

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082218\
 Data File : BF108417.D
 Acq On : 23 Aug 2018 8:29
 Operator : JU/SJ
 Sample : J4555-03
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 09:02:38 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	176445	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	653527	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	297347	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	477945	20.00	ng	0.00
75) Chrysene-d12	14.19	240	334796	20.00	ng	-0.01
86) Perylene-d12	15.75	264	277658	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.63	112	938299	96.28	ng	0.00
7) Phenol-d6	6.62	99	1252427	96.71	ng	0.00
23) Nitrobenzene-d5	7.57	82	810630	69.22	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	251994	84.96	ng	-0.01
44) 2-Fluorobiphenyl	9.36	172	1306587	70.55	ng	0.00
78) Terphenyl-d14	13.12	244	923755	70.15	ng	0.00

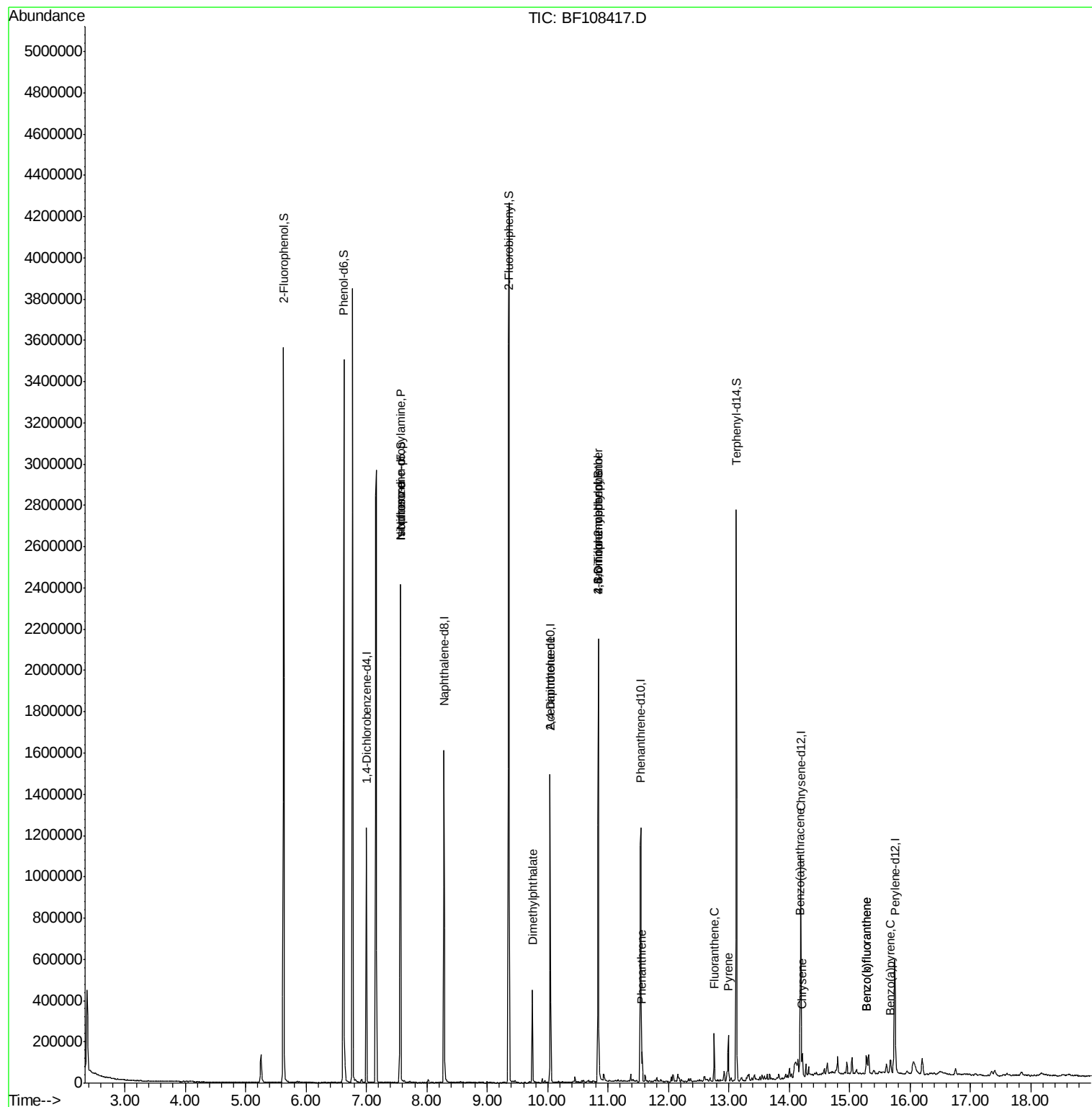
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	109703	12.526	ng	# 80
25) Isophorone	7.57	82	808423	36.215	ng	# 64
49) Dimethylphthalate	9.75	163	178408	8.613	ng	98
56) 2,4-Dinitrotoluene	10.04	165	37938	6.801	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.84	198	529	5.620	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	16737	3.222	ng	# 1
70) Phenanthrene	11.56	178	55313	2.454	ng	97
74) Fluoranthene	12.76	202	95962	3.900	ng	92
77) Pyrene	12.99	202	86368	4.075	ng	99
80) Benzo(a)anthracene	14.18	228	48355	2.517	ng	98
82) Chrysene	14.22	228	43493	2.469	ng	98
87) Benzo(b)fluoranthene	15.28	252	68283	4.116	ng	96
88) Benzo(k)fluoranthene	15.28	252	68283	4.477	ng	96
89) Benzo(a)pyrene	15.68	252	34104	2.295	ng	95

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

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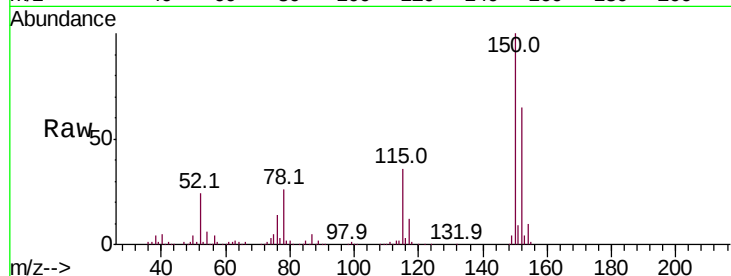


#1

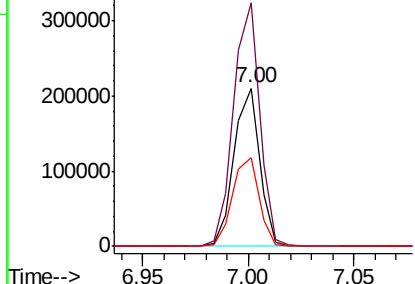
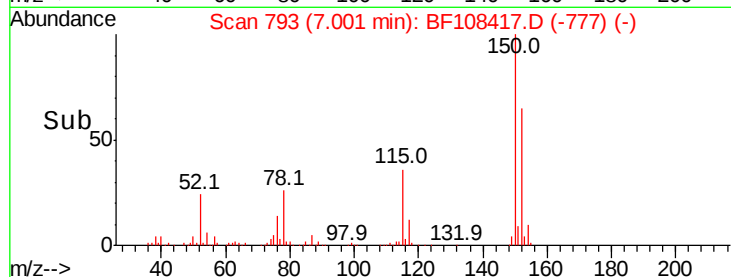
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176445
Ion Ratio Lower Upper
152 100
150 153.6 124.6 186.8
115 55.8 50.1 75.1



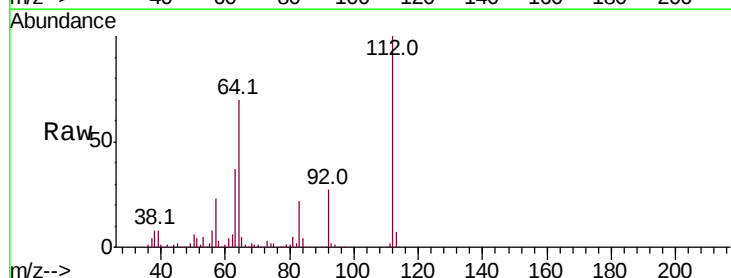
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



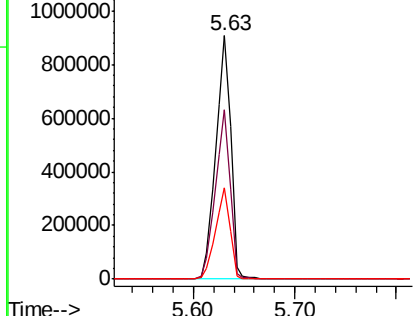
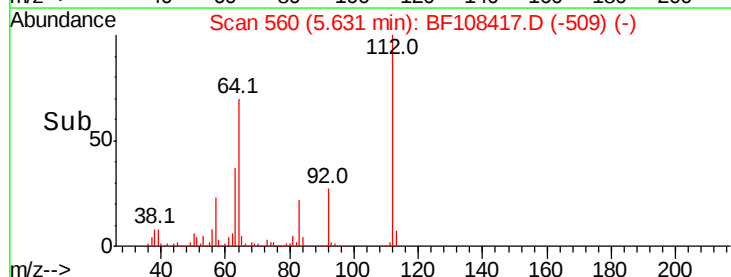
#5

2-Fluorophenol
Concen: 96.276 ng
RT: 5.63 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Tgt Ion:112 Resp: 938299
Ion Ratio Lower Upper
112 100
64 69.8 47.9 71.9
63 37.3 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: 96.705 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108417.D

Acq: 23 Aug 2018 8:29

Instrument :

BNA_F

ClientSampled :

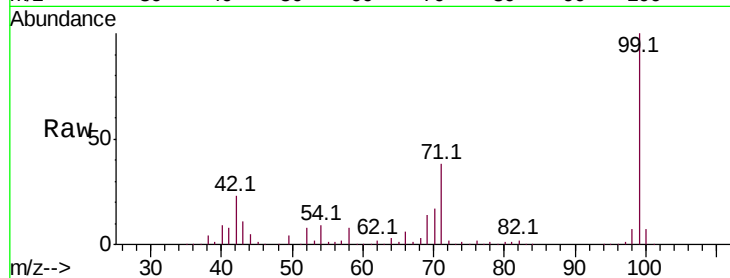
Tot Ion: 99 Resp: 1252427

Ion Ratio Lower Upper

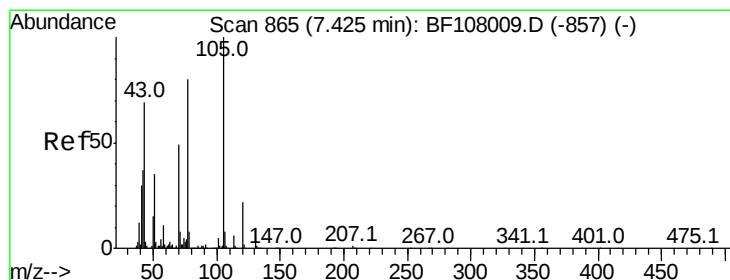
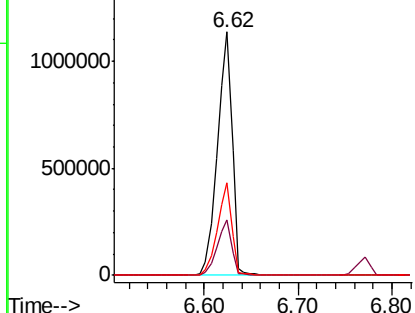
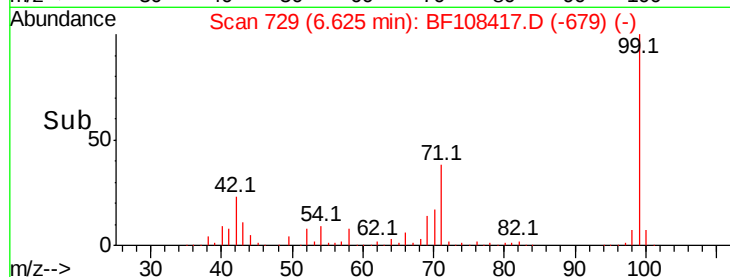
99 100

42 22.6 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: 12.526 ng

RT: 7.57 min Scan# 889

Delta R.T. 0.15 min

Lab File: BF108417.D

Acq: 23 Aug 2018 8:29

Tgt Ion: 70 Resp: 109703

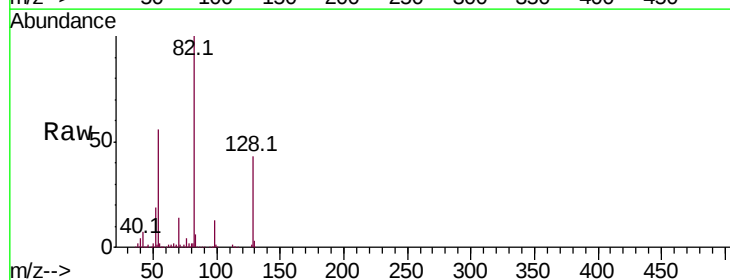
Ion Ratio Lower Upper

70 100

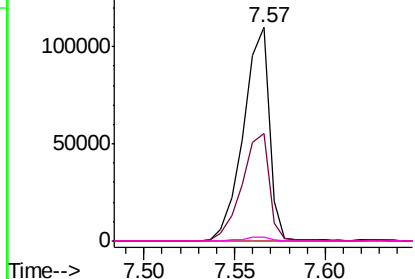
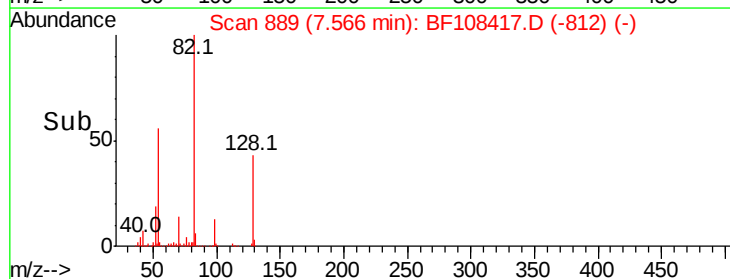
42 50.6 47.5 71.3

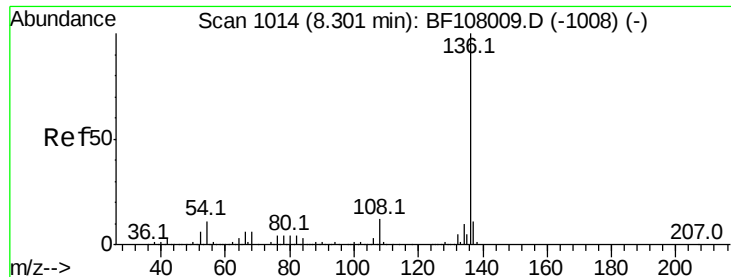
101 0.0 7.4 11.2#

130 1.8 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

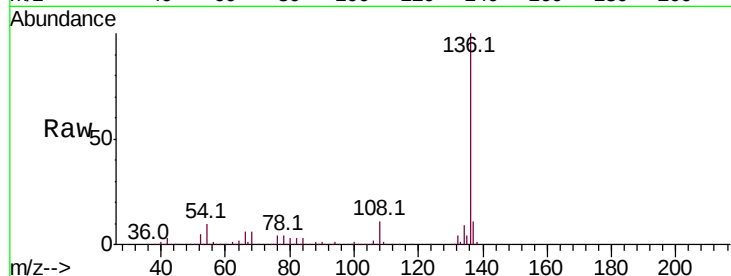




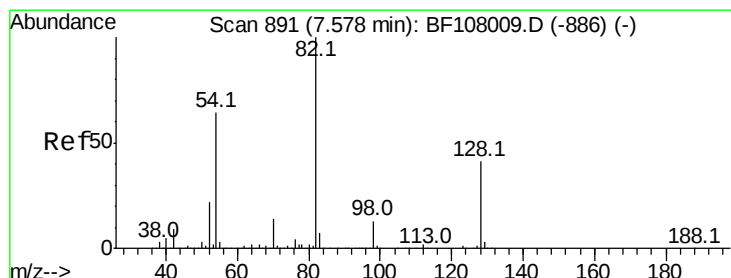
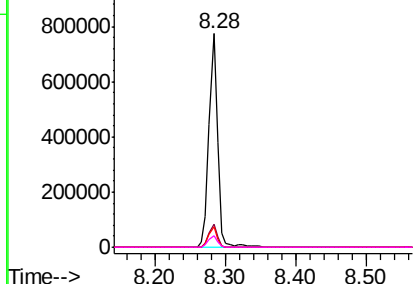
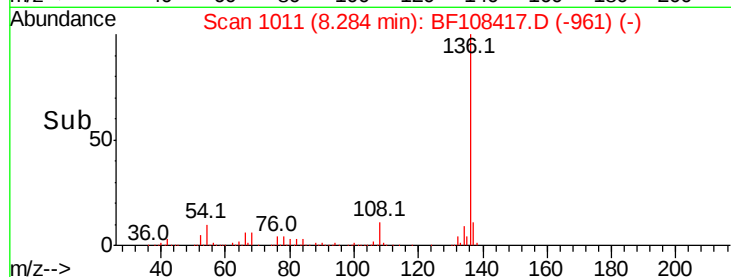
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp: 653527
Ion Ratio	Lower Upper
136 100	
137 11.0	8.9 13.3
54 9.8	6.6 9.8
68 5.6	5.0 7.4

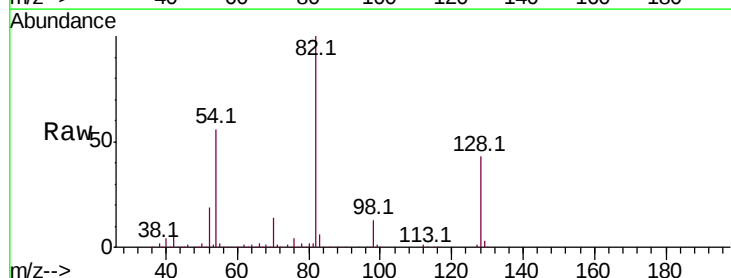


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
Ion 68.00 (67.70 to 68.70): BF1
600000
400000
200000
0

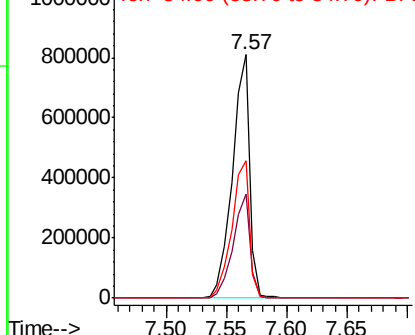
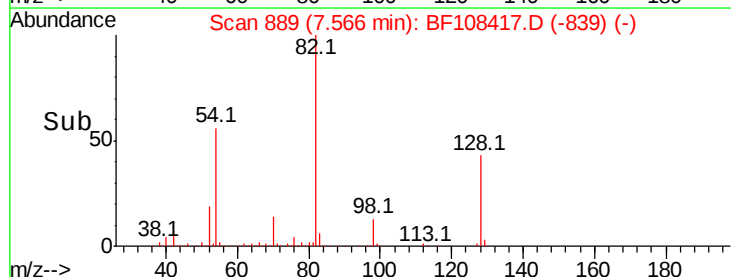


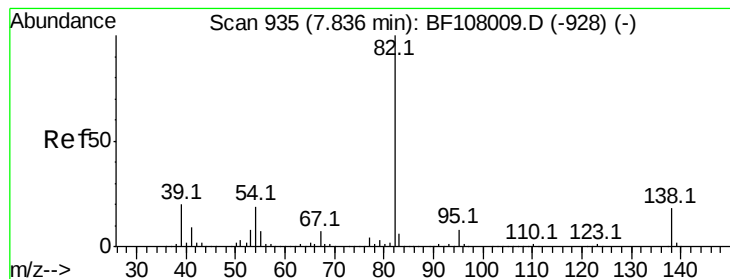
#23
Nitrobenzene-d5
Concen: 69.216 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Tgt Ion	82	Resp: 810630	
	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	56.2	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000
Ion 128.00 (127.70 to 128.70): E
800000
Ion 54.00 (53.70 to 54.70): BF1
600000
400000
200000
0





#25

Isophorone

Concen: 36.215 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF108417.D

Acq: 23 Aug 2018 8:29

Instrument :

BNA_F

ClientSampled :

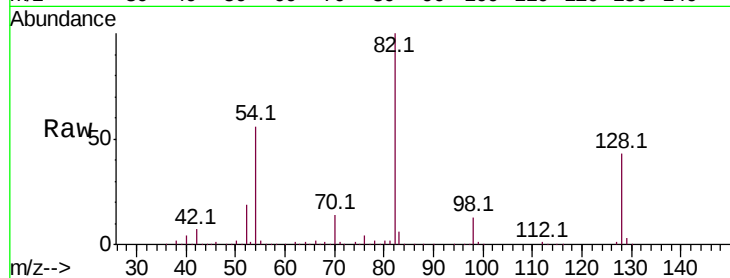
Tot Ion: 82 Resp: 808423

Ion Ratio Lower Upper

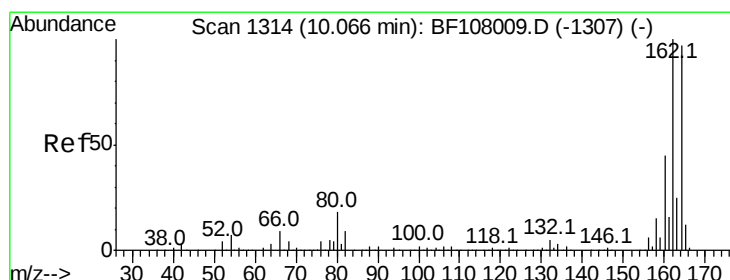
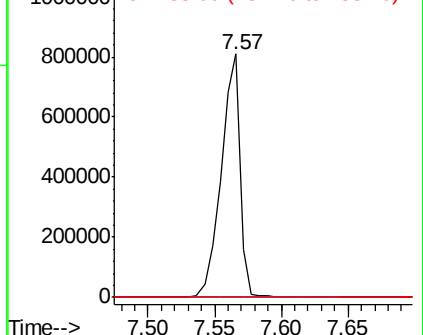
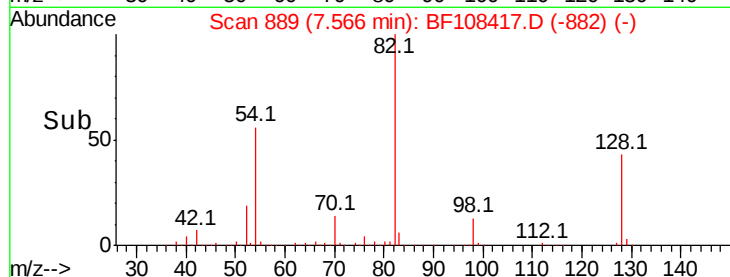
82 100

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: BF108417.D

Acq: 23 Aug 2018 8:29

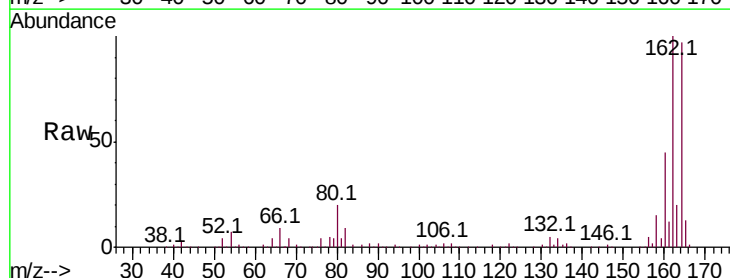
Tgt Ion: 164 Resp: 297347

Ion Ratio Lower Upper

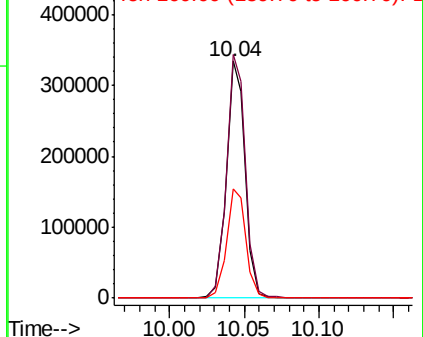
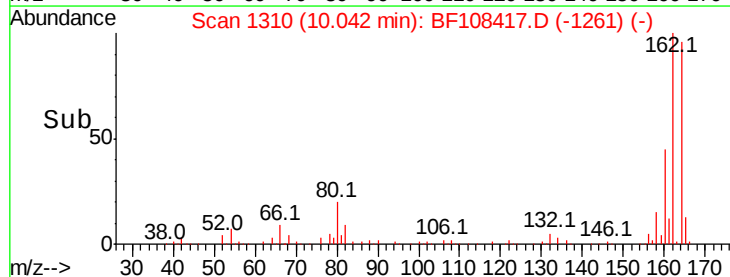
164 100

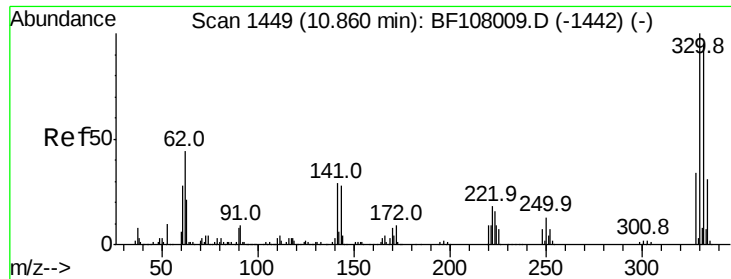
162 102.7 86.1 129.1

160 46.1 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

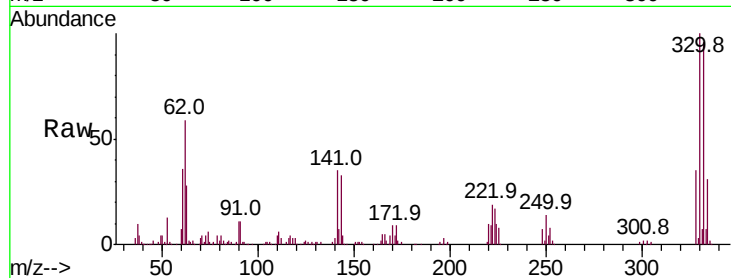




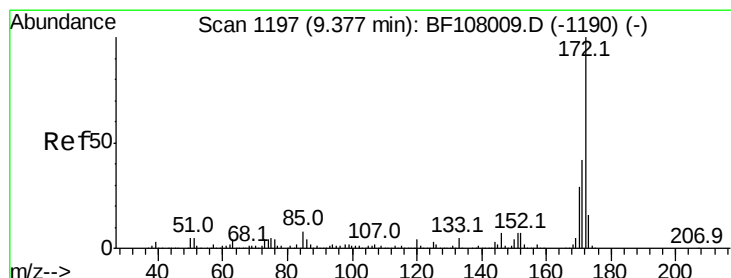
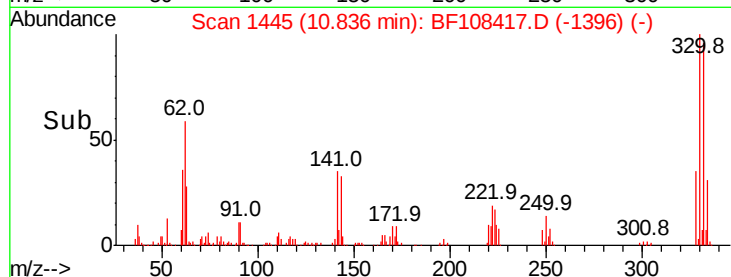
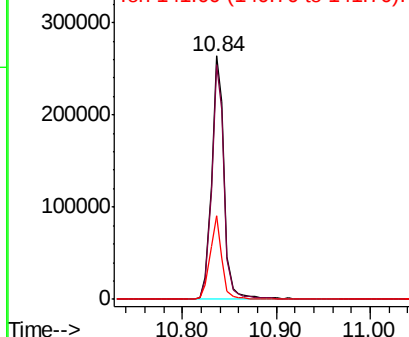
#41
 2,4,6-Tribromophenol
 Concen: 84.962 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108417.D
 Acq: 23 Aug 2018 8:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	32.2	29.9	44.9

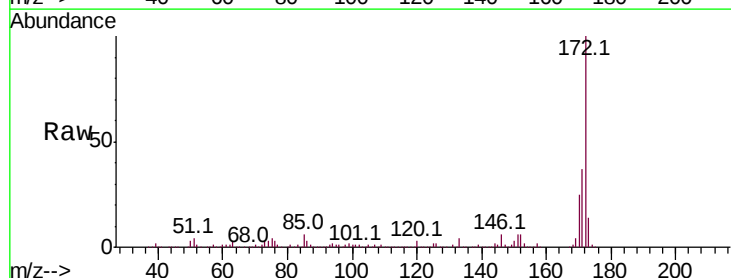


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

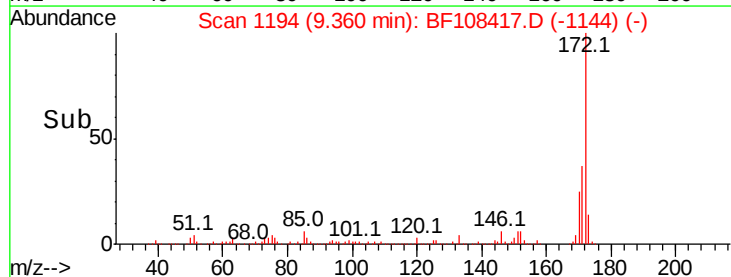
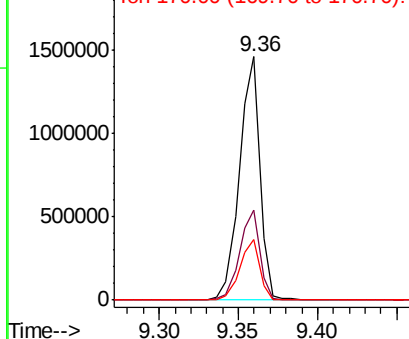


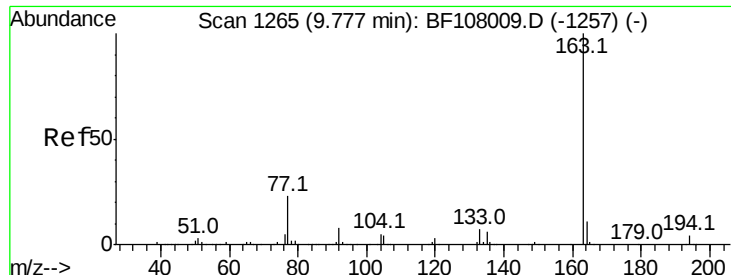
#44
 2-Fluorobiphenyl
 Concen: 70.547 ng
 RT: 9.36 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF108417.D
 Acq: 23 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.7	44.5
170	25.1	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

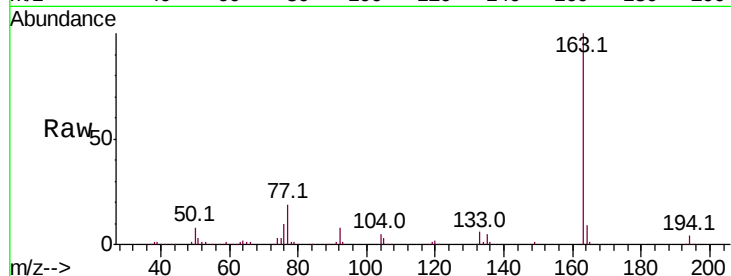




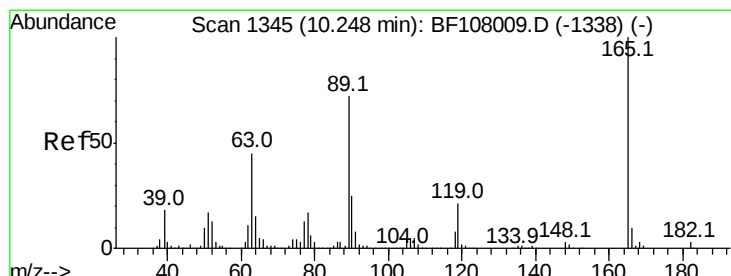
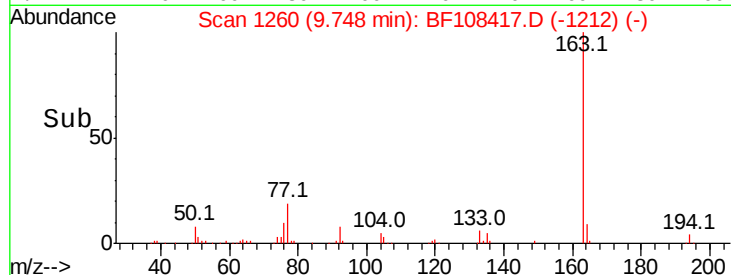
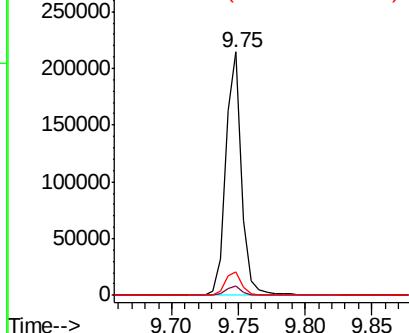
#49
Dimethylphthalate
Concen: 8.613 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	9.5	8.2	12.2



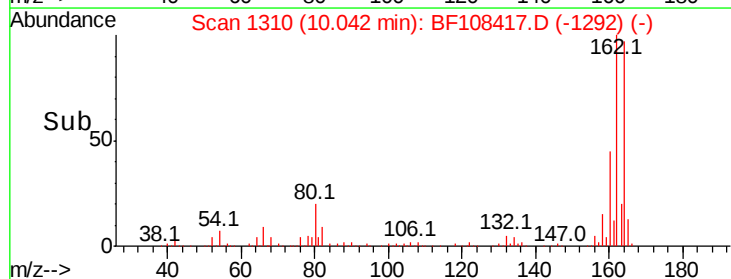
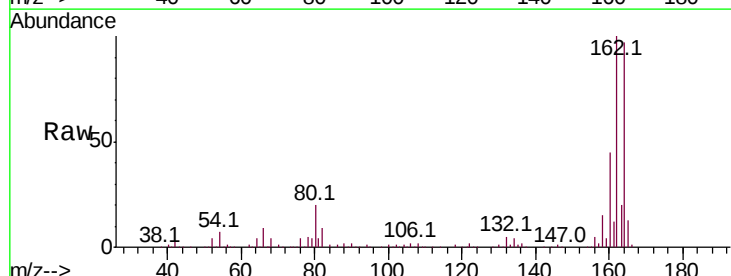
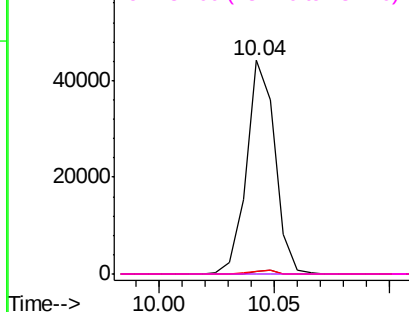
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

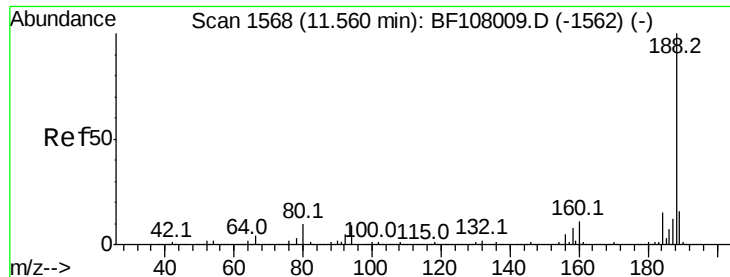


#56
2,4-Dinitrotoluene
Concen: 6.801 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.19 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

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

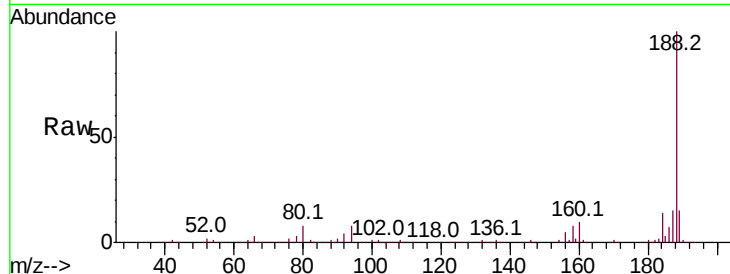




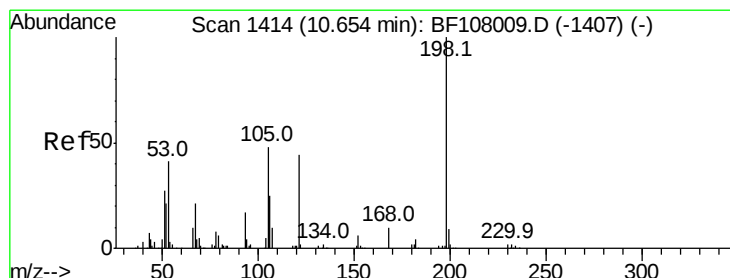
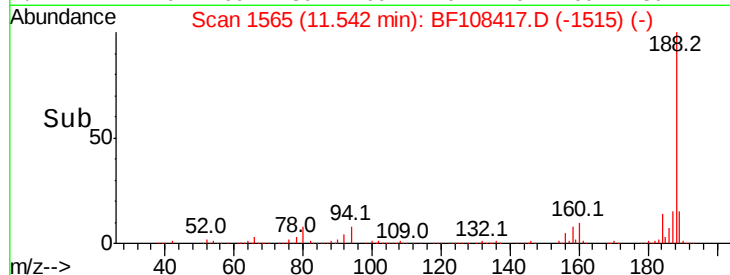
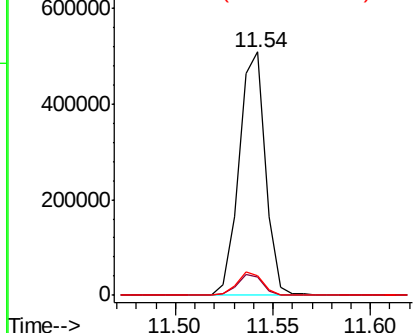
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108417.D
 Acq: 23 Aug 2018 8:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 477945
 Ion Ratio Lower Upper
 188 100
 94 7.7 8.5 12.7#
 80 8.3 9.2 13.8#

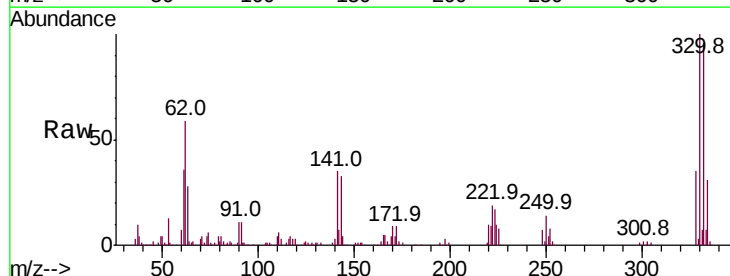


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

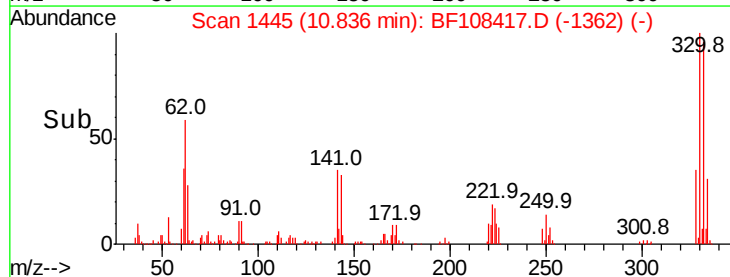
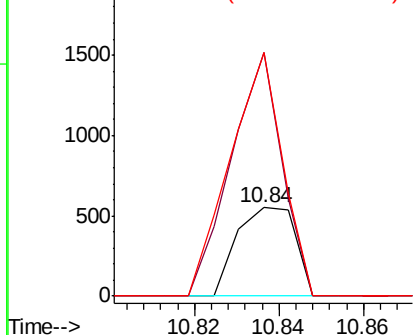


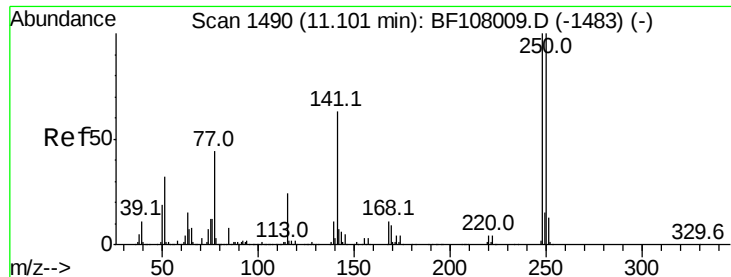
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.620 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.19 min
 Lab File: BF108417.D
 Acq: 23 Aug 2018 8:29

Tgt Ion:198 Resp: 529
 Ion Ratio Lower Upper
 198 100
 51 275.6 37.7 77.7#
 105 275.6 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

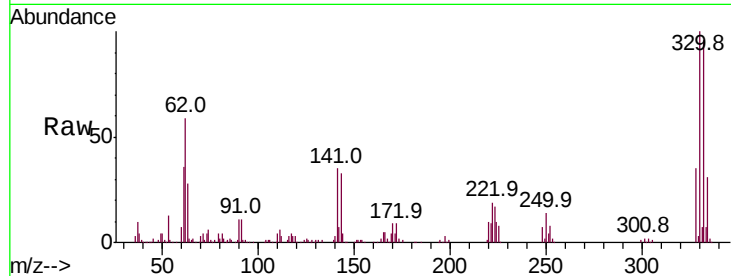




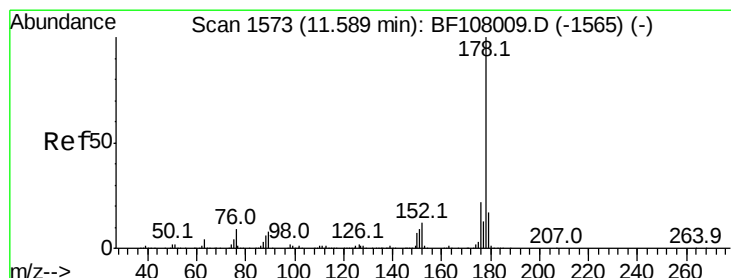
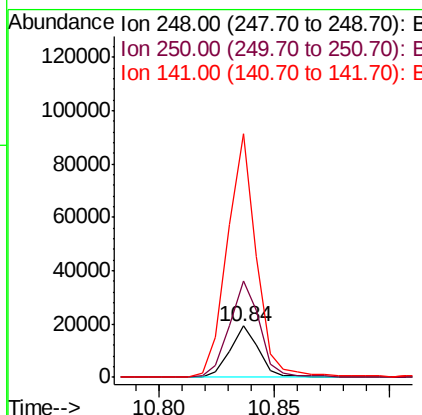
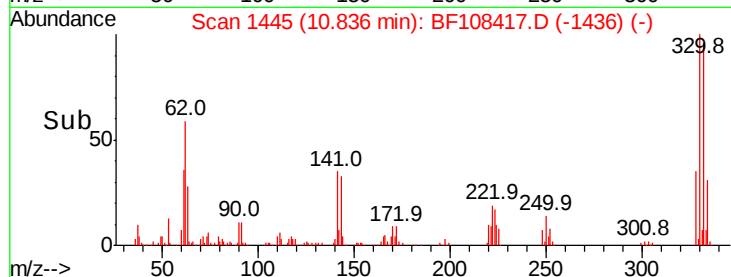
#66
 4-Bromophenyl-phenylether
 Concen: 3.222 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF108417.D
 Acq: 23 Aug 2018 8:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 16737
 Ion Ratio Lower Upper
 248 100
 250 187.3 76.9 115.3#
 141 474.9 74.4 111.6#

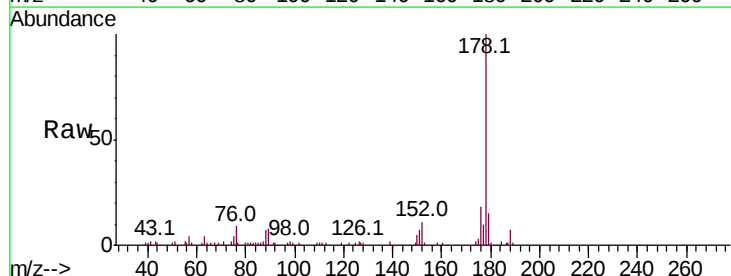


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

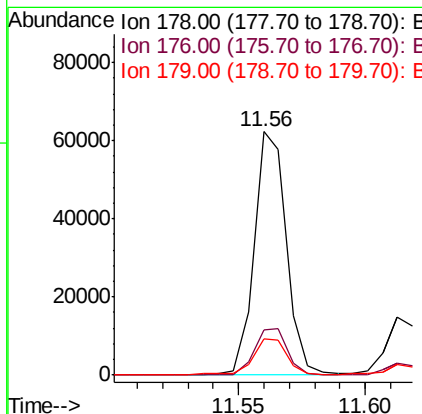
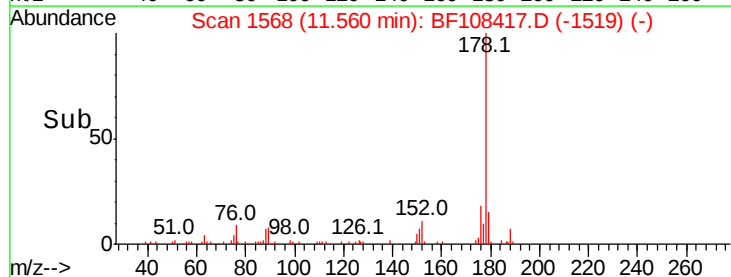


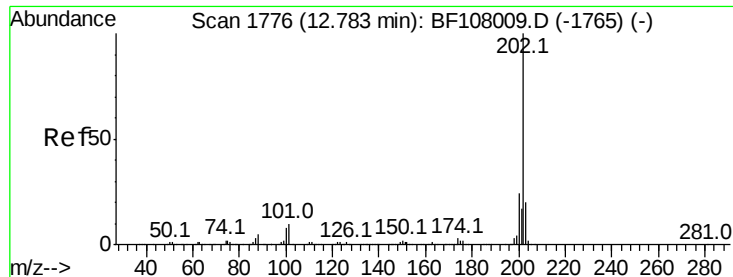
#70
 Phenanthrene
 Concen: 2.454 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF108417.D
 Acq: 23 Aug 2018 8:29

Tgt Ion:178 Resp: 55313
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.0 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: 3.900 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108417.D

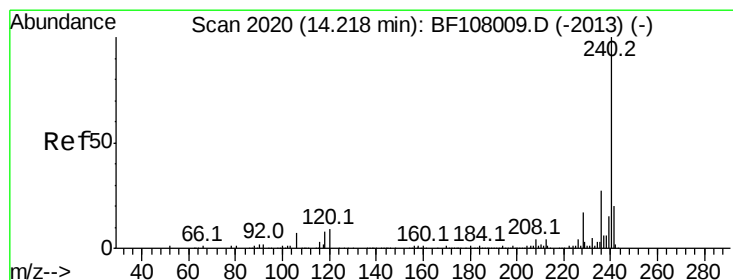
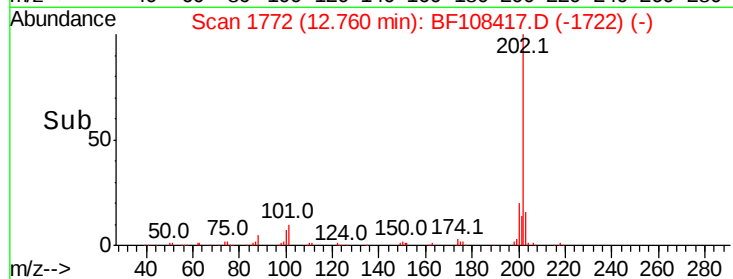
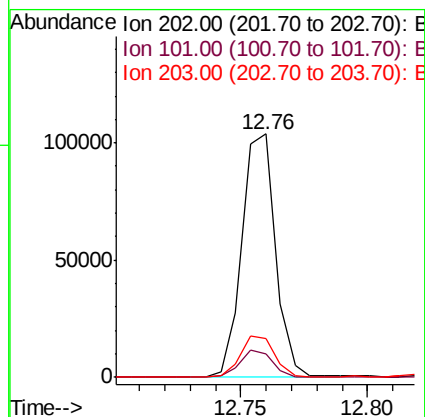
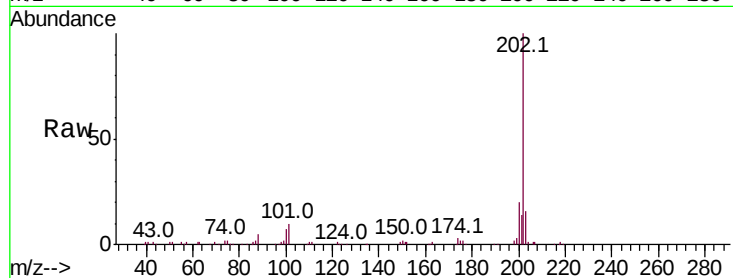
Acq: 23 Aug 2018 8:29

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	95962
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	34.1
203	15.9	0.0	38.1



#75

Chrysene-d12

Concen: 20.000 ng

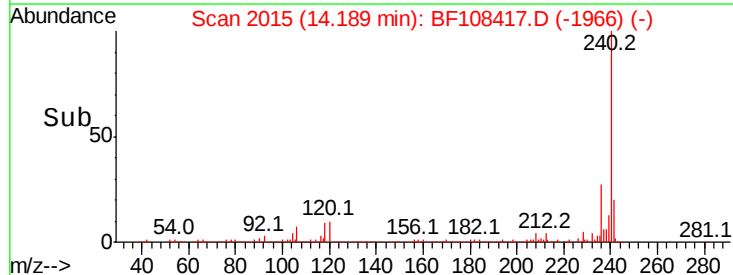
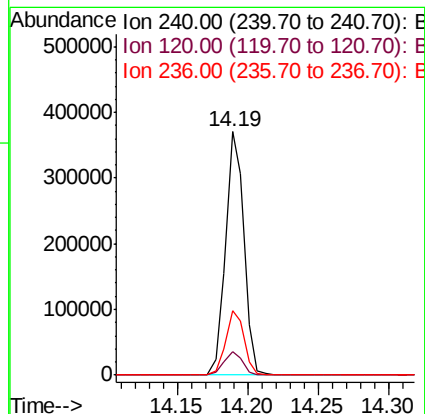
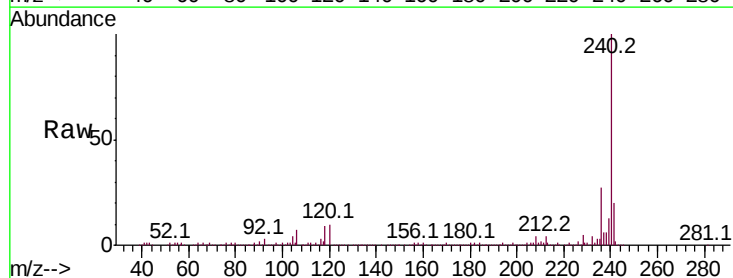
RT: 14.19 min Scan# 2015

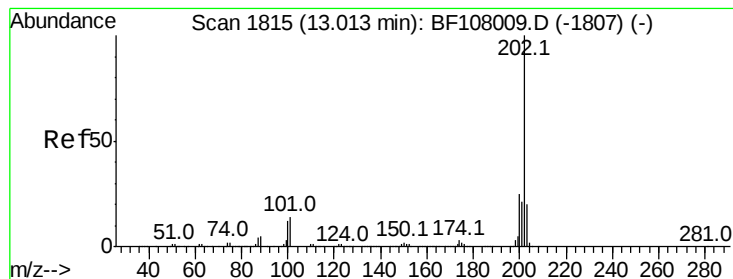
Delta R.T. -0.01 min

Lab File: BF108417.D

Acq: 23 Aug 2018 8:29

Tgt Ion:	240	Resp:	334796
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.5	14.3
236	26.7	20.7	31.1





#77

Pvrene

Concen: 4.075 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108417.D

Acq: 23 Aug 2018 8:29

Instrument :

BNA_F

ClientSampled :

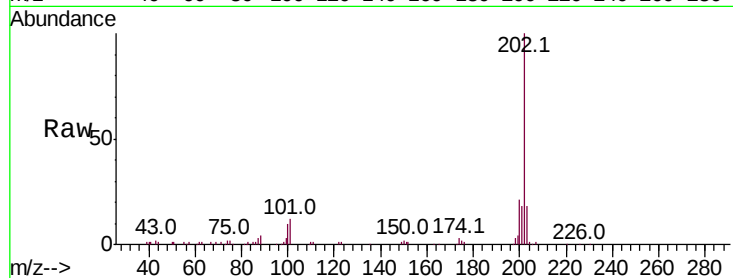
Tot Ion:202 Resp: 86368

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

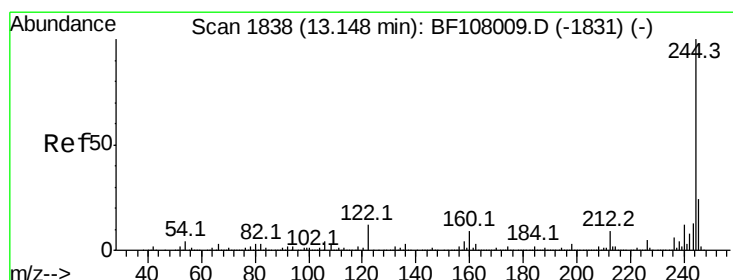
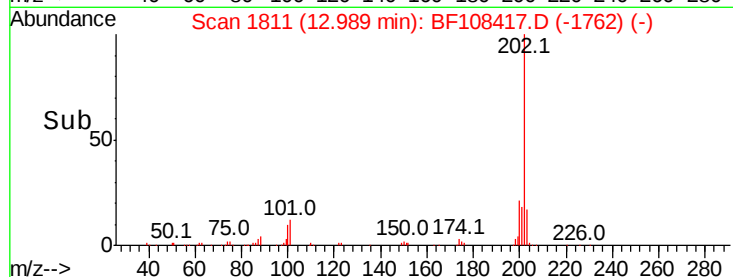
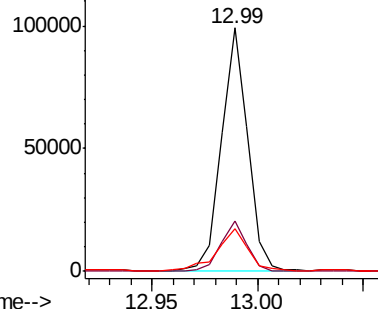
203 17.7 14.3 21.5



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: 70.153 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108417.D

Acq: 23 Aug 2018 8:29

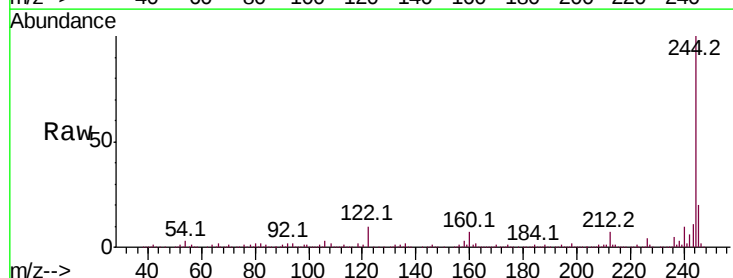
Tgt Ion:244 Resp: 923755

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

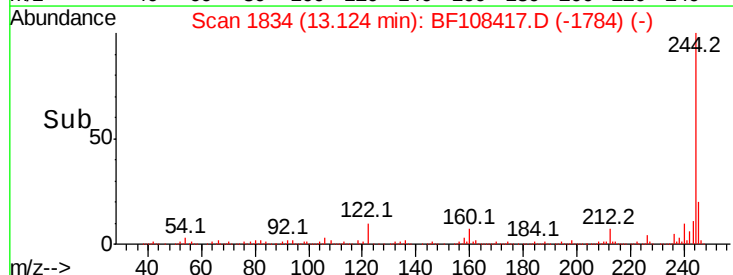
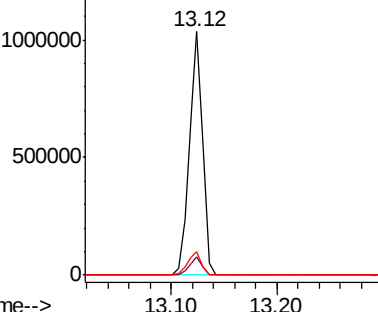
122 9.8 11.0 16.4#

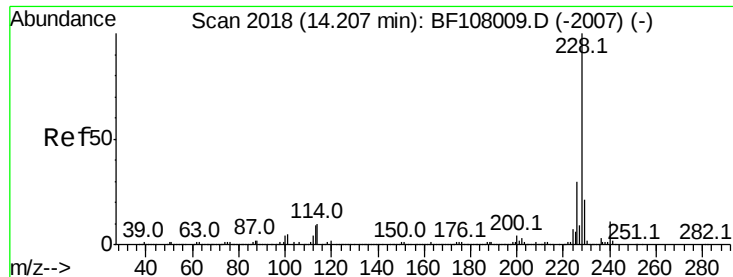


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

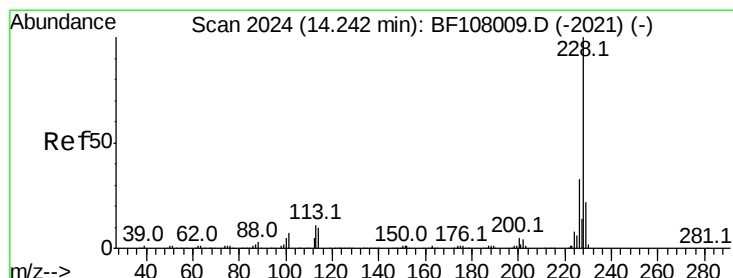
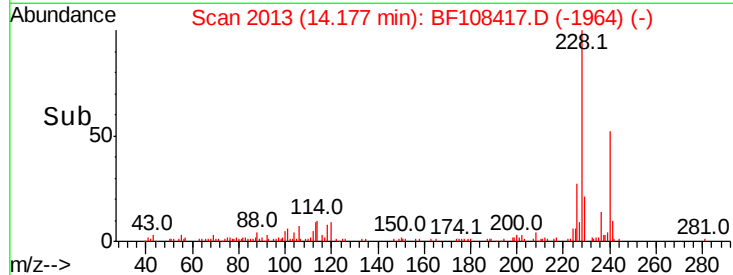
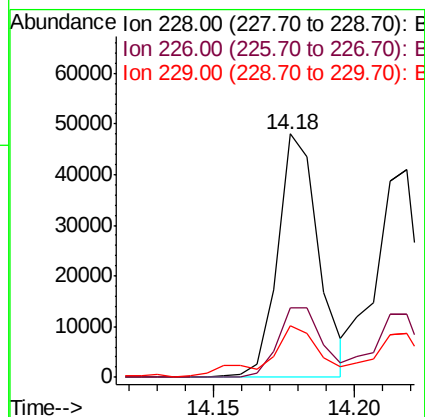
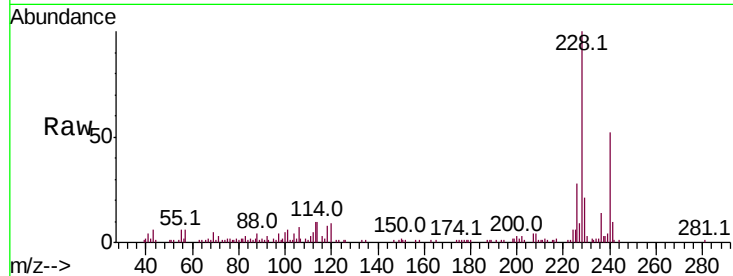




#80
Benzo(a)anthracene
Concen: 2.517 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

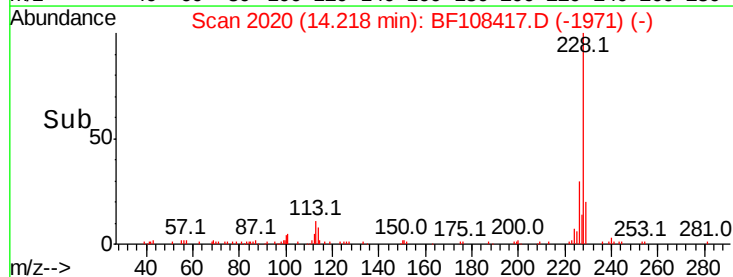
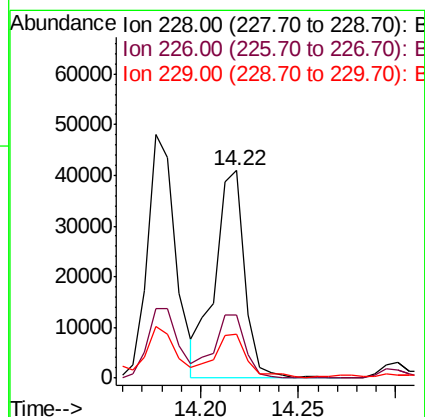
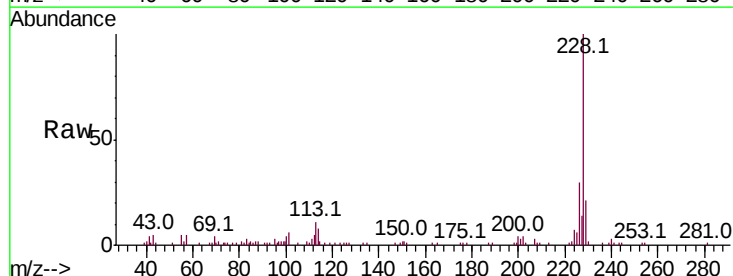
Instrument :
BNA_F
ClientSampleId :

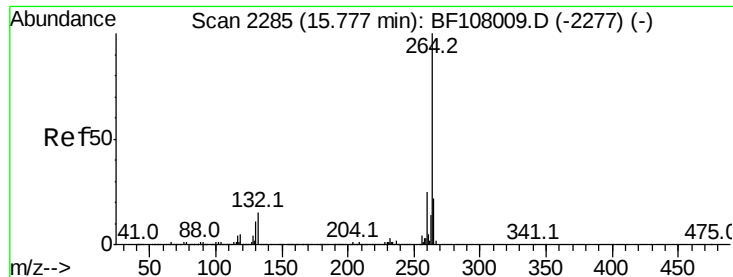
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.4	15.8	23.6



#82
Chrysene
Concen: 2.469 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.4	16.2	24.4

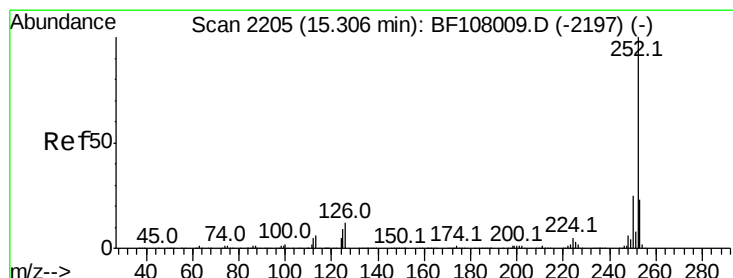
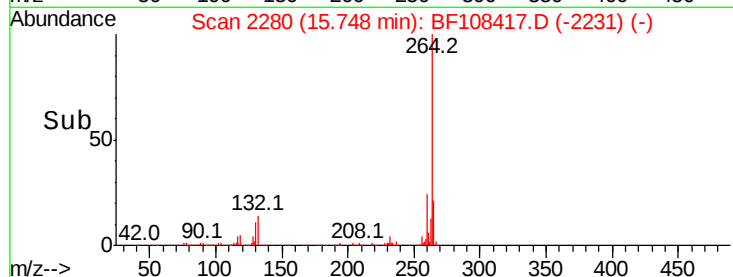
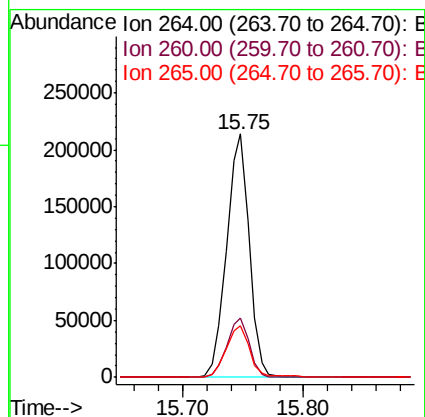
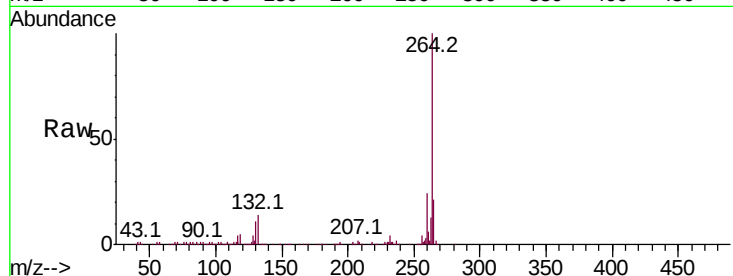




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

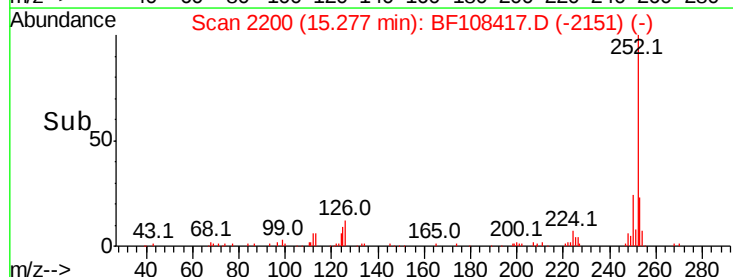
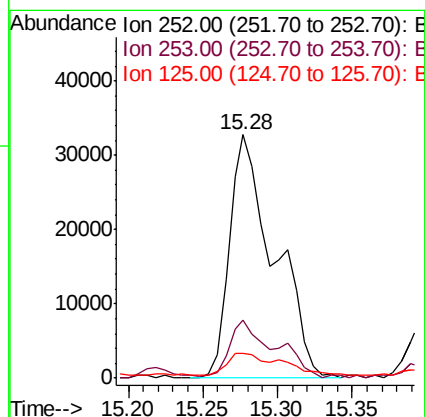
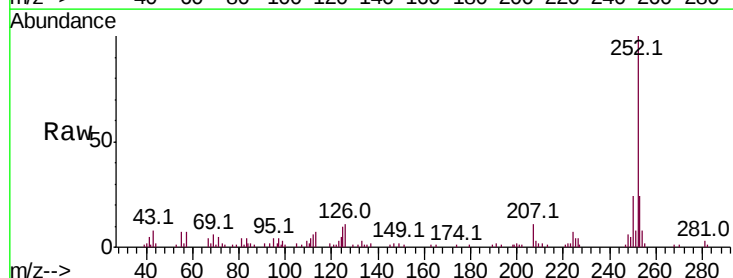
Instrument :
BNA_F
ClientSampled :

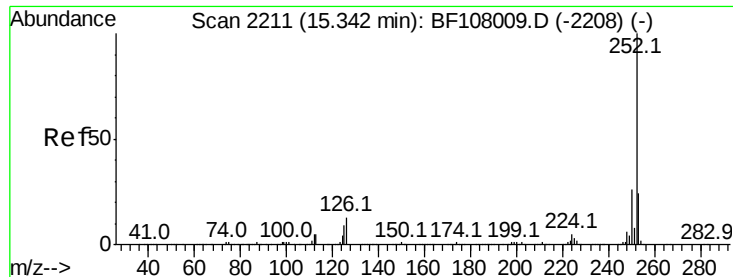
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.116 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	10.4	9.0	13.6

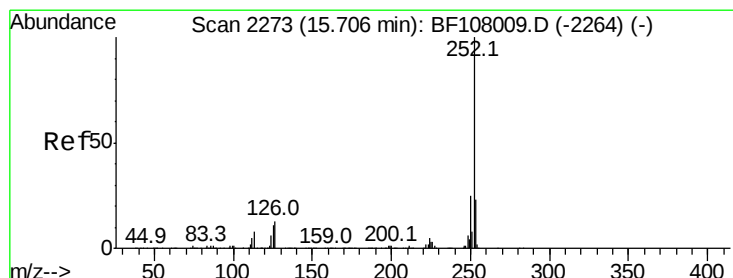
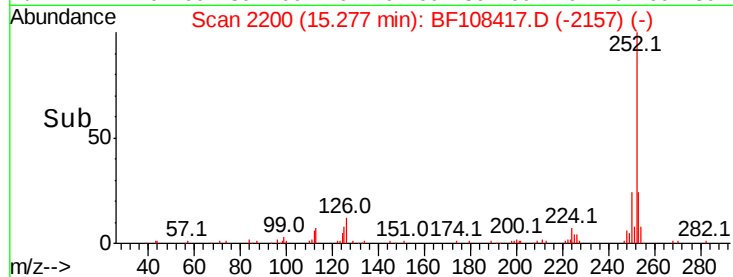
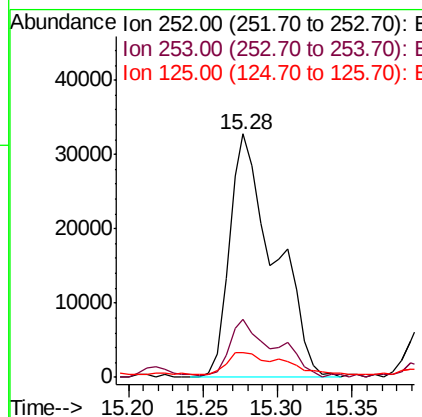
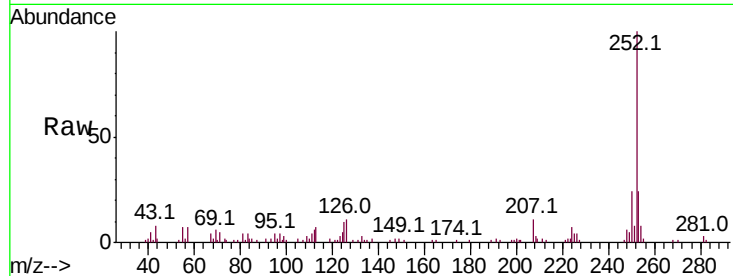




#88
Benzo(k)fluoranthene
Concen: 4.477 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.05 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	10.4	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.295 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108417.D
Acq: 23 Aug 2018 8:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	10.8	9.8	14.6

