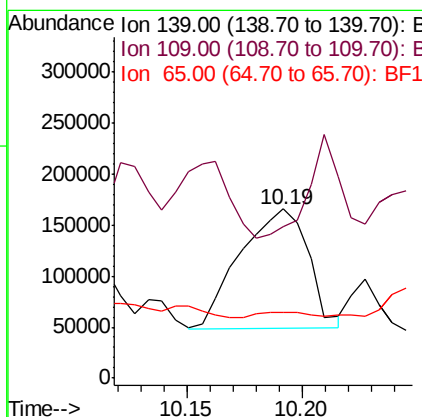
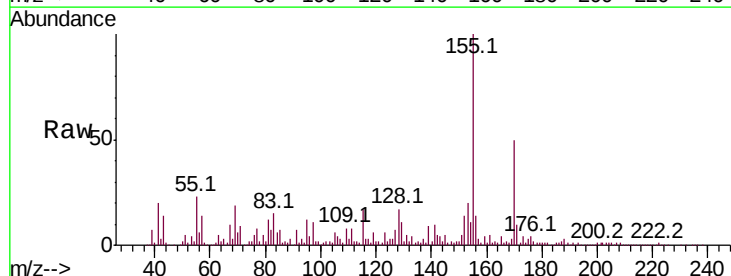
Instrument :
BNA_F
ClientSampleId :

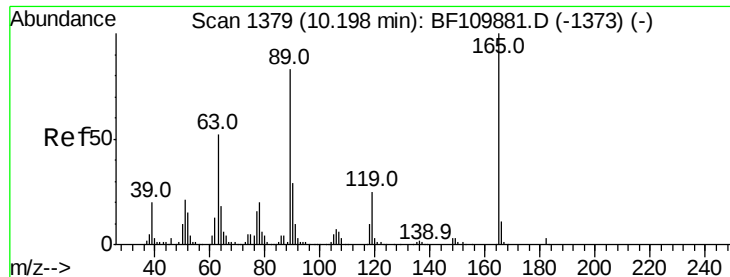
Tot Ion:168 Resp: 361973
Ion Ratio Lower Upper
168 100
139 72.3 33.0 49.6#
169 77.0 11.3 16.9#



#56
4-Nitrophenol
Concen: 116.821 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.07 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion:139 Resp: 240781
Ion Ratio Lower Upper
139 100
109 90.0 55.8 95.8
65 38.6 77.9 117.9#

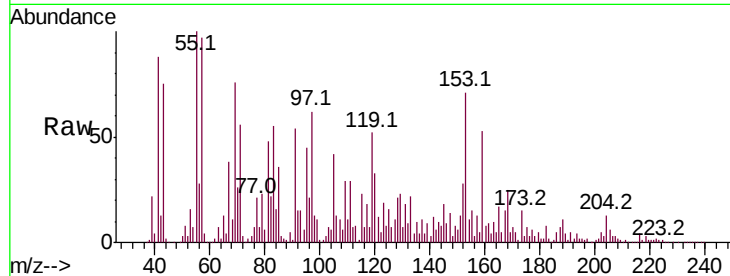




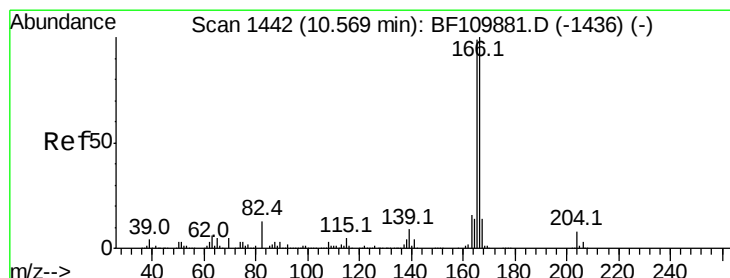
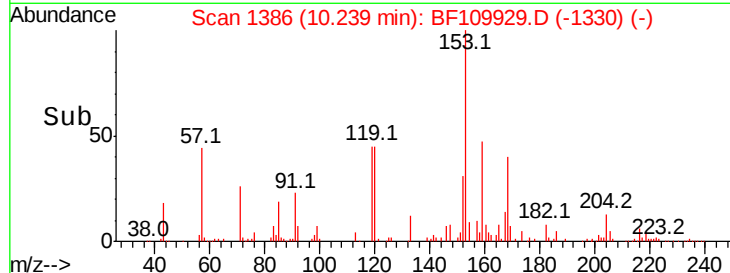
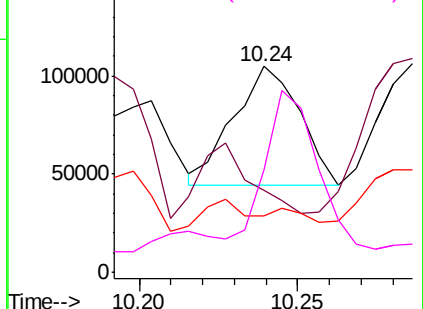
#57
 2,4-Dinitrotoluene
 Concen: 32.746 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. 0.03 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 87338
 Ion Ratio Lower Upper
 165 100
 63 39.6 44.8 67.2#
 89 27.6 62.2 93.4#
 182 49.9 2.1 3.1#

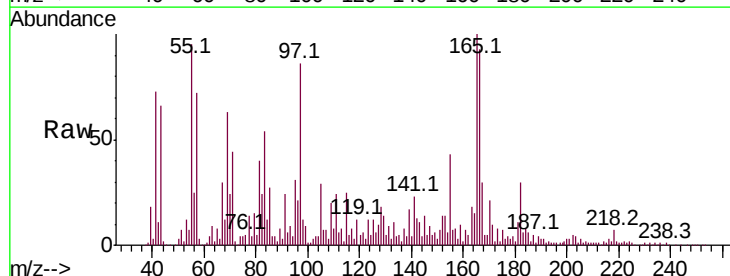


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

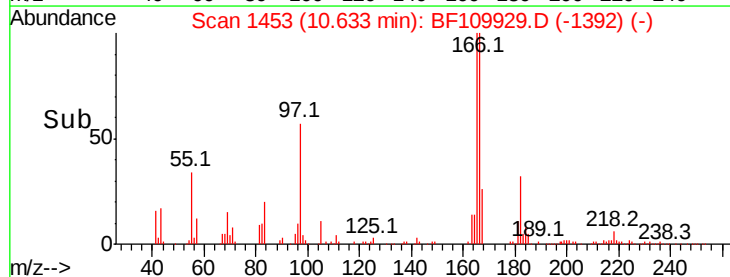
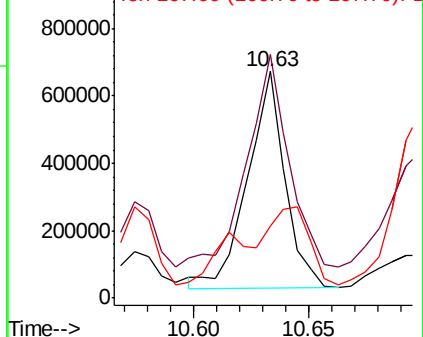


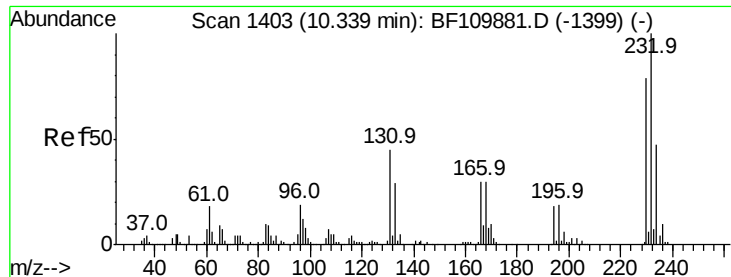
#58
 Fluorene
 Concen: 69.733 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.06 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion:166 Resp: 725531
 Ion Ratio Lower Upper
 166 100
 165 107.5 78.6 117.8
 167 32.0 10.8 16.2#



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

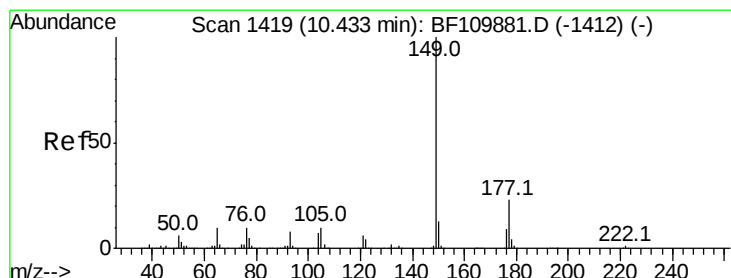
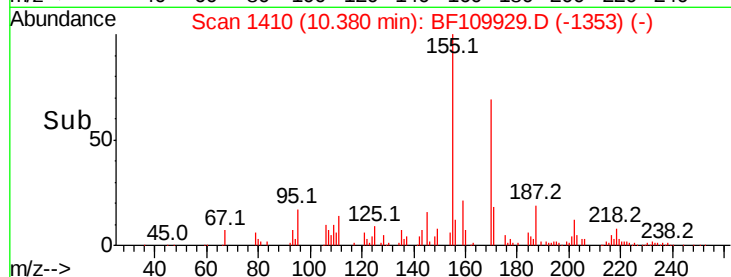
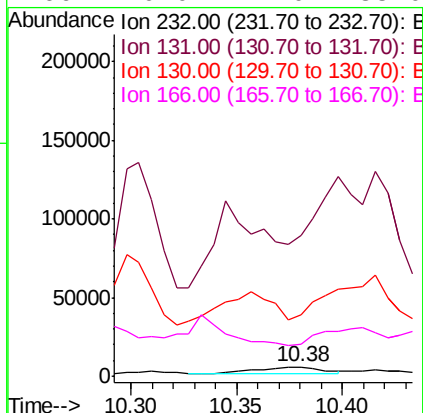
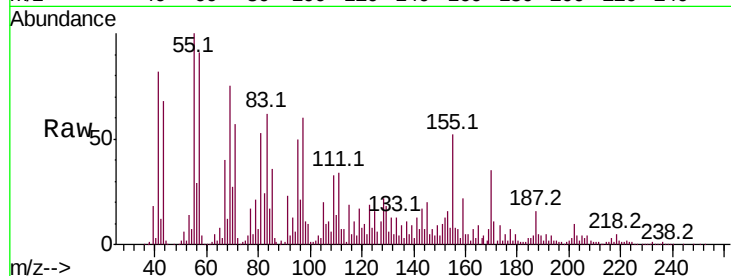




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 3.849 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. 0.04 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

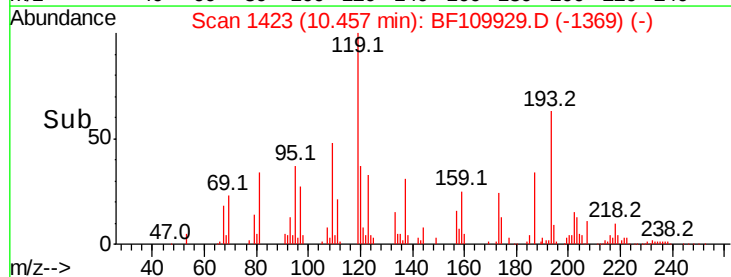
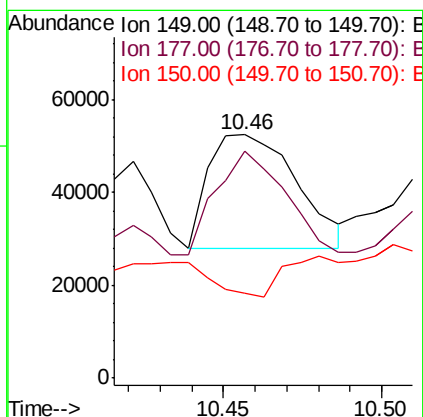
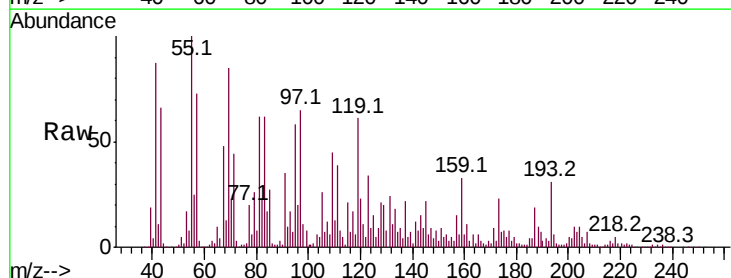
Instrument :
 BNA_F
 ClientSampleId :

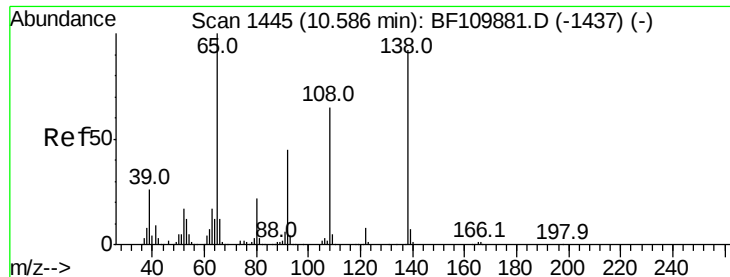
Tot Ion:232 Resp: 10068
 Ion Ratio Lower Upper
 232 100
 131 0.0 37.0 55.4#
 130 0.0 1.8 2.6#
 166 0.0 22.0 33.0#



#60
 Diethylphthalate
 Concen: 4.095 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. 0.02 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion:149 Resp: 47282
 Ion Ratio Lower Upper
 149 100
 177 93.1 17.4 26.2#
 150 35.1 9.8 14.8#

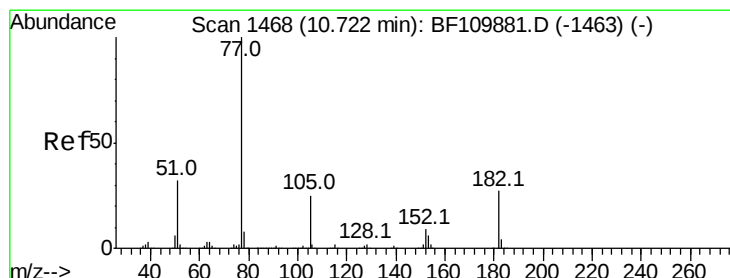
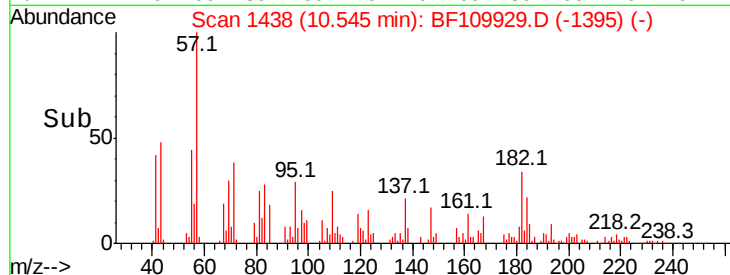
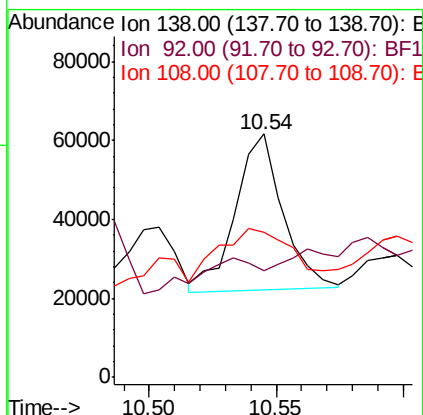
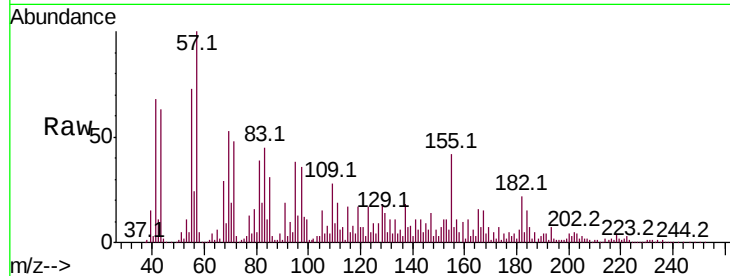




#62
4-Nitroaniline
Concen: 20.415 ng
RT: 10.54 min Scan# 1438
Delta R.T. -0.05 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

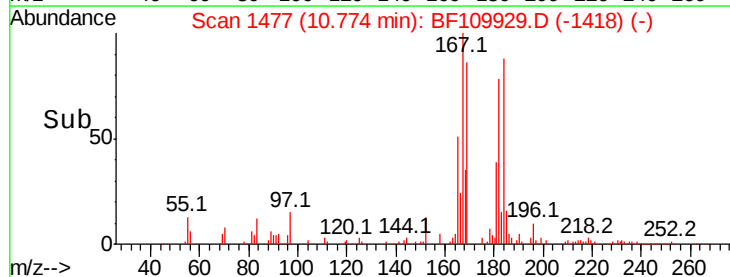
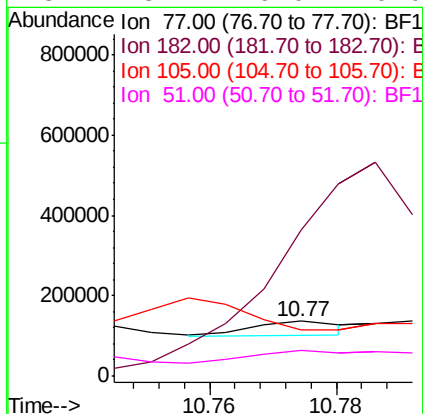
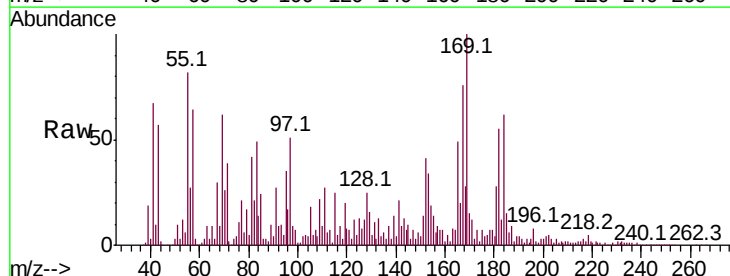
Instrument :
BNA_F
ClientSampleId :

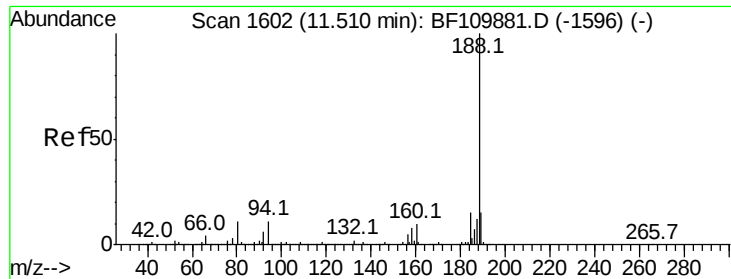
Tot Ion:138 Resp: 52201
Ion Ratio Lower Upper
138 100
92 43.8 31.7 71.7
108 59.7 59.3 99.3



#63
Azobenzene
Concen: 2.864 ng
RT: 10.77 min Scan# 1477
Delta R.T. 0.05 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion: 77 Resp: 34548
Ion Ratio Lower Upper
77 100
182 266.7 4.3 44.3#
105 85.1 1.3 41.3#
51 45.7 9.0 49.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampleId :

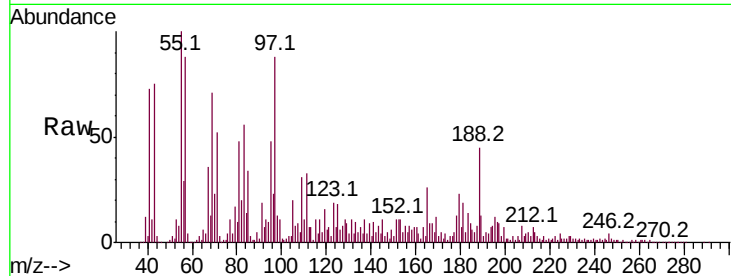
Tot Ion:188 Resp: 293022

Ion Ratio Lower Upper

188 100

94 23.0 7.2 10.8#

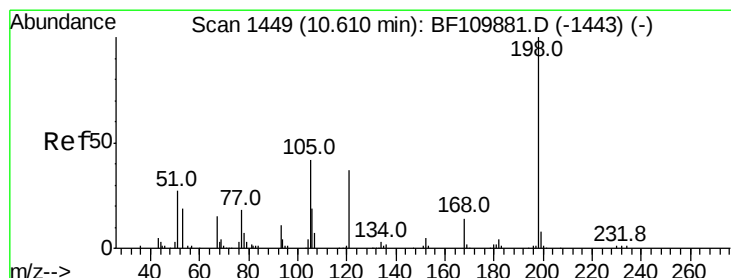
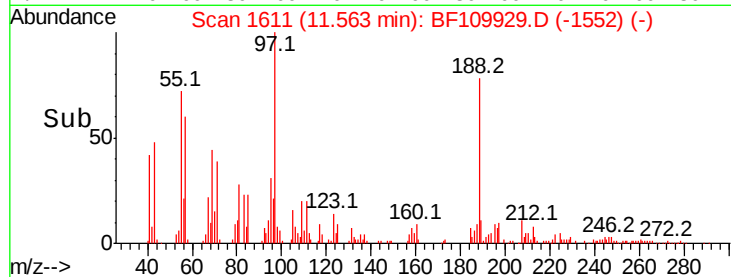
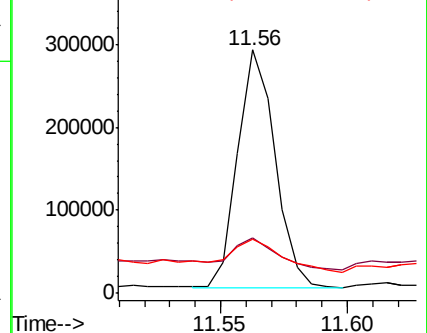
80 22.3 7.9 11.9#



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: 14.482 ng

RT: 10.64 min Scan# 1455

Delta R.T. 0.02 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

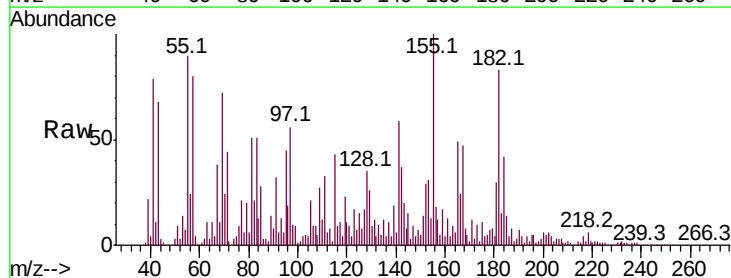
Tgt Ion:198 Resp: 8359

Ion Ratio Lower Upper

198 100

51 394.9 22.8 62.8#

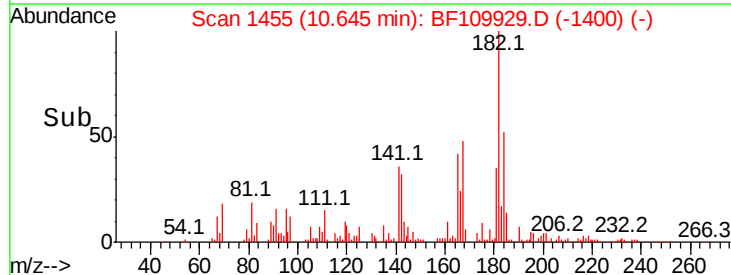
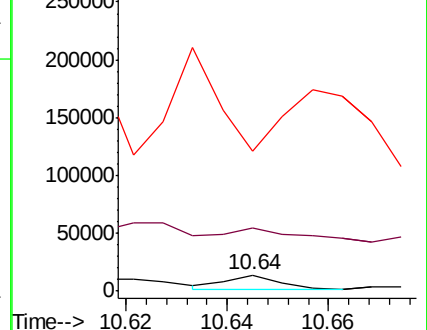
105 878.1 23.6 63.6#

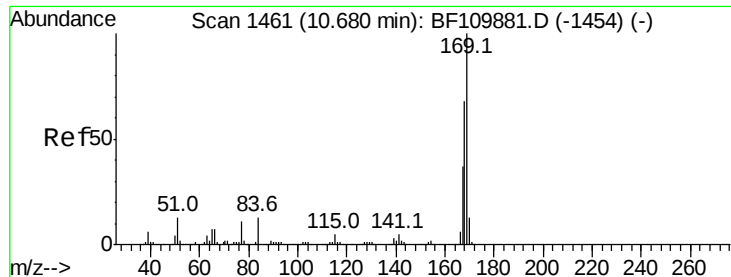


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#66

n-Nitrosodiphenylamine

Concen: 105.397 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampled :

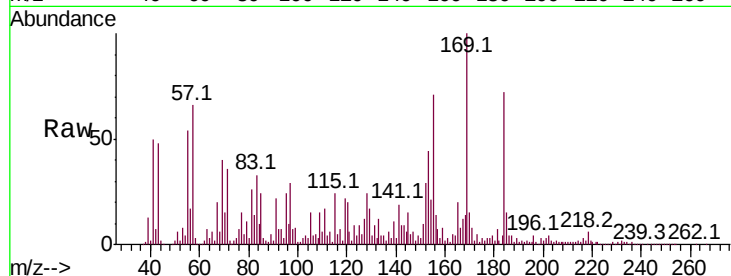
Tot Ion:169 Resp: 1028617

Ion Ratio Lower Upper

169 100

168 14.2 51.2 76.8#

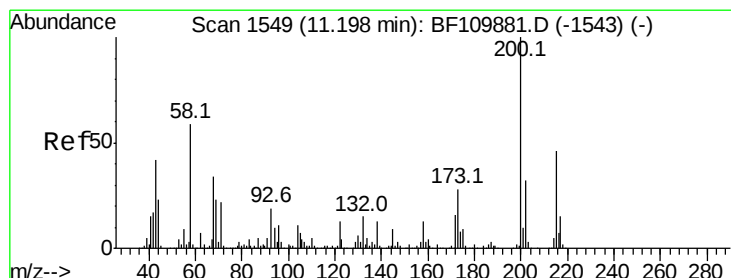
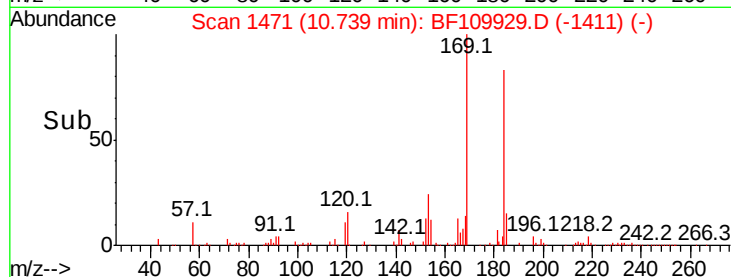
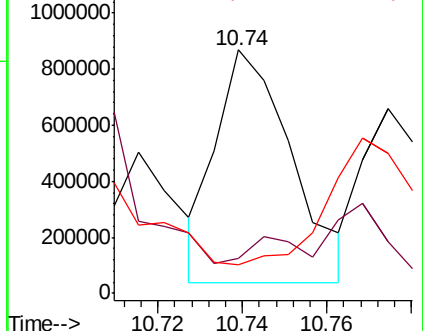
167 11.8 27.8 41.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Atrazine

Concen: 7.661 ng

RT: 11.26 min Scan# 1560

Delta R.T. 0.06 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

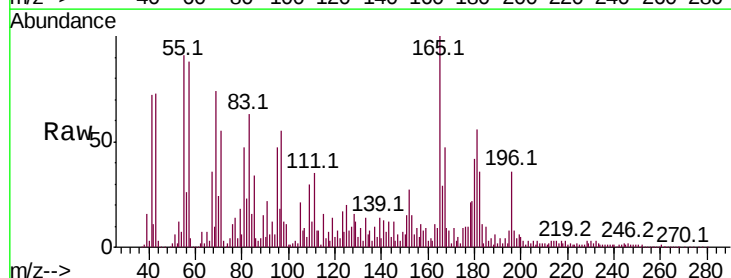
Tgt Ion:200 Resp: 23354

Ion Ratio Lower Upper

200 100

173 87.4 6.6 46.6#

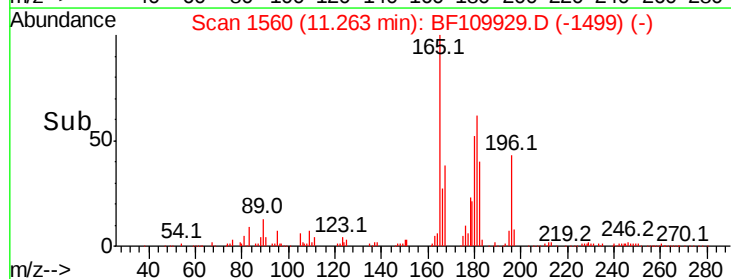
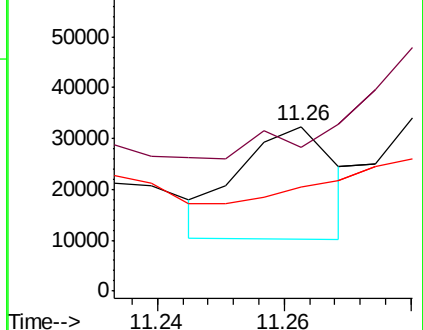
215 63.4 26.3 66.3

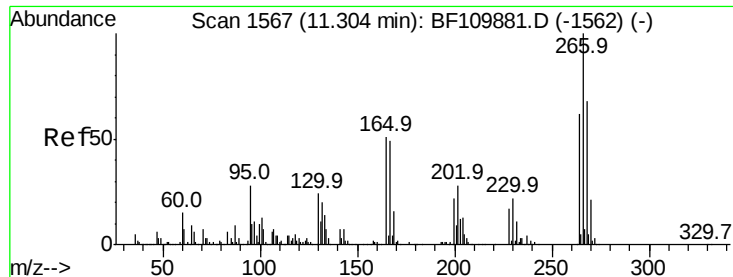


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

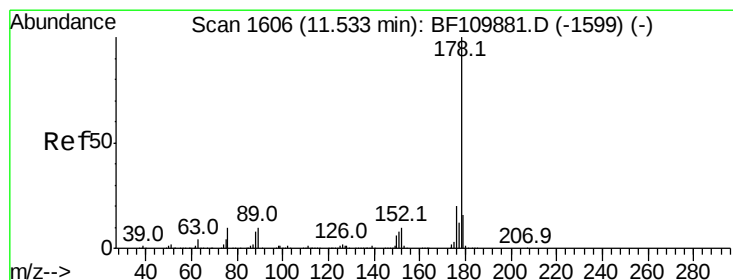
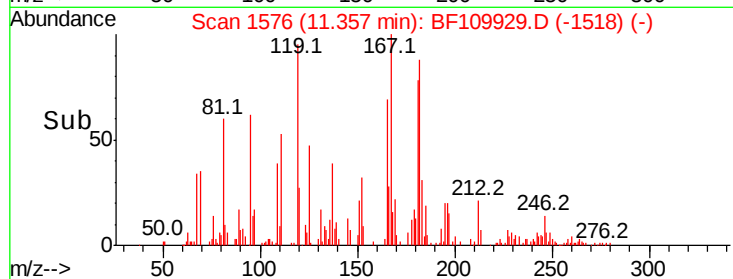
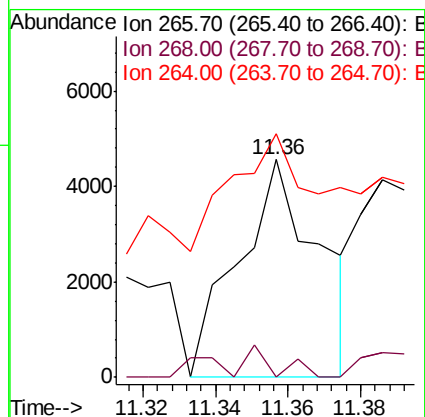
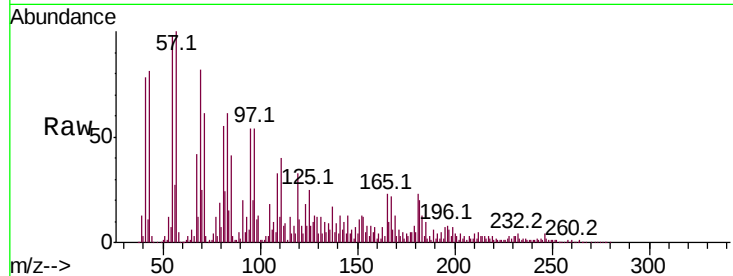




#70
 Pentachlorophenol
 Concen: 3.615 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.04 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

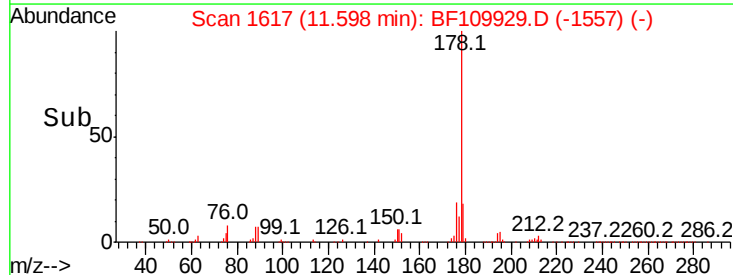
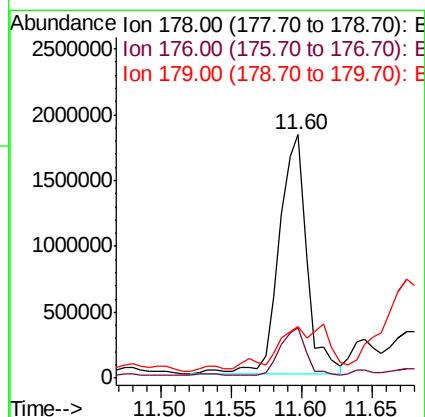
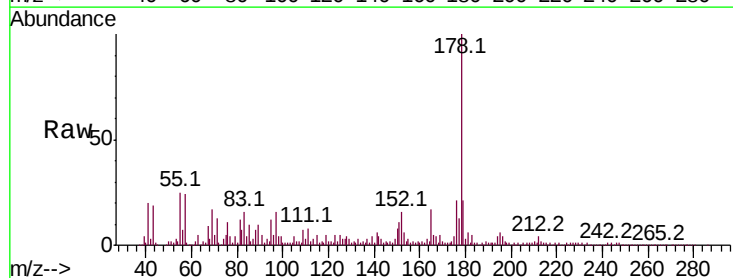
Instrument :
 BNA_F
 ClientSampleId :

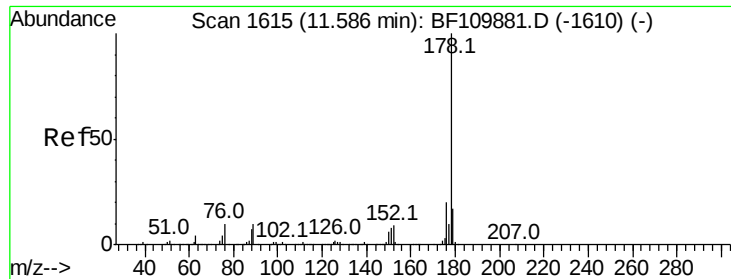
Tot Ion:266 Resp: 6967
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.6 75.8#
 264 111.8 50.6 75.8#



#71
 Phenanthrene
 Concen: 165.850 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. 0.05 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion:178 Resp: 2515935
 Ion Ratio Lower Upper
 178 100
 176 20.5 15.5 23.3
 179 21.4 12.5 18.7#





#72

Anthracene

Concen: 15.829 ng

RT: 11.64 min Scan# 1625

Delta R.T. 0.05 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampleId :

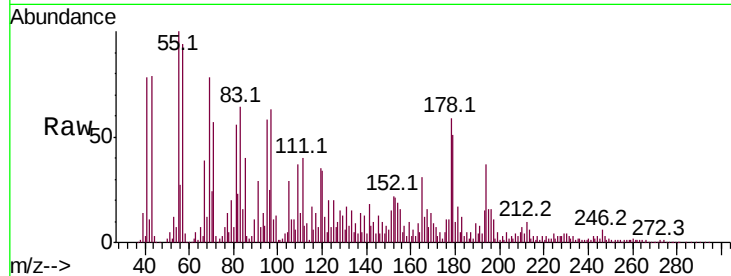
Tot Ion:178 Resp: 241417

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

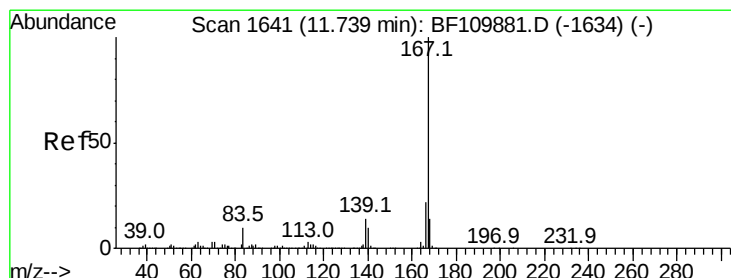
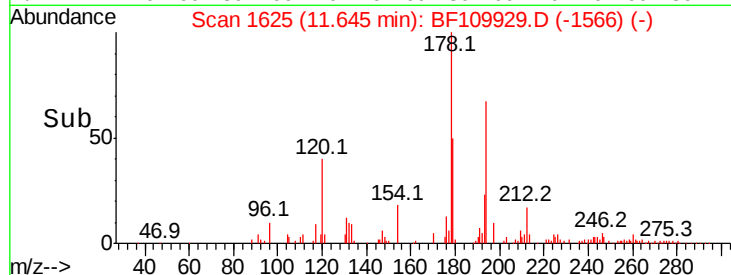
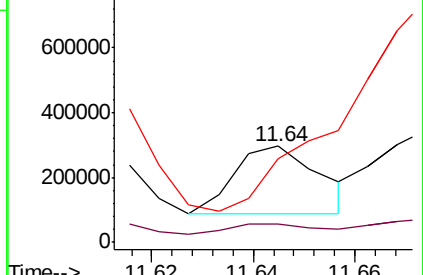
179 86.2 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 4.724 ng

RT: 11.83 min Scan# 1656

Delta R.T. 0.08 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

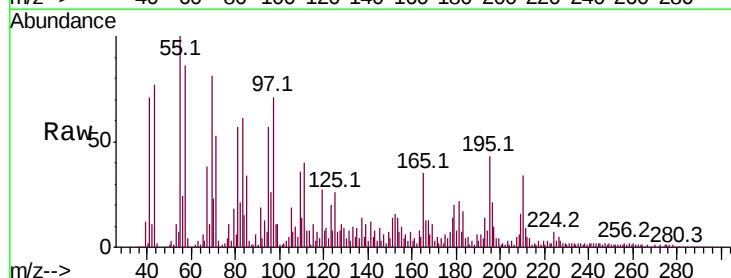
Tgt Ion:167 Resp: 70801

Ion Ratio Lower Upper

167 100

166 95.6 17.4 26.0#

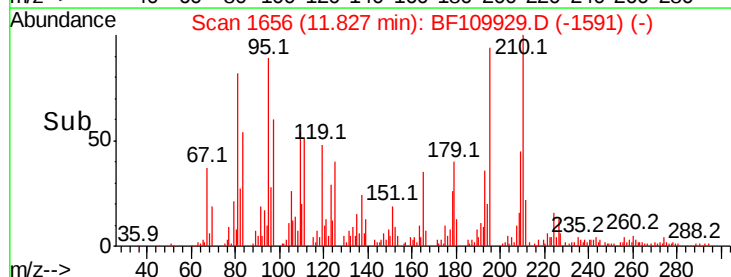
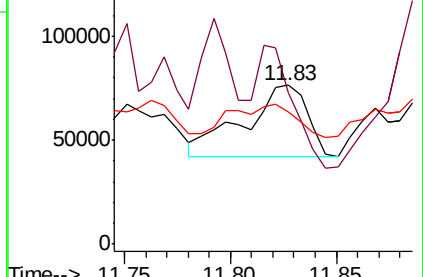
139 83.5 10.9 16.3#

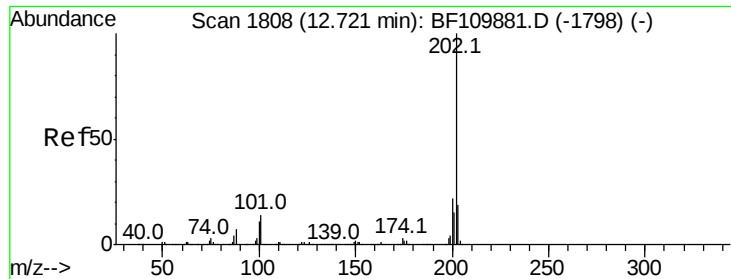


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 19.388 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.03 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

Instrument :

BNA_F

ClientSampleId :

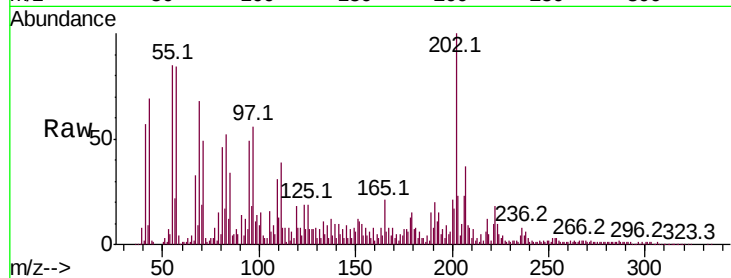
Tot Ion:202 Resp: 293809

Ion Ratio Lower Upper

202 100

101 14.8 0.0 31.4

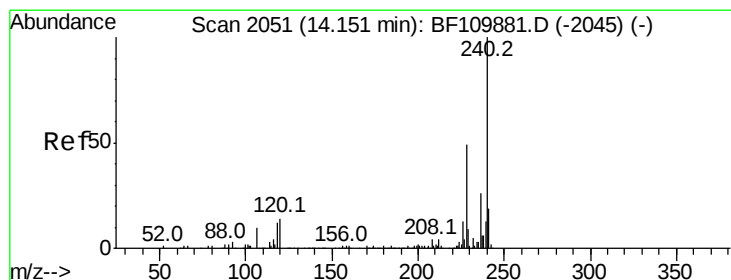
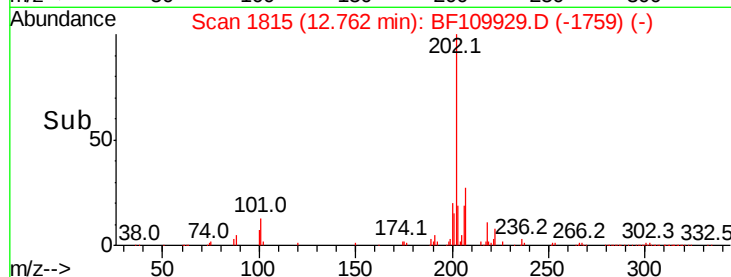
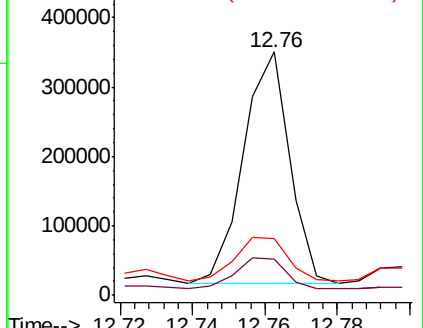
203 23.3 0.0 37.7



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: 14.16 min Scan# 2053

Delta R.T. -0.00 min

Lab File: BF109929.D

Acq: 17 Oct 2018 19:27

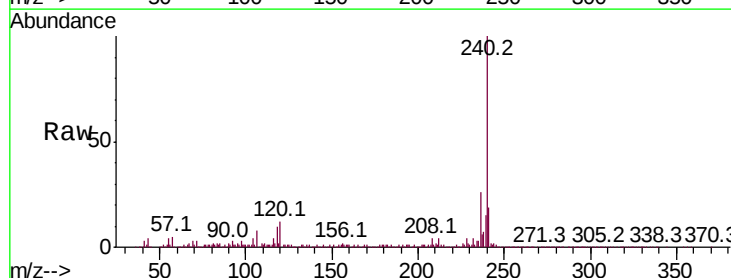
Tgt Ion:240 Resp: 571895

Ion Ratio Lower Upper

240 100

120 11.6 8.3 12.5

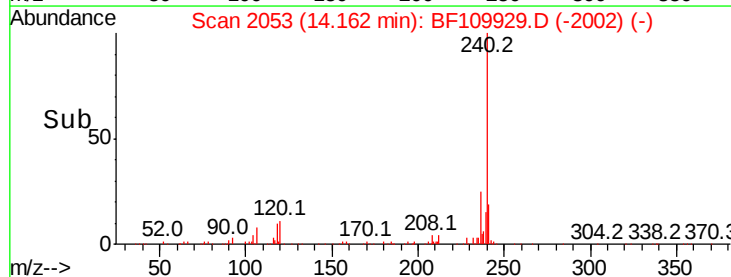
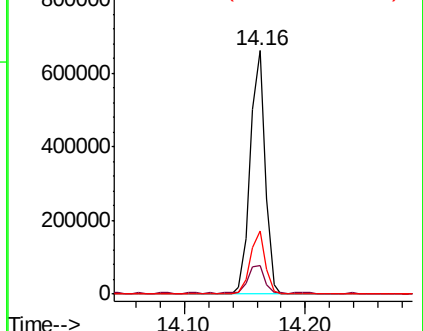
236 25.7 21.2 31.8

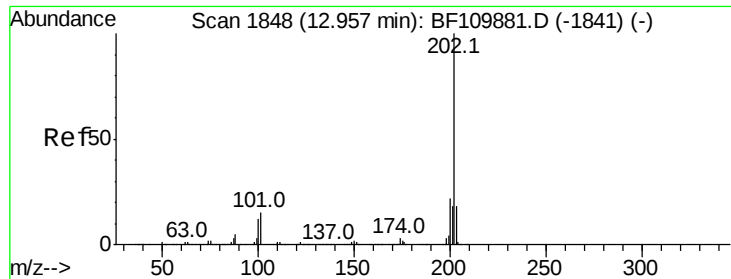


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

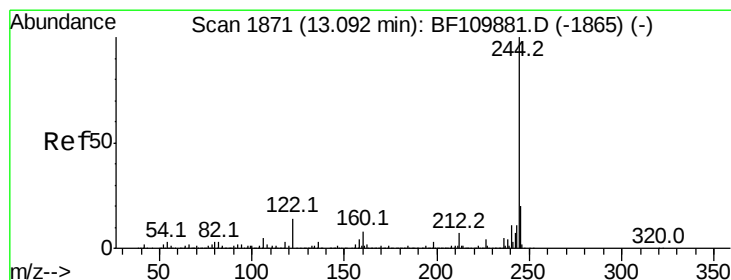
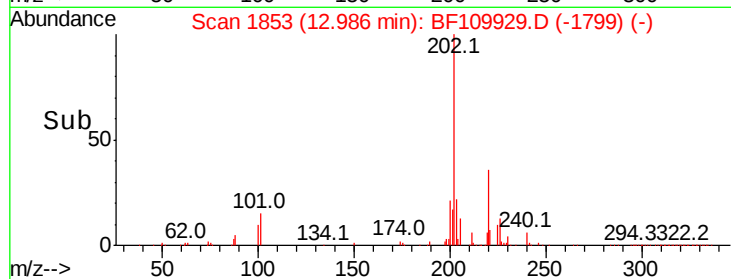
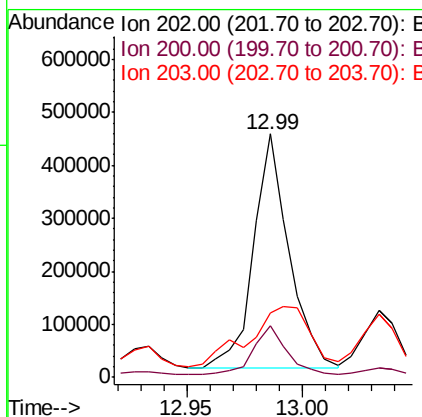
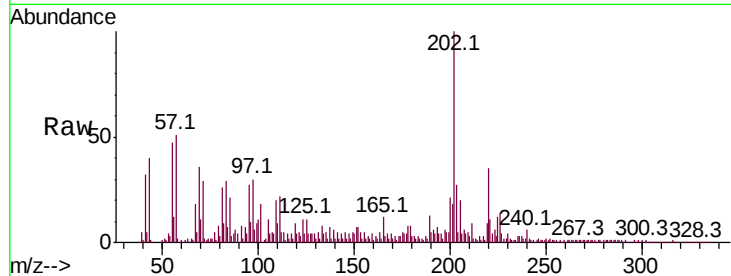




#78
Pvrene
Concen: 11.239 ng
RT: 12.99 min Scan# 1853
Delta R.T. 0.02 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

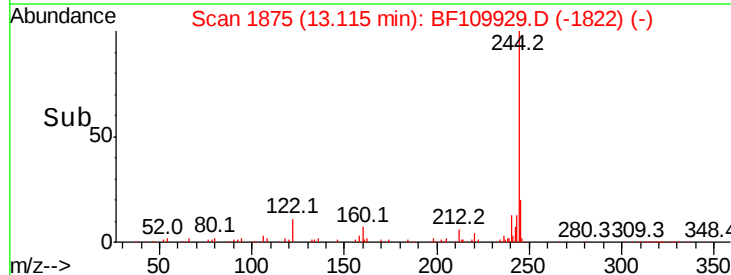
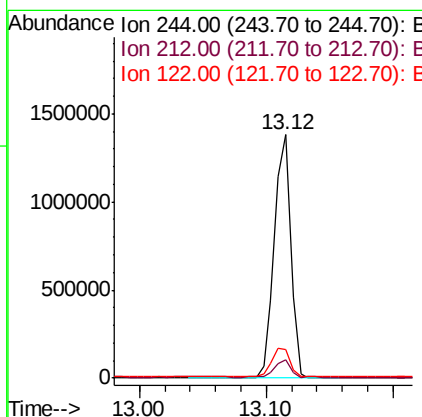
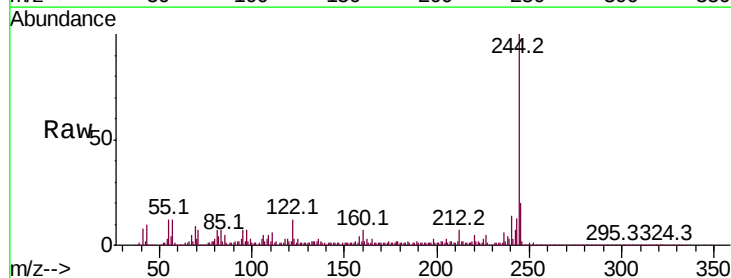
Instrument :
BNA_F
ClientSampleId :

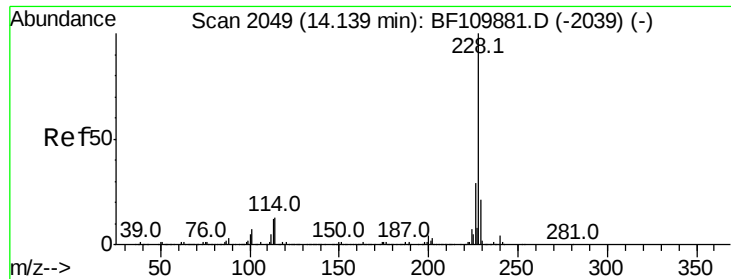
Tot Ion:202 Resp: 472099
Ion Ratio Lower Upper
202 100
200 21.3 17.8 26.6
203 26.6 14.2 21.4#



#79
Terphenyl-d14
Concen: 45.553 ng
RT: 13.12 min Scan# 1875
Delta R.T. 0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion:244 Resp: 1240581
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.8
122 12.0 8.7 13.1

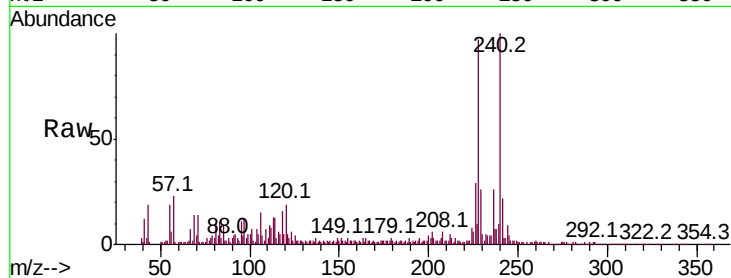




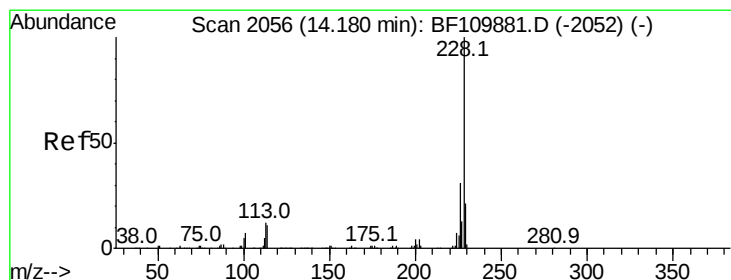
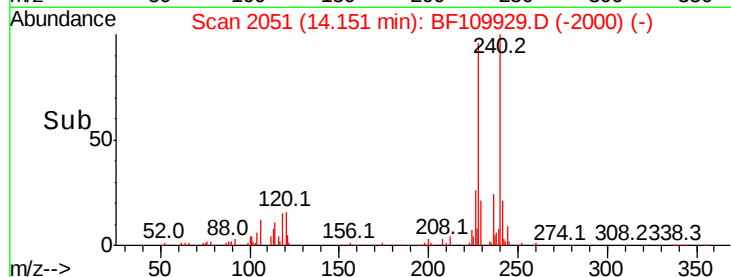
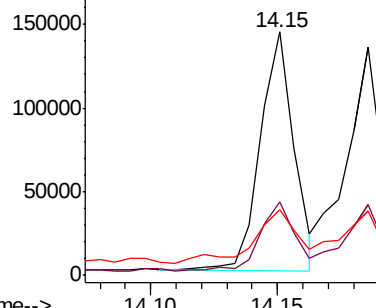
#81
Benzo(a)anthracene
Concen: 3.909 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 131685
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 27.2 15.6 23.4#

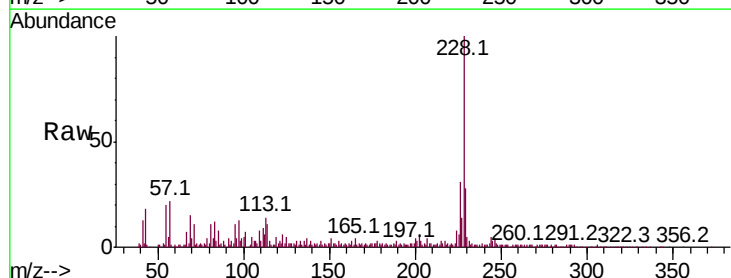


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

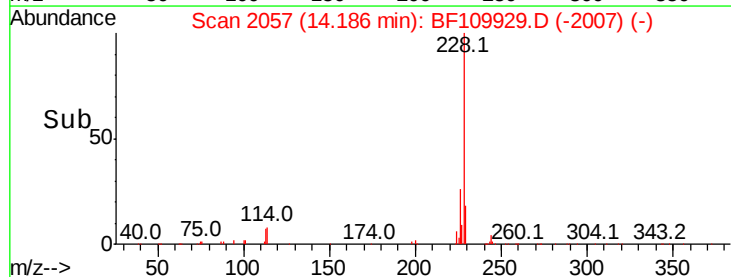
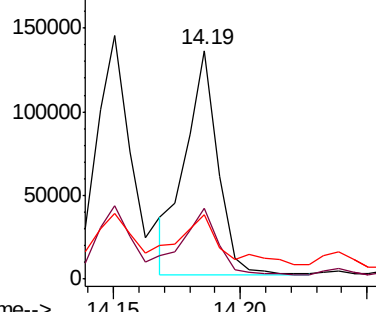


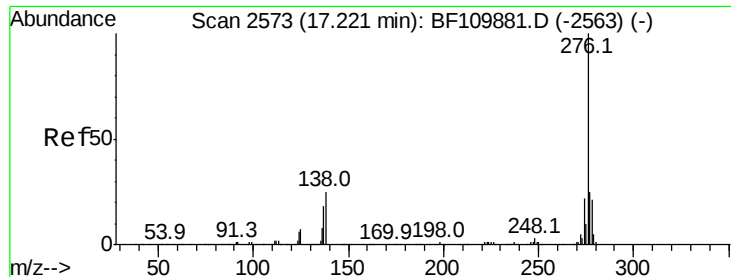
#83
Chrysene
Concen: 3.710 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion:228 Resp: 118957
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 28.0 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

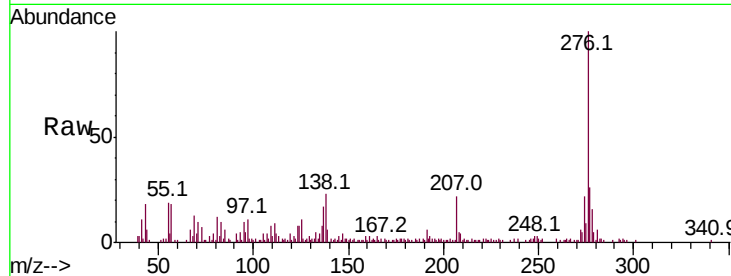




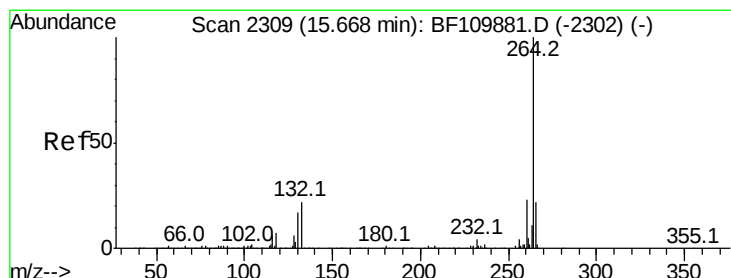
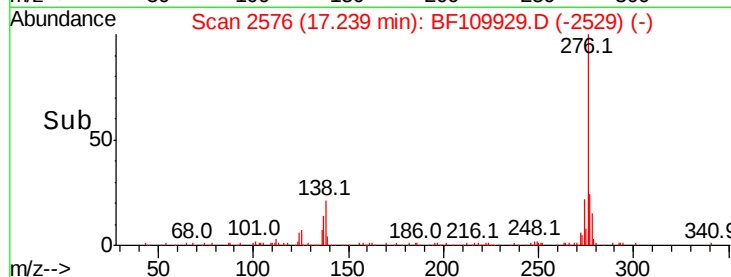
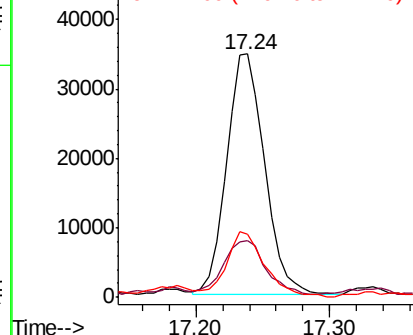
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.675 ng
 RT: 17.24 min Scan# 2576
 Delta R.T. -0.02 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.5	27.7
277	27.5	20.0	30.0

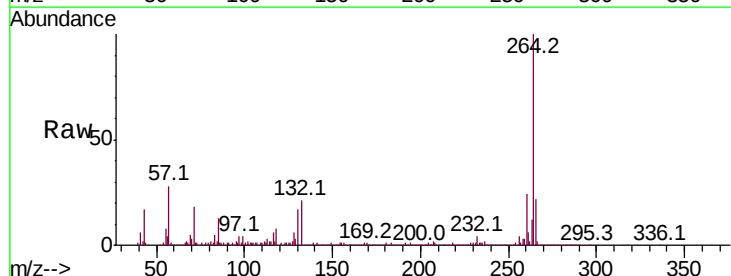


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

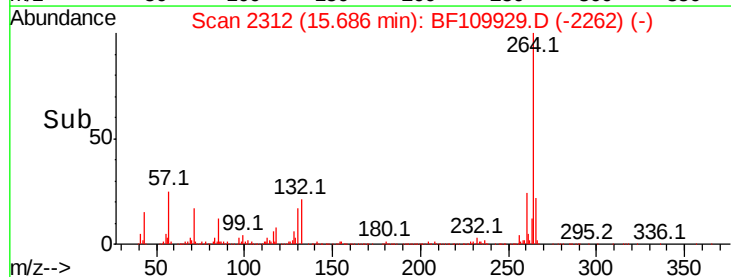
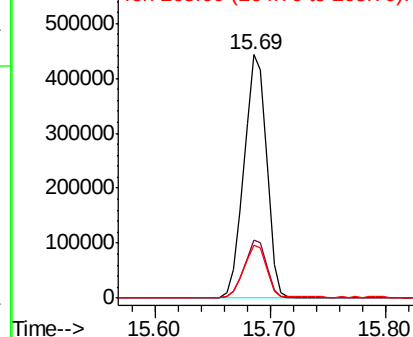


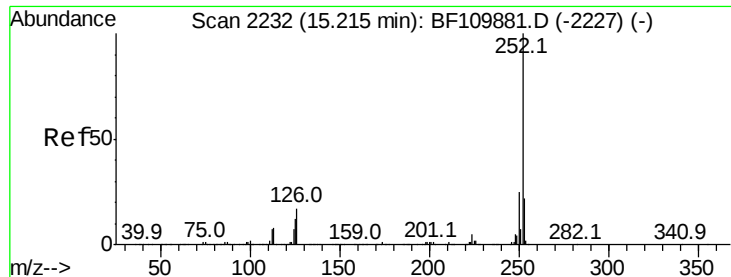
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF109929.D
 Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.7	16.7	25.1



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

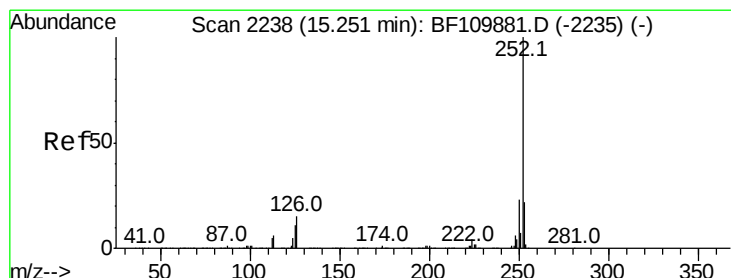
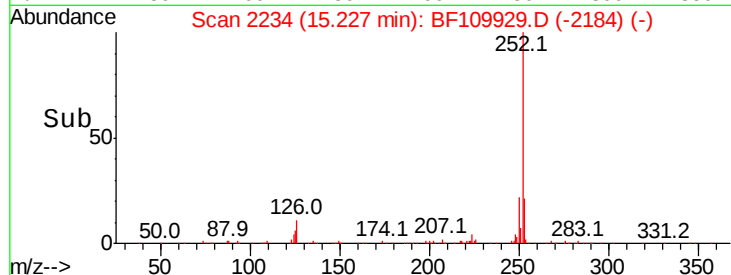
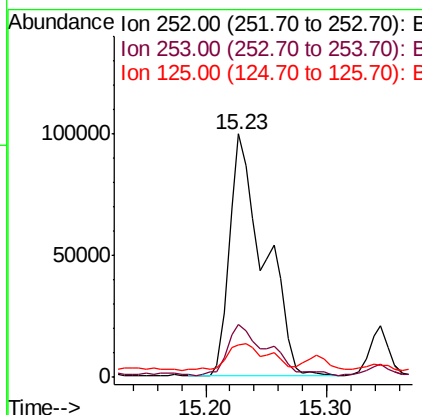
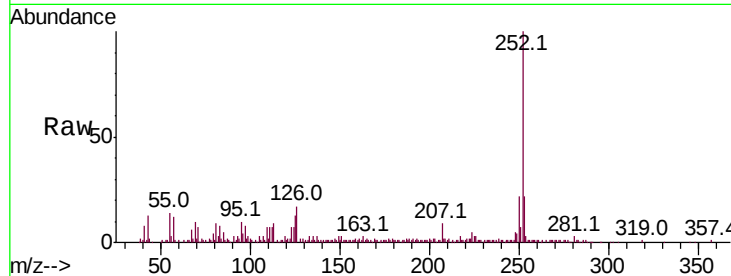




#88
Benzo(b)fluoranthene
Concen: 5.684 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

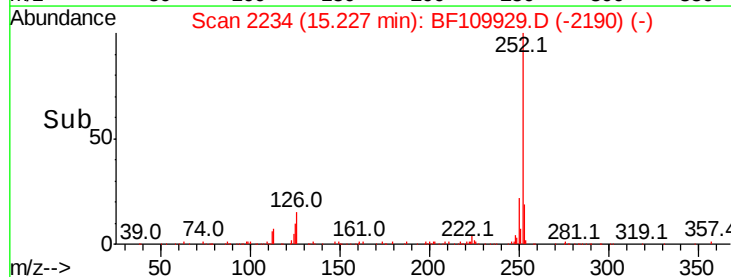
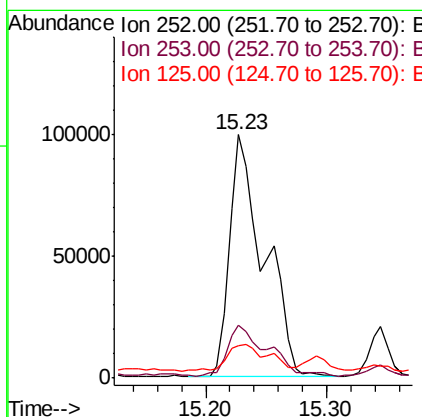
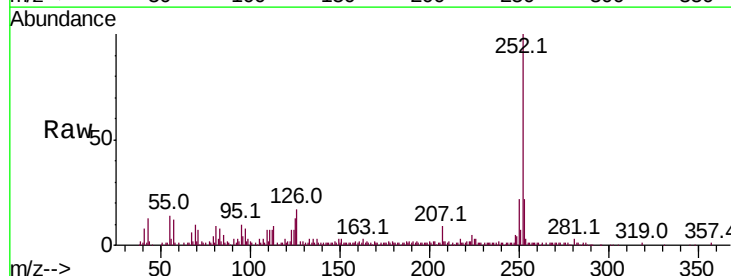
Instrument :
BNA_F
ClientSampled :

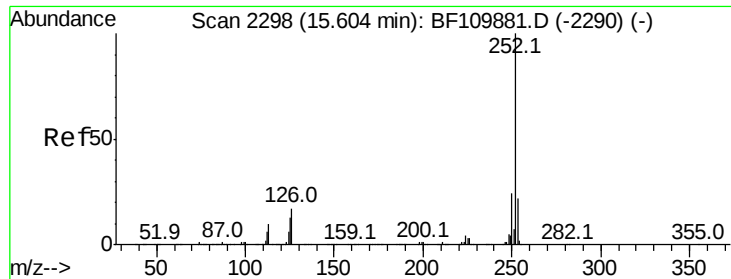
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	13.4	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 5.766 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.04 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	13.4	7.4	11.0

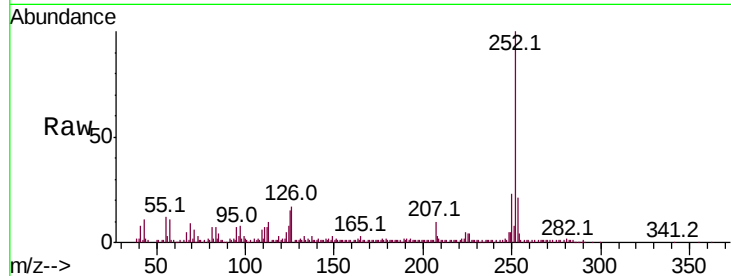




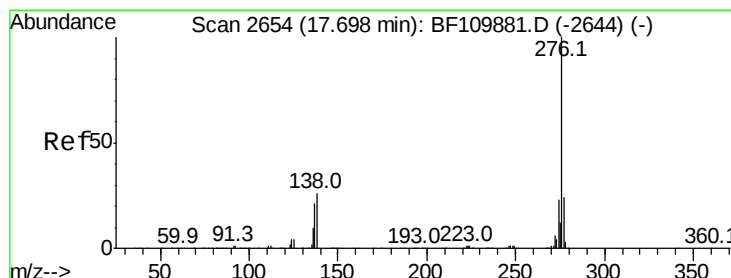
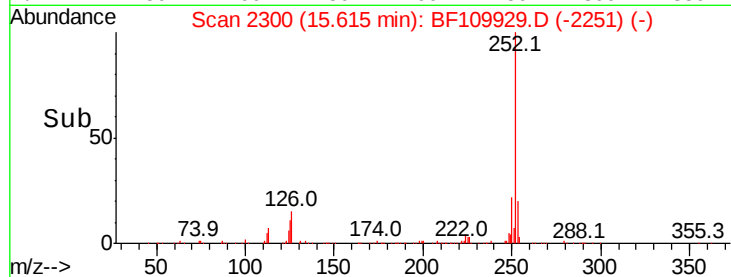
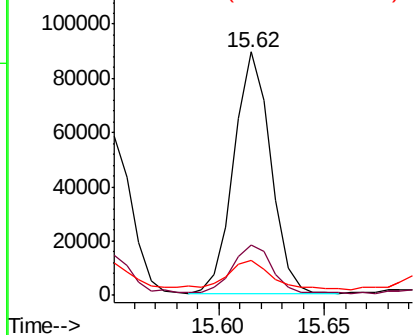
#90
Benzo(a)pyrene
Concen: 3.390 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.2	27.4
125	14.6	9.0	13.6#

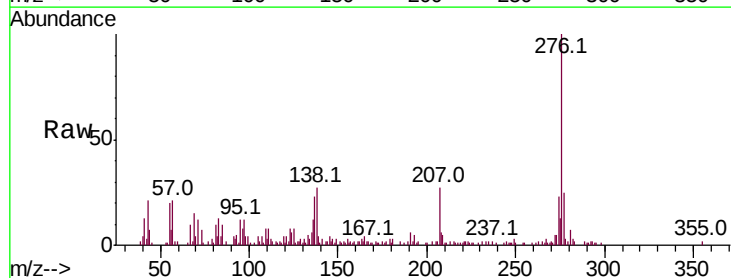


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.189 ng
RT: 17.71 min Scan# 2656
Delta R.T. -0.03 min
Lab File: BF109929.D
Acq: 17 Oct 2018 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.8	28.2
138	27.3	16.0	24.0#



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

