

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108438.D
 Acq On : 23 Aug 2018 23:16
 Operator : JU/SJ
 Sample : J4559-08 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-145-052

Quant Time: Aug 24 01:07:08 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 22 11:01:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	135591	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	524608	20.00	ng	0.00
38) Acenaphthene-d10	10.05	164	242940	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	384692	20.00	ng	0.00
75) Chrysene-d12	14.19	240	281577	20.00	ng	0.00
86) Perylene-d12	15.75	264	259532	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	126039	16.83	ng	-0.01
7) Phenol-d6	6.61	99	175294	17.61	ng	-0.02
23) Nitrobenzene-d5	7.56	82	110382	11.74	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	32989	13.61	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	196416	12.98	ng	-0.01
78) Terphenyl-d14	13.12	244	128882	11.64	ng	0.00

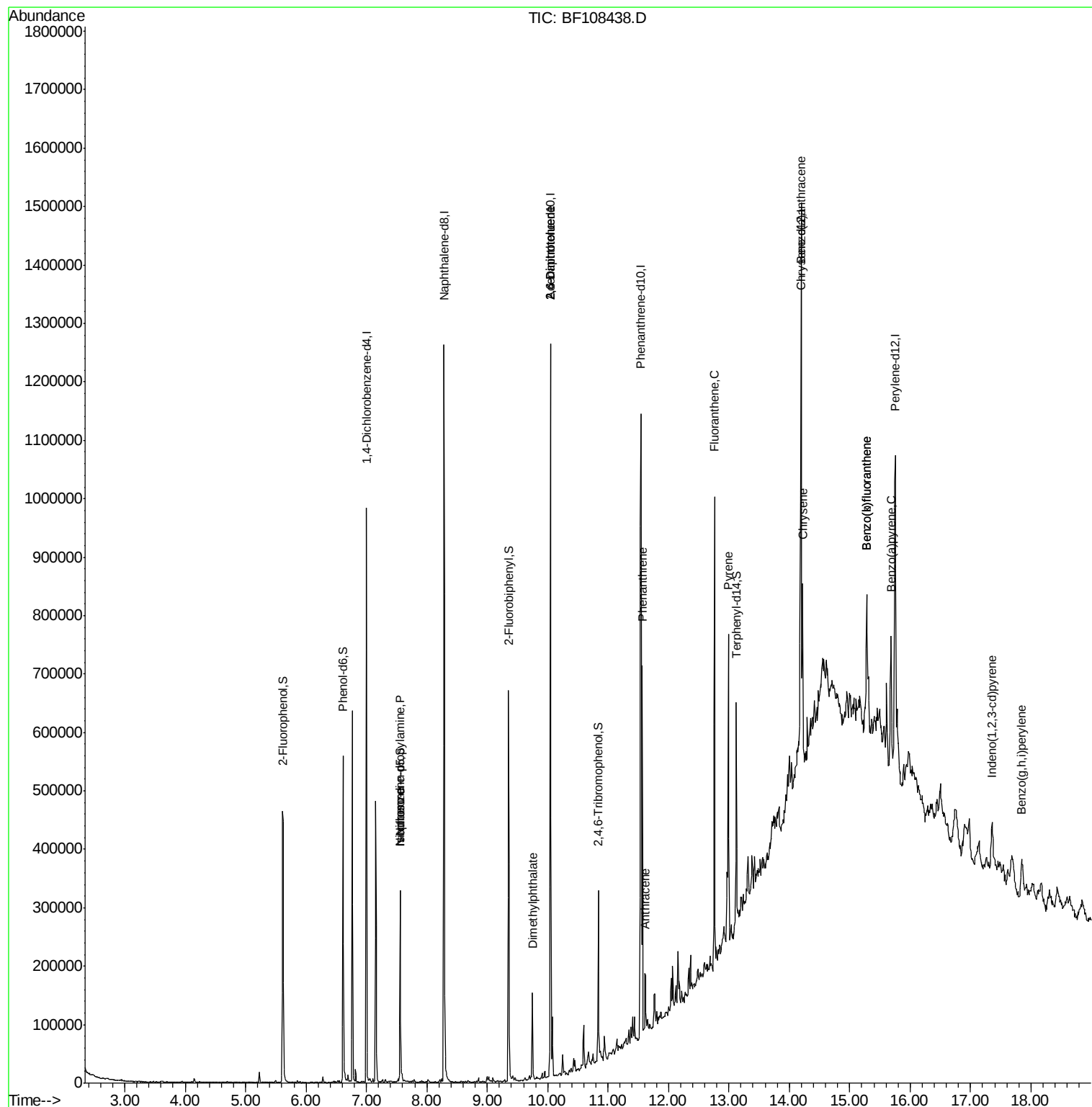
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.55	70	14381	2.137	ng	# 84
25) Isophorone	7.56	82	110381	6.160	ng	# 64
49) Dimethylphthalate	9.75	163	61137	3.613	ng	# 98
50) 2,6-Dinitrotoluene	10.05	165	31741	8.965	ng	# 26
56) 2,4-Dinitrotoluene	10.05	165	31741	6.965	ng	# 24
70) Phenanthrene	11.57	178	220085	12.130	ng	99
71) Anthracene	11.62	178	41466	2.230	ng	96
74) Fluoranthene	12.76	202	290198	14.655	ng	95
77) Pyrene	13.00	202	237209	13.306	ng	99
80) Benzo(a)anthracene	14.18	228	109891	6.800	ng	97
82) Chrysene	14.22	228	101727	6.866	ng	98
85) Indeno(1,2,3-cd)pyrene	17.35	276	49444	3.852	ng	# 90
87) Benzo(b)fluoranthene	15.28	252	185690	11.974	ng	# 93
88) Benzo(k)fluoranthene	15.28	252	185690	13.026	ng	# 96
89) Benzo(a)pyrene	15.68	252	92361	6.651	ng	# 95
91) Benzo(g,h,i)perylene	17.85	276	46431	4.104	ng	# 87

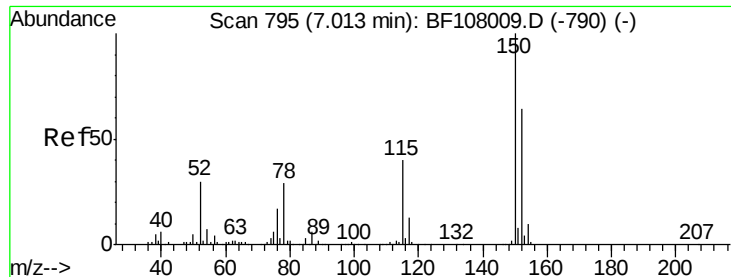
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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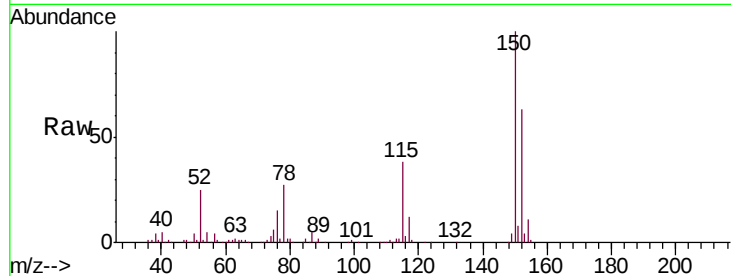


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.4	50.1	75.1

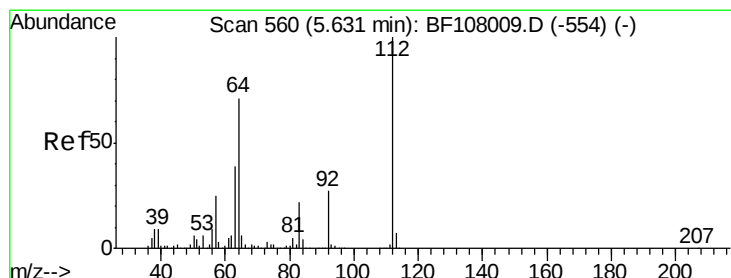
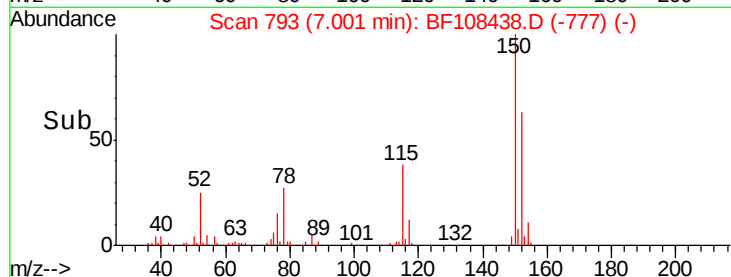
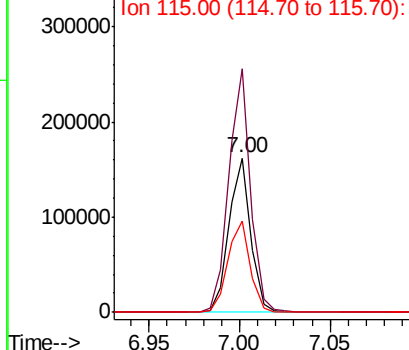


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

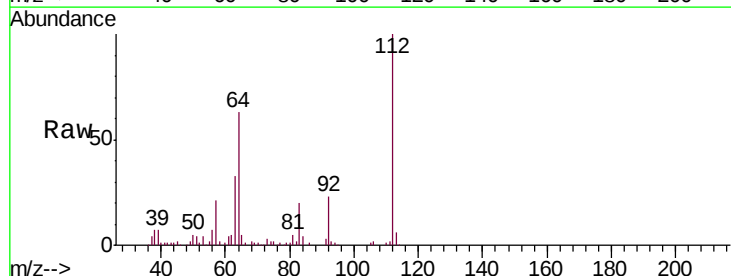
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 16.829 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	32.8	23.7	35.5

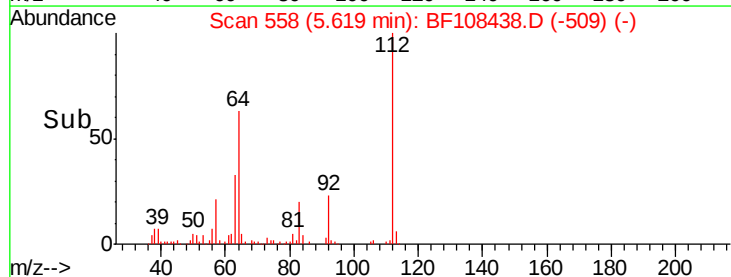
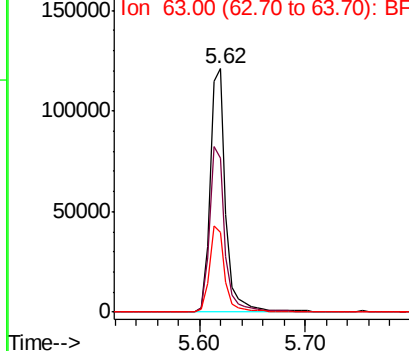


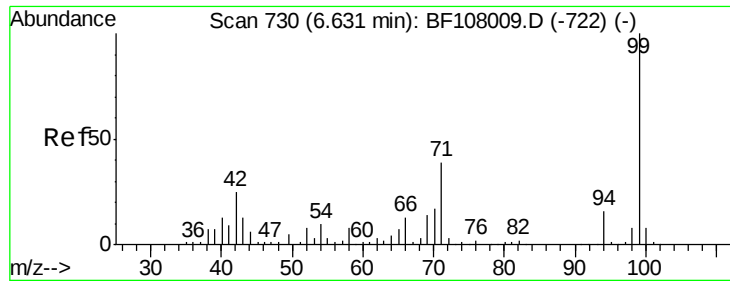
Abundance

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: 17.613 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Instrument :

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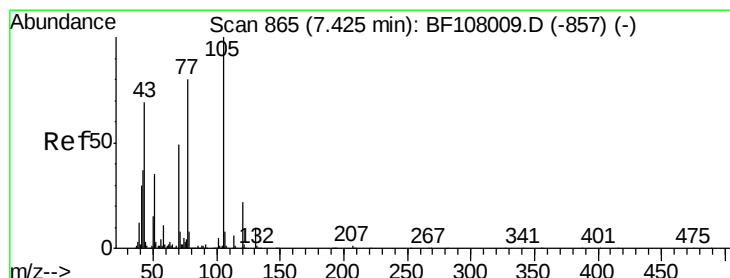
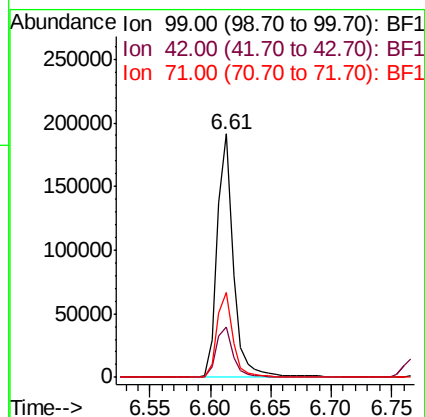
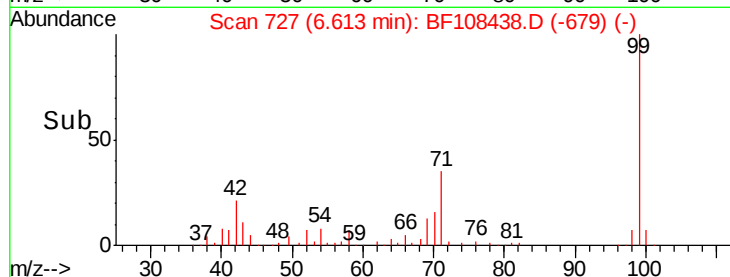
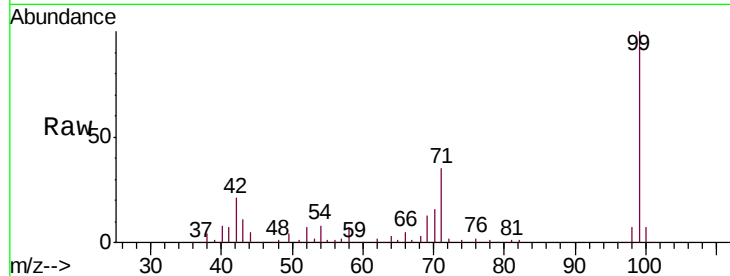
Tgt Ion: 99 Resp: 175294

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 35.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.137 ng

RT: 7.55 min Scan# 887

Delta R.T. 0.14 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Tgt Ion: 70 Resp: 14381

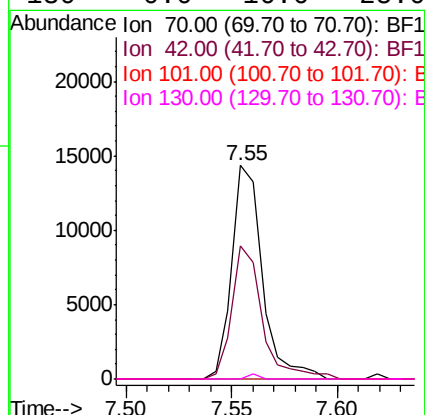
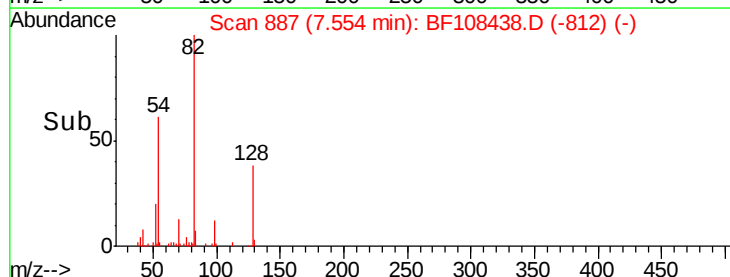
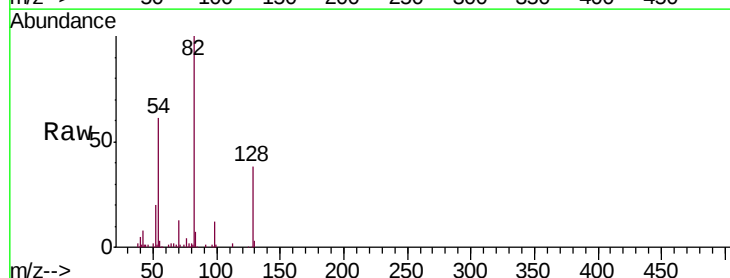
Ion Ratio Lower Upper

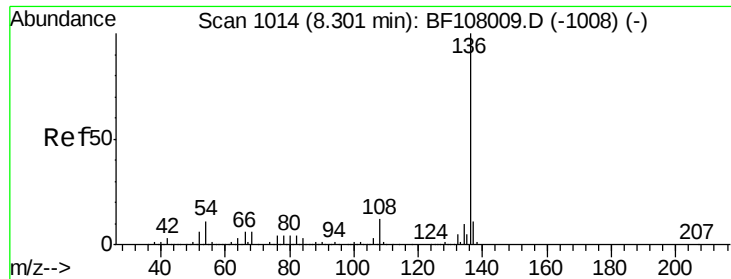
70 100

42 62.3 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

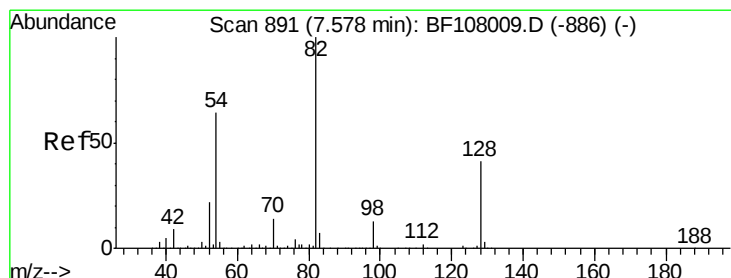
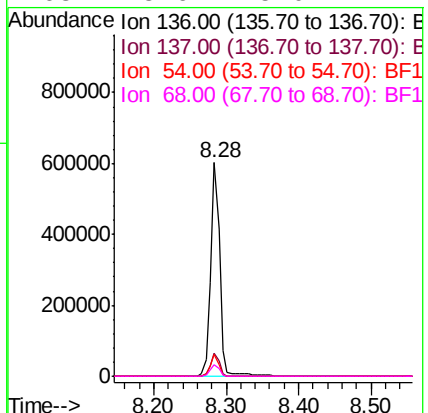
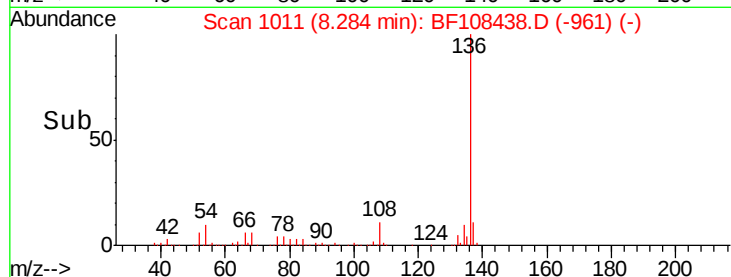
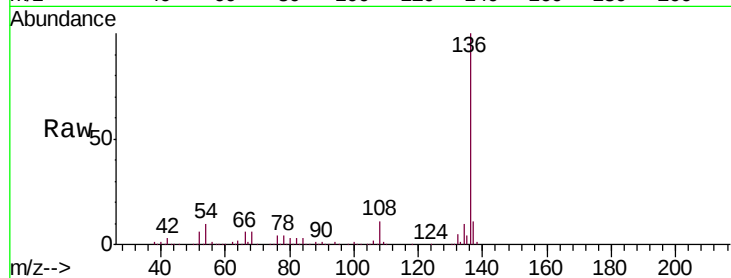




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

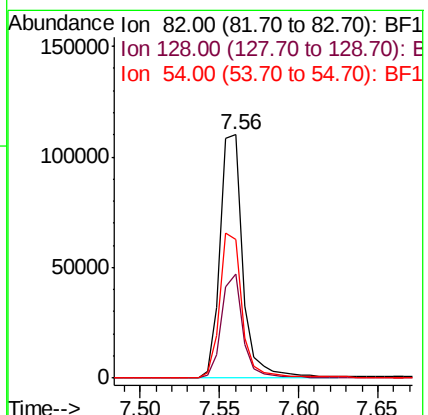
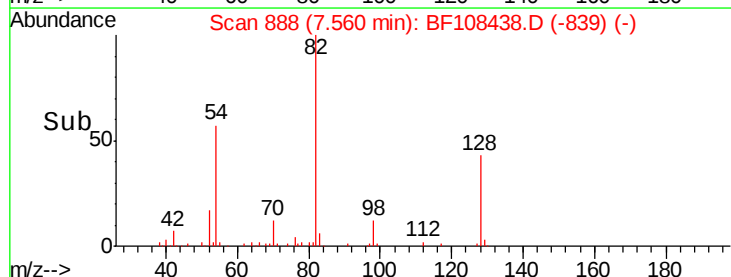
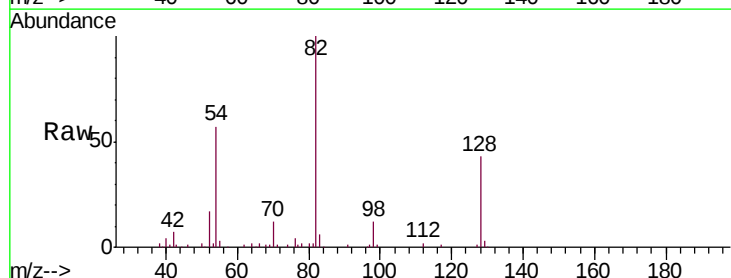
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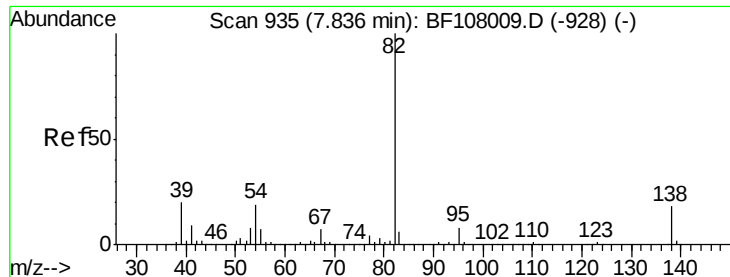
Tgt Ion:	136	Resp:	524608
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.0	6.6	9.8#
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 11.741 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion:	82	Resp:	110382
Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.1	54.1
54	56.7	41.4	62.2





#25

Isophorone

Concen: 6.160 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-145-052

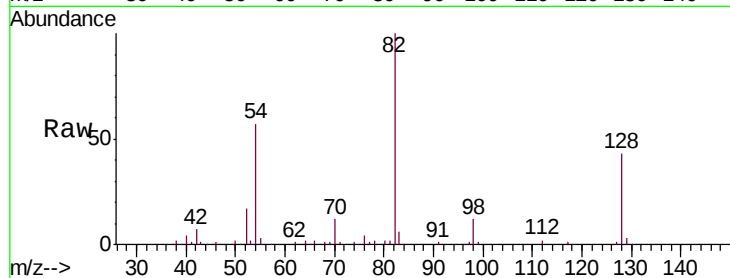
Tgt Ion: 82 Resp: 110381

Ion Ratio Lower Upper

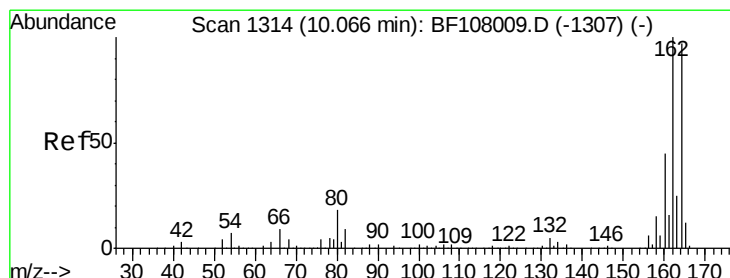
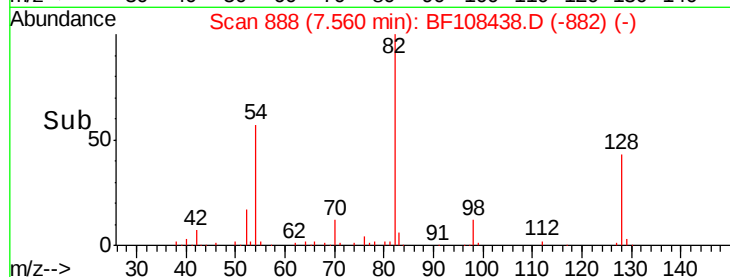
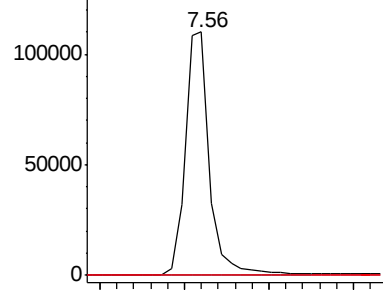
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
150000
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

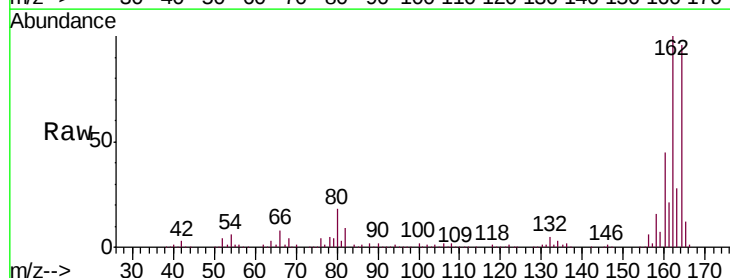
Tgt Ion: 164 Resp: 242940

Ion Ratio Lower Upper

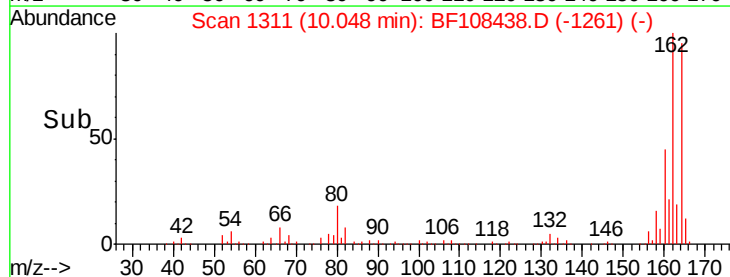
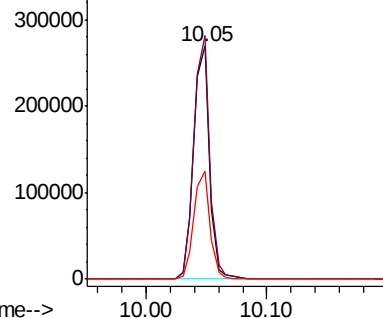
164 100

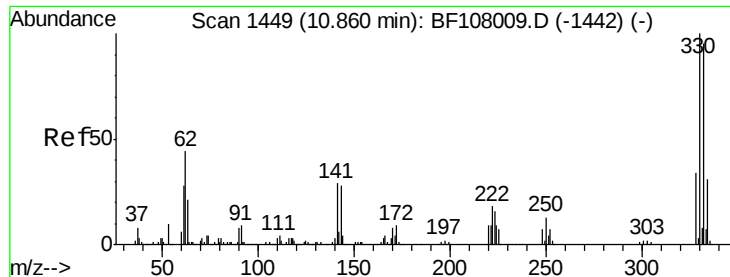
162 104.5 86.1 129.1

160 46.5 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

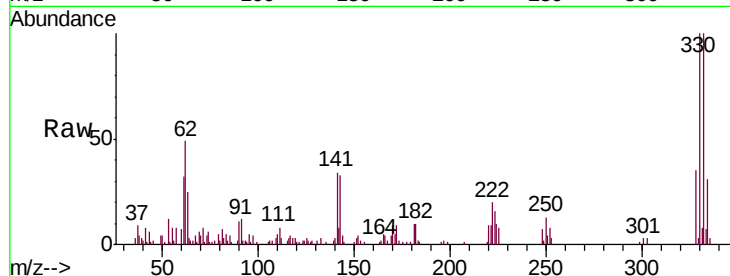




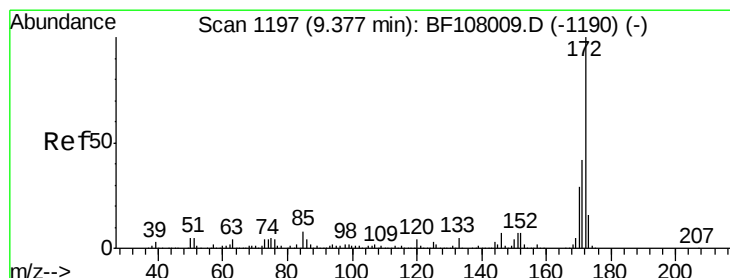
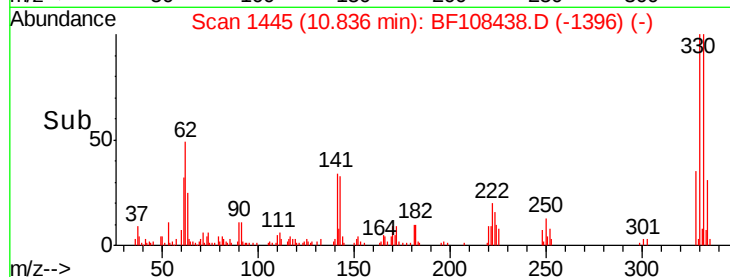
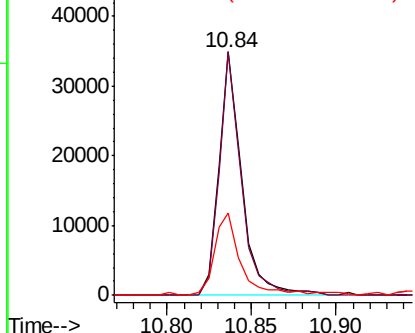
#41
 2,4,6-Tribromophenol
 Concen: 13.613 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Instrument :
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 RA-081718-SSW-145-052

Tgt Ion: 330 Resp: 32989
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 39.2 29.9 44.9

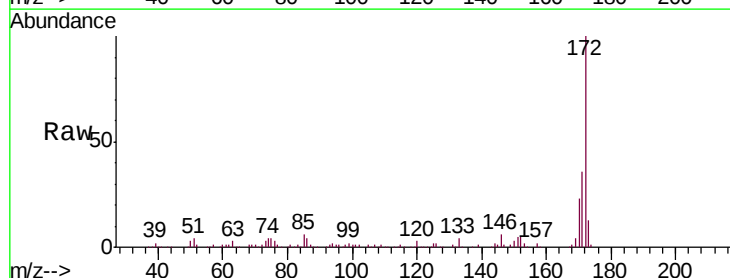


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

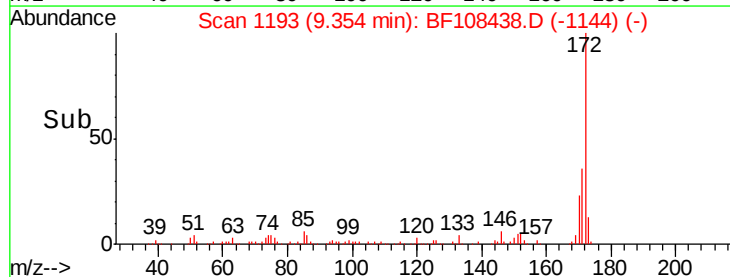
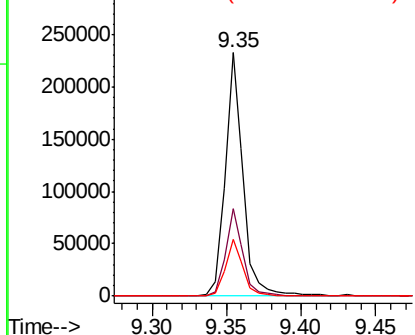


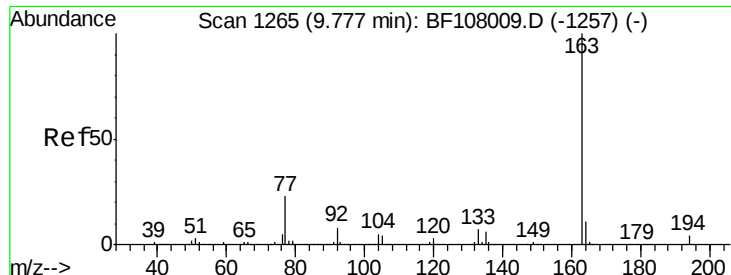
#44
 2-Fluorobiphenyl
 Concen: 12.980 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Tgt Ion: 172 Resp: 196416
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 23.3 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

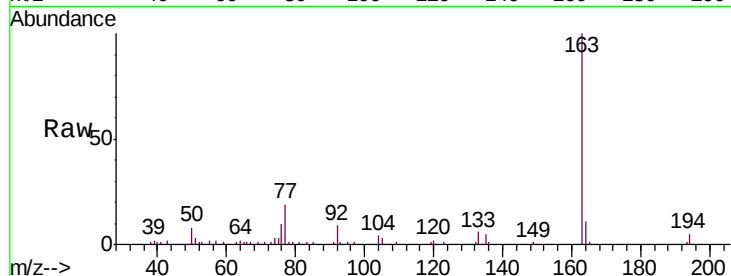




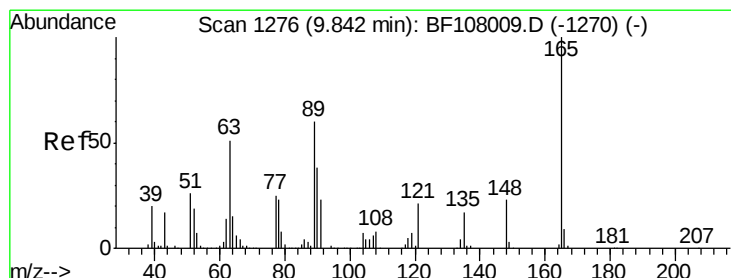
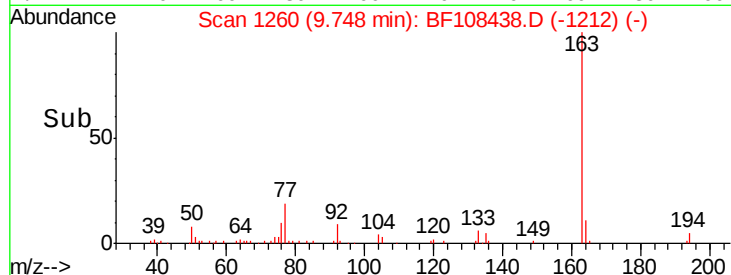
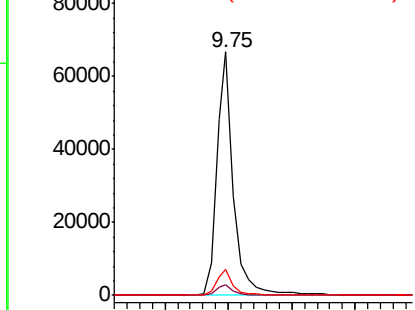
#49
Dimethylphthalate
Concen: 3.613 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

Tgt Ion:163 Resp: 61137
Ion Ratio Lower Upper
163 100
194 4.5 2.7 4.1#
164 10.6 8.2 12.2

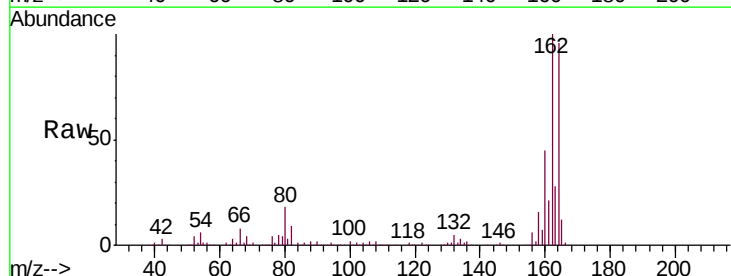


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

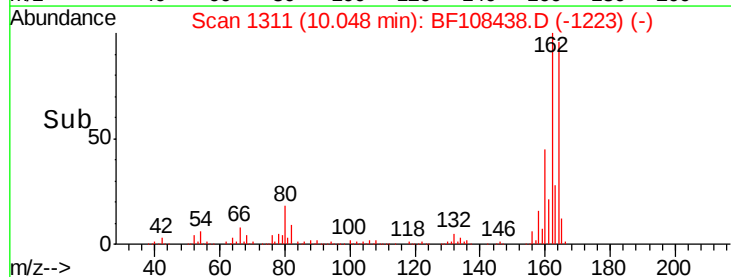
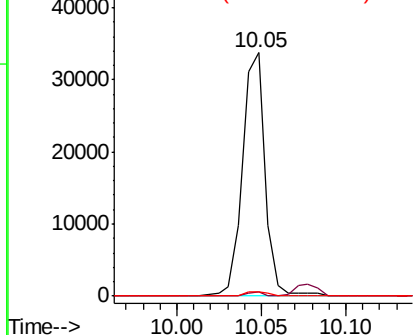


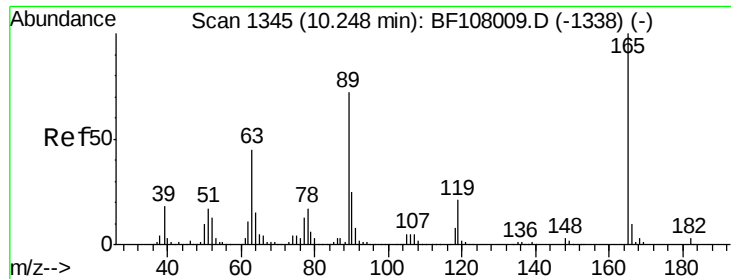
#50
2,6-Dinitrotoluene
Concen: 8.965 ng
RT: 10.05 min Scan# 1311
Delta R.T. 0.22 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion:165 Resp: 31741
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.7 44.0 66.0#



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

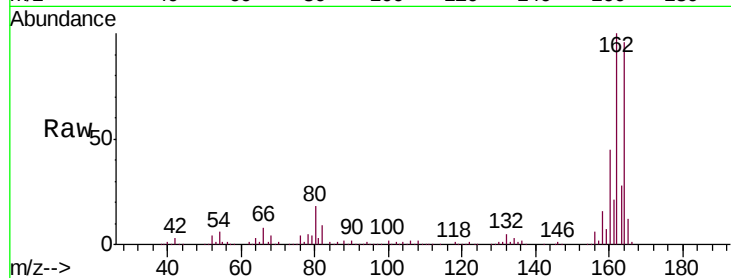




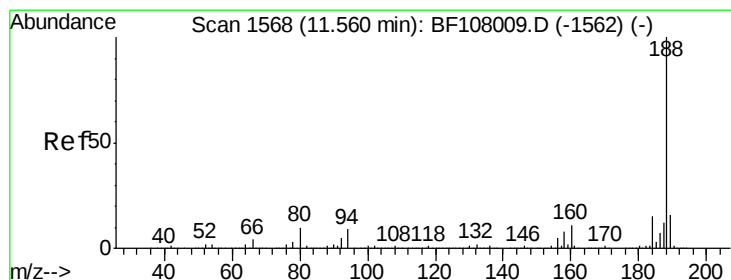
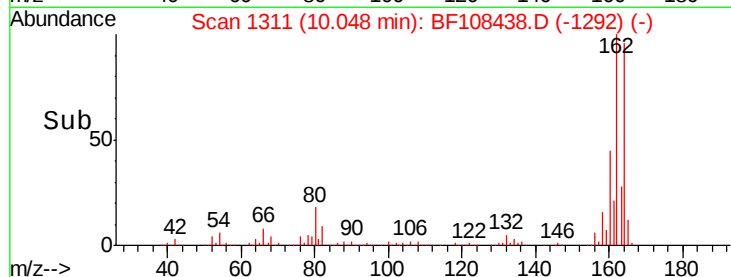
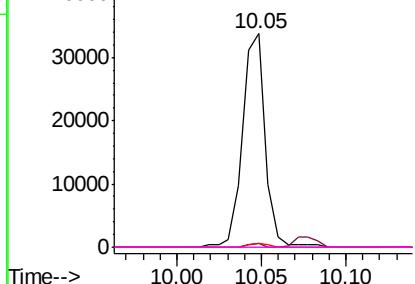
#56
 2,4-Dinitrotoluene
 Concen: 6.965 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. -0.19 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-145-052

Tgt Ion:	165	Resp:	31741
Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

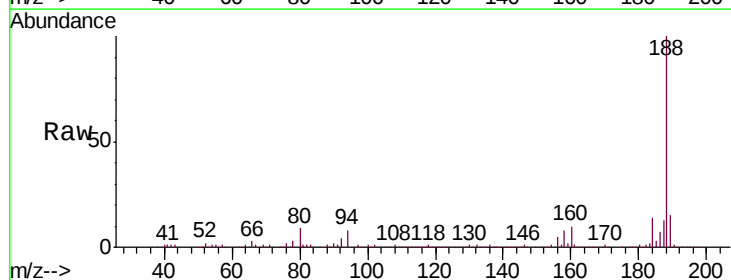


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

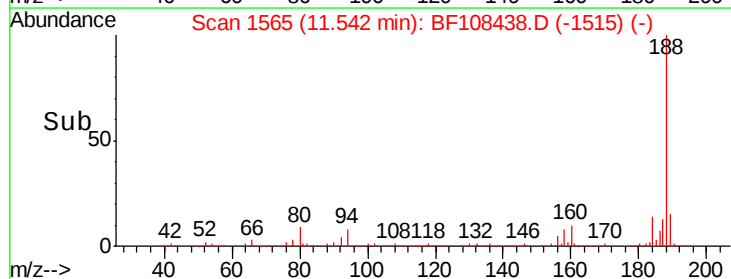
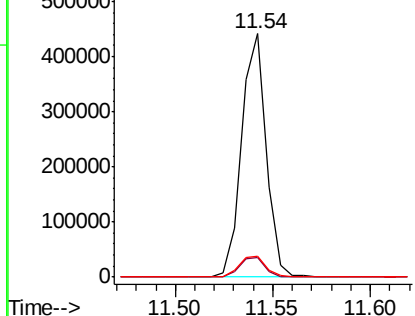


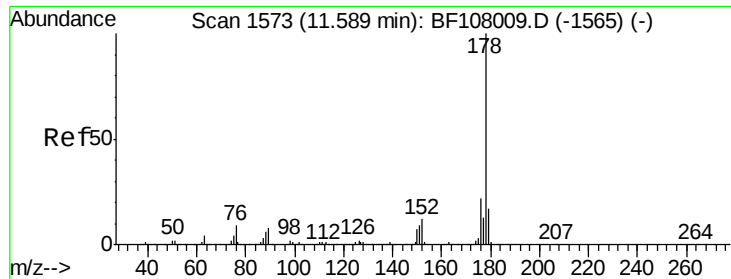
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108438.D
 Acq: 23 Aug 2018 23:16

Tgt Ion:	188	Resp:	384692
Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.6	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

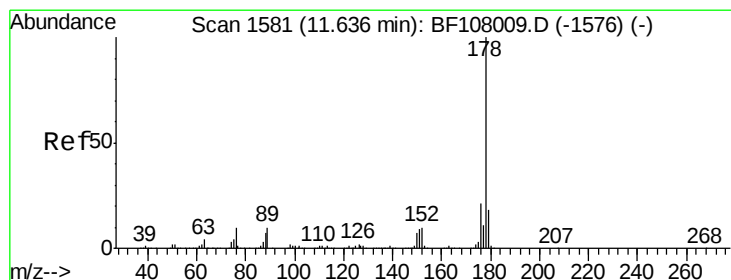
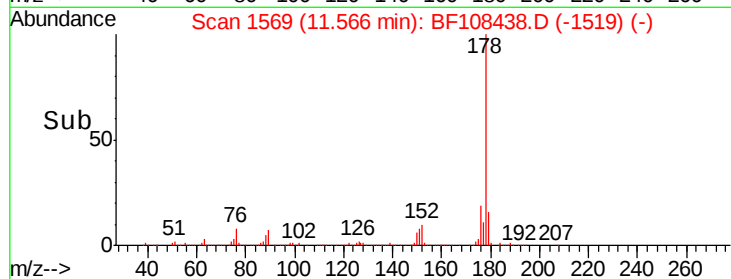
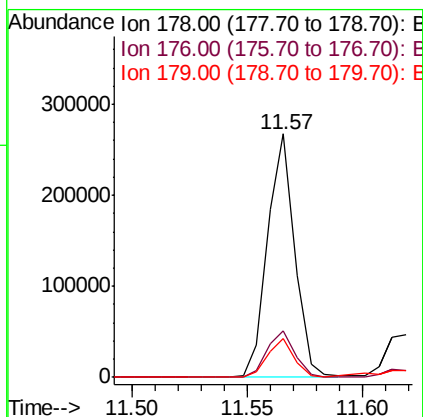
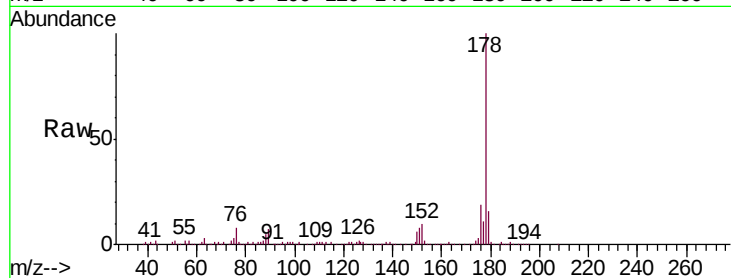




#70
Phenanthrene
Concen: 12.130 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

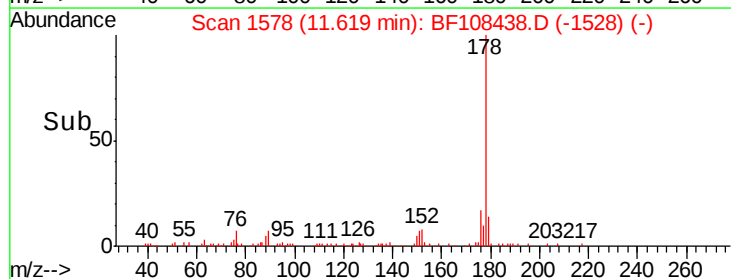
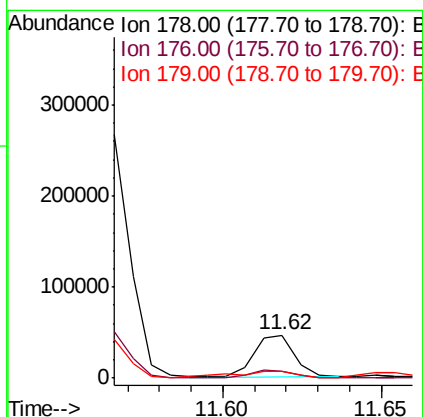
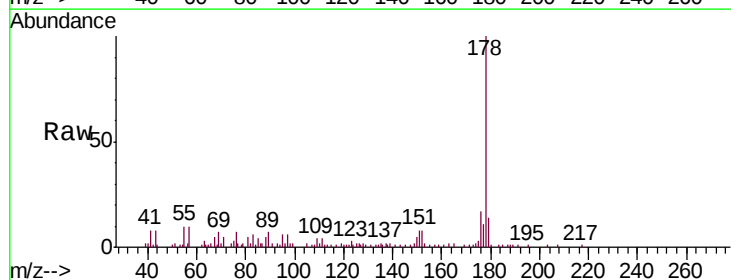
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-145-052

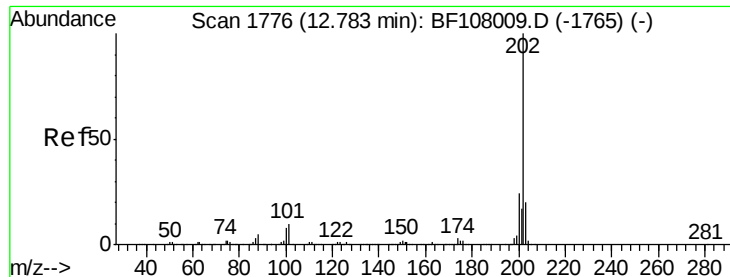
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.9	13.0	19.6



#71
Anthracene
Concen: 2.230 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108438.D
Acq: 23 Aug 2018 23:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	14.4	12.6	19.0





#74

Fluoranthene

Concen: 14.655 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

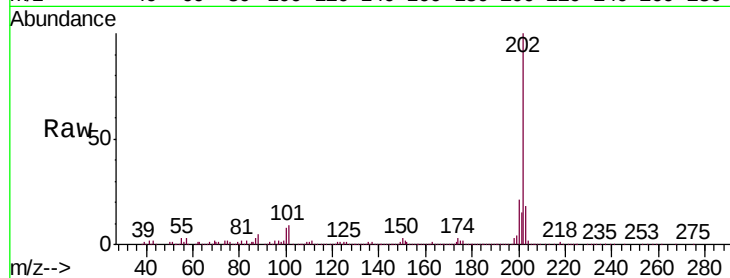
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-145-052

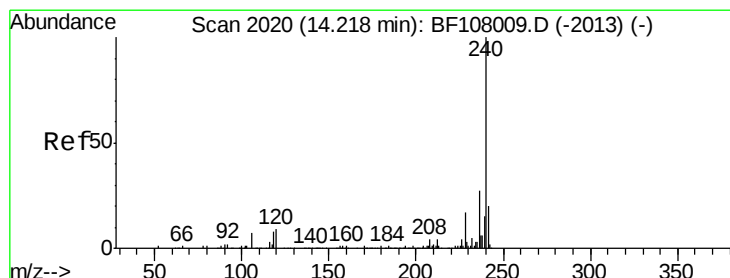
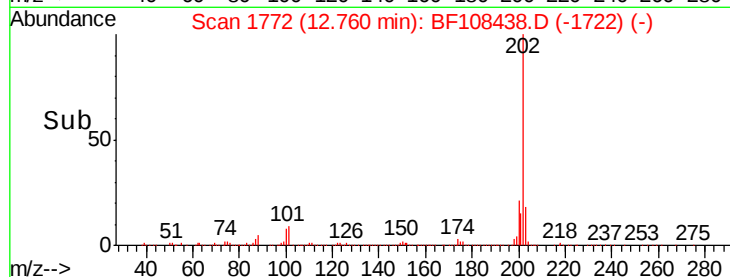
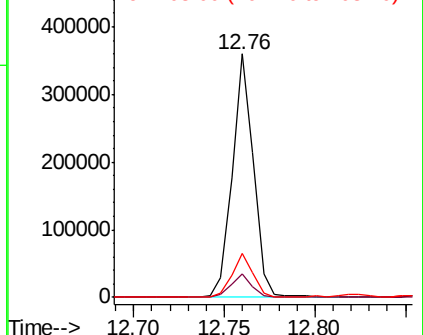
Tgt Ion:	202	Resp:	290198
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	34.1
203	18.0	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

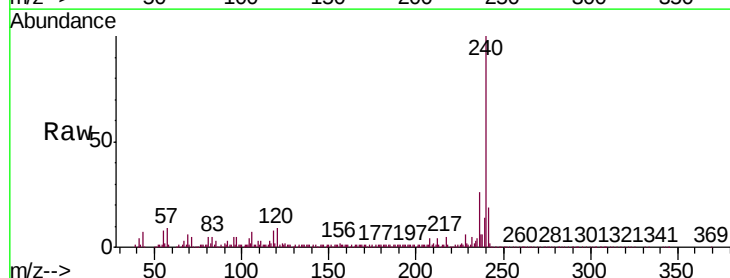
RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

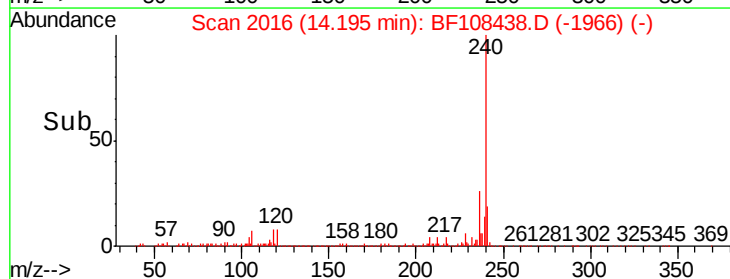
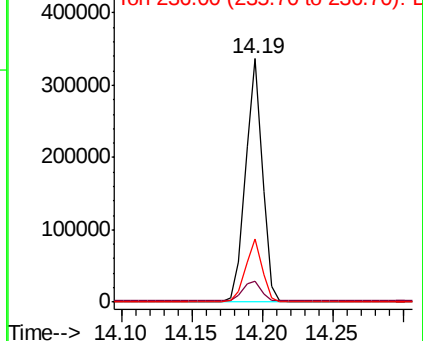
Tgt Ion:	240	Resp:	281577
Ion Ratio	Lower	Upper	
240	100		
120	8.8	9.5	14.3#
236	25.7	20.7	31.1

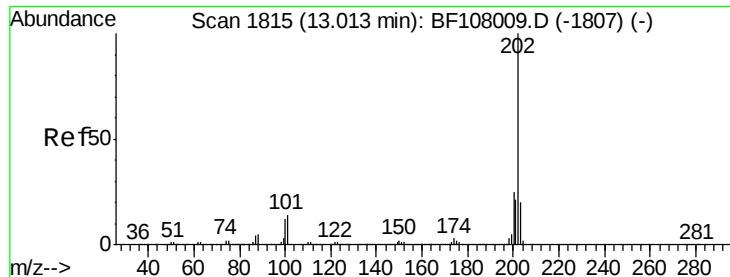


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 13.306 ng

RT: 13.00 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

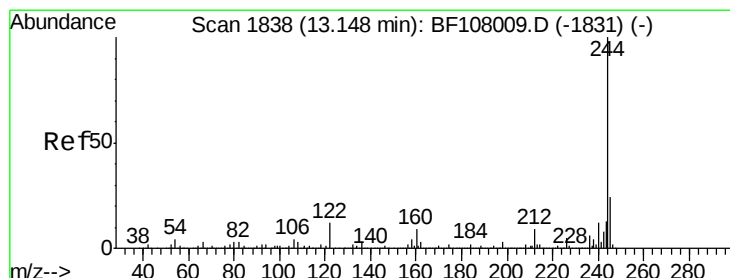
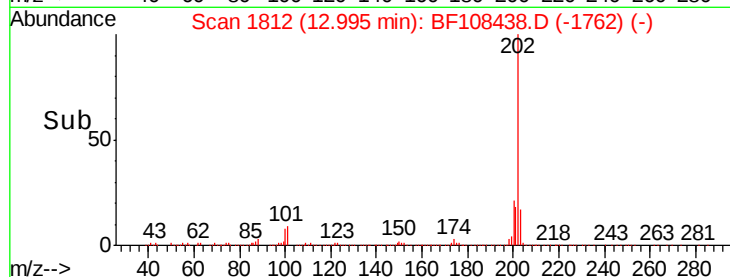
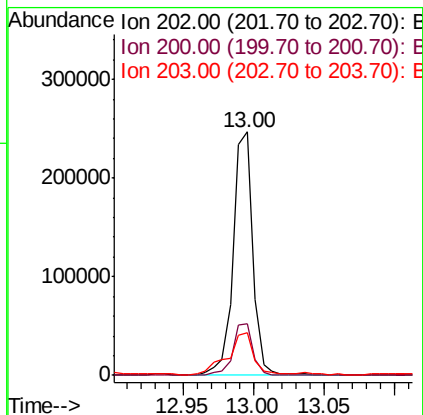
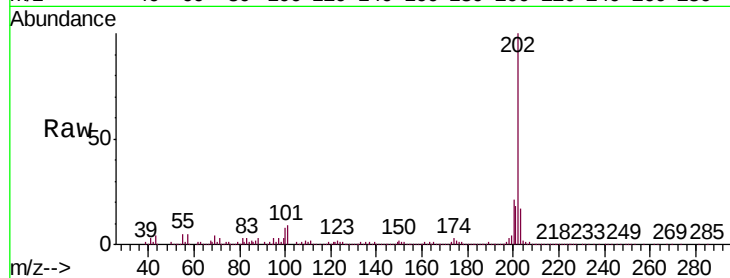
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-145-052

Tgt Ion:	202	Resp:	237209
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.4	14.3	21.5



#78

Terphenyl-d14

Concen: 11.638 ng

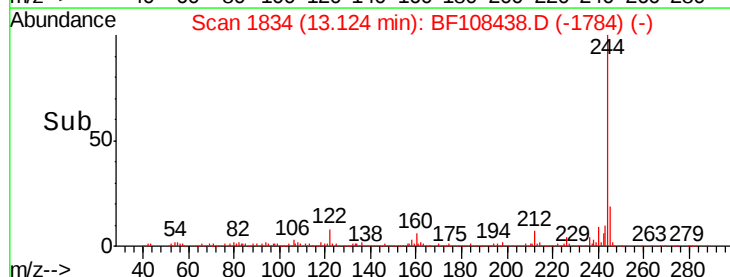
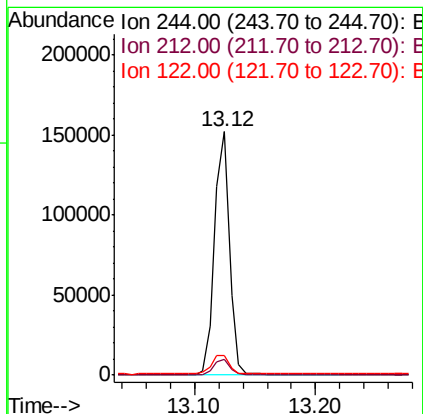
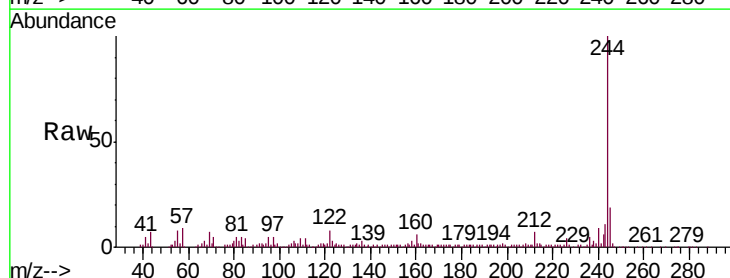
RT: 13.12 min Scan# 1834

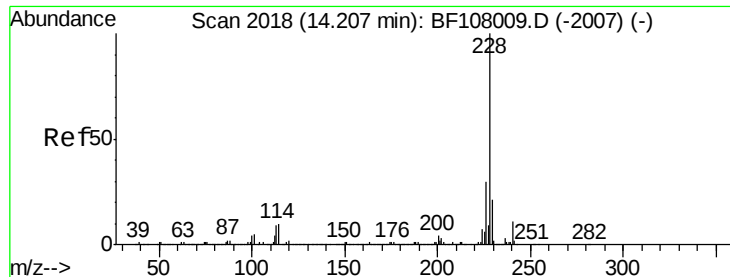
Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Tgt Ion:	244	Resp:	128882
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.1	11.0	16.4





#80

Benzo(a)anthracene

Concen: 6.800 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

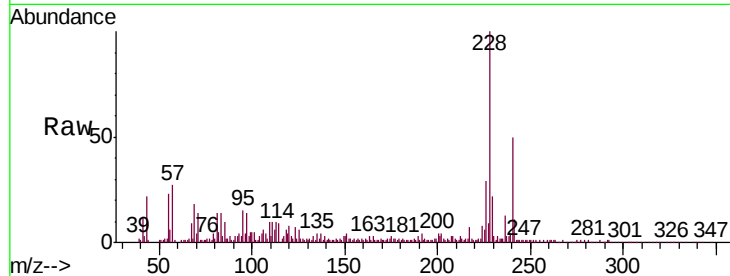
Instrument :

BNA_F

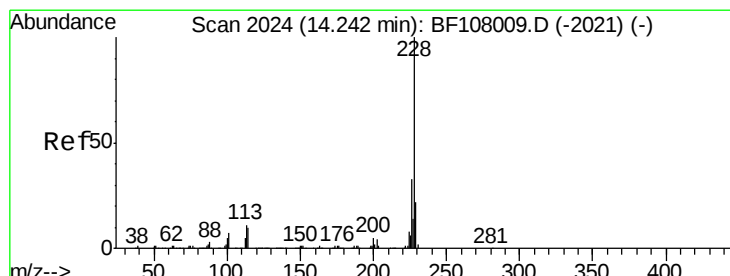
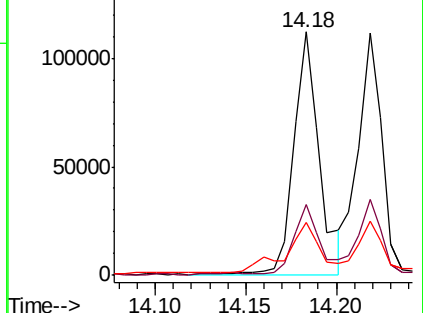
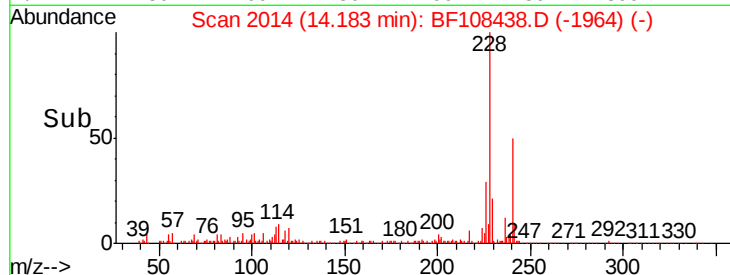
ClientSampleId :

RA-081718-SSW-145-052

Tgt Ion:	228	Resp:	109891
Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.8	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 6.866 ng

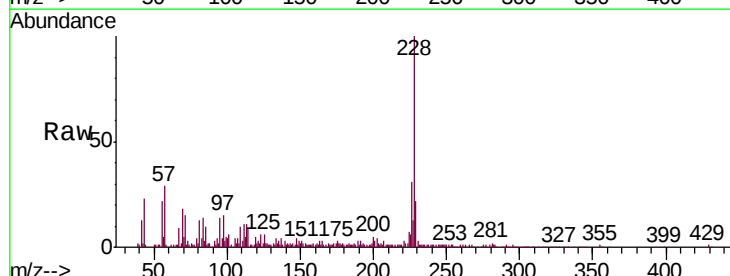
RT: 14.22 min Scan# 2020

Delta R.T. -0.01 min

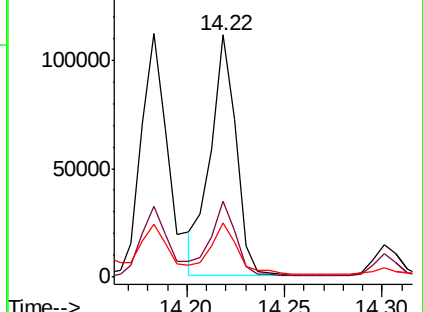
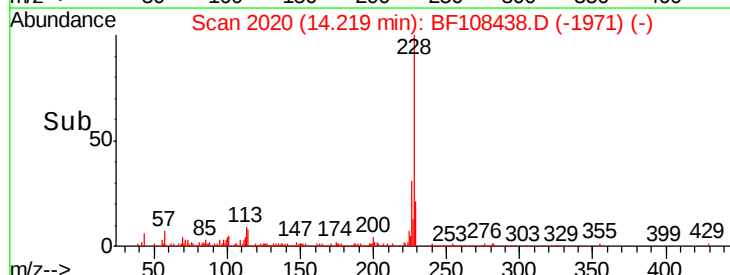
Lab File: BF108438.D

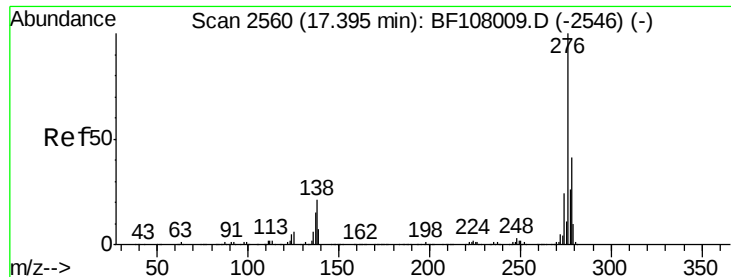
Acq: 23 Aug 2018 23:16

Tgt Ion:	228	Resp:	101727
Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	22.2	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E
150000 Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 3.852 ng

RT: 17.35 min Scan# 2553

Delta R.T. -0.02 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-145-052

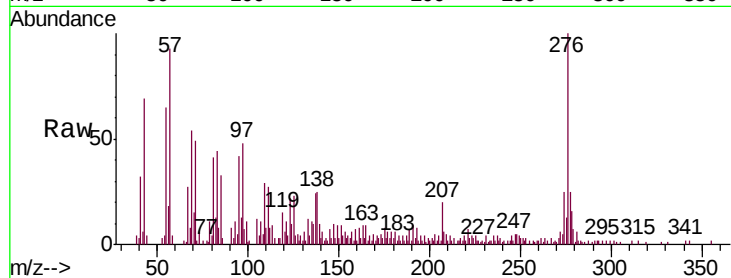
Tgt Ion:276 Resp: 49444

Ion Ratio Lower Upper

276 100

138 21.8 25.0 37.6#

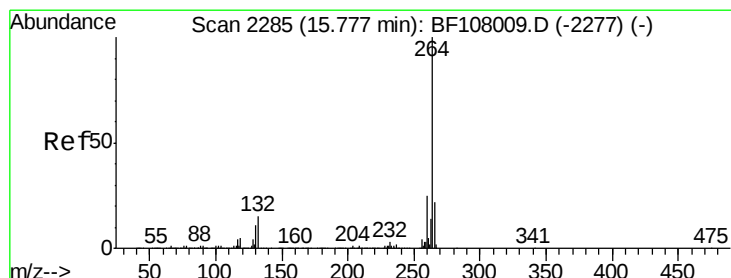
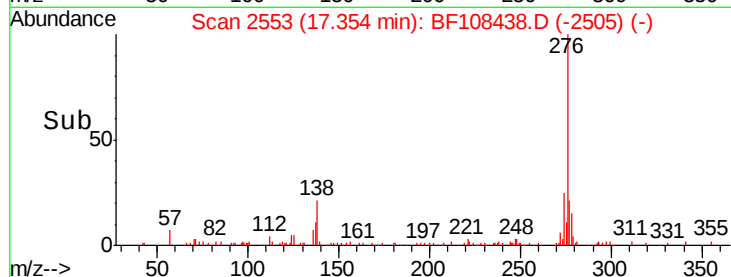
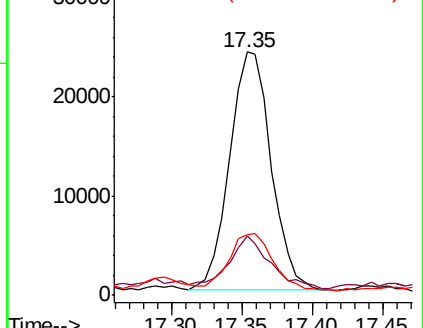
277 25.0 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

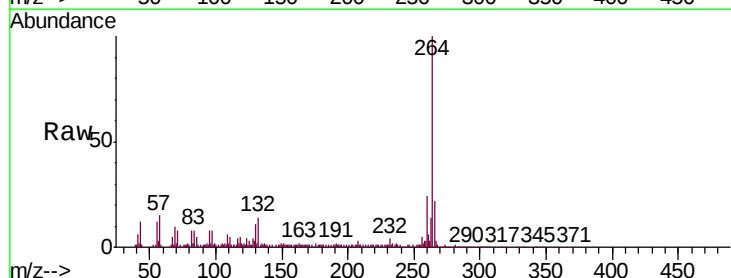
Tgt Ion:264 Resp: 259532

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

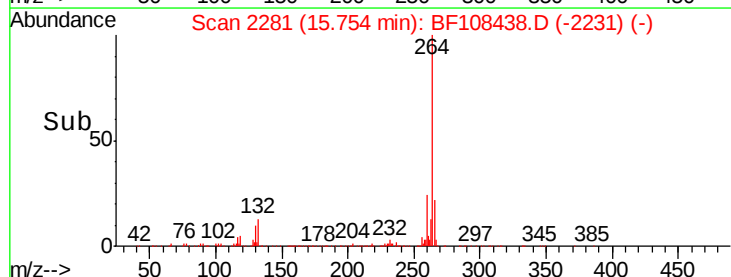
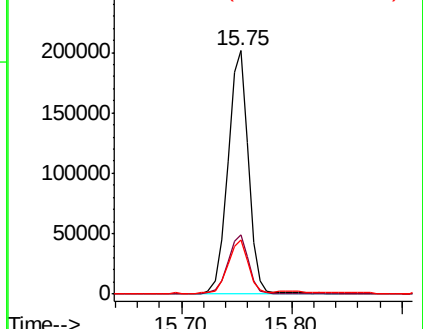
265 22.2 17.5 26.3

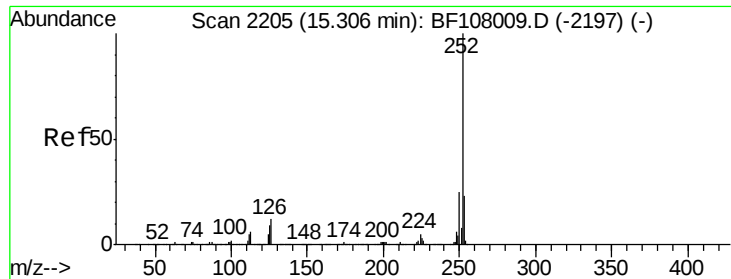


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.974 ng

RT: 15.28 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

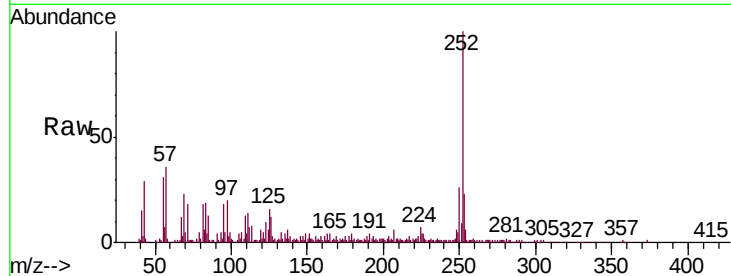
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-145-052

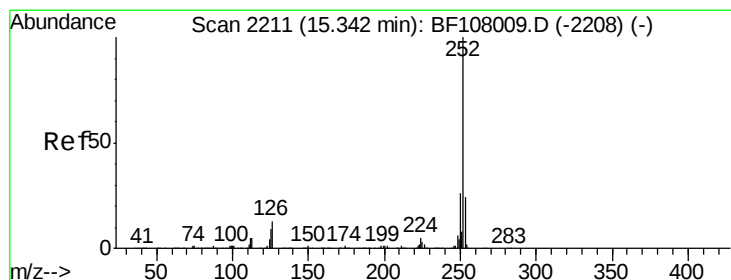
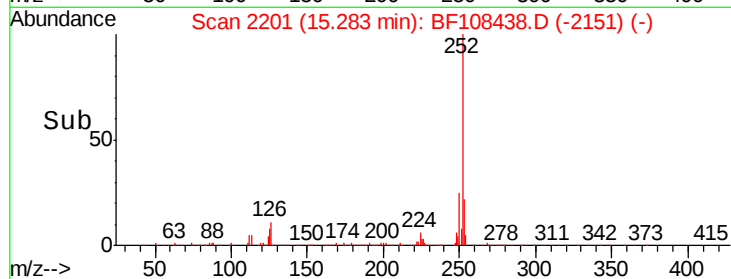
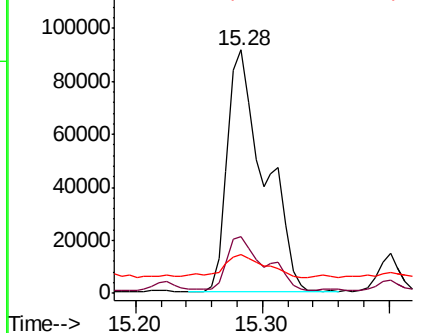
Tgt Ion:	252	Resp:	185690
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.7	9.0	13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 13.026 ng

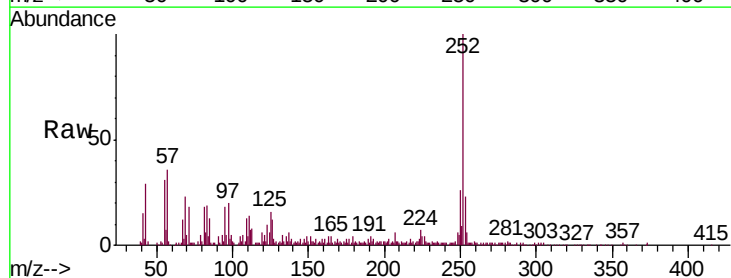
RT: 15.28 min Scan# 2201

Delta R.T. -0.04 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

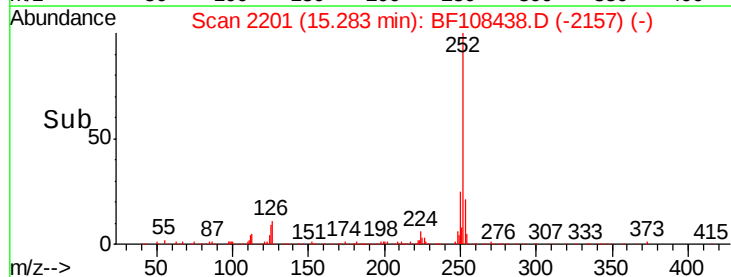
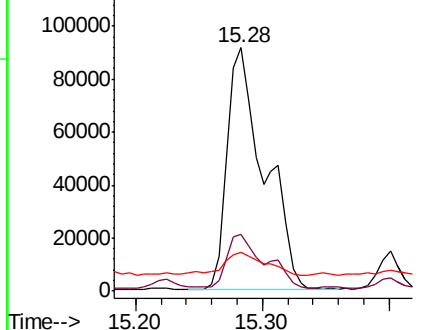
Tgt Ion:	252	Resp:	185690
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	15.7	10.2	15.2#

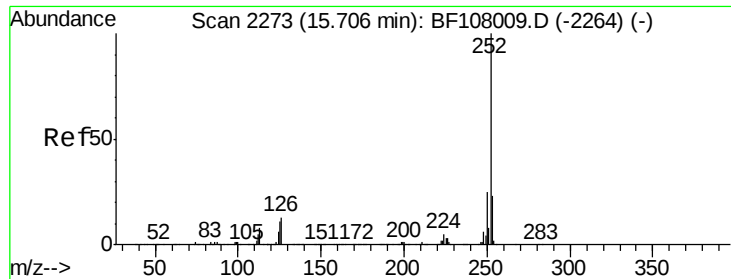


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.651 ng

RT: 15.68 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

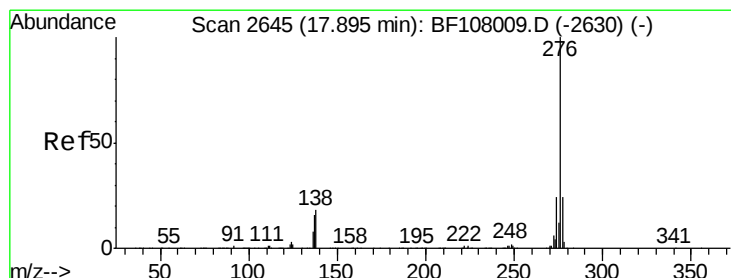
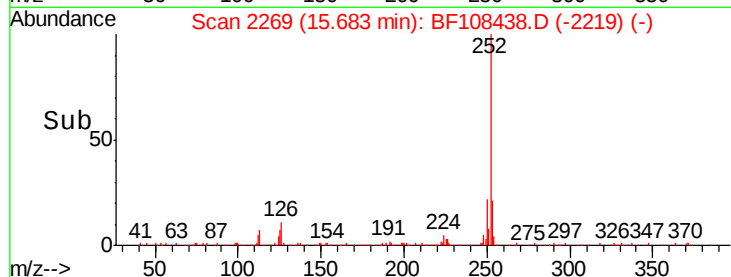
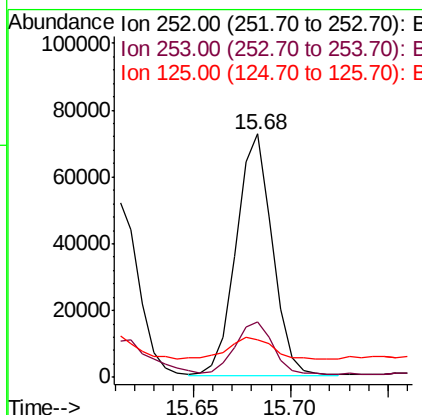
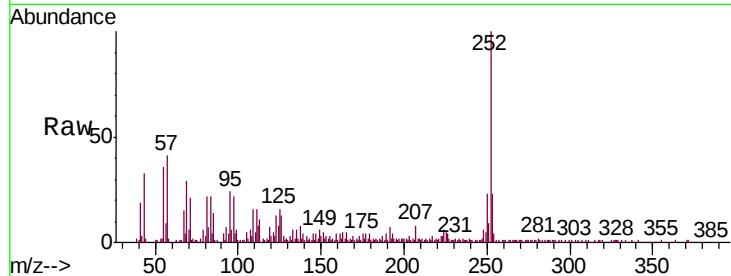
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-145-052

Tgt Ion:	252	Resp:	92361
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	15.5	9.8	14.6#



#91

Benzo(g,h,i)perylene

Concen: 4.104 ng

RT: 17.85 min Scan# 2638

Delta R.T. -0.01 min

Lab File: BF108438.D

Acq: 23 Aug 2018 23:16

Tgt Ion:	276	Resp:	46431
Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	17.1	21.8	32.8#

