

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121918\
 Data File : BF111621.D
 Acq On : 20 Dec 2018 5:31
 Operator : JU/SJ
 Sample : J6340-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05A

Quant Time: Dec 20 07:37:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	198445	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	688919	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	318302	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	577286	20.00	ng	0.00
76) Chrysene-d12	14.05	240	508941	20.00	ng	0.00
87) Perylene-d12	15.52	264	356383	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1502186	129.03	ng	0.01
7) Phenol-d6	6.53	99	1893159	127.77	ng	0.00
23) Nitrobenzene-d5	7.46	82	1169420	98.81	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	492458	130.94	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2091347	95.77	ng	0.00
79) Terphenyl-d14	13.00	244	2069509	77.11	ng	0.00

Target Compounds

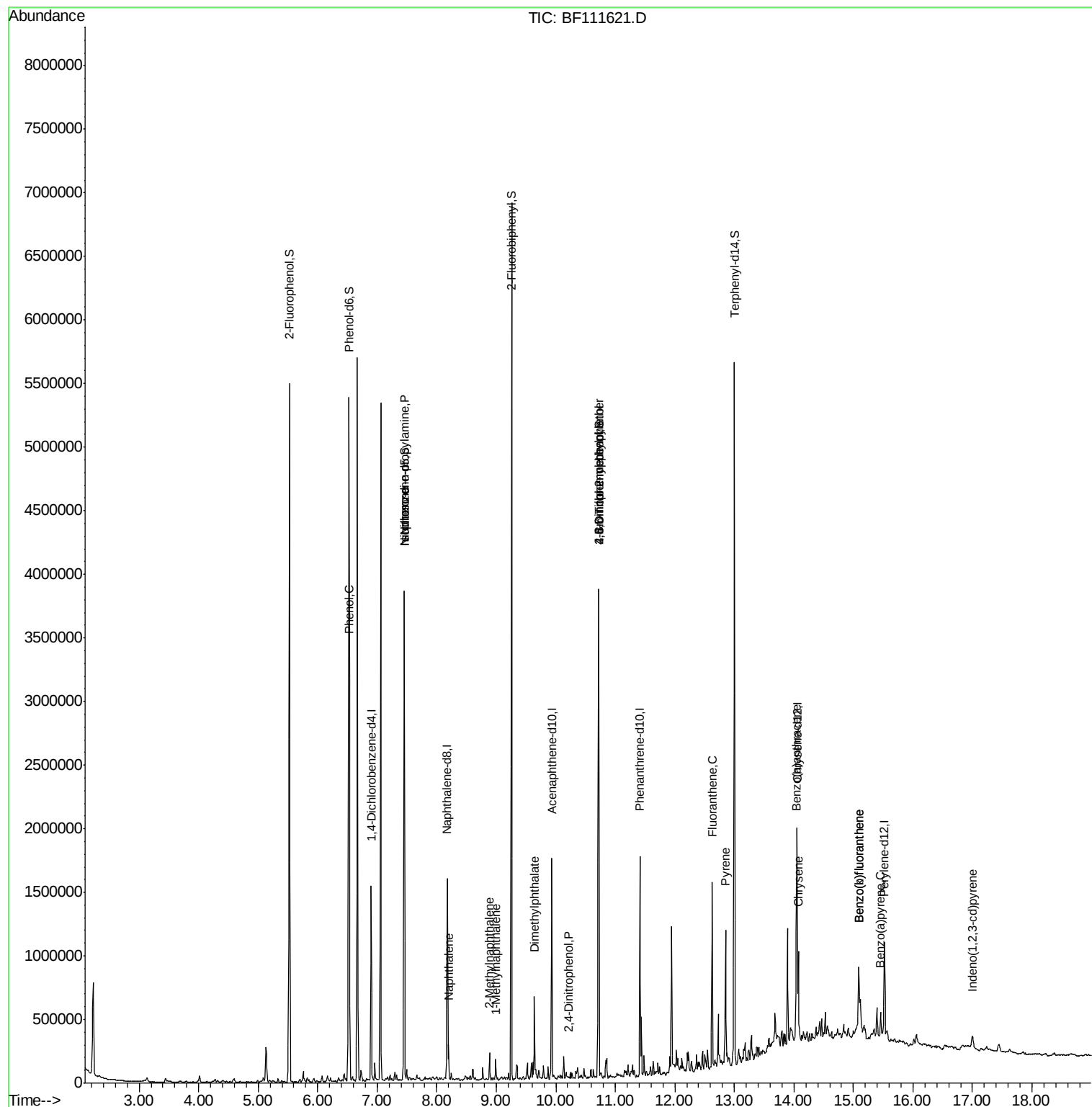
						Qvalue
10) Phenol	6.54	94	98843	5.913	ng	94
19) n-Nitroso-di-n-propylamine	7.46	70	163187	16.584	ng	# 78
25) Isophorone	7.46	82	1166925	55.538	ng	# 64
31) Naphthalene	8.20	128	97417	2.943	ng	95
37) 2-Methylnaphthalene	8.89	142	54127	2.513	ng	97
38) 1-Methylnaphthalene	8.99	142	42478	2.054	ng	100
50) Dimethylphthalate	9.64	163	248626	10.681	ng	97
54) 2,4-Dinitrophenol	10.22	184	786	7.787	ng	# 43
65) 4,6-Dinitro-2-methylphenol	10.72	198	1076	7.081	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	30886	4.314	ng	# 1
75) Fluoranthene	12.63	202	533349	17.203	ng	95
78) Pyrene	12.86	202	445946	12.408	ng	96
81) Benzo(a)anthracene	14.04	228	187732	6.463	ng	96
83) Chrysene	14.07	228	293084	10.267	ng	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	62255	2.565	ng	# 85
88) Benzo(b)fluoranthene	15.09	252	350516	16.829	ng	# 97
89) Benzo(k)fluoranthene	15.09	252	350516	17.677	ng	98
90) Benzo(a)pyrene	15.46	252	90751	4.796	ng	94

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

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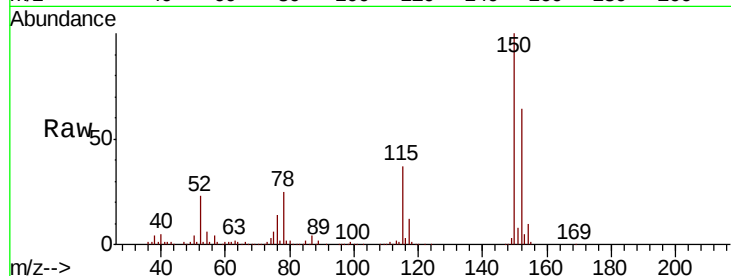


#1

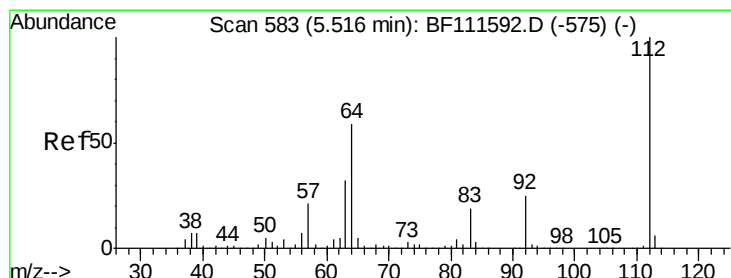
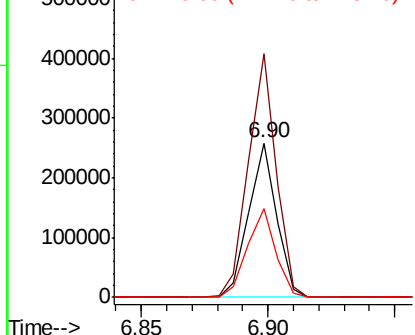
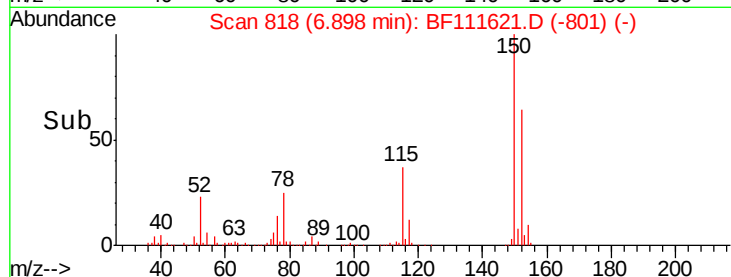
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tgt Ion:152 Resp: 198445
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 57.6 50.7 76.1



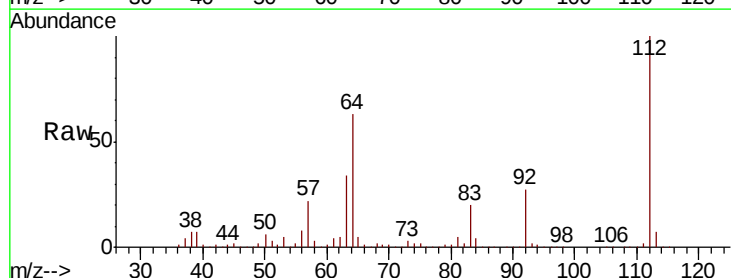
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



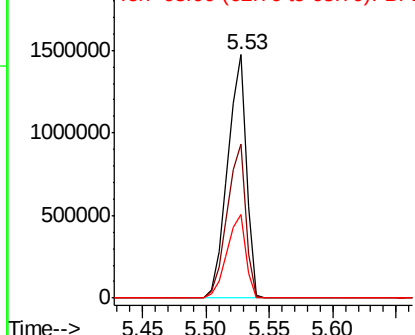
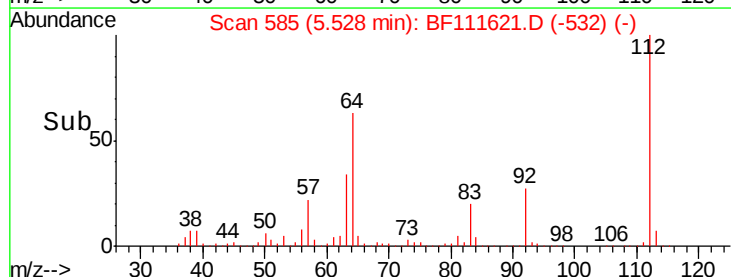
#5

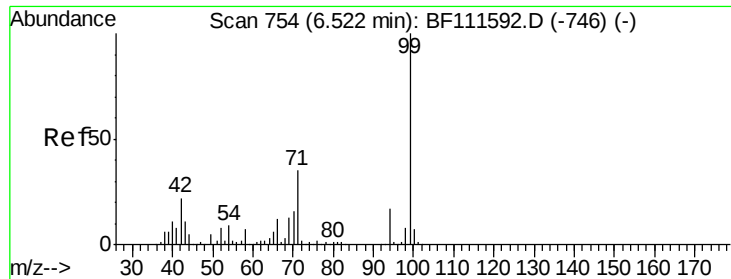
2-Fluorophenol
Concen: 129.030 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion:112 Resp: 1502186
Ion Ratio Lower Upper
112 100
64 63.4 51.8 77.6
63 34.4 26.8 40.2



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: 127.774 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Instrument :

BNA_F

ClientSampleId :

SB-05A

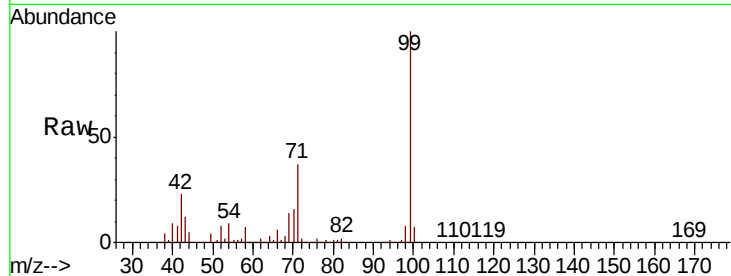
Tgt Ion: 99 Resp: 1893159

Ion Ratio Lower Upper

99 100

42 23.1 17.4 26.0

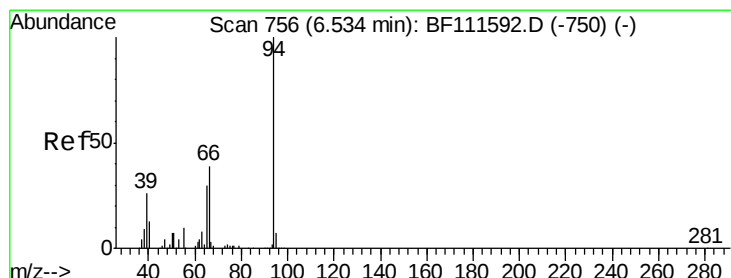
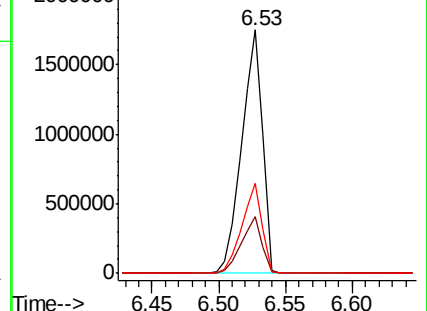
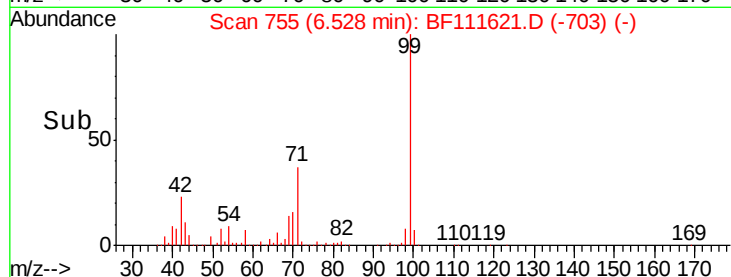
71 36.7 26.1 39.1



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



#10

Phenol

Concen: 5.913 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.01 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

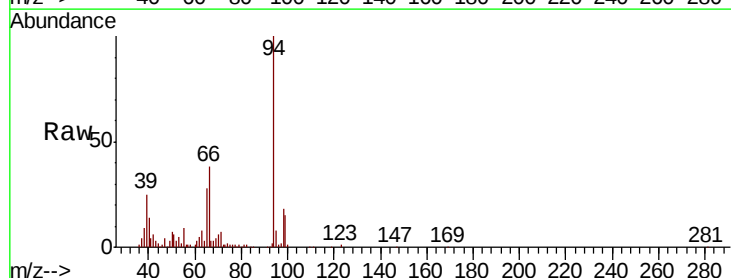
Tgt Ion: 94 Resp: 98843

Ion Ratio Lower Upper

94 100

65 27.8 11.7 51.7

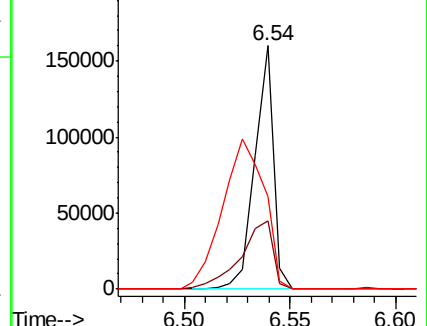
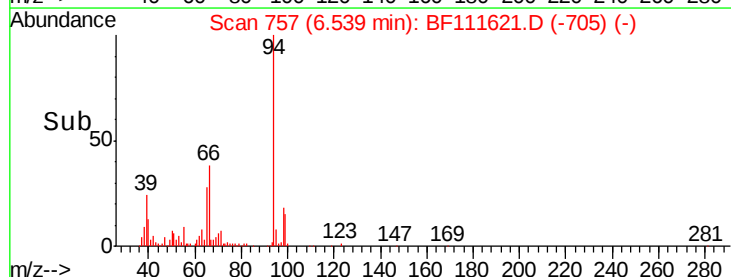
66 38.0 21.0 61.0

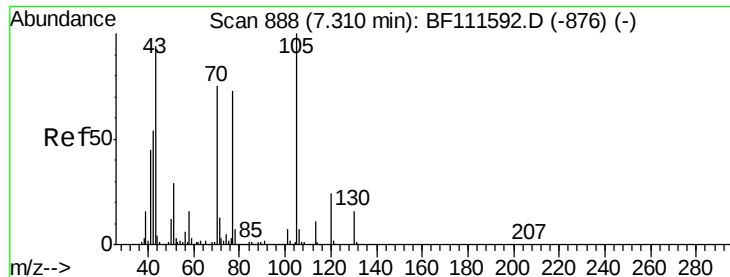


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

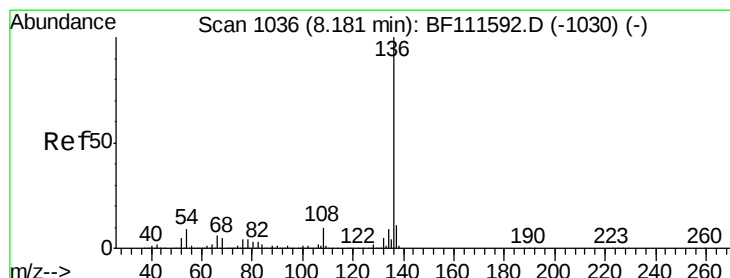
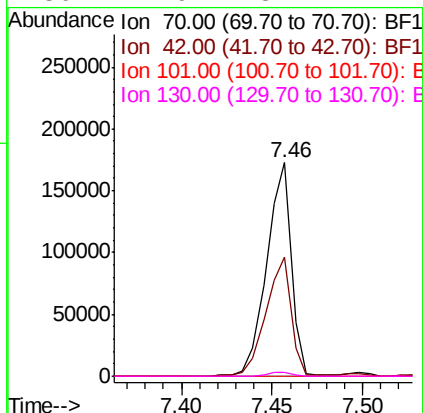
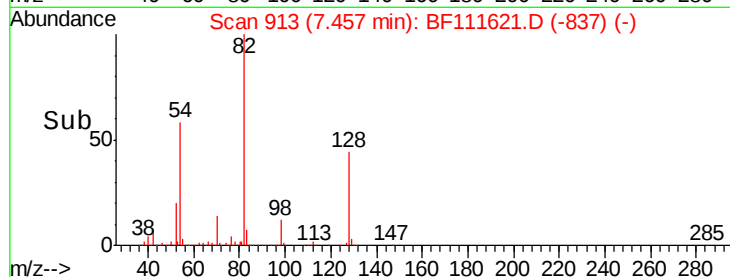
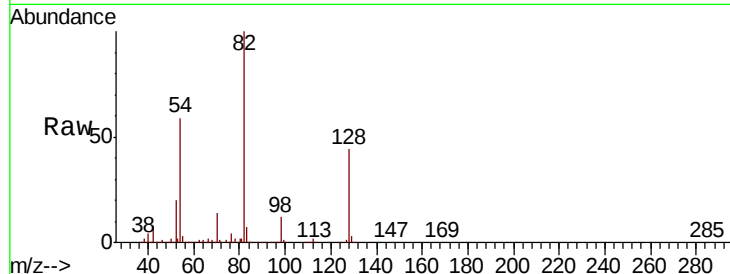




#19
n-Nitroso-di-n-propylamine
Concen: 16.584 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

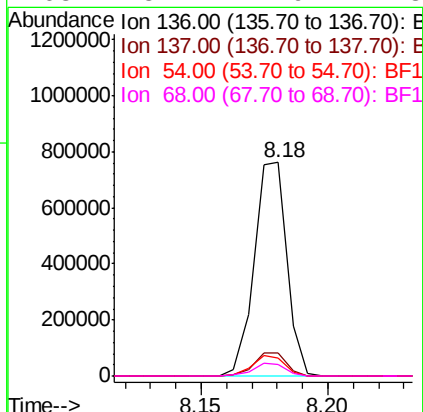
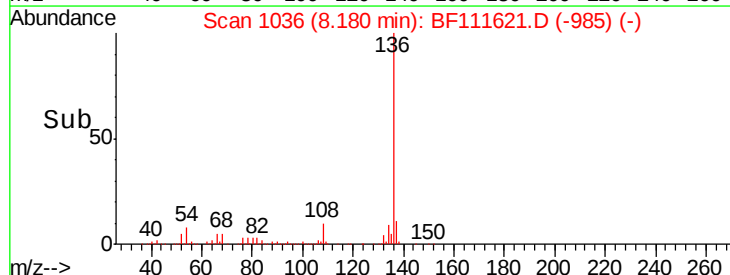
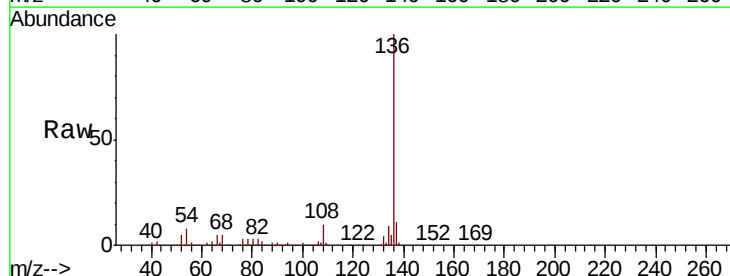
Instrument :
BNA_F
ClientSampleId :
SB-05A

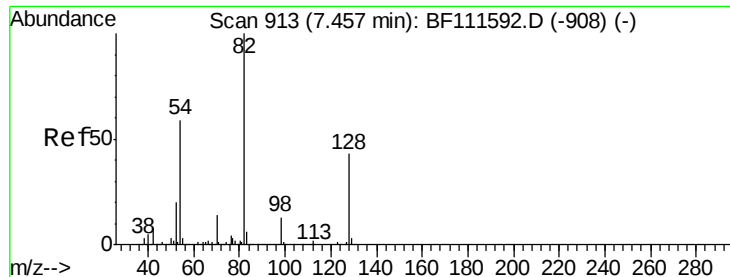
Tgt Ion: 70 Resp: 163187
Ion Ratio Lower Upper
70 100
42 55.7 53.2 79.8
101 0.0 8.2 12.4#
130 1.9 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion: 136 Resp: 688919
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 8.4 7.7 11.5
68 5.1 4.9 7.3

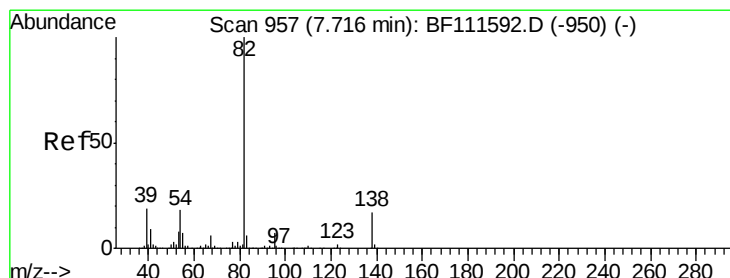
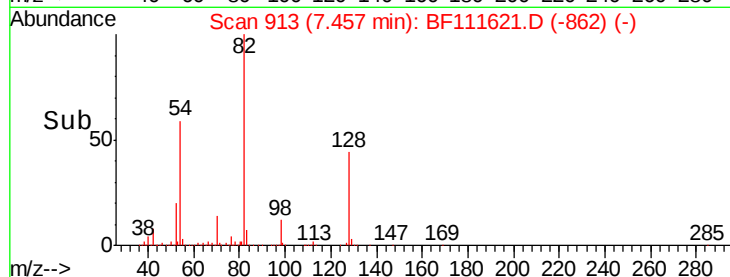
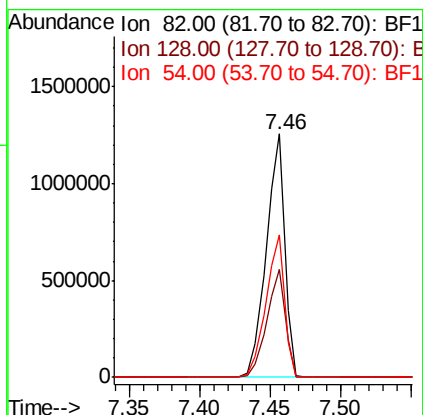
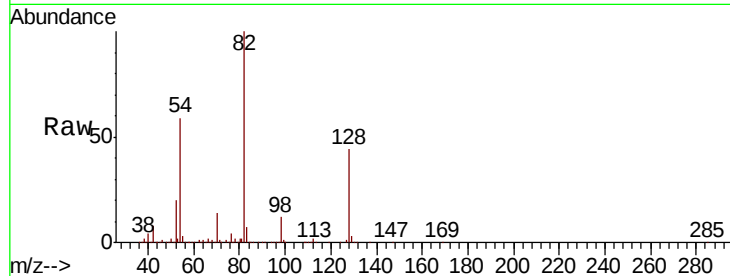




#23
Nitrobenzene-d5
Concen: 98.806 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

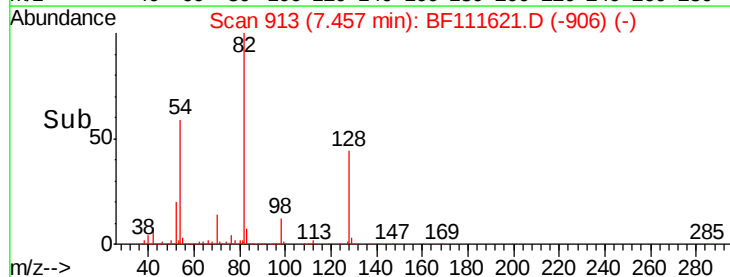
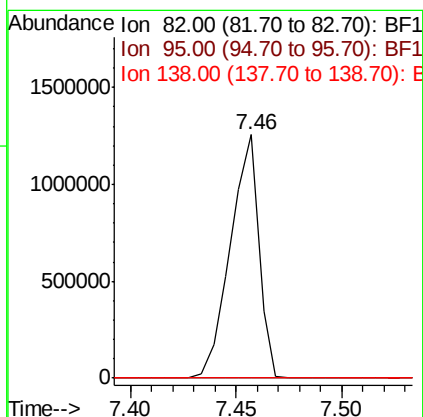
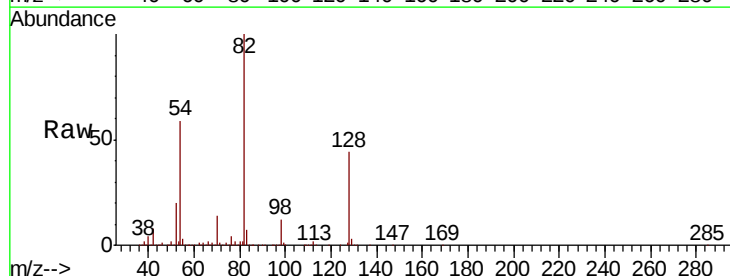
Instrument :
BNA_F
ClientSampleId :
SB-05A

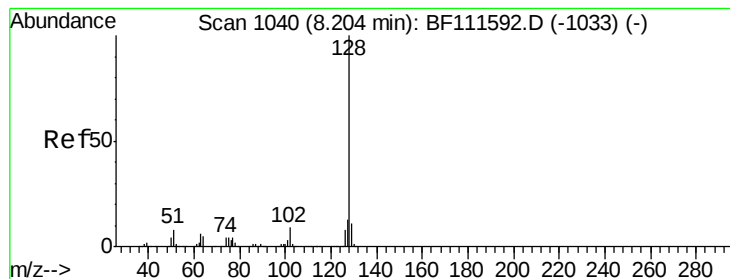
Tgt Ion: 82 Resp: 1169420
Ion Ratio Lower Upper
82 100
128 44.1 37.4 56.2
54 58.5 47.6 71.4



#25
Isophorone
Concen: 55.538 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion: 82 Resp: 1166925
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#





#31

Naphthalene

Concen: 2.943 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Instrument :

BNA_F

ClientSampleId :

SB-05A

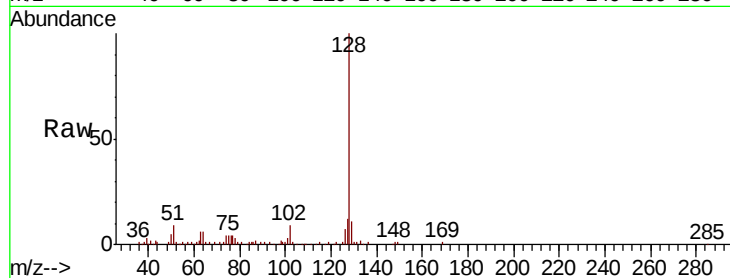
Tgt Ion:128 Resp: 97417

Ion Ratio Lower Upper

128 100

129 10.8 9.8 14.8

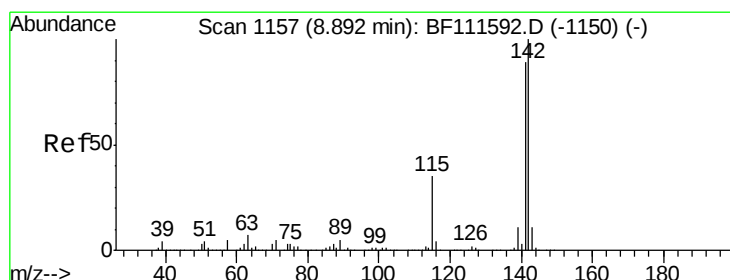
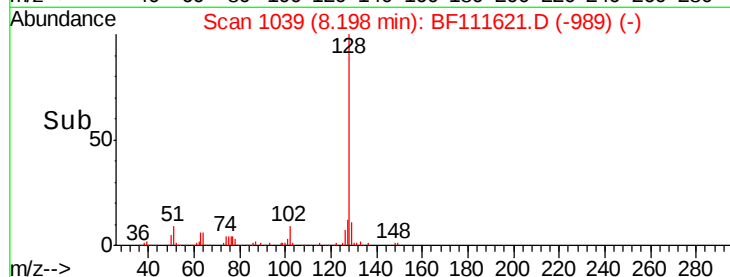
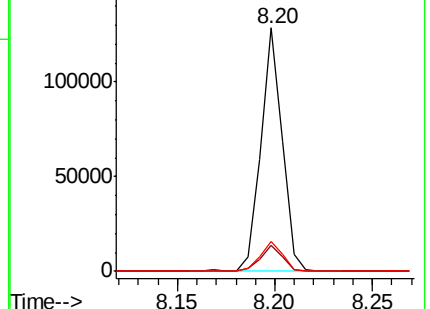
127 12.1 12.0 18.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.513 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

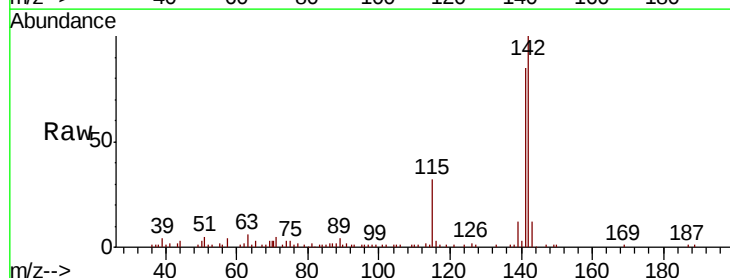
Tgt Ion:142 Resp: 54127

Ion Ratio Lower Upper

142 100

141 85.1 70.6 105.8

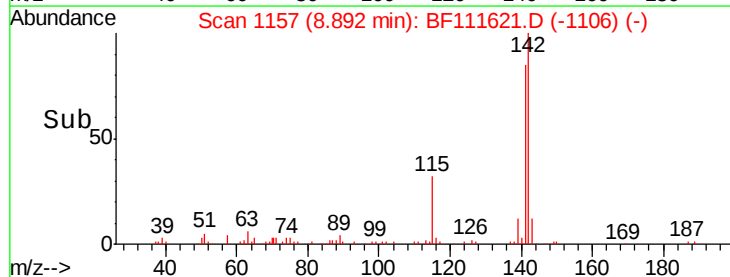
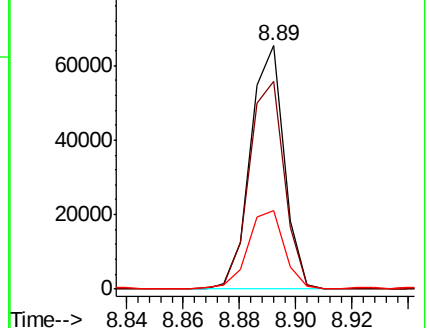
115 32.5 27.0 40.6

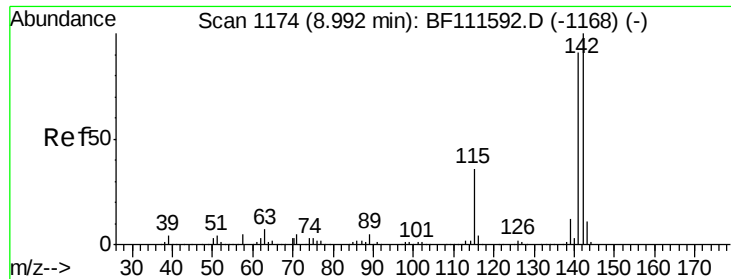


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

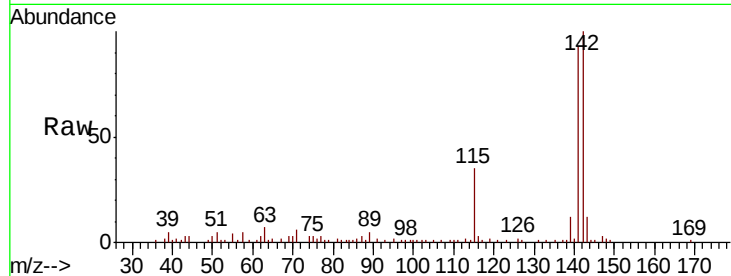




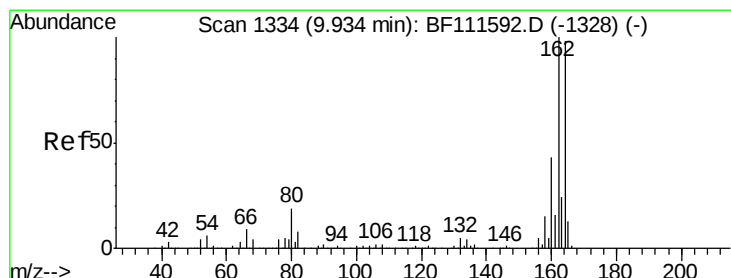
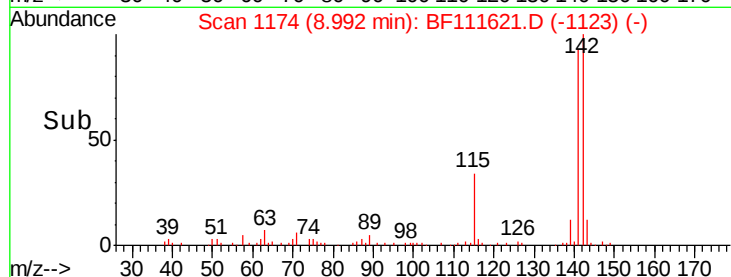
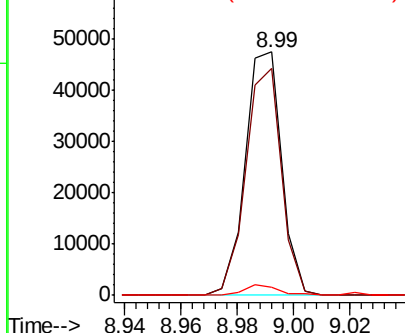
#38
 1-Methylnaphthalene
 Concen: 2.054 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: BF111621.D
 Acq: 20 Dec 2018 5:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-05A

Tgt Ion:142 Resp: 42478
 Ion Ratio Lower Upper
 142 100
 141 93.1 74.2 111.4
 116 3.3 2.9 4.3

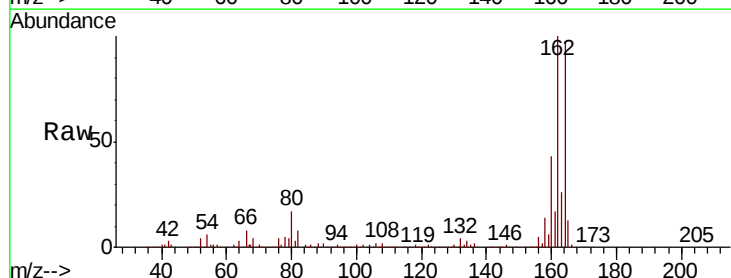


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

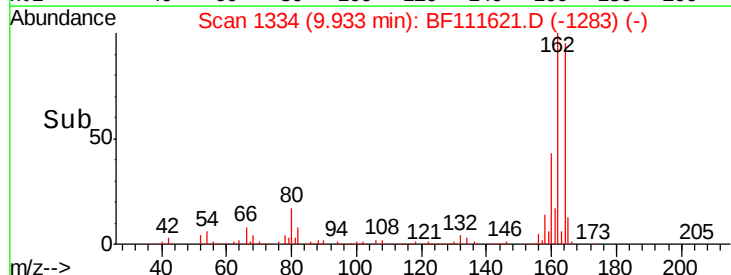
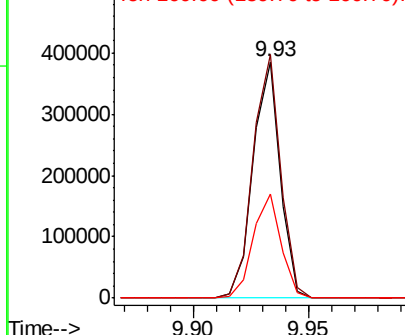


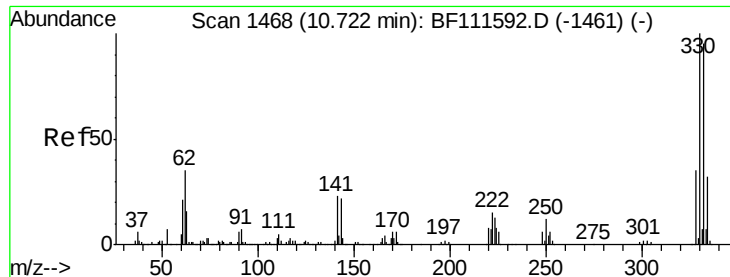
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF111621.D
 Acq: 20 Dec 2018 5:31

Tgt Ion:164 Resp: 318302
 Ion Ratio Lower Upper
 164 100
 162 103.0 81.4 122.0
 160 44.2 35.7 53.5



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

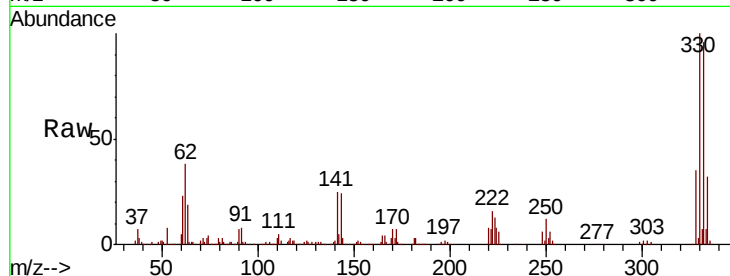




#42
 2,4,6-Tribromophenol
 Concen: 130.939 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111621.D
 Acq: 20 Dec 2018 5:31

Instrument :
 BNA_F
 ClientSampleId :
 SB-05A

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.0	114.0
141	29.6	31.0	46.6#

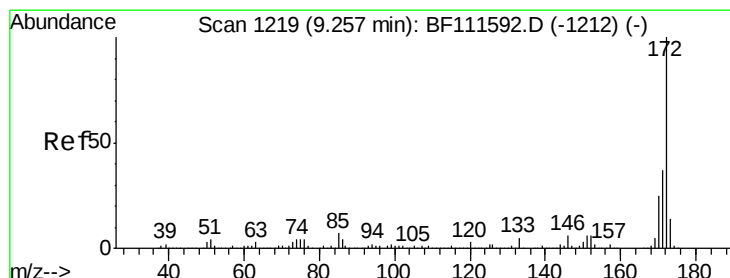
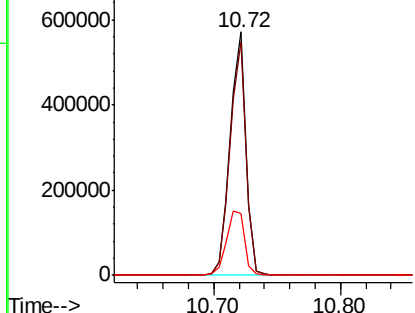
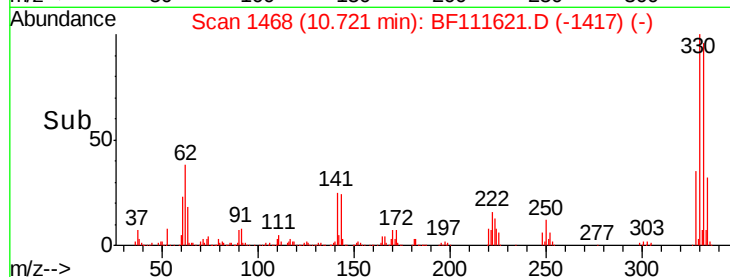


Abundance

Ion 329.80 (329.50 to 330.50): E

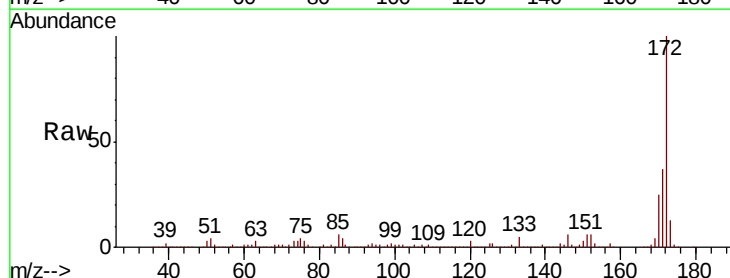
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.767 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111621.D
 Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	33.0	49.4
170	24.9	22.3	33.5

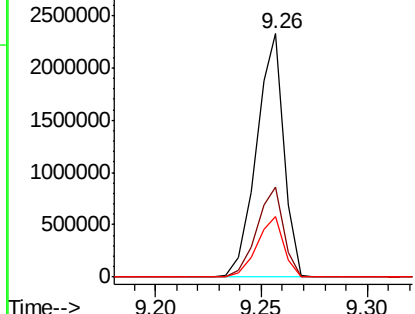
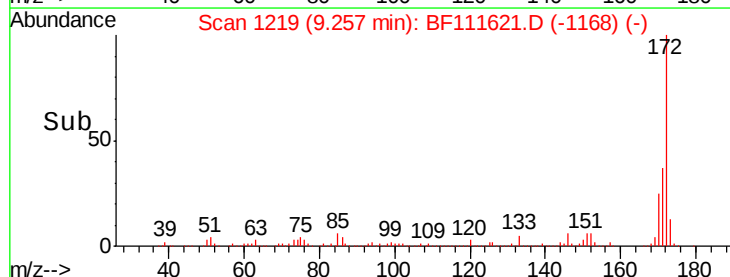


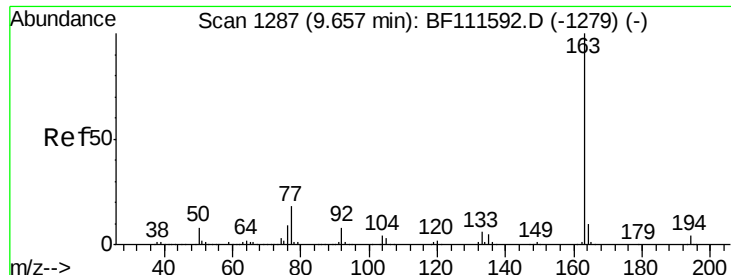
Abundance

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

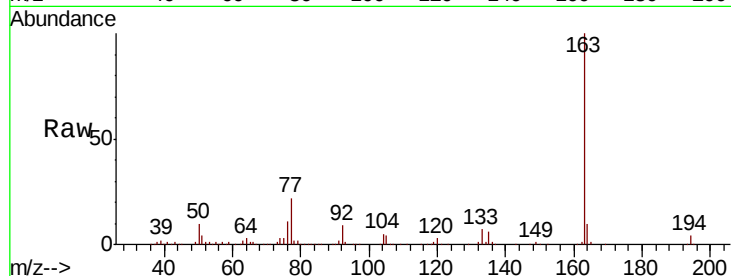




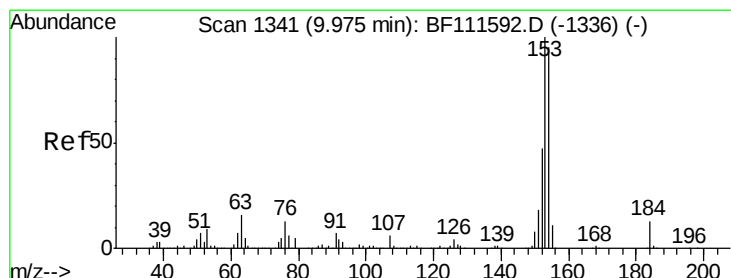
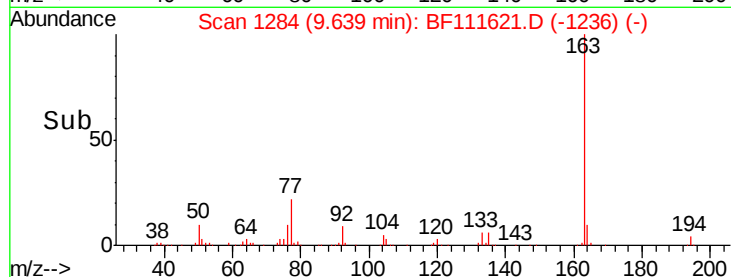
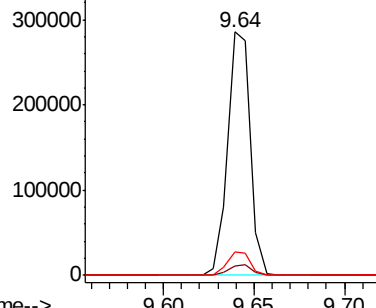
#50
Dimethylphthalate
Concen: 10.681 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.5	8.9	13.3

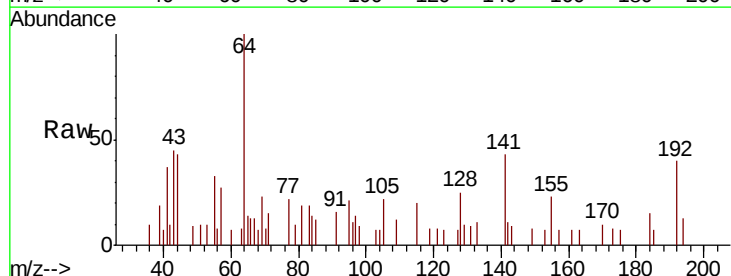


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

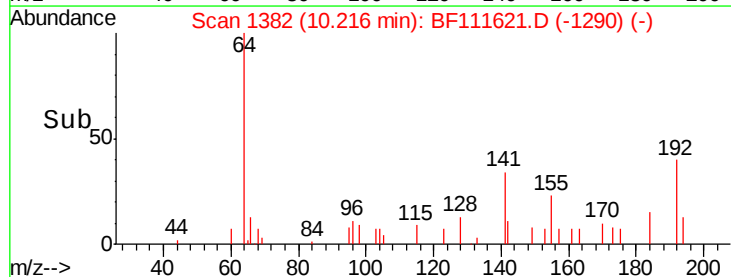
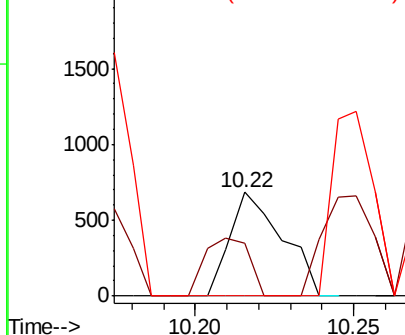


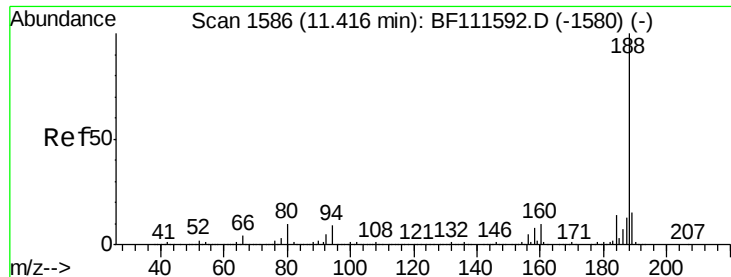
#54
2,4-Dinitrophenol
Concen: 7.787 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.24 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
184	100		
63	51.1	62.3	93.5#
154	0.0	56.2	84.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

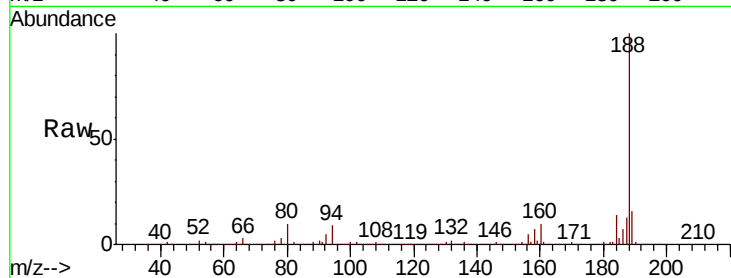




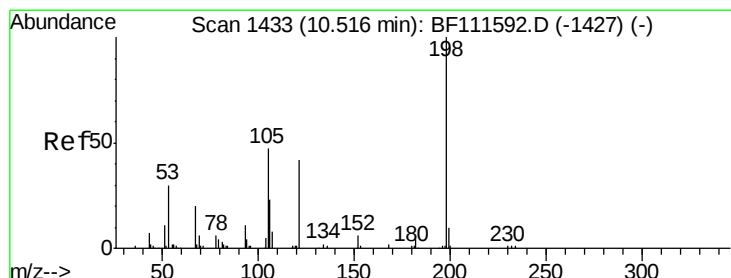
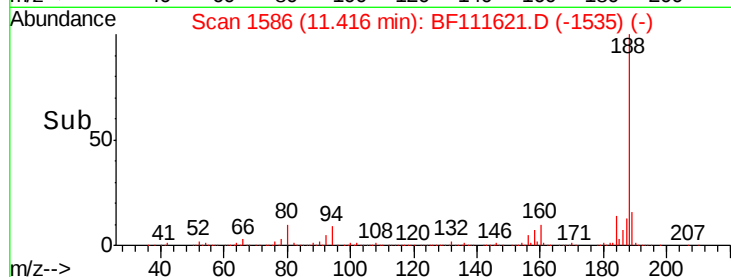
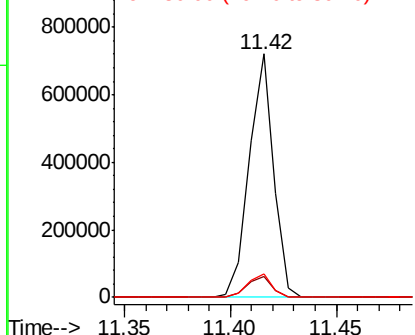
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tgt Ion:188 Resp: 577286
Ion Ratio Lower Upper
188 100
94 8.7 9.6 14.4#
80 9.5 9.8 14.6#

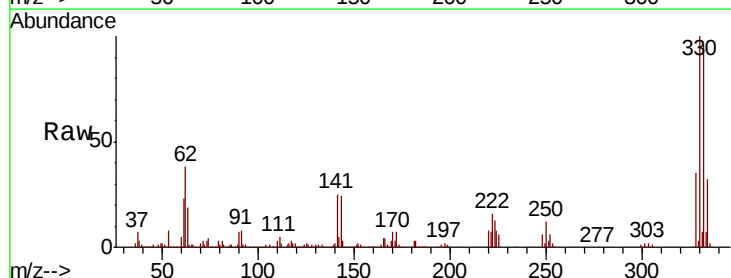


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

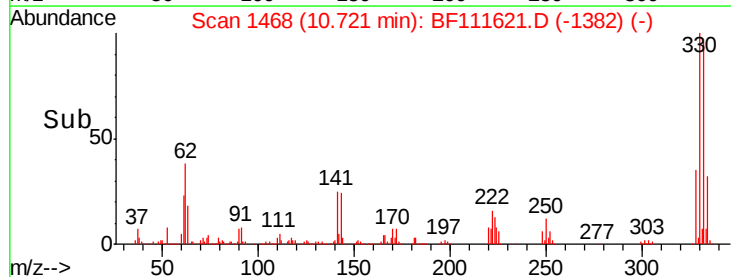
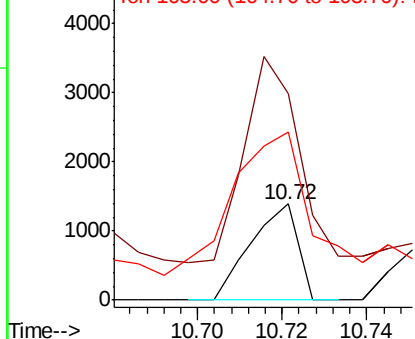


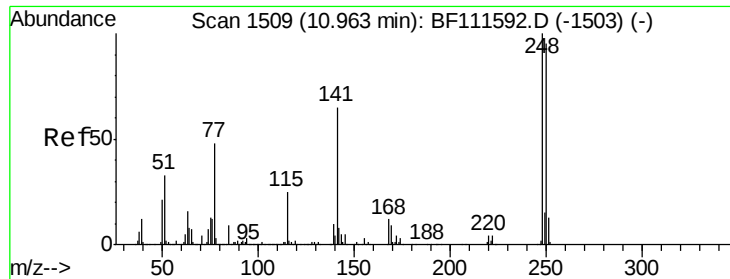
#65
4,6-Dinitro-2-methylphenol
Concen: 7.081 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.21 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion:198 Resp: 1076
Ion Ratio Lower Upper
198 100
51 214.4 48.0 88.0#
105 174.7 34.0 74.0#



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

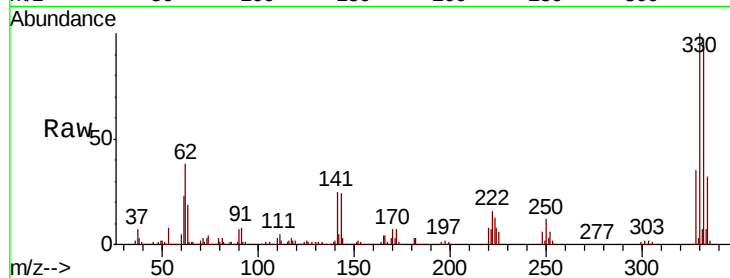




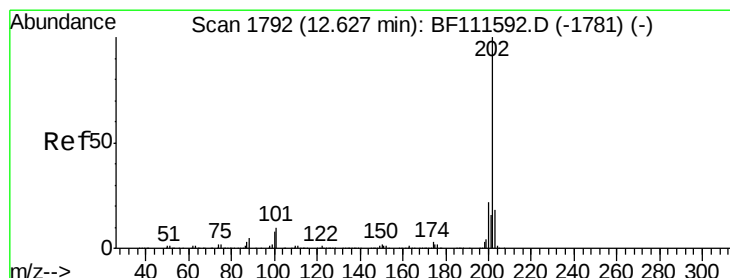
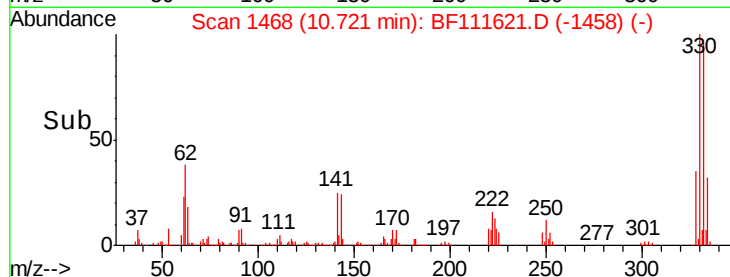
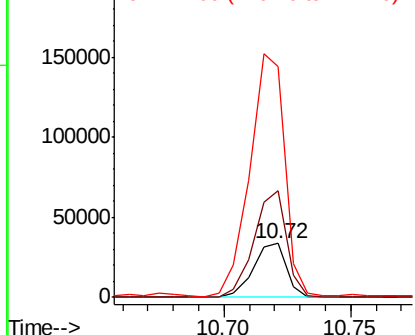
#67
4-Bromophenyl-phenylether
Concen: 4.314 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tgt Ion:248 Resp: 30886
Ion Ratio Lower Upper
248 100
250 199.8 77.0 115.4#
141 431.3 63.0 94.6#

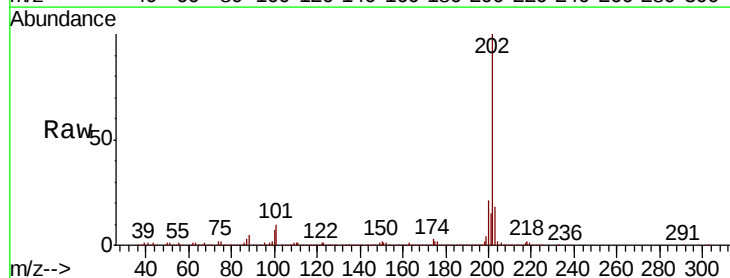


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

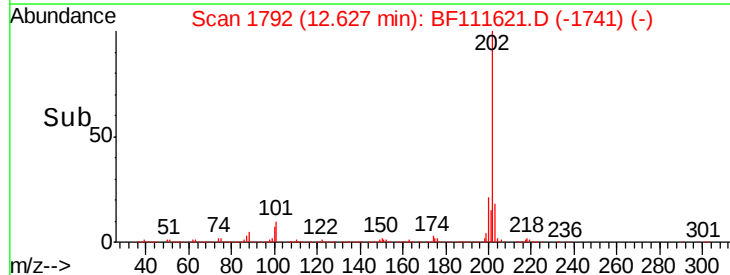
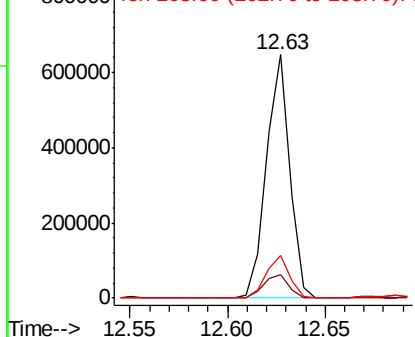


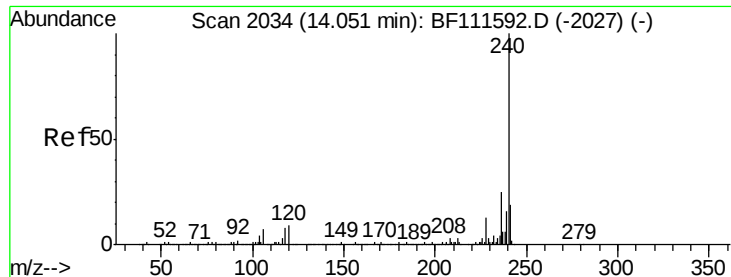
#75
Fluoranthene
Concen: 17.203 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion:202 Resp: 533349
Ion Ratio Lower Upper
202 100
101 9.7 0.0 33.8
203 17.7 0.0 38.6



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

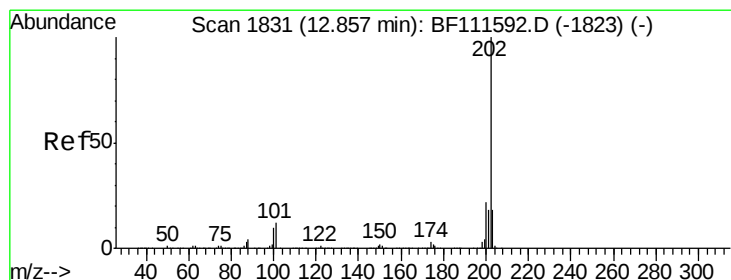
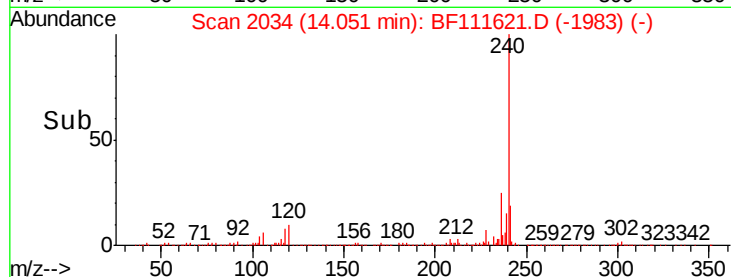
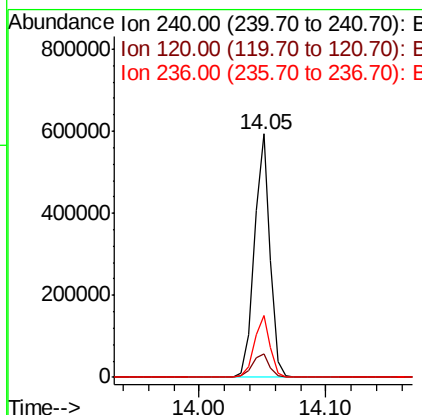
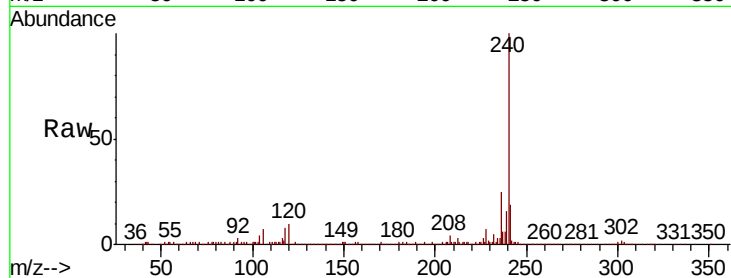
Instrument :

BNA_F

ClientSampleId :

SB-05A

Tgt Ion:	240	Resp:	508941
Ion	Ratio	Lower	Upper
240	100		
120	9.8	12.2	18.2#
236	25.5	20.2	30.2



#78

Pyrene

Concen: 12.408 ng

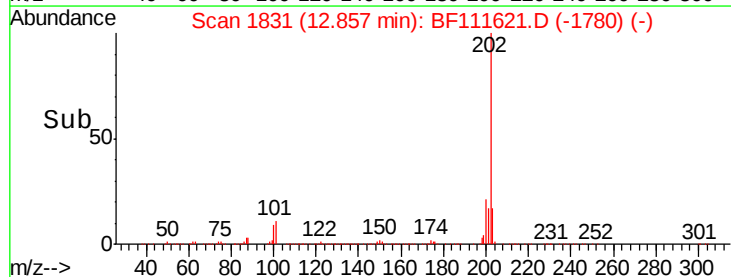
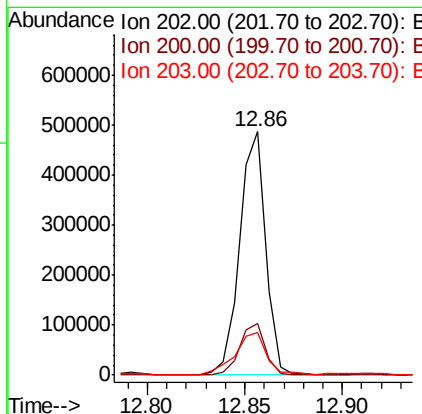
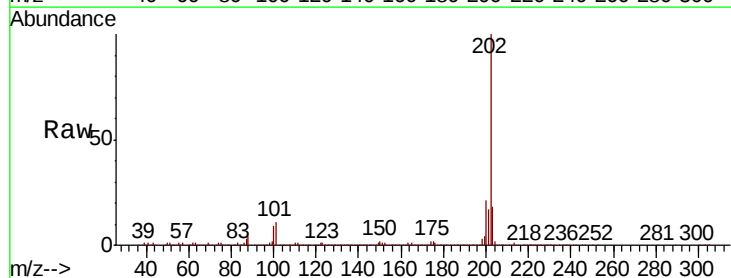
RT: 12.86 min Scan# 1831

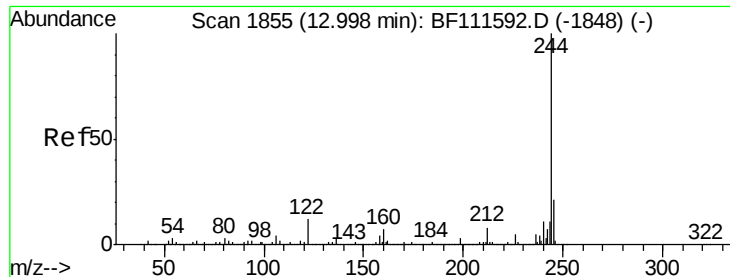
Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Tgt Ion:	202	Resp:	445946
Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.4
203	17.7	15.2	22.8





#79

Terphenyl-d14

Concen: 77.114 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Instrument :

BNA_F

ClientSampled :

SB-05A

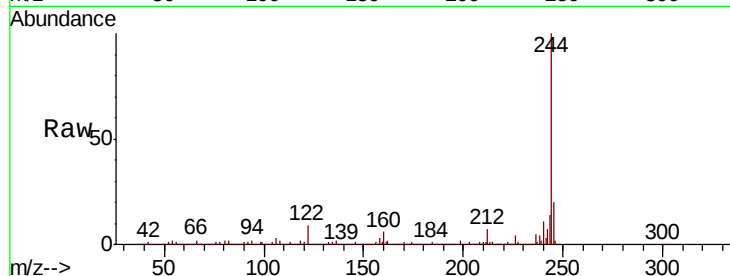
Tgt Ion:244 Resp: 2069509

Ion Ratio Lower Upper

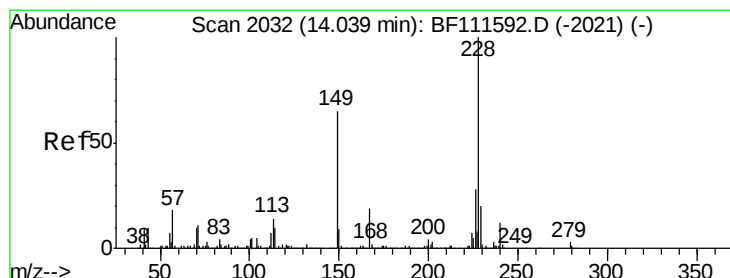
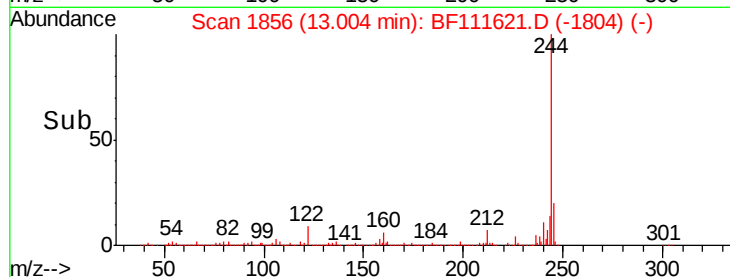
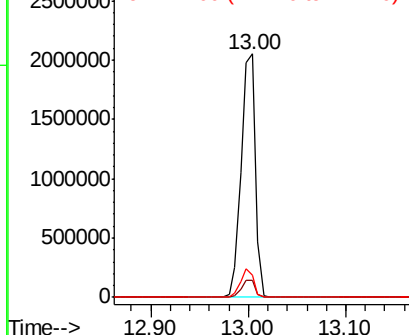
244 100

212 6.9 5.7 8.5

122 9.2 13.1 19.7#



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



#81

Benzo(a)anthracene

Concen: 6.463 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

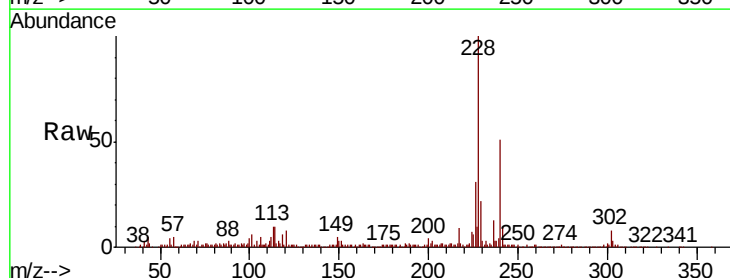
Tgt Ion:228 Resp: 187732

Ion Ratio Lower Upper

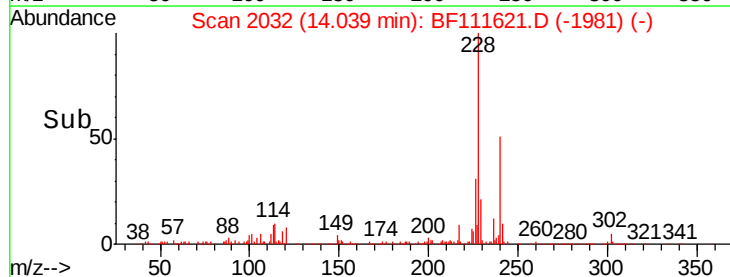
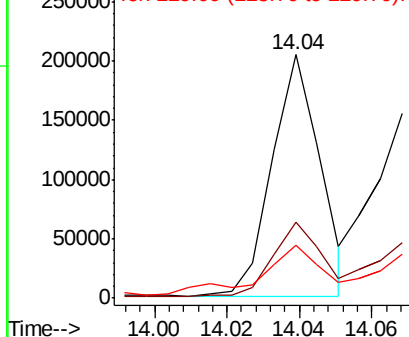
228 100

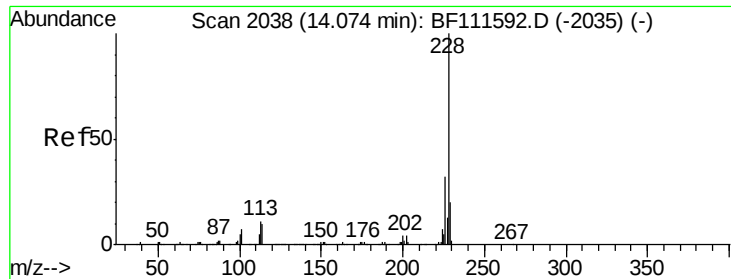
226 31.1 22.6 34.0

229 21.6 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.267 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

Instrument :

BNA_F

ClientSampleId :

SB-05A

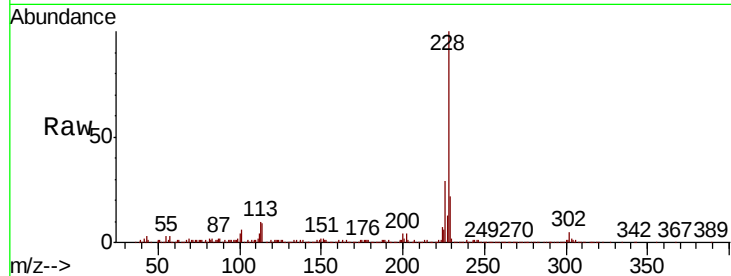
Tgt Ion:228 Resp: 293084

Ion Ratio Lower Upper

228 100

226 29.4 25.3 37.9

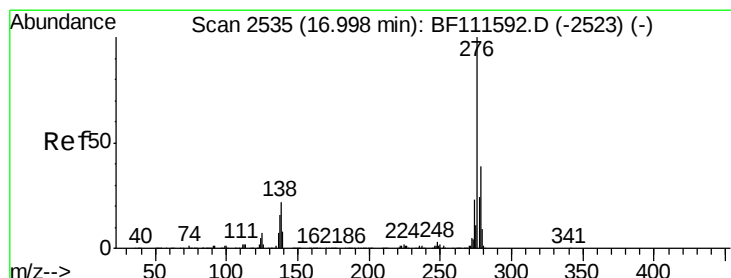
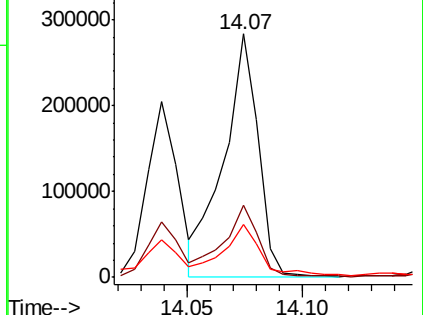
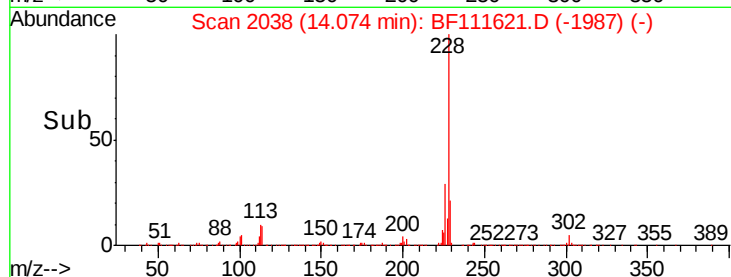
229 21.5 17.2 25.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.565 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.00 min

Lab File: BF111621.D

Acq: 20 Dec 2018 5:31

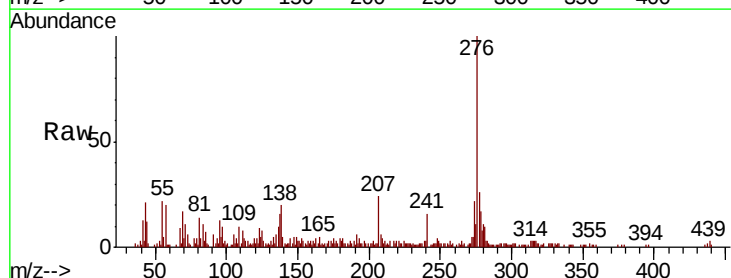
Tgt Ion:276 Resp: 62255

Ion Ratio Lower Upper

276 100

138 21.2 27.8 41.6#

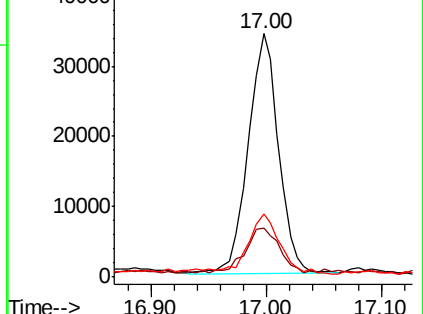
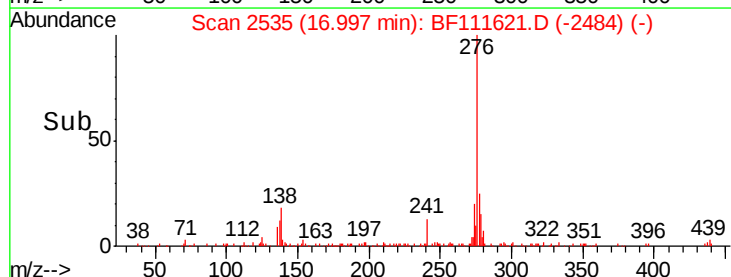
277 27.0 20.1 30.1

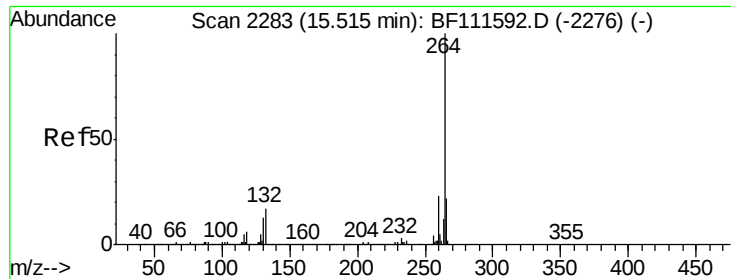


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

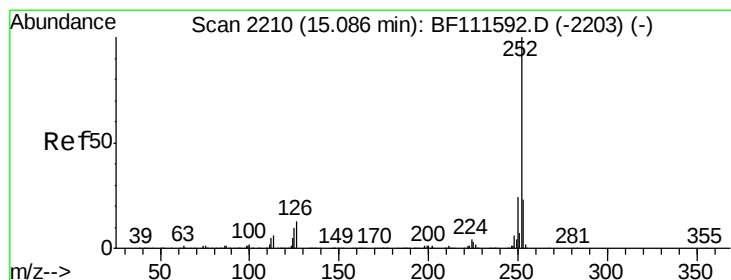
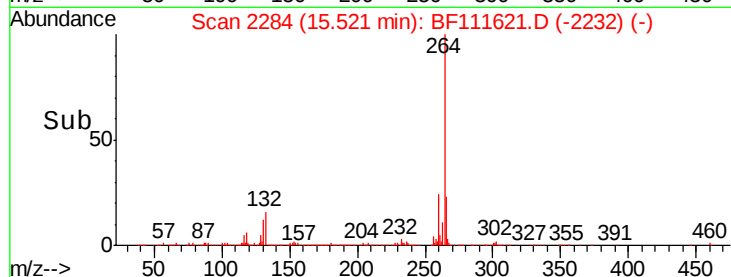
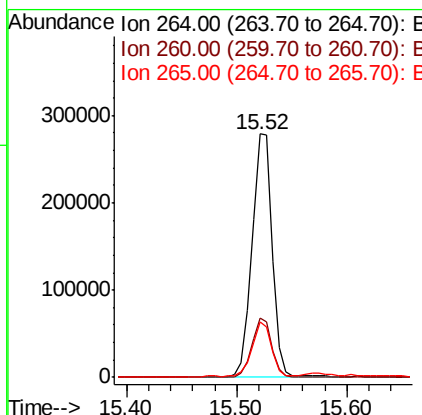
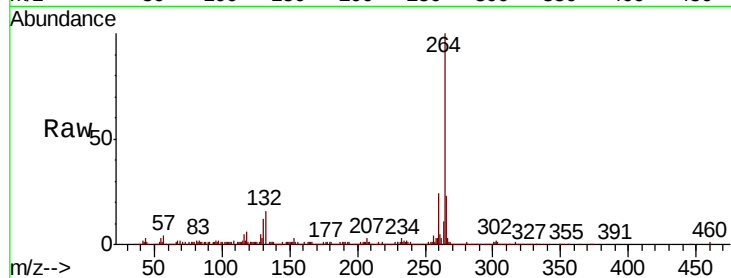




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

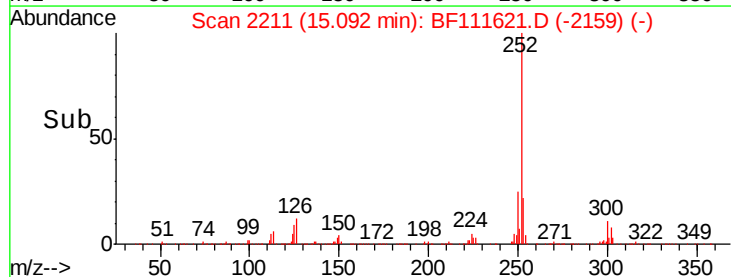
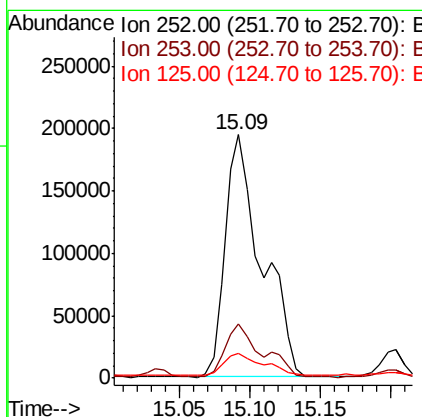
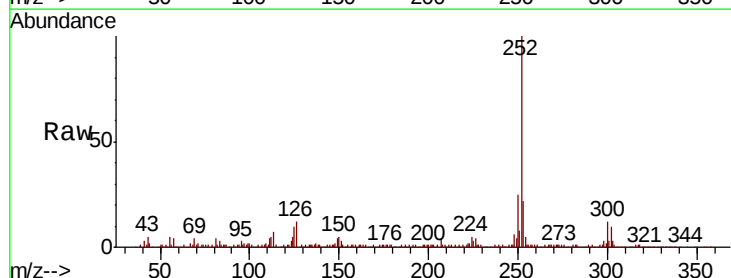
Instrument :
BNA_F
ClientSampleId :
SB-05A

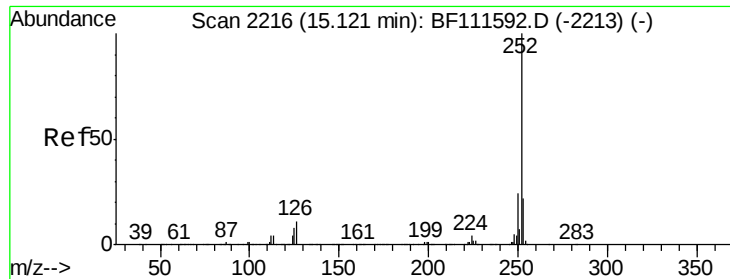
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.3	27.5
265	22.8	17.7	26.5



#88
Benzo(b)fluoranthene
Concen: 16.829 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	10.1	10.4	15.6#

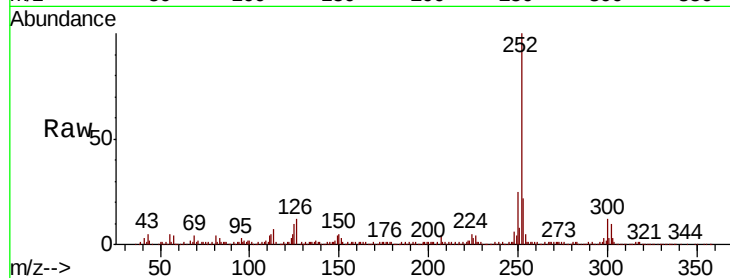




#89
Benzo(k)fluoranthene
Concen: 17.677 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.03 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Instrument :
BNA_F
ClientSampleId :
SB-05A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	10.1	9.8	14.8

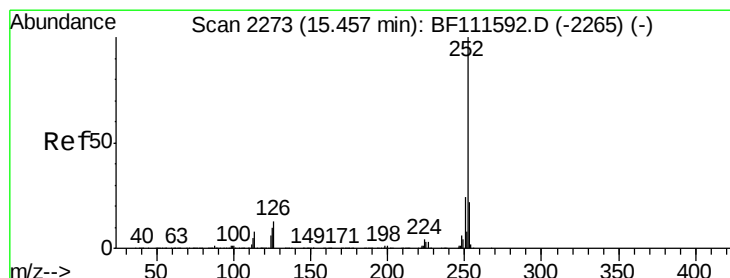
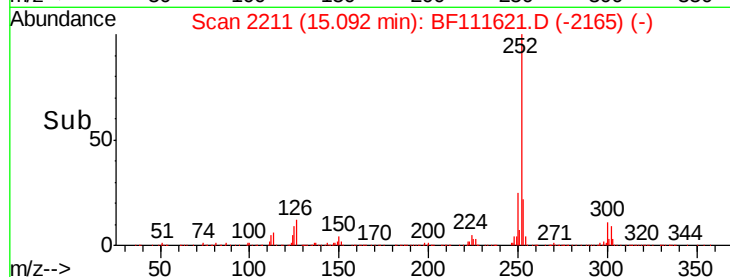
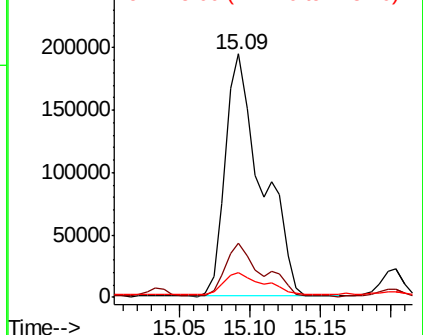


Abundance

Ion 252.00 (251.70 to 252.70): E

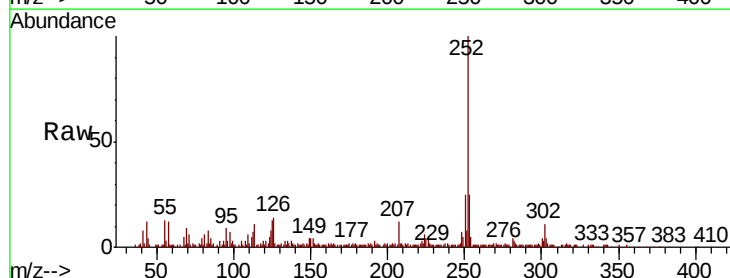
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 4.796 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF111621.D
Acq: 20 Dec 2018 5:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	12.7	12.3	18.5



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

