

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091318\
 Data File : BF108966.D
 Acq On : 13 Sep 2018 16:09
 Operator : JU/SJ
 Sample : J4771-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 17:59:28 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	175606	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	677195	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	326970	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	611186	20.00	ng	0.00
75) Chrysene-d12	13.87	240	433134	20.00	ng	0.00
86) Perylene-d12	15.27	264	461899	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	326108	30.77	ng	0.00
7) Phenol-d6	6.35	99	487246	35.73	ng	-0.01
23) Nitrobenzene-d5	7.28	82	300295	27.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	72649	23.27	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	579133	30.22	ng	-0.01
78) Terphenyl-d14	12.82	244	501939	27.02	ng	0.00

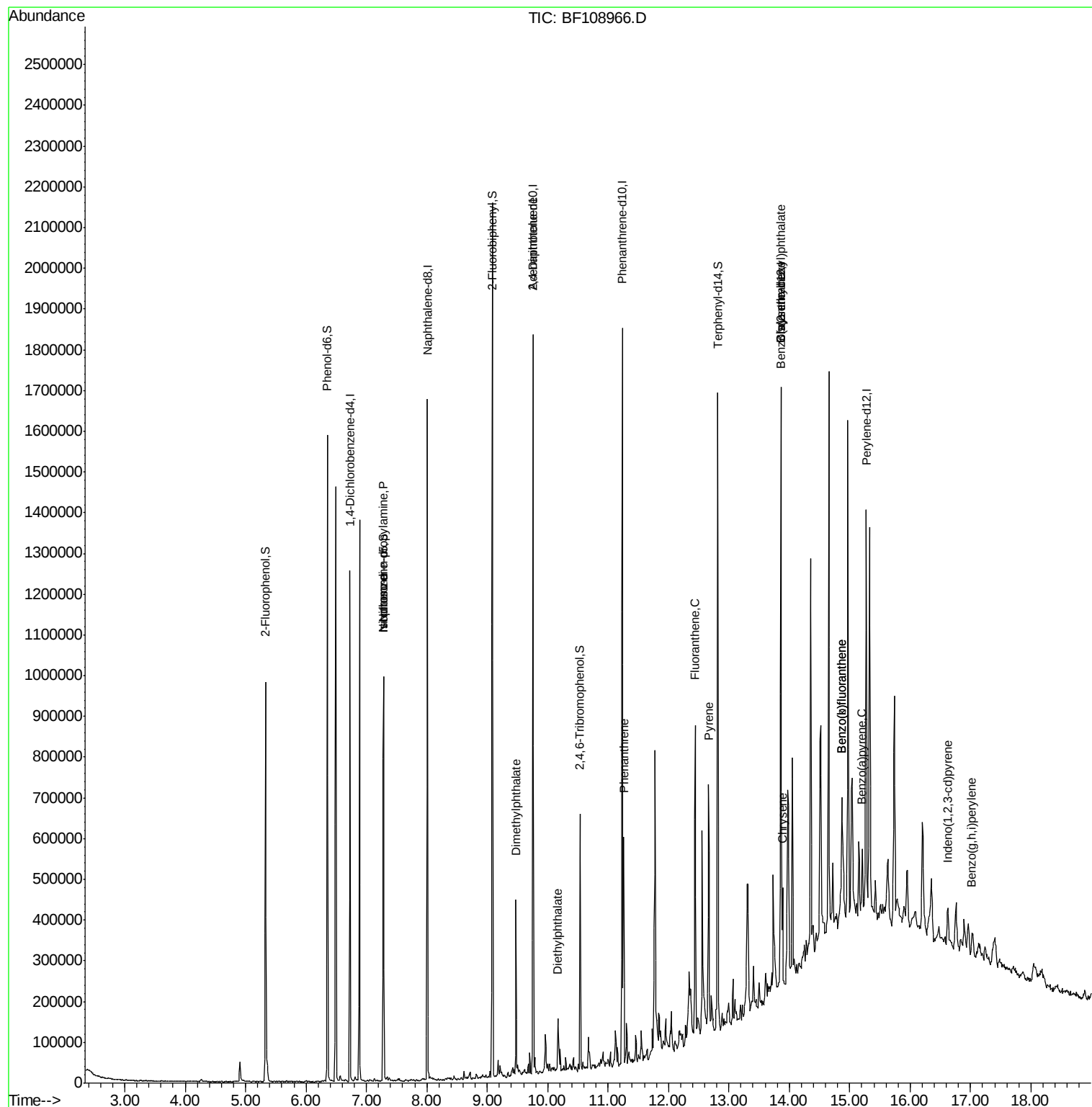
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	40045	4.224	ng	# 76
25) Isophorone	7.28	82	297125	13.766	ng	# 64
49) Dimethylphthalate	9.48	163	146233	6.394	ng	98
56) 2,4-Dinitrotoluene	9.76	165	42689	7.660	ng	# 23
59) Diethylphthalate	10.17	149	61920	2.624	ng	97
70) Phenanthrene	11.26	178	182423	6.250	ng	99
74) Fluoranthene	12.44	202	285251	9.871	ng	95
77) Pyrene	12.67	202	222550	6.677	ng	99
80) Benzo(a)anthracene	13.85	228	77366	2.787	ng	96
82) Chrysene	13.89	228	109894	4.089	ng	96
83) Bis(2-ethylhexyl)phthalate	13.86	149	57010	3.023	ng	99
85) Indeno(1,2,3-cd)pyrene	16.62	276	57037	2.398	ng	# 89
87) Benzo(b)fluoranthene	14.87	252	179772	7.158	ng	96
88) Benzo(k)fluoranthene	14.87	252	179772	7.772	ng	99
89) Benzo(a)pyrene	15.21	252	75875	3.348	ng	# 94
91) Benzo(g,h,i)perylene	17.03	276	51877	2.595	ng	95

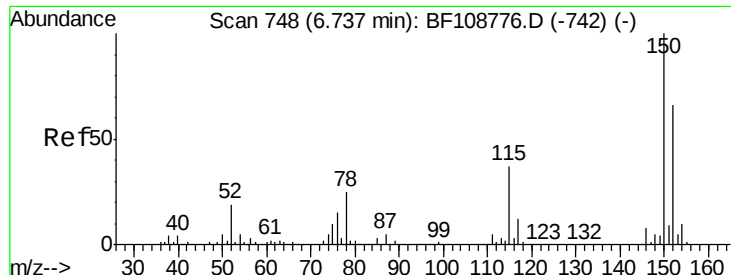
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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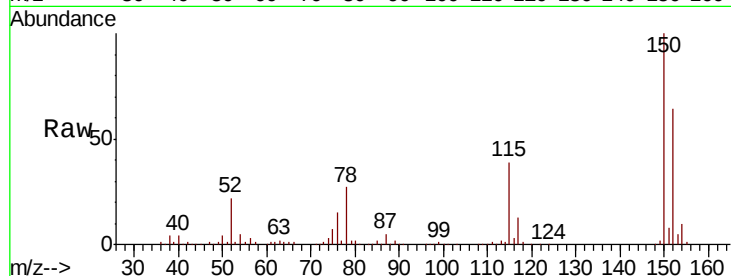


#1

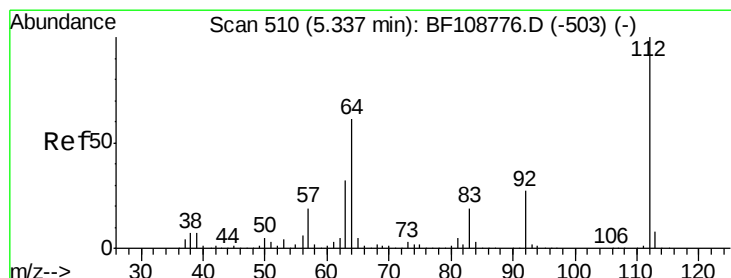
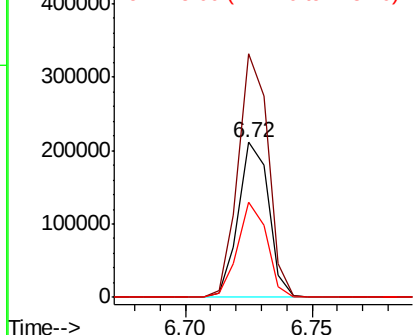
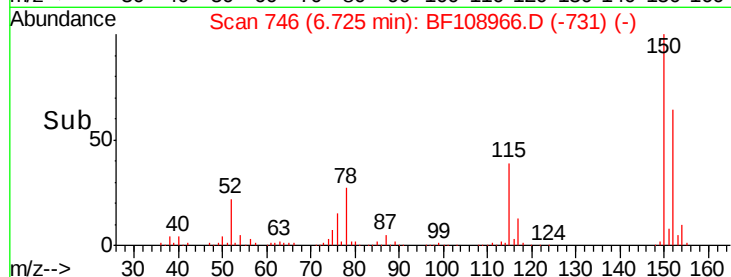
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF108966.D
Acq: 13 Sep 2018 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 175606
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 61.4 50.1 75.1



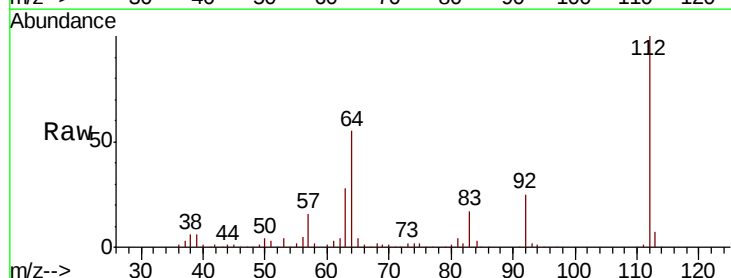
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



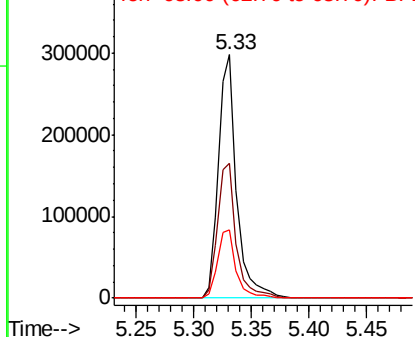
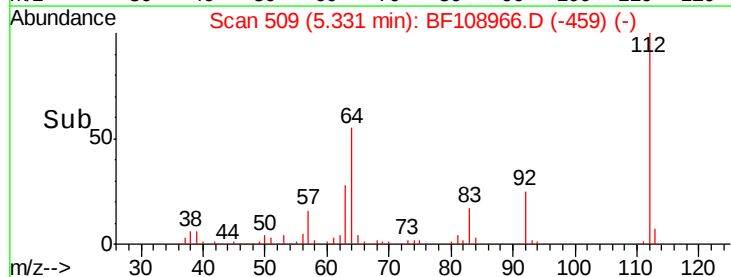
#5

2-Fluorophenol
Concen: 30.765 ng
RT: 5.33 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF108966.D
Acq: 13 Sep 2018 16:09

Tgt Ion:112 Resp: 326108
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 28.1 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: 35.726 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampleId :

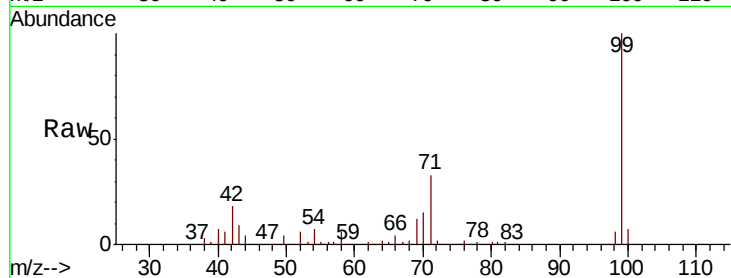
Tot Ion: 99 Resp: 487246

Ion Ratio Lower Upper

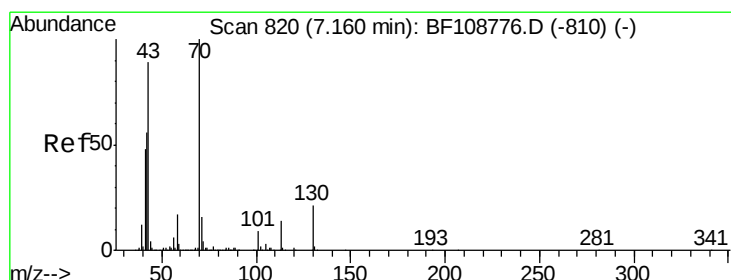
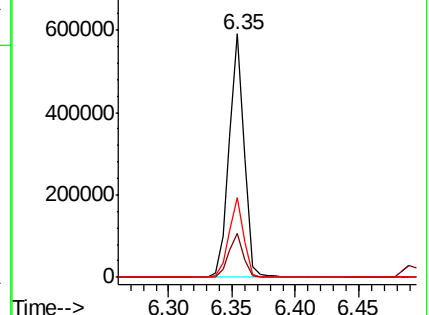
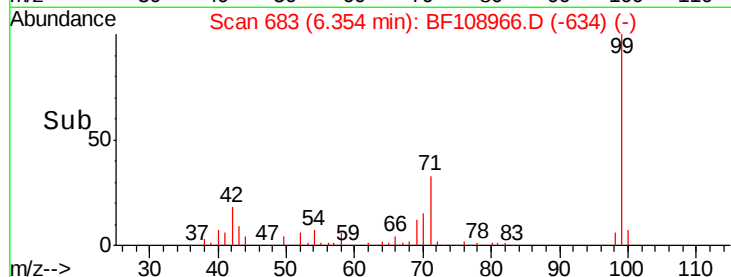
99 100

42 17.9 14.5 21.7

71 32.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 4.224 ng

RT: 7.28 min Scan# 841

Delta R.T. 0.12 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Tgt Ion: 70 Resp: 40045

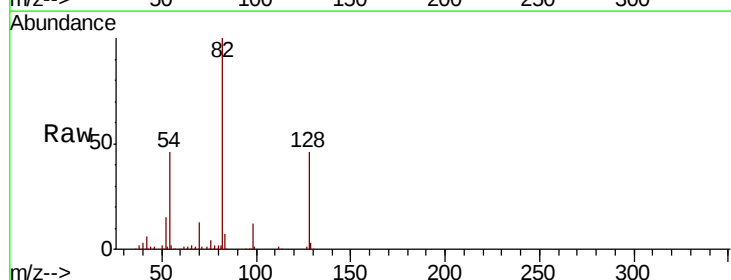
Ion Ratio Lower Upper

70 100

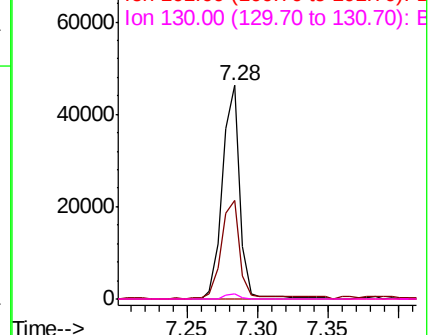
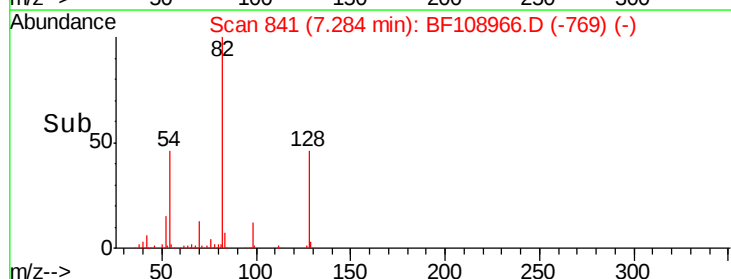
42 45.9 47.5 71.3#

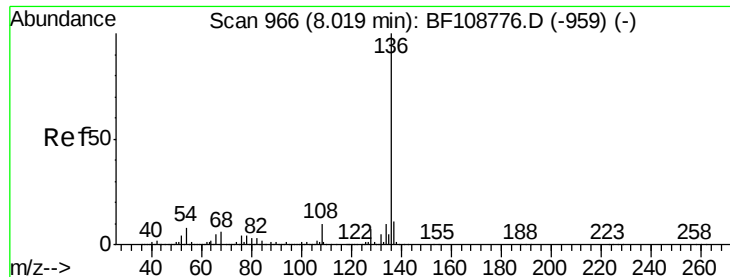
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 677195

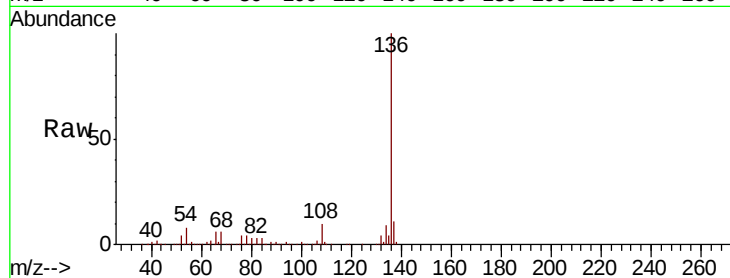
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.7 6.6 9.8

68 6.5 5.0 7.4

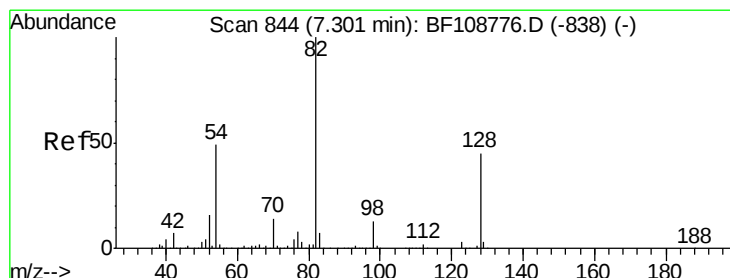
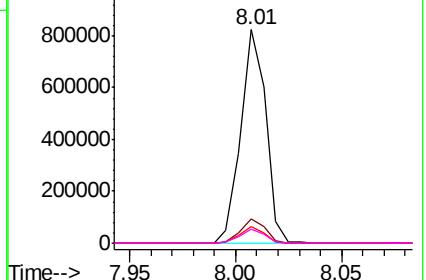
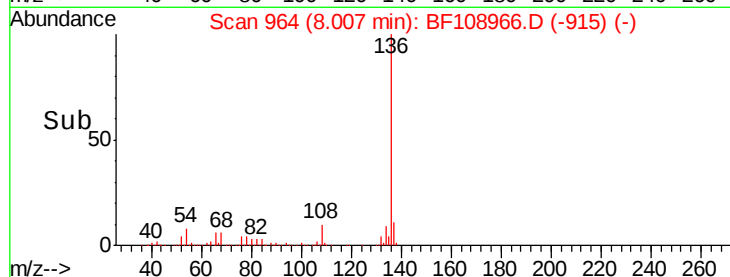


Abundance Ion 136.00 (135.70 to 136.70): E

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: 27.751 ng

RT: 7.28 min Scan# 841

Delta R.T. -0.02 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

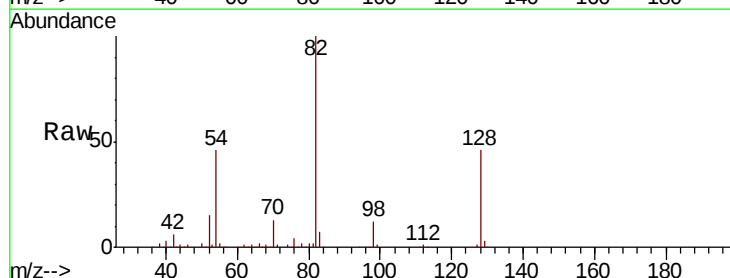
Tgt Ion: 82 Resp: 300295

Ion Ratio Lower Upper

82 100

128 46.4 36.1 54.1

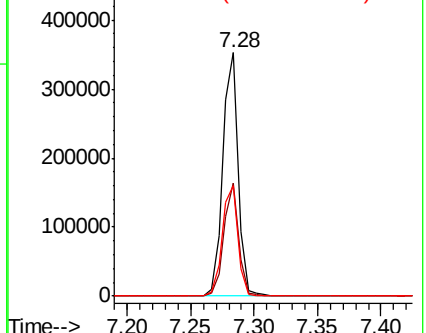
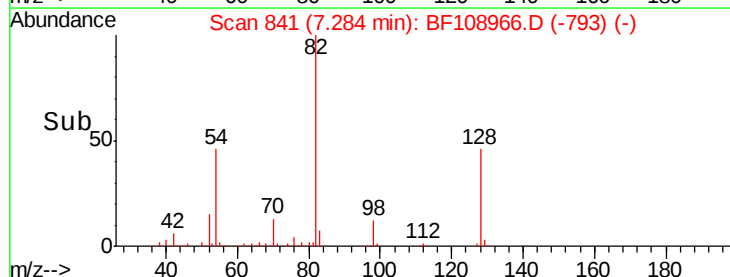
54 45.5 41.4 62.2

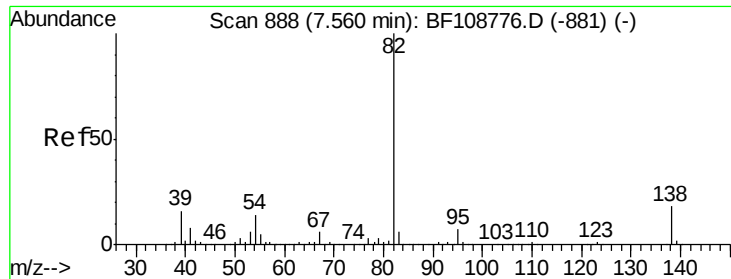


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.766 ng

RT: 7.28 min Scan# 841

Delta R.T. -0.28 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampled :

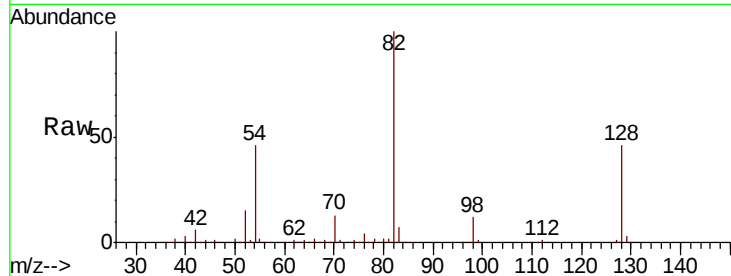
Tot Ion: 82 Resp: 297125

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

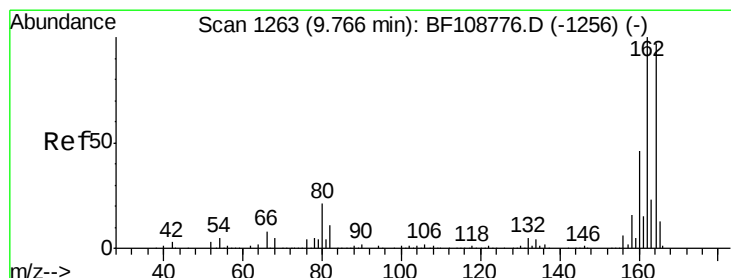
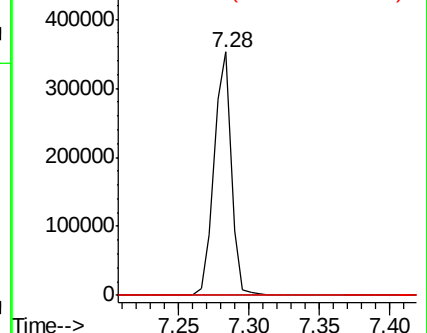
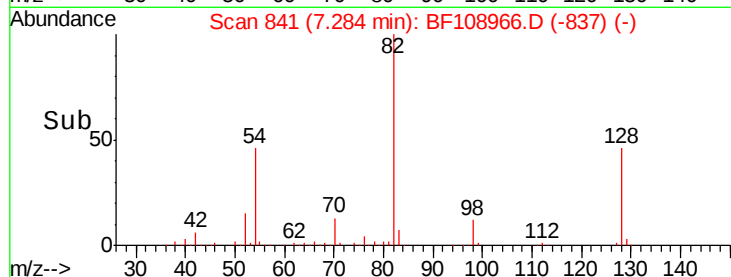
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.76 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

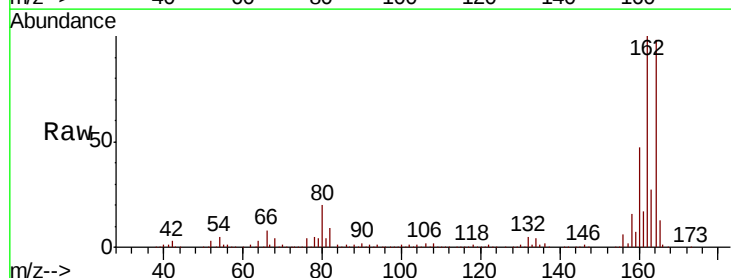
Tgt Ion: 164 Resp: 326970

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

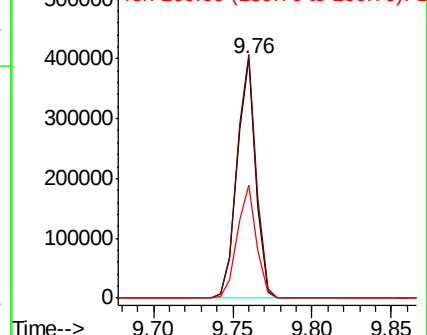
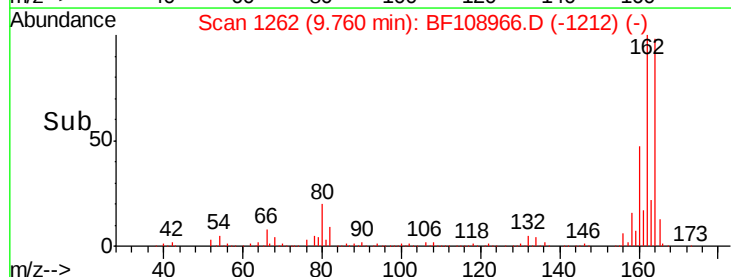
160 47.4 38.3 57.5



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: 23.274 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampleId :

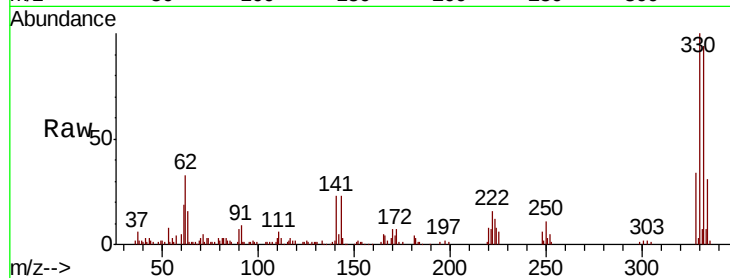
Tot Ion:330 Resp: 72649

Ion Ratio Lower Upper

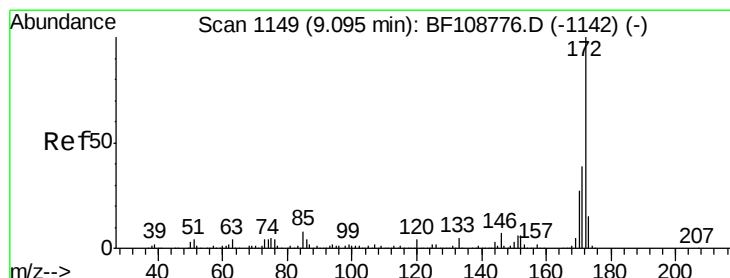
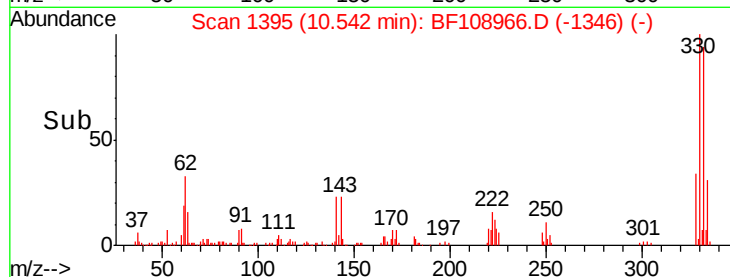
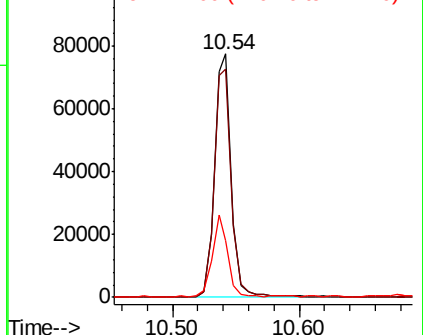
330 100

332 96.1 77.0 115.6

141 31.6 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: 30.217 ng

RT: 9.08 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

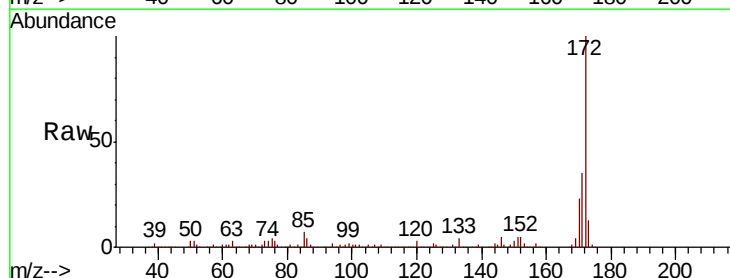
Tgt Ion:172 Resp: 579133

Ion Ratio Lower Upper

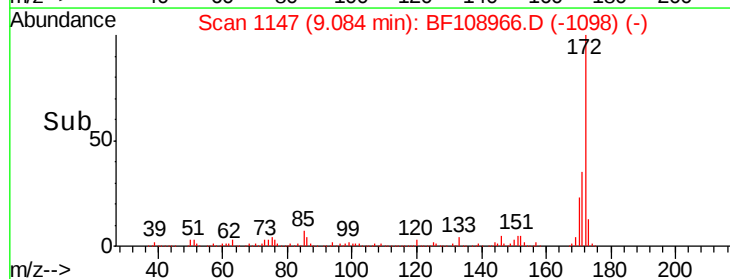
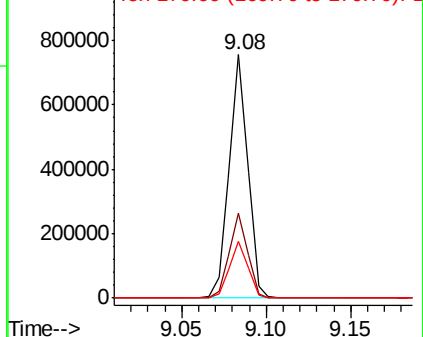
172 100

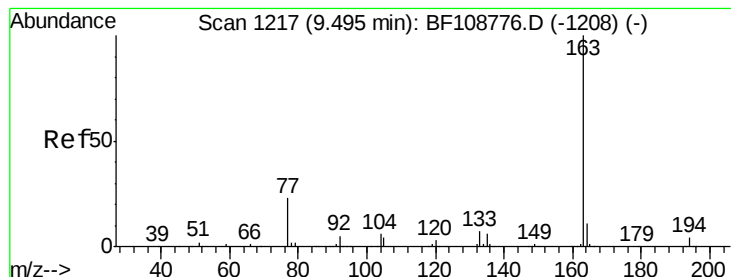
171 35.1 29.7 44.5

170 23.1 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: 6.394 ng

RT: 9.48 min Scan# 1214

Delta R.T. -0.02 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampled :

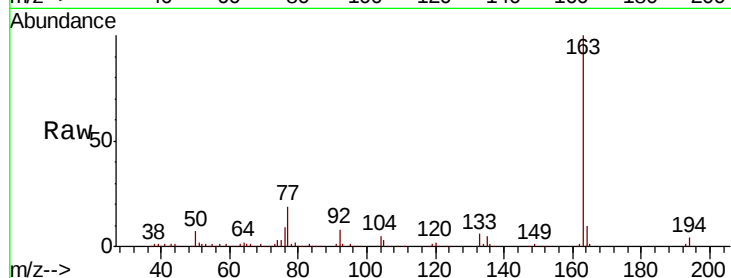
Tot Ion:163 Resp: 146233

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

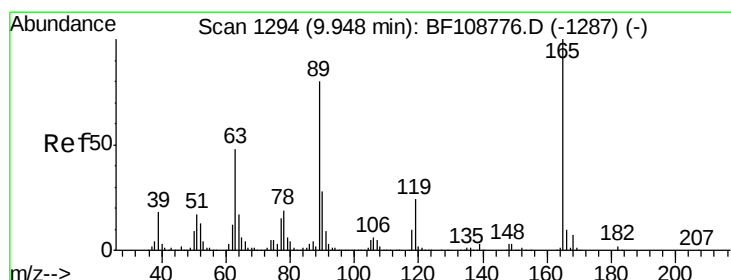
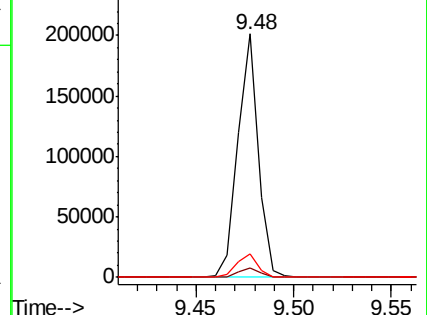
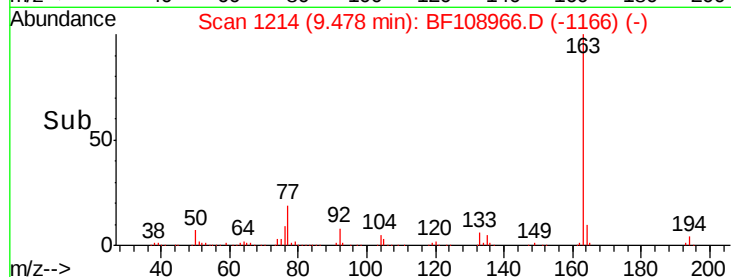
164 9.6 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 7.660 ng

RT: 9.76 min Scan# 1262

Delta R.T. -0.19 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Tgt Ion:165 Resp: 42689

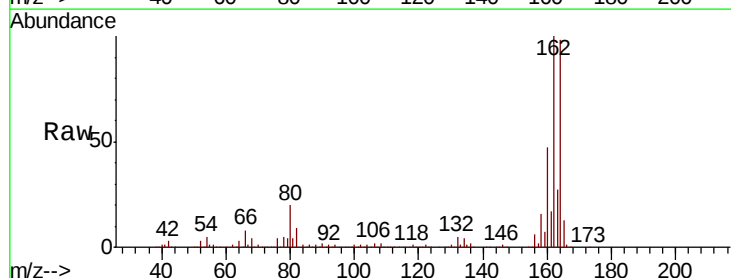
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

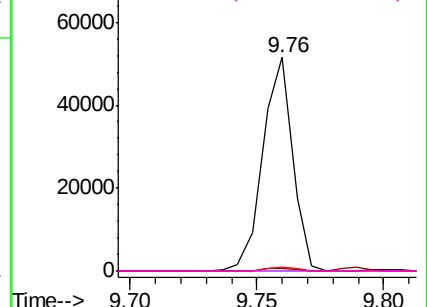
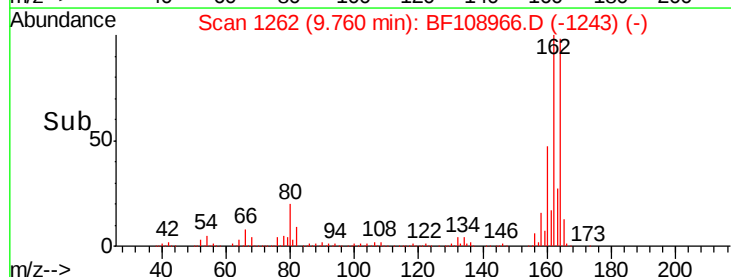


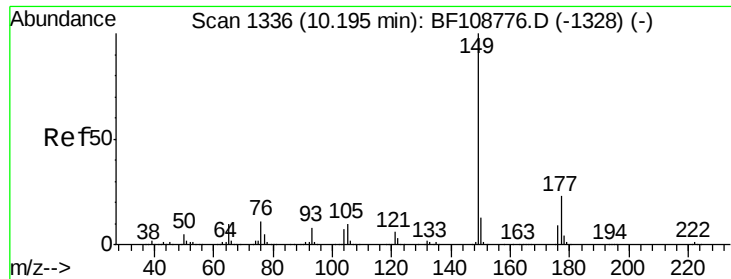
Abundance Ion 165.00 (164.70 to 165.70): E

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

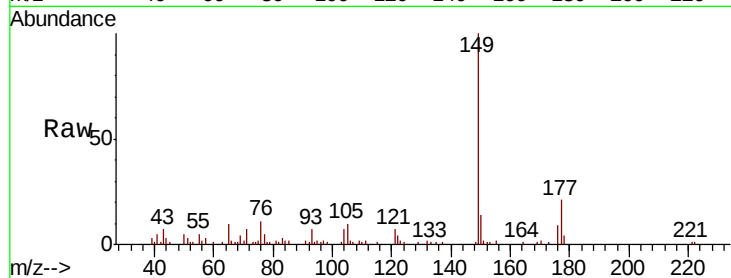




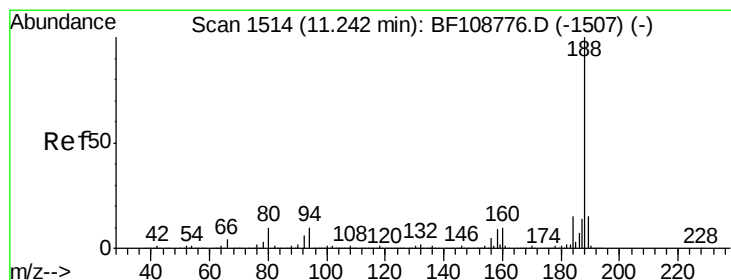
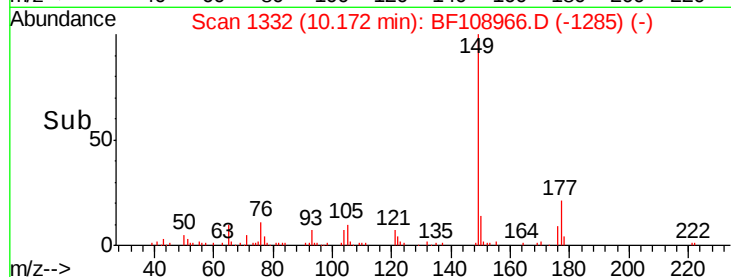
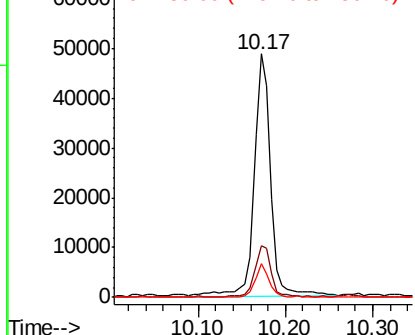
#59
Diethylphthalate
Concen: 2.624 ng
RT: 10.17 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF108966.D
Acq: 13 Sep 2018 16:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:149 Resp: 61920
Ion Ratio Lower Upper
149 100
177 21.4 16.1 24.1
150 13.8 10.1 15.1

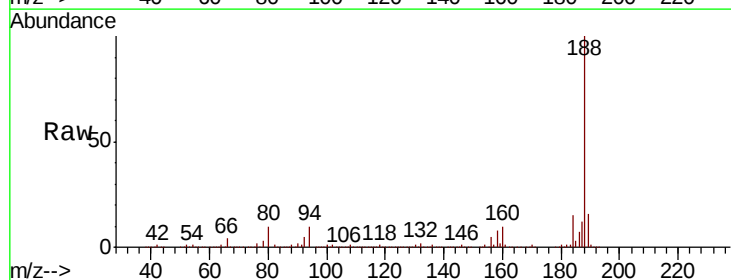


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

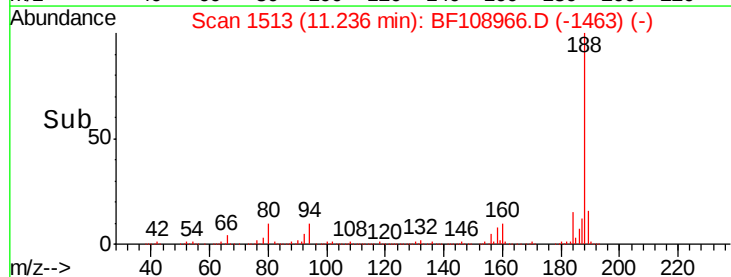
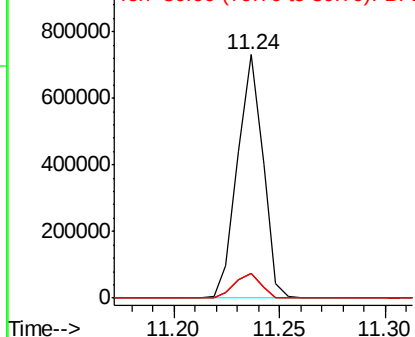


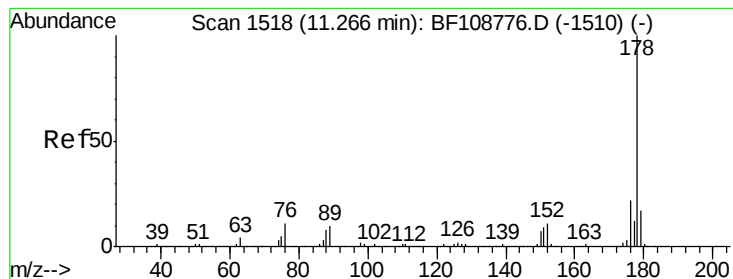
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BF108966.D
Acq: 13 Sep 2018 16:09

Tgt Ion:188 Resp: 611186
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.4 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: 6.250 ng

RT: 11.26 min Scan# 1517

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampleId :

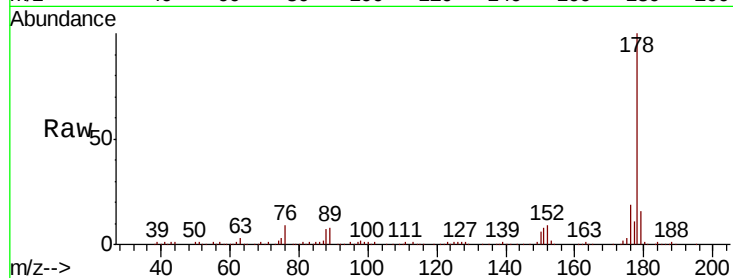
Tot Ion:178 Resp: 182423

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

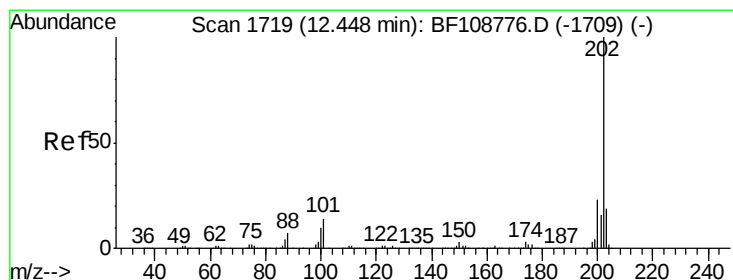
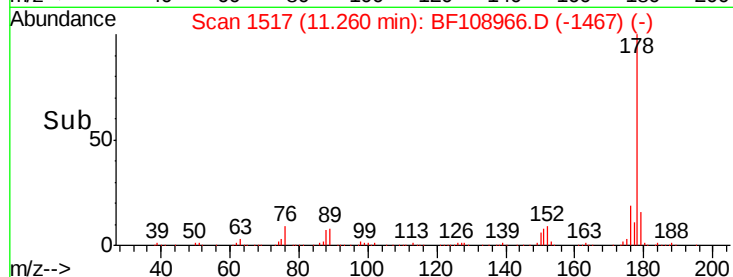
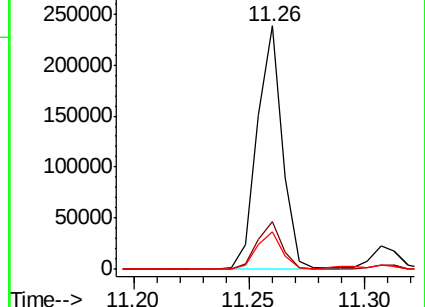
179 15.6 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.871 ng

RT: 12.44 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

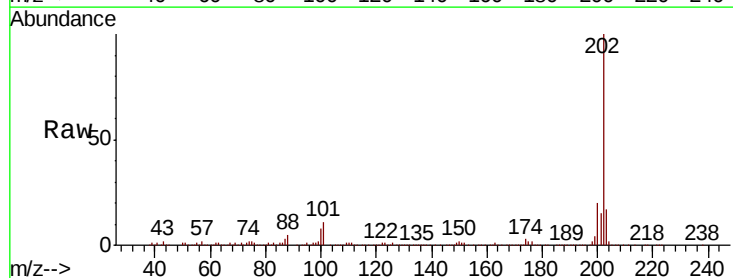
Tgt Ion:202 Resp: 285251

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.1

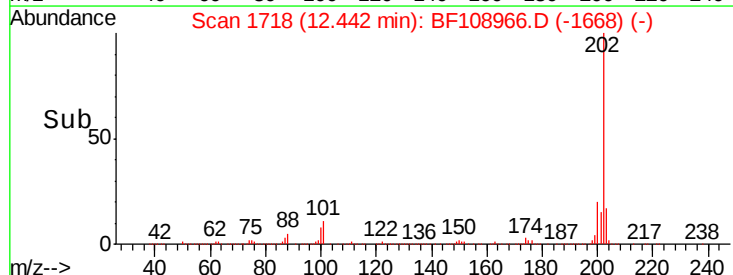
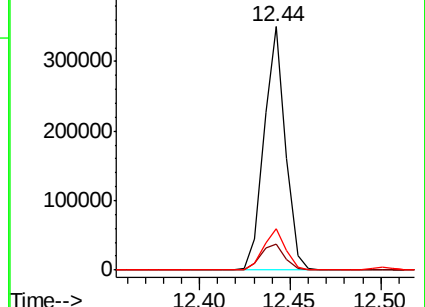
203 17.0 0.0 38.1

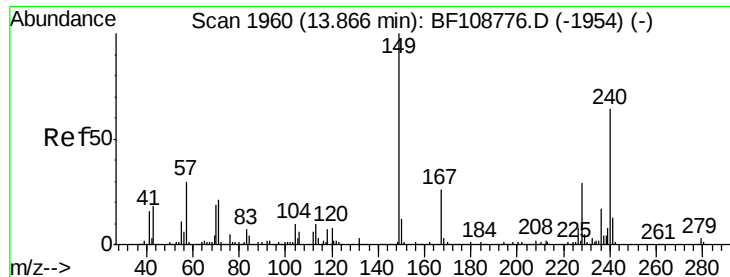


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.87 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampleId :

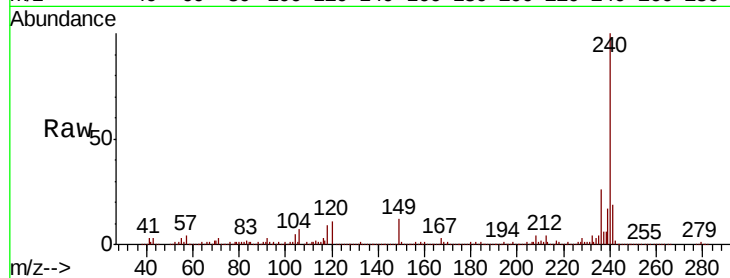
Tot Ion:240 Resp: 433134

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

236 26.5 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

600000

500000

400000

300000

200000

100000

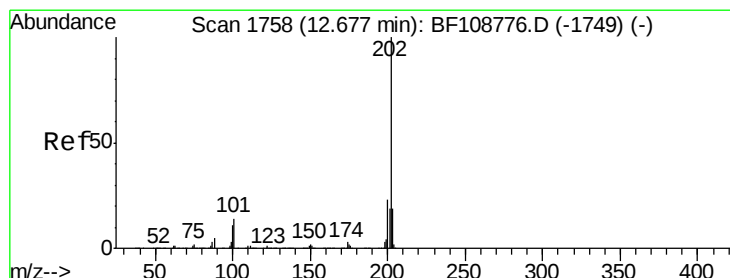
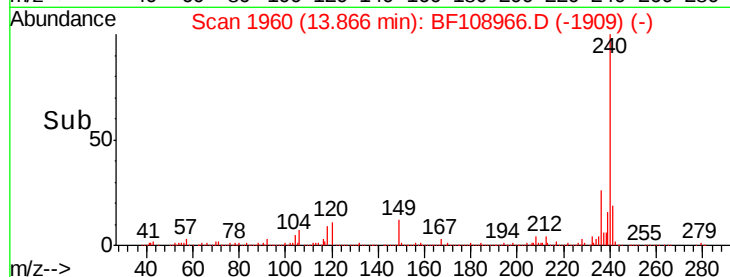
0

13.87

13.80

13.90

Time-->



#77

Pyrene

Concen: 6.677 ng

RT: 12.67 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

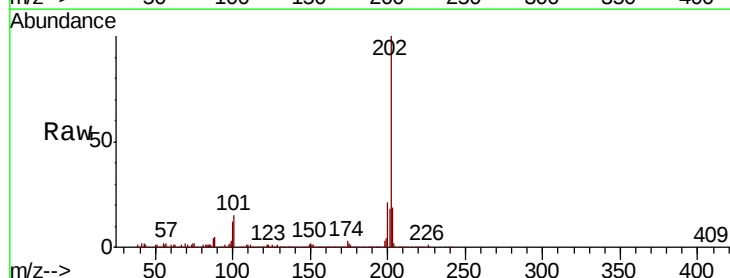
Tgt Ion:202 Resp: 222550

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

203 18.8 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

300000

200000

100000

0

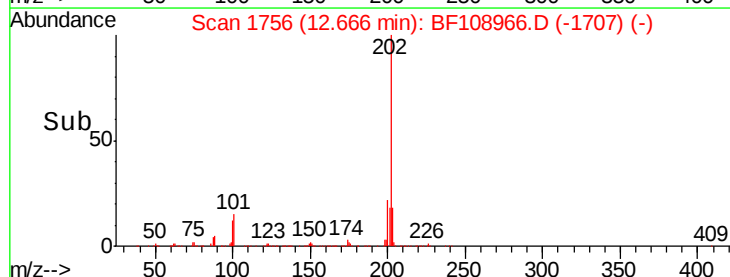
12.67

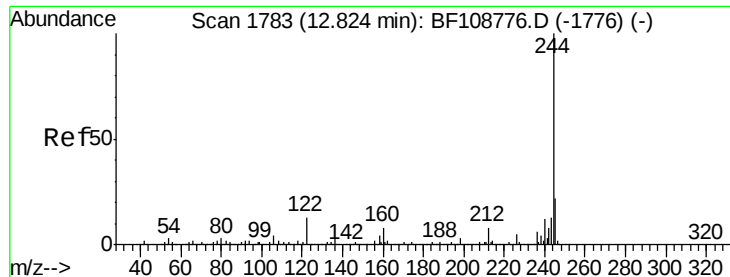
12.60

12.65

12.70

Time-->





#78

Terphenyl-d14

Concen: 27.023 ng

RT: 12.82 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF108966.D

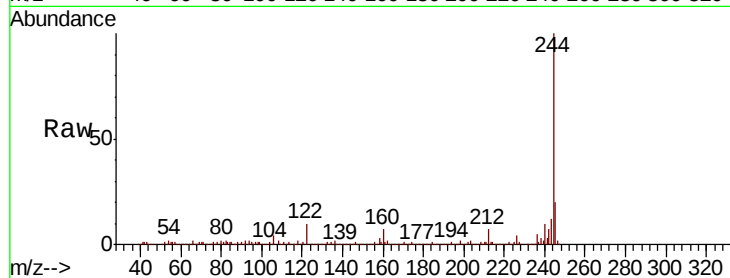
Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampleId :

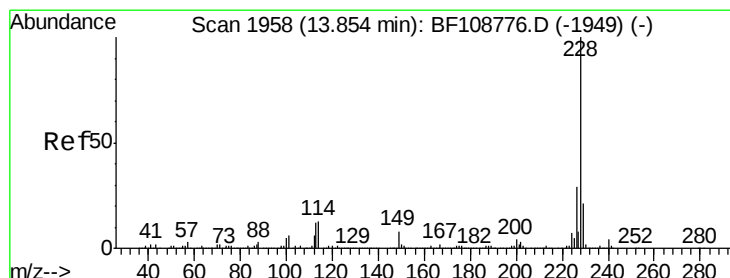
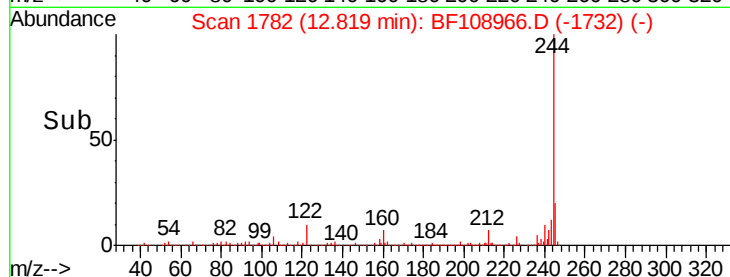
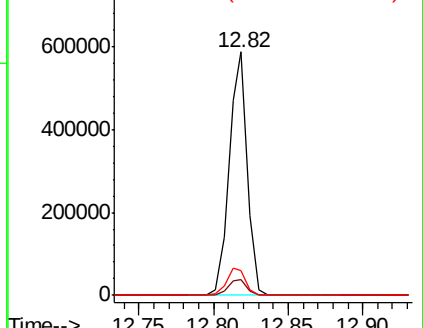
Tot Ion:244	Resp:	501939
Ion Ratio	Lower	Upper
244	100	
212	6.6	5.4 8.0
122	10.3	11.0 16.4#



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: 2.787 ng

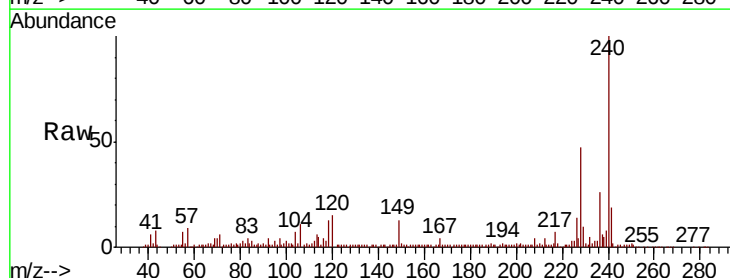
RT: 13.85 min Scan# 1958

Delta R.T. 0.00 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

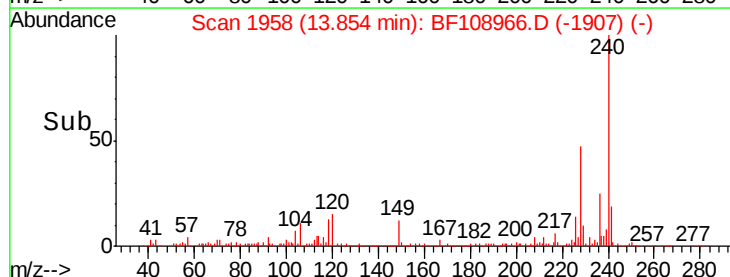
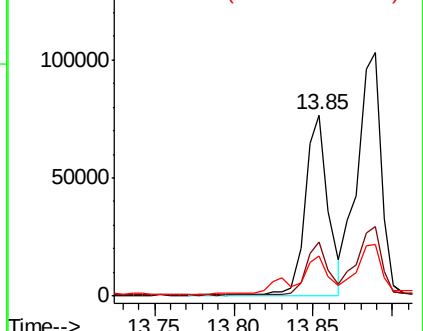
Tgt Ion:228	Resp:	77366
Ion Ratio	Lower	Upper
228	100	
226	29.6	22.6 33.8
229	21.8	15.8 23.6

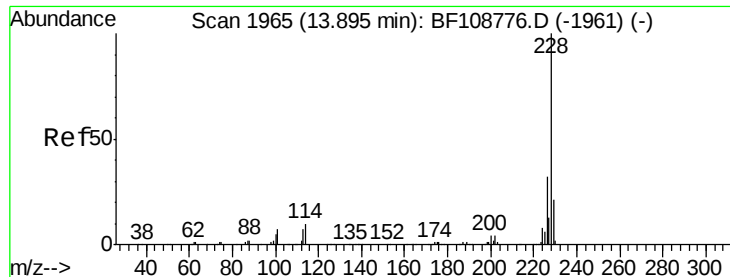


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

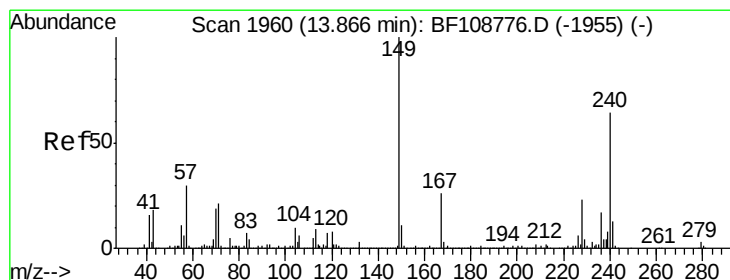
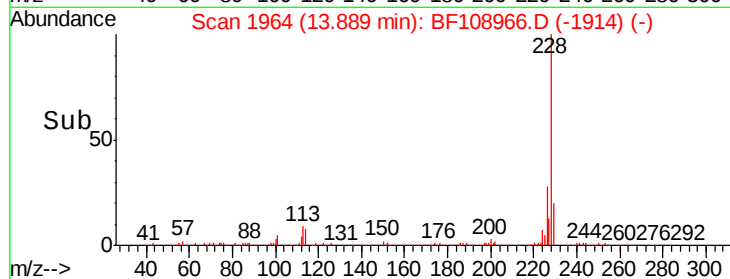
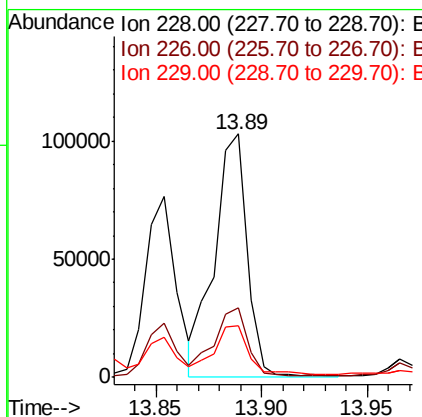
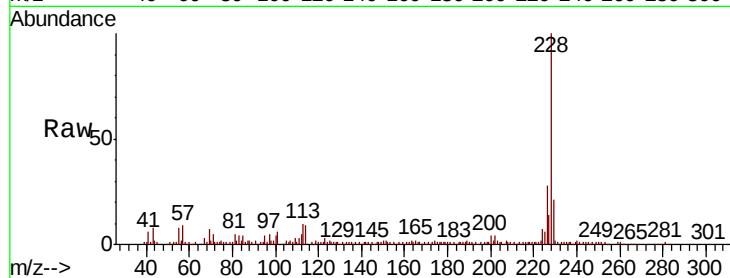




#82
 Chrysene
 Concen: 4.089 ng
 RT: 13.89 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: BF108966.D
 Acq: 13 Sep 2018 16:09

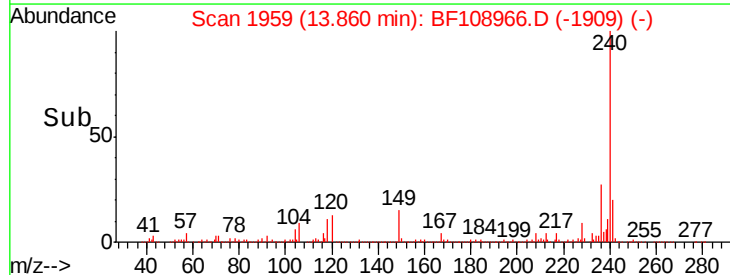
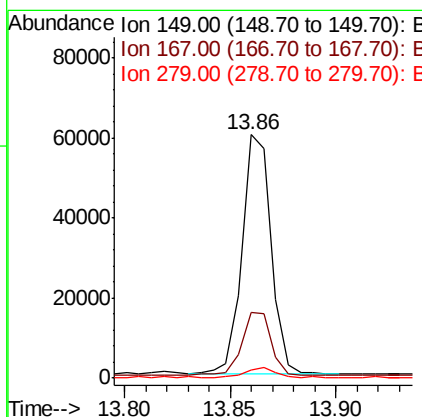
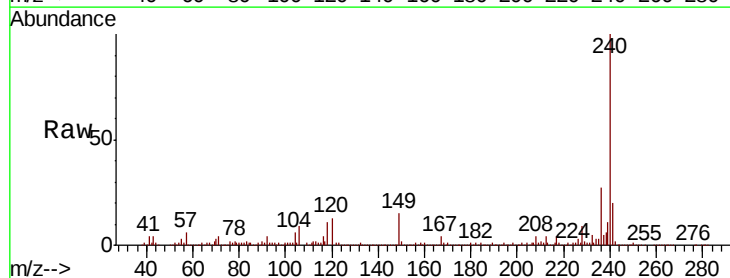
Instrument :
 BNA_F
 ClientSampleId :

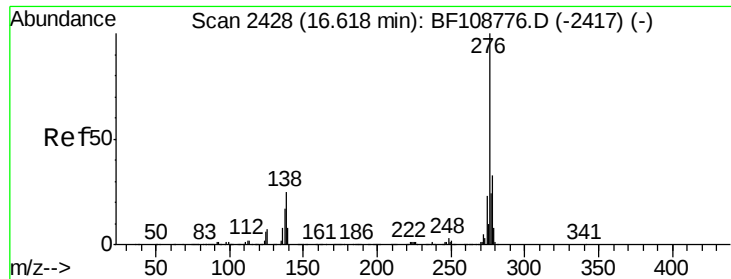
Tot Ion:228 Resp: 109894
 Ion Ratio Lower Upper
 228 100
 226 28.4 25.0 37.6
 229 21.0 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.023 ng
 RT: 13.86 min Scan# 1959
 Delta R.T. -0.01 min
 Lab File: BF108966.D
 Acq: 13 Sep 2018 16:09

Tgt Ion:149 Resp: 57010
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.3 31.9
 279 3.3 3.0 4.4

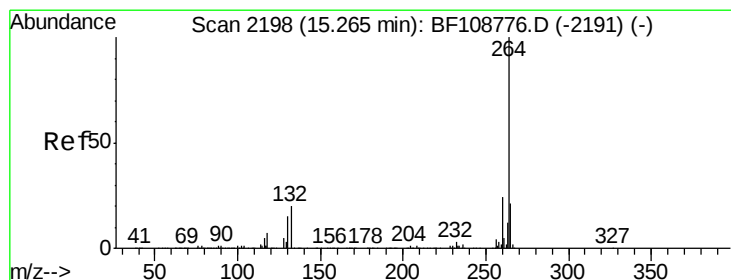
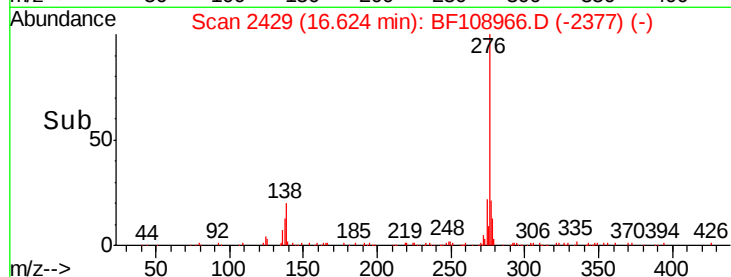
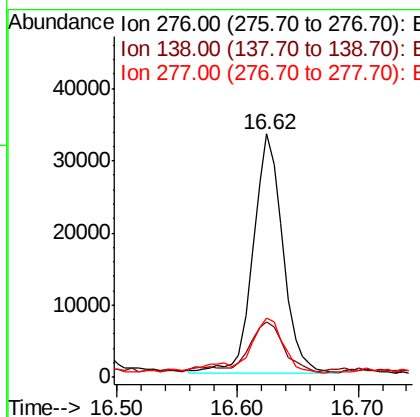
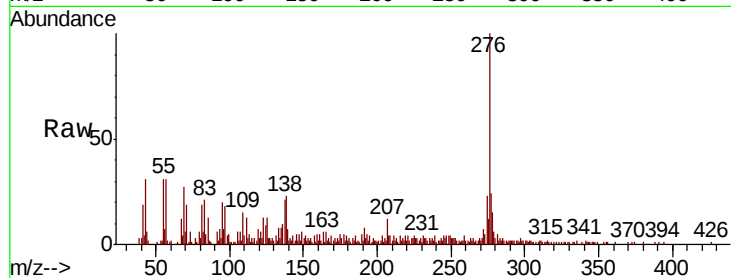




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.398 ng
RT: 16.62 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BF108966.D
Acq: 13 Sep 2018 16:09

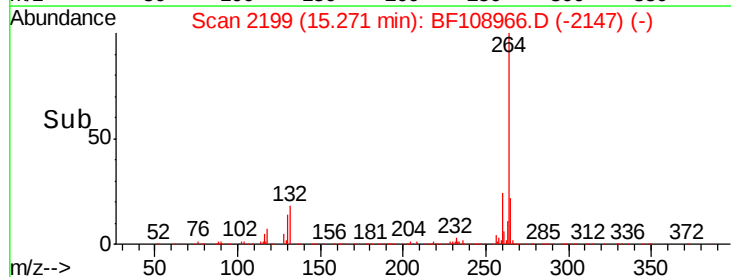
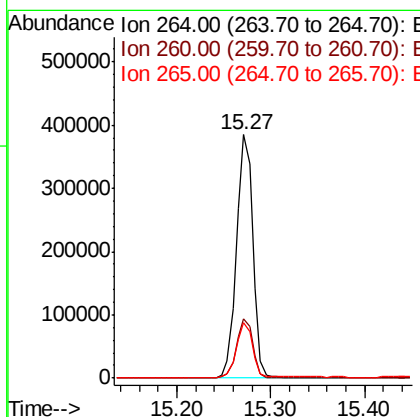
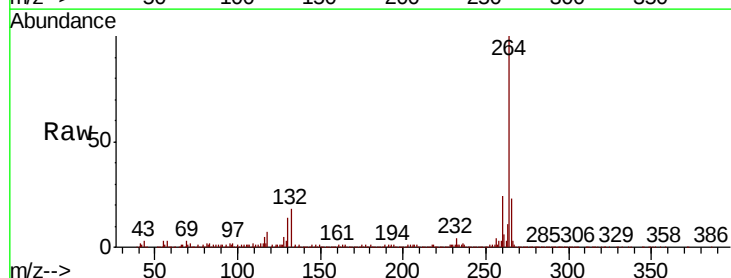
Instrument :
BNA_F
ClientSampleId :

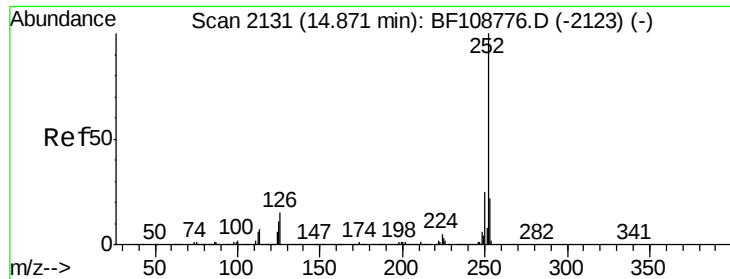
Tot Ion:276 Resp: 57037
Ion Ratio Lower Upper
276 100
138 22.6 25.0 37.6#
277 27.3 20.1 30.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2199
Delta R.T. 0.01 min
Lab File: BF108966.D
Acq: 13 Sep 2018 16:09

Tgt Ion:264 Resp: 461899
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.5 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 7.158 ng

RT: 14.87 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampled :

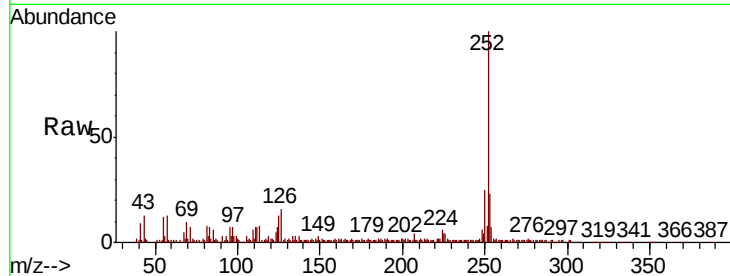
Tot Ion:252 Resp: 179772

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

125 13.4 9.0 13.6

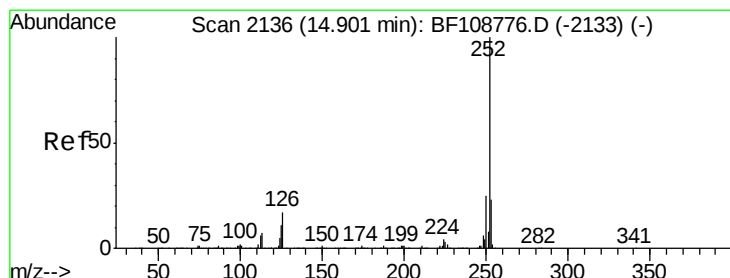
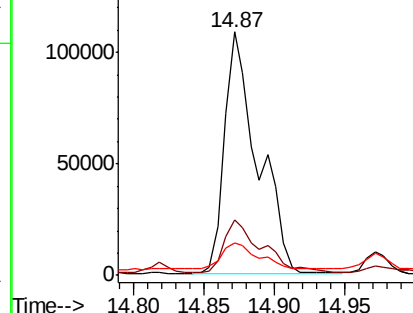
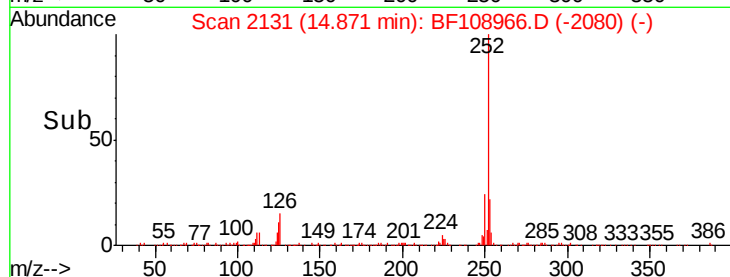


Abundance

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: 7.772 ng

RT: 14.87 min Scan# 2131

Delta R.T. -0.03 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

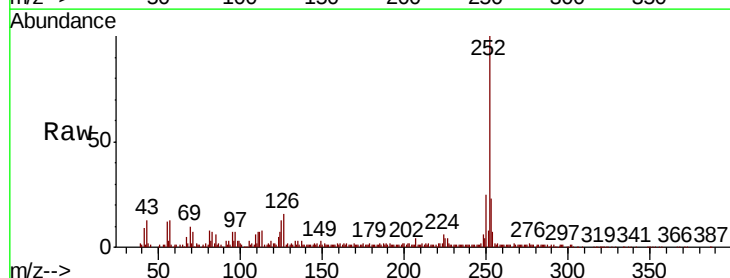
Tgt Ion:252 Resp: 179772

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 13.4 10.2 15.2

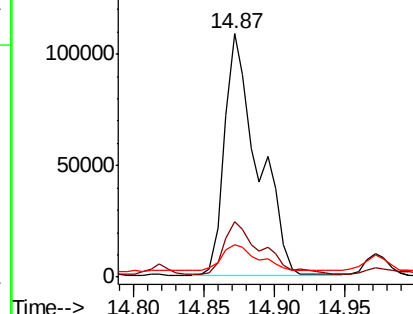
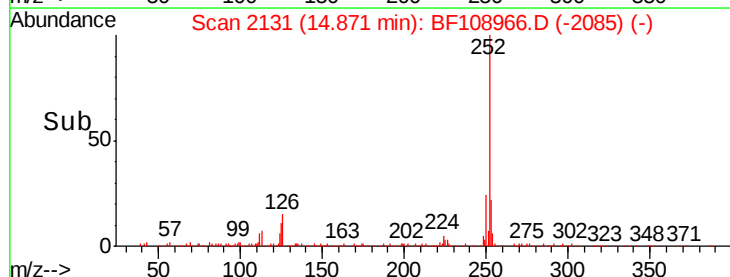


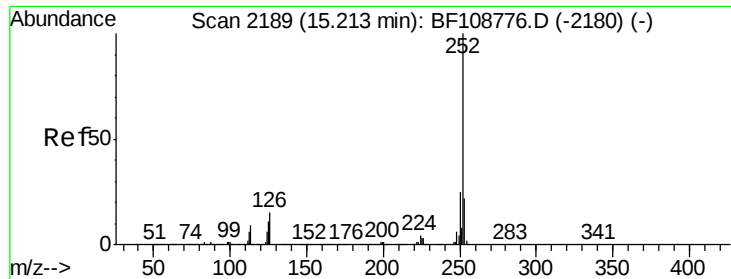
Abundance

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: 3.348 ng

RT: 15.21 min Scan# 2189

Delta R.T. 0.00 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

Instrument :

BNA_F

ClientSampleId :

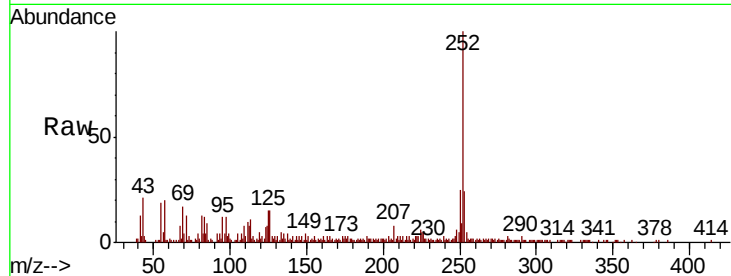
Tot Ion:252 Resp: 75875

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

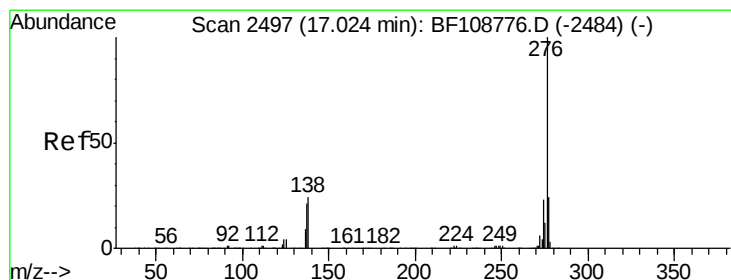
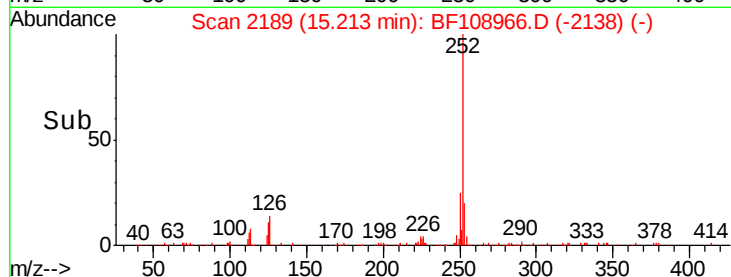
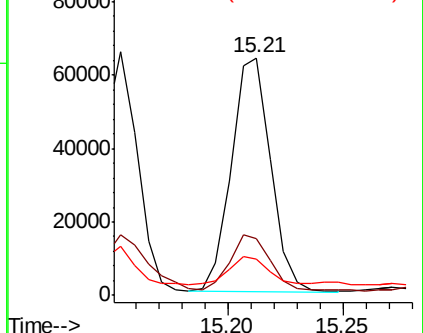
125 15.0 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 2.595 ng

RT: 17.03 min Scan# 2498

Delta R.T. 0.01 min

Lab File: BF108966.D

Acq: 13 Sep 2018 16:09

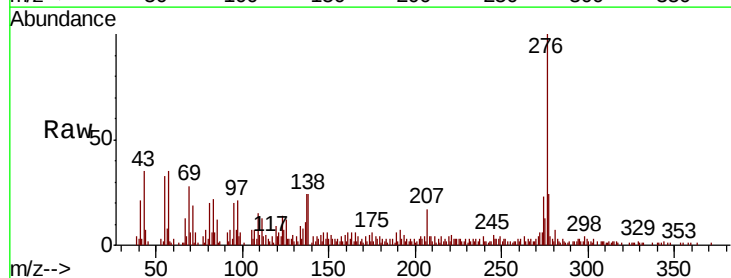
Tgt Ion:276 Resp: 51877

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 24.4 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

