

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080918\
 Data File : BF108050.D
 Acq On : 9 Aug 2018 14:13
 Operator : JU/SJ
 Sample : J4262-07DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

Quant Time: Aug 09 17:57:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	330911	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1231758	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	593910	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	972392	20.00	ng	0.00
75) Chrysene-d12	14.21	240	780757	20.00	ng	0.00
86) Perylene-d12	15.78	264	655710	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	566322	30.98	ng	0.00
7) Phenol-d6	6.62	99	482952	19.88	ng	-0.01
23) Nitrobenzene-d5	7.57	82	1020924	46.25	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	346305	58.46	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	1823556	49.29	ng	0.00
78) Terphenyl-d14	13.15	244	1522050	49.57	ng	0.00

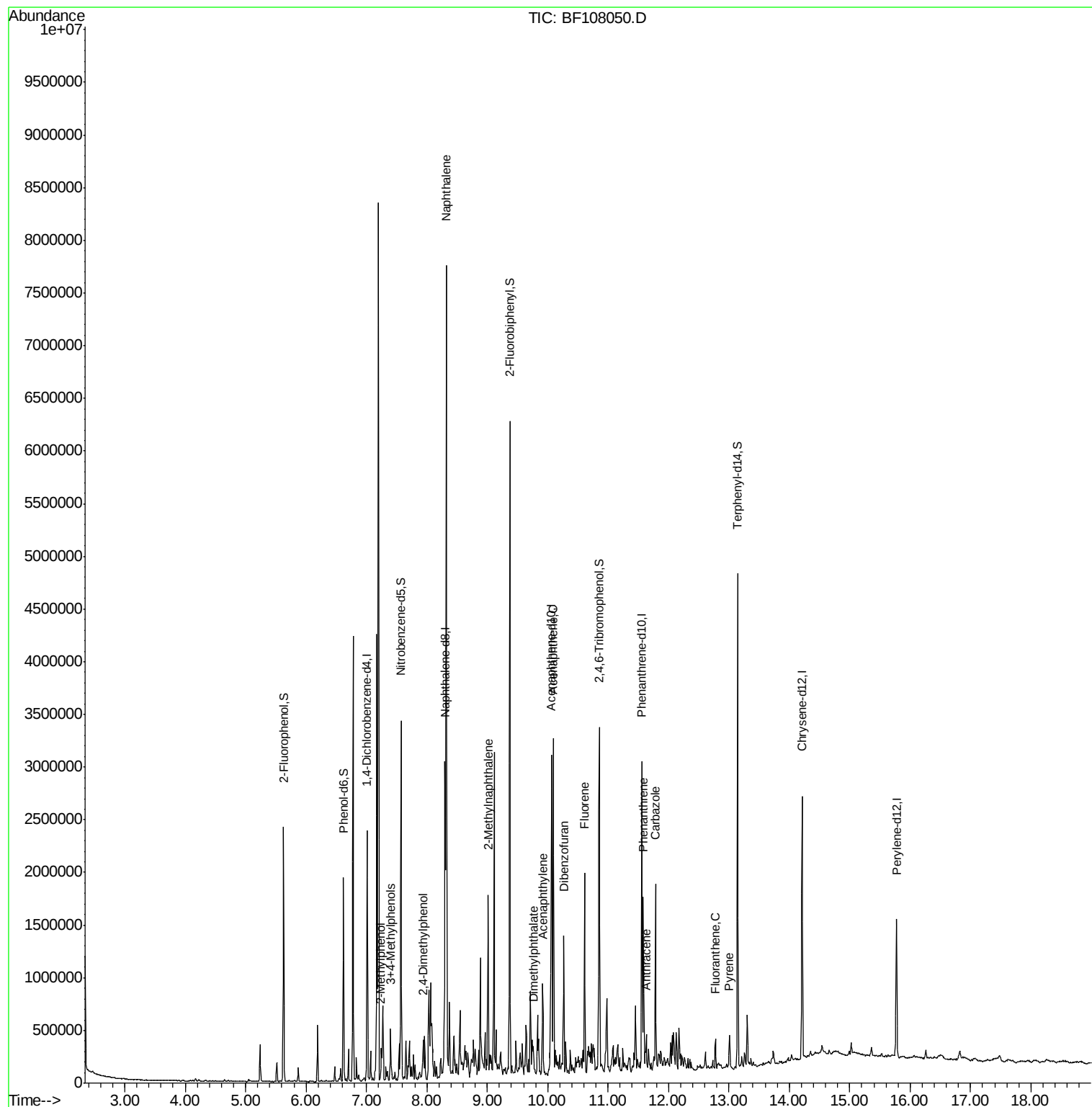
Target Compounds				Qvalue		
17) 2-Methylphenol	7.24	107	43346	2.455	ng	95
20) 3+4-Methylphenols	7.40	107	97403	4.306	ng	88
27) 2,4-Dimethylphenol	7.93	122	74658	3.998	ng	96
31) Naphthalene	8.32	128	2950649	52.673	ng	# 92
37) 2-Methylnaphthalene	9.01	142	381772	9.633	ng	97
48) Acenaphthylene	9.92	152	191799	3.505	ng	98
49) Dimethylphthalate	9.77	163	94291	2.279	ng	# 98
51) Acenaphthene	10.10	154	609420	18.185	ng	99
54) Dibenzofuran	10.27	168	402737	8.295	ng	98
57) Fluorene	10.61	166	461339	12.003	ng	100
70) Phenanthrene	11.58	178	503515	10.978	ng	99
71) Anthracene	11.64	178	120600	2.566	ng	98
72) Carbazole	11.79	167	684919	16.399	ng	98
74) Fluoranthene	12.78	202	104217	2.082	ng	93
77) Pyrene	13.01	202	117211	2.371	ng	99

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

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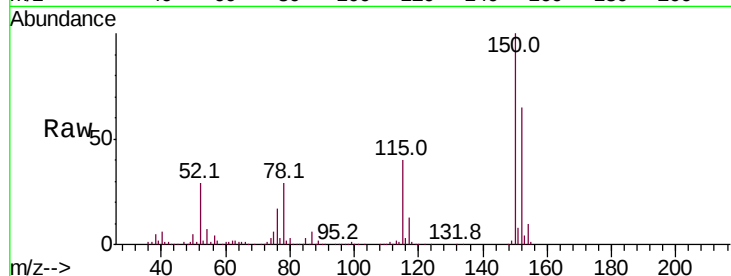


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	61.2	50.1	75.1

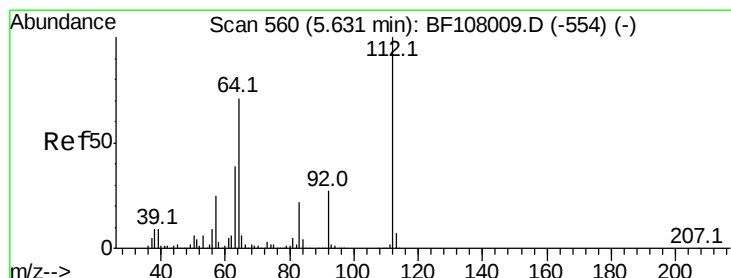
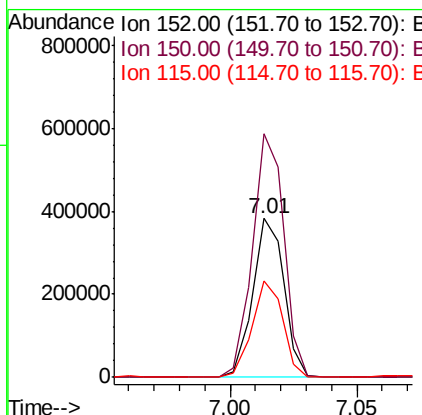
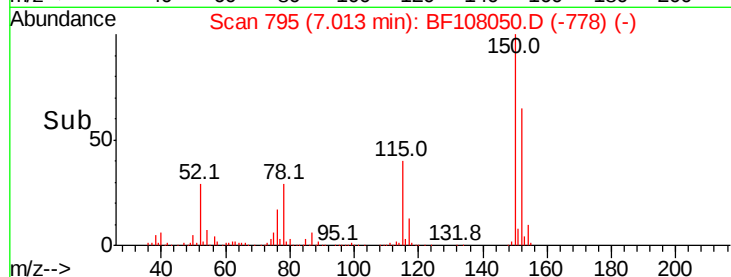


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

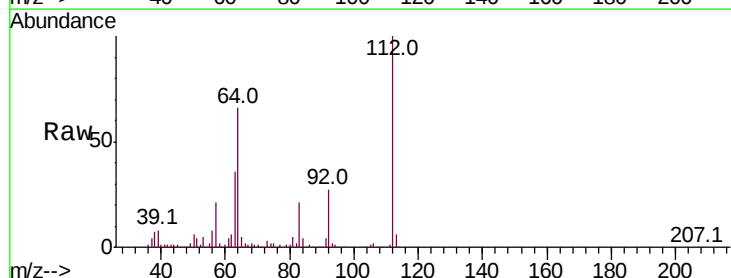
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 30.984 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	47.9	71.9
63	35.7	23.7	35.5#

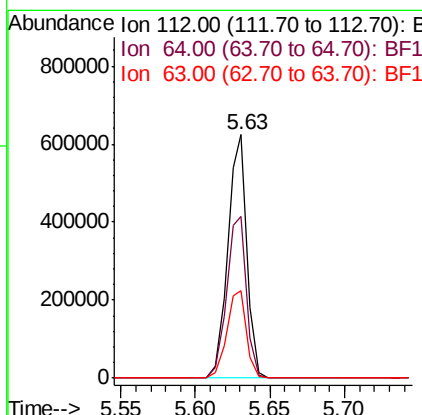
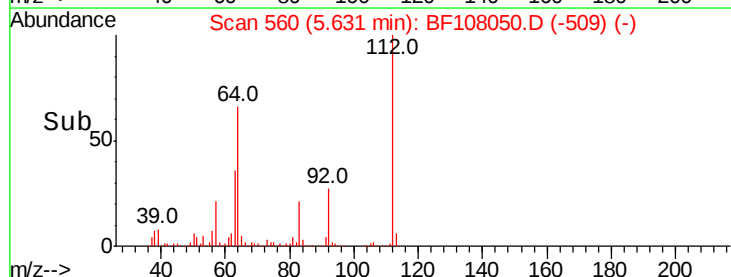


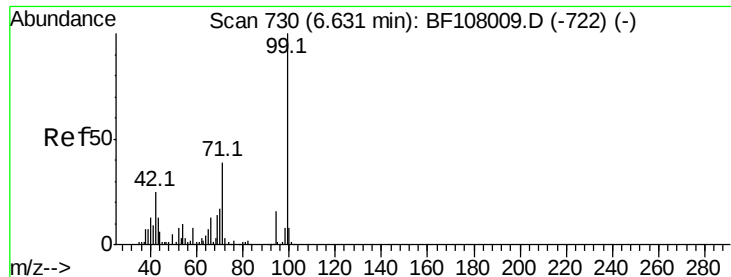
Abundance

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: 19.884 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

Instrument :

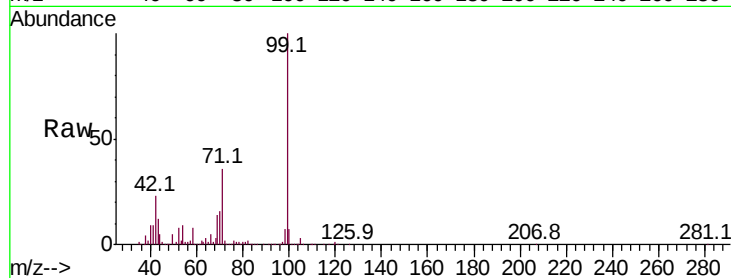
BNA_F

ClientSampleId :

DUP-073118DL

Tot Ion: 99 Resp: 482952

Ion	Ratio	Lower	Upper
99	100		
42	23.0	14.5	21.7#
71	36.1	25.4	38.0

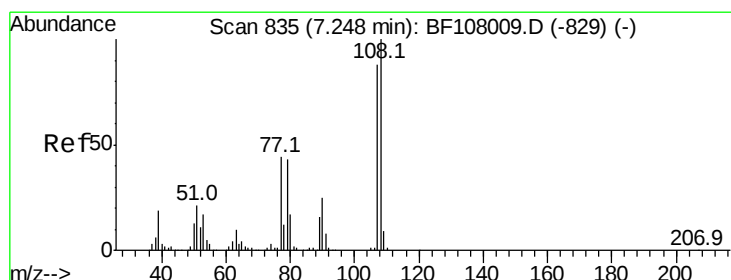
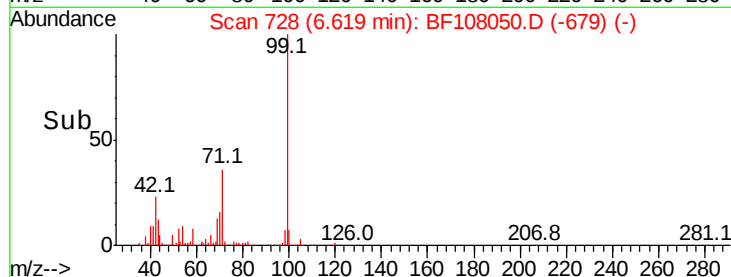
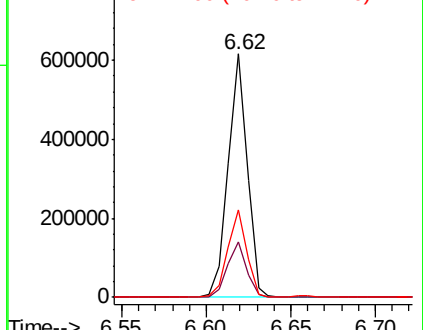


Abundance

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



#17

2-Methylphenol

Concen: 2.455 ng

RT: 7.24 min Scan# 834

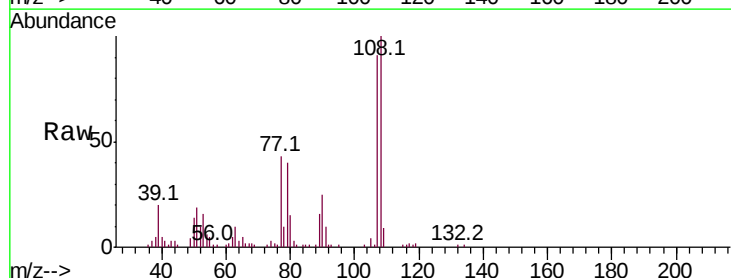
Delta R.T. -0.01 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

Tgt Ion: 107 Resp: 43346

Ion	Ratio	Lower	Upper
107	100		
108	109.4	91.7	137.5
77	46.8	33.8	50.8
79	43.7	33.8	50.8



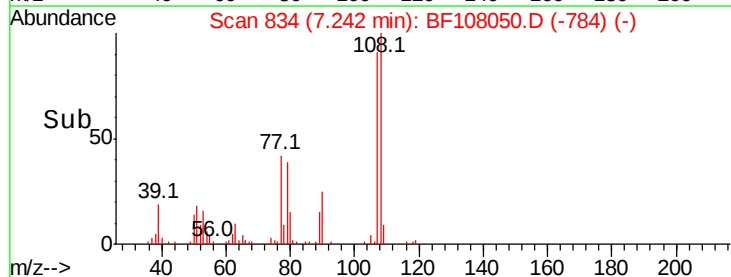
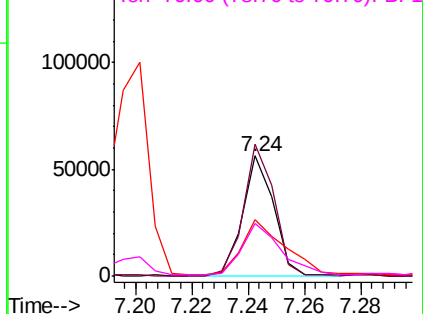
Abundance

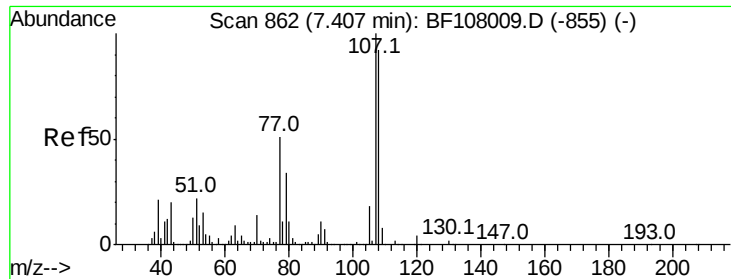
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#20

3+4-Methylphenols

Concen: 4.306 ng

RT: 7.40 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

Tot Ion:107 Resp: 97403

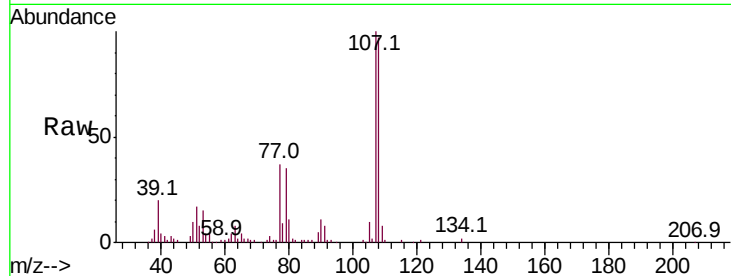
Ion Ratio Lower Upper

107 100

108 97.1 68.2 108.2

77 36.9 26.7 66.7

79 34.6 6.3 46.3

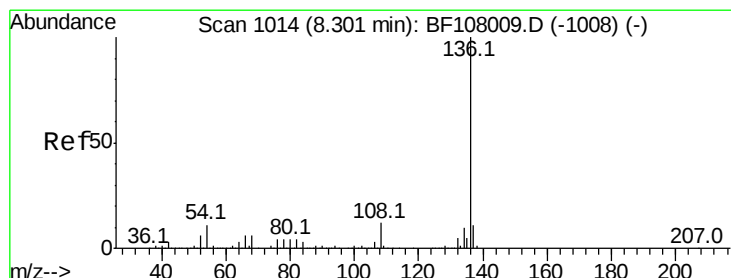
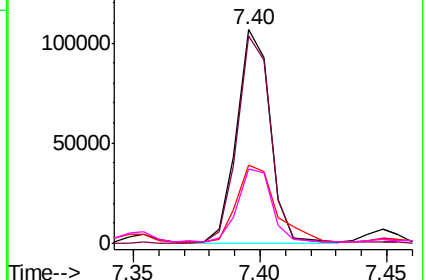
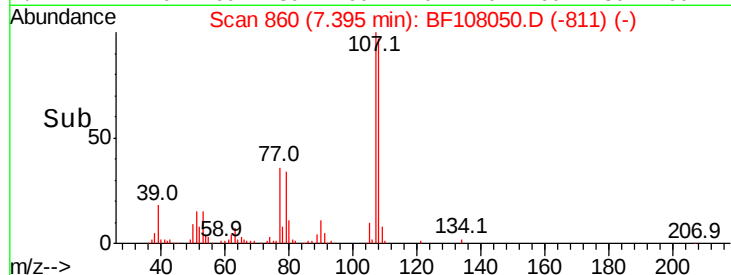


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

Tgt Ion:136 Resp: 1231758

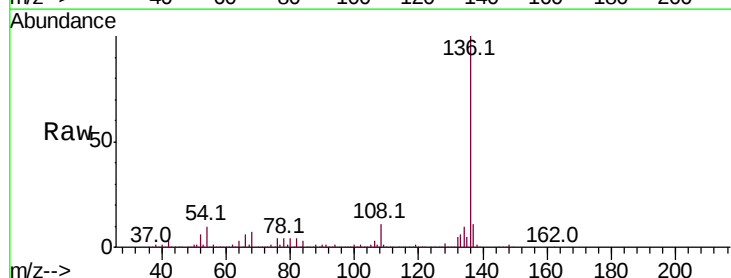
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 10.1 6.6 9.8#

68 6.6 5.0 7.4

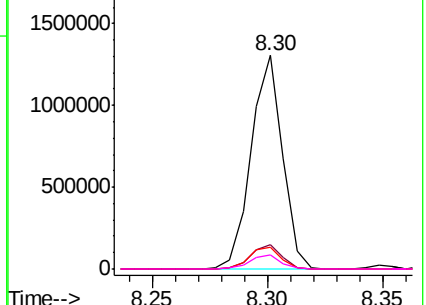
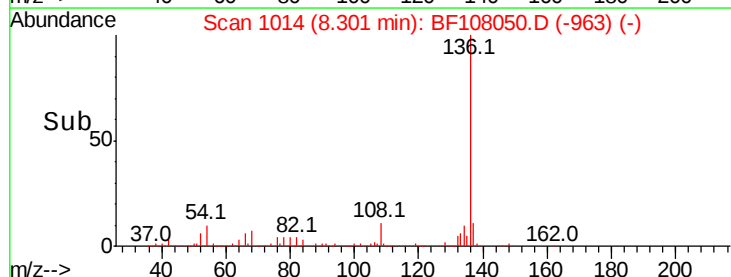


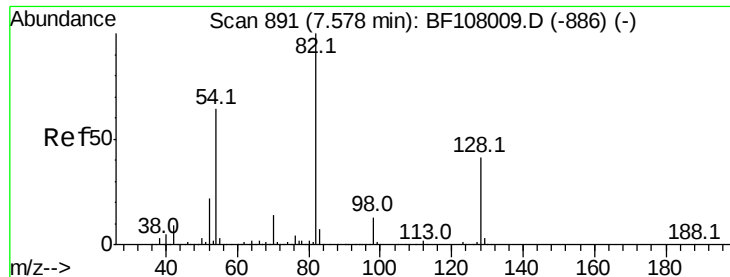
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



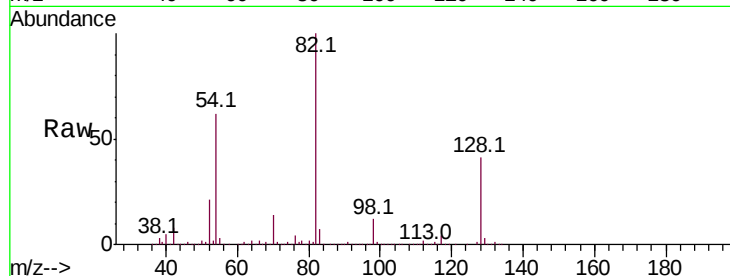


#23
 Nitrobenzene-d5
 Concen: 46.250 ng
 RT: 7.57 min Scan# 890
 Delta R.T. -0.01 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

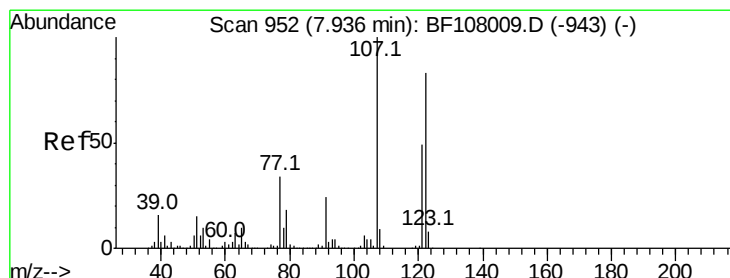
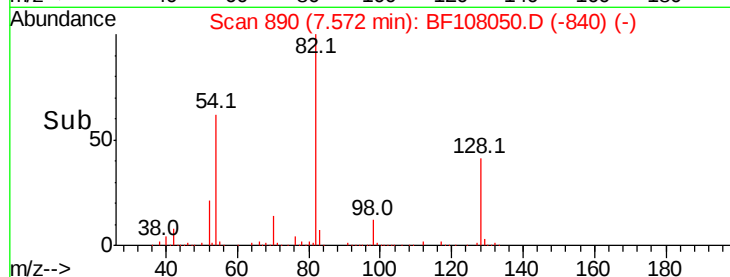
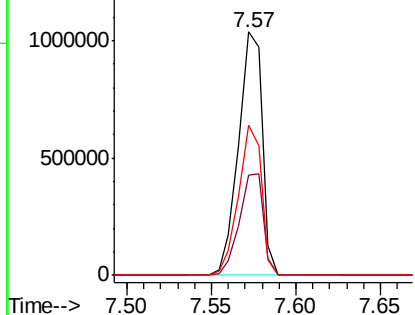
Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

Tot Ion: 82 Resp: 1020924

Ion	Ratio	Lower	Upper
82	100		
128	41.2	36.1	54.1
54	61.8	41.4	62.2



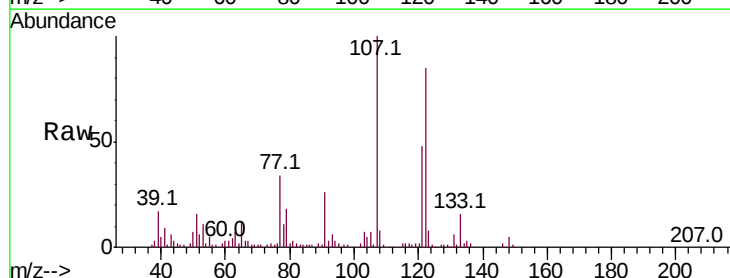
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1



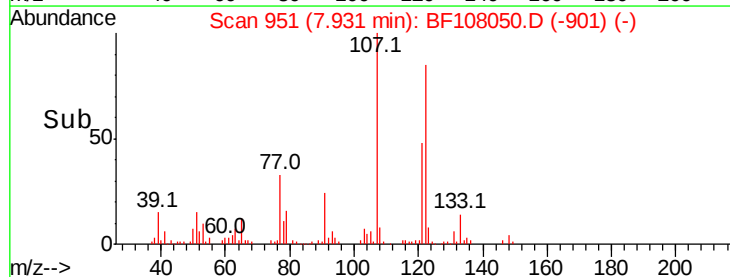
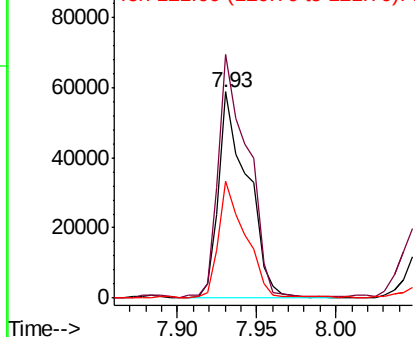
#27
 2,4-Dimethylphenol
 Concen: 3.998 ng
 RT: 7.93 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

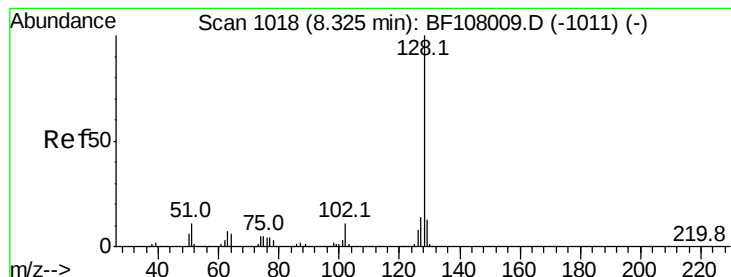
Tgt Ion:122 Resp: 74658

Ion	Ratio	Lower	Upper
122	100		
107	118.1	91.2	136.8
121	56.6	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





#31

Naphthalene

Concen: 52.673 ng

RT: 8.32 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

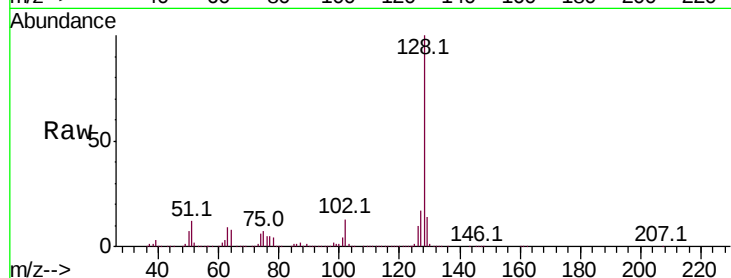
Tot Ion:128 Resp: 2950649

Ion Ratio Lower Upper

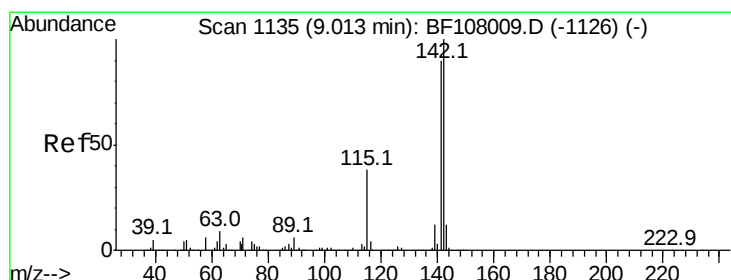
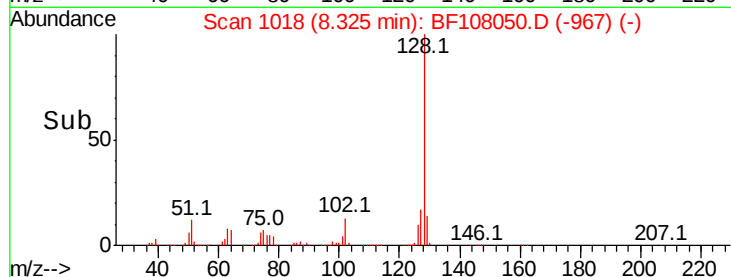
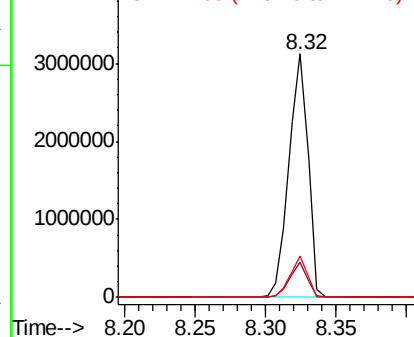
128 100

129 14.3 8.8 13.2#

127 16.8 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



#37

2-Methylnaphthalene

Concen: 9.633 ng

RT: 9.01 min Scan# 1135

Delta R.T. 0.00 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

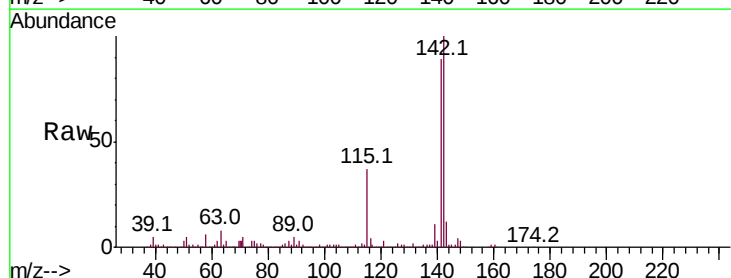
Tgt Ion:142 Resp: 381772

Ion Ratio Lower Upper

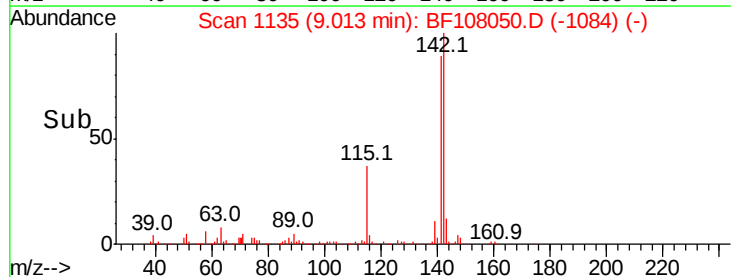
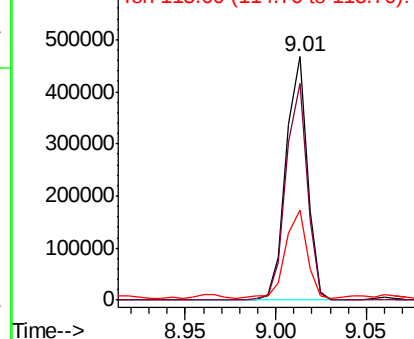
142 100

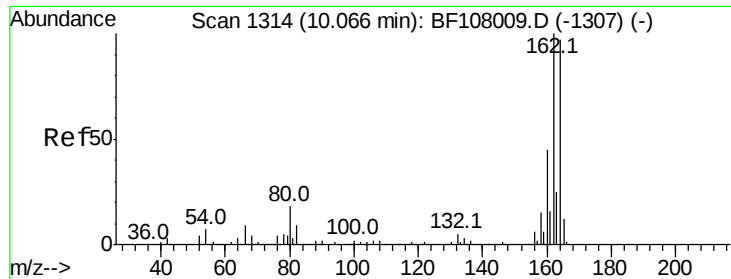
141 89.1 70.8 106.2

115 36.9 26.1 39.1



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

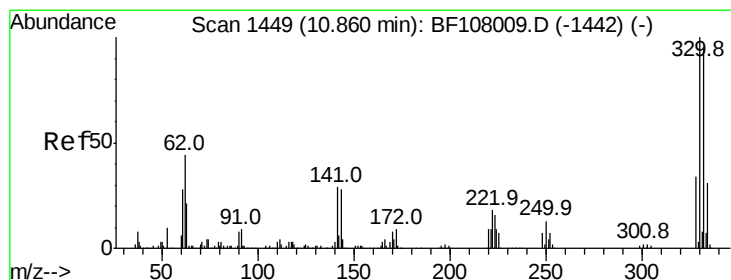
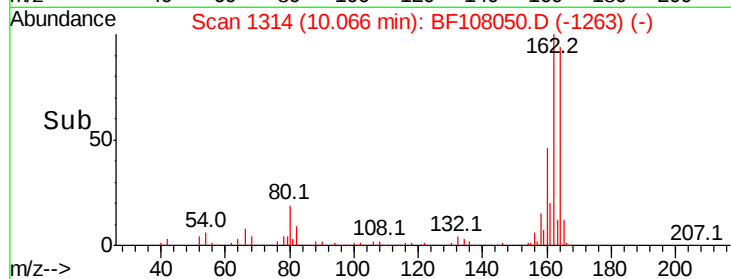
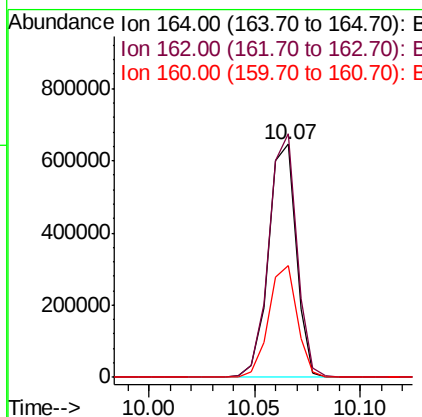
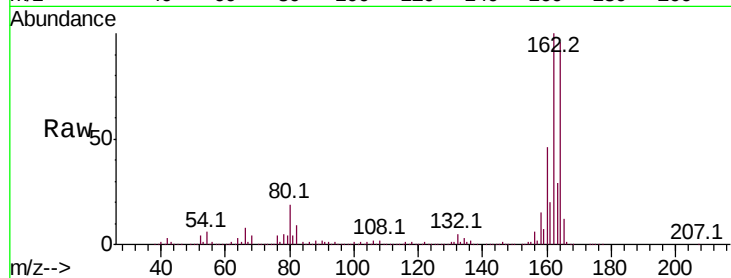




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

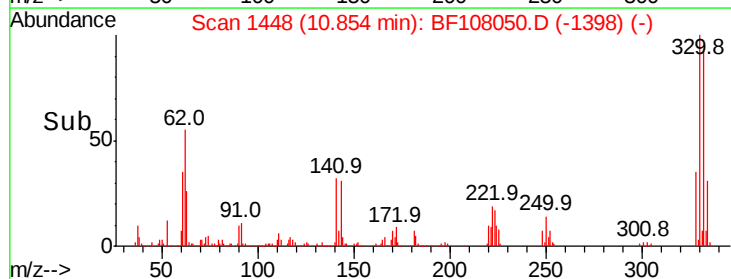
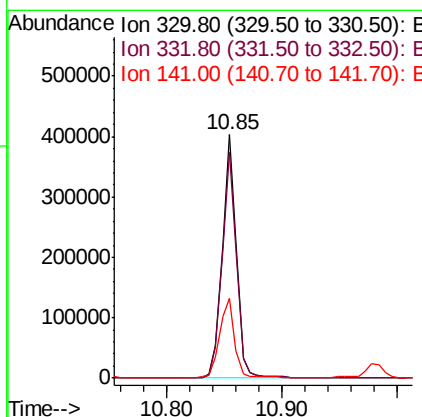
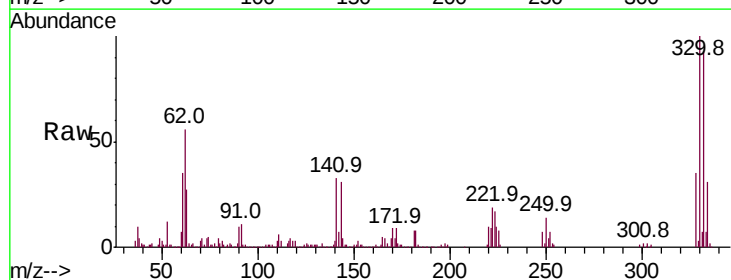
Instrument :
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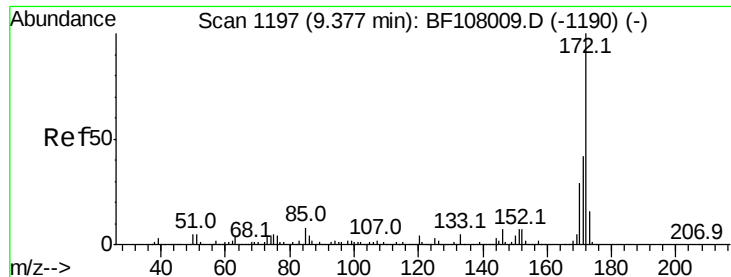
Tot Ion:164 Resp: 593910
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 48.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 58.457 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

Tgt Ion:330 Resp: 346305
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.0 115.6
 141 34.8 29.9 44.9



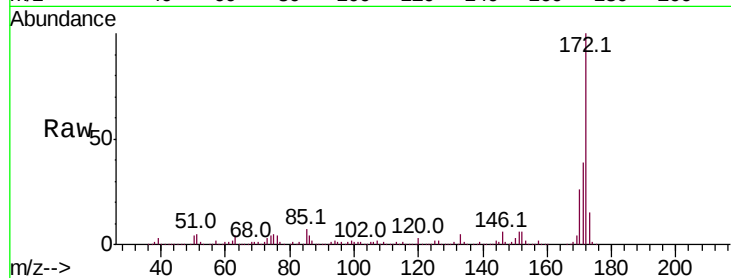


#44
 2-Fluorobiphenyl
 Concen: 49.295 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

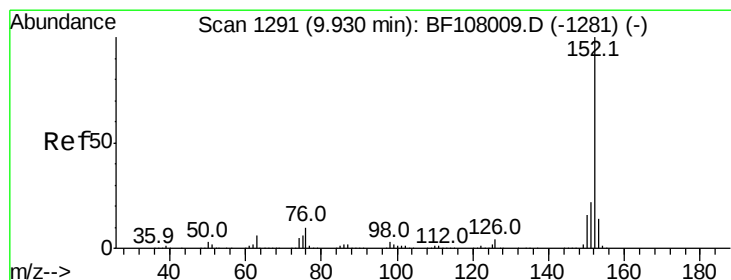
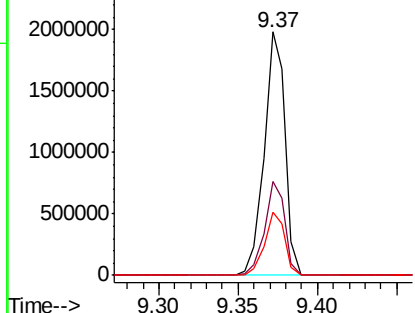
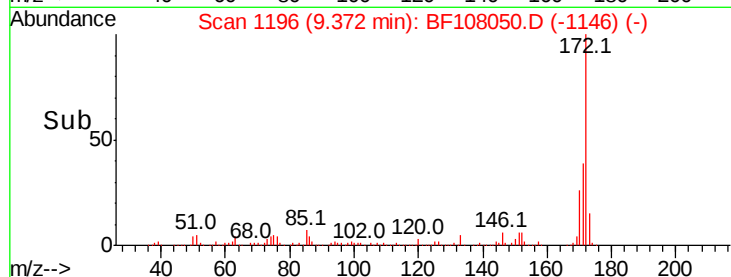
Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

Tot Ion:172 Resp: 1823556

Ion	Ratio	Lower	Upper
172	100		
171	38.7	29.7	44.5
170	25.8	19.6	29.4



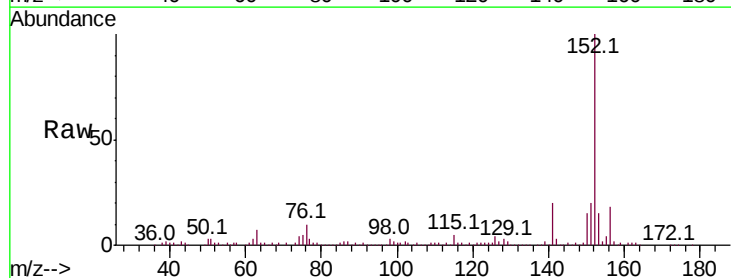
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



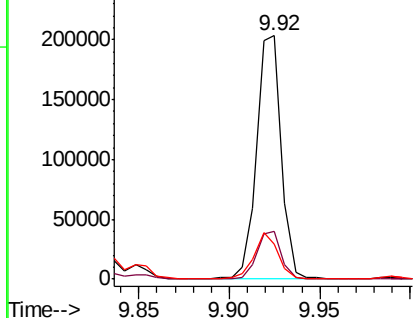
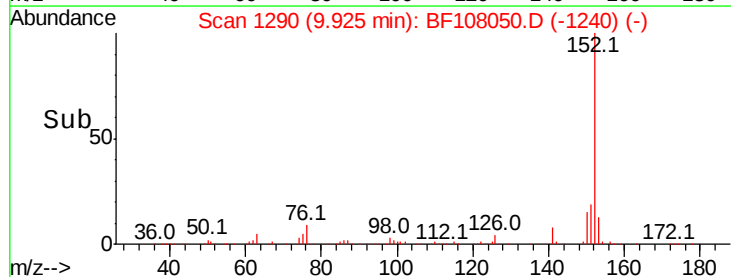
#48
 Acenaphthylene
 Concen: 3.505 ng
 RT: 9.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

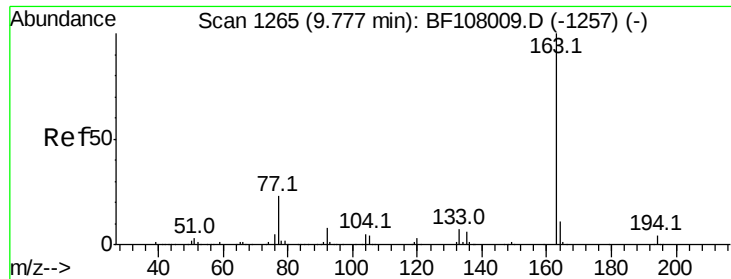
Tgt Ion:152 Resp: 191799

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	14.6	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

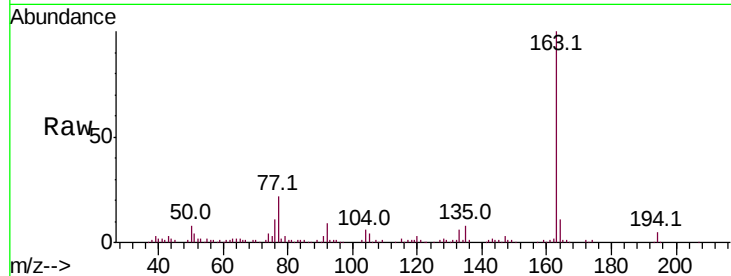




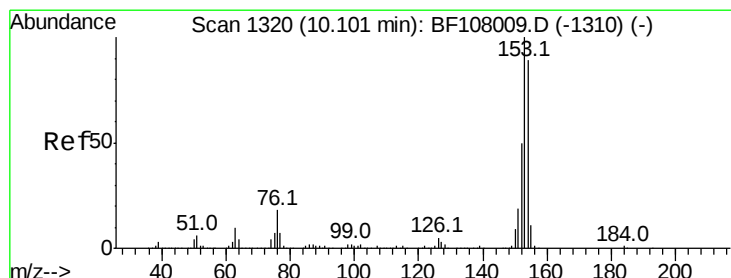
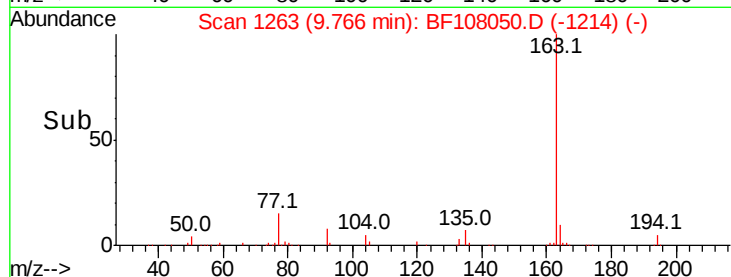
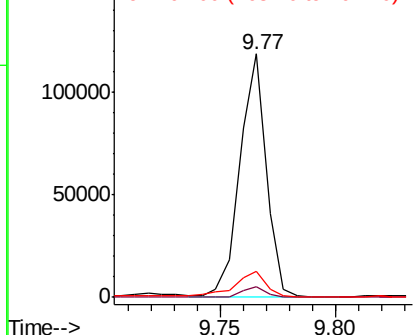
#49
Dimethylphthalate
Concen: 2.279 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion:163 Resp: 94291
Ion Ratio Lower Upper
163 100
194 4.6 2.7 4.1#
164 10.7 8.2 12.2

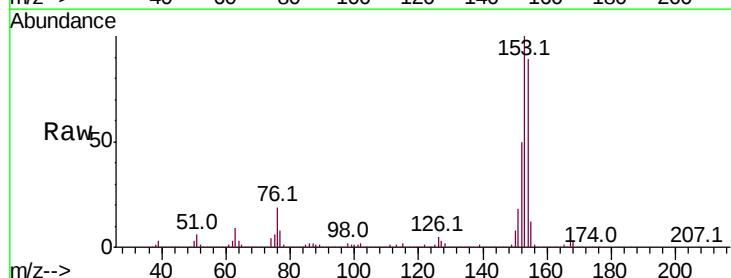


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

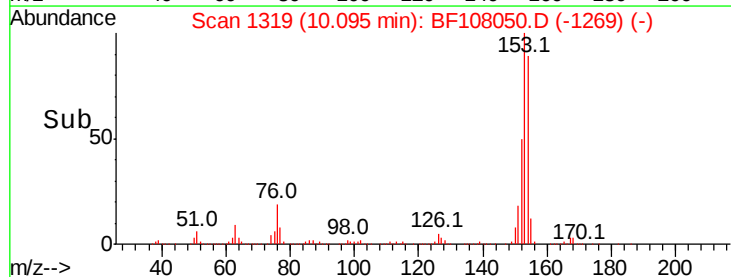
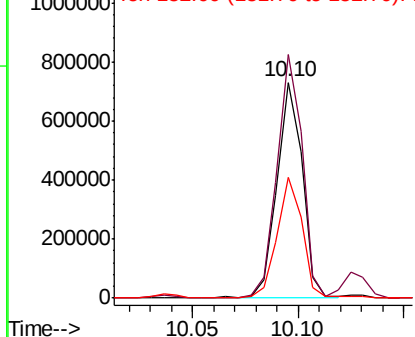


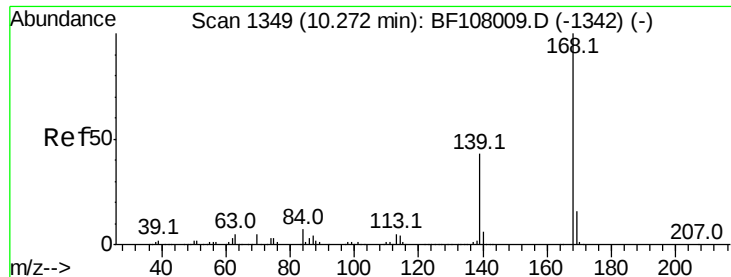
#51
Acenaphthene
Concen: 18.185 ng
RT: 10.10 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

Tgt Ion:154 Resp: 609420
Ion Ratio Lower Upper
154 100
153 112.7 91.2 136.8
152 55.9 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





#54

Dibenzofuran

Concen: 8.295 ng

RT: 10.27 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

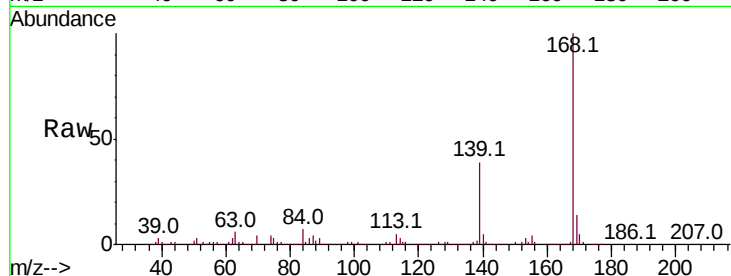
Tot Ion:168 Resp: 402737

Ion Ratio Lower Upper

168 100

139 39.1 30.1 45.1

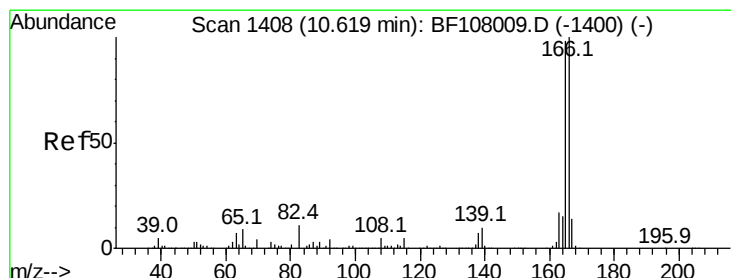
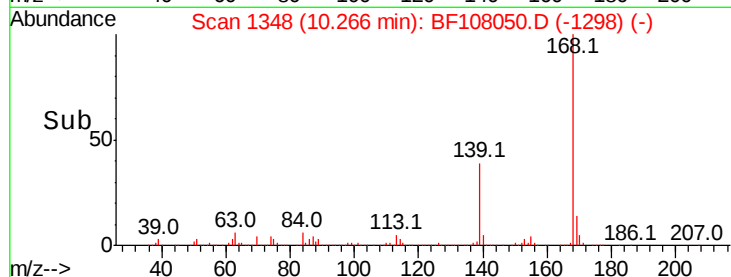
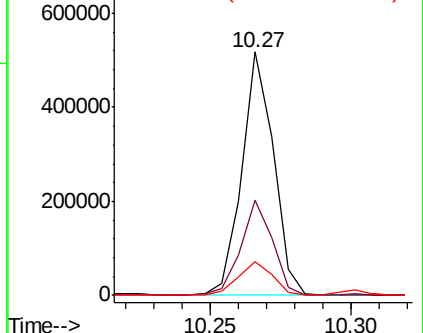
169 14.1 10.9 16.3



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



#57

Fluorene

Concen: 12.003 ng

RT: 10.61 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

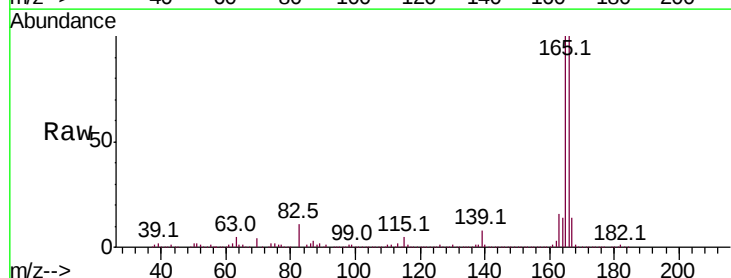
Tgt Ion:166 Resp: 461339

Ion Ratio Lower Upper

166 100

165 100.1 79.8 119.8

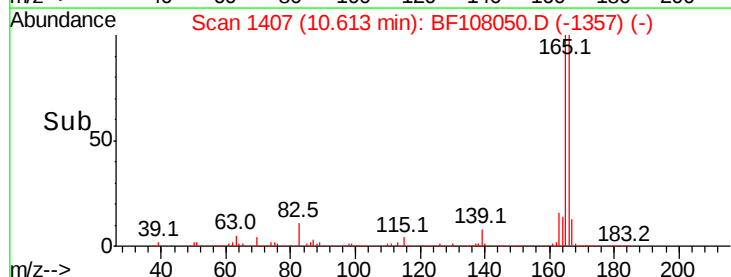
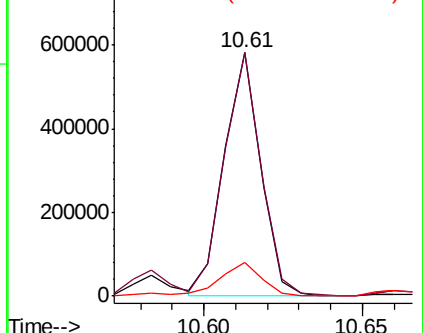
167 13.7 10.6 16.0

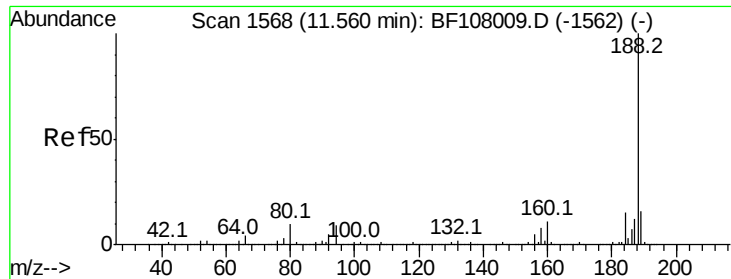


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

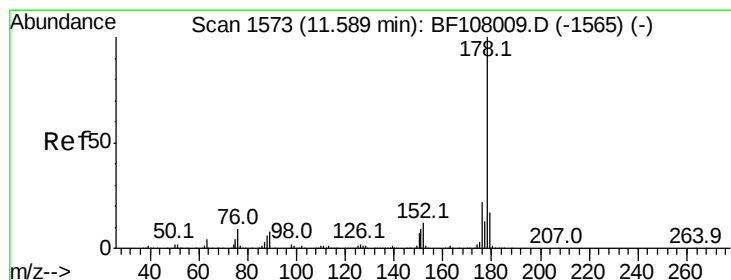
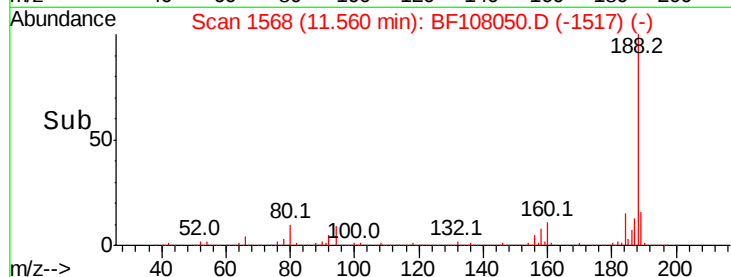
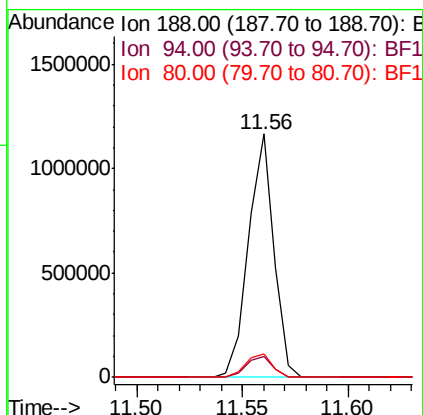
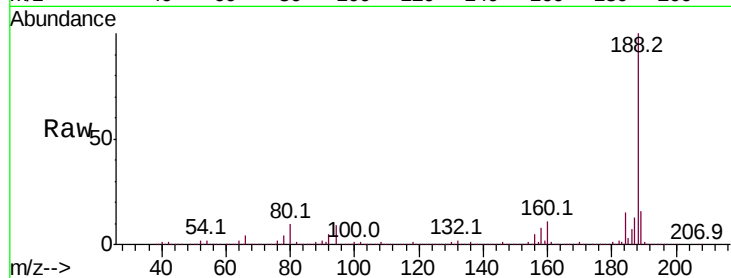




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

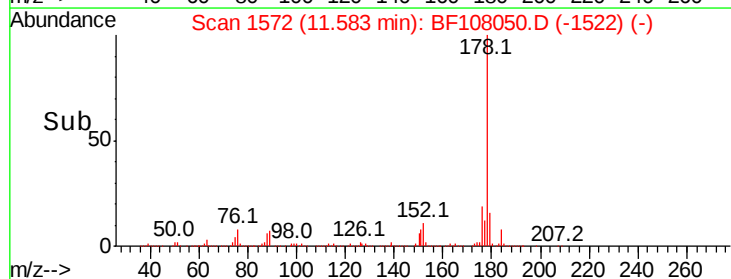
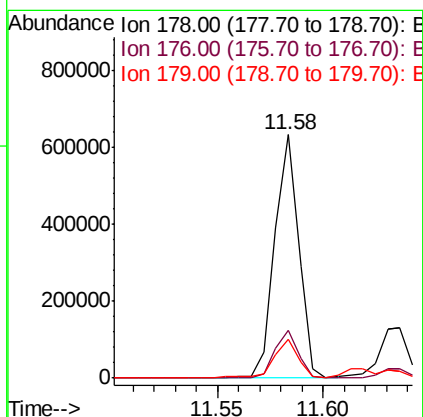
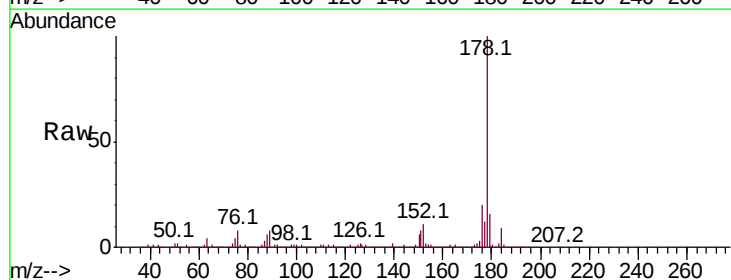
Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

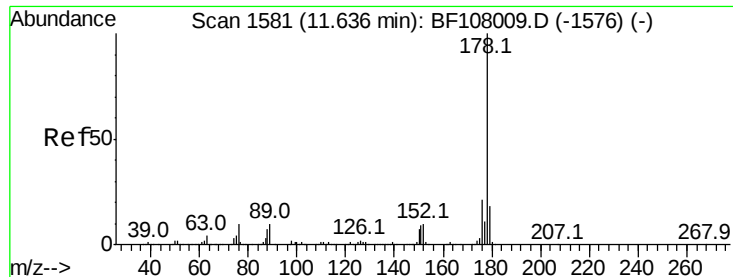
Tot Ion:188 Resp: 972392
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.6 9.2 13.8



#70
Phenanthrene
Concen: 10.978 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

Tgt Ion:178 Resp: 503515
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.9 13.0 19.6

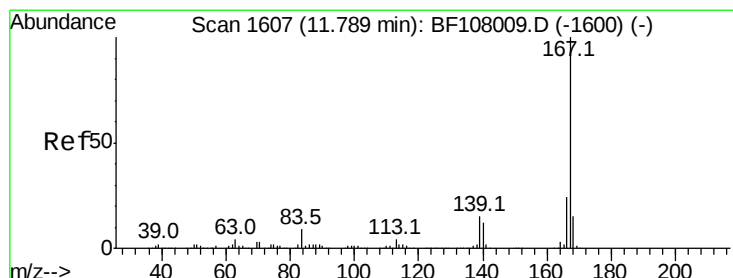
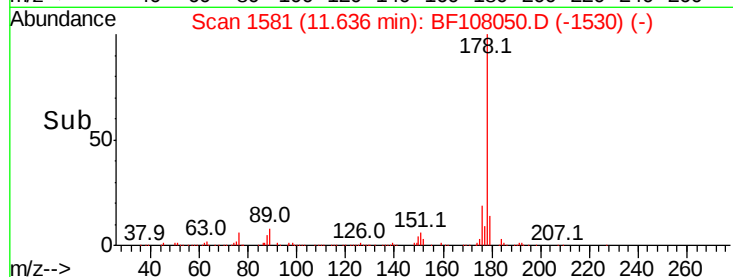
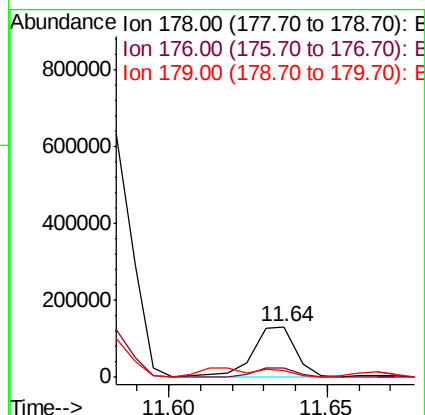
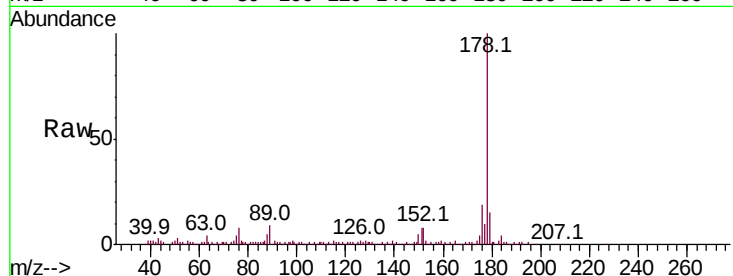




#71
 Anthracene
 Concen: 2.566 ng
 RT: 11.64 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

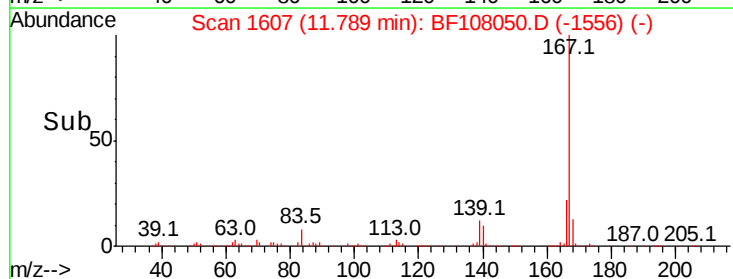
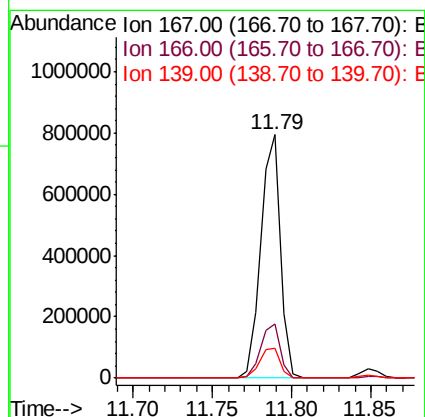
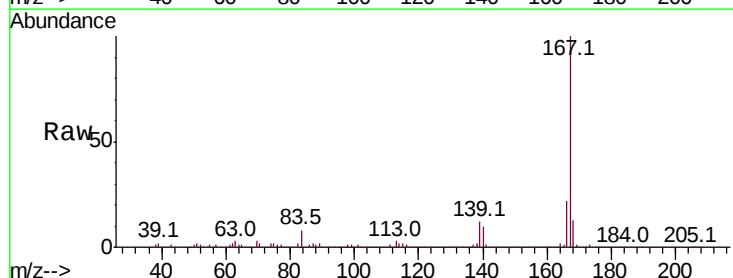
Instrument :
 BNA_F
 ClientSampleId :
 DUP-073118DL

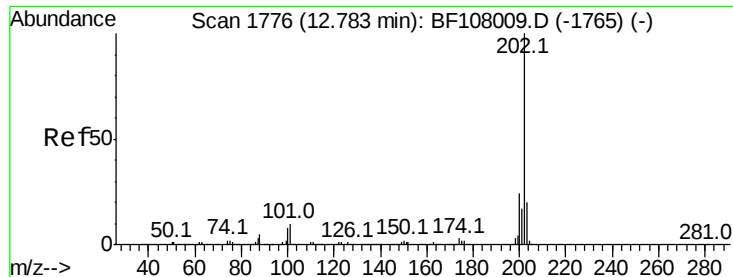
Tot Ion:178 Resp: 120600
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 14.6 12.6 19.0



#72
 Carbazole
 Concen: 16.399 ng
 RT: 11.79 min Scan# 1607
 Delta R.T. 0.00 min
 Lab File: BF108050.D
 Acq: 9 Aug 2018 14:13

Tgt Ion:167 Resp: 684919
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.6 26.4
 139 12.4 10.9 16.3





#74

Fluoranthene

Concen: 2.082 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

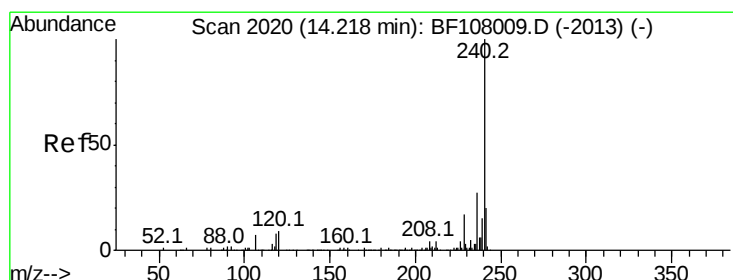
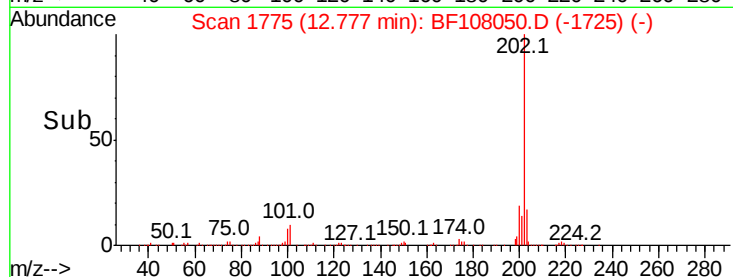
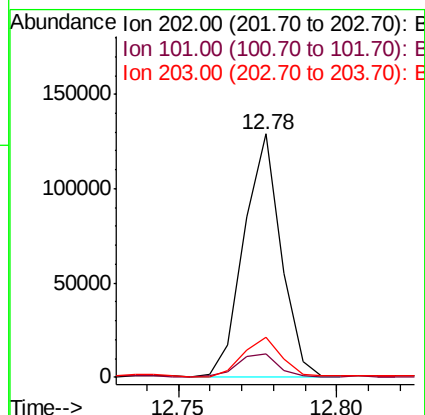
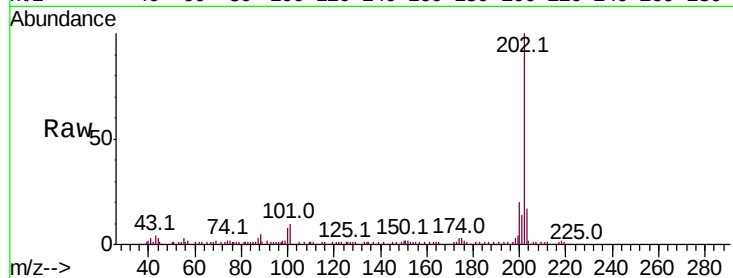
Instrument :

BNA_F

ClientSampleId :

DUP-073118DL

Tot Ion:	202	Resp:	104217
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	16.6	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

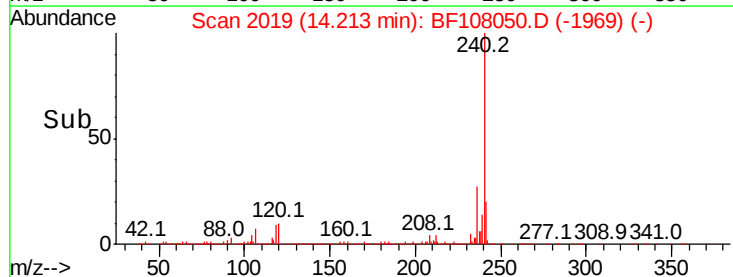
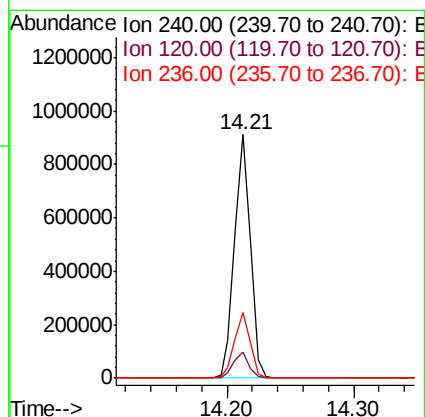
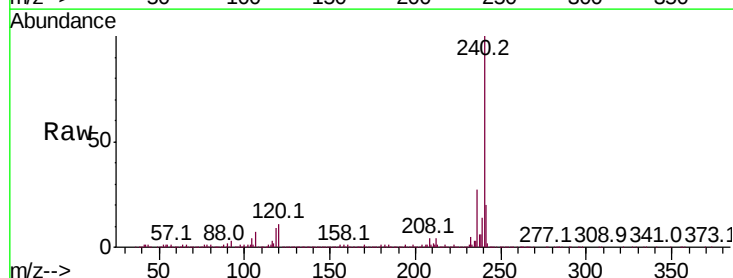
RT: 14.21 min Scan# 2019

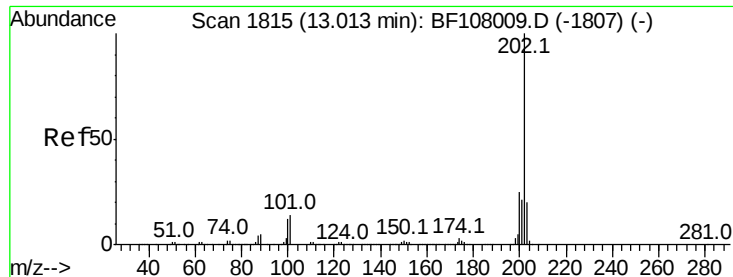
Delta R.T. -0.01 min

Lab File: BF108050.D

Acq: 9 Aug 2018 14:13

Tgt Ion:	240	Resp:	780757
Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	27.1	20.7	31.1

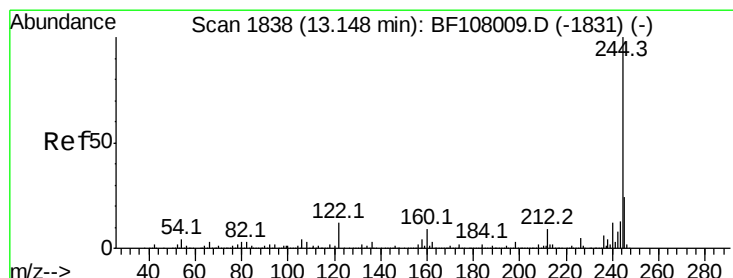
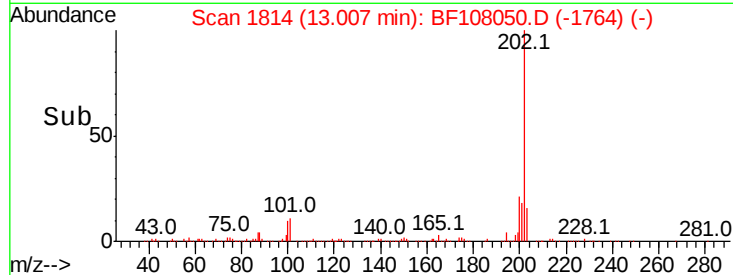
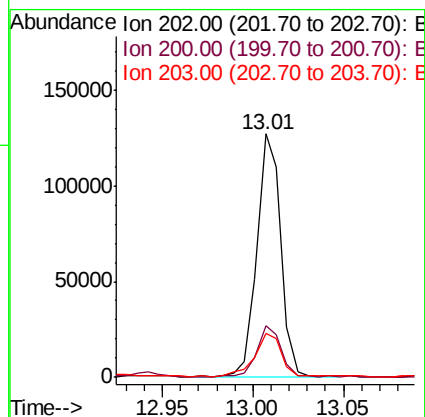
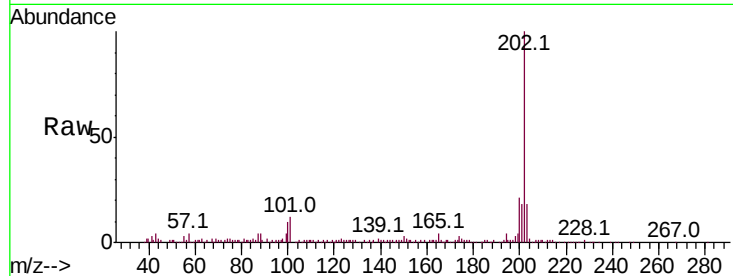




#77
Pvrene
Concen: 2.371 ng
RT: 13.01 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

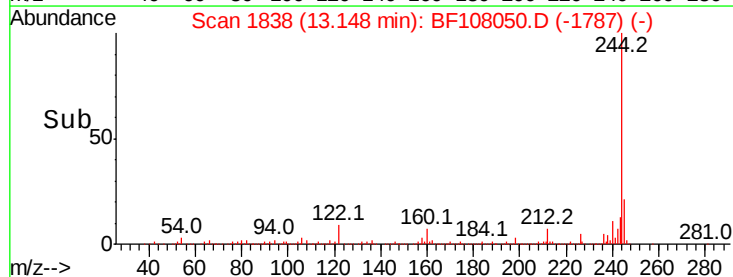
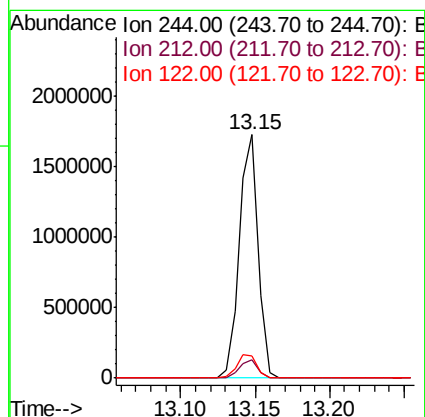
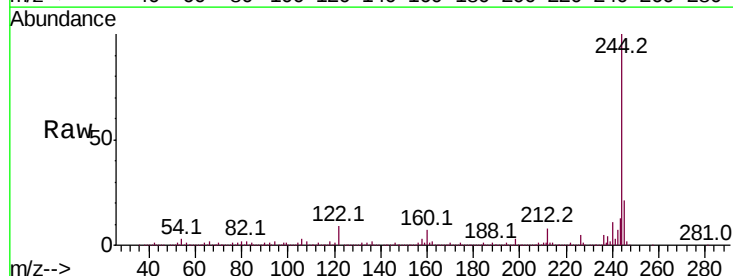
Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

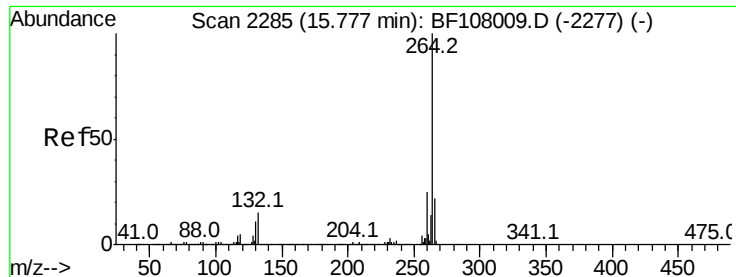
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.0	14.3	21.5



#78
Terphenyl-d14
Concen: 49.566 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	9.3	11.0	16.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. 0.00 min
Lab File: BF108050.D
Acq: 9 Aug 2018 14:13

Instrument :
BNA_F
ClientSampleId :
DUP-073118DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.4	17.5	26.3

