

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108436.D
 Acq On : 23 Aug 2018 22:21
 Operator : JU/SJ
 Sample : J4559-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

Quant Time: Aug 24 01:06:37 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	130916	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	493875	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	204004	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	314303	20.00	ng	0.00
75) Chrysene-d12	14.21	240	227964	20.00	ng	0.01
86) Perylene-d12	15.79	264	195061	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	314332	43.47	ng	-0.01
7) Phenol-d6	6.61	99	430691	44.82	ng	-0.02
23) Nitrobenzene-d5	7.56	82	266258	30.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	78477	38.57	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	444288	34.96	ng	-0.01
78) Terphenyl-d14	13.14	244	291815	32.55	ng	0.00

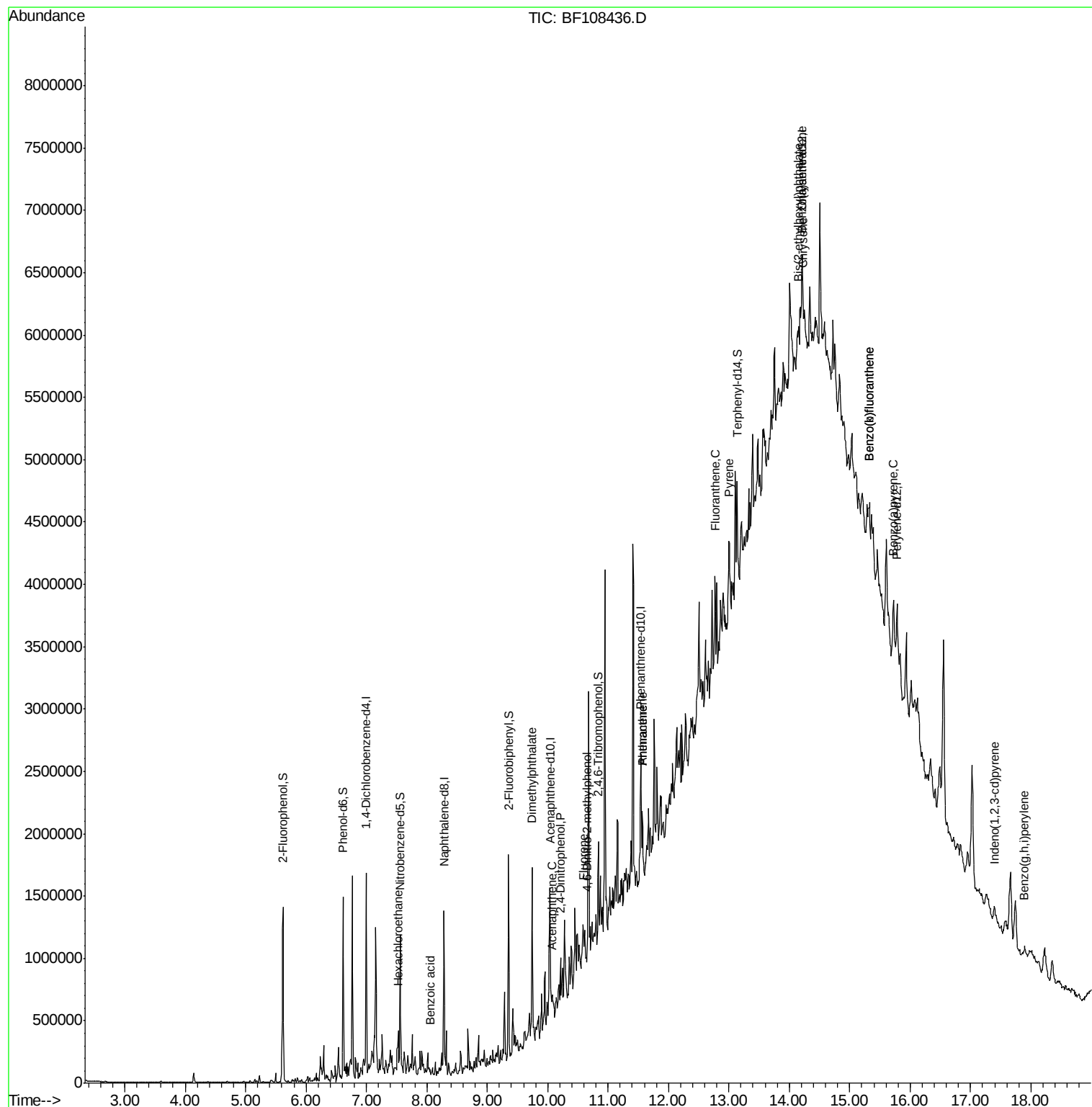
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.52	117	7255	2.154	ng	# 1
32) Benzoic acid	8.05	122	2103	6.398	ng	# 57
49) Dimethylphthalate	9.75	163	123335	8.679	ng	# 97
51) Acenaphthene	10.08	154	24264	2.108	ng	96
53) 2,4-Dinitrophenol	10.22	184	300	7.267	ng	# 1
57) Fluorene	10.60	166	33988	2.574	ng	# 92
64) 4,6-Dinitro-2-methylphenol	10.65	198	501	5.736	ng	# 1
70) Phenanthrene	11.57	178	170056	11.471	ng	97
71) Anthracene	11.57	178	170056	11.192	ng	96
74) Fluoranthene	12.77	202	283847	17.544	ng	94
77) Pyrene	13.00	202	286579	19.857	ng	96
80) Benzo(a)anthracene	14.20	228	121983	9.324	ng	# 91
82) Chrysene	14.24	228	112835	9.407	ng	# 92
83) Bis(2-ethylhexyl)phthalate	14.16	149	27277	3.515	ng	# 65
85) Indeno(1,2,3-cd)pyrene	17.41	276	50790	4.887	ng	# 88
87) Benzo(b)fluoranthene	15.32	252	173955	14.924	ng	# 23
88) Benzo(k)fluoranthene	15.32	252	173955	16.236	ng	# 26
89) Benzo(a)pyrene	15.72	252	82983	7.951	ng	# 42
91) Benzo(g,h,i)perylene	17.89	276	48746	5.732	ng	# 92

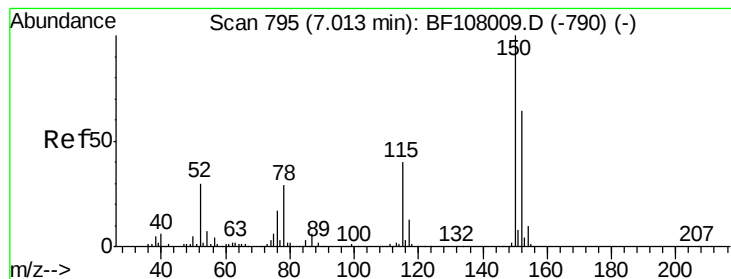
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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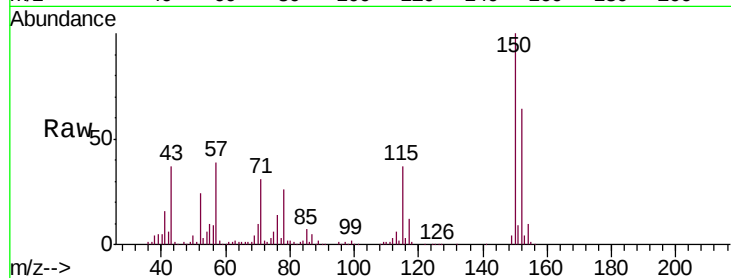


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	57.6	50.1	75.1

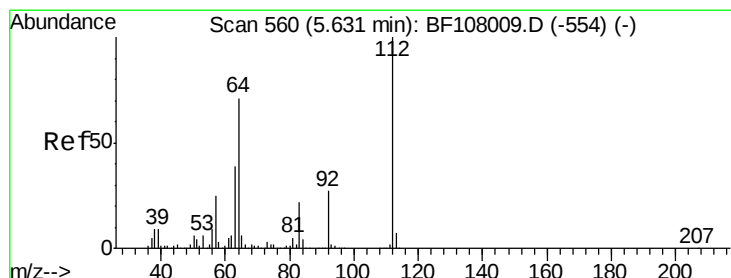
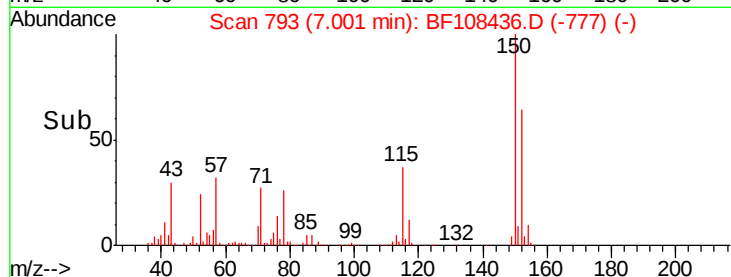
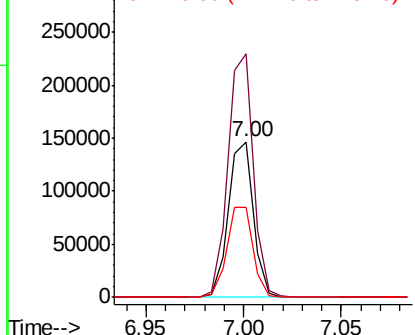


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

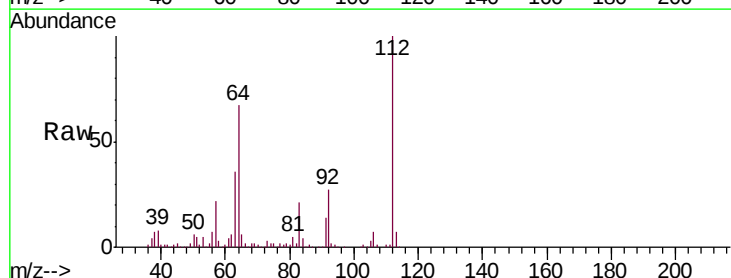
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 43.469 ng
RT: 5.62 min Scan# 558
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	36.0	23.7	35.5

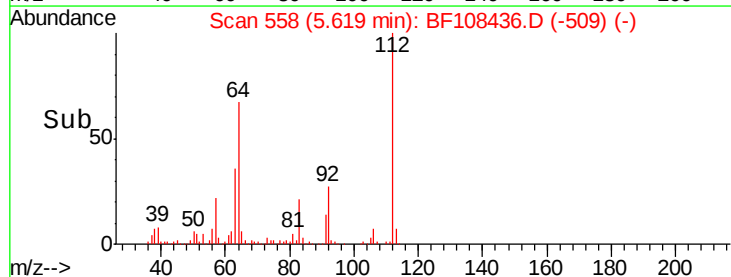
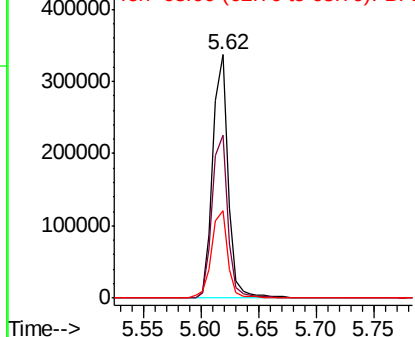


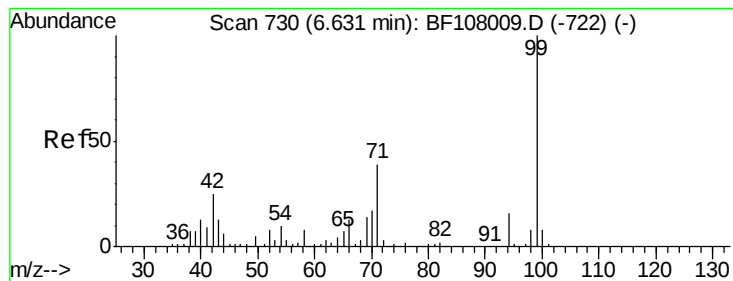
Abundance

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: 44.821 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-115-050

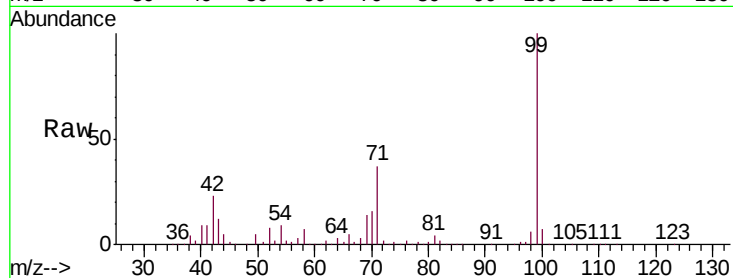
Tgt Ion: 99 Resp: 430691

Ion Ratio Lower Upper

99 100

42 22.7 14.5 21.7#

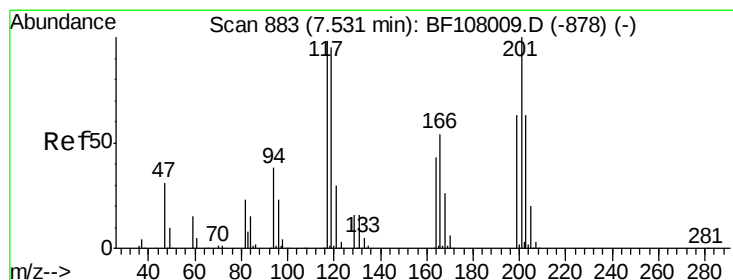
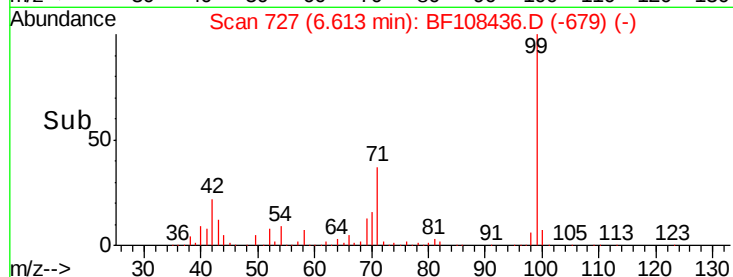
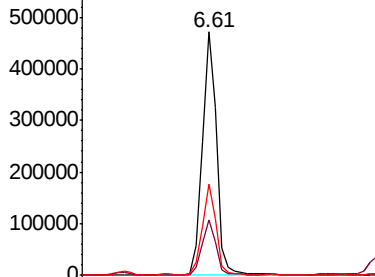
71 37.3 25.4 38.0



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



#18

Hexachloroethane

Concen: 2.154 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

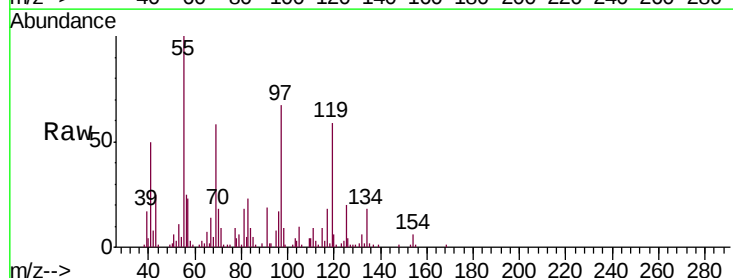
Tgt Ion: 117 Resp: 7255

Ion Ratio Lower Upper

117 100

119 334.1 75.8 113.8#

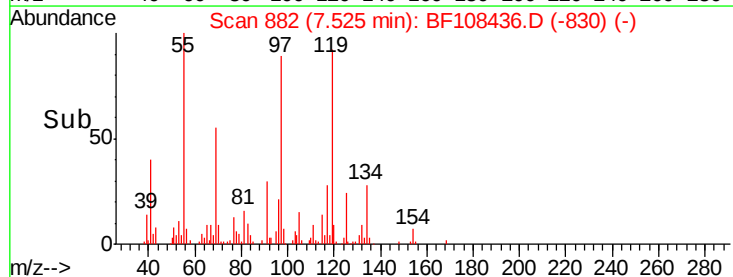
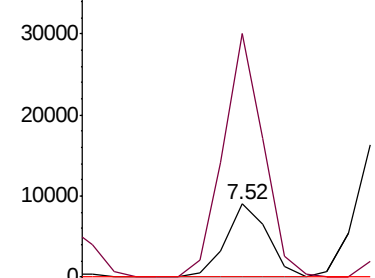
201 0.0 75.7 113.5#

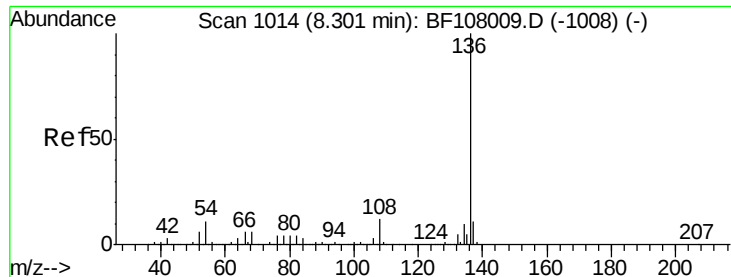


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

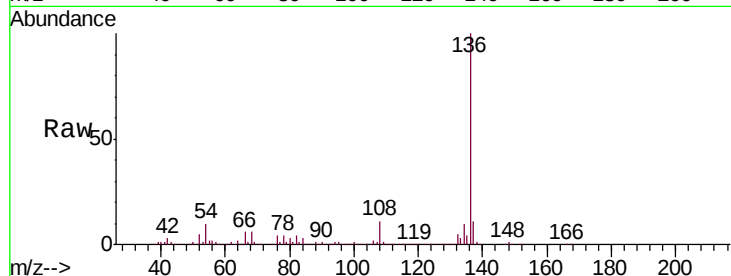




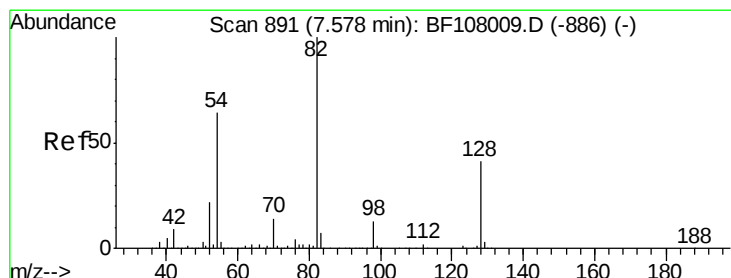
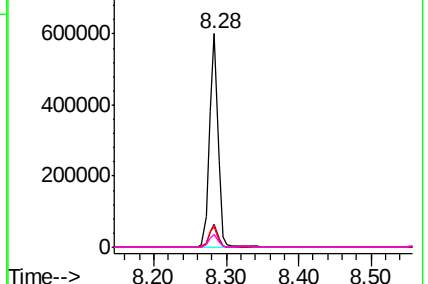
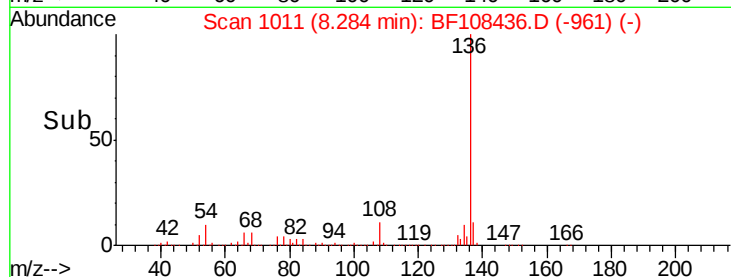
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
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RA-081718-SSW-115-050

Tgt Ion:	136	Resp:	493875
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.8	6.6	9.8
68	5.9	5.0	7.4

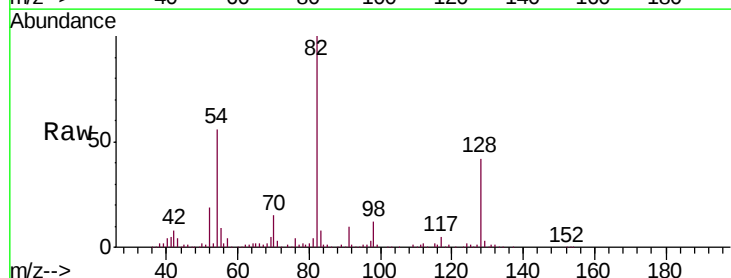


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

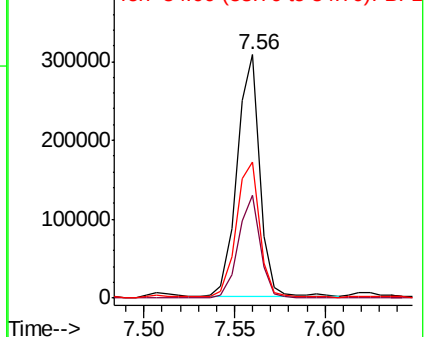
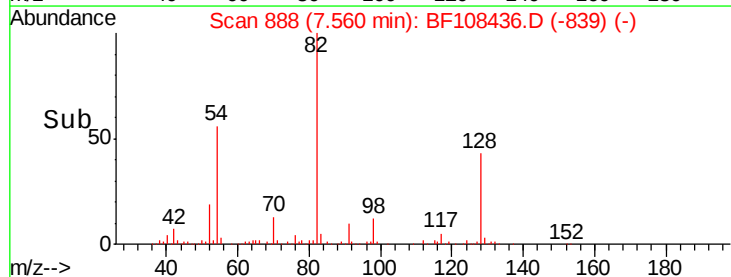


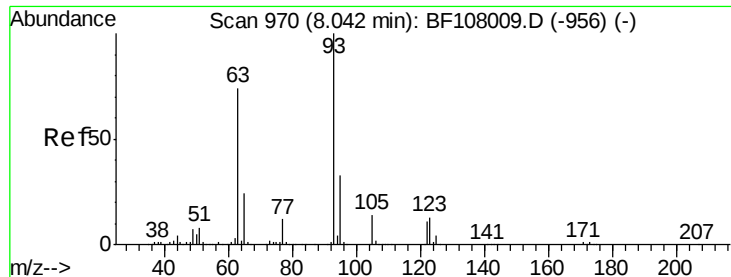
#23
Nitrobenzene-d5
Concen: 30.084 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion:	82	Resp:	266258
Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	55.7	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

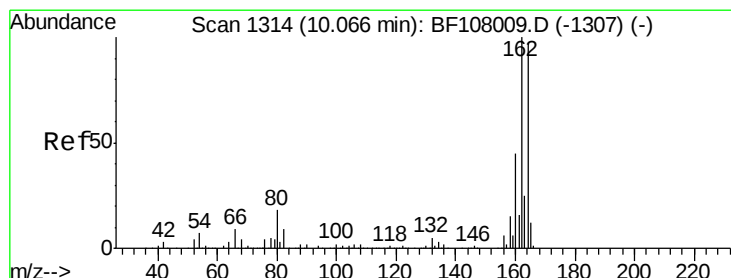
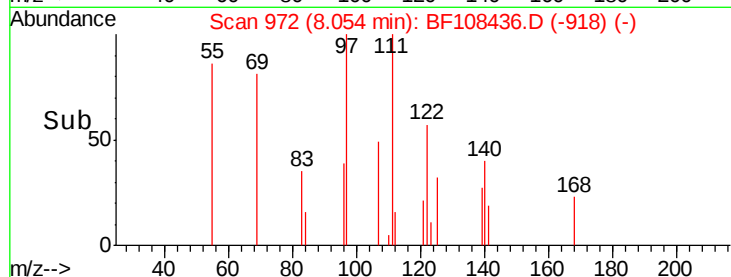
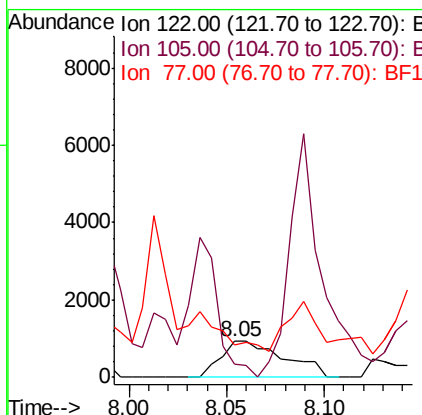
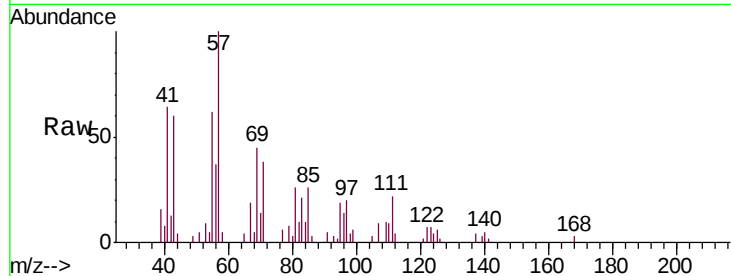




#32
Benzoic acid
Concen: 6.398 ng
RT: 8.05 min Scan# 972
Delta R.T. 0.02 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

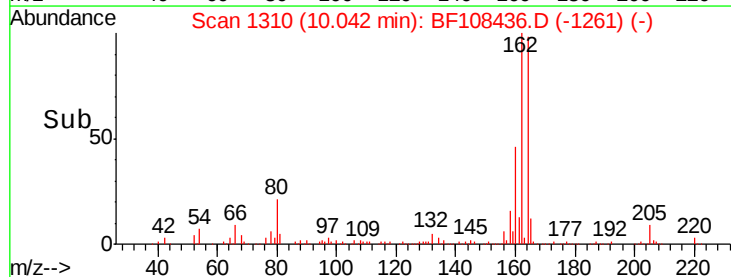
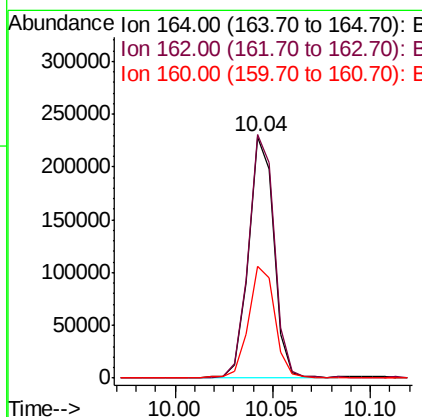
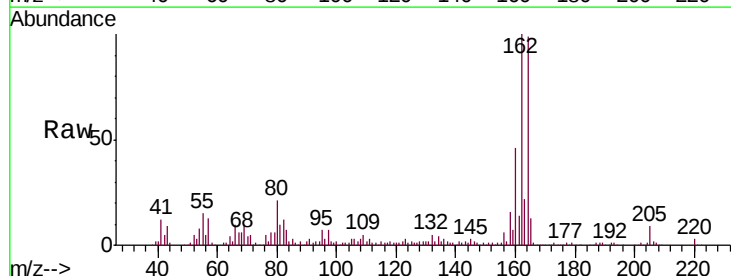
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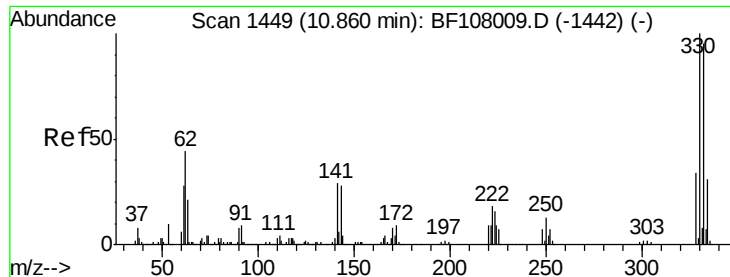
Tgt Ion:122 Resp: 2103
Ion Ratio Lower Upper
122 100
105 38.1 101.1 141.1#
77 92.5 70.7 110.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion:164 Resp: 204004
Ion Ratio Lower Upper
164 100
162 100.8 86.1 129.1
160 46.1 38.3 57.5

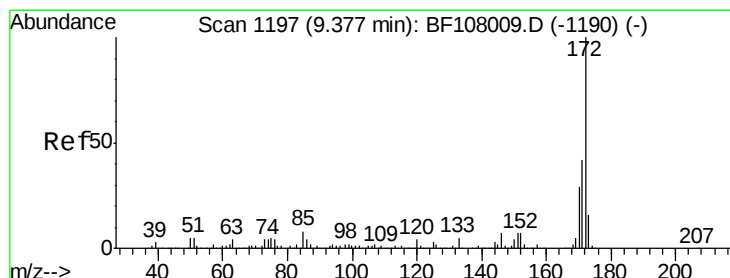
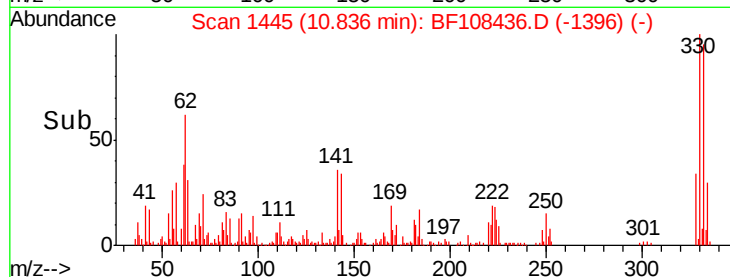
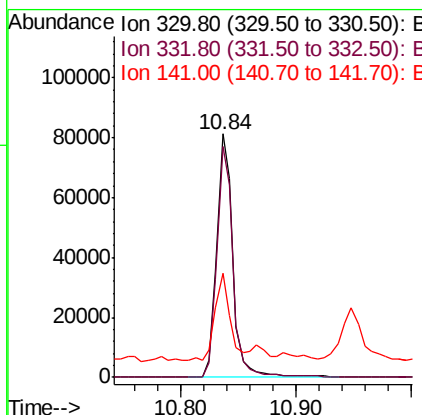
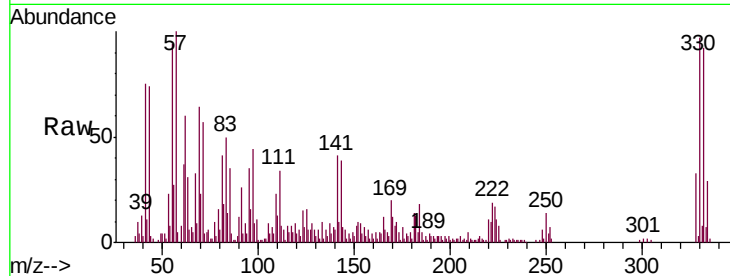




#41
 2,4,6-Tribromophenol
 Concen: 38.566 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

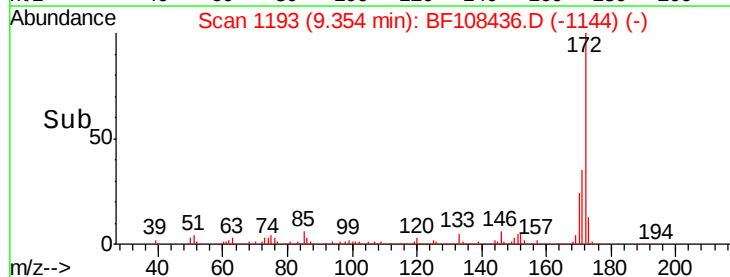
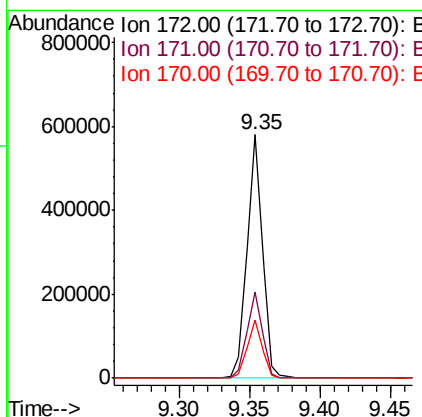
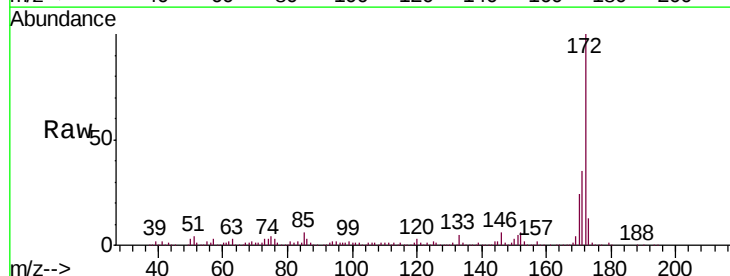
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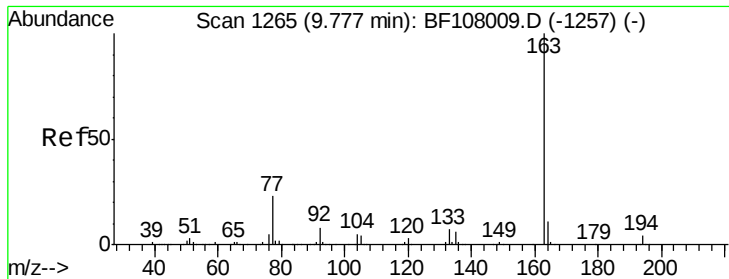
Tgt Ion: 330 Resp: 78477
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 32.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 34.965 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Tgt Ion: 172 Resp: 444288
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.9 19.6 29.4





#49

Dimethylphthalate

Concen: 8.679 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-115-050

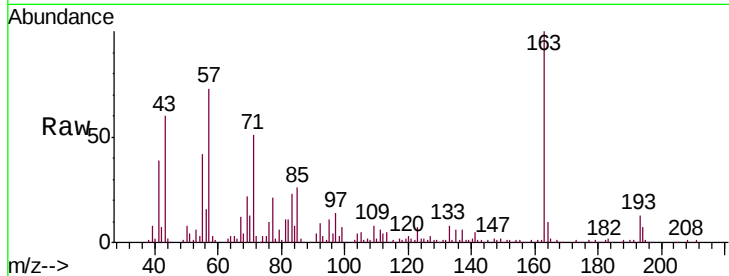
Tgt Ion:163 Resp: 123335

Ion Ratio Lower Upper

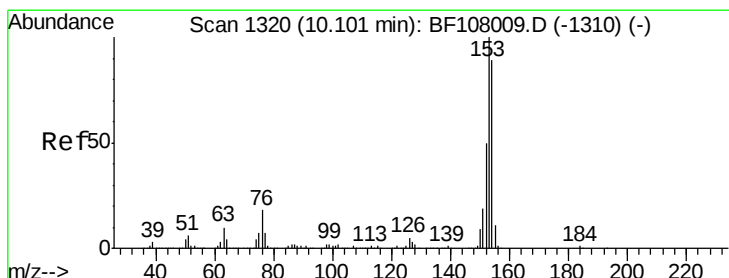
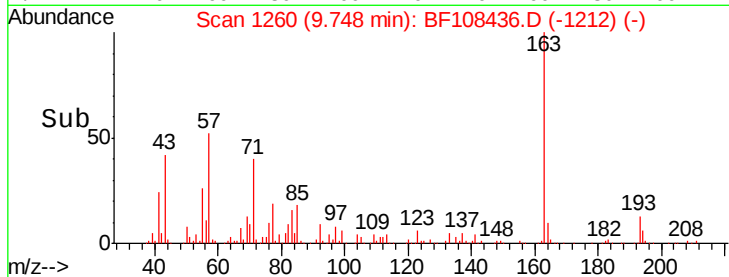
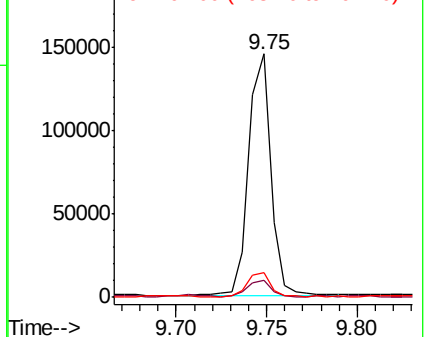
163 100

194 6.8 2.7 4.1#

164 10.0 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: 2.108 ng

RT: 10.08 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

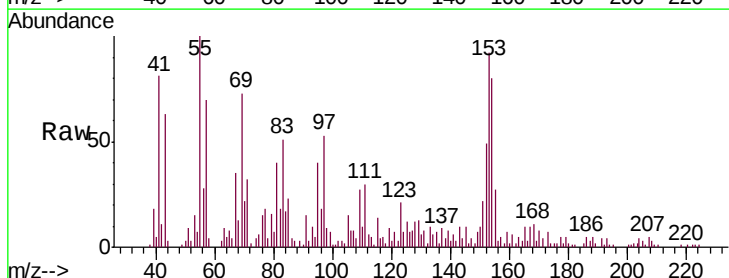
Tgt Ion:154 Resp: 24264

Ion Ratio Lower Upper

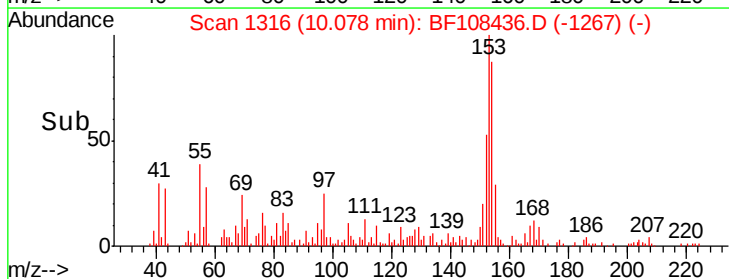
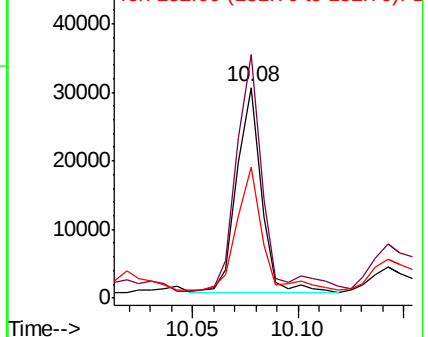
154 100

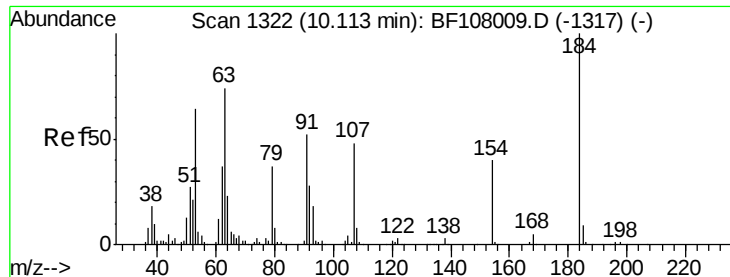
153 115.4 91.2 136.8

152 62.0 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

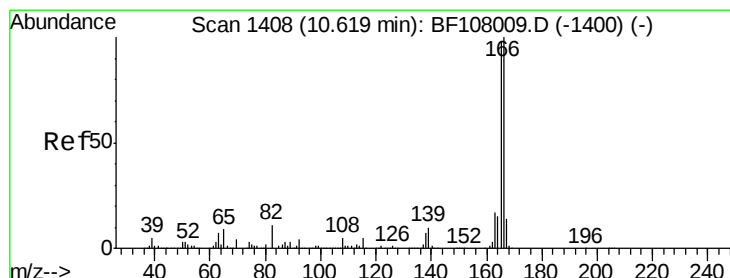
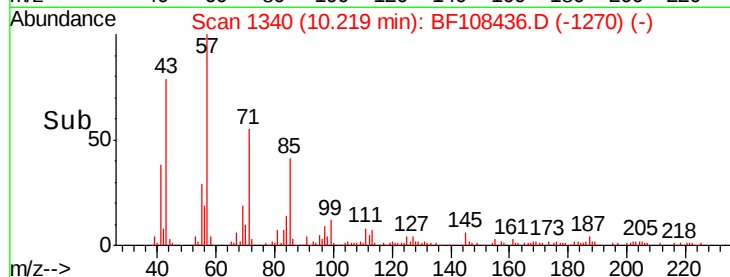
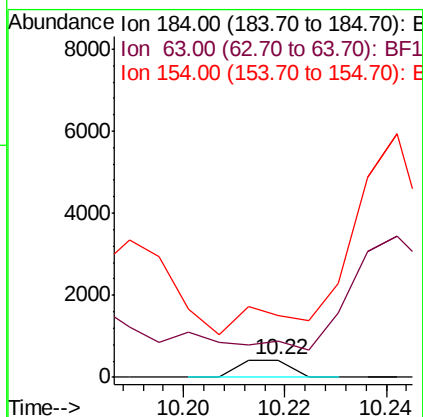
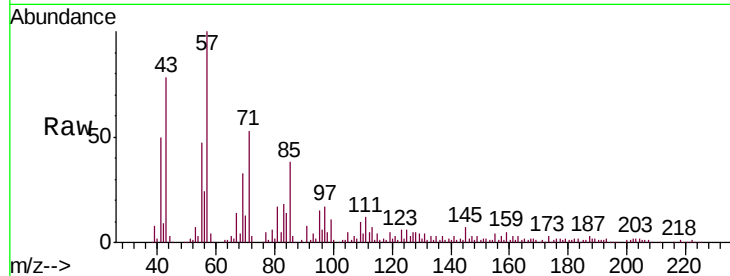




#53
2,4-Dinitrophenol
Concen: 7.267 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.11 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

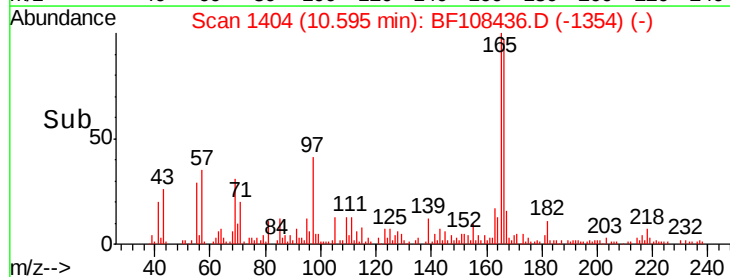
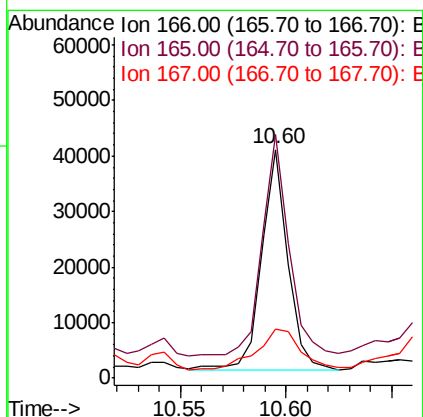
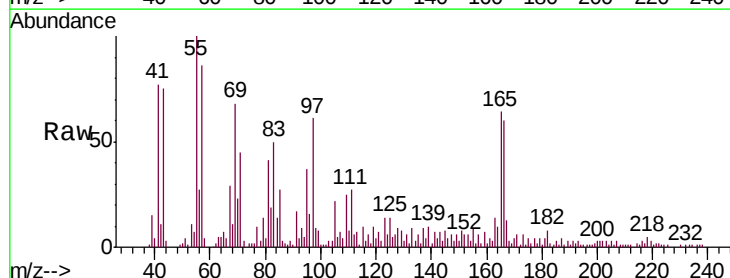
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

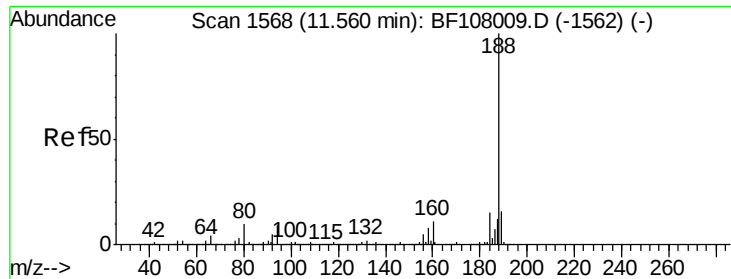
Tgt Ion:184 Resp: 300
Ion Ratio Lower Upper
184 100
63 210.6 54.2 81.2#
154 357.0 184.0 276.0#



#57
Fluorene
Concen: 2.574 ng
RT: 10.60 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion:166 Resp: 33988
Ion Ratio Lower Upper
166 100
165 106.4 79.8 119.8
167 21.2 10.6 16.0#

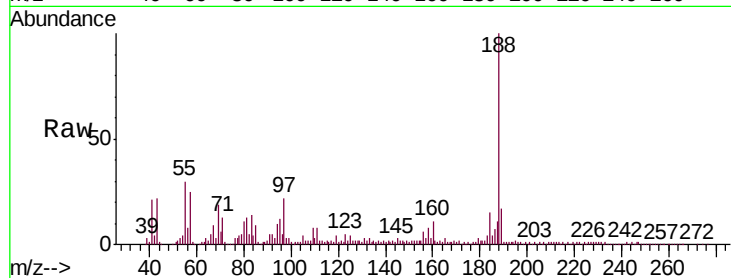




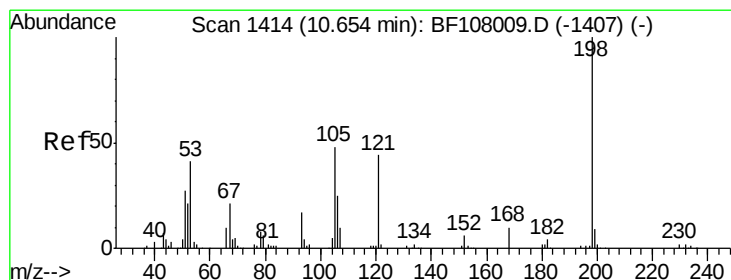
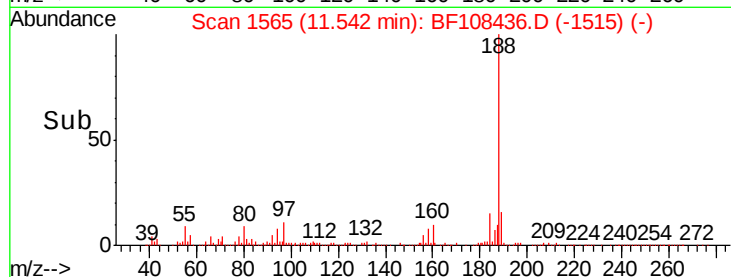
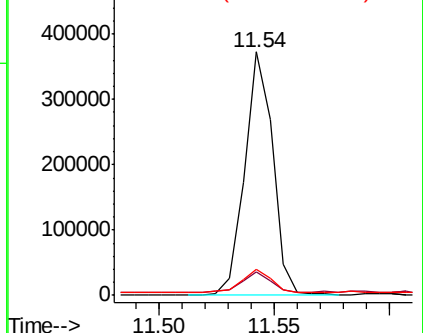
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tgt Ion:188 Resp: 314303
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.7 9.2 13.8

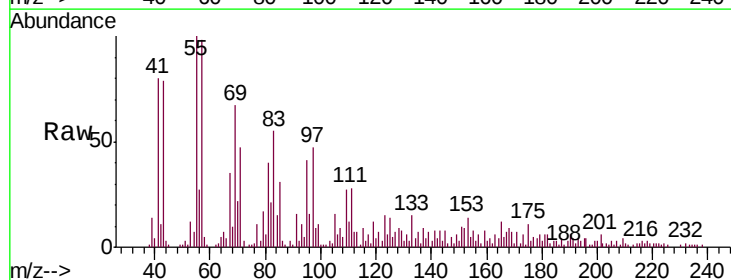


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

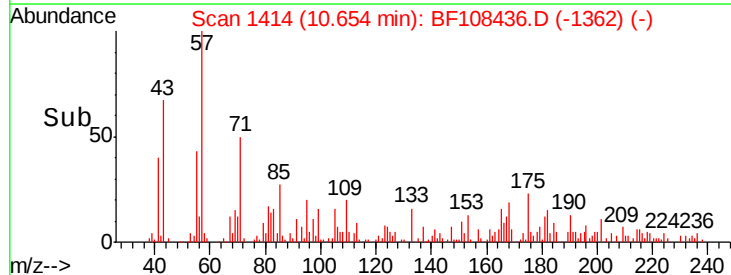
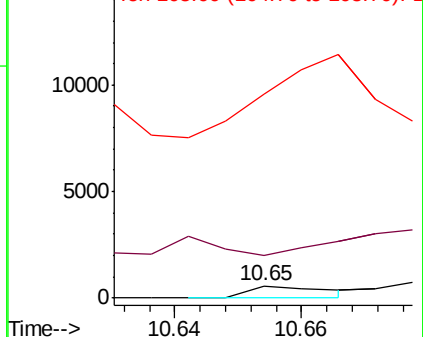


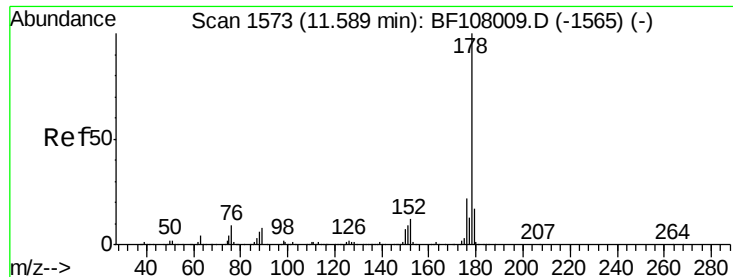
#64
4,6-Dinitro-2-methylphenol
Concen: 5.736 ng
RT: 10.65 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion:198 Resp: 501
Ion Ratio Lower Upper
198 100
51 342.6 37.7 77.7#
105 1622.2 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

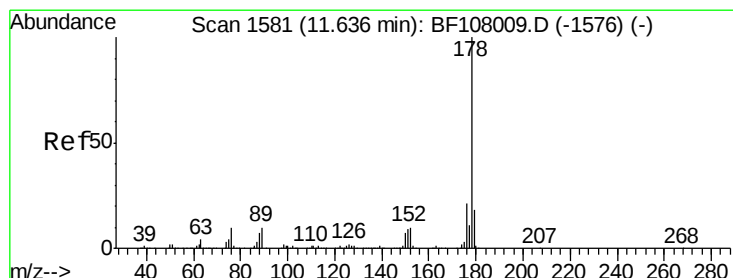
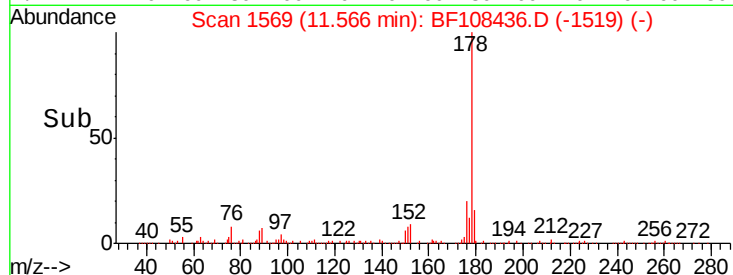
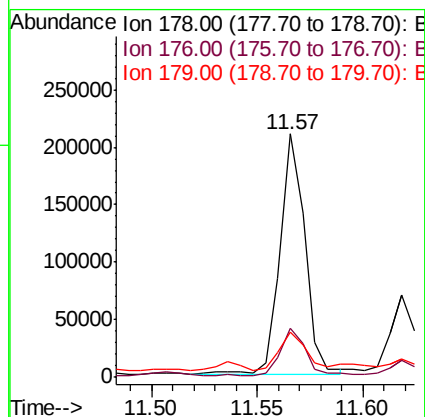
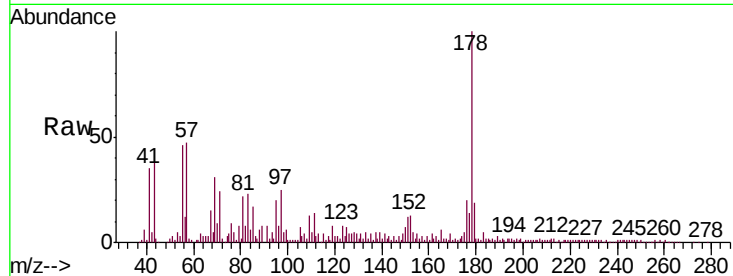




#70
Phenanthrene
Concen: 11.471 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

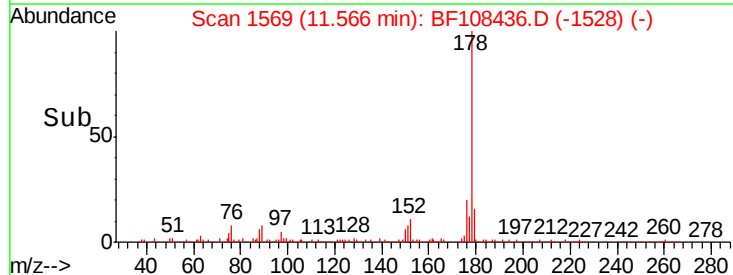
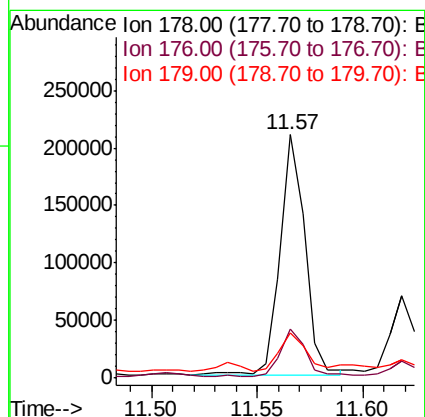
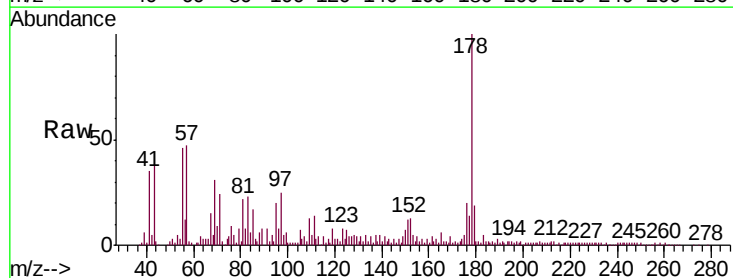
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

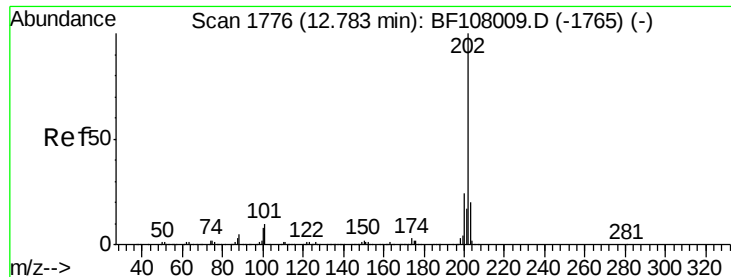
Tgt Ion:178 Resp: 170056
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 18.7 13.0 19.6



#71
Anthracene
Concen: 11.192 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.06 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion:178 Resp: 170056
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 18.7 12.6 19.0





#74

Fluoranthene

Concen: 17.544 ng

RT: 12.77 min Scan# 1774

Delta R.T. 0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

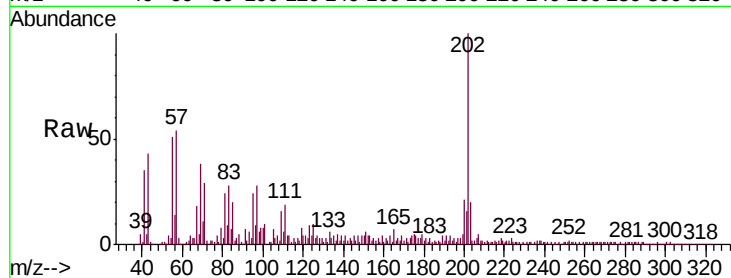
Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-115-050

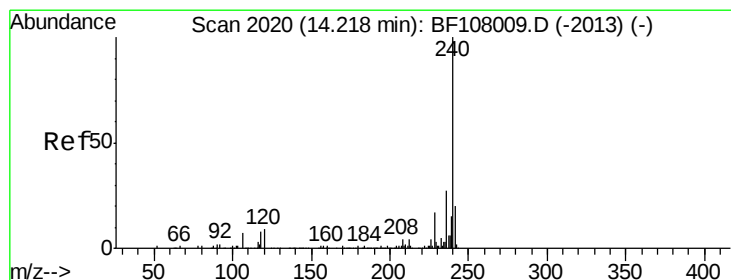
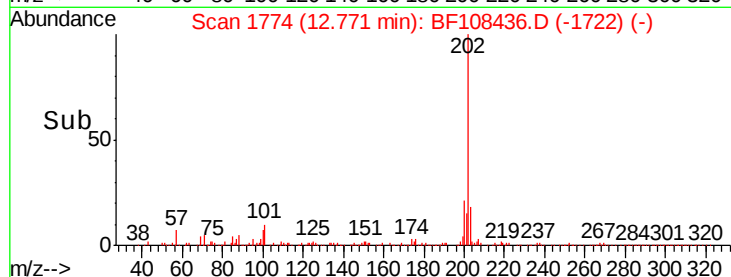
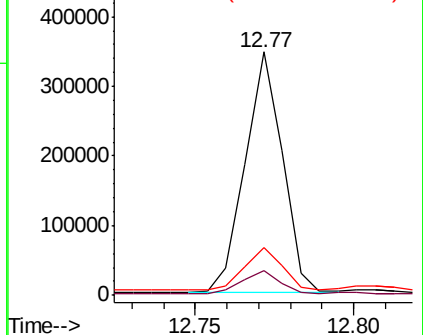
Tgt Ion:	202	Resp:	283847
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	34.1
203	19.7	0.0	38.1



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

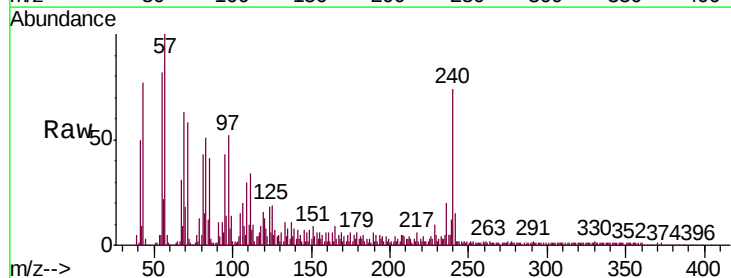
RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

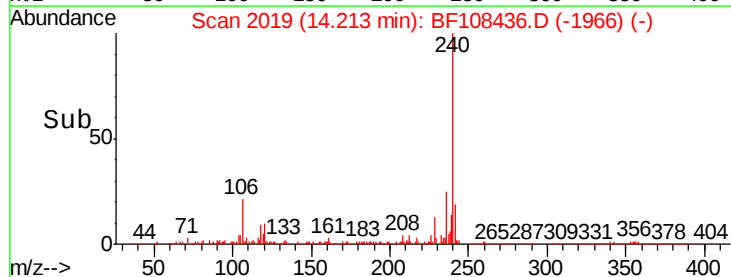
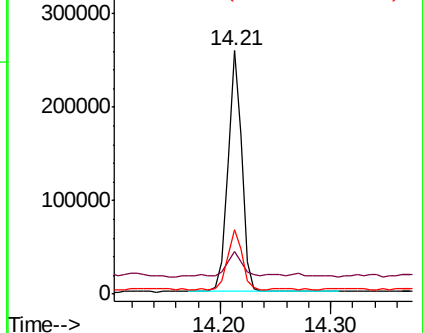
Tgt Ion:	240	Resp:	227964
Ion	Ratio	Lower	Upper
240	100		
120	17.5	9.5	14.3#
236	26.6	20.7	31.1

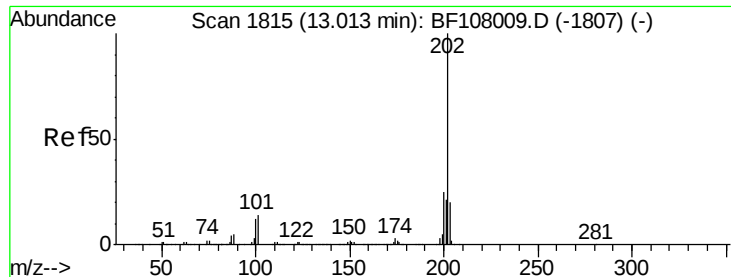


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

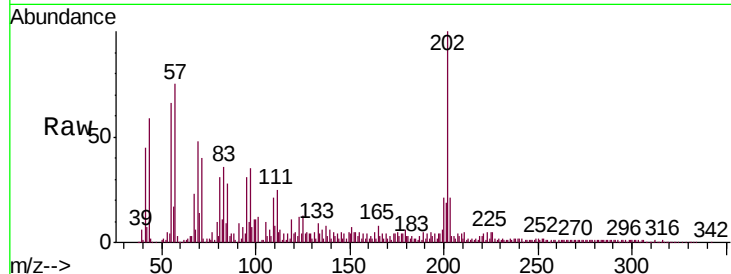




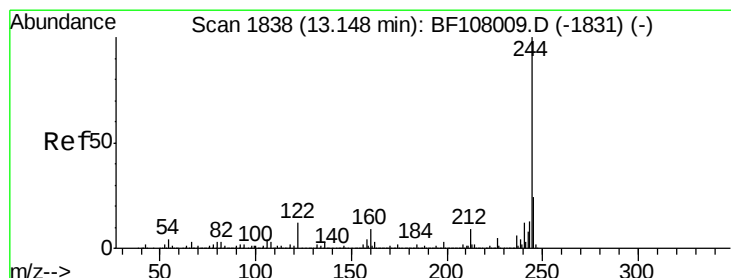
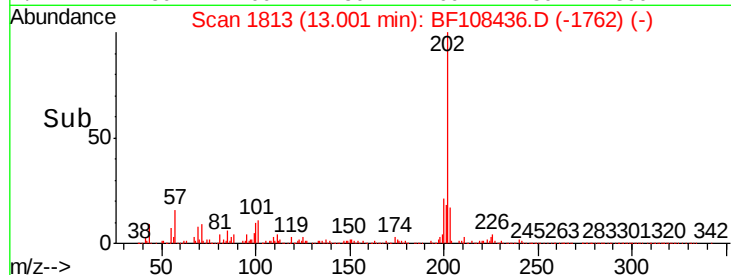
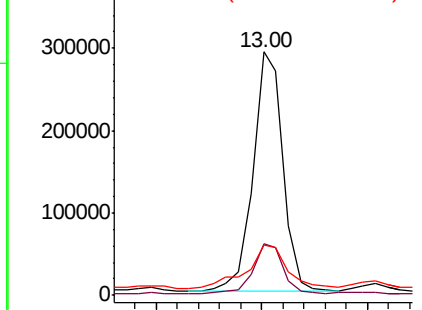
#77
 Pyrene
 Concen: 19.857 ng
 RT: 13.00 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	20.8	14.3	21.5

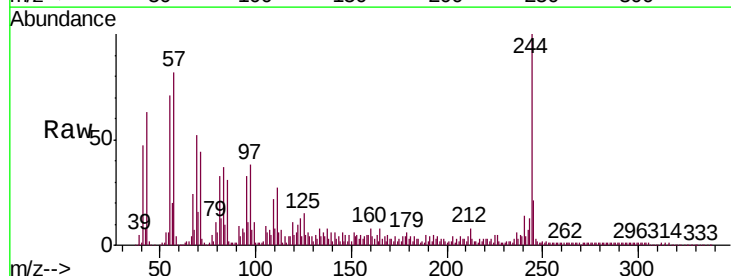


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

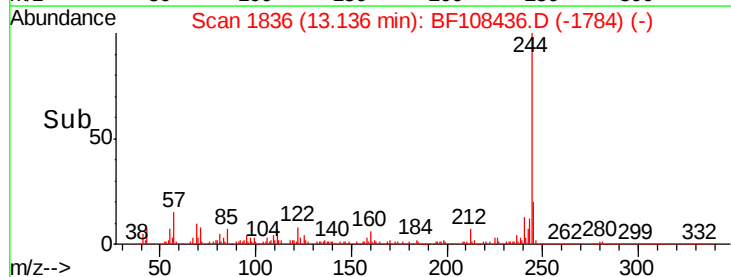
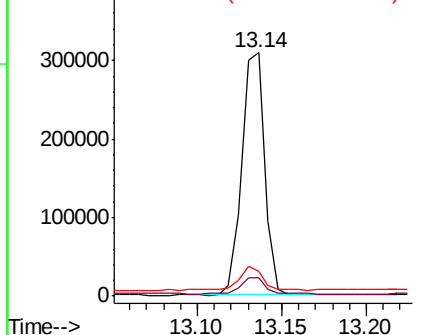


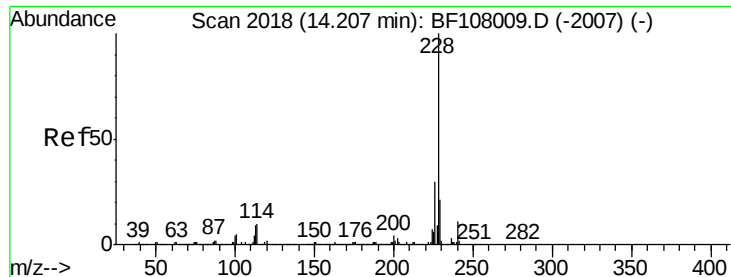
#78
 Terphenyl-d14
 Concen: 32.547 ng
 RT: 13.14 min Scan# 1836
 Delta R.T. 0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.4	8.0
122	10.3	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: 9.324 ng

RT: 14.20 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-115-050

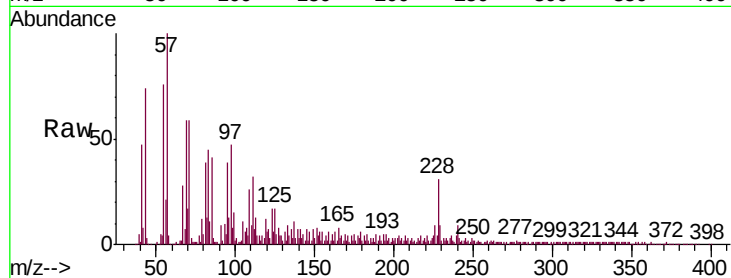
Tgt Ion:228 Resp: 121983

Ion Ratio Lower Upper

228 100

226 29.6 22.6 33.8

229 28.4 15.8 23.6#

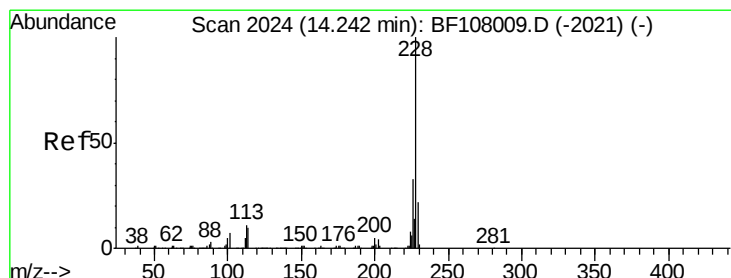
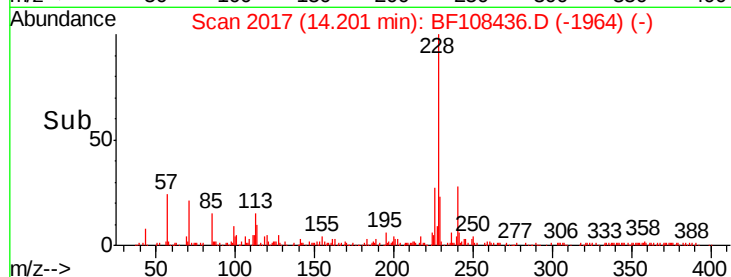
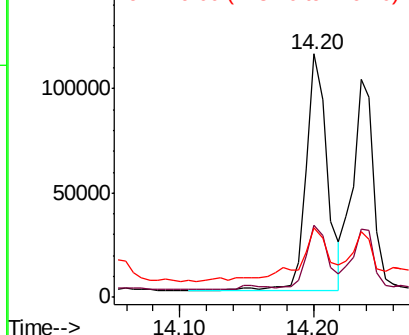


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 9.407 ng

RT: 14.24 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

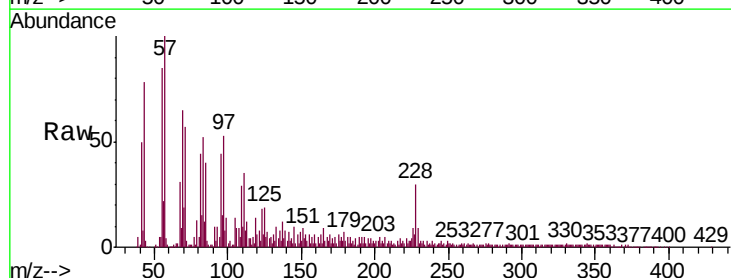
Tgt Ion:228 Resp: 112835

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

229 30.2 16.2 24.4#

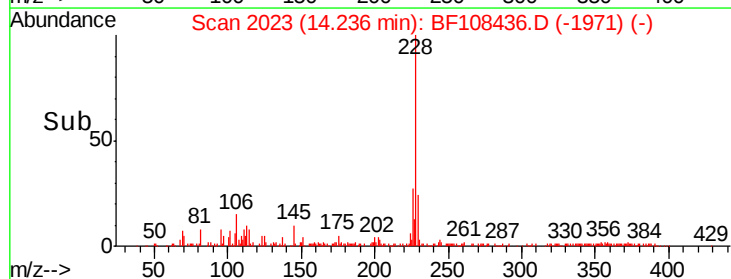
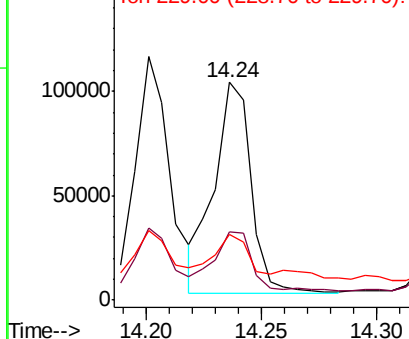


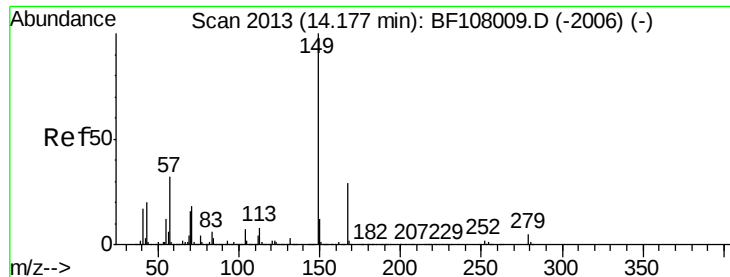
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

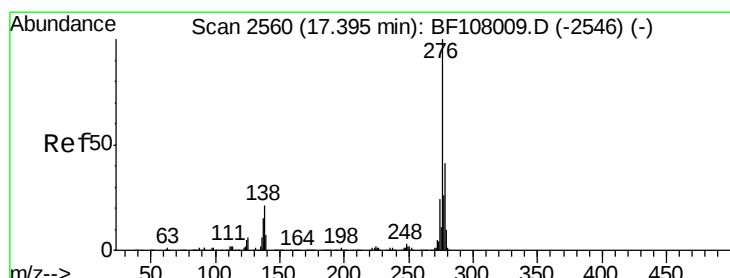
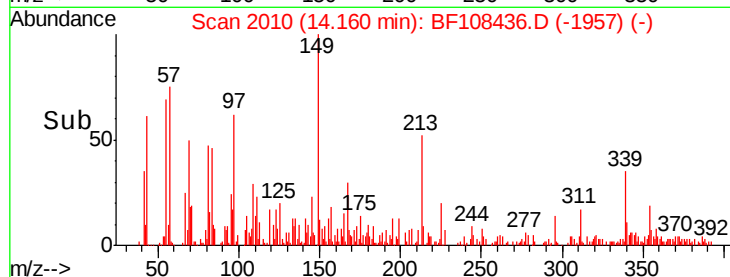
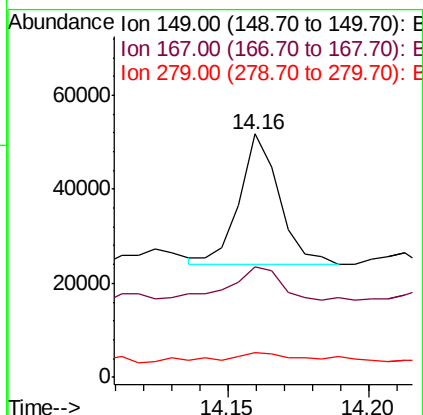
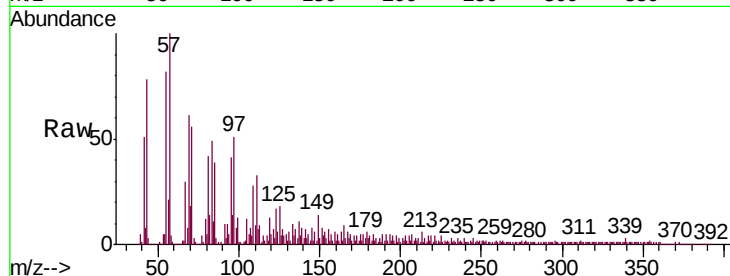




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.515 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. 0.01 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

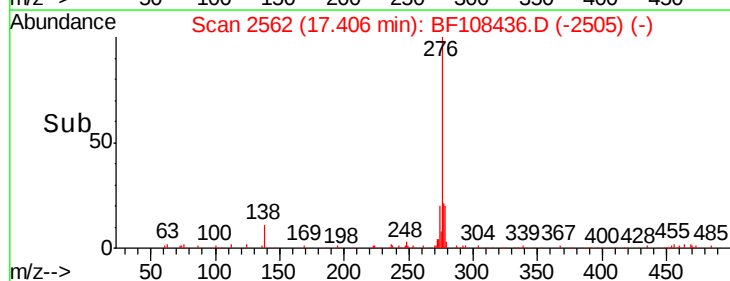
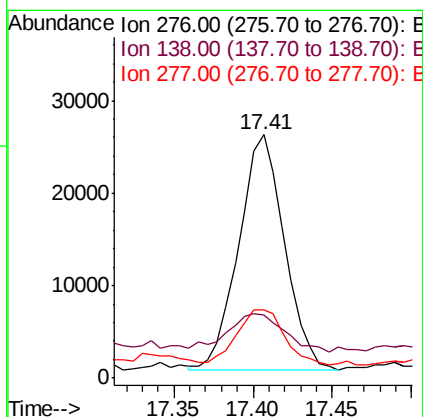
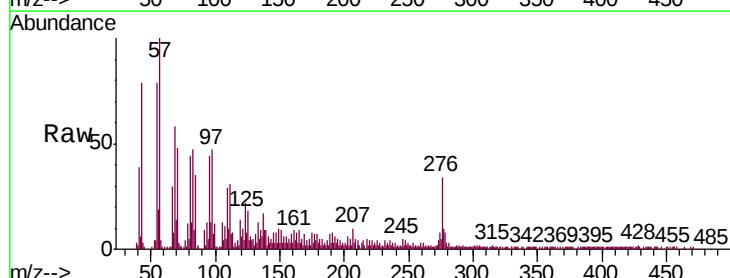
Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

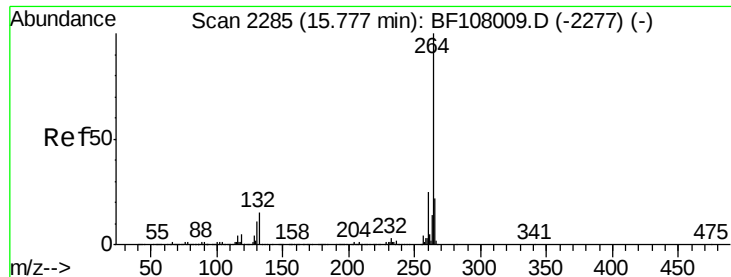
Tgt Ion:149 Resp: 27277
 Ion Ratio Lower Upper
 149 100
 167 45.6 21.3 31.9#
 279 10.1 3.0 4.4#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.887 ng
 RT: 17.41 min Scan# 2562
 Delta R.T. 0.04 min
 Lab File: BF108436.D
 Acq: 23 Aug 2018 22:21

Tgt Ion:276 Resp: 50790
 Ion Ratio Lower Upper
 276 100
 138 20.1 25.0 37.6#
 277 24.3 20.1 30.1

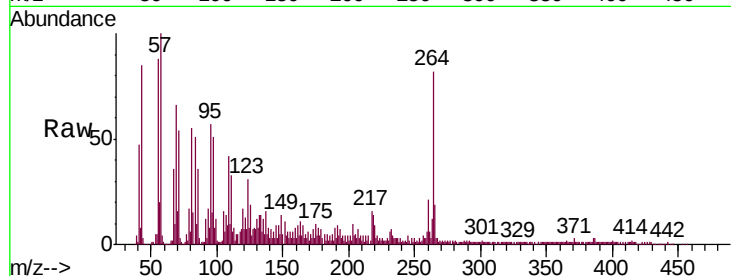




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2287
Delta R.T. 0.03 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.3	17.5	26.3

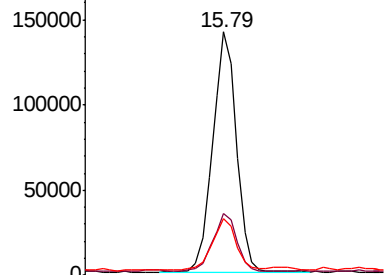


Abundance

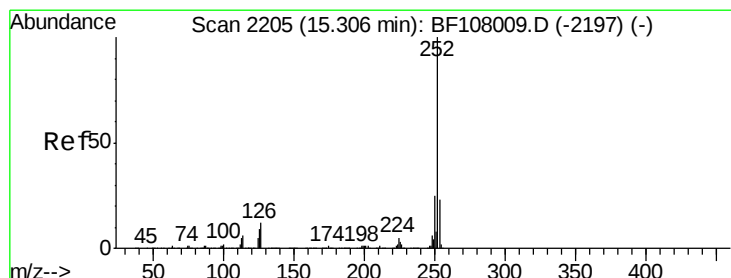
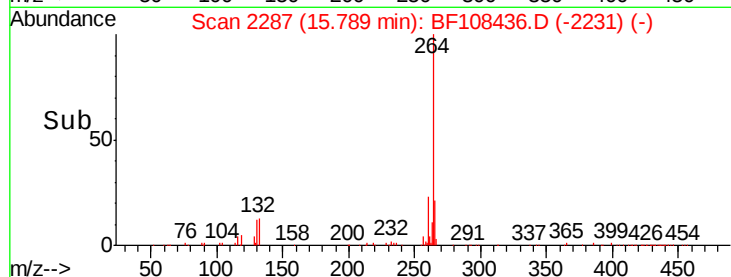
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

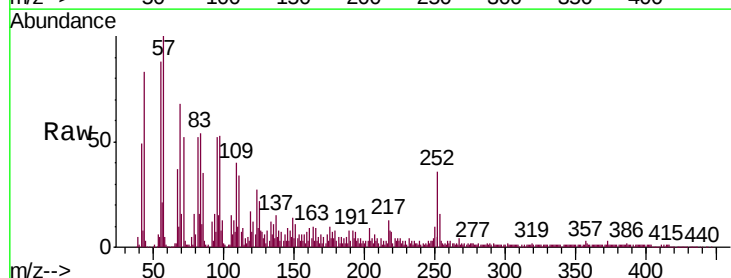


Time-->



#87
Benzo(b)fluoranthene
Concen: 14.924 ng
RT: 15.32 min Scan# 2207
Delta R.T. 0.03 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.6	17.0	25.6#
125	62.3	9.0	13.6#

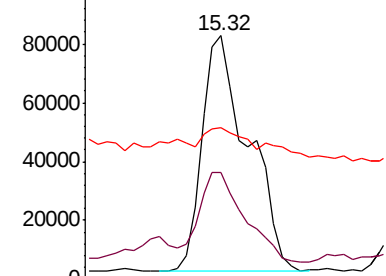


Abundance

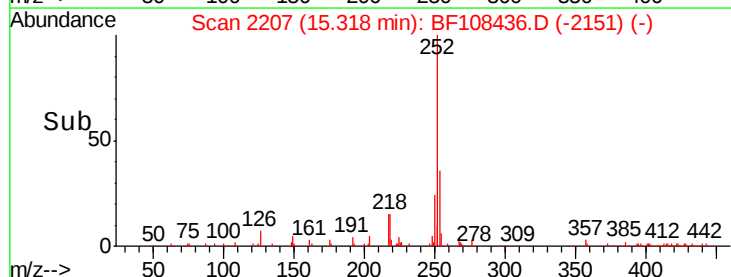
Ion 252.00 (251.70 to 252.70): E

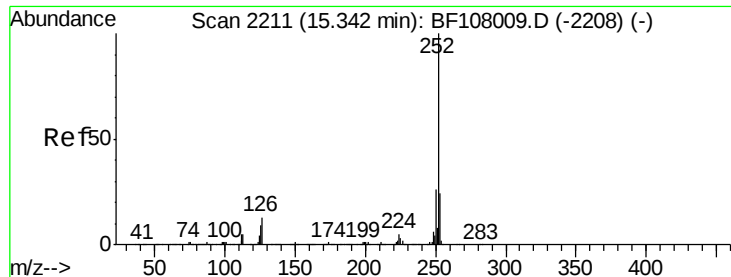
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

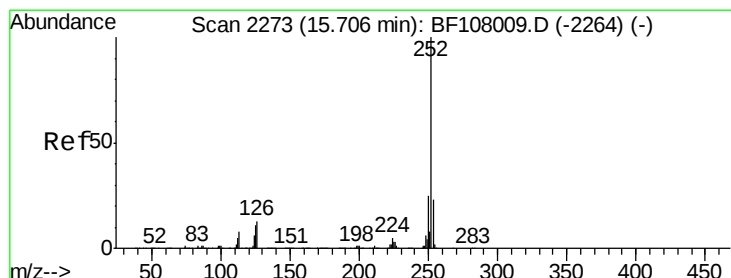
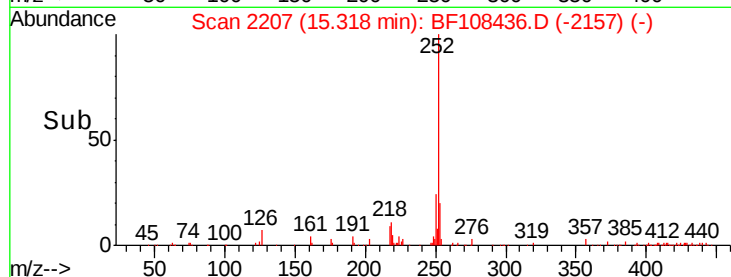
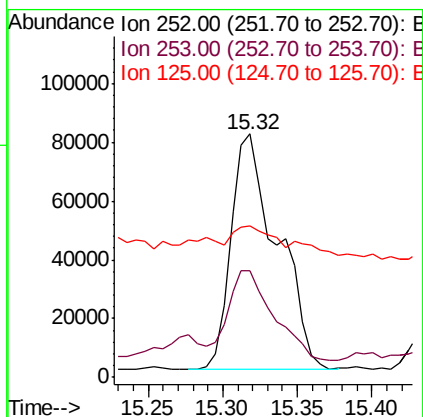
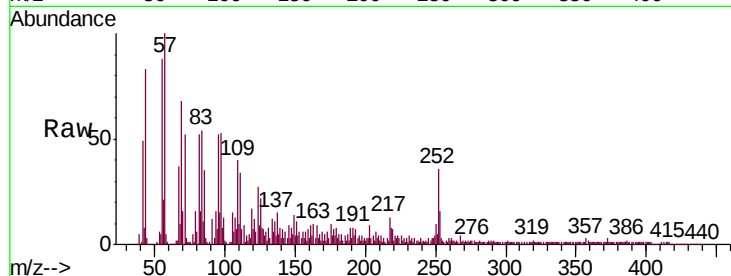




#88
Benzo(k)fluoranthene
Concen: 16.236 ng
RT: 15.32 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

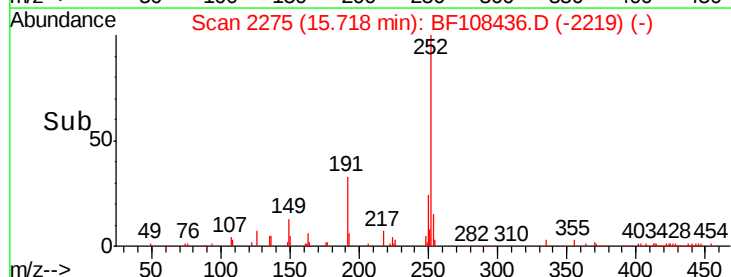
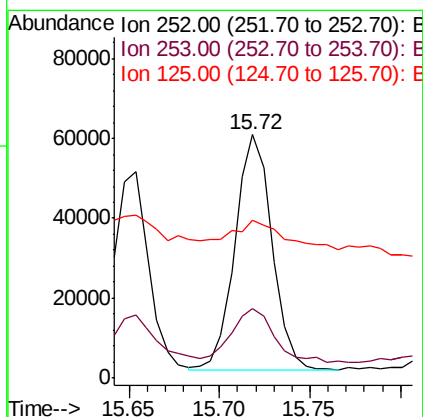
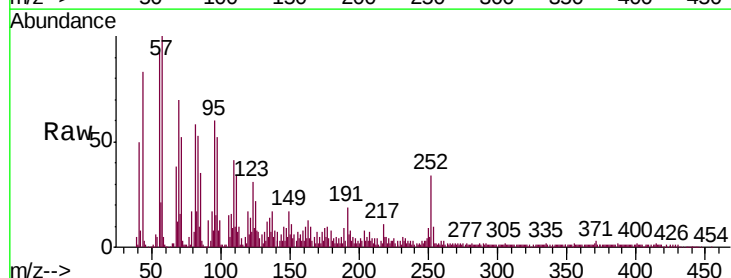
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

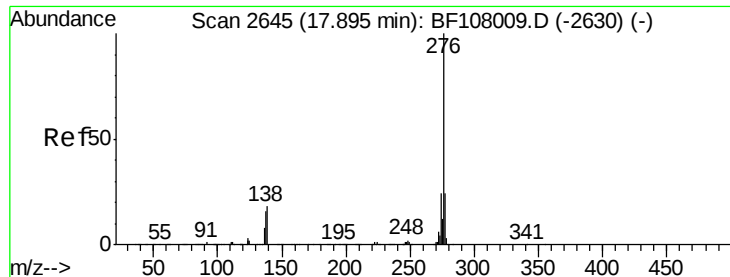
Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.6	17.9	26.9#
125	62.3	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 7.951 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.03 min
Lab File: BF108436.D
Acq: 23 Aug 2018 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.1	25.7#
125	64.7	9.8	14.6#





#91

Benzo(g,h,i)perylene

Concen: 5.732 ng

RT: 17.89 min Scan# 2645

Delta R.T. 0.03 min

Lab File: BF108436.D

Acq: 23 Aug 2018 22:21

Instrument :

BNA_F

ClientSampleId :

RA-081718-SSW-115-050

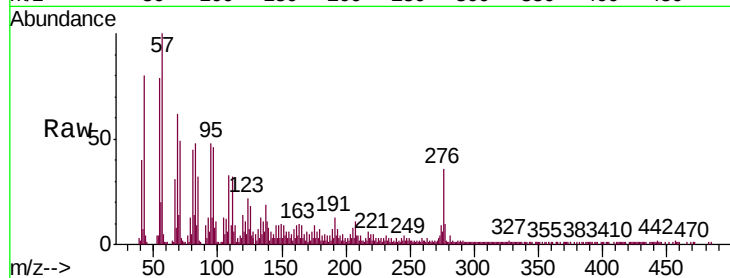
Tgt Ion: 276 Resp: 48746

Ion Ratio Lower Upper

276 100

277 27.4 17.9 26.9#

138 30.4 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

