

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107677.D
 Acq On : 26 Jul 2018 1:27
 Operator : JU/SJ
 Sample : J4138-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 26 04:03:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	140323	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	244087	20.00	ng	0.04
38) Acenaphthene-d10	10.09	164	117953	20.00	ng	0.07
63) Phenanthrene-d10	11.57	188	191620	20.00	ng	0.05
75) Chrysene-d12	14.17	240	401046	20.00	ng	0.00
86) Perylene-d12	15.70	264	369902	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1488606	170.56	ng	0.00
7) Phenol-d6	6.61	99	1643565	156.84	ng	0.00
23) Nitrobenzene-d5	7.55	82	690788	191.00	ng	0.00
41) 2,4,6-Tribromophenol	10.88	330	153022	114.08	ng	0.06
44) 2-Fluorobiphenyl	9.38	172	793357	135.09	ng	0.05
78) Terphenyl-d14	13.12	244	993766	63.44	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.54	77	190560	27.607	ng	# 1
10) Phenol	6.62	94	34997	2.840	ng	# 1
15) Benzyl Alcohol	7.04	79	333535	46.699	ng	# 8
17) 2-Methylphenol	7.25	107	21696	2.730	ng	# 1
18) Hexachloroethane	7.47	117	359680	94.377	ng	# 1
19) n-Nitroso-di-n-propylamine	7.41	70	155841	23.019	ng	# 76
22) Acetophenone	7.37	105	1016030	177.243	ng	# 53
24) Nitrobenzene	7.63	77	131356	31.709	ng	# 40
25) Isophorone	7.80	82	72020	9.326	ng	# 1
26) 2-Nitrophenol	7.92	139	17230	9.849	ng	# 1
27) 2,4-Dimethylphenol	7.92	122	18908	5.710	ng	# 1
28) bis(2-Chloroethoxy)methane	8.07	93	54293	10.520	ng	# 1
29) 2,4-Dichlorophenol	8.12	162	50887	15.035	ng	# 1
31) Naphthalene	8.33	128	3504293	326.481	ng	# 88
32) Benzoic acid	8.08	122	26133	17.344	ng	# 1
33) 4-Chloroaniline	8.32	127	724467	154.424	ng	# 33
35) Caprolactam	8.73	113	375064	340.702	ng	# 1
36) 4-Chloro-3-methylphenol	8.85	107	13632	3.626	ng	# 29
37) 2-Methylnaphthalene	9.04	142	5849654	786.466	ng	# 92
45) 1,1'-Biphenyl	9.50	154	568413	55.320	ng	# 97
47) 2-Nitroaniline	9.57	65	93390	40.787	ng	# 35
48) Acenaphthylene	9.96	152	168892	14.315	ng	# 1
49) Dimethylphthalate	9.79	163	40361	4.540	ng	# 82
50) 2,6-Dinitrotoluene	9.91	165	64157	36.350	ng	# 86
51) Acenaphthene	10.12	154	377810	51.109	ng	# 66
52) 3-Nitroaniline	10.03	138	16174	7.533	ng	# 55
53) 2,4-Dinitrophenol	10.29	184	4307	15.117	ng	# 1
54) Dibenzofuran	10.30	168	164651	15.129	ng	# 1
55) 4-Nitrophenol	10.20	139	229248	142.603	ng	# 61
56) 2,4-Dinitrotoluene	10.30	165	61474	28.855	ng	# 55
57) Fluorene	10.64	166	578239	74.477	ng	# 81
58) 2,3,4,6-Tetrachlorophenol	10.38	232	9199	4.200	ng	# 32
59) Diethylphthalate	10.54	149	50039	5.390	ng	# 1
61) 4-Nitroaniline	10.73	138	4252	2.357	ng	# 5

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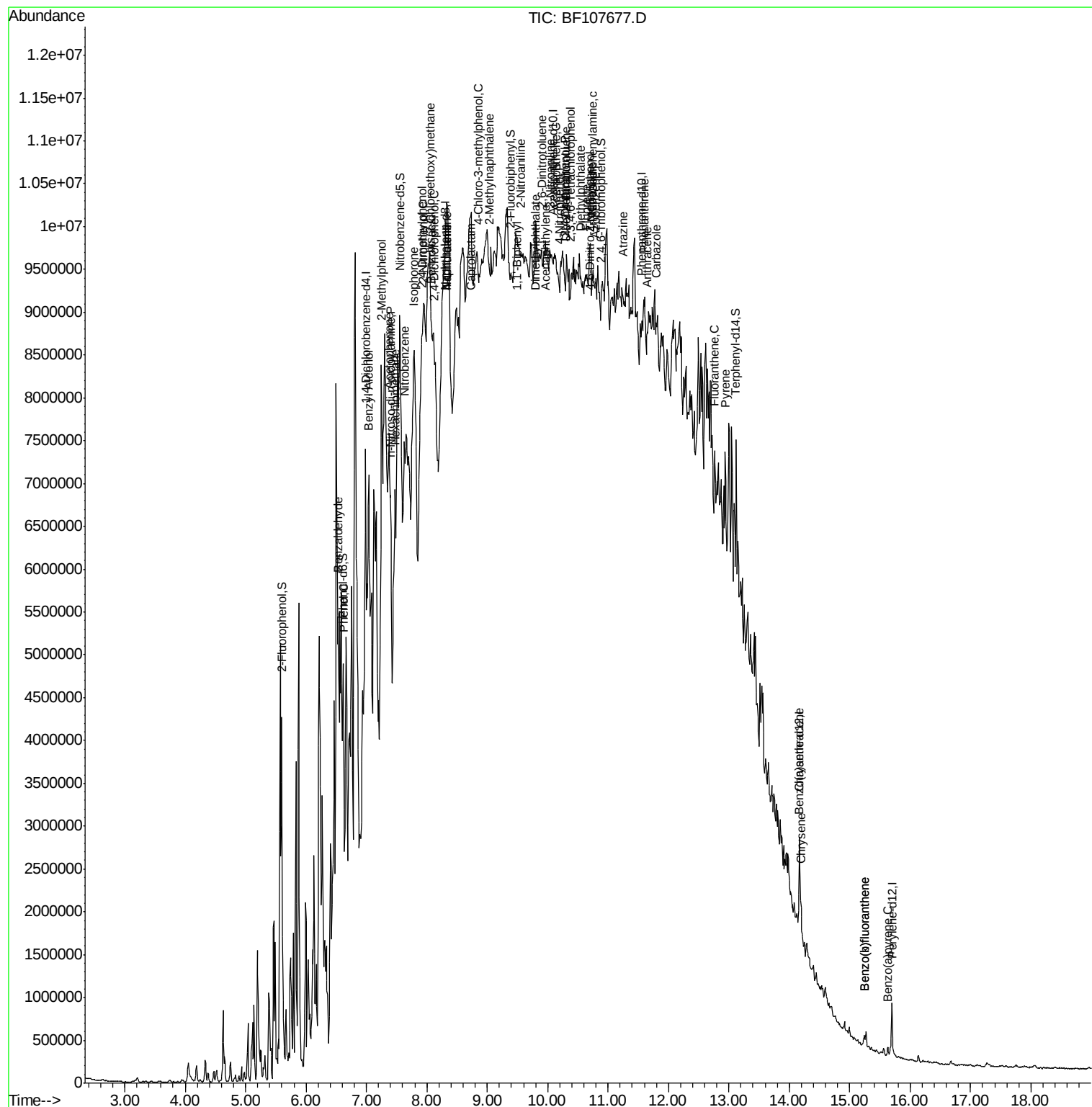
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
62) Azobenzene	10.78	77	82710	9.501	nq	#	1
64) 4,6-Dinitro-2-methylphenol	10.70	198	2750	11.116	nq	#	1
65) n-Nitrosodiphenylamine	10.74	169	1096284	168.455	nq	#	55
68) Atrazine	11.26	200	29654	14.924	nq	#	36
70) Phenanthrene	11.60	178	2331012	249.635	nq	#	90
71) Anthracene	11.64	178	366948	39.030	nq	#	64
72) Carbazole	11.80	167	176411	18.044	nq	#	1
73) Di-n-butylphthalate	12.12	149	18626	Below	Cal	#	1
74) Fluoranthene	12.77	202	235614	23.514	nq		89
77) Pvrene	12.94	202	118518	4.320	nq	#	24
80) Benzo(a)anthracene	14.16	228	126928	5.401	nq	#	74
81) 3,3'-Dichlorobenzidine	14.09	252	2079	Below	Cal	#	29
82) Chrysene	14.19	228	141066	6.248	nq	#	84
87) Benzo(b)fluoranthene	15.24	252	110237	5.445	nq	#	92
88) Benzo(k)fluoranthene	15.24	252	110237	5.558	nq		94
89) Benzo(a)pyrene	15.63	252	57317	3.095	nq	#	91

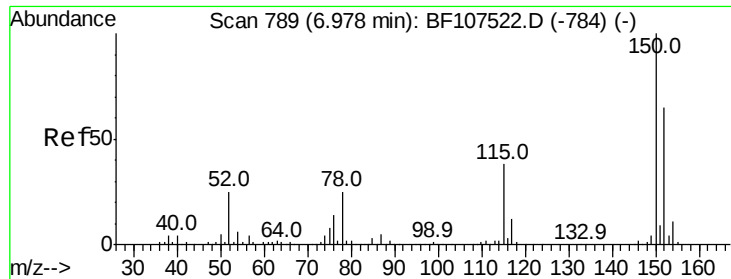
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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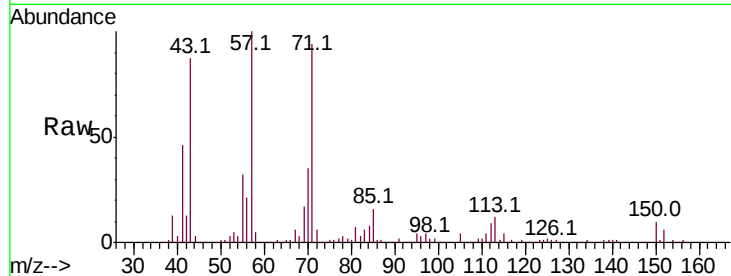


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	58.0	50.1	75.1

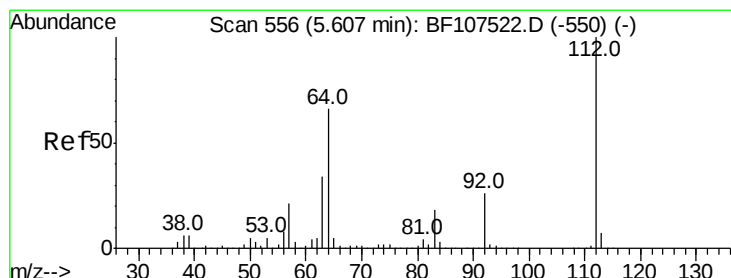
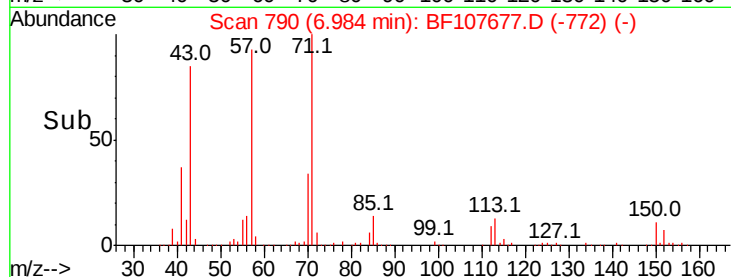
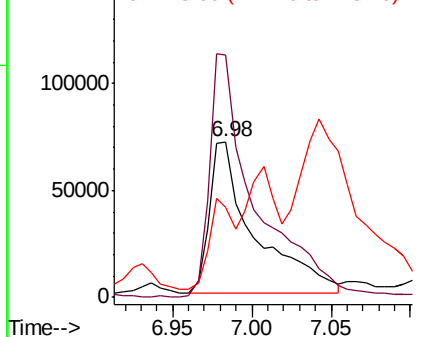


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

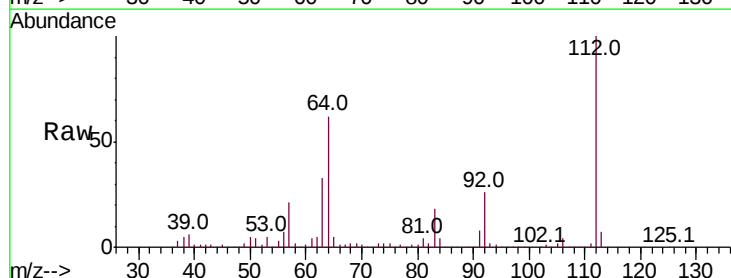
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 170.563 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.3	47.9	71.9
63	33.2	23.7	35.5

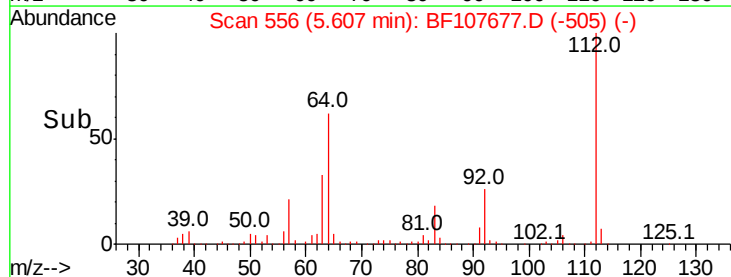
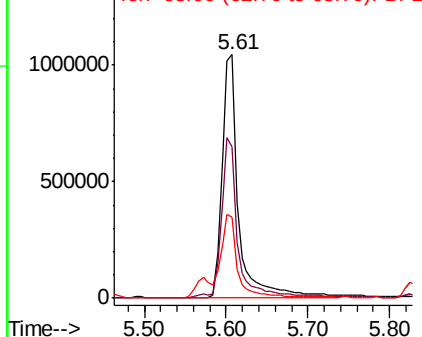


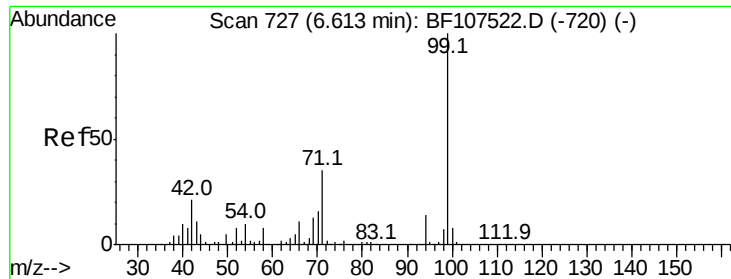
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 156.835 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampled :

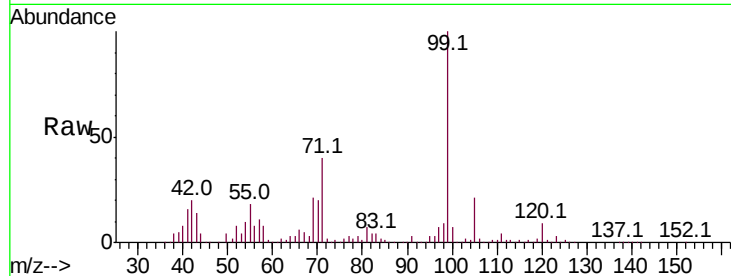
Tot Ion: 99 Resp: 1643565

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

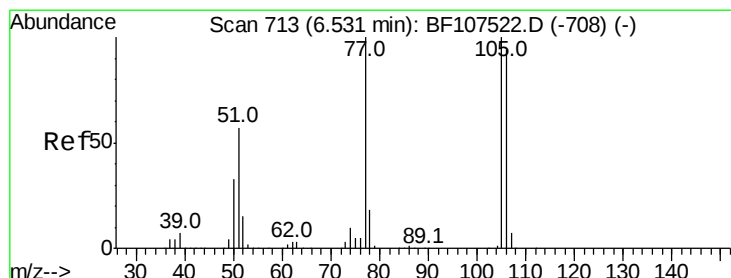
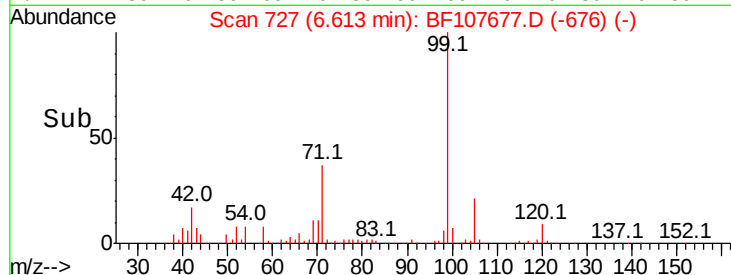
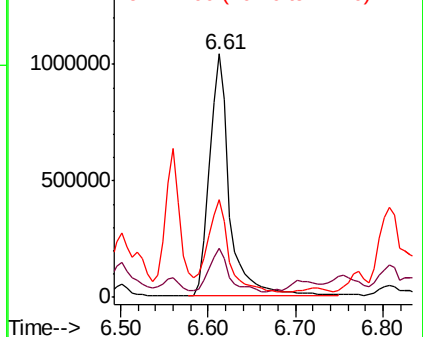
71 40.1 25.4 38.0#



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: 27.607 ng

RT: 6.54 min Scan# 714

Delta R.T. 0.01 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

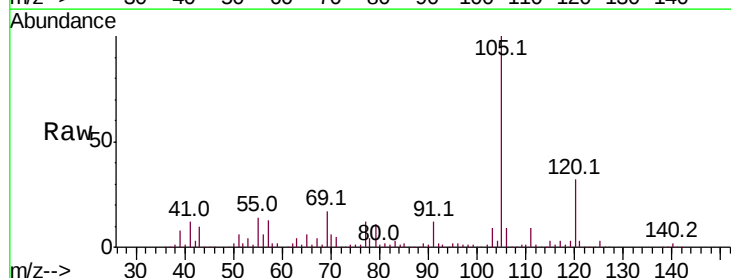
Tgt Ion: 77 Resp: 190560

Ion Ratio Lower Upper

77 100

105 833.0 81.1 121.1#

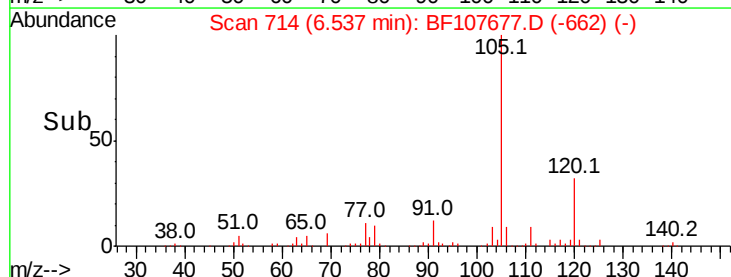
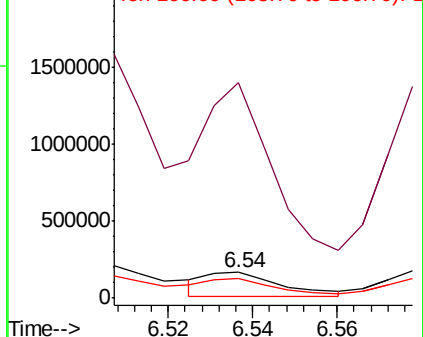
106 75.3 74.5 114.5

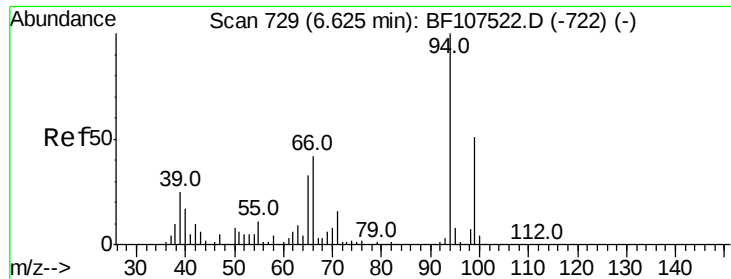


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.840 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

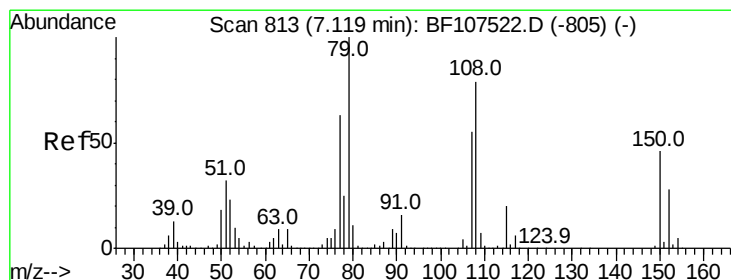
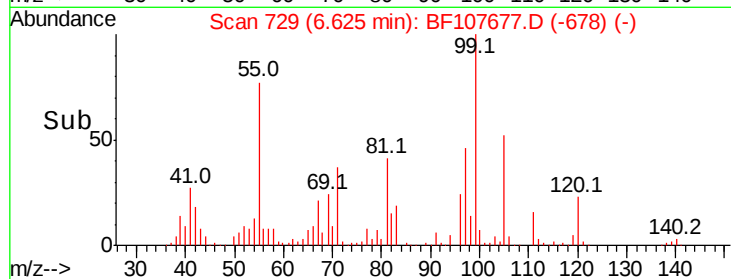
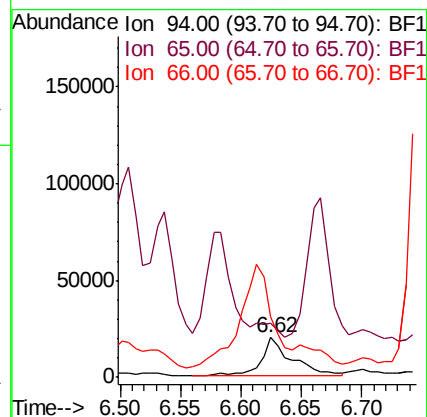
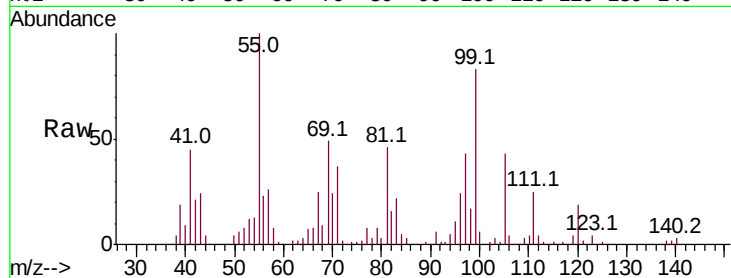
Tot Ion: 94 Resp: 34997

Ion Ratio Lower Upper

94 100

65 138.1 7.9 47.9#

66 154.5 16.2 56.2#



#15

Benzyl Alcohol

Concen: 46.699 ng

RT: 7.04 min Scan# 800

Delta R.T. -0.08 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

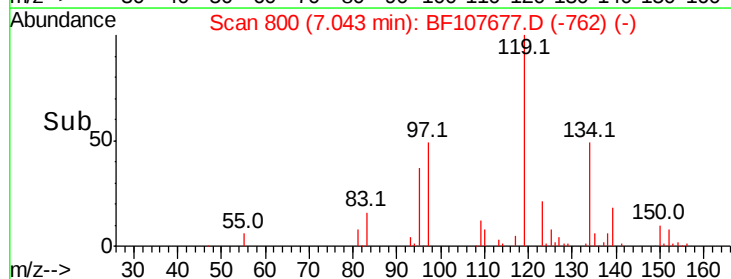
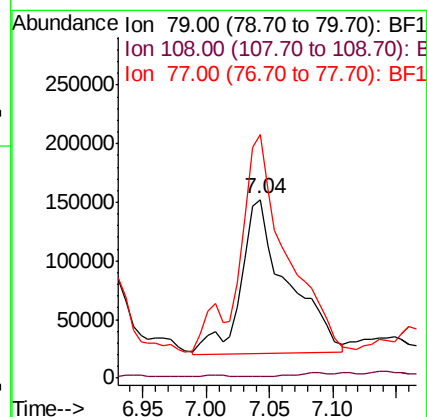
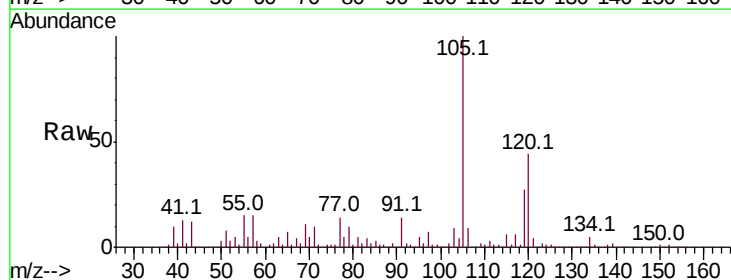
Tgt Ion: 79 Resp: 333535

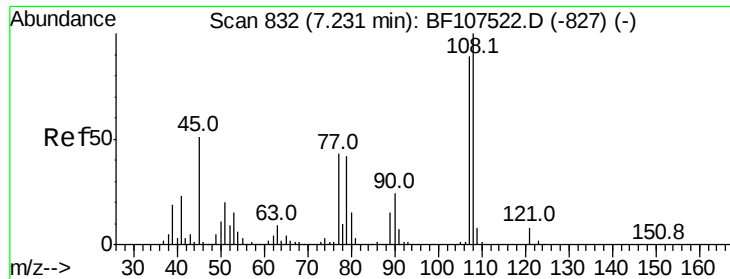
Ion Ratio Lower Upper

79 100

108 0.8 65.1 97.7#

77 136.1 50.6 75.8#

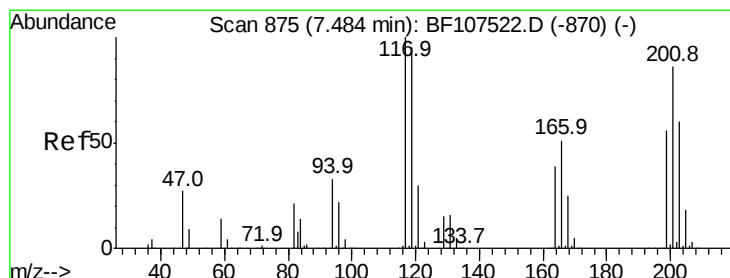
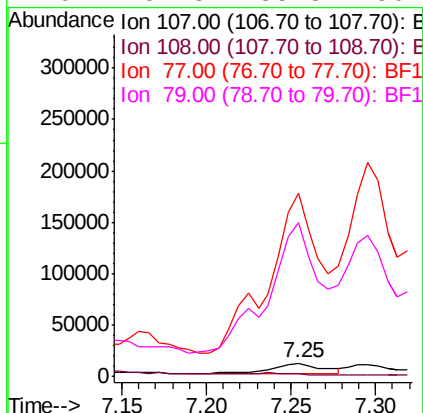
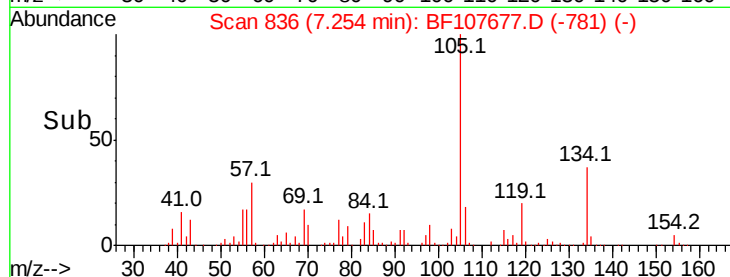
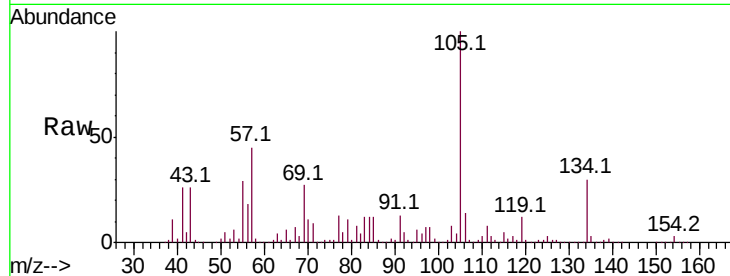




#17
2-Methylphenol
Concen: 2.730 ng
RT: 7.25 min Scan# 836
Delta R.T. 0.02 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

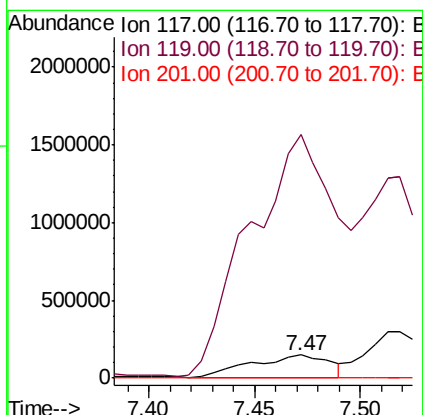
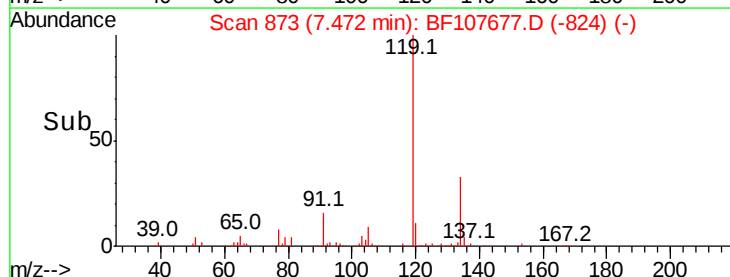
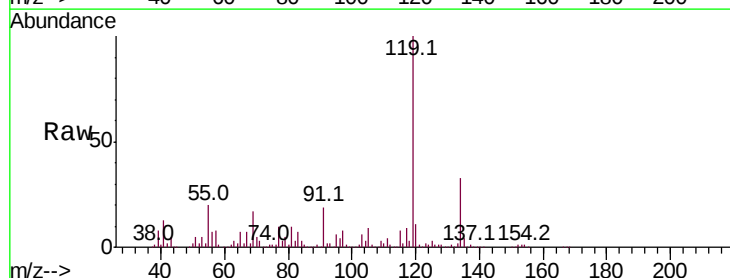
Instrument :
BNA_F
ClientSampled :

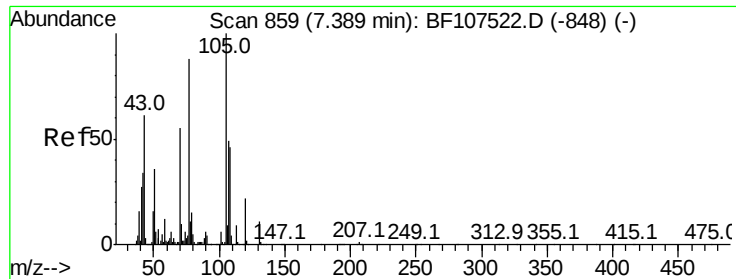
Tot Ion:107 Resp: 21696
Ion Ratio Lower Upper
107 100
108 15.0 91.7 137.5#
77 1378.8 33.8 50.8#
79 1161.8 33.8 50.8#



#18
Hexachloroethane
Concen: 94.377 ng
RT: 7.47 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:117 Resp: 359680
Ion Ratio Lower Upper
117 100
119 1062.3 75.8 113.8#
201 0.0 75.7 113.5#

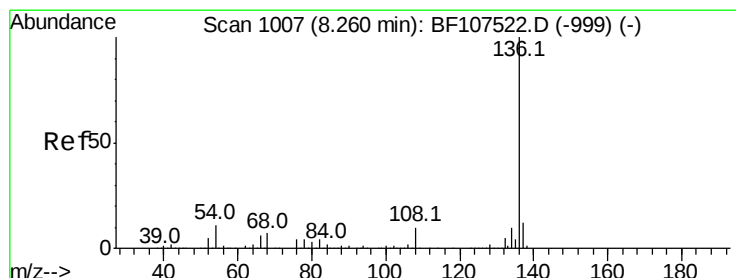
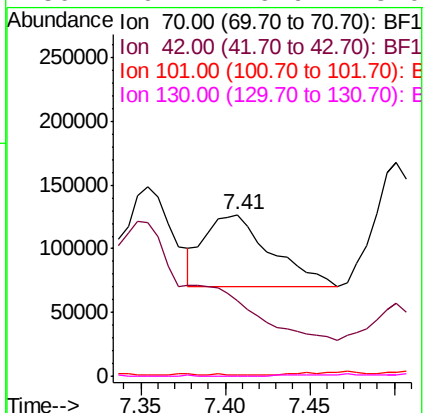
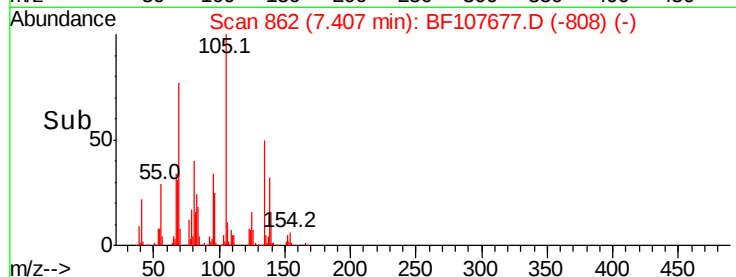
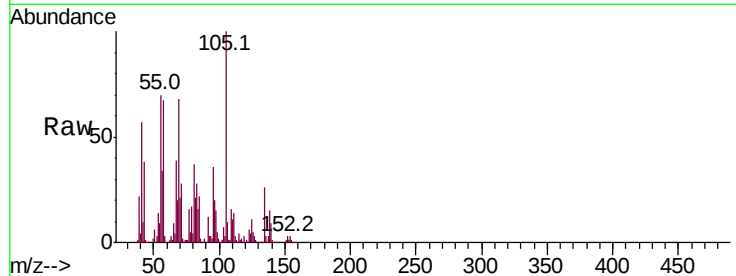




#19
n-Nitroso-di-n-propylamine
Concen: 23.019 ng
RT: 7.41 min Scan# 862
Delta R.T. 0.02 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

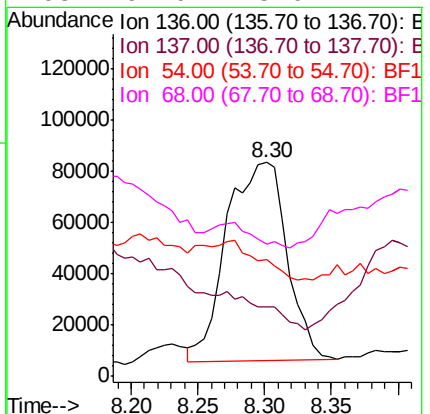
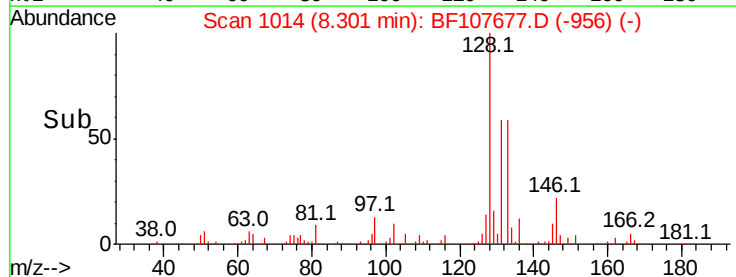
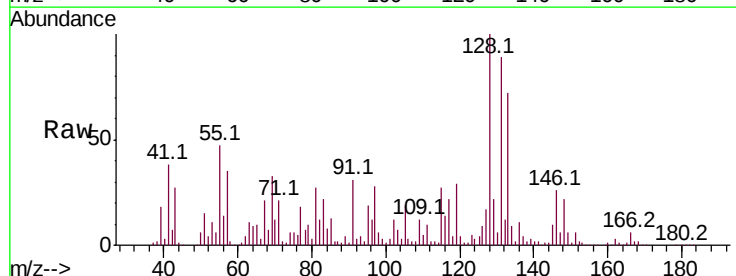
Instrument :
BNA_F
ClientSampled :

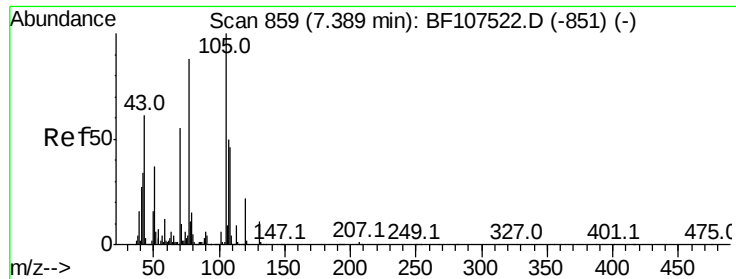
Tot Ion: 70 Resp: 155841
Ion Ratio Lower Upper
70 100
42 46.8 47.5 71.3#
101 0.9 7.4 11.2#
130 0.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.04 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:136 Resp: 244087
Ion Ratio Lower Upper
136 100
137 32.2 8.9 13.3#
54 54.5 6.6 9.8#
68 61.9 5.0 7.4#





#22

Acetophenone

Concen: 177.243 ng

RT: 7.37 min Scan# 856

Delta R.T. -0.02 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:105 Resp: 1016030

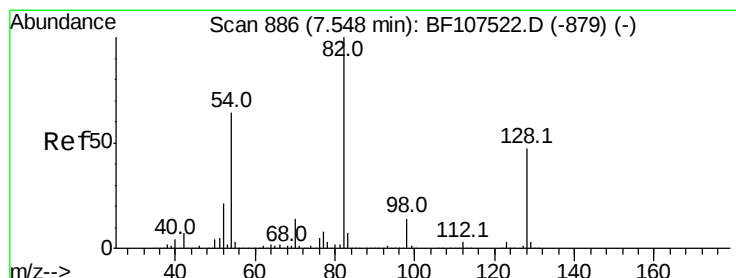
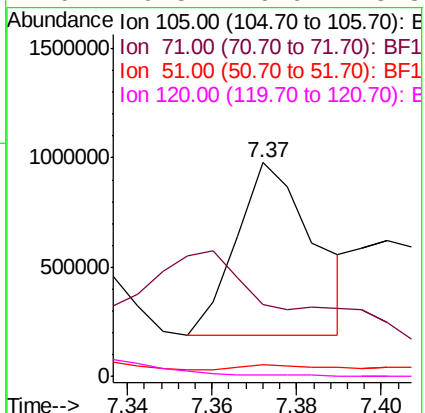
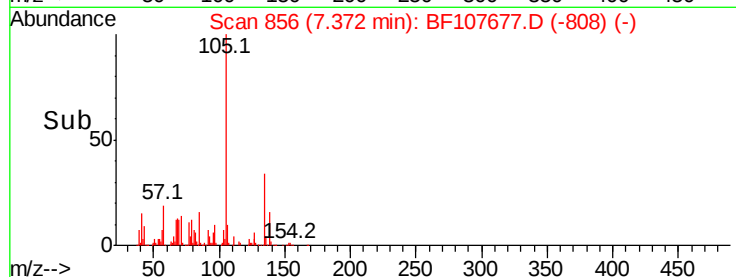
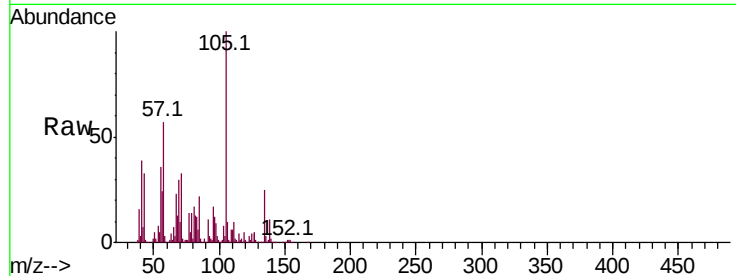
Ion Ratio Lower Upper

105 100

71 33.3 4.4 6.6#

51 5.4 22.3 33.5#

120 0.5 16.9 25.3#



#23

Nitrobenzene-d5

Concen: 190.996 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.00 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

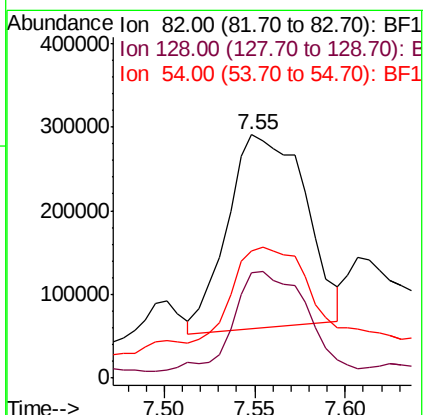
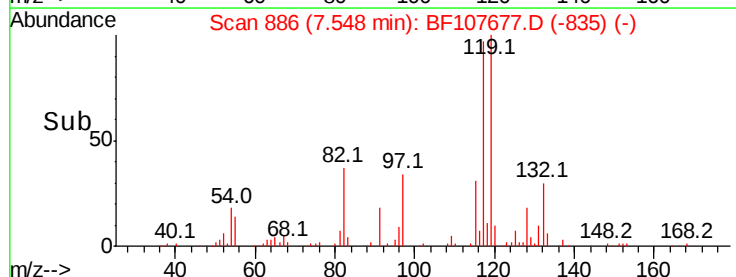
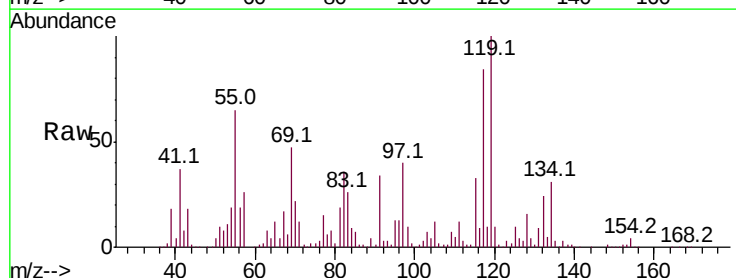
Tgt Ion: 82 Resp: 690788

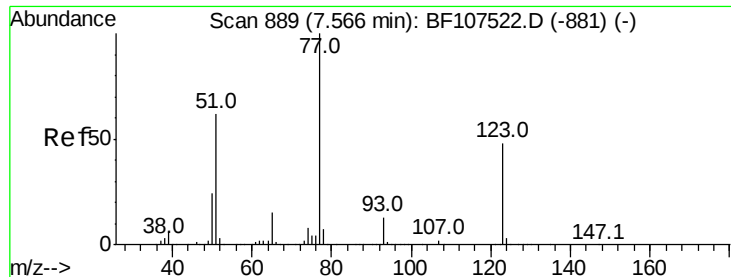
Ion Ratio Lower Upper

82 100

128 43.2 36.1 54.1

54 52.2 41.4 62.2

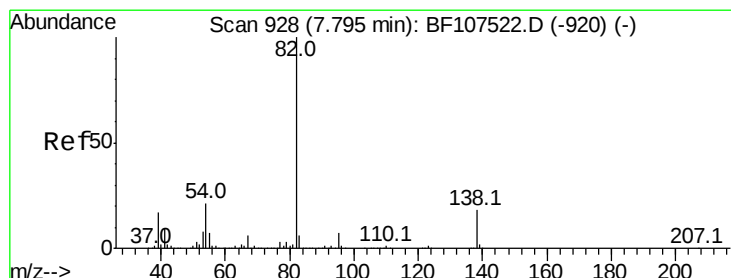
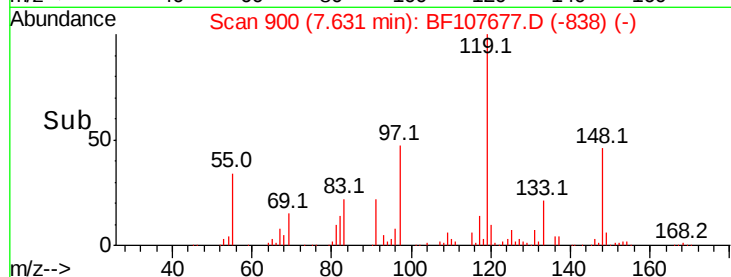
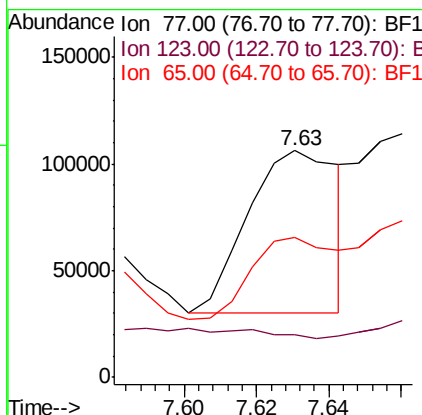
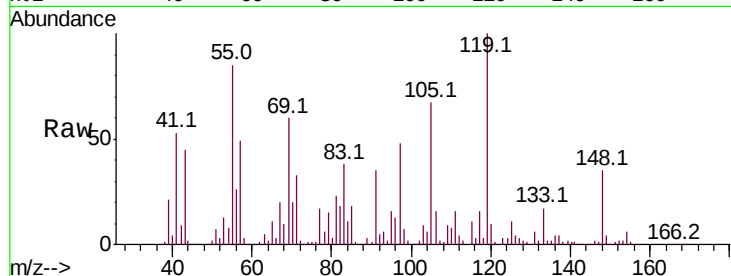




#24
Nitrobenzene
Concen: 31.709 ng
RT: 7.63 min Scan# 900
Delta R.T. 0.06 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

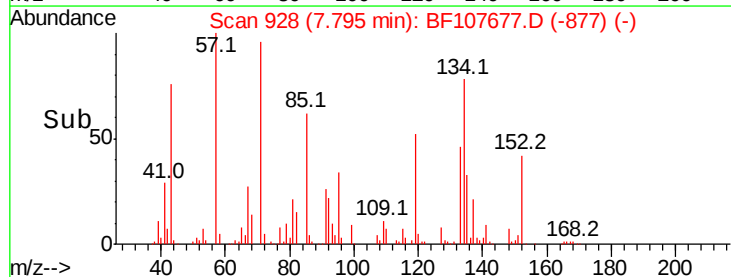
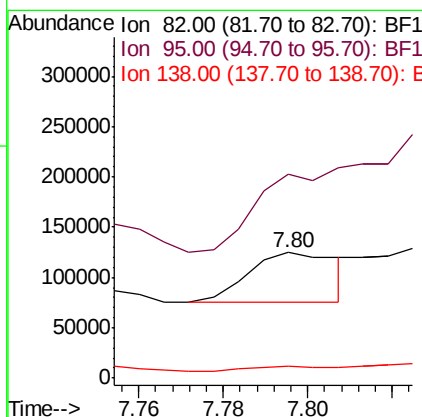
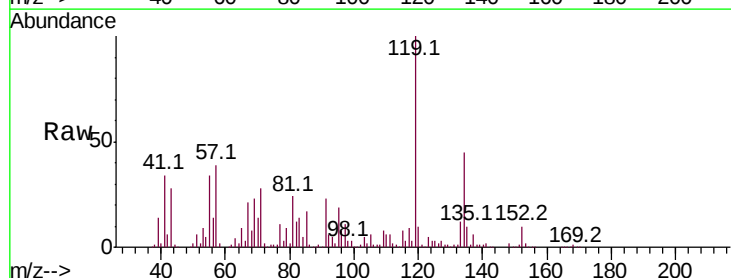
Instrument :
BNA_F
ClientSampled :

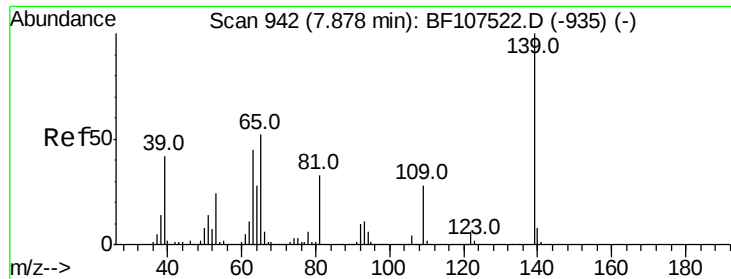
Tot Ion: 77 Resp: 131356
Ion Ratio Lower Upper
77 100
123 18.5 37.9 56.9#
65 61.8 11.0 16.4#



#25
Isophorone
Concen: 9.326 ng
RT: 7.80 min Scan# 928
Delta R.T. 0.00 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion: 82 Resp: 72020
Ion Ratio Lower Upper
82 100
95 162.5 5.2 7.8#
138 9.4 14.9 22.3#

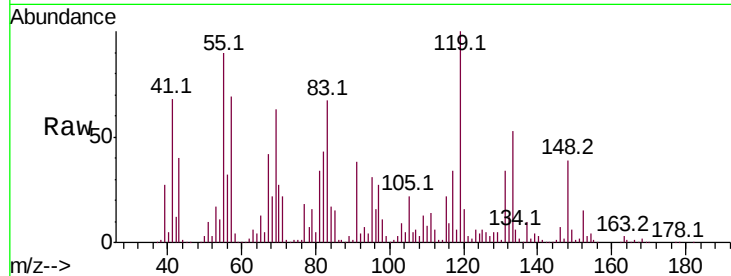




#26
2-Nitrophenol
Concen: 9.849 ng
RT: 7.92 min Scan# 950
Delta R.T. 0.05 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
139	100		
109	322.2	22.7	34.1#
65	314.5	40.5	60.7#

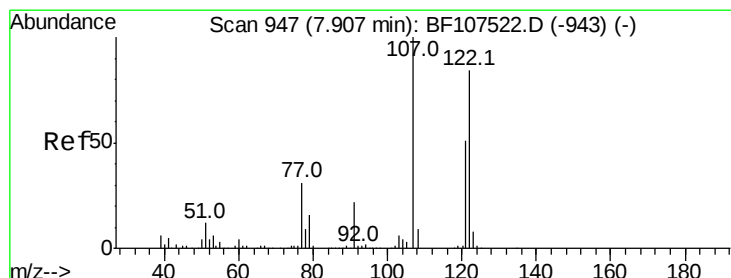
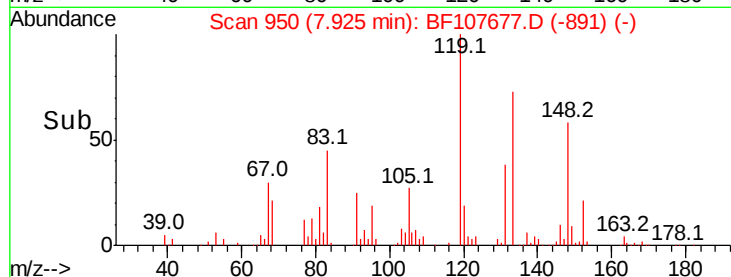
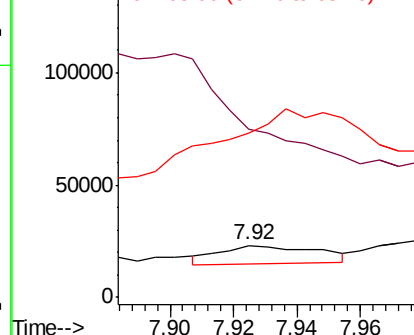


Abundance

Ion 139.00 (138.70 to 139.70): E

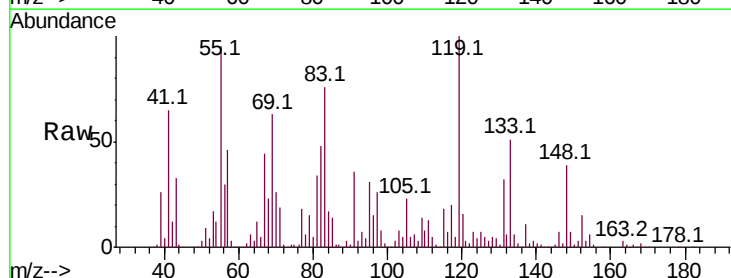
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#27
2,4-Dimethylphenol
Concen: 5.710 ng
RT: 7.92 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion	Ratio	Lower	Upper
122	100		
107	246.9	91.2	136.8#
121	130.0	47.2	70.8#

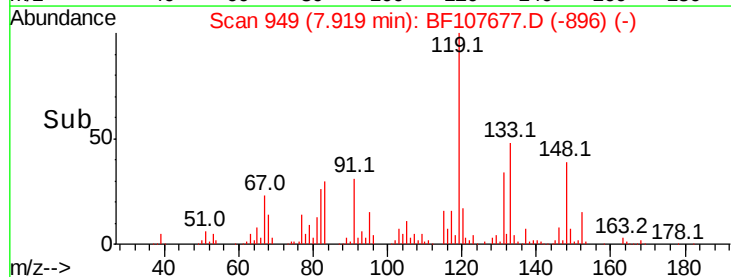
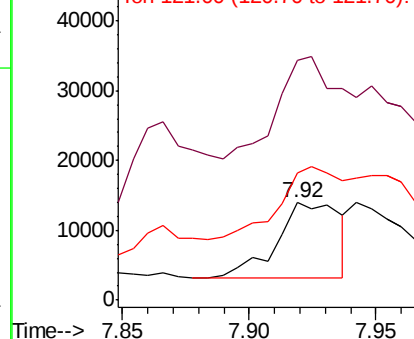


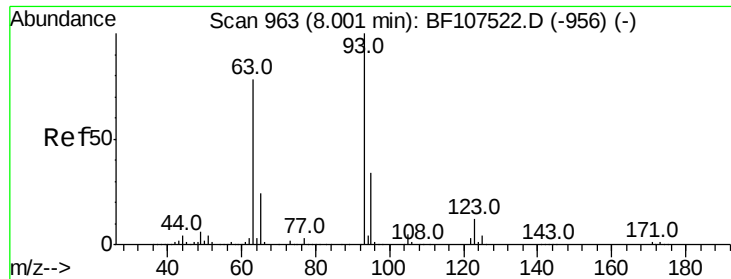
Abundance

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

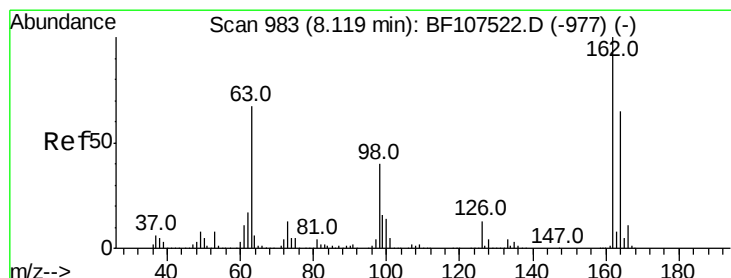
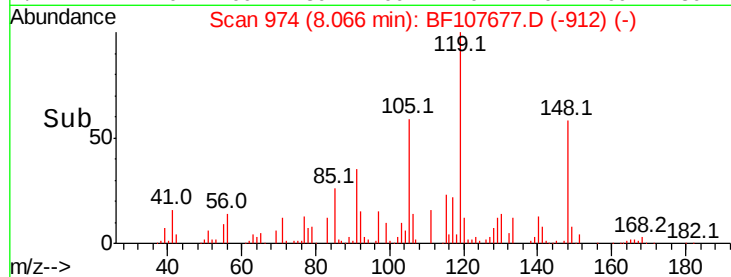
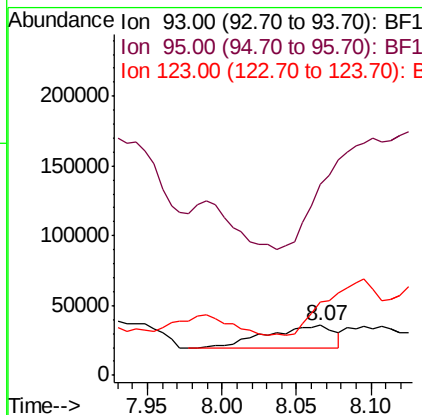
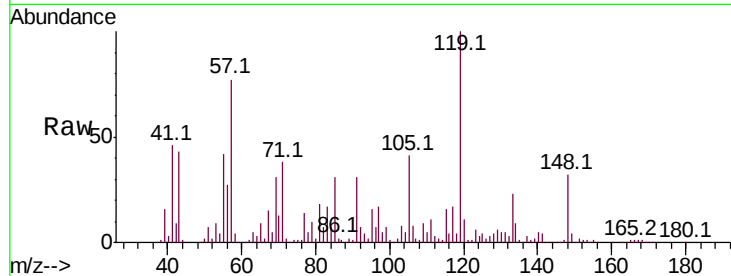




#28
bis(2-Chloroethoxy)methane
Concen: 10.520 ng
RT: 8.07 min Scan# 974
Delta R.T. 0.06 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

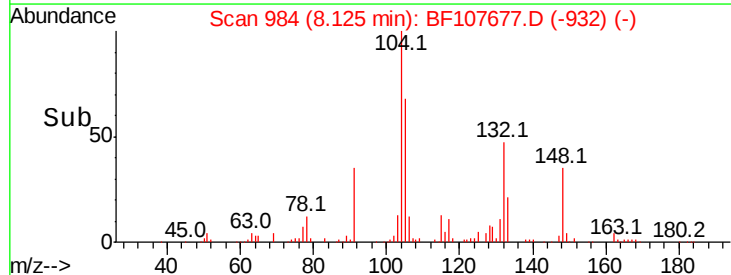
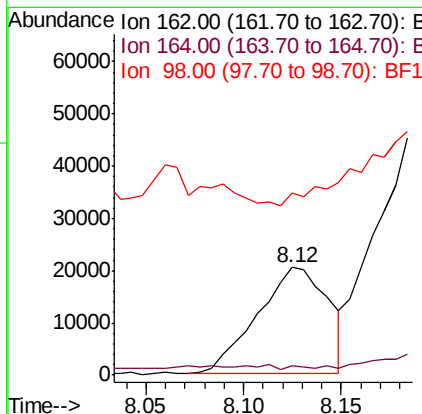
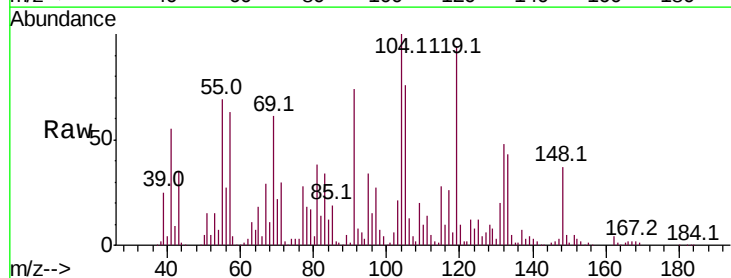
Instrument :
BNA_F
ClientSampled :

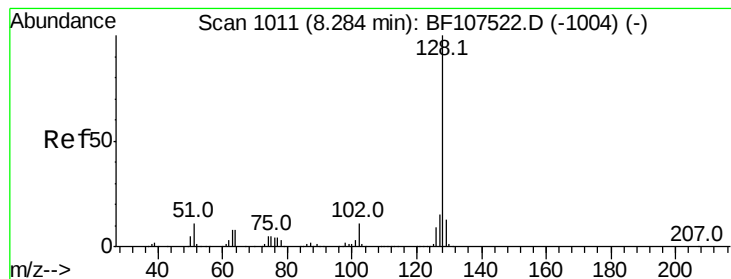
Tot Ion: 93 Resp: 54293
Ion Ratio Lower Upper
93 100
95 382.7 26.3 39.5#
123 147.7 9.8 14.6#



#29
2,4-Dichlorophenol
Concen: 15.035 ng
RT: 8.12 min Scan# 984
Delta R.T. 0.01 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion: 162 Resp: 50887
Ion Ratio Lower Upper
162 100
164 8.7 42.7 82.7#
98 169.5 18.1 58.1#





#31

Naphthalene

Concen: 326.481 ng

RT: 8.33 min Scan# 1019

Delta R.T. 0.05 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

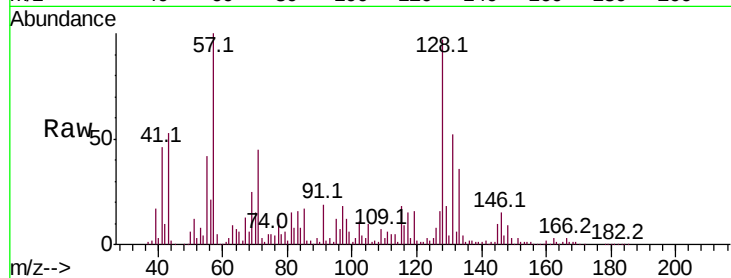
Tot Ion:128 Resp: 3504293

Ion Ratio Lower Upper

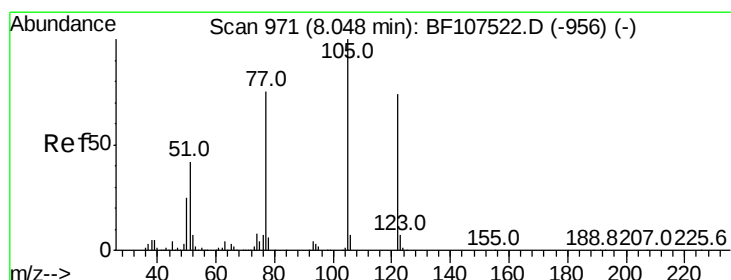
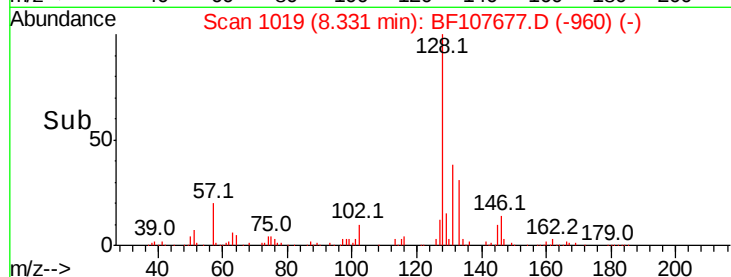
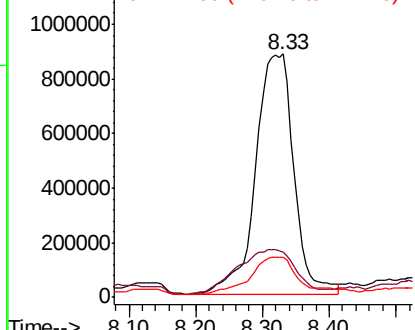
128 100

129 18.4 8.8 13.2#

127 16.3 10.9 16.3



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: 17.344 ng

RT: 8.08 min Scan# 977

Delta R.T. 0.04 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

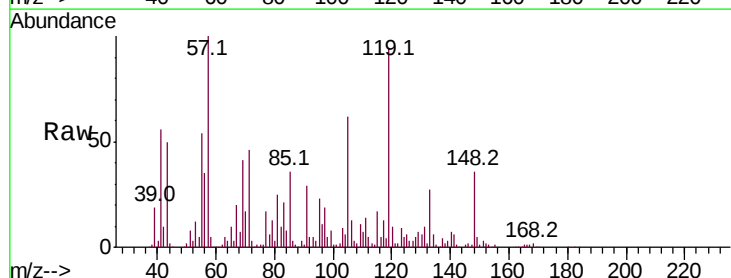
Tgt Ion:122 Resp: 26133

Ion Ratio Lower Upper

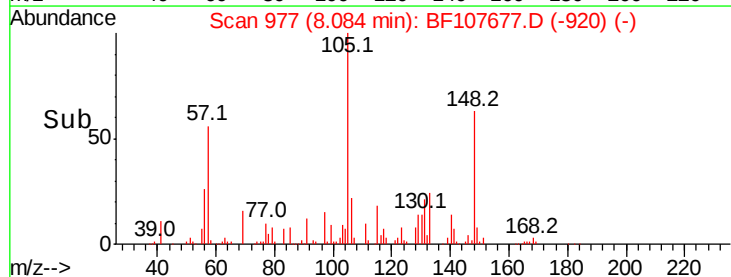
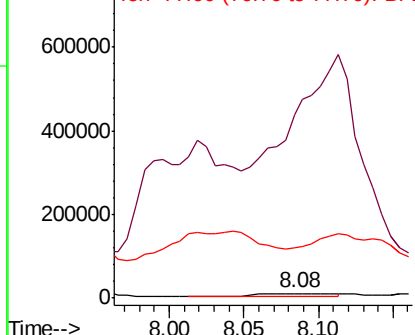
122 100

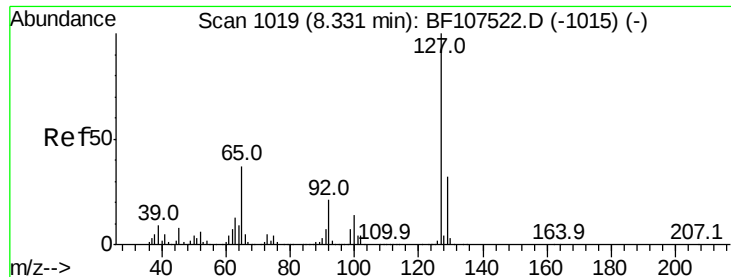
105 3942.1 101.1 141.1#

77 1075.4 70.7 110.7#



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

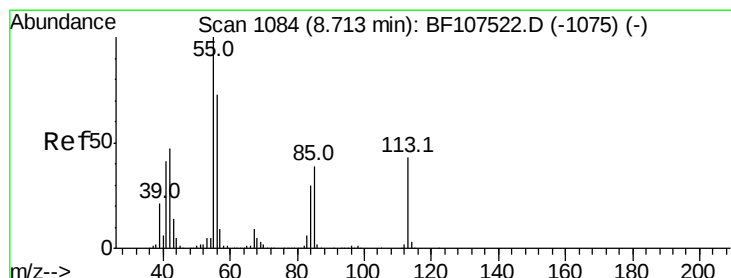
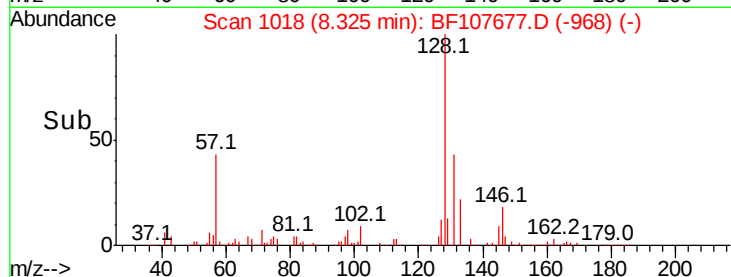
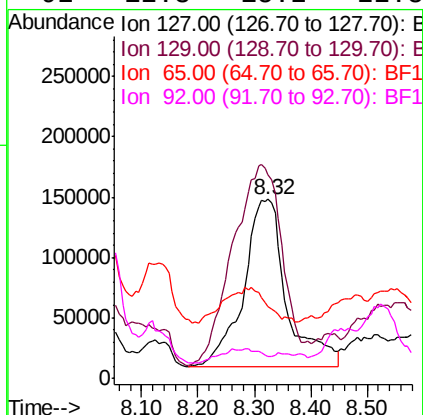
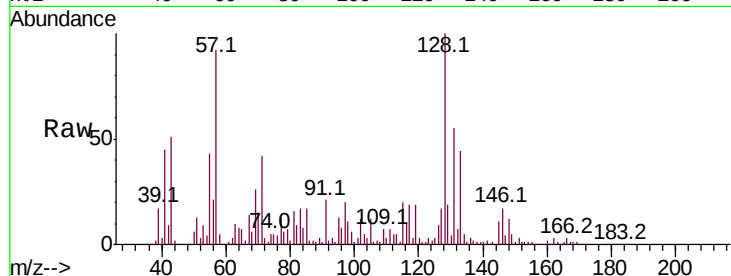




#33
4-Chloroaniline
Concen: 154.424 ng
RT: 8.32 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

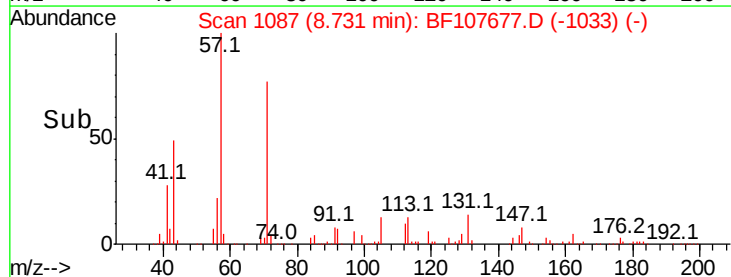
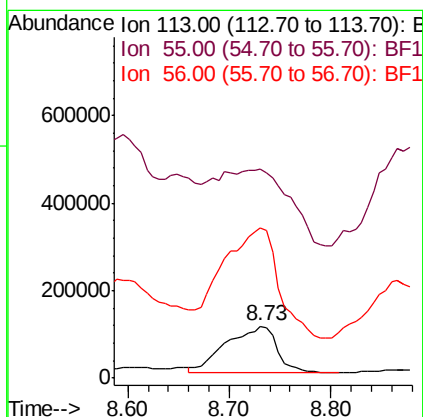
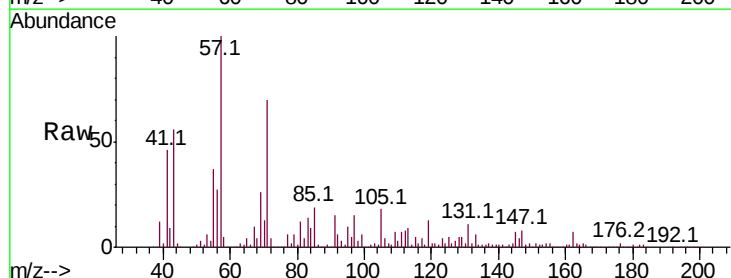
Instrument :
BNA_F
ClientSampleId :

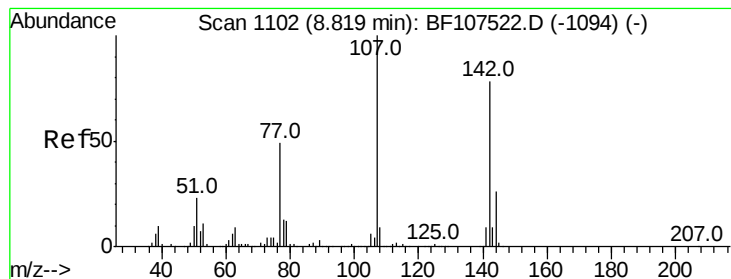
Tot Ion	Ratio	Lower	Upper
127	100		
129	114.1	25.9	38.9#
65	39.8	25.0	37.4#
92	12.3	15.2	22.8#



#35
Caprolactam
Concen: 340.702 ng
RT: 8.73 min Scan# 1087
Delta R.T. 0.02 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion	Ratio	Lower	Upper
113	100		
55	401.9	163.3	203.3#
56	289.0	115.7	155.7#





#36

4-Chloro-3-methylphenol

Concen: 3.626 ng

RT: 8.85 min Scan# 1108

Delta R.T. 0.04 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampled :

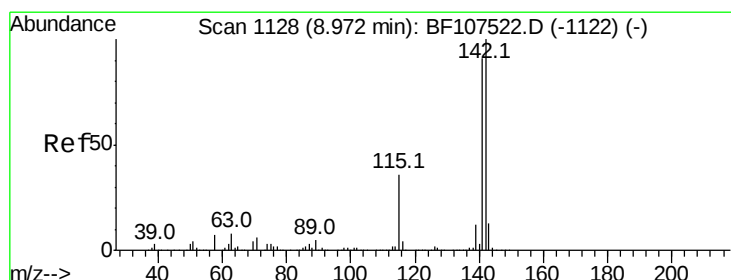
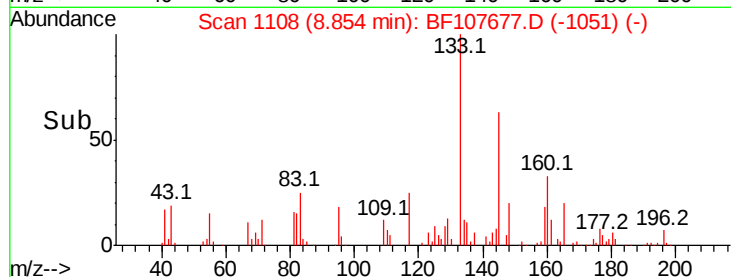
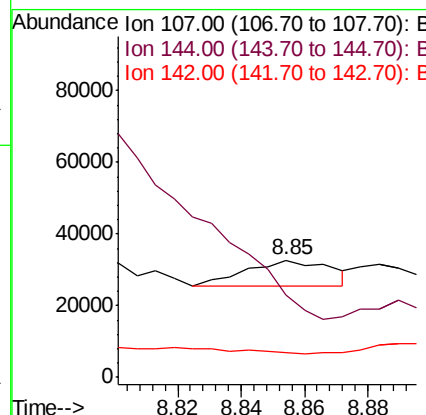
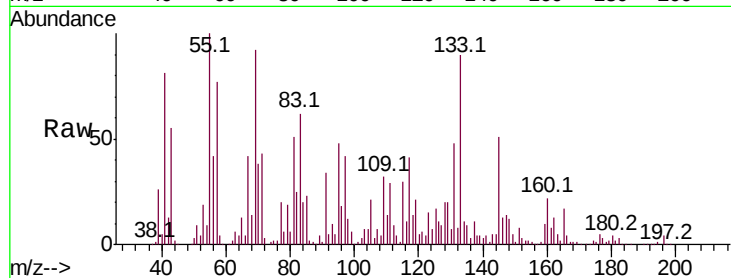
Tot Ion:107 Resp: 13632

Ion Ratio Lower Upper

107 100

144 70.5 20.5 30.7#

142 20.9 62.0 93.0#



#37

2-Methylnaphthalene

Concen: 786.466 ng

RT: 9.04 min Scan# 1140

Delta R.T. 0.07 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

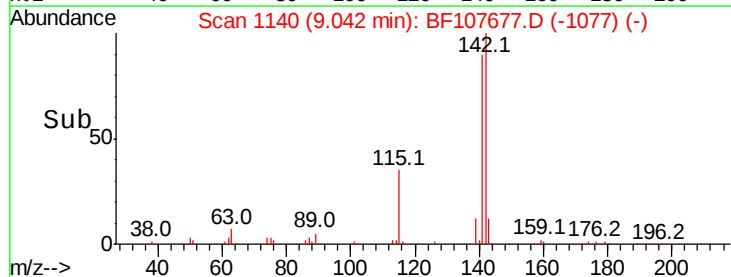
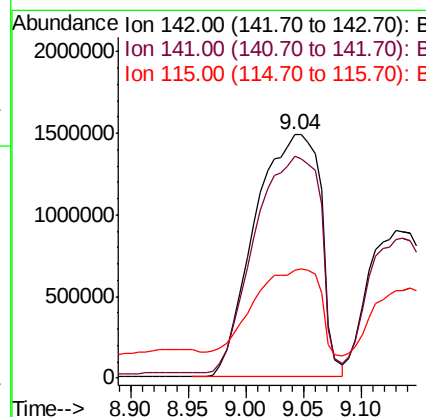
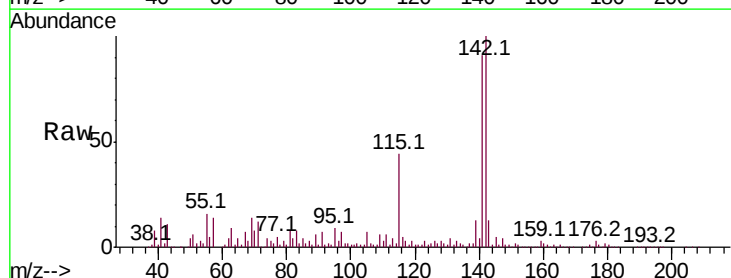
Tgt Ion:142 Resp: 5849654

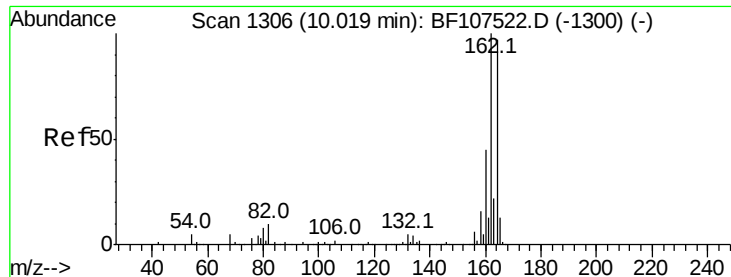
Ion Ratio Lower Upper

142 100

141 91.0 70.8 106.2

115 44.4 26.1 39.1#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.09 min Scan# 1318

Delta R.T. 0.07 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampled :

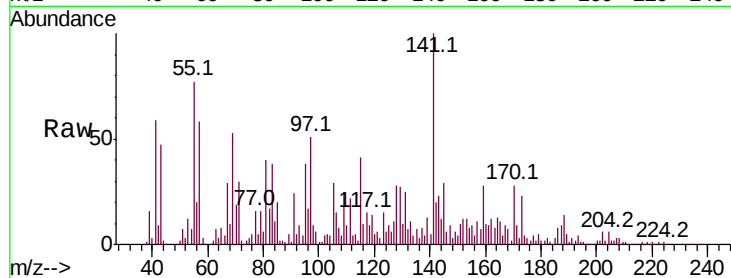
Tot Ion:164 Resp: 117953

Ion Ratio Lower Upper

164 100

162 93.6 86.1 129.1

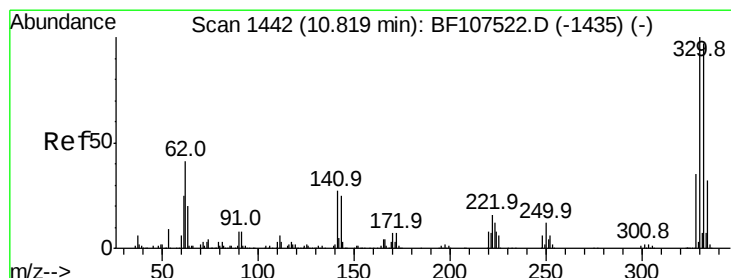
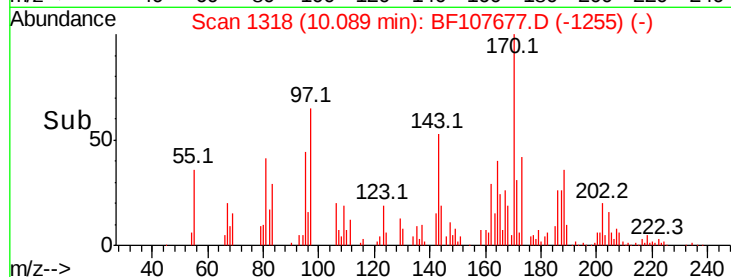
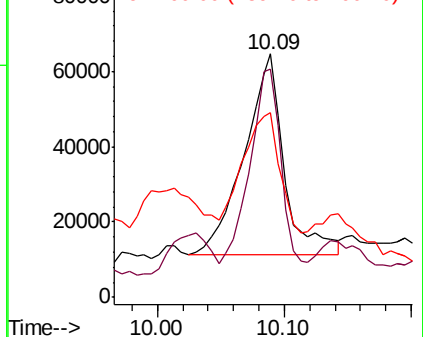
160 75.9 38.3 57.5#



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 114.084 ng

RT: 10.88 min Scan# 1452

Delta R.T. 0.06 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

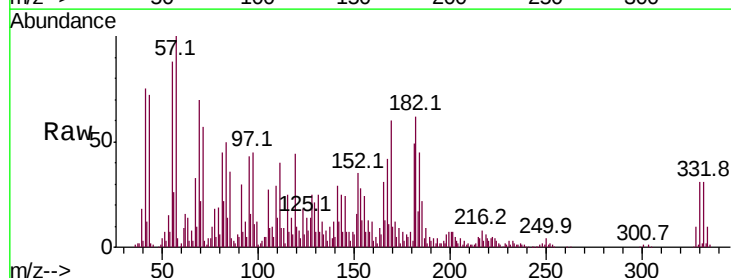
Tgt Ion:330 Resp: 153022

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

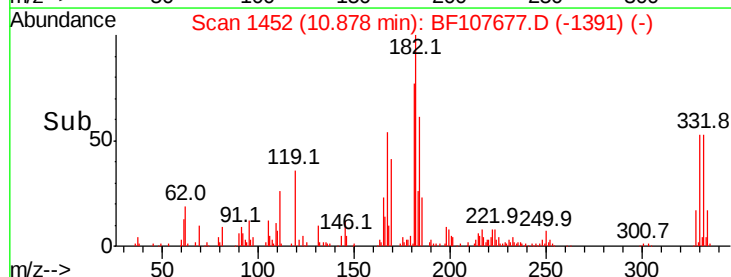
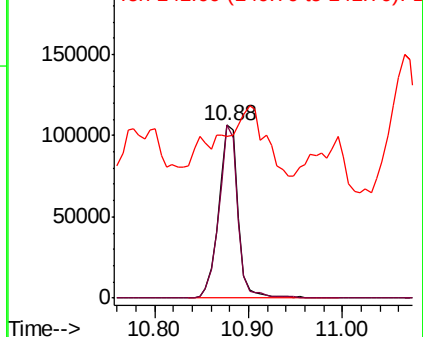
141 0.0 29.9 44.9#

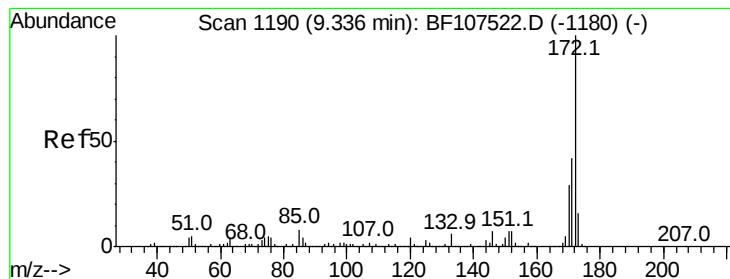


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

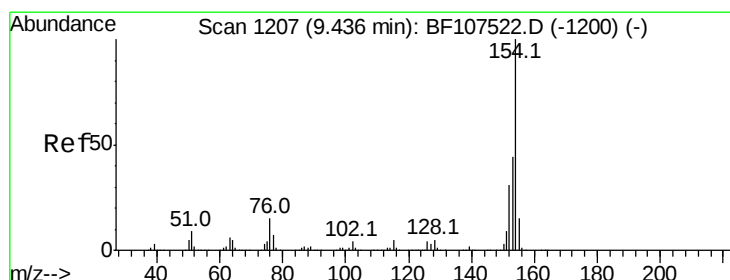
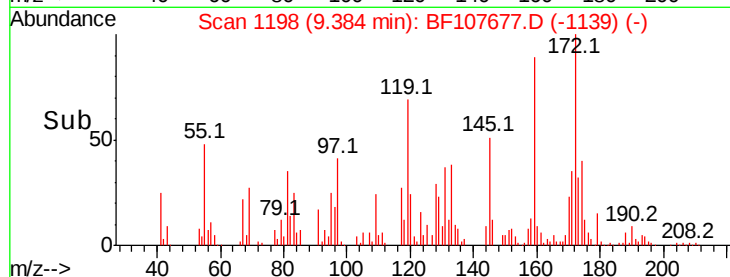
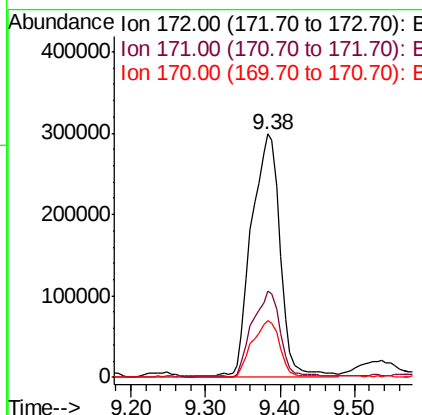
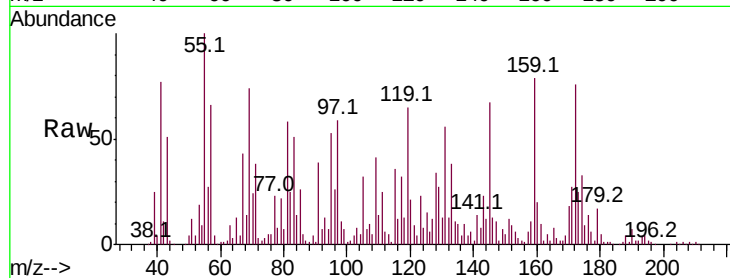




#44
 2-Fluorobiphenyl
 Concen: 135.086 ng
 RT: 9.38 min Scan# 1198
 Delta R.T. 0.05 min
 Lab File: BF107677.D
 Acq: 26 Jul 2018 1:27

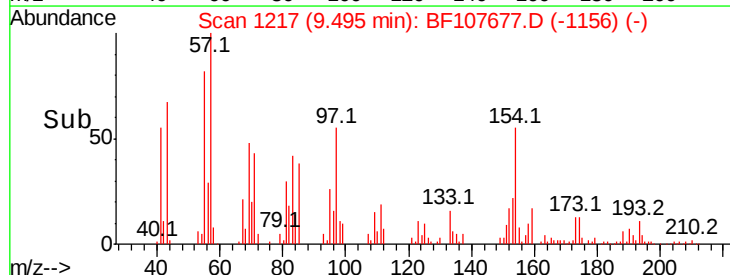
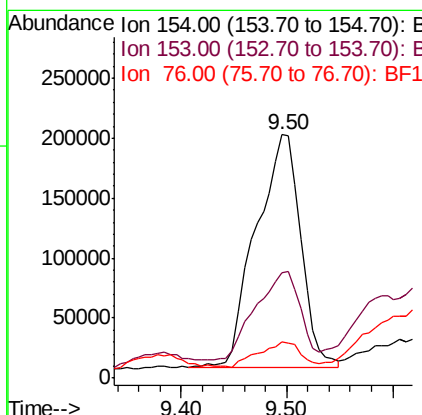
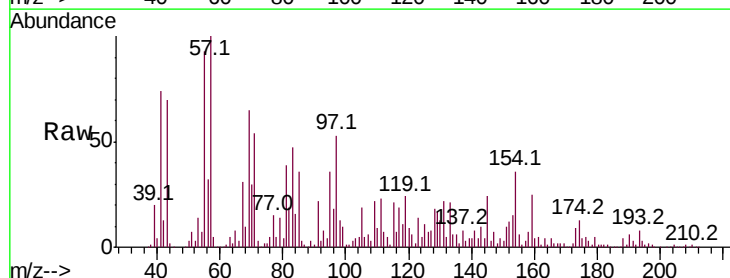
Instrument :
 BNA_F
 ClientSampleId :

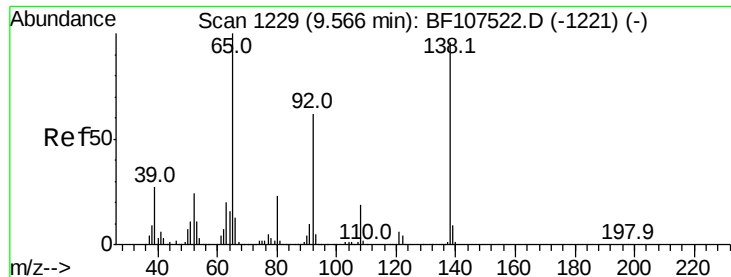
Tot Ion:172 Resp: 793357
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.1 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 55.320 ng
 RT: 9.50 min Scan# 1217
 Delta R.T. 0.06 min
 Lab File: BF107677.D
 Acq: 26 Jul 2018 1:27

Tgt Ion:154 Resp: 568413
 Ion Ratio Lower Upper
 154 100
 153 43.3 21.3 61.3
 76 15.0 0.0 34.0





#47

2-Nitroaniline

Concen: 40.787 ng

RT: 9.57 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampled :

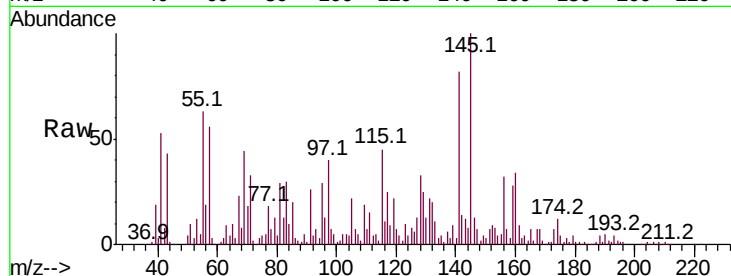
Tot Ion: 65 Resp: 93390

Ion Ratio Lower Upper

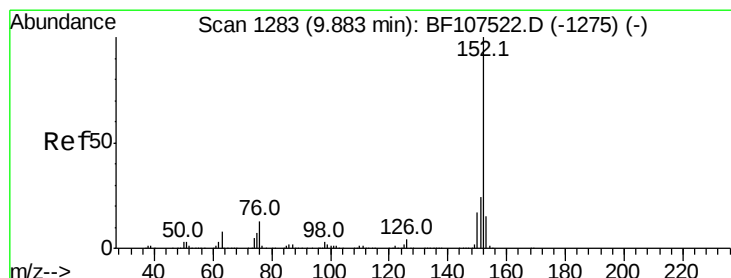
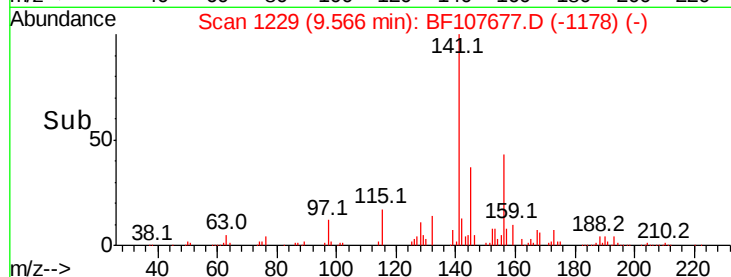
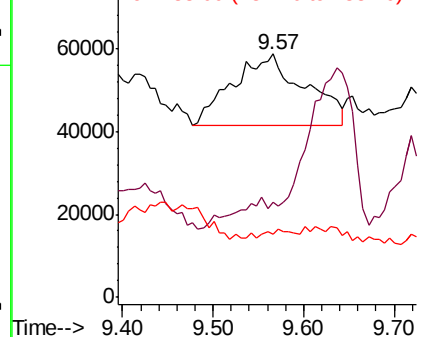
65 100

92 39.1 55.8 83.6#

138 25.7 91.2 136.8#



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): BF1



#48

Acenaphthylene

Concen: 14.315 ng

RT: 9.96 min Scan# 1296

Delta R.T. 0.08 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

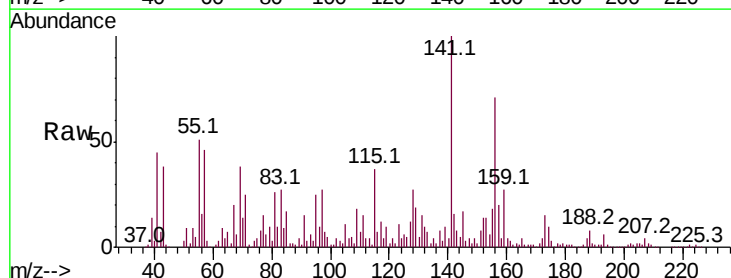
Tgt Ion: 152 Resp: 168892

Ion Ratio Lower Upper

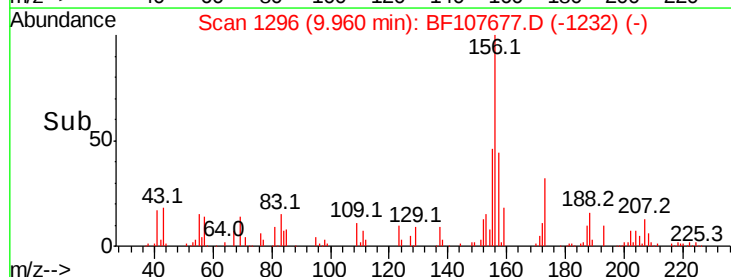
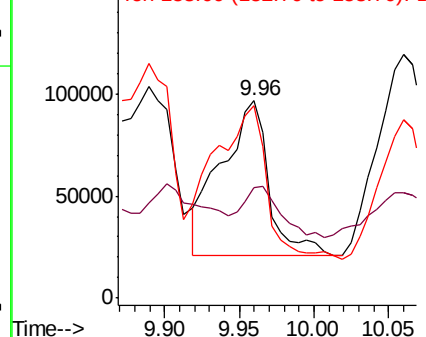
152 100

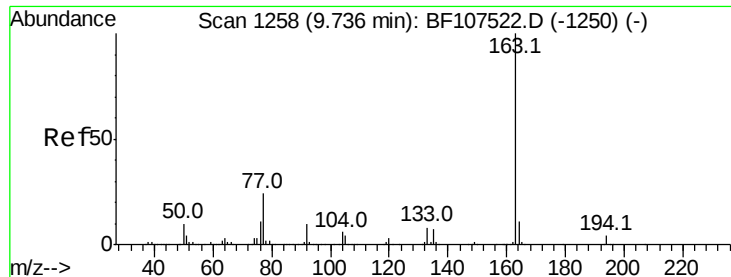
151 56.3 16.3 24.5#

153 97.8 10.7 16.1#



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

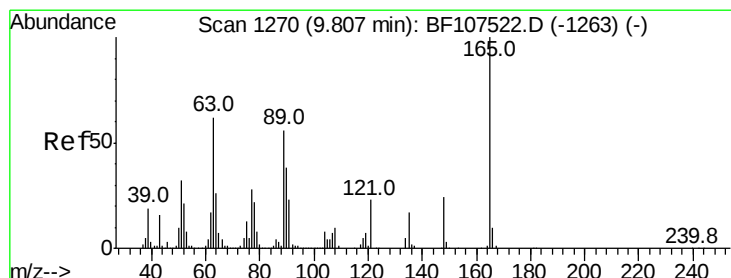
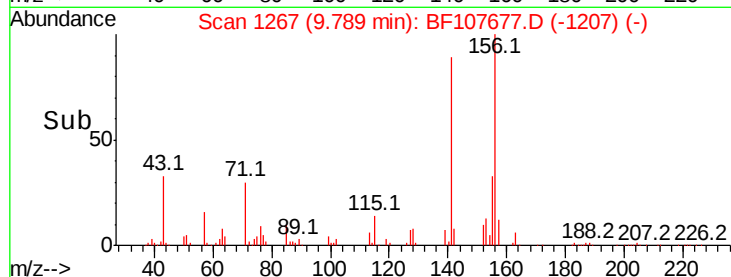
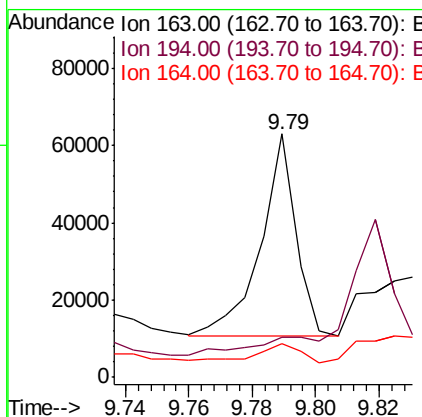
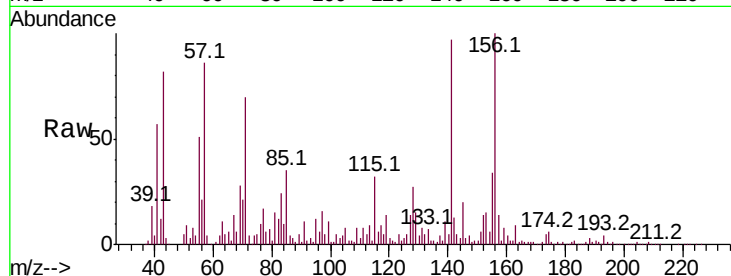




#49
Dimethylphthalate
Concen: 4.540 ng
RT: 9.79 min Scan# 1267
Delta R.T. 0.05 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

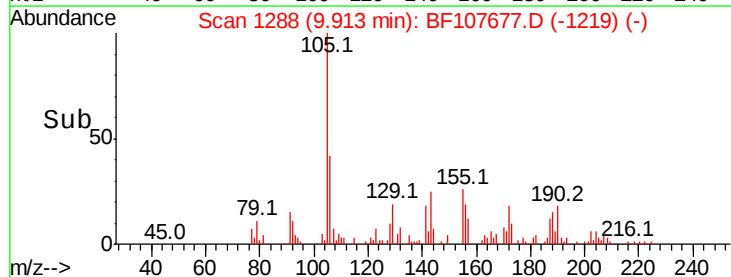
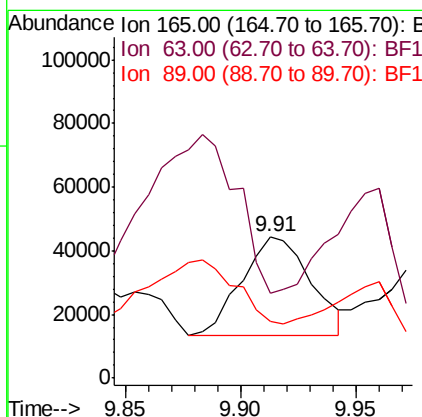
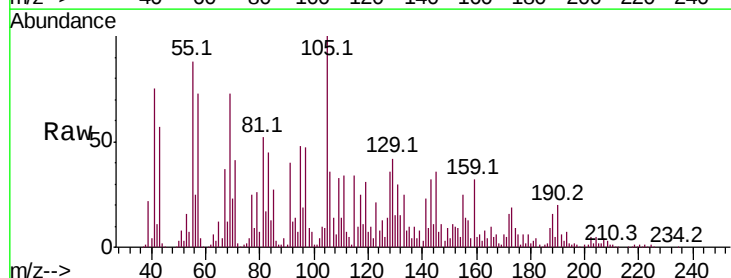
Instrument :
BNA_F
ClientSampleId :

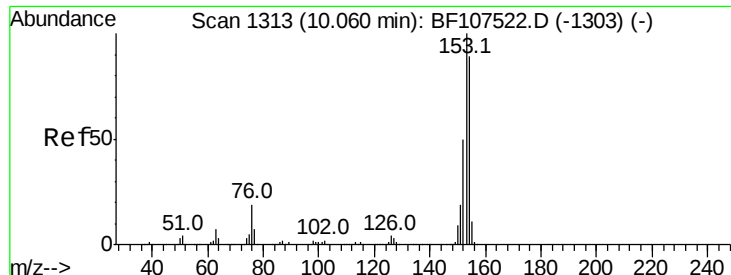
Tot Ion:163 Resp: 40361
Ion Ratio Lower Upper
163 100
194 16.5 2.7 4.1#
164 14.0 8.2 12.2#



#50
2,6-Dinitrotoluene
Concen: 36.350 ng
RT: 9.91 min Scan# 1288
Delta R.T. 0.11 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:165 Resp: 64157
Ion Ratio Lower Upper
165 100
63 60.4 44.7 67.1
89 39.8 44.0 66.0#





#51

Acenaphthene

Concen: 51.109 ng

RT: 10.12 min Scan# 1324

Delta R.T. 0.06 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampled :

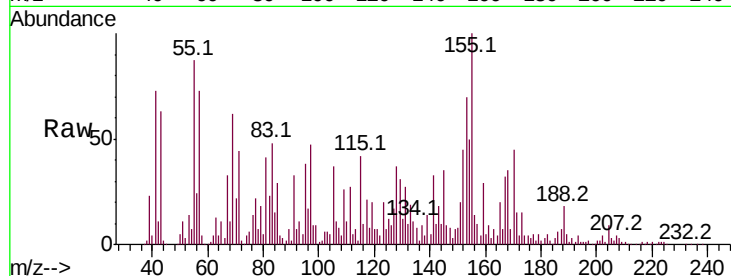
Tot Ion:154 Resp: 377810

Ion Ratio Lower Upper

154 100

153 141.5 91.2 136.8#

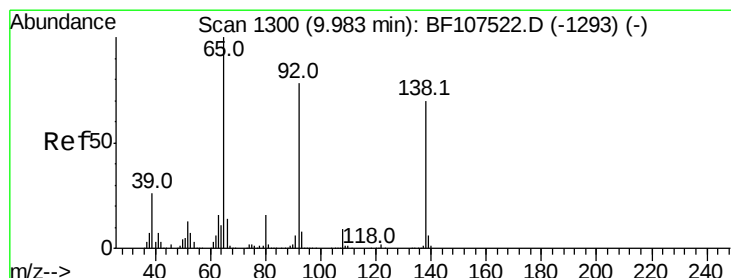
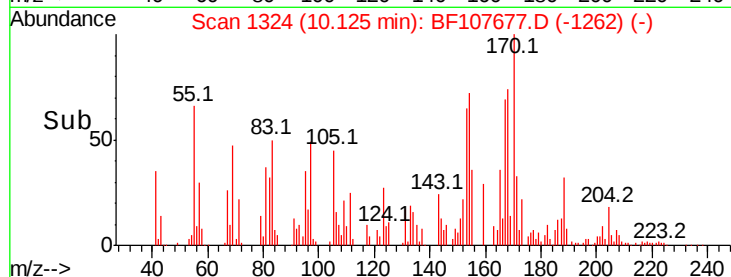
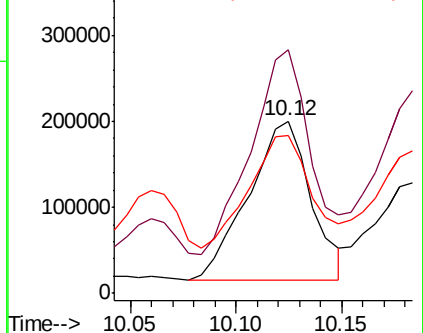
152 91.4 43.8 65.8#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 7.533 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.05 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

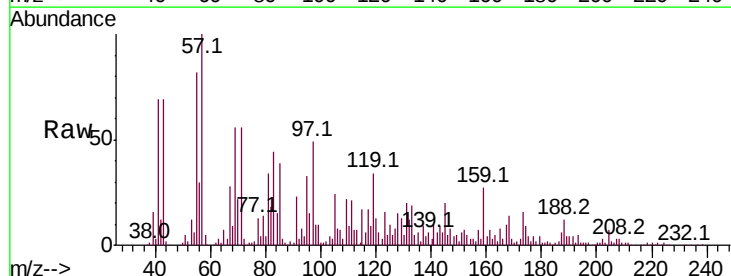
Tgt Ion:138 Resp: 16174

Ion Ratio Lower Upper

138 100

108 77.4 9.4 14.0#

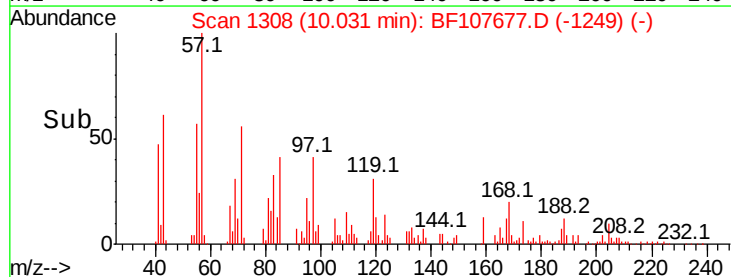
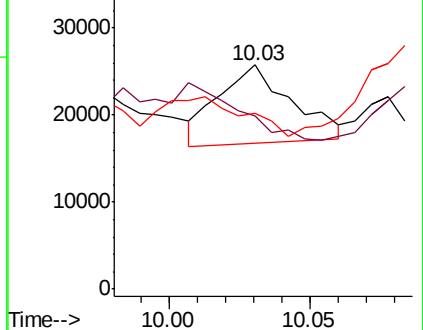
92 78.3 89.4 134.2#

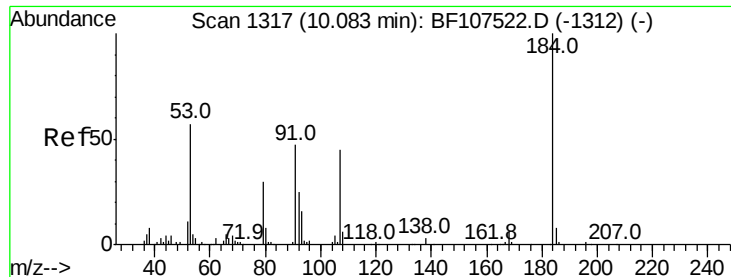


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#53

2,4-Dinitrophenol

Concen: 15.117 ng

RT: 10.29 min Scan# 1352

Delta R.T. 0.21 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

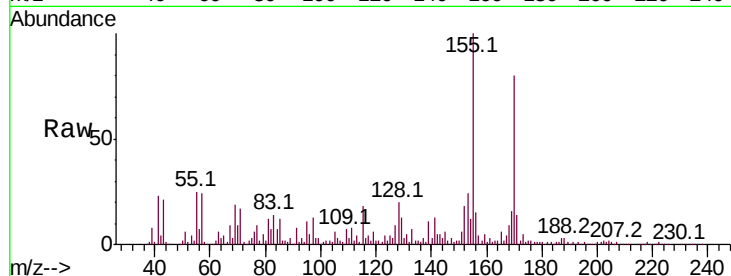
Tot Ion:184 Resp: 4307

Ion Ratio Lower Upper

184 100

63 1728.9 54.2 81.2#

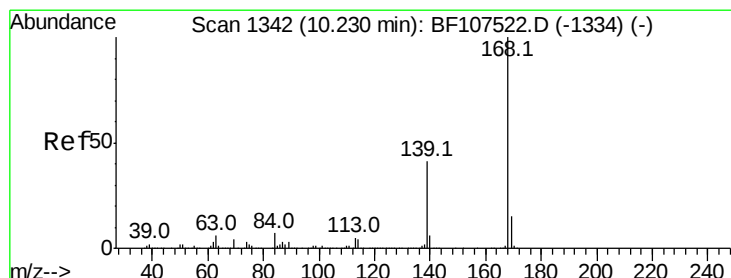
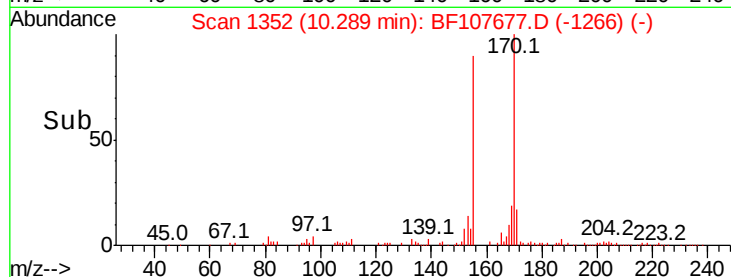
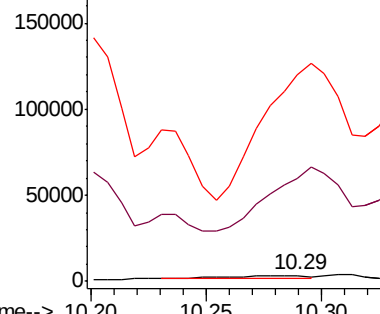
154 3488.9 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 15.129 ng

RT: 10.30 min Scan# 1353

Delta R.T. 0.07 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

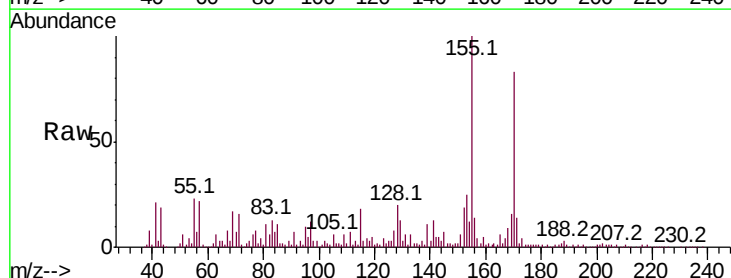
Tgt Ion:168 Resp: 164651

Ion Ratio Lower Upper

168 100

139 121.2 30.1 45.1#

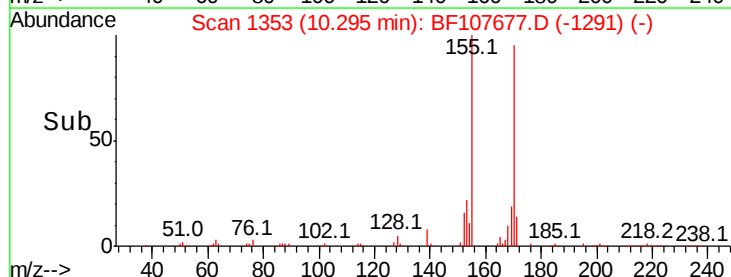
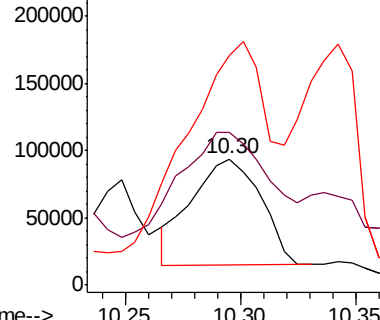
169 181.3 10.9 16.3#

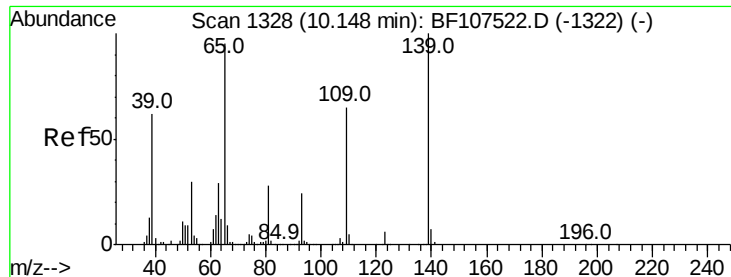


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

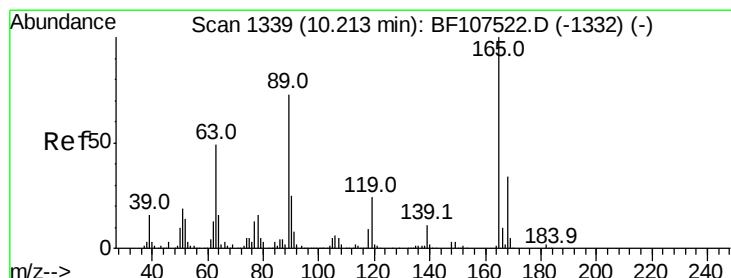
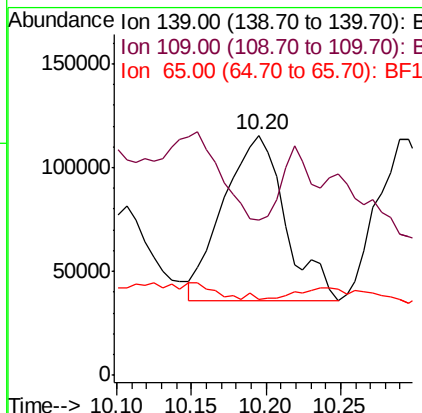
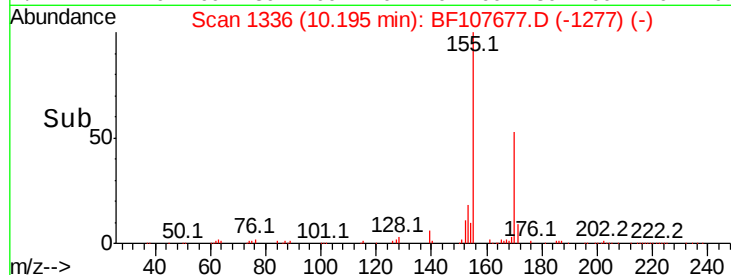
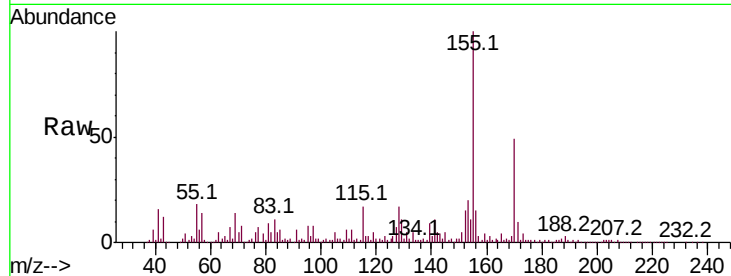




#55
4-Nitrophenol
Concen: 142.603 ng
RT: 10.20 min Scan# 1336
Delta R.T. 0.05 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

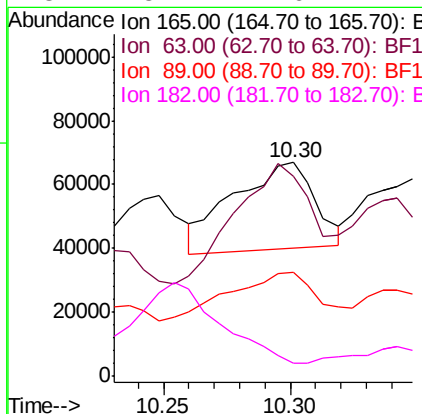
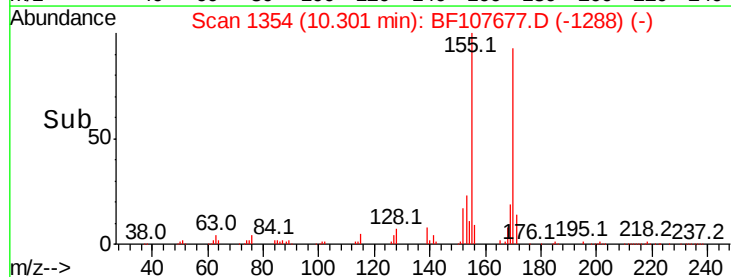
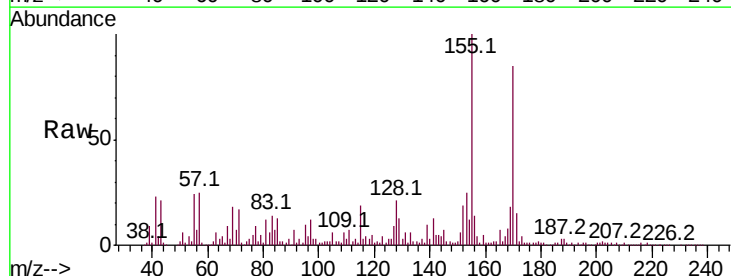
Instrument :
BNA_F
ClientSampleId :

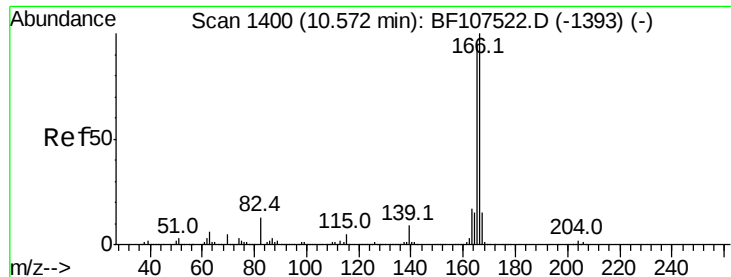
Tot Ion:139 Resp: 229248
Ion Ratio Lower Upper
139 100
109 64.7 48.4 88.4
65 31.7 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 28.855 ng
RT: 10.30 min Scan# 1354
Delta R.T. 0.09 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:165 Resp: 61474
Ion Ratio Lower Upper
165 100
63 93.2 36.4 54.6#
89 48.6 57.8 86.6#
182 5.7 1.6 2.4#





#57

Fluorene

Concen: 74.477 ng

RT: 10.64 min Scan# 1411

Delta R.T. 0.07 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

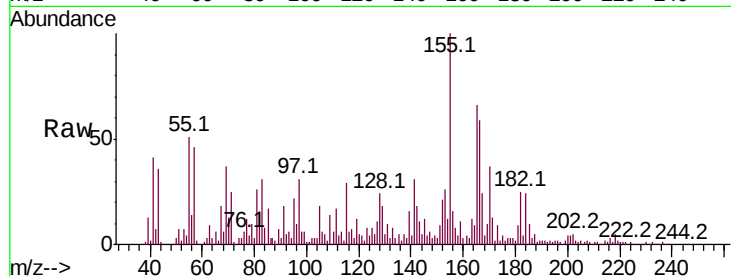
Tot Ion:166 Resp: 578239

Ion Ratio Lower Upper

166 100

165 111.7 79.8 119.8

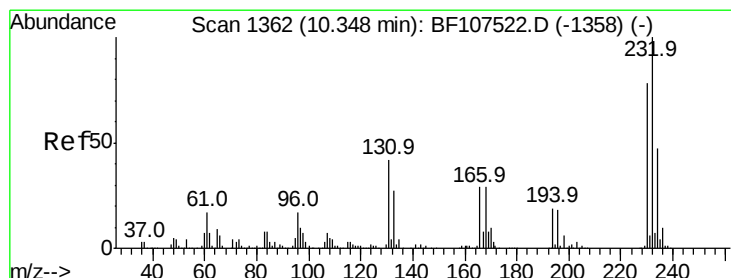
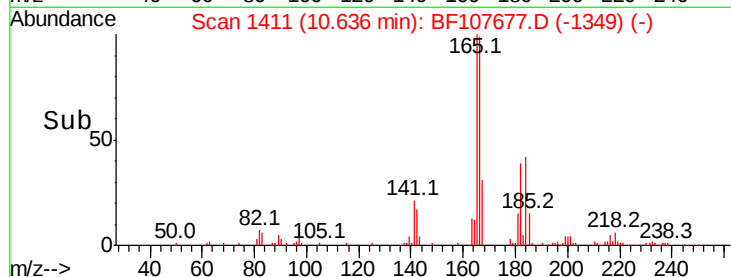
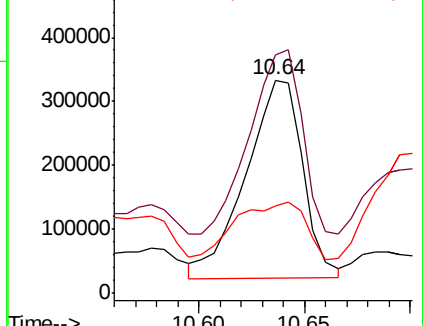
167 41.2 10.6 16.0#



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



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.200 ng

RT: 10.38 min Scan# 1367

Delta R.T. 0.03 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Tgt Ion:232 Resp: 9199

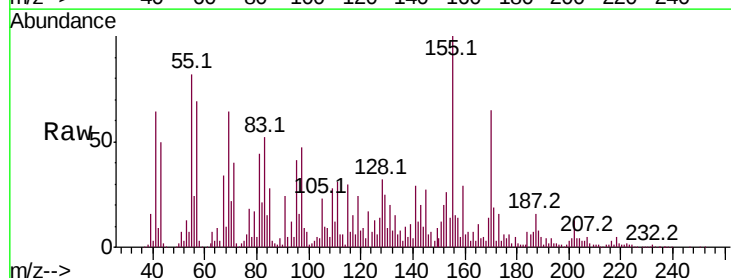
Ion Ratio Lower Upper

232 100

131 0.0 43.8 65.8#

130 0.0 2.1 3.1#

166 0.0 27.8 41.6#

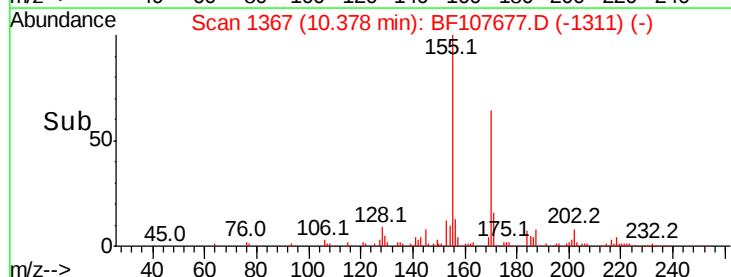
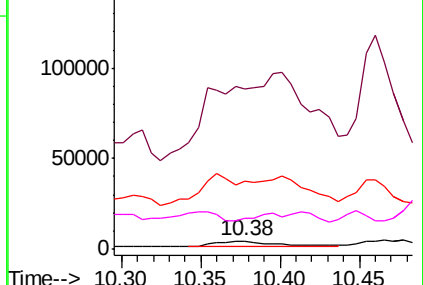


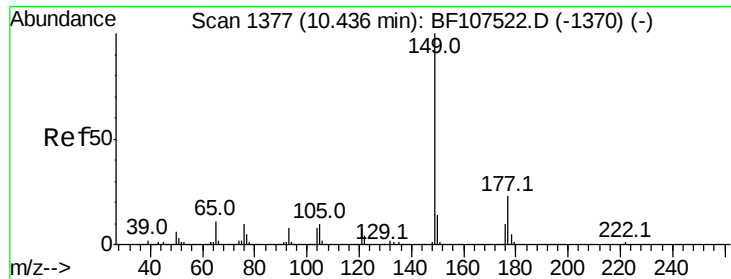
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

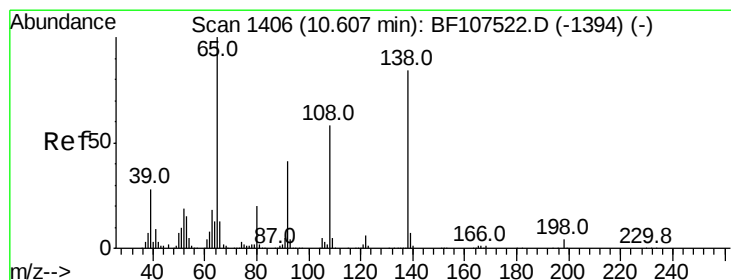
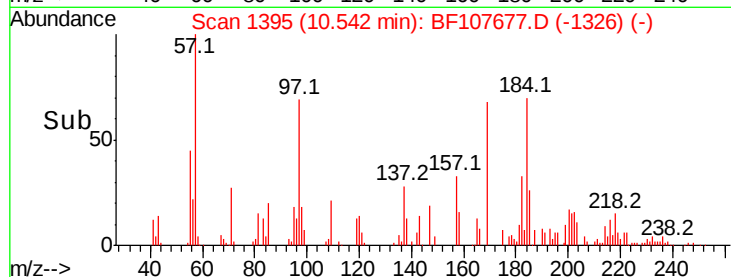
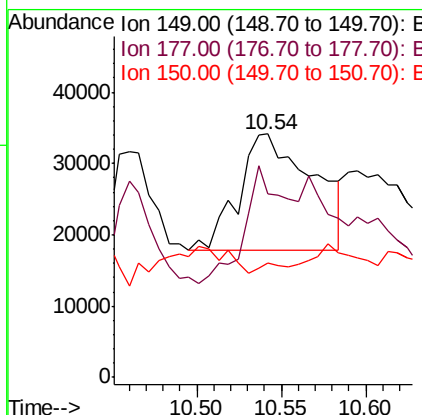
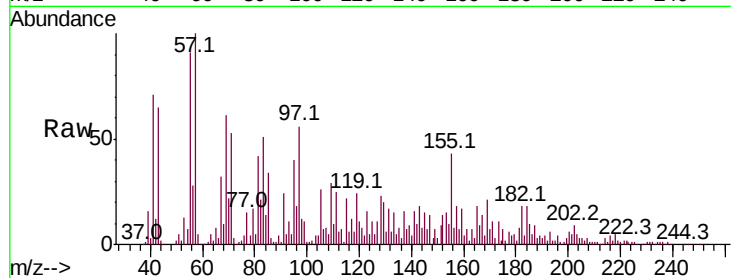




#59
Diethylphthalate
Concen: 5.390 ng
RT: 10.54 min Scan# 1395
Delta R.T. 0.11 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

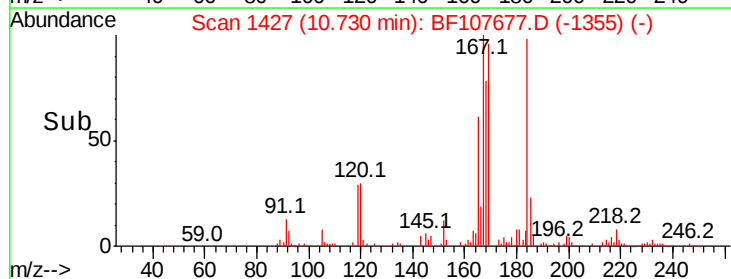
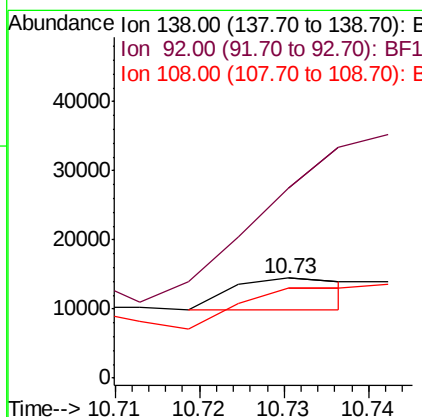
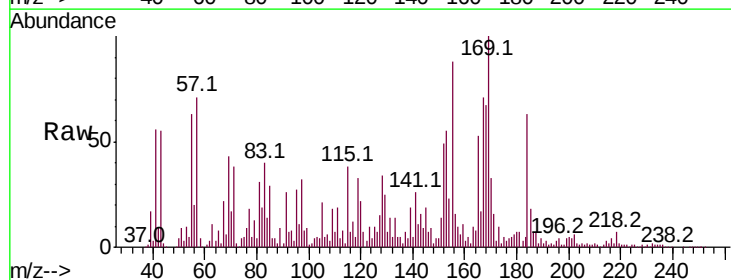
Instrument :
BNA_F
ClientSampleId :

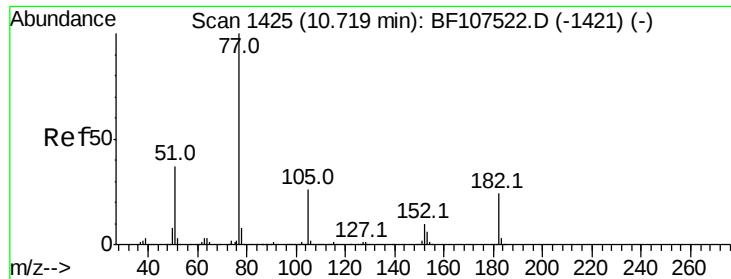
Tot Ion:149 Resp: 50039
Ion Ratio Lower Upper
149 100
177 75.2 16.1 24.1#
150 46.9 10.1 15.1#



#61
4-Nitroaniline
Concen: 2.357 ng
RT: 10.73 min Scan# 1427
Delta R.T. 0.12 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:138 Resp: 4252
Ion Ratio Lower Upper
138 100
92 189.7 30.2 70.2#
108 90.1 52.5 92.5





#62

Azobenzene

Concen: 9.501 ng

RT: 10.78 min Scan# 1436

Delta R.T. 0.07 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 82710

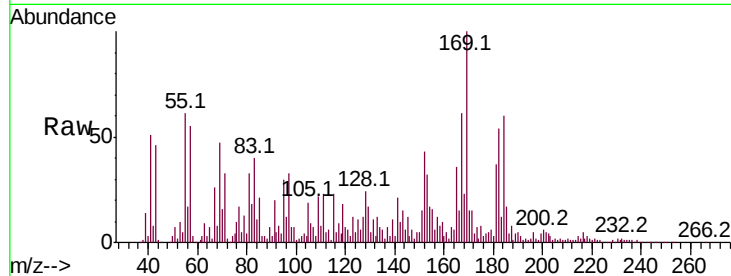
Ion Ratio Lower Upper

77 100

182 311.6 1.7 41.7#

105 108.6 3.0 43.0#

51 42.0 9.9 49.9

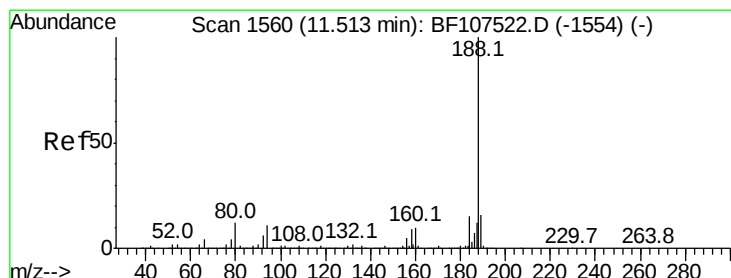
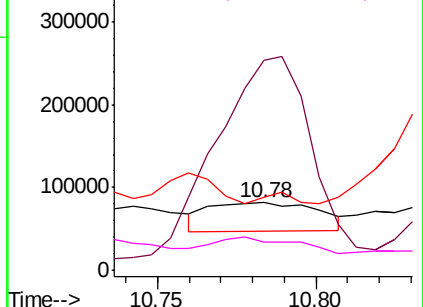
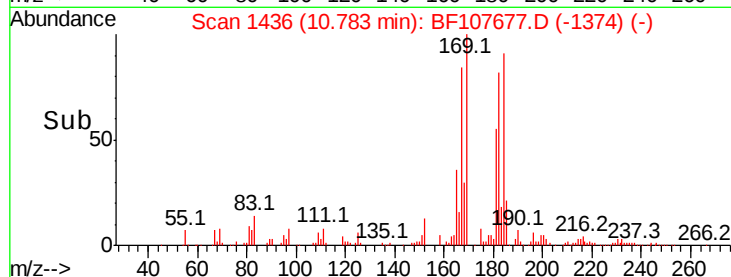


Abundance Ion 77.00 (76.70 to 77.70): BF1

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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.57 min Scan# 1569

Delta R.T. 0.05 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

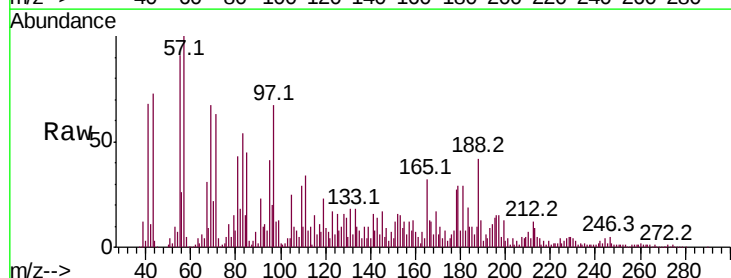
Tgt Ion: 188 Resp: 191620

Ion Ratio Lower Upper

188 100

94 19.7 8.5 12.7#

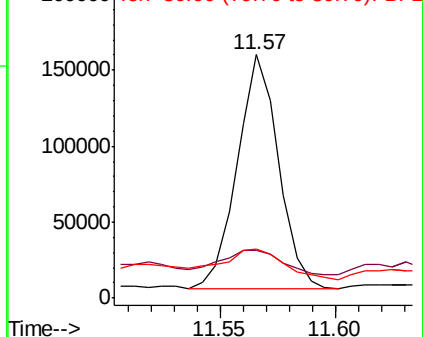
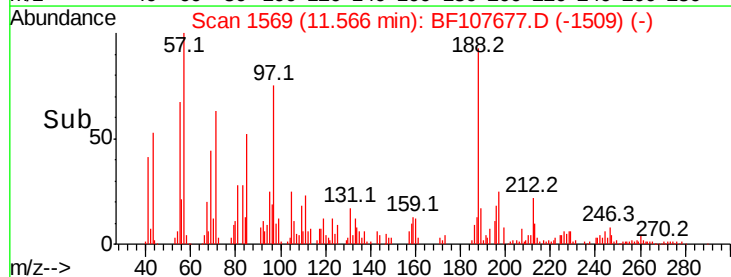
80 20.2 9.2 13.8#

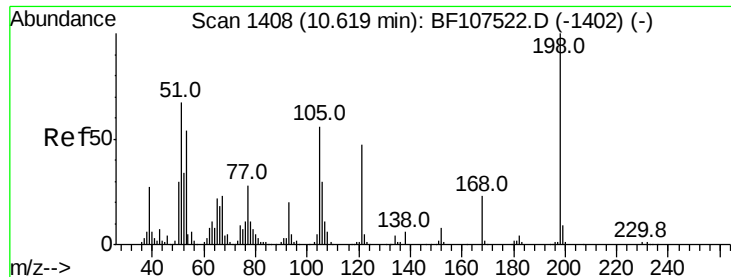


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 11.116 ng

RT: 10.70 min Scan# 1421

Delta R.T. 0.08 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

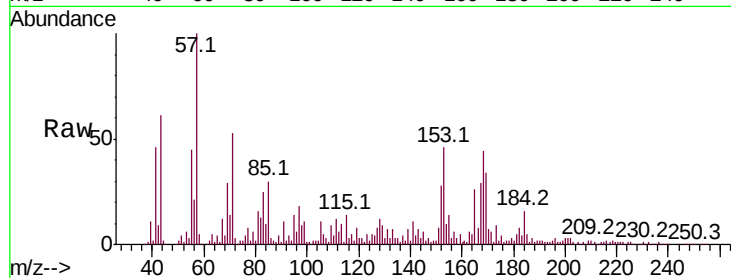
Tot Ion:198 Resp: 2750

Ion Ratio Lower Upper

198 100

51 689.9 37.7 77.7#

105 1907.6 36.3 76.3#



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

150000

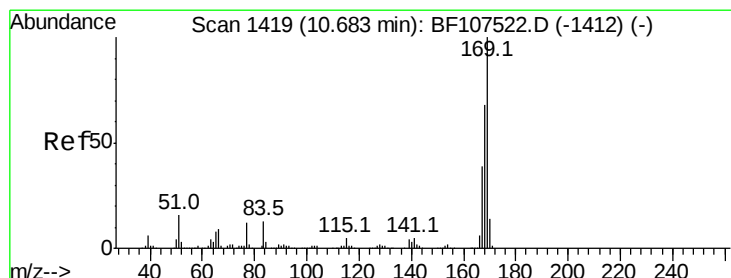
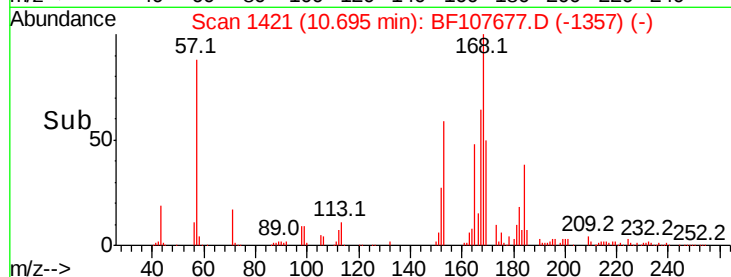
100000

50000

0

10.66 10.68 10.70 10.72

Time-->



#65

n-Nitrosodiphenylamine

Concen: 168.455 ng

RT: 10.74 min Scan# 1429

Delta R.T. 0.06 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

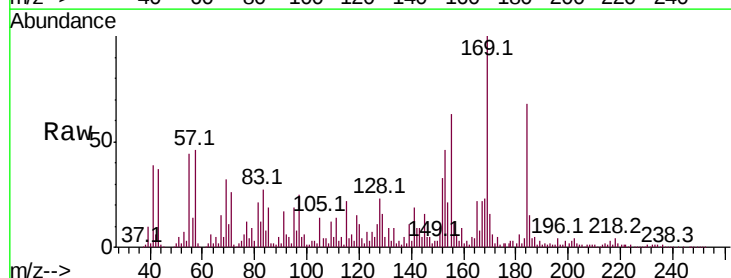
Tgt Ion:169 Resp: 1096284

Ion Ratio Lower Upper

169 100

168 23.3 54.4 81.6#

167 22.2 29.8 44.6#



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

800000

600000

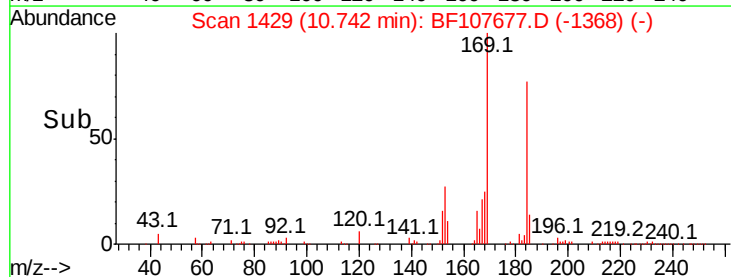
400000

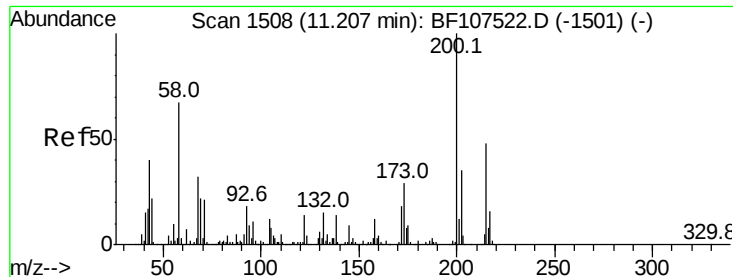
200000

0

10.70 10.75

Time-->

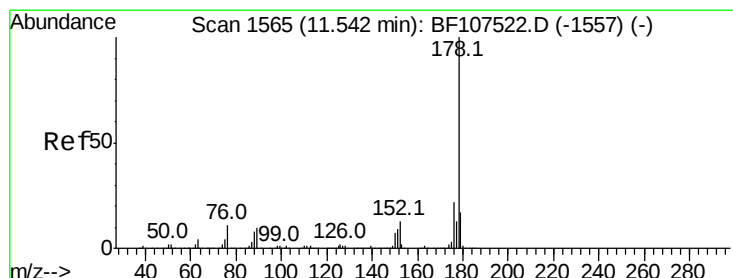
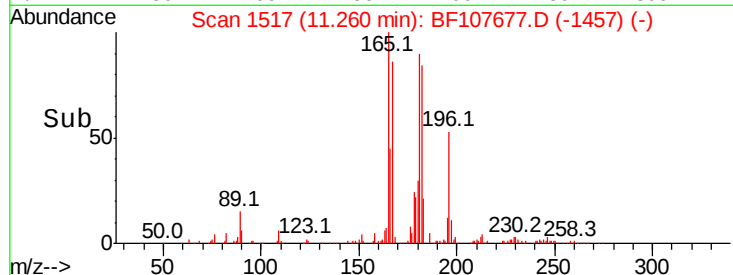
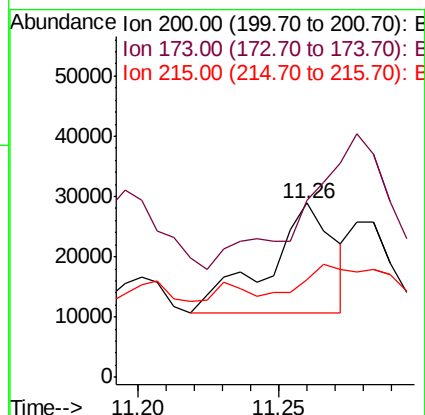
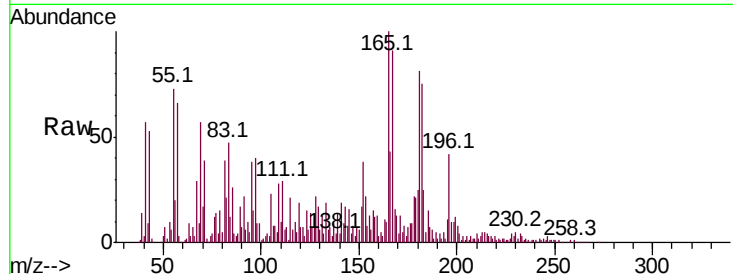




#68
Atrazine
Concen: 14.924 ng
RT: 11.26 min Scan# 1517
Delta R.T. 0.05 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

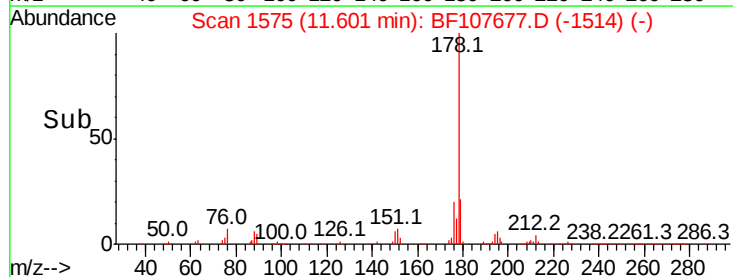
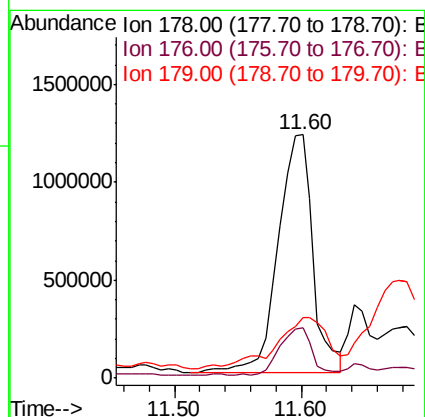
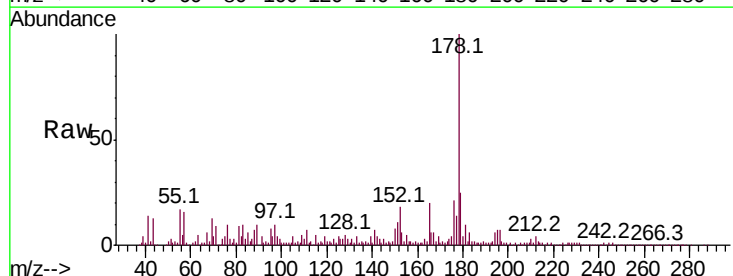
Instrument :
BNA_F
ClientSampleId :

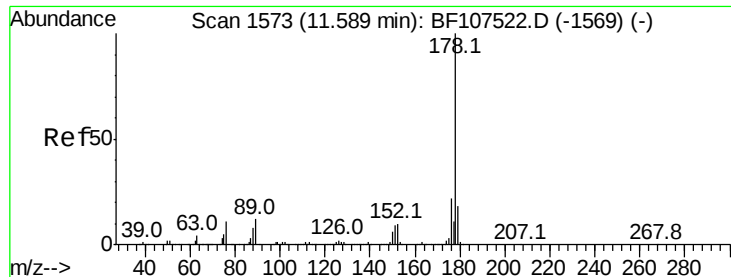
Tot Ion:200 Resp: 29654
Ion Ratio Lower Upper
200 100
173 102.1 8.6 48.6#
215 56.1 25.1 65.1



#70
Phenanthrene
Concen: 249.635 ng
RT: 11.60 min Scan# 1575
Delta R.T. 0.06 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:178 Resp: 2331012
Ion Ratio Lower Upper
178 100
176 20.7 15.8 23.8
179 25.0 13.0 19.6#

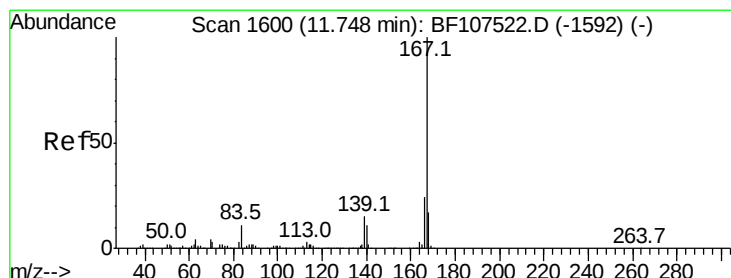
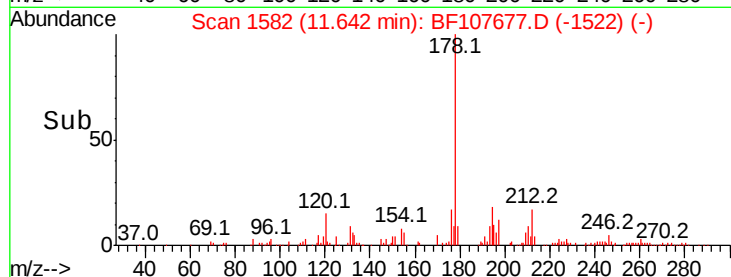
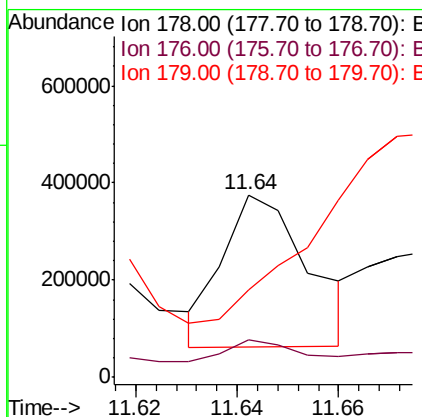
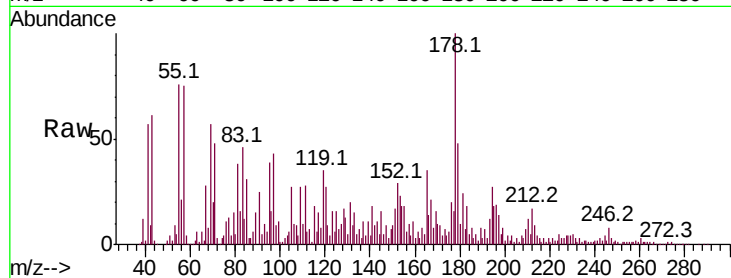




#71
 Anthracene
 Concen: 39.030 ng
 RT: 11.64 min Scan# 1582
 Delta R.T. 0.05 min
 Lab File: BF107677.D
 Acq: 26 Jul 2018 1:27

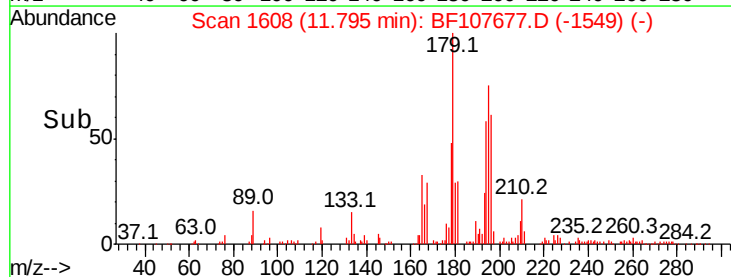
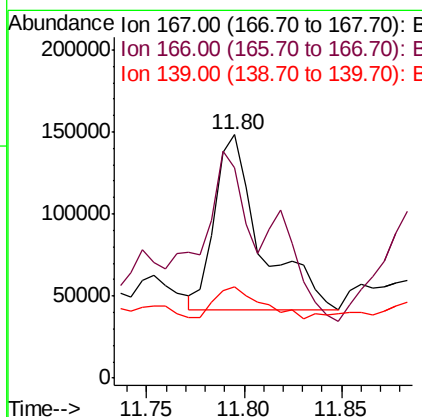
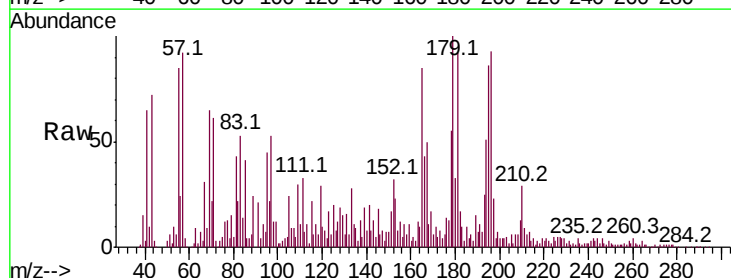
Instrument :
 BNA_F
 ClientSampleId :

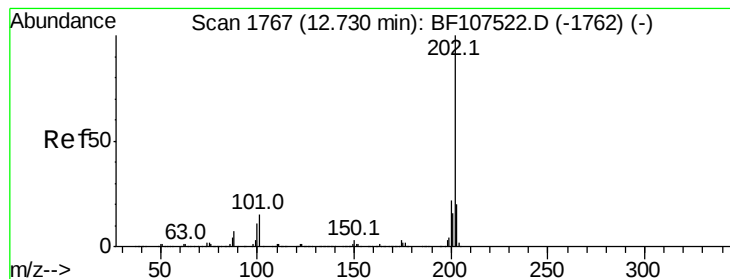
Tot Ion:178 Resp: 366948
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.4 23.2
 179 48.2 12.6 19.0#



#72
 Carbazole
 Concen: 18.044 ng
 RT: 11.80 min Scan# 1608
 Delta R.T. 0.05 min
 Lab File: BF107677.D
 Acq: 26 Jul 2018 1:27

Tgt Ion:167 Resp: 176411
 Ion Ratio Lower Upper
 167 100
 166 86.1 17.6 26.4#
 139 37.5 10.9 16.3#





#74

Fluoranthene

Concen: 23.514 ng

RT: 12.77 min Scan# 1774

Delta R.T. 0.04 min

Lab File: BF107677.D

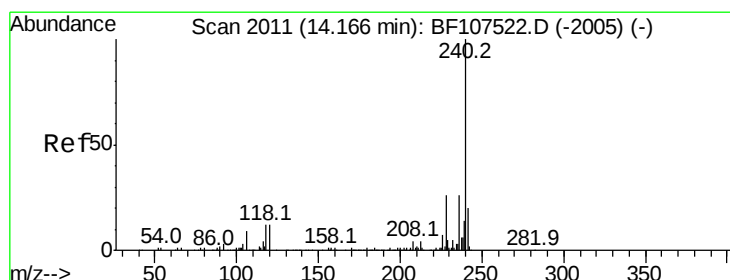
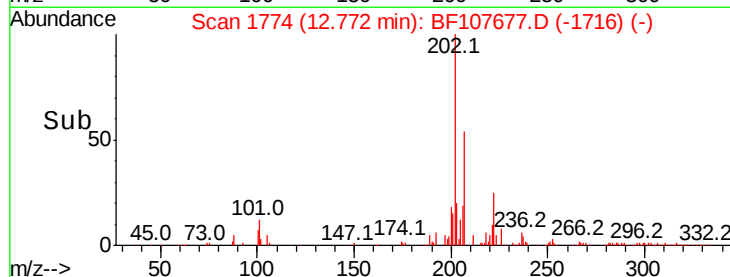
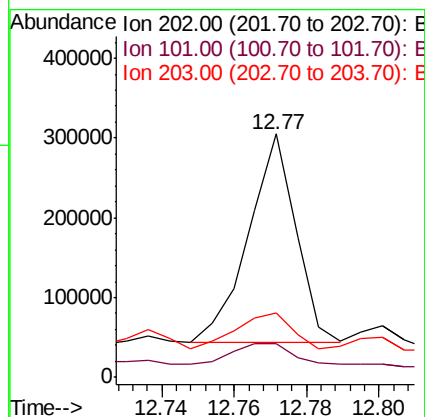
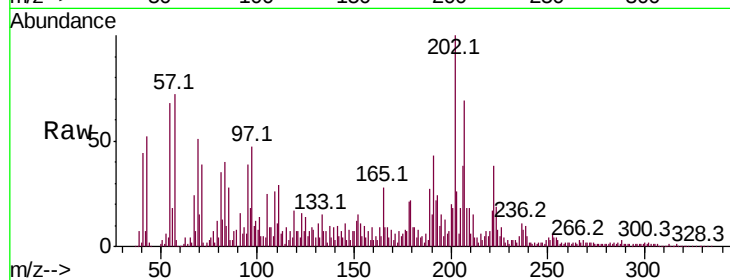
Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	235614
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.1
203	26.4	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

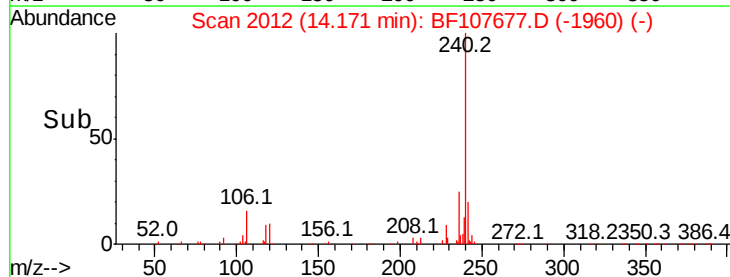
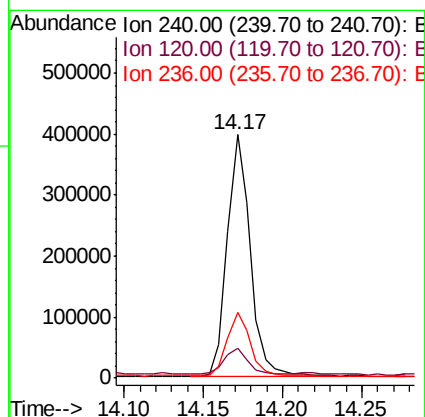
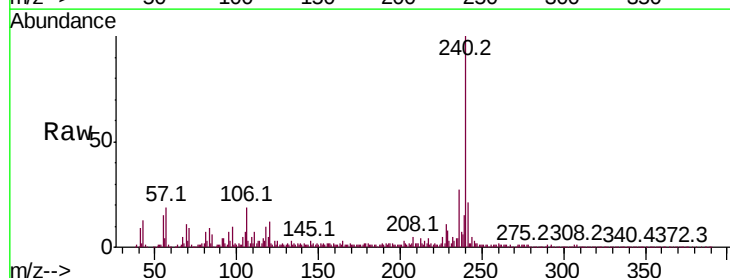
RT: 14.17 min Scan# 2012

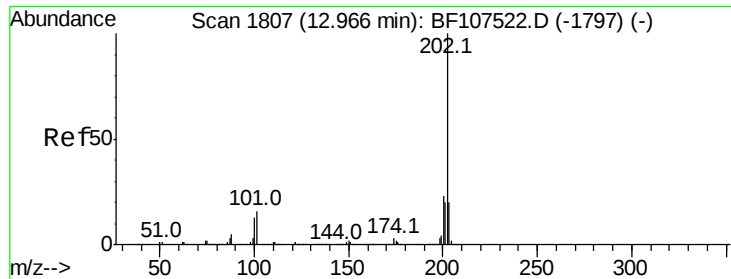
Delta R.T. 0.01 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Tgt Ion:	240	Resp:	401046
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	26.8	20.7	31.1





#77

Pvrene

Concen: 4.320 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

Instrument :

BNA_F

ClientSampleId :

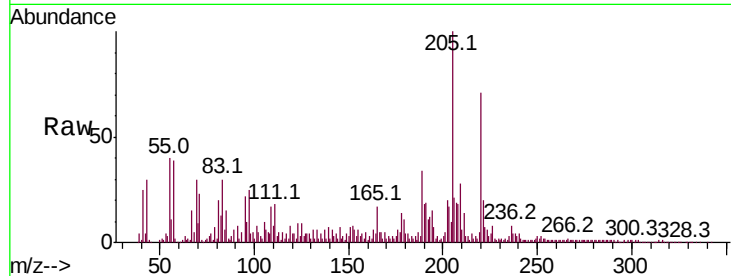
Tot Ion:202 Resp: 118518

Ion Ratio Lower Upper

202 100

200 15.2 17.4 26.2#

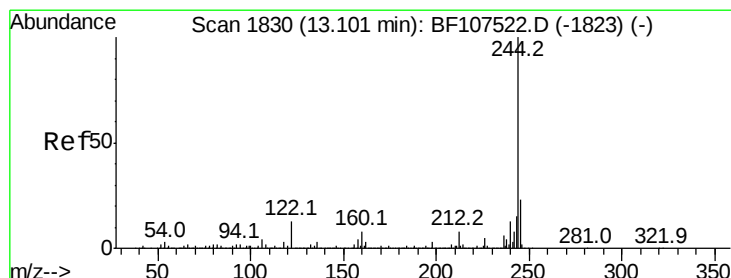
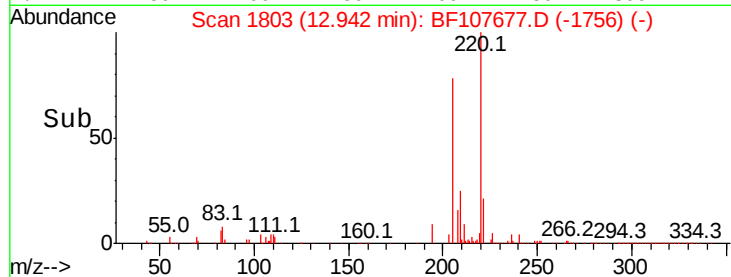
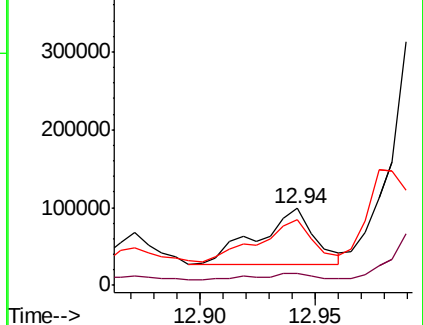
203 84.9 14.3 21.5#



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



#78

Terphenyl-d14

Concen: 63.437 ng

RT: 13.12 min Scan# 1834

Delta R.T. 0.02 min

Lab File: BF107677.D

Acq: 26 Jul 2018 1:27

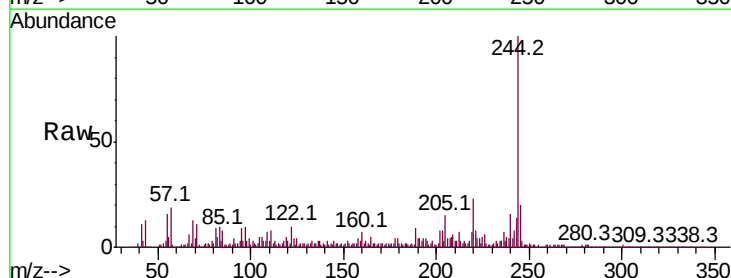
Tgt Ion:244 Resp: 993766

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

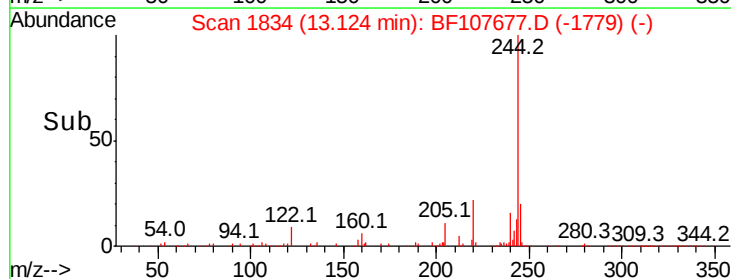
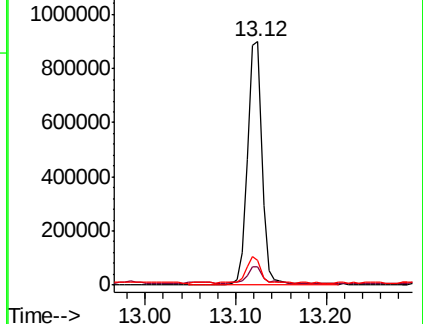
122 10.1 11.0 16.4#

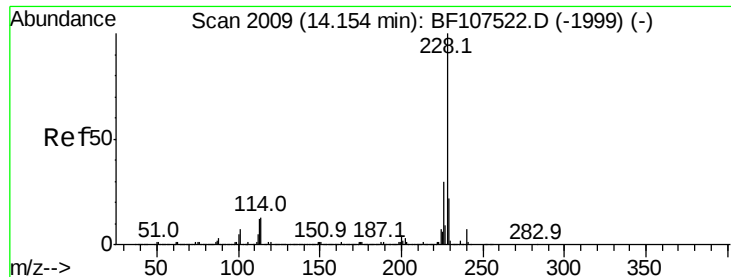


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

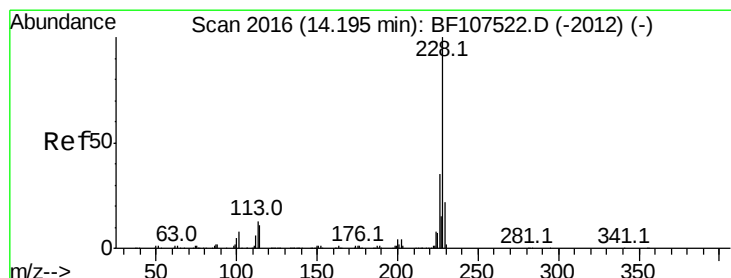
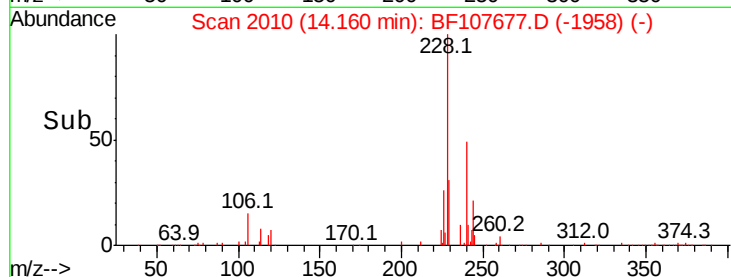
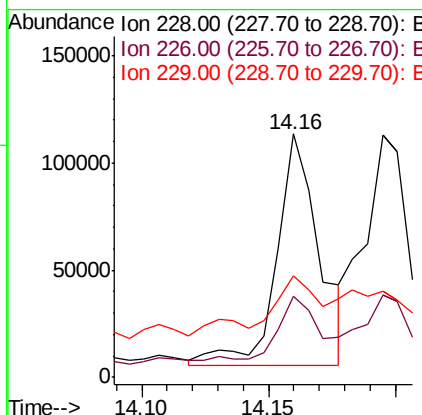
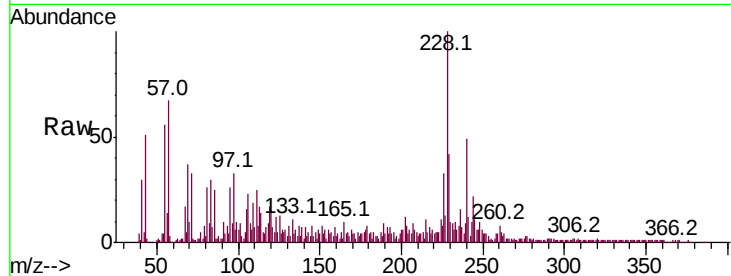




#80
Benzo(a)anthracene
Concen: 5.401 ng
RT: 14.16 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

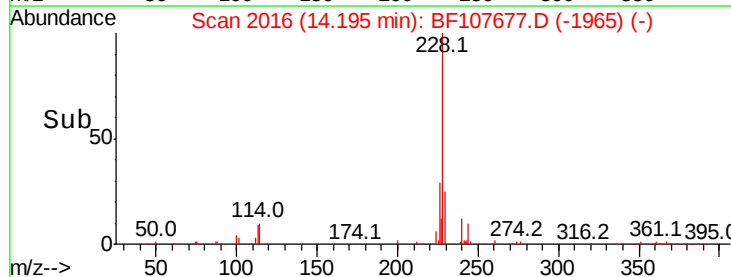
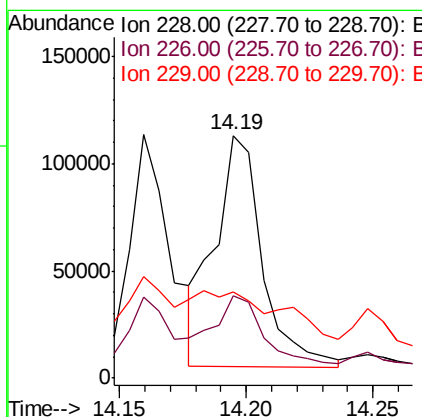
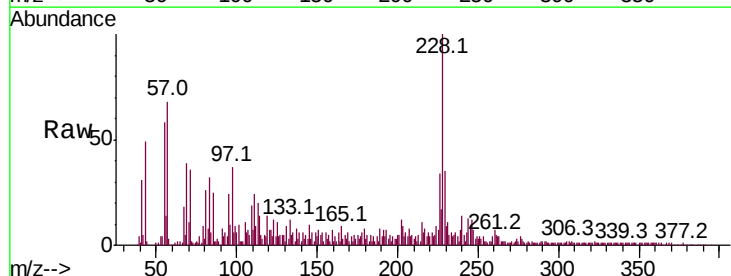
Instrument :
BNA_F
ClientSampled :

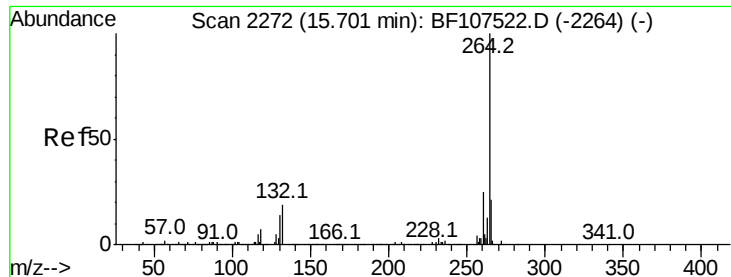
Tot Ion:228 Resp: 126928
Ion Ratio Lower Upper
228 100
226 33.5 22.6 33.8
229 41.5 15.8 23.6#



#82
Chrysene
Concen: 6.248 ng
RT: 14.19 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:228 Resp: 141066
Ion Ratio Lower Upper
228 100
226 33.9 25.0 37.6
229 35.4 16.2 24.4#



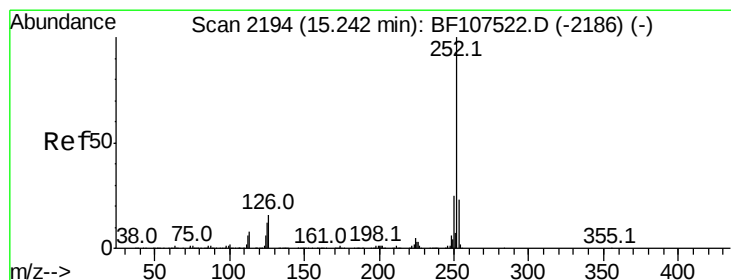
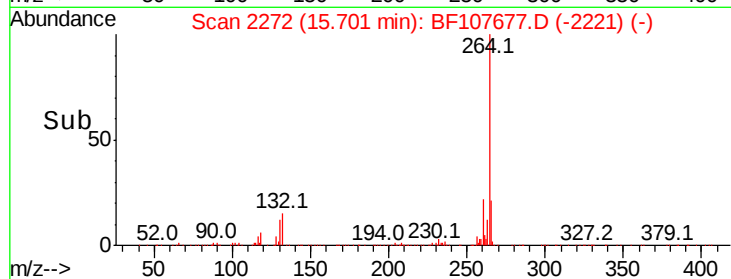
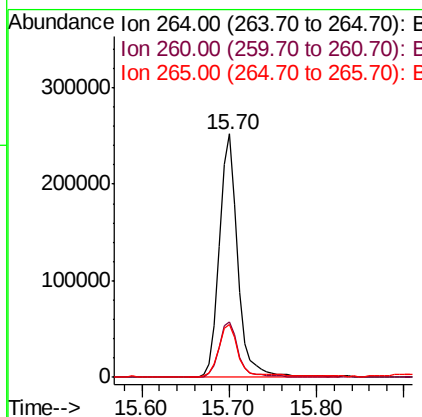
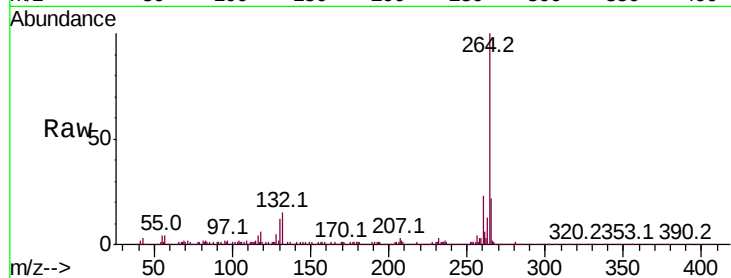


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 369902

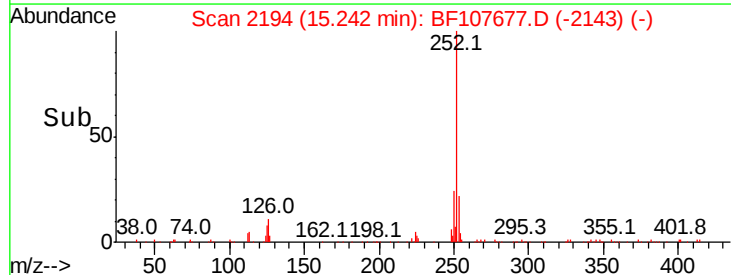
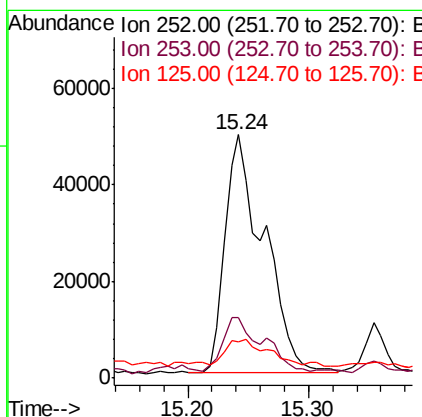
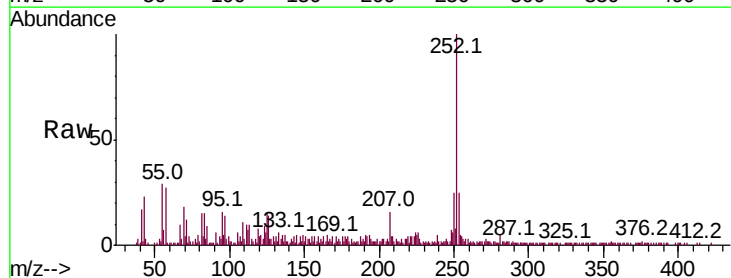
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	17.5	26.3

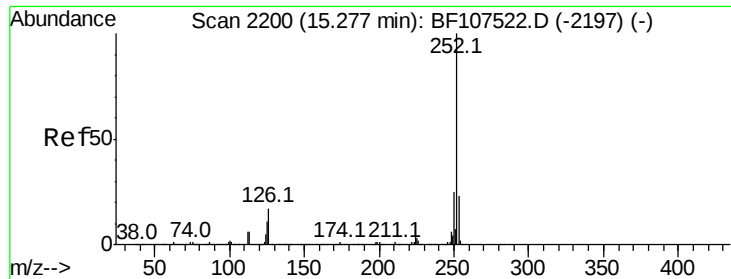


#87
Benzo(b)fluoranthene
Concen: 5.445 ng
RT: 15.24 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion:252 Resp: 110237

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.0	25.6
125	15.1	9.0	13.6

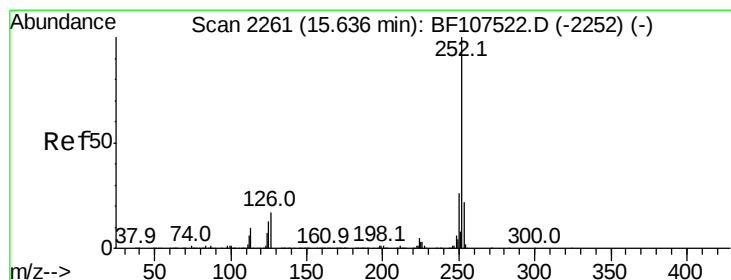
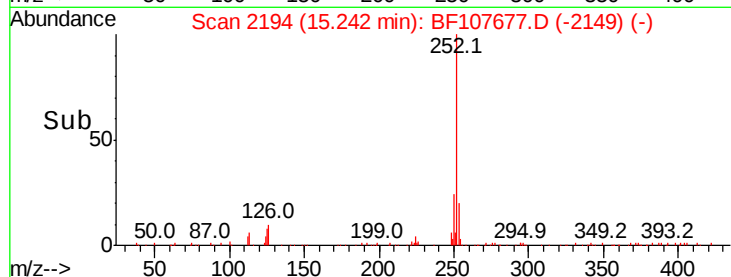
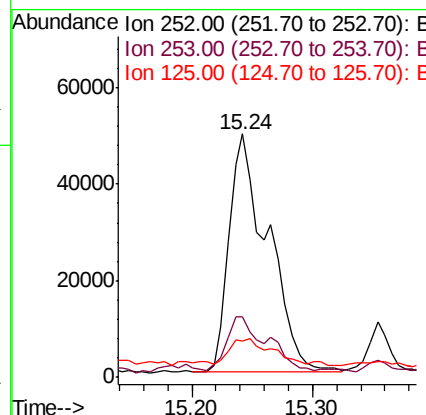
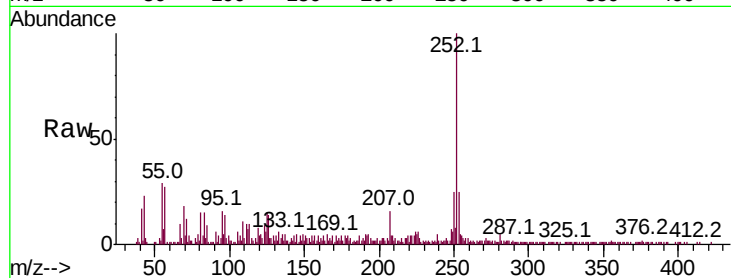




#88
Benzo(k)fluoranthene
Concen: 5.558 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	15.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 3.095 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF107677.D
Acq: 26 Jul 2018 1:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	15.8	9.8	14.6

