

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108513.D
 Acq On : 27 Aug 2018 16:28
 Operator : JU/SJ
 Sample : J4646-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 16:59:48 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	115644	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	451054	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	215705	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	354179	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	278878	20.00	ng	-0.01
86) Perylene-d12	15.75	264	269016	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	446640	69.92	ng	0.00
7) Phenol-d6	6.62	99	610630	71.94	ng	-0.01
23) Nitrobenzene-d5	7.56	82	402622	49.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	140977	65.52	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	791636	58.92	ng	-0.01
78) Terphenyl-d14	13.12	244	576191	52.53	ng	0.00

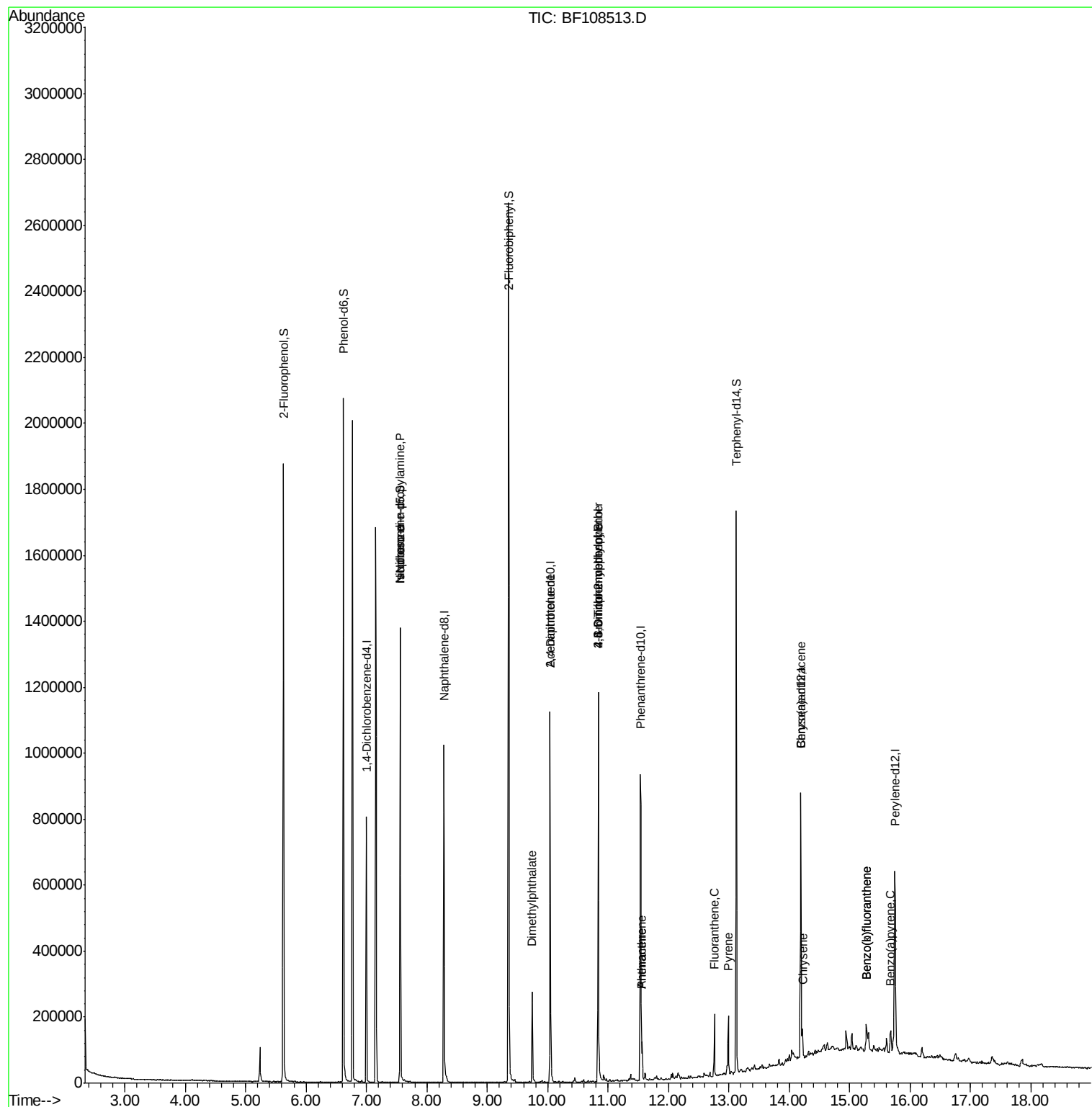
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	53208	9.270	ng	# 85
25) Isophorone	7.56	82	402617	26.132	ng	# 64
49) Dimethylphthalate	9.74	163	118067	7.858	ng	100
56) 2,4-Dinitrotoluene	10.04	165	28109	6.947	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	172	5.474	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	8568	2.226	ng	# 1
70) Phenanthrene	11.56	178	47344	2.834	ng	98
71) Anthracene	11.56	178	47344	2.765	ng	98
74) Fluoranthene	12.76	202	75281	4.129	ng	95
77) Pyrene	12.99	202	70127	3.972	ng	98
80) Benzo(a)anthracene	14.18	228	35669	2.229	ng	100
82) Chrysene	14.22	228	34095	2.324	ng	96
87) Benzo(b)fluoranthene	15.28	252	61805	3.845	ng	96
88) Benzo(k)fluoranthene	15.28	252	61805	4.183	ng	98
89) Benzo(a)pyrene	15.68	252	31844	2.212	ng	94

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

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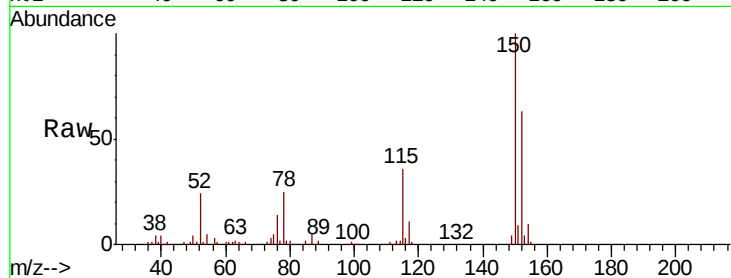


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	58.1	50.1	75.1

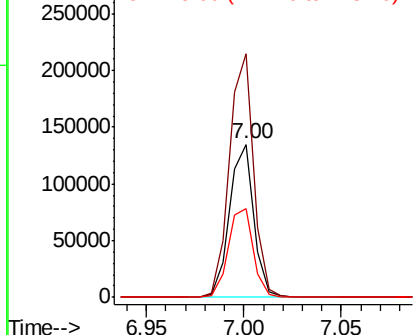
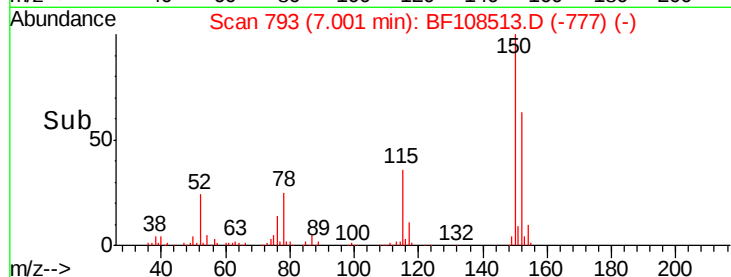


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

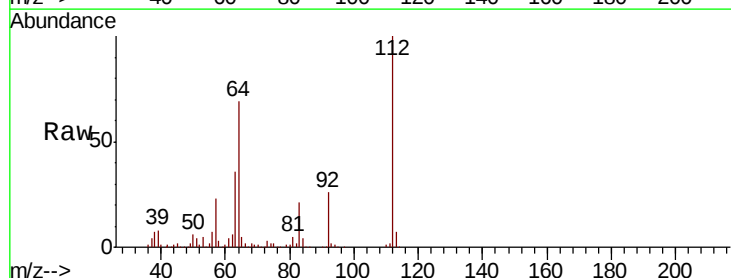
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 69.923 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	47.9	71.9
63	36.4	23.7	35.5#

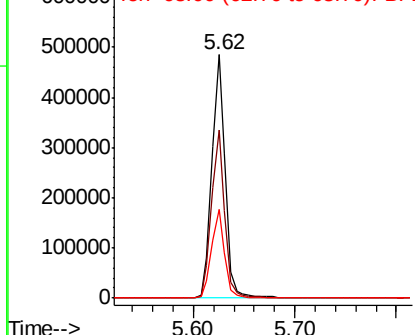
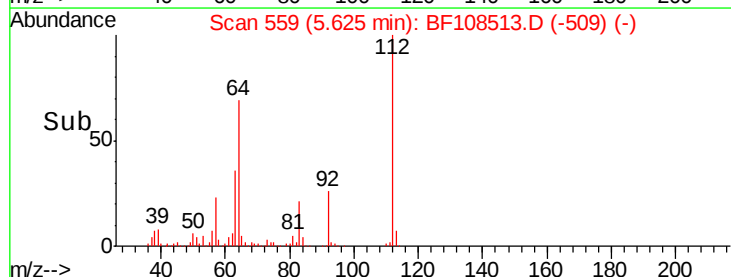


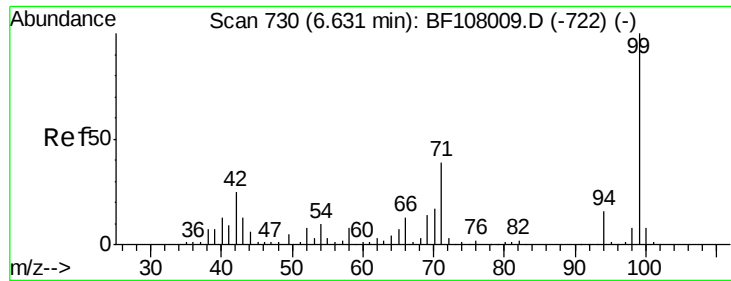
Abundance

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: 71.939 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Instrument :

BNA_F

ClientSampled :

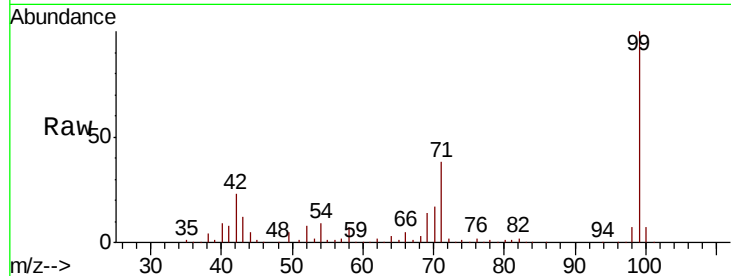
Tot Ion: 99 Resp: 610630

Ion Ratio Lower Upper

99 100

42 22.8 14.5 21.7#

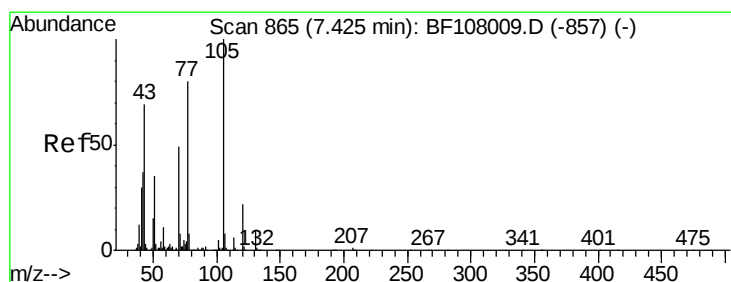
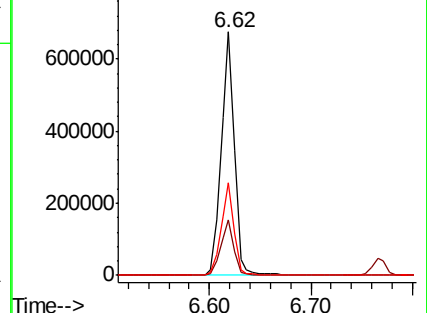
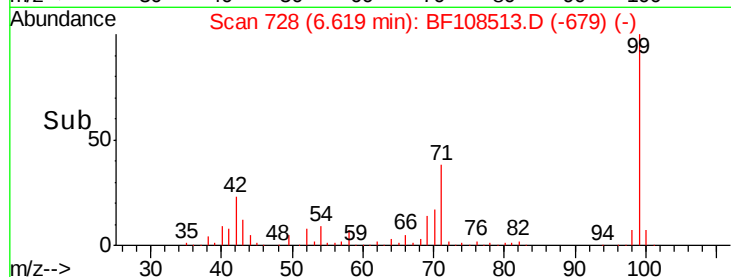
71 37.9 25.4 38.0



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: 9.270 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Tgt Ion: 70 Resp: 53208

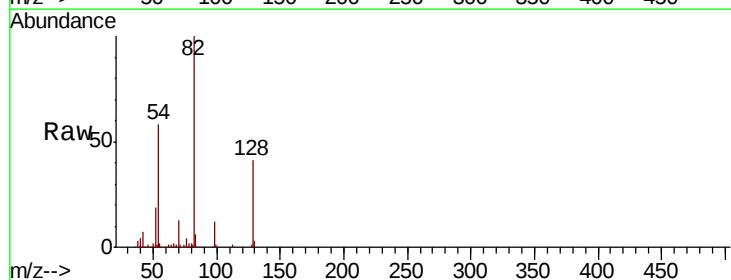
Ion Ratio Lower Upper

70 100

42 55.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

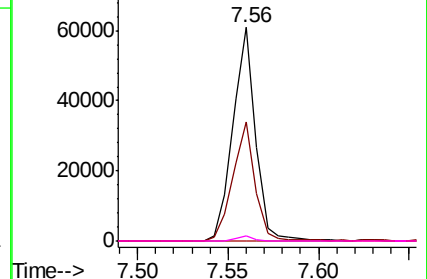
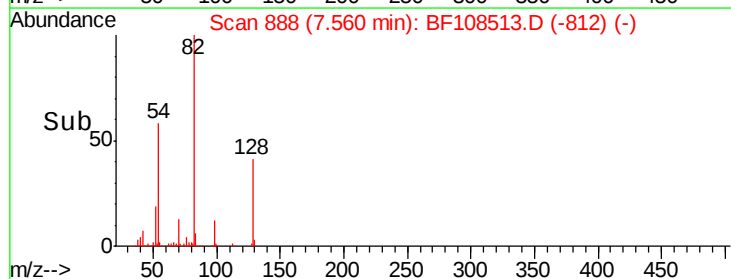


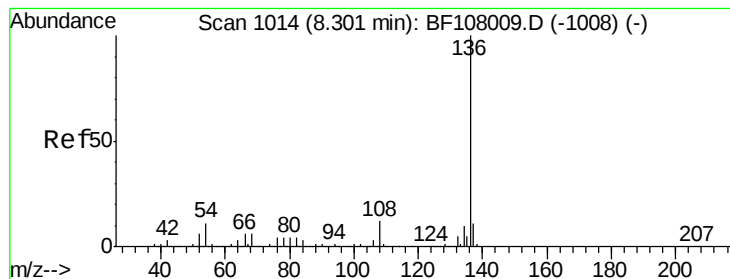
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

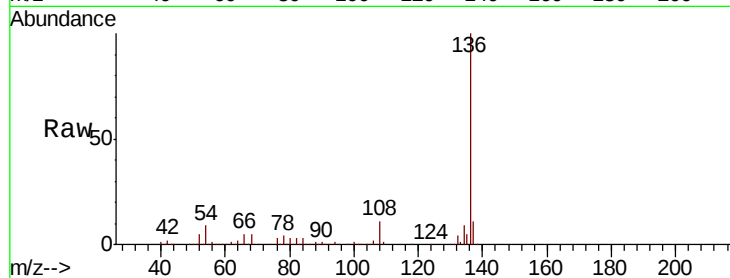




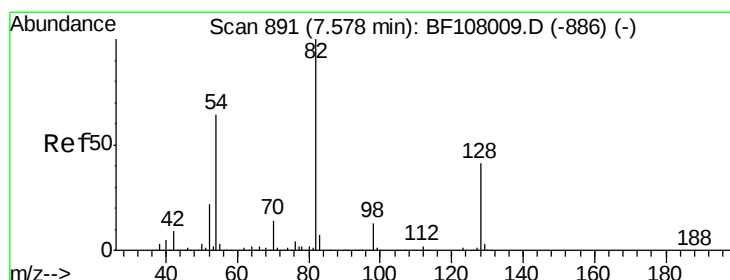
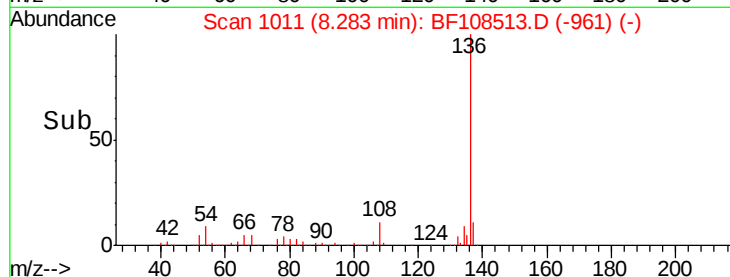
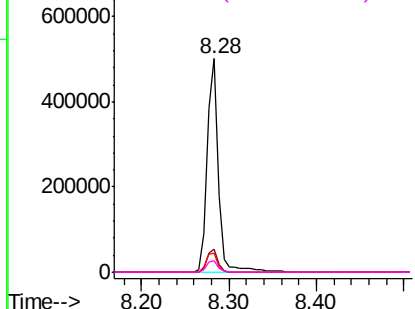
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	451054
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 9.1	6.6	9.8
68 5.4	5.0	7.4

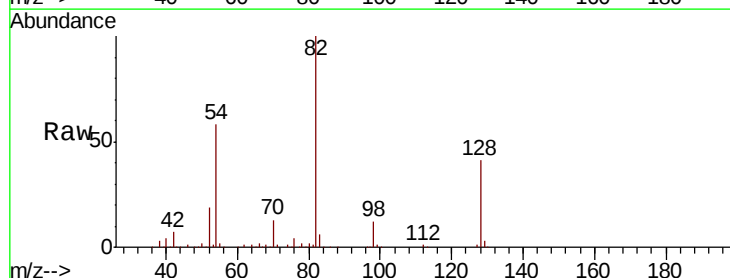


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

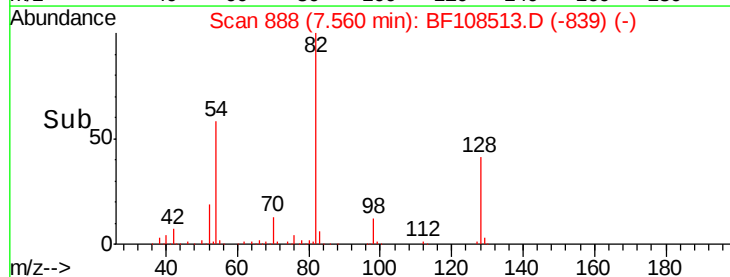
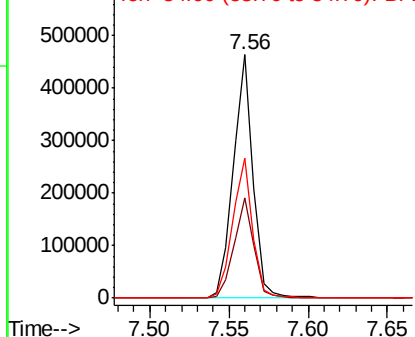


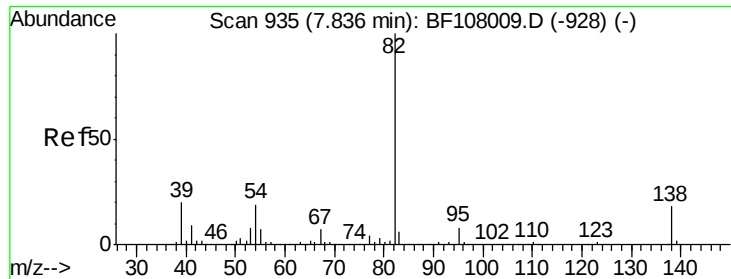
#23
Nitrobenzene-d5
Concen: 49.810 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion: 82	Resp: 402622
Ion Ratio	Lower Upper
82 100	
128 41.3	36.1 54.1
54 57.6	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: 26.132 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.26 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Instrument :

BNA_F

ClientSampleId :

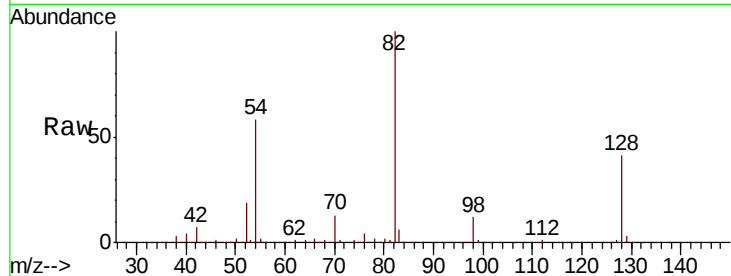
Tot Ion: 82 Resp: 402617

Ion Ratio Lower Upper

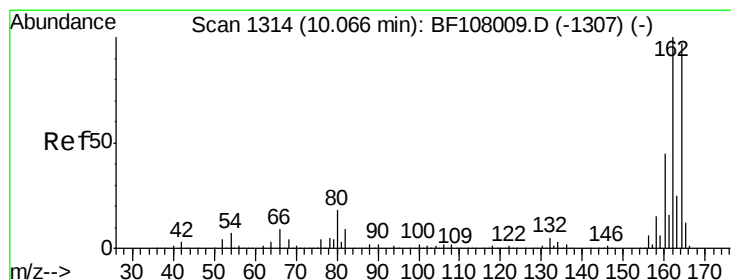
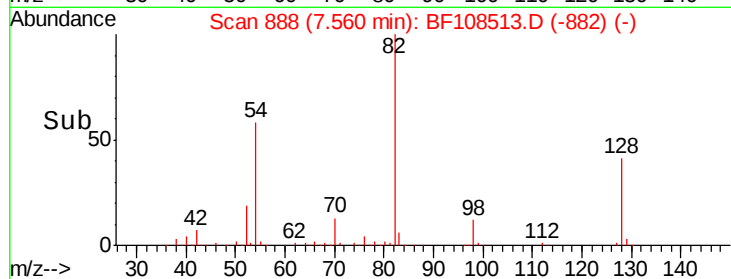
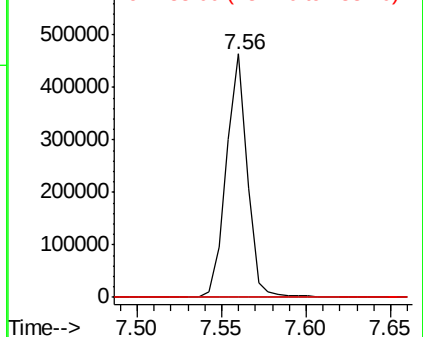
82 100

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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

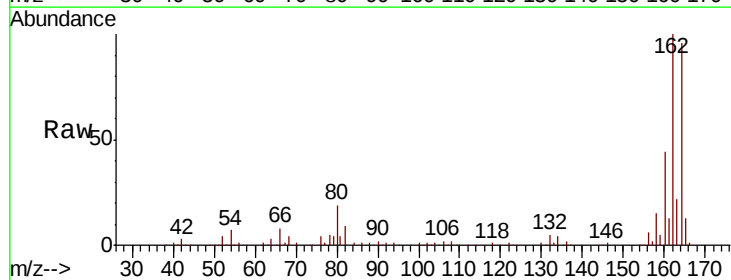
Tgt Ion:164 Resp: 215705

Ion Ratio Lower Upper

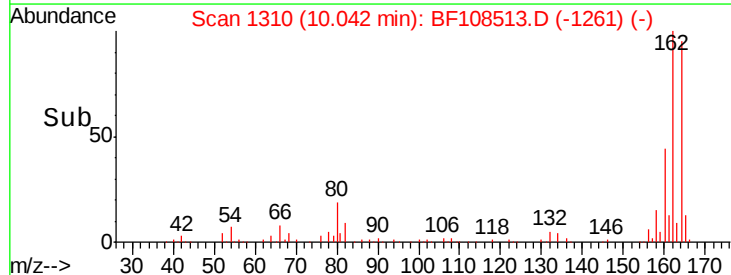
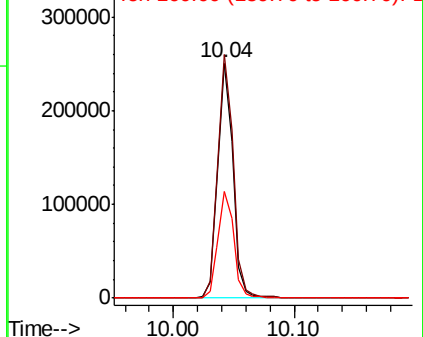
164 100

162 103.7 86.1 129.1

160 45.3 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

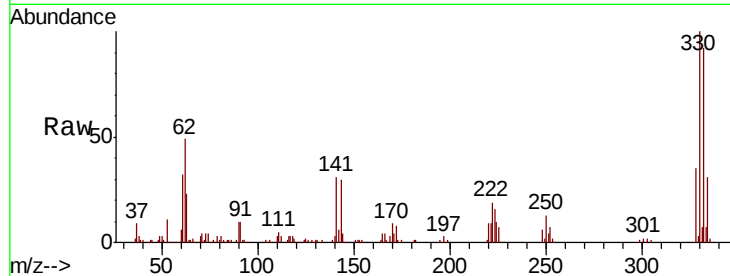




#41
 2,4,6-Tribromophenol
 Concen: 65.522 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.5	77.0	115.6
141	32.7	29.9	44.9

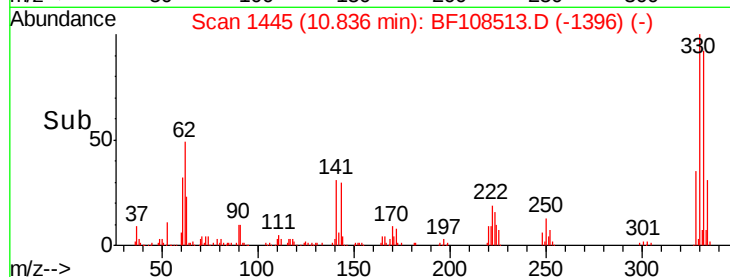
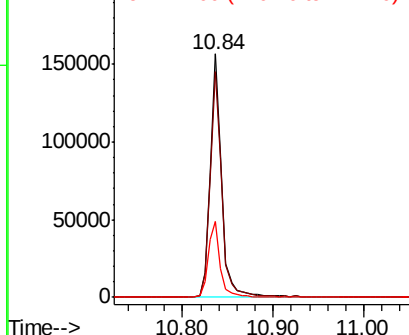


Abundance

Ion 329.80 (329.50 to 330.50): E

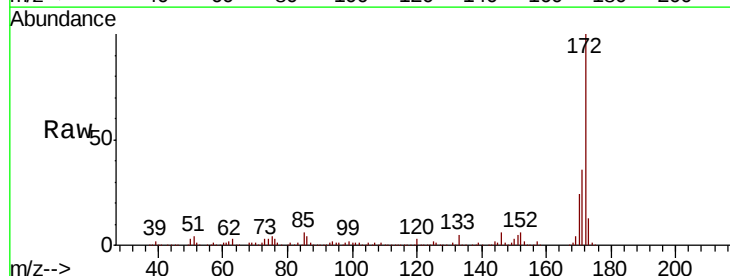
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 58.921 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.2	19.6	29.4

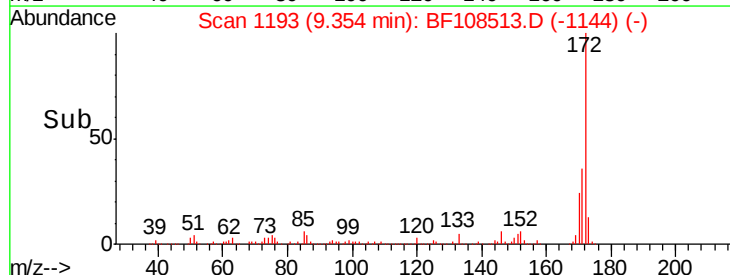
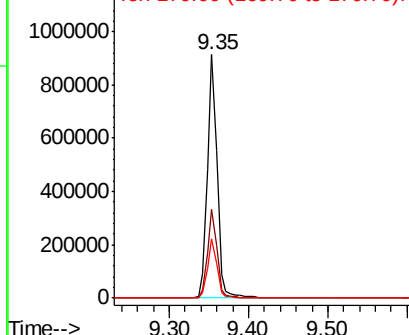


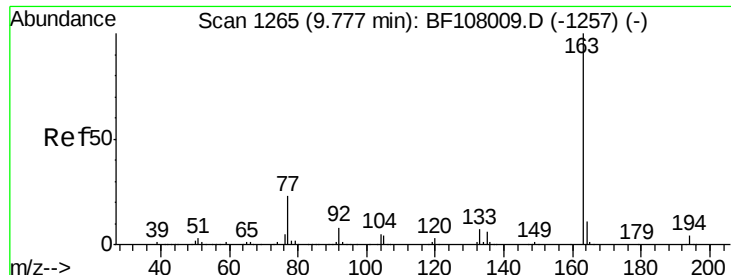
Abundance

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

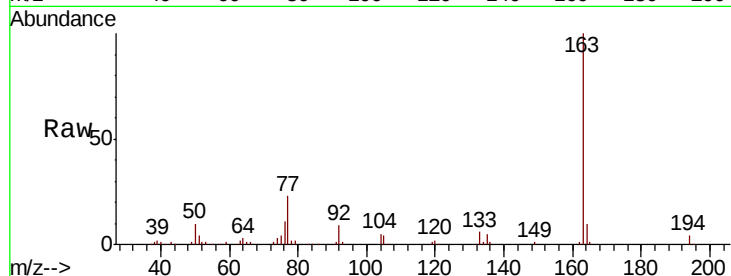




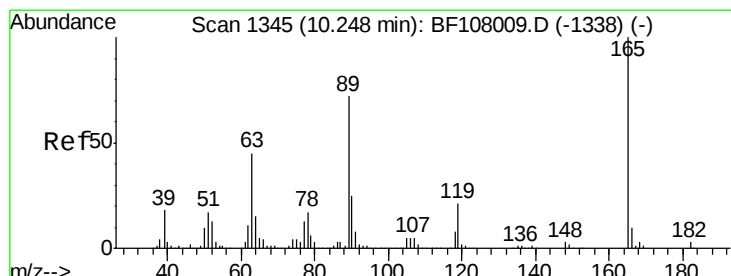
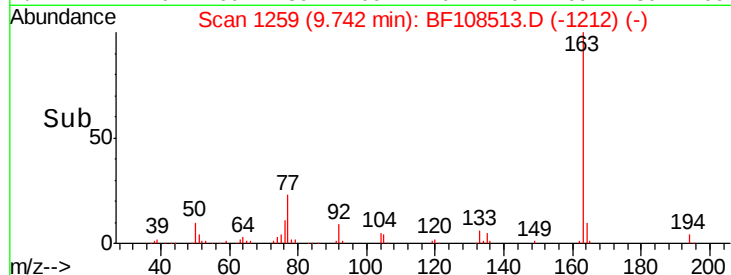
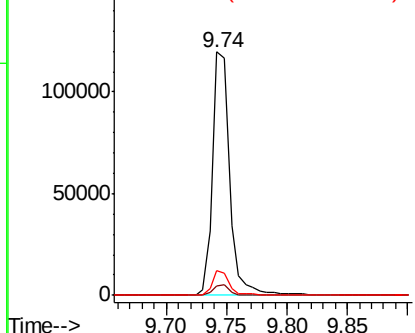
#49
Dimethylphthalate
Concen: 7.858 ng
RT: 9.74 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2



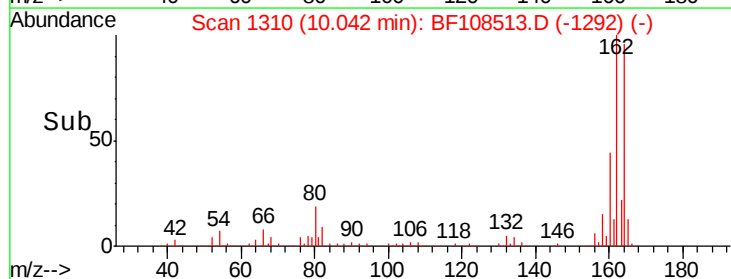
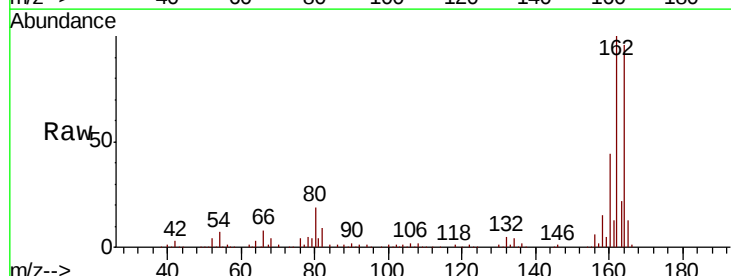
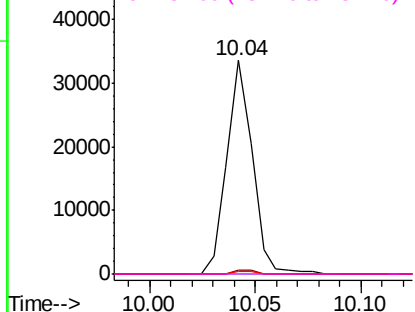
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

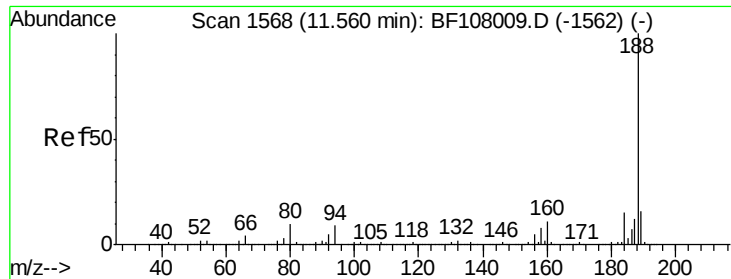


#56
2,4-Dinitrotoluene
Concen: 6.947 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.3	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

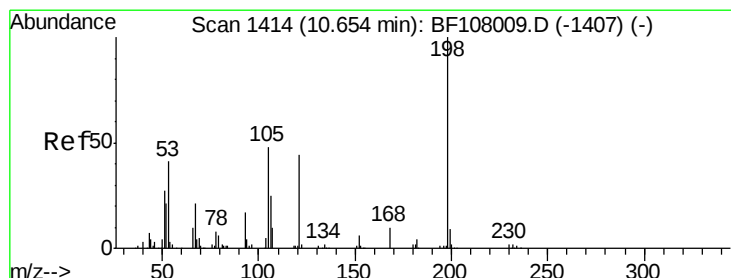
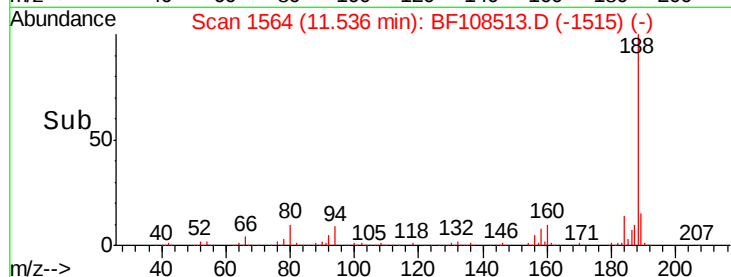
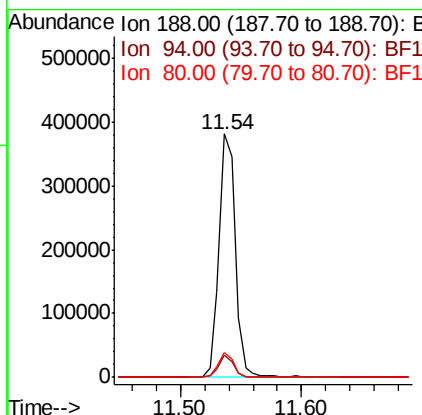
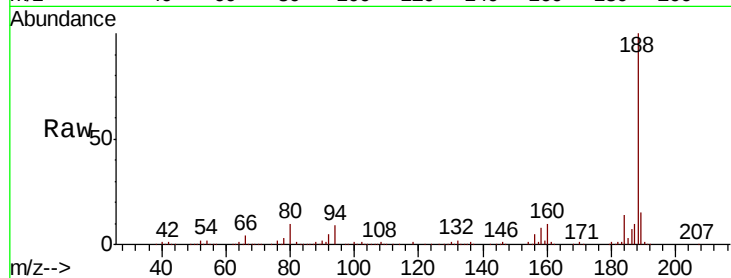




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

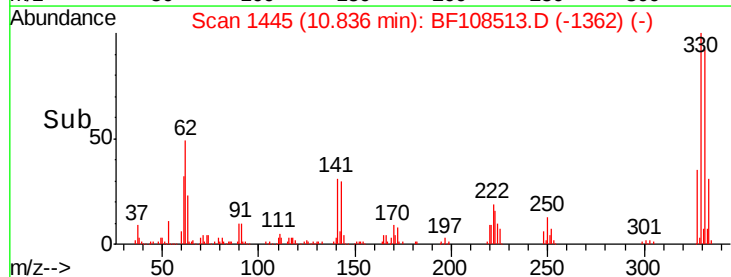
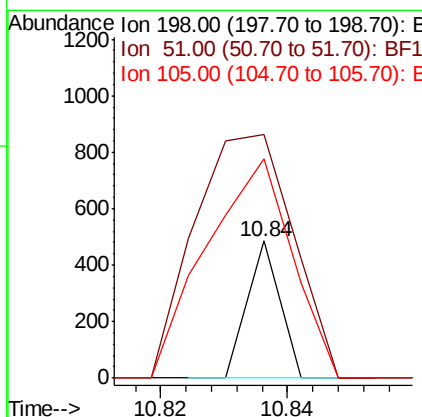
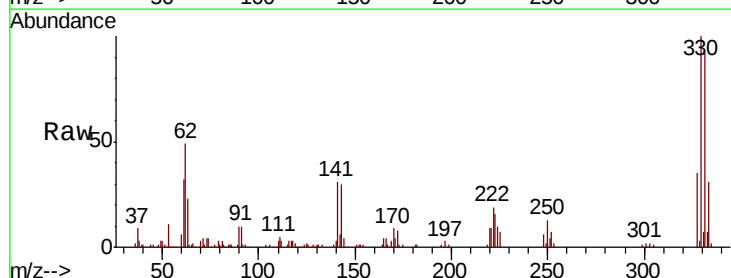
Instrument :
 BNA_F
 ClientSampled :

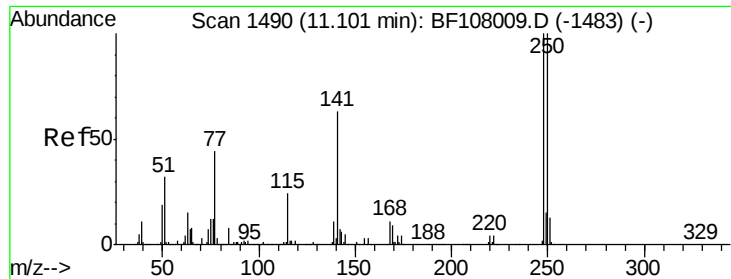
Tot Ion:188 Resp: 354179
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 10.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.474 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion:198 Resp: 172
 Ion Ratio Lower Upper
 198 100
 51 177.4 37.7 77.7#
 105 160.1 36.3 76.3#

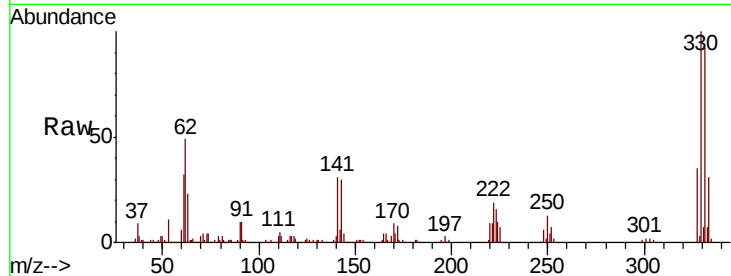




#66
 4-Bromophenyl-phenylether
 Concen: 2.226 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	202.8	76.9	115.3#
141	480.0	74.4	111.6#

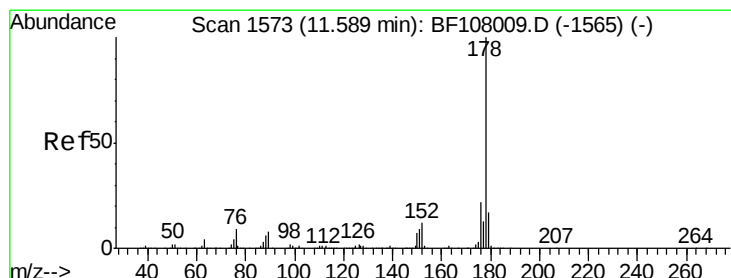
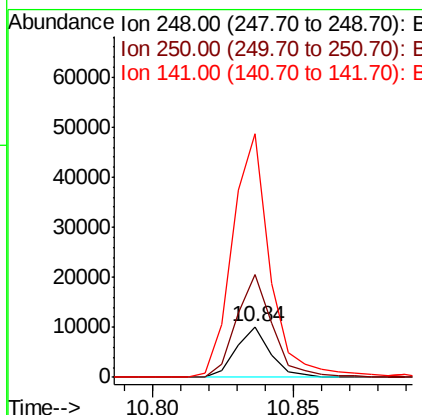
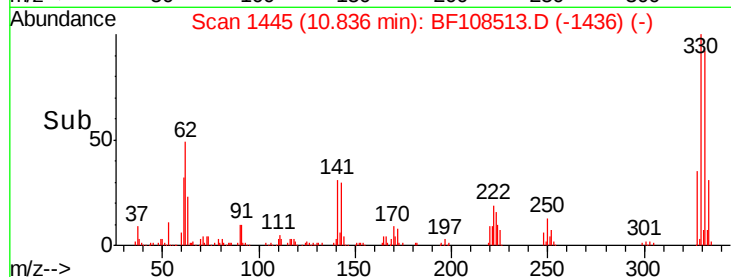


Abundance

Ion 248.00 (247.70 to 248.70): E

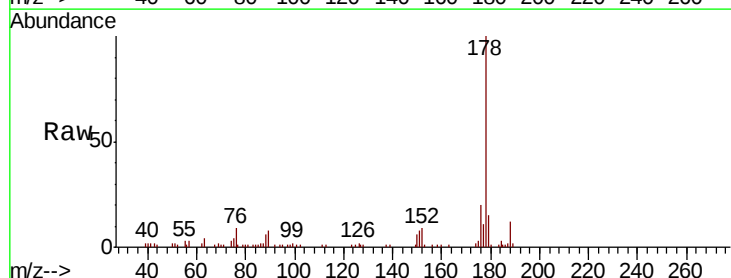
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70
 Phenanthrene
 Concen: 2.834 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	14.9	13.0	19.6

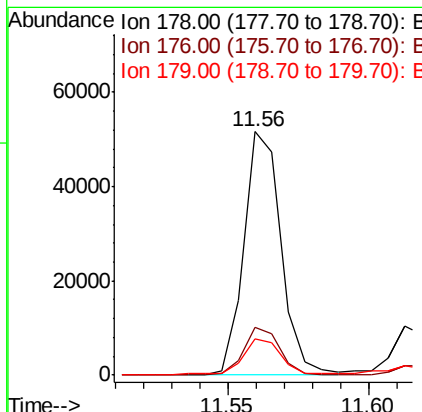
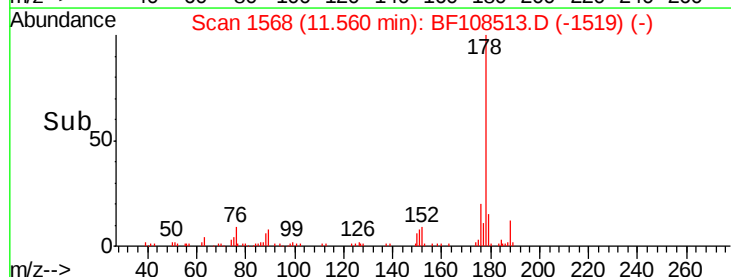


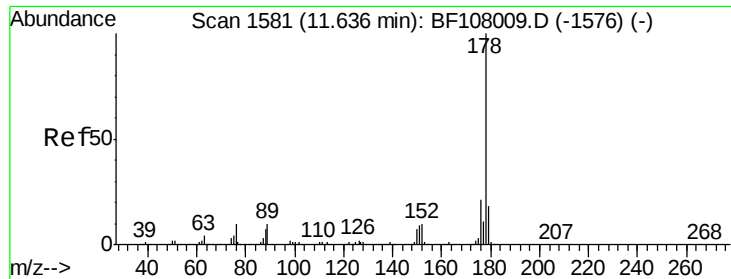
Abundance

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

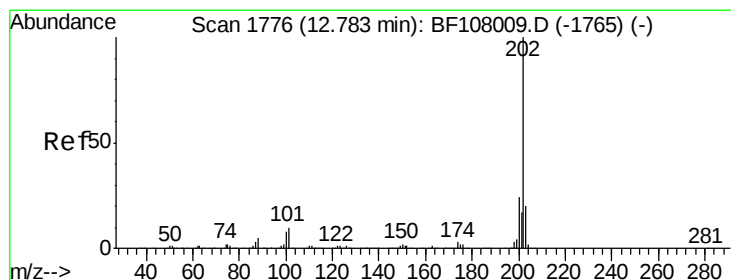
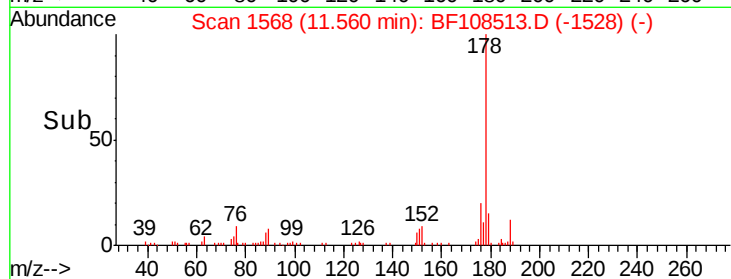
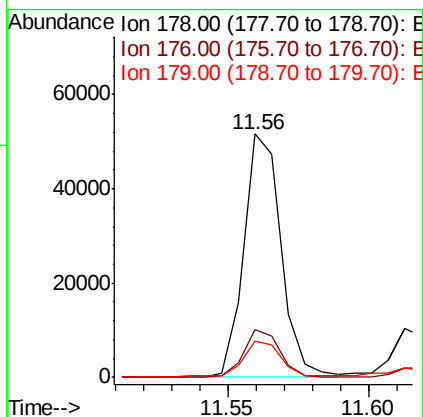
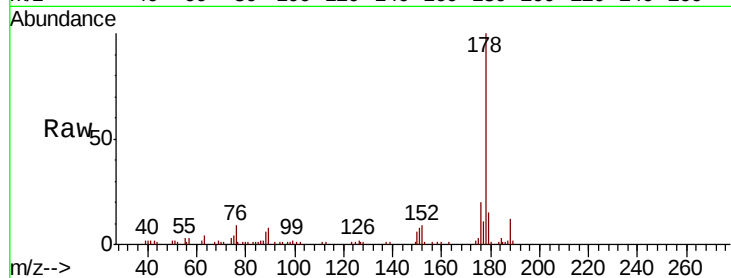




#71
 Anthracene
 Concen: 2.765 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.06 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

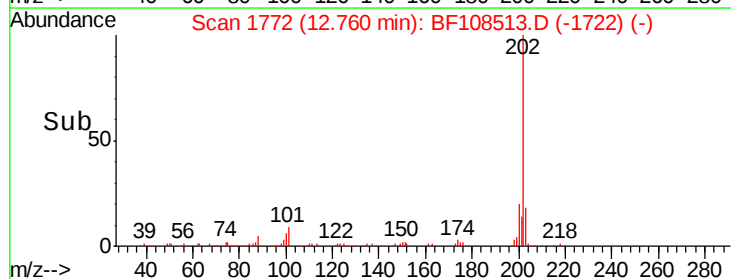
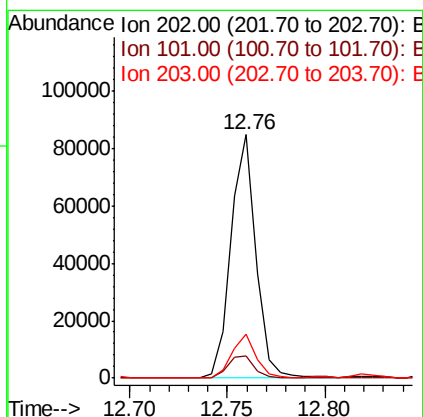
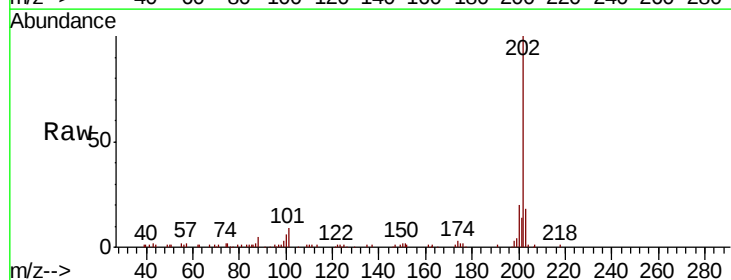
Instrument :
 BNA_F
 ClientSampleId :

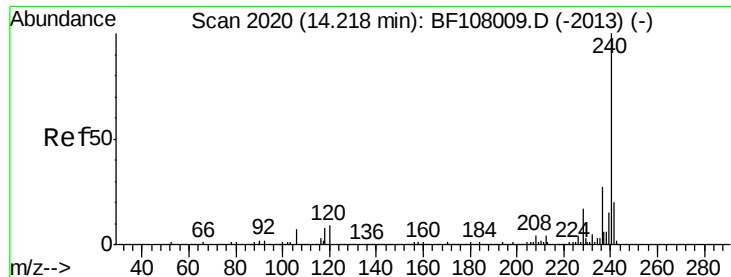
Tot Ion:178 Resp: 47344
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.4 23.2
 179 14.9 12.6 19.0



#74
 Fluoranthene
 Concen: 4.129 ng
 RT: 12.76 min Scan# 1772
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion:202 Resp: 75281
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 34.1
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Instrument :

BNA_F

ClientSampleId :

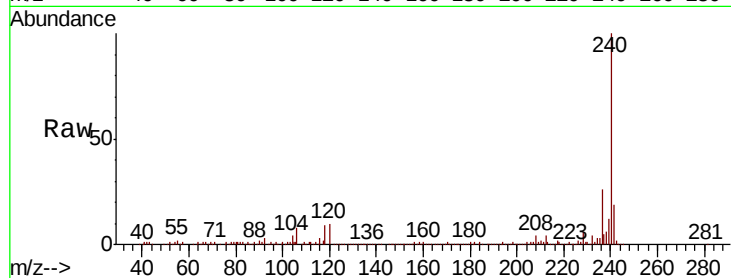
Tot Ion:240 Resp: 278878

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

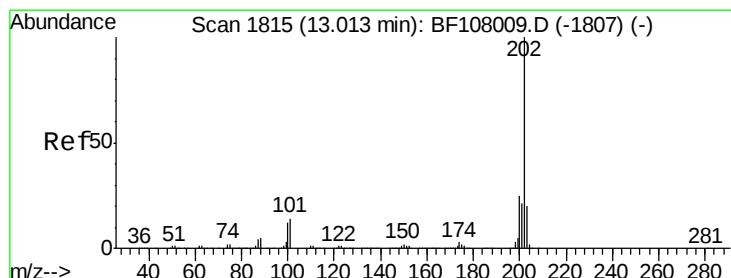
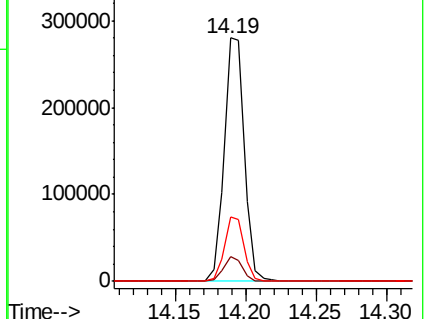
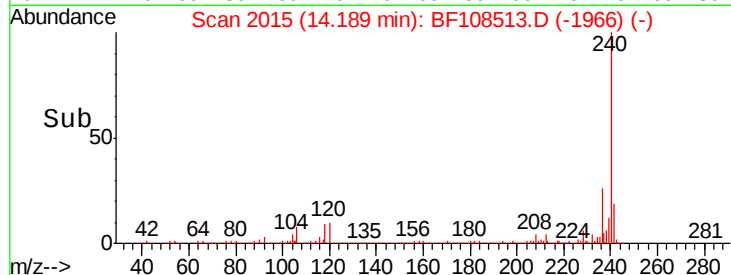
236 26.2 20.7 31.1



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: 3.972 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

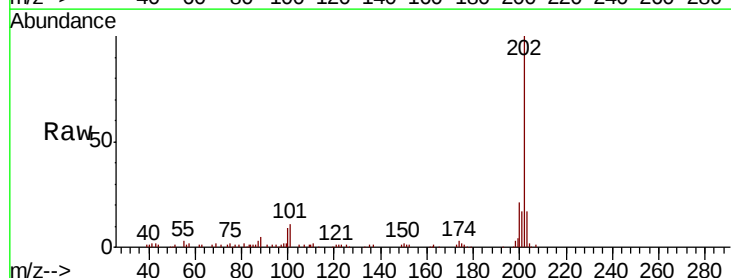
Tgt Ion:202 Resp: 70127

Ion Ratio Lower Upper

202 100

200 20.7 17.4 26.2

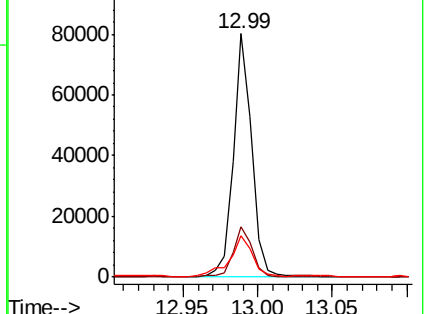
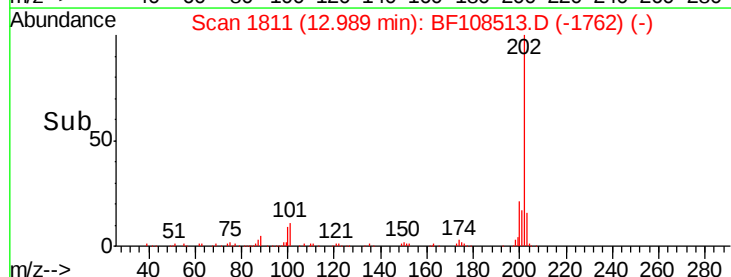
203 16.8 14.3 21.5

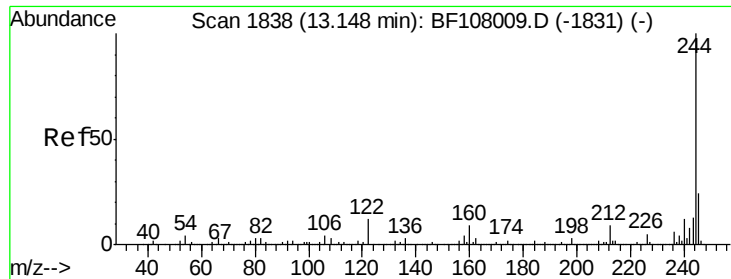


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

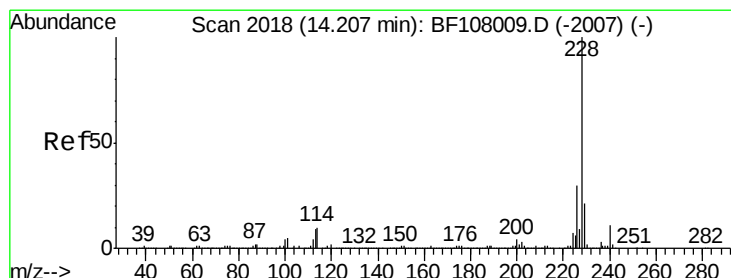
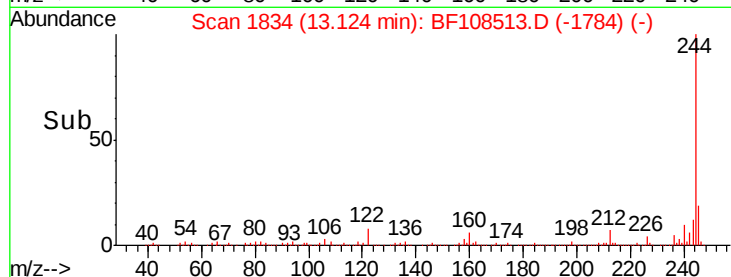
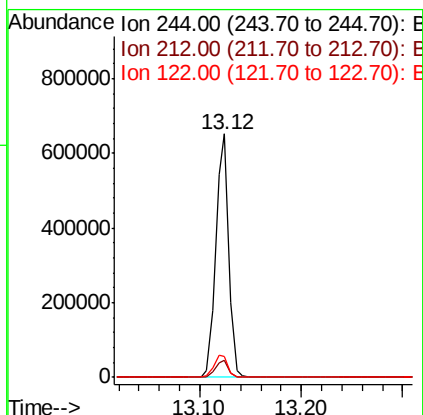
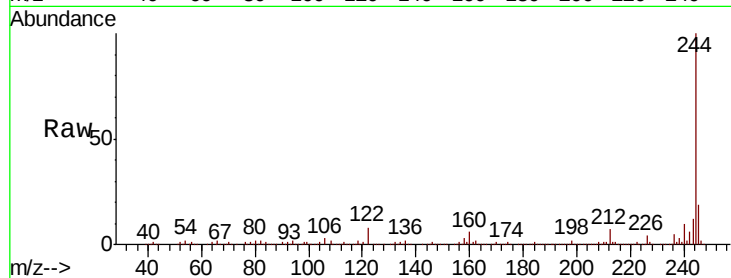




#78
 Terphenyl-d14
 Concen: 52.532 ng
 RT: 13.12 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

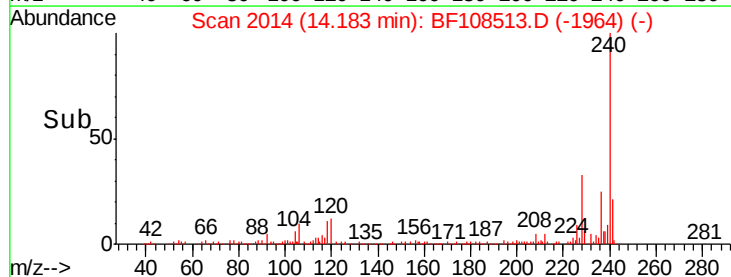
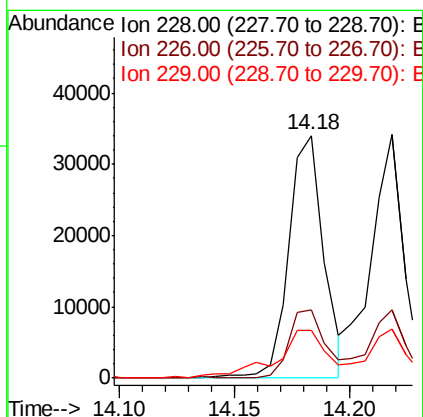
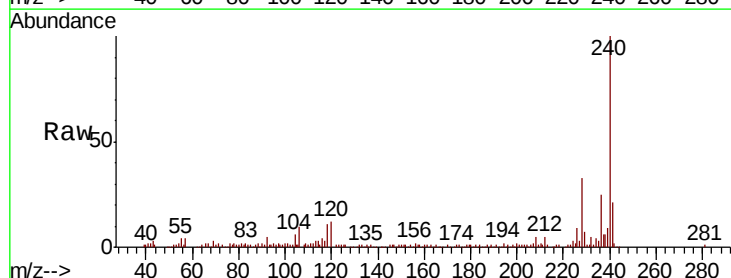
Instrument :
 BNA_F
 ClientSampleId :

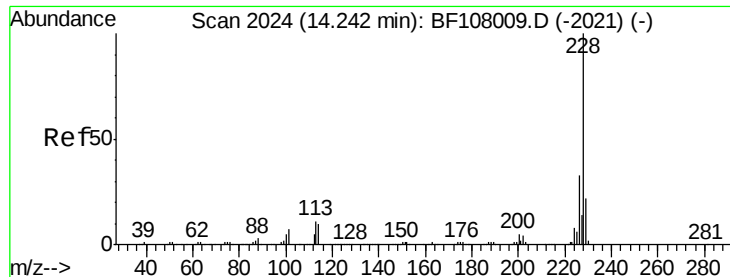
Tot Ion:244 Resp: 576191
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 8.4 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.229 ng
 RT: 14.18 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF108513.D
 Acq: 27 Aug 2018 16:28

Tgt Ion:228 Resp: 35669
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 19.7 15.8 23.6

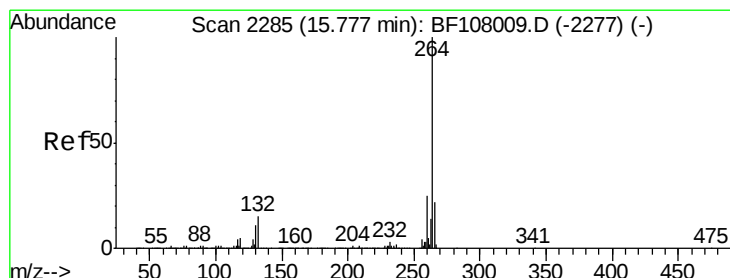
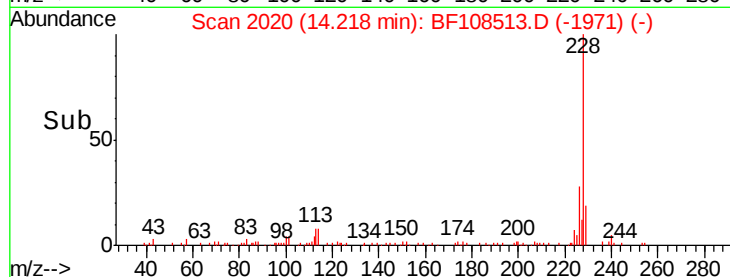
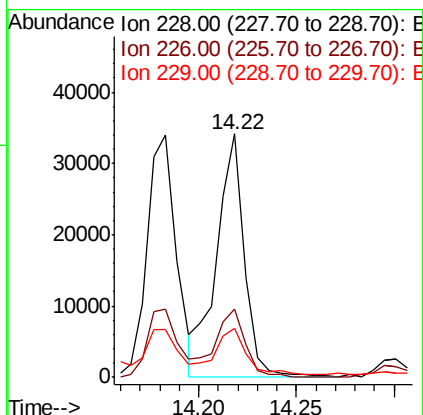
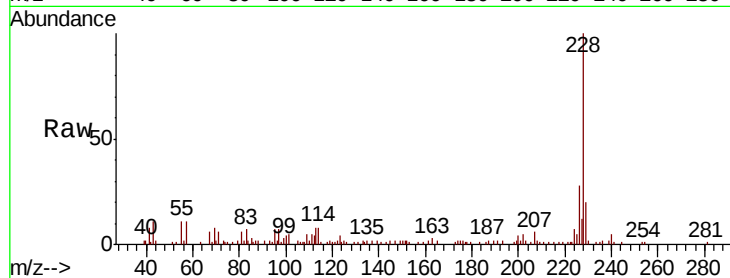




#82
Chrysene
Concen: 2.324 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

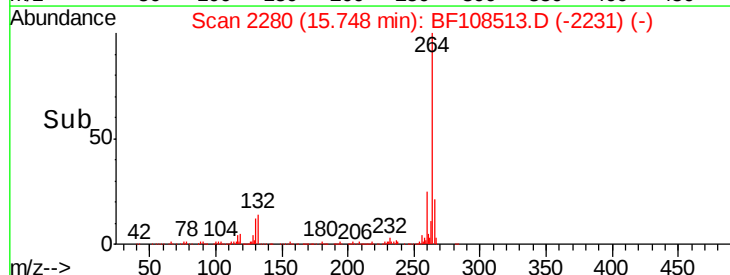
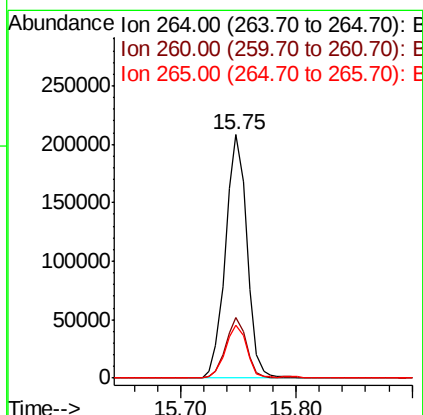
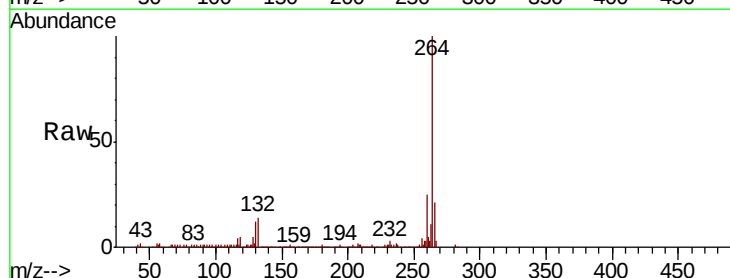
Instrument :
BNA_F
ClientSampleId :

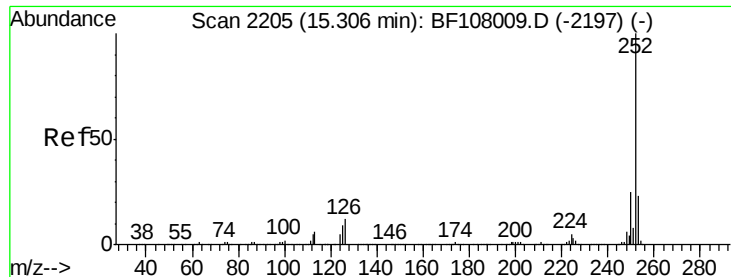
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	25.0	37.6
229	19.9	16.2	24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.5	17.5	26.3

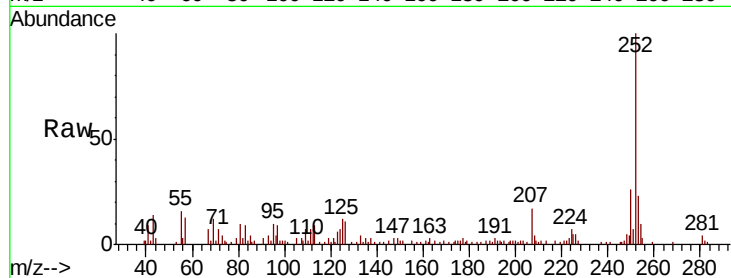




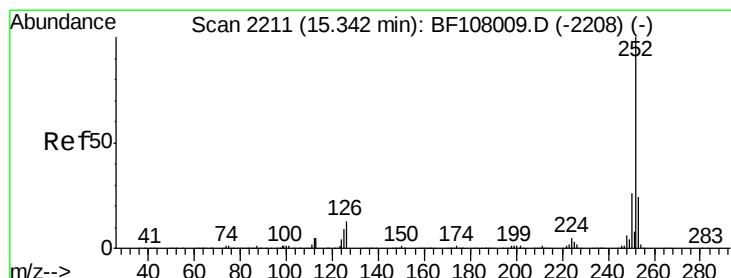
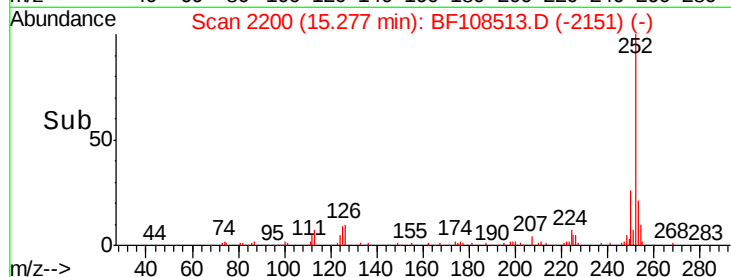
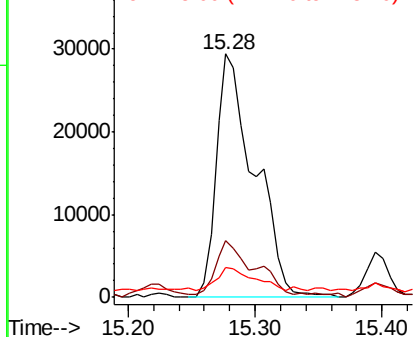
#87
Benzo(b)fluoranthene
Concen: 3.845 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.3	9.0	13.6

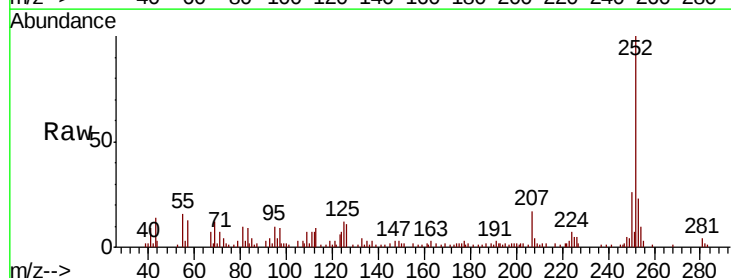


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

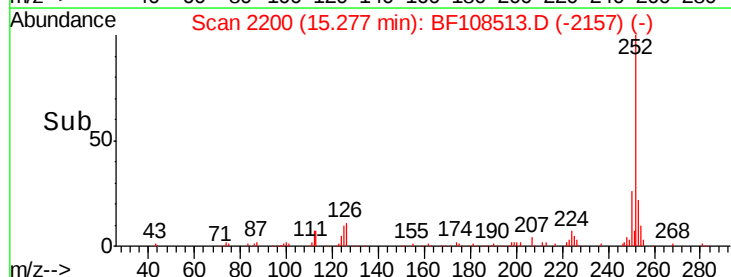
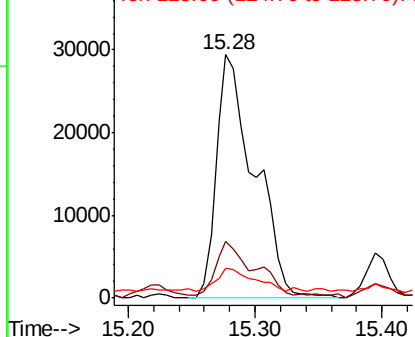


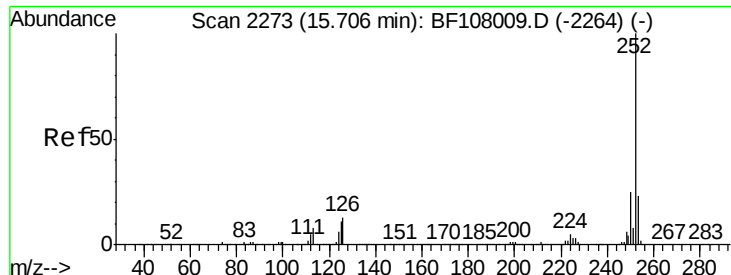
#88
Benzo(k)fluoranthene
Concen: 4.183 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108513.D
Acq: 27 Aug 2018 16:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.3	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: 2.212 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108513.D

Acq: 27 Aug 2018 16:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 31844

Ion Ratio Lower Upper

252 100

253 24.9 17.1 25.7

125 13.8 9.8 14.6

