

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082718\
 Data File : BF108511.D
 Acq On : 27 Aug 2018 15:35
 Operator : JU/SJ
 Sample : J4646-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 27 16:16:15 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	124519	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	486660	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	238071	20.00	ng	-0.01
63) Phenanthrene-d10	11.54	188	412581	20.00	ng	0.00
75) Chrysene-d12	14.19	240	291872	20.00	ng	0.00
86) Perylene-d12	15.75	264	276223	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	450358	65.48	ng	0.00
7) Phenol-d6	6.62	99	619112	67.74	ng	-0.01
23) Nitrobenzene-d5	7.56	82	411387	47.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.84	330	153893	64.81	ng	-0.01
44) 2-Fluorobiphenyl	9.35	172	778601	52.51	ng	-0.01
78) Terphenyl-d14	13.12	244	588285	51.25	ng	0.00

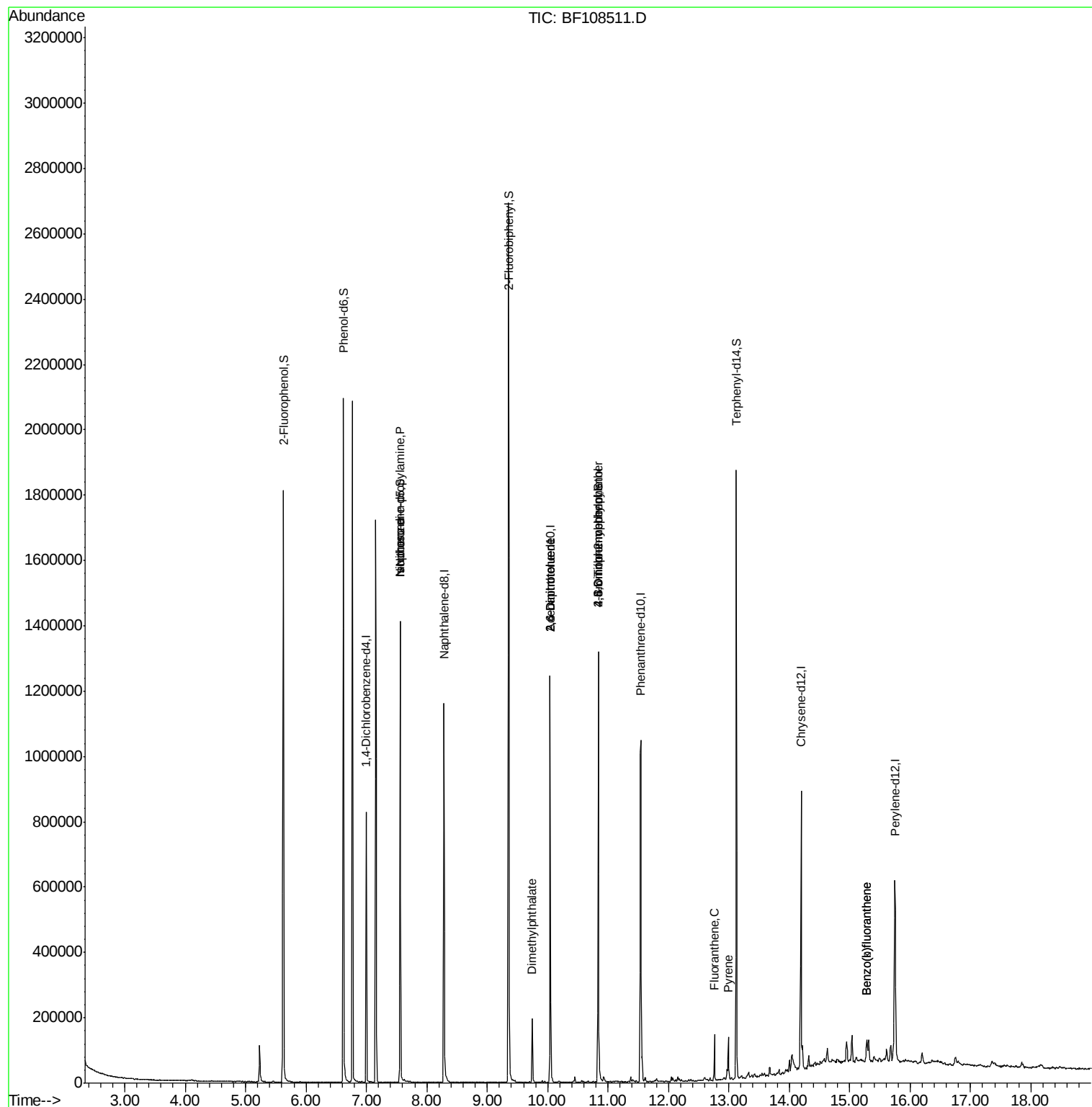
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.56	70	53611	8.674	ng	# 84
25) Isophorone	7.56	82	411384	24.748	ng	# 64
49) Dimethylphthalate	9.75	163	90122	5.434	ng	# 98
50) 2,6-Dinitrotoluene	10.04	165	30070	8.667	ng	# 26
56) 2,4-Dinitrotoluene	10.04	165	30070	6.733	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.84	198	131	5.434	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	9915	2.211	ng	# 1
74) Fluoranthene	12.76	202	54895	2.585	ng	95
77) Pyrene	12.99	202	52538	2.843	ng	99
87) Benzo(b)fluoranthene	15.28	252	50109	3.036	ng	96
88) Benzo(k)fluoranthene	15.28	252	50109	3.303	ng	98

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

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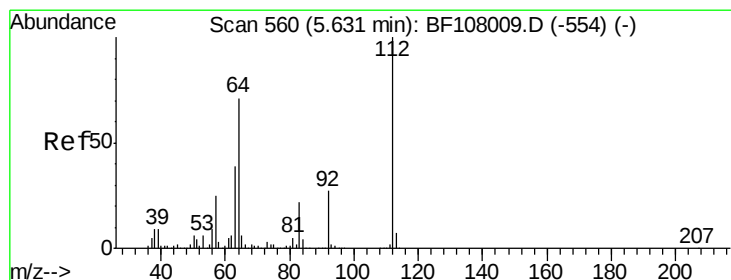
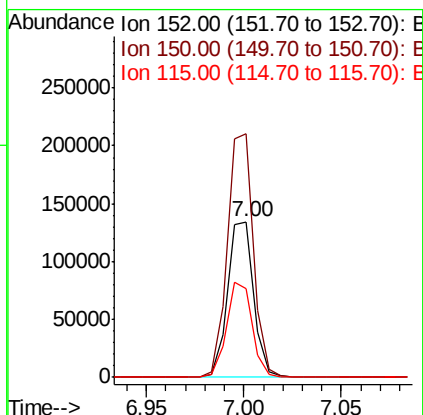
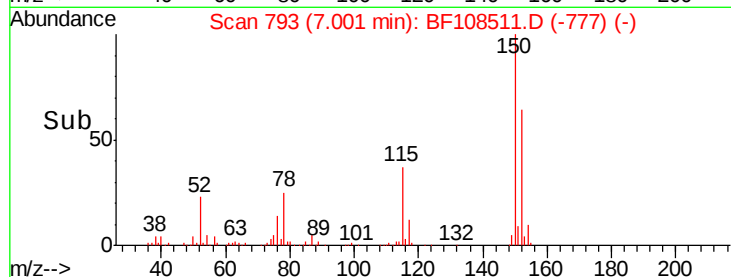
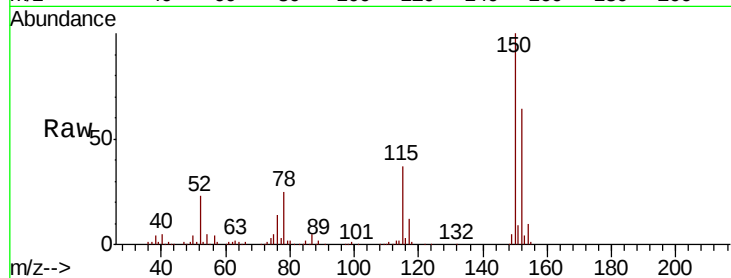


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Instrument :
BNA_F
ClientSampleId :

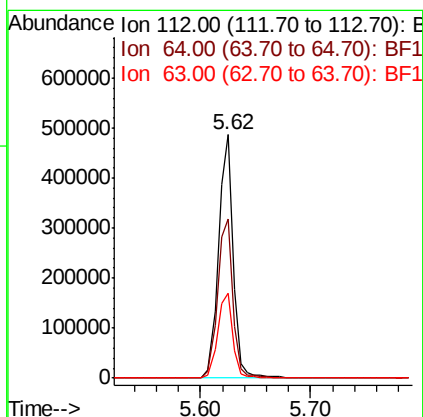
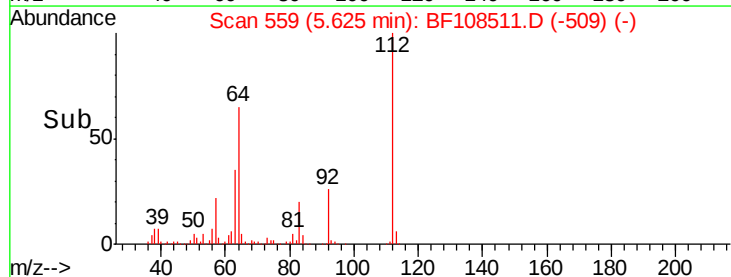
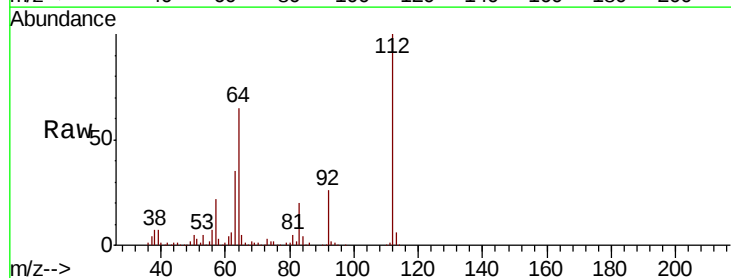
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	57.3	50.1	75.1



#5

2-Fluorophenol
Concen: 65.480 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	34.7	23.7	35.5





#7

Phenol-d6

Concen: 67.739 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

Instrument :

BNA_F

ClientSampleId :

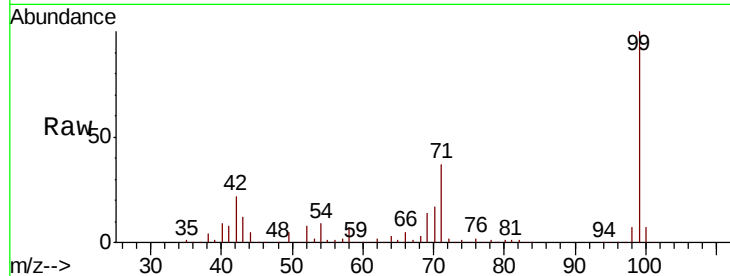
Tot Ion: 99 Resp: 619112

Ion Ratio Lower Upper

99 100

42 22.4 14.5 21.7#

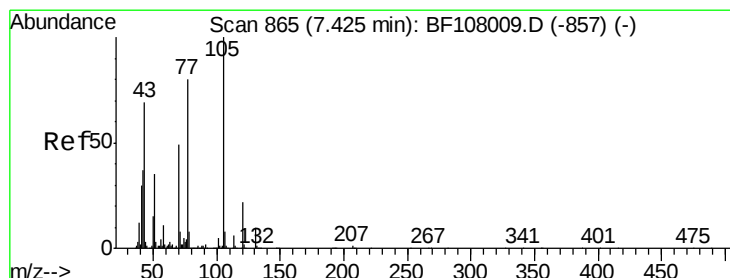
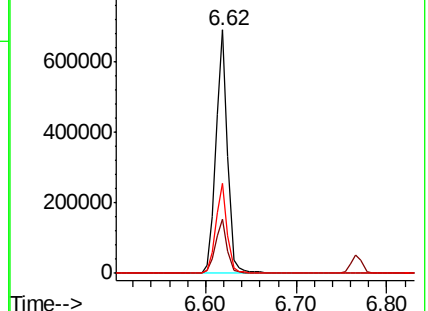
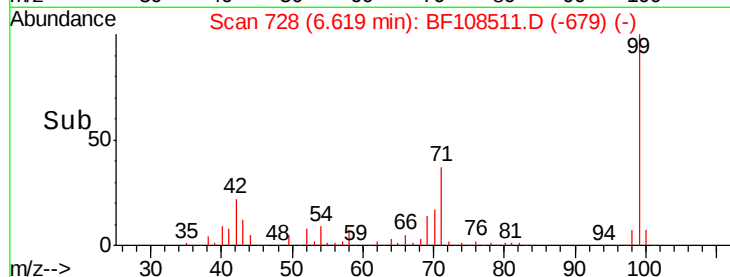
71 37.1 25.4 38.0



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: 8.674 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.15 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

Tgt Ion: 70 Resp: 53611

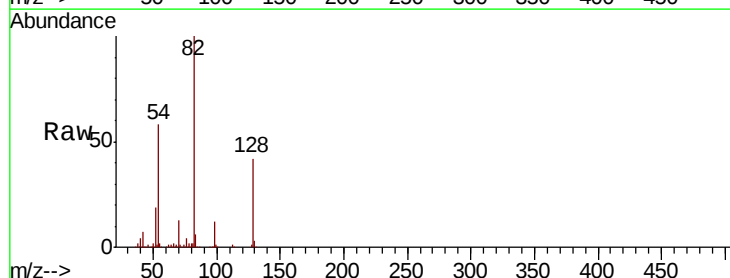
Ion Ratio Lower Upper

70 100

42 54.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

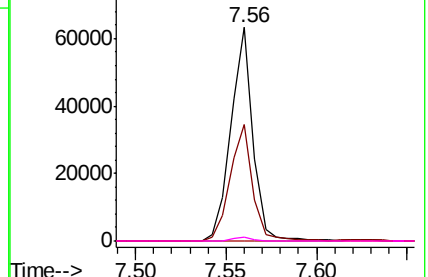
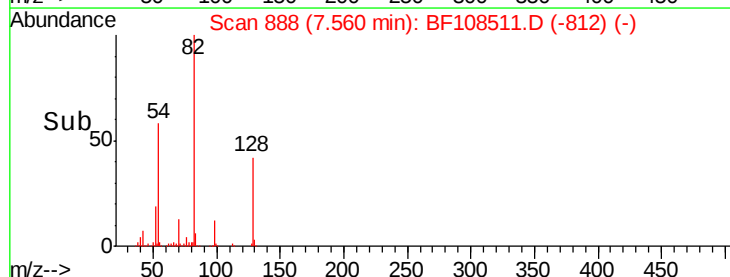


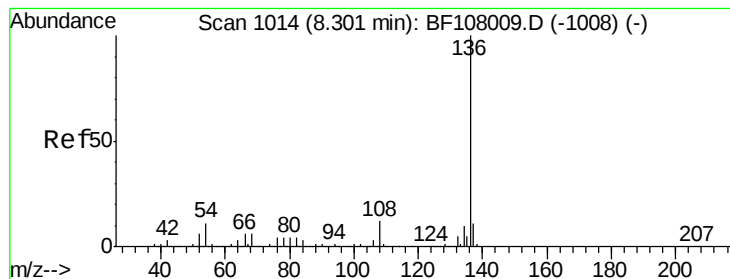
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF108511.D

Acq: 27 Aug 2018 15:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 486660

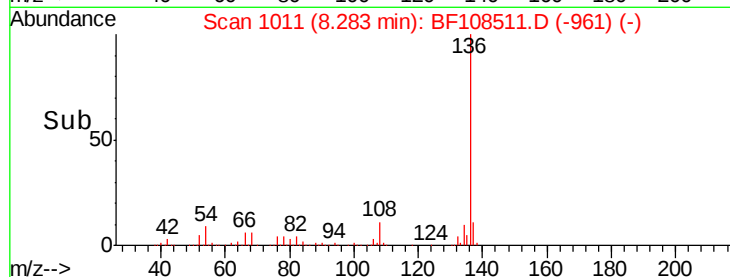
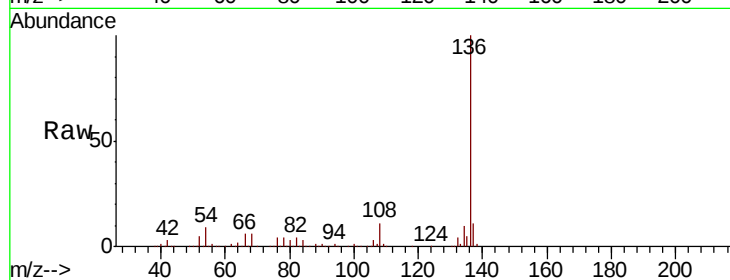
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 9.4 6.6 9.8

68 5.8 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

8.28

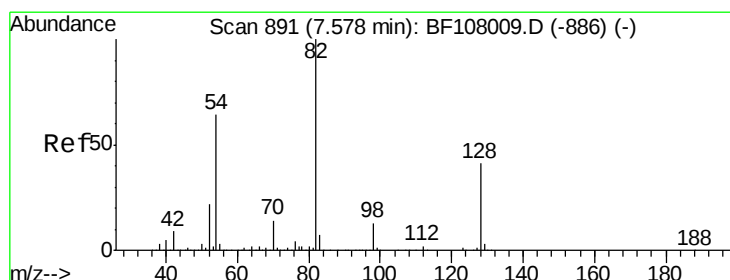
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 47.170 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

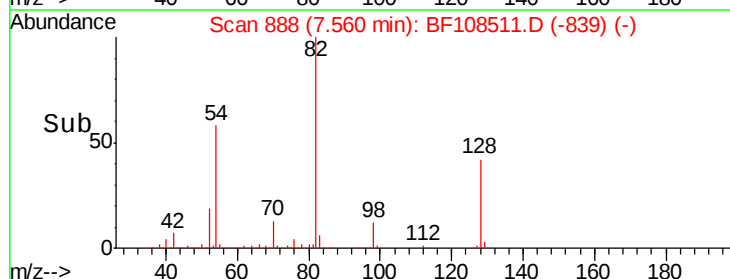
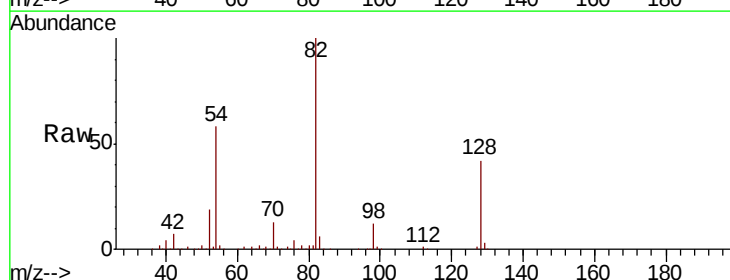
Tgt Ion: 82 Resp: 411387

Ion Ratio Lower Upper

82 100

128 41.8 36.1 54.1

54 57.8 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

7.56

600000

500000

400000

300000

200000

100000

0

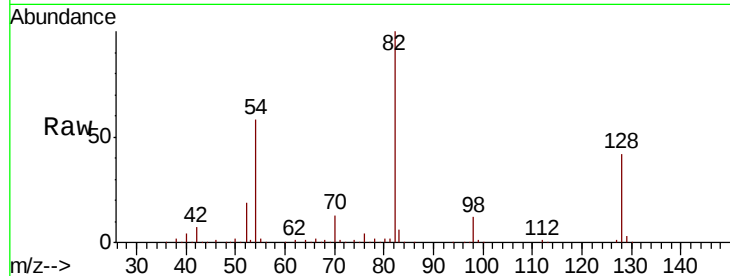
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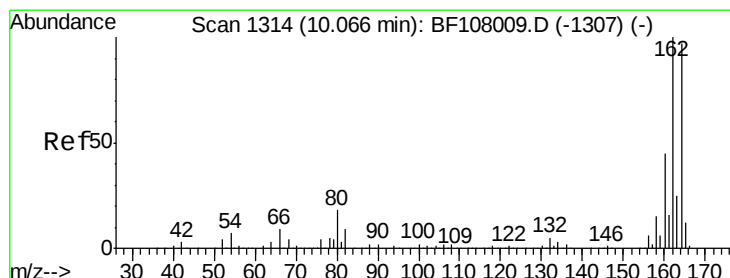
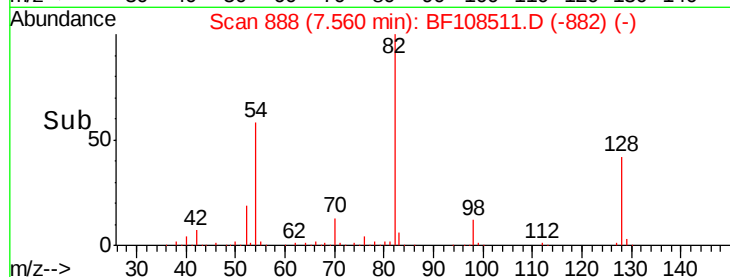
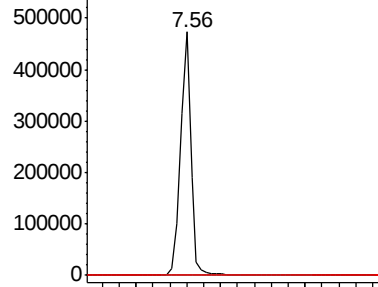
#25
Isophorone
Concen: 24.748 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.26 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Instrument :
BNA_F
ClientSampleID :

Tot Ion: 82 Resp: 411384
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

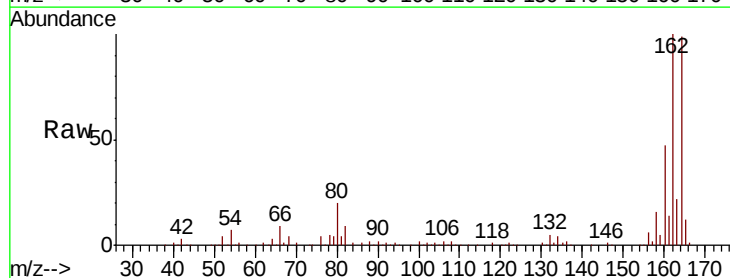


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

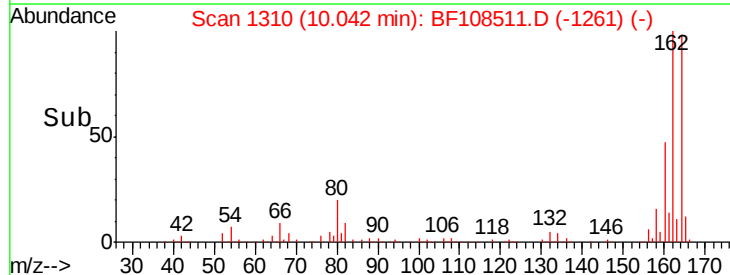
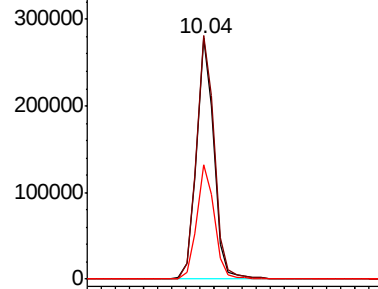


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Tgt Ion:164 Resp: 238071
Ion Ratio Lower Upper
164 100
162 101.1 86.1 129.1
160 47.2 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

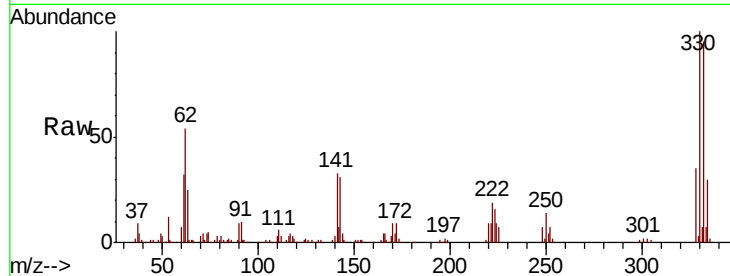




#41
 2,4,6-Tribromophenol
 Concen: 64.805 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF108511.D
 Acq: 27 Aug 2018 15:35

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	33.4	29.9	44.9

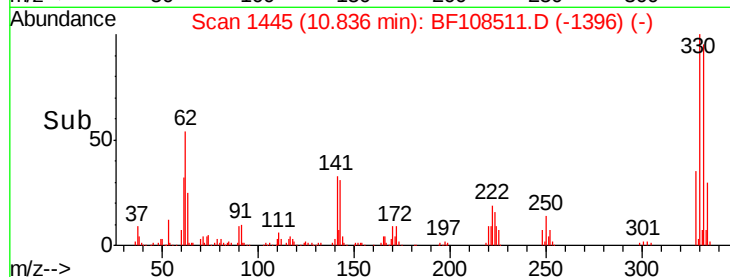
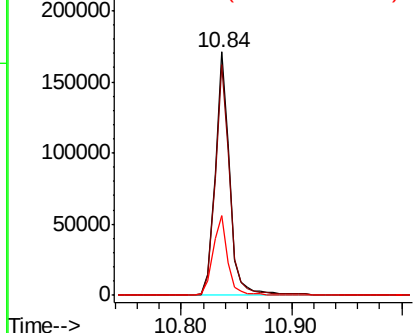


Abundance

Ion 329.80 (329.50 to 330.50): E

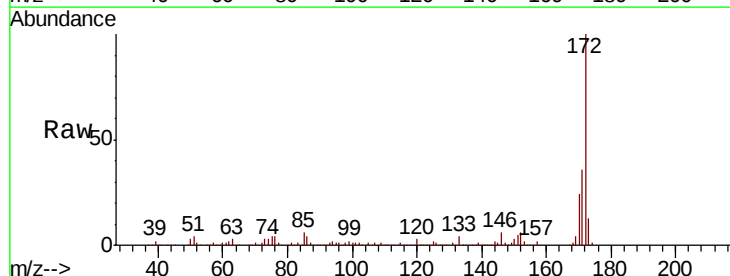
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 52.506 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108511.D
 Acq: 27 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4

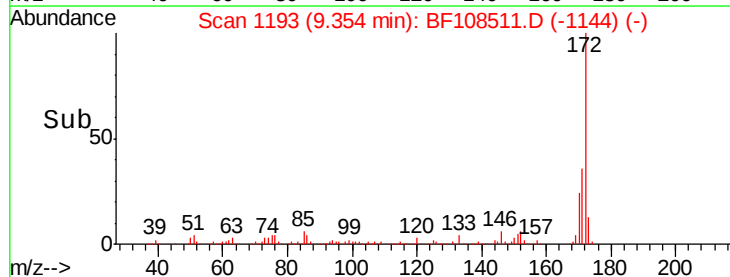
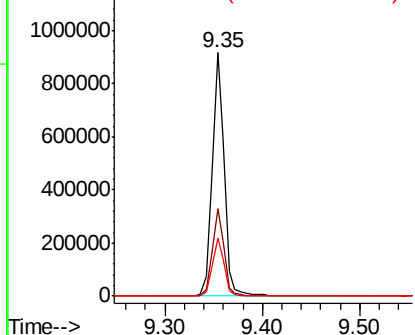


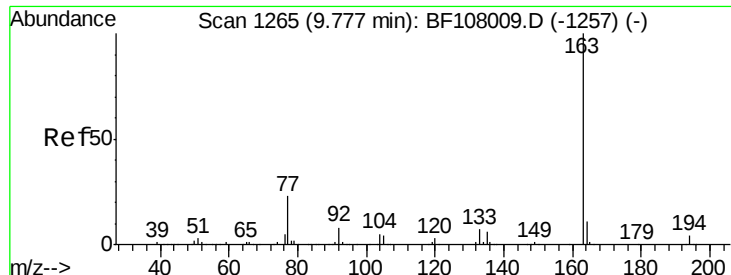
Abundance

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

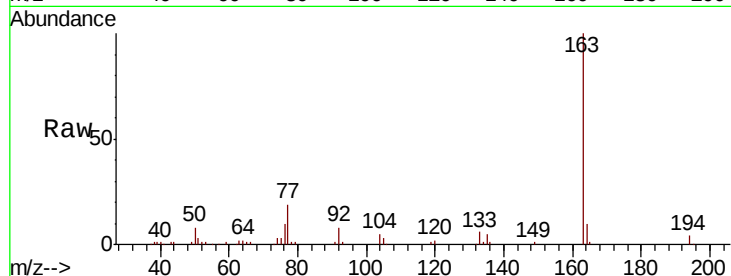




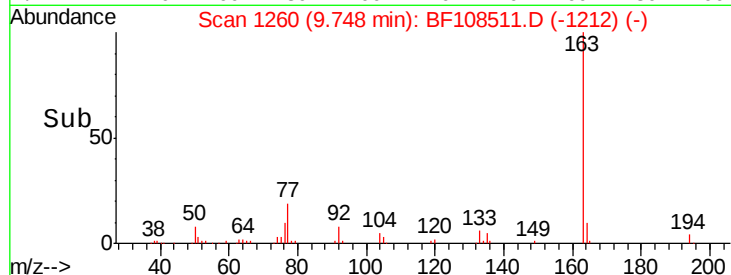
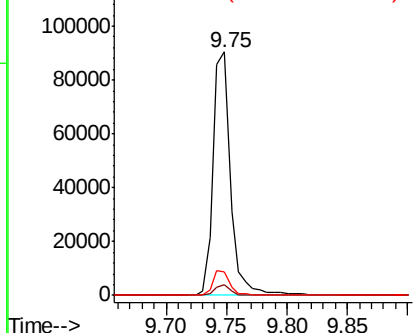
#49
Dimethylphthalate
Concen: 5.434 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.02 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.6	8.2	12.2

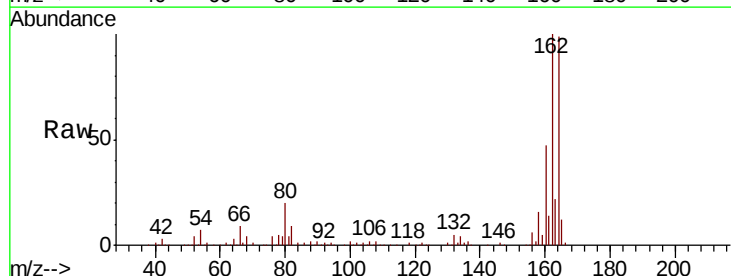


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

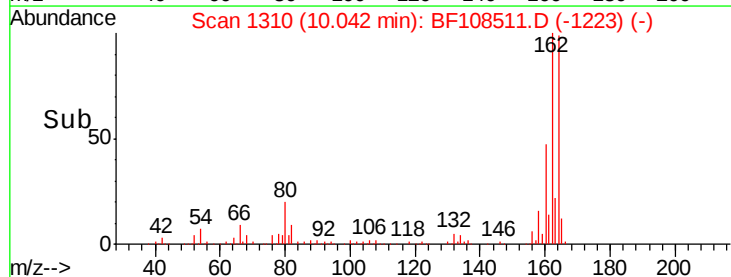
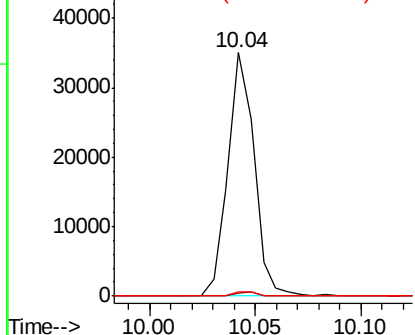


#50
2,6-Dinitrotoluene
Concen: 8.667 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.21 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.9	44.0	66.0#



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

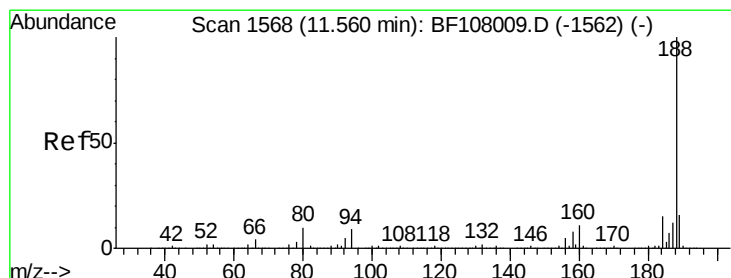
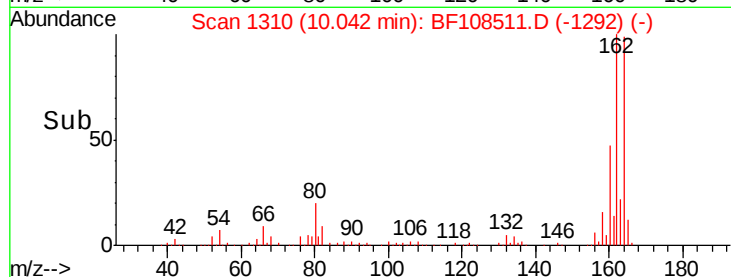
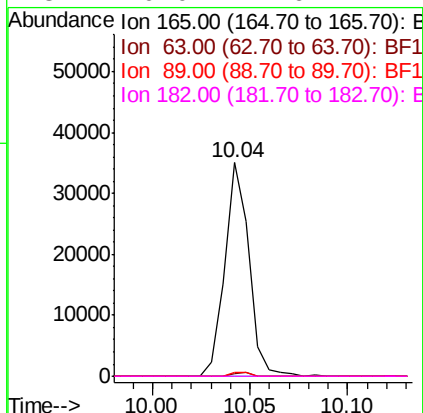
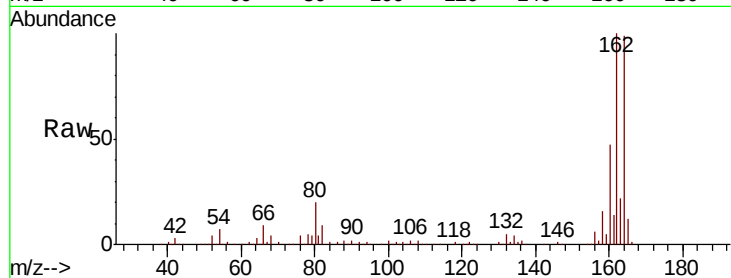




#56
 2,4-Dinitrotoluene
 Concen: 6.733 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.19 min
 Lab File: BF108511.D
 Acq: 27 Aug 2018 15:35

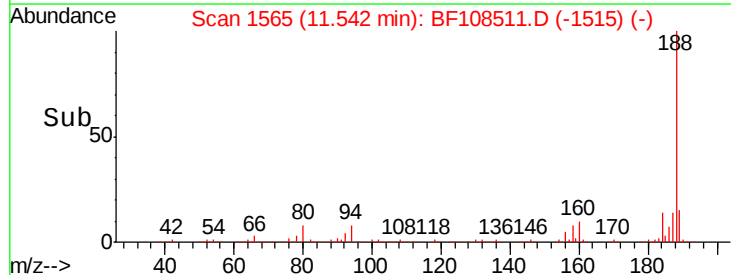
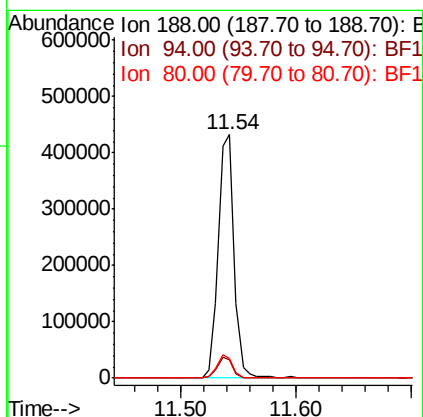
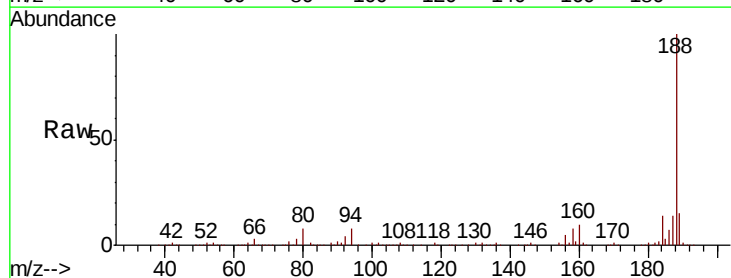
Instrument :
 BNA_F
 ClientSampled :

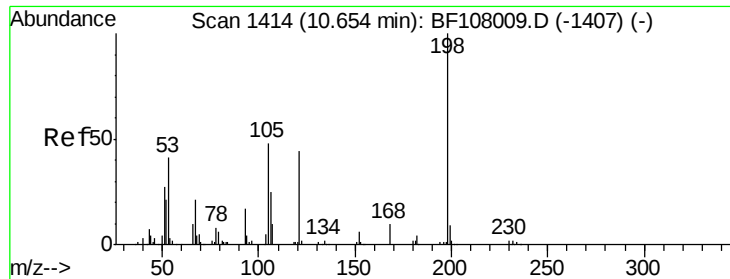
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF108511.D
 Acq: 27 Aug 2018 15:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.7	8.5	12.7#
80	8.1	9.2	13.8#

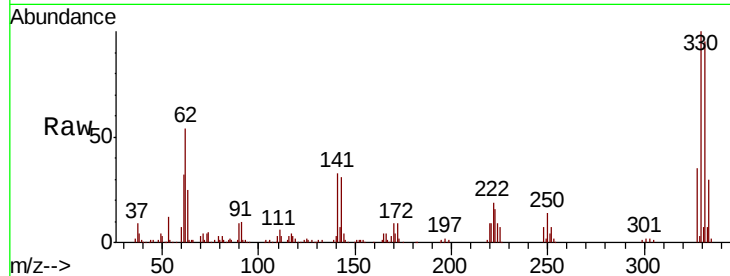




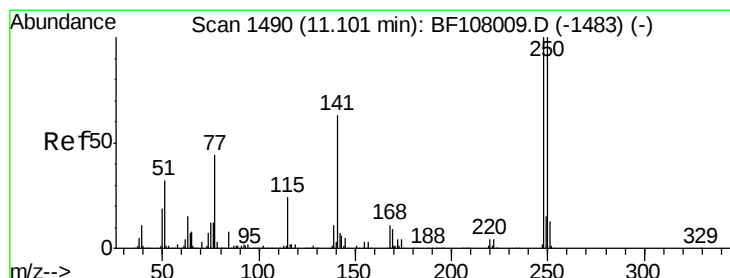
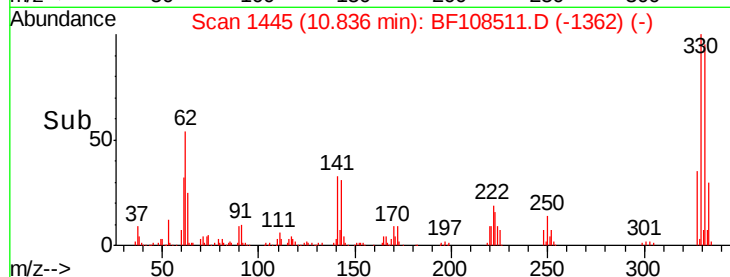
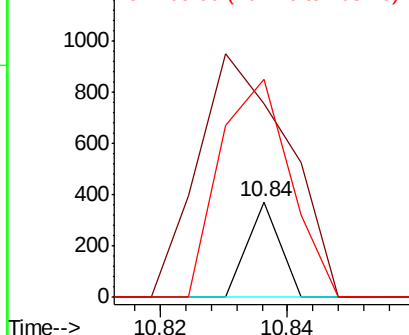
#64
4,6-Dinitro-2-methylphenol
Concen: 5.434 ng
RT: 10.84 min Scan# 1445
Delta R.T. 0.19 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 131
Ion Ratio Lower Upper
198 100
51 203.2 37.7 77.7#
105 228.5 36.3 76.3#

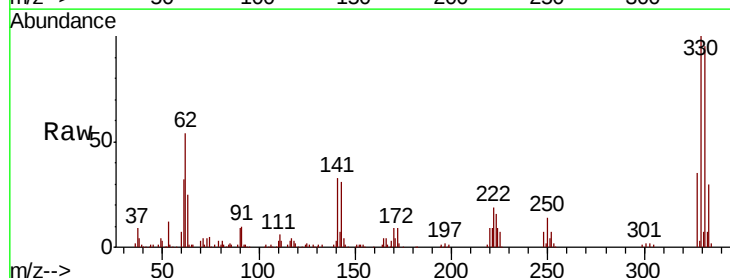


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

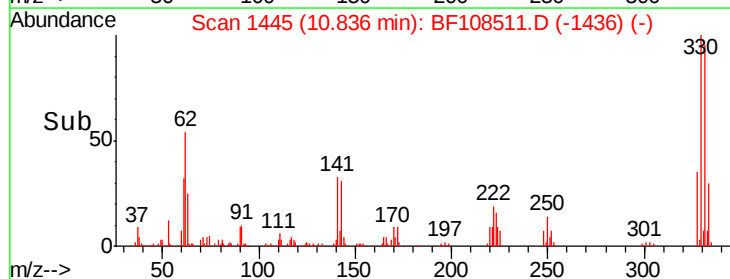
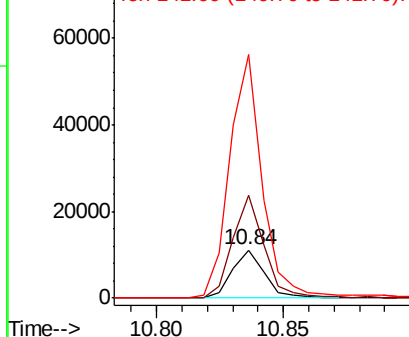


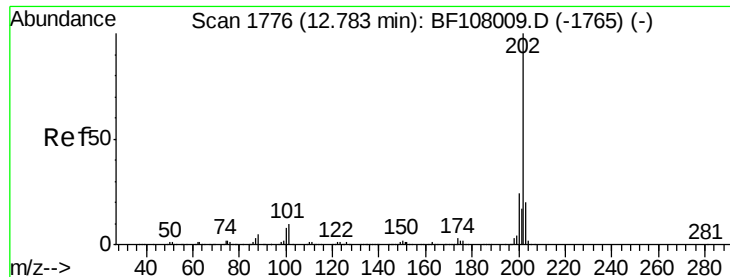
#66
4-Bromophenyl-phenylether
Concen: 2.211 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF108511.D
Acq: 27 Aug 2018 15:35

Tgt Ion:248 Resp: 9915
Ion Ratio Lower Upper
248 100
250 214.1 76.9 115.3#
141 504.1 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





#74

Fluoranthene

Concen: 2.585 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

Instrument :

BNA_F

ClientSampleId :

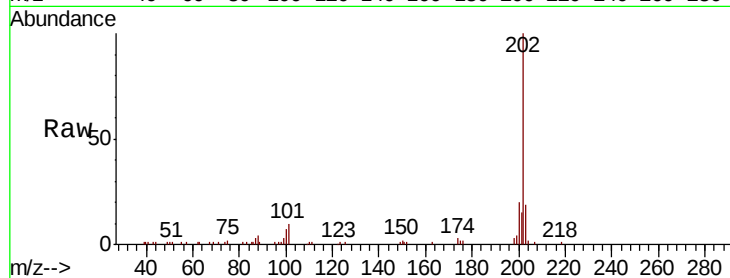
Tot Ion:202 Resp: 54895

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

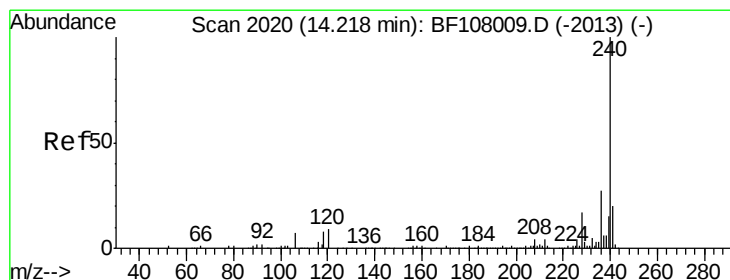
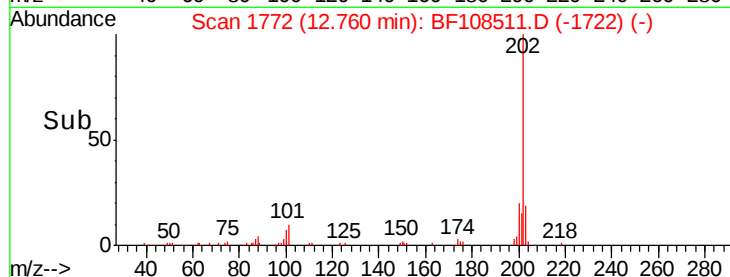
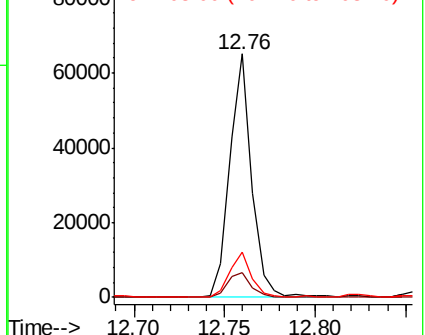
203 18.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

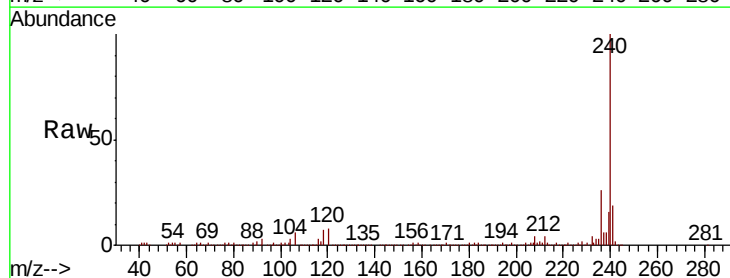
Tgt Ion:240 Resp: 291872

Ion Ratio Lower Upper

240 100

120 8.3 9.5 14.3#

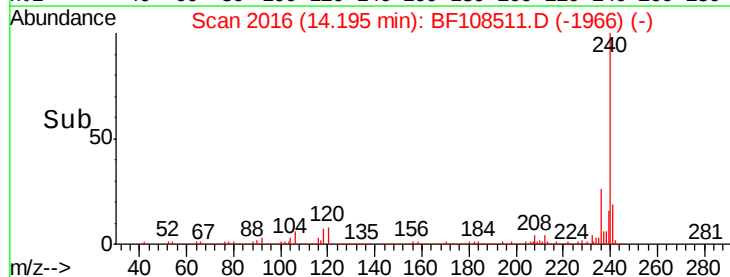
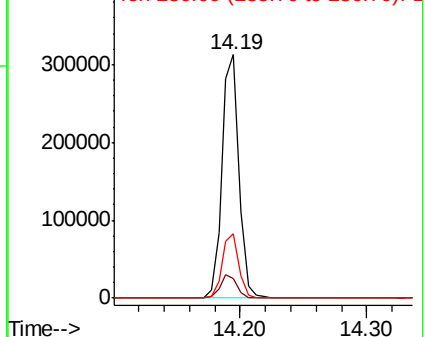
236 26.3 20.7 31.1

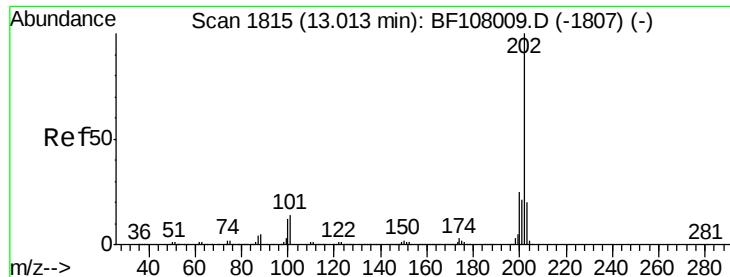


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.843 ng

RT: 12.99 min Scan# 1811

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

Instrument :

BNA_F

ClientSampleId :

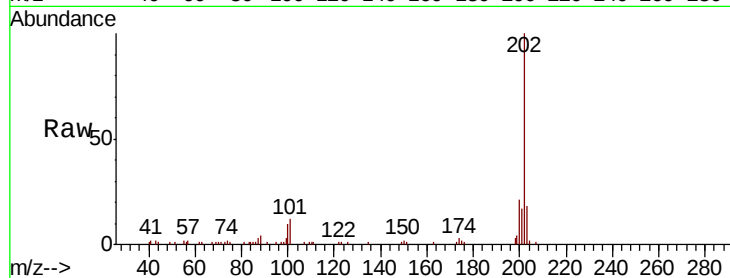
Tot Ion:202 Resp: 52538

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

203 18.0 14.3 21.5

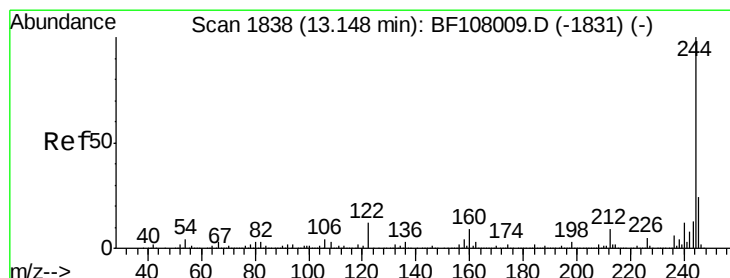
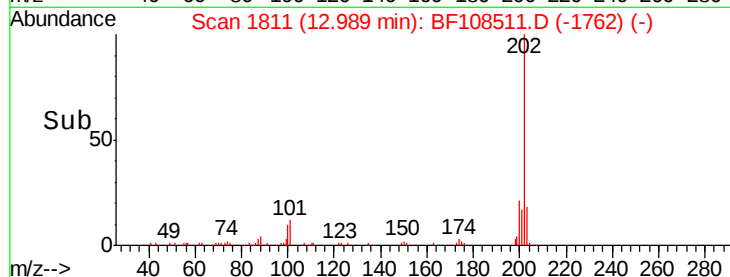
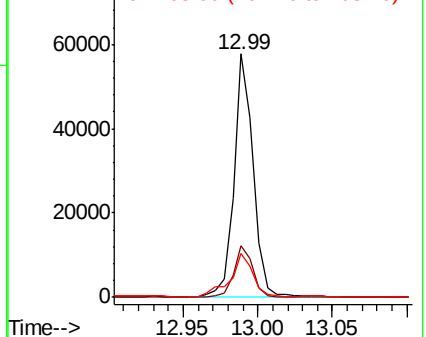


Abundance

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: 51.247 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

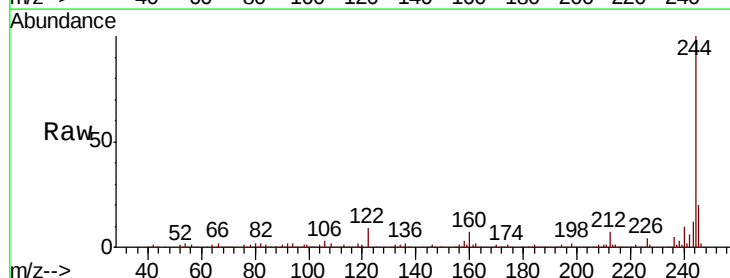
Tgt Ion:244 Resp: 588285

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 9.2 11.0 16.4#

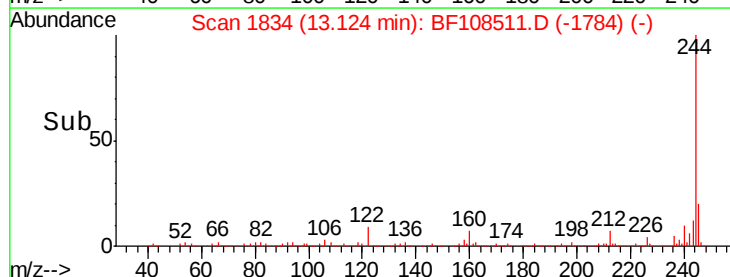
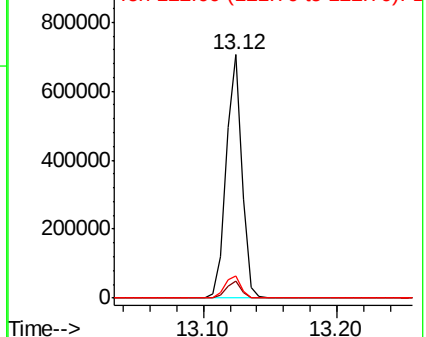


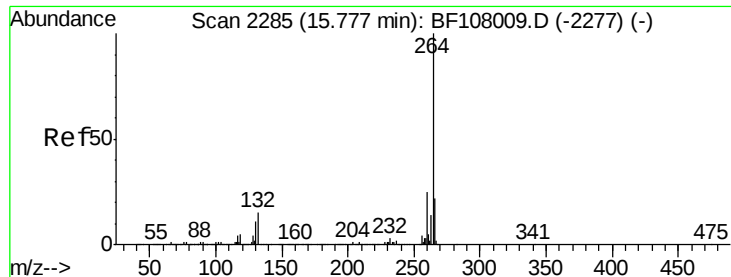
Abundance

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





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

Instrument :

BNA_F

ClientSampled :

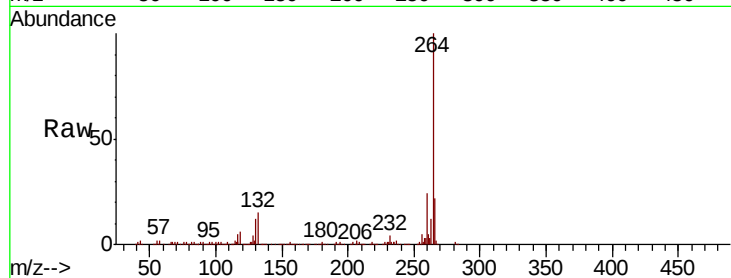
Tot Ion:264 Resp: 276223

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

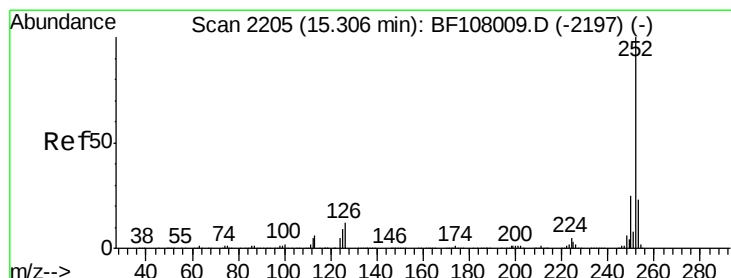
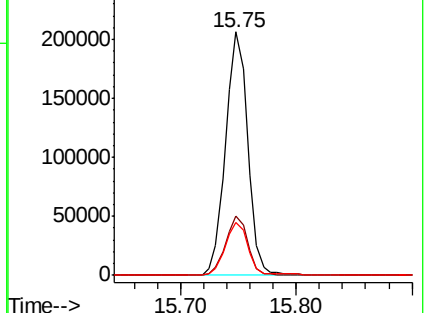
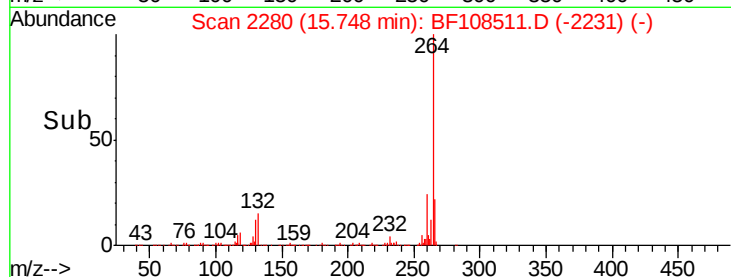
265 21.8 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 3.036 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108511.D

Acq: 27 Aug 2018 15:35

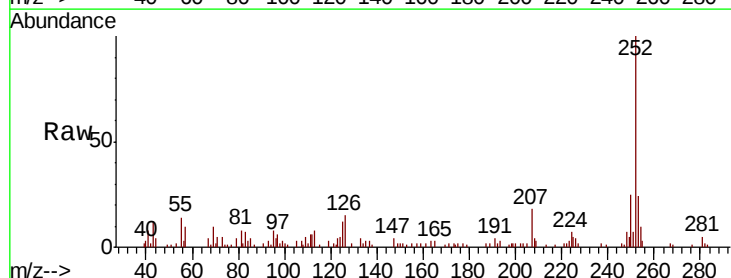
Tgt Ion:252 Resp: 50109

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

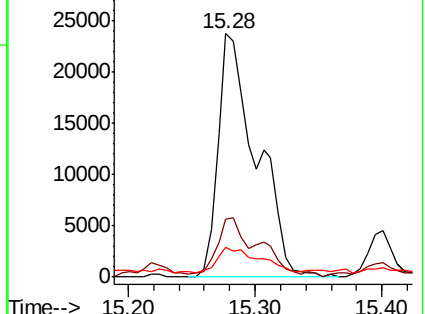
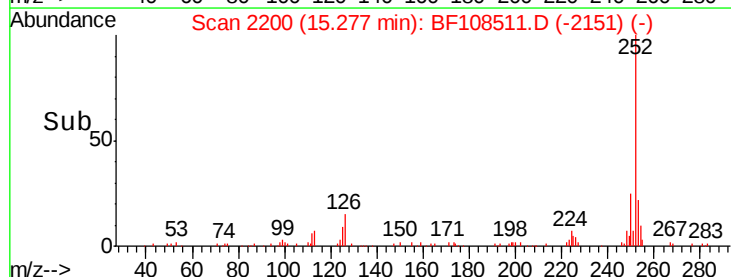
125 12.3 9.0 13.6

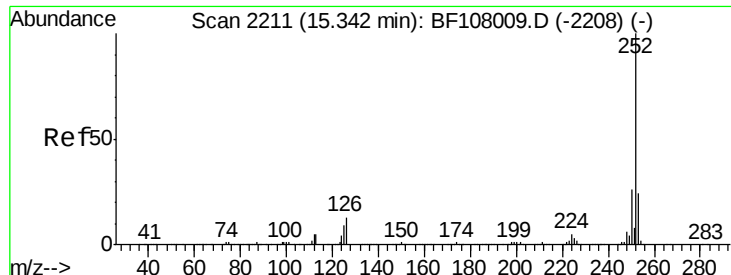


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

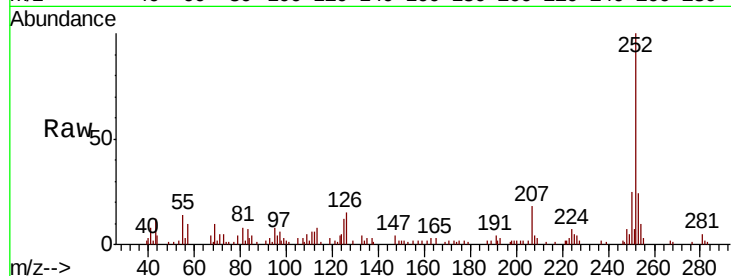




#88
 Benzo(k)fluoranthene
 Concen: 3.303 ng
 RT: 15.28 min Scan# 2200
 Delta R.T. -0.05 min
 Lab File: BF108511.D
 Acq: 27 Aug 2018 15:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	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

