

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042319\
 Data File : BF113927.D
 Acq On : 23 Apr 2019 18:19
 Operator : JU/SJ
 Sample : K2522-07MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 02:04:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	128591	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	446315	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	198663	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	345096	20.00	ng	0.00
76) Chrysene-d12	14.06	240	361349	20.00	ng	-0.01
87) Perylene-d12	15.56	264	327529	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	906618	120.59	ng	0.01
7) Phenol-d6	6.53	99	1129741	119.77	ng	0.00
23) Nitrobenzene-d5	7.46	82	676759	93.62	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	282062	116.55	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1147912	90.37	ng	0.00
79) Terphenyl-d14	13.00	244	1197783	67.96	ng	0.00

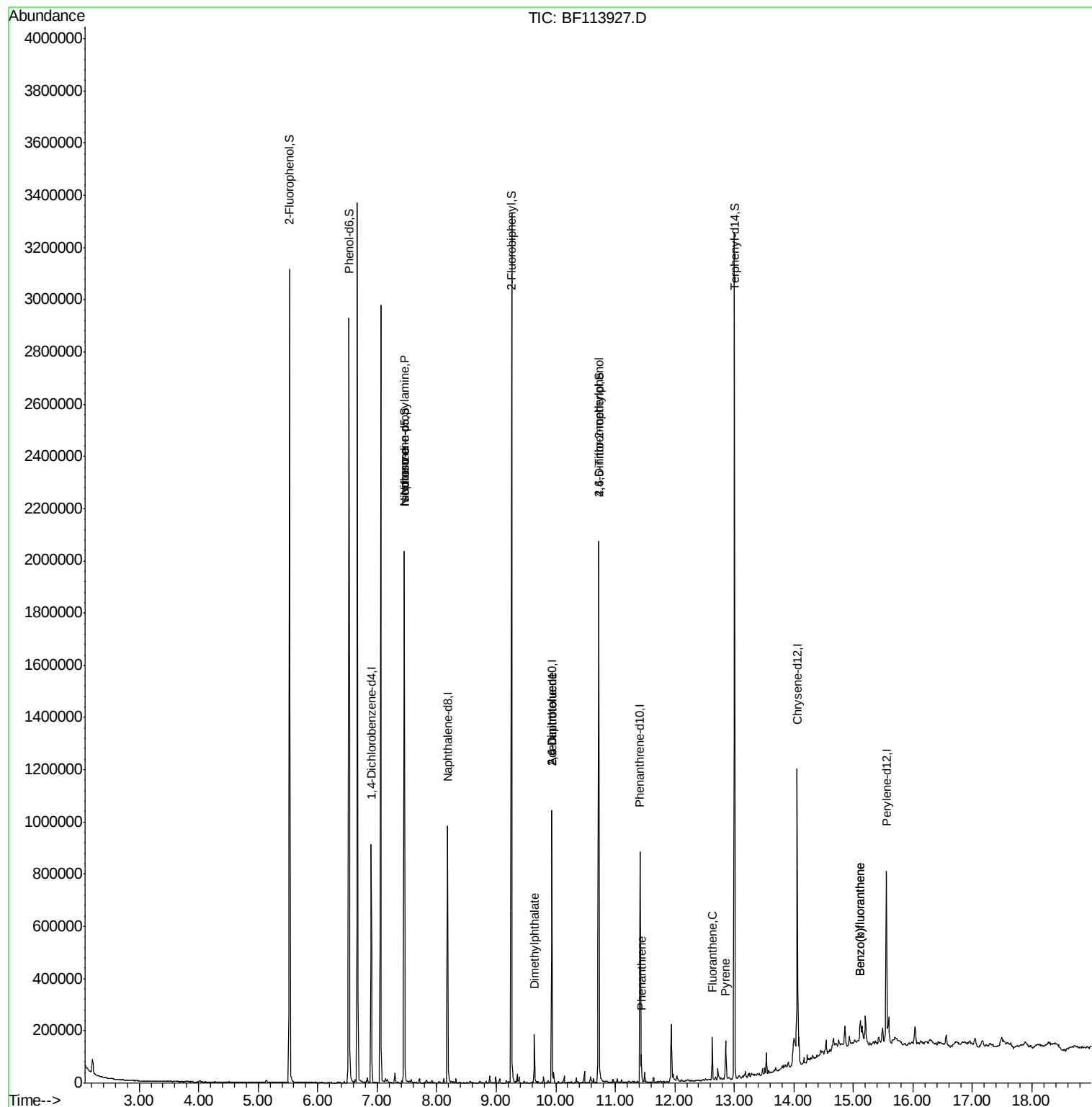
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	840	Below Cal		# 80
19) n-Nitroso-di-n-propylamine	7.46	70	90061	14.743	ng	# 77
25) Isophorone	7.46	82	673740	45.552	ng	# 65
50) Dimethylphthalate	9.64	163	82433	5.737	ng	100
51) 2,6-Dinitrotoluene	9.93	165	25654	8.323	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	25654	6.594	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.72	198	411	7.528	ng	# 1
71) Phenanthrene	11.44	178	36375	2.097	ng	98
75) Fluoranthene	12.63	202	62150	3.285	ng	97
78) Pyrene	12.86	202	57440	2.273	ng	99
88) Benzo(b)fluoranthene	15.12	252	42549	2.053	ng	# 91
89) Benzo(k)fluoranthene	15.12	252	42549	2.387	ng	# 92

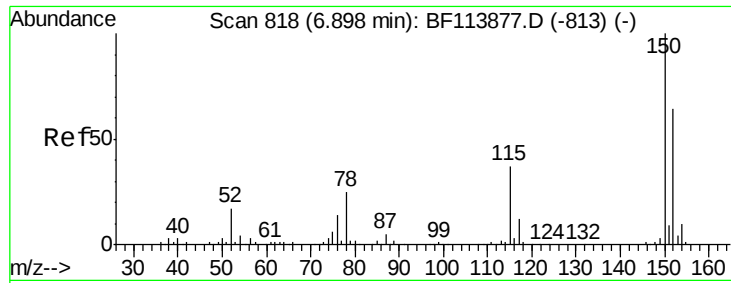
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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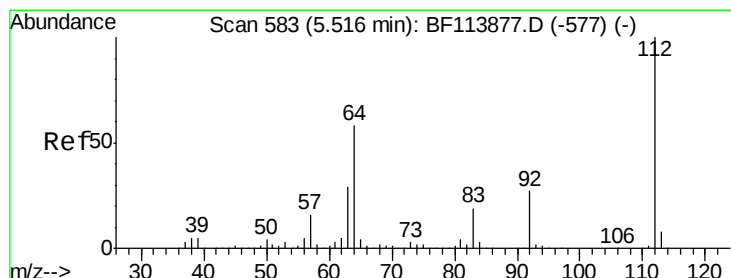
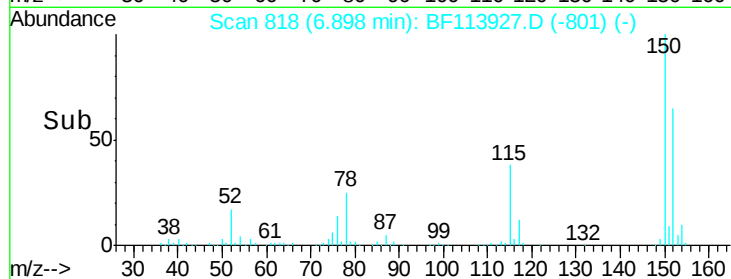
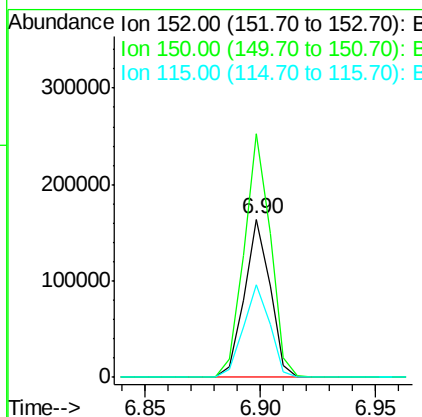
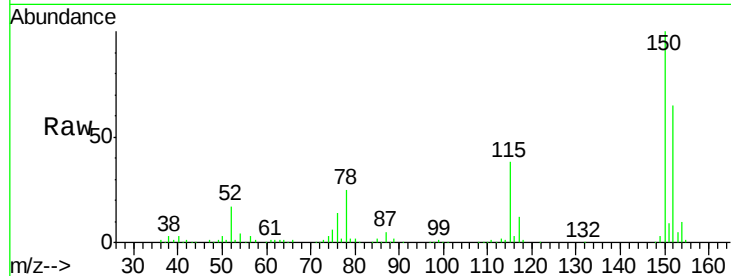




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

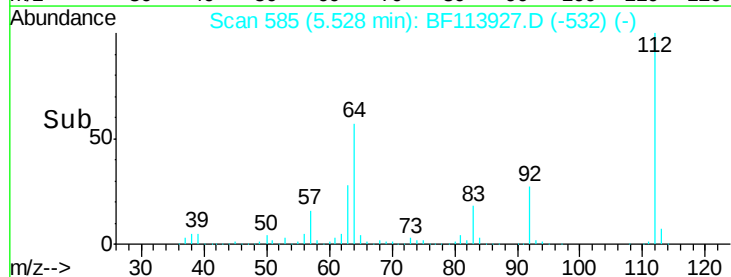
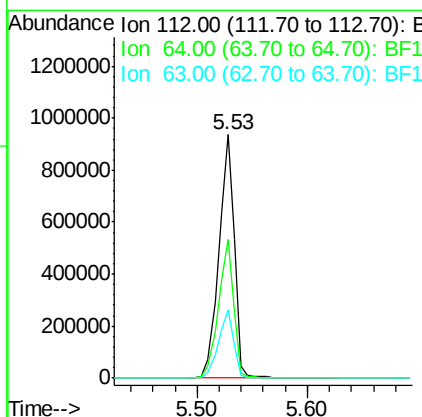
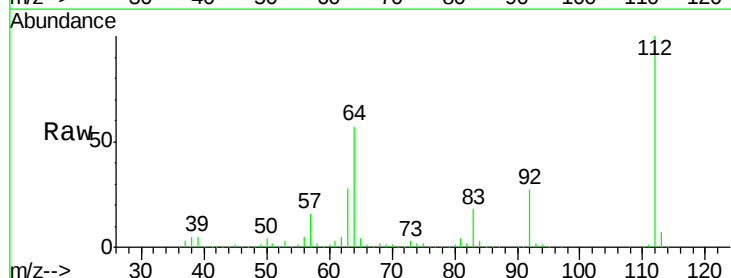
Instrument :
 BNA_F
 ClientSampleId :

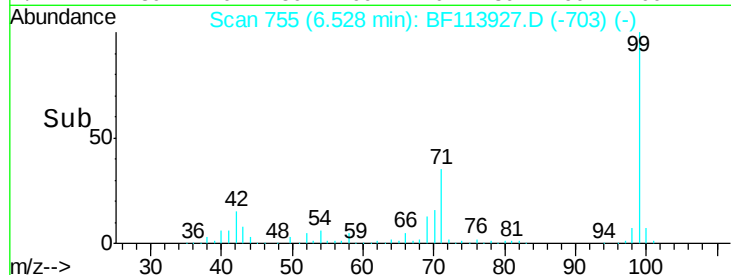
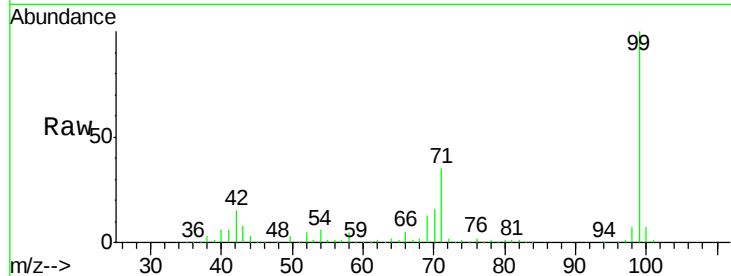
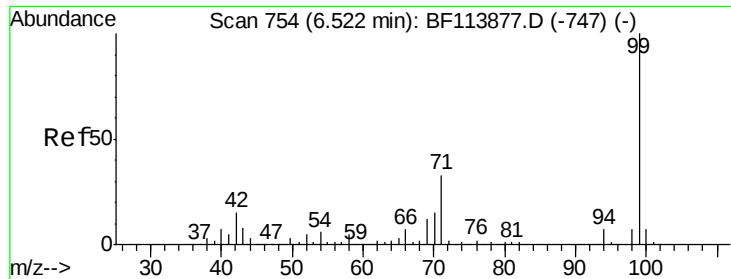
Tot Ion:152 Resp: 128591
 Ion Ratio Lower Upper
 152 100
 150 154.2 125.9 188.9
 115 58.5 45.9 68.9



#5
 2-Fluorophenol
 Concen: 120.587 ng
 RT: 5.53 min Scan# 585
 Delta R.T. 0.01 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

Tgt Ion:112 Resp: 906618
 Ion Ratio Lower Upper
 112 100
 64 56.7 46.6 69.8
 63 28.0 23.1 34.7





#7

Phenol-d6

Concen: 119.769 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

Instrument :

BNA_F

ClientSampled :

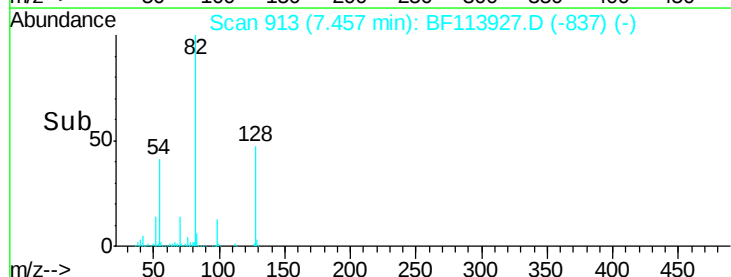
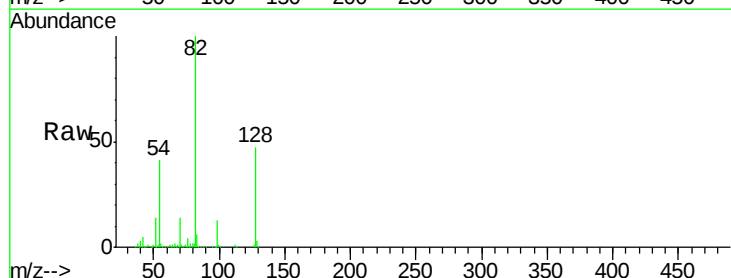
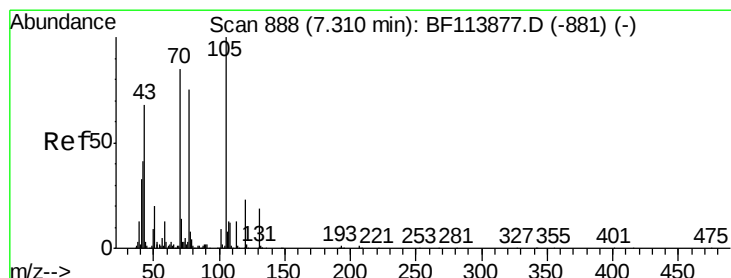
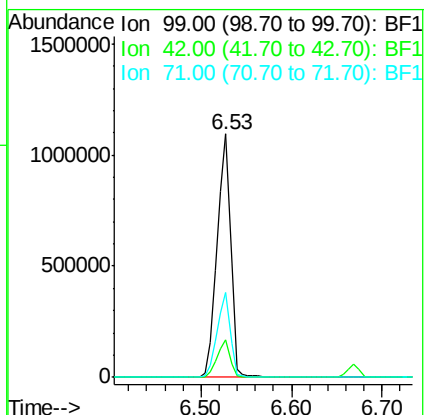
Tot Ion: 99 Resp: 1129741

Ion Ratio Lower Upper

99 100

42 15.5 12.5 18.7

71 34.7 26.9 40.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.743 ng

RT: 7.46 min Scan# 913

Delta R.T. 0.15 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

Tgt Ion: 70 Resp: 90061

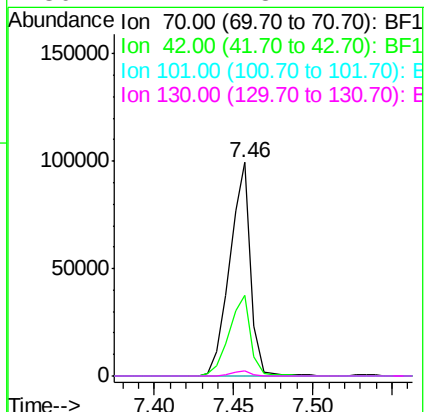
Ion Ratio Lower Upper

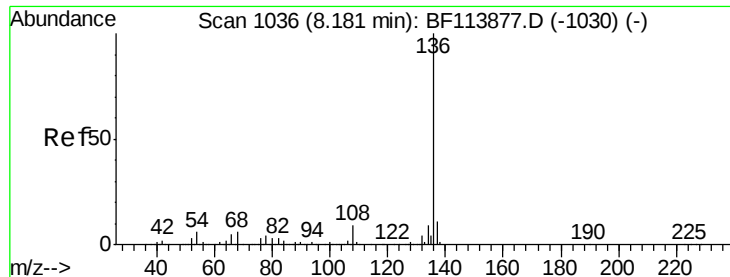
70 100

42 37.6 37.3 55.9

101 0.0 7.8 11.8#

130 2.4 18.2 27.2#

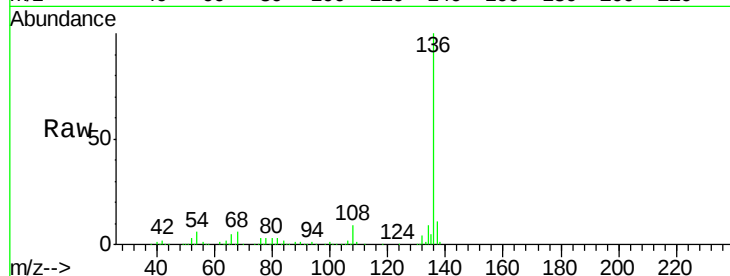




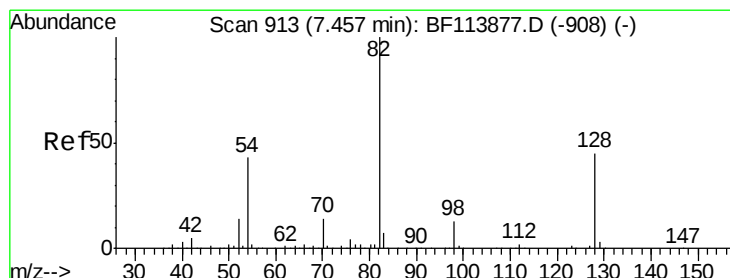
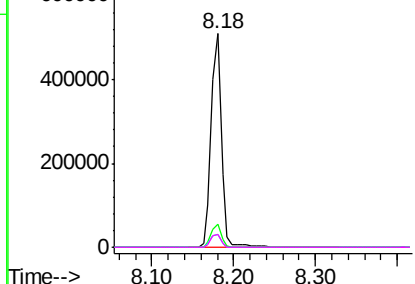
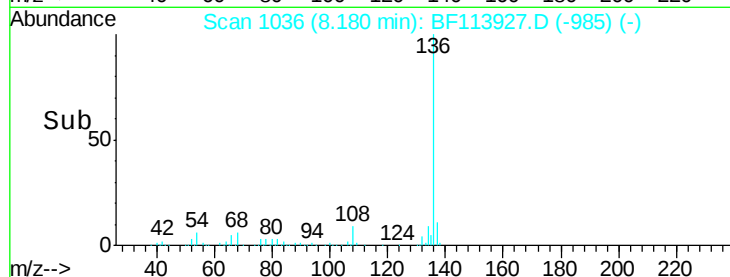
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF113927.D
Acq: 23 Apr 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	446315
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 12.8
54	6.2	5.0 7.6
68	6.0	4.9 7.3

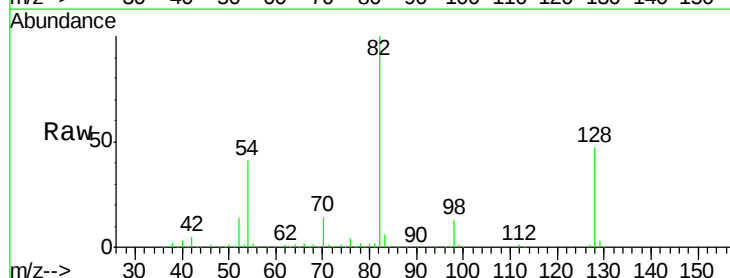


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

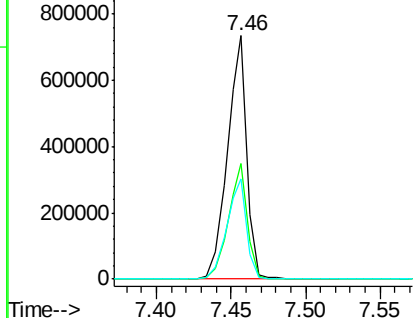
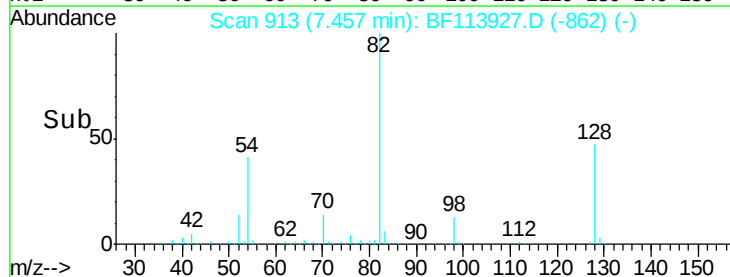


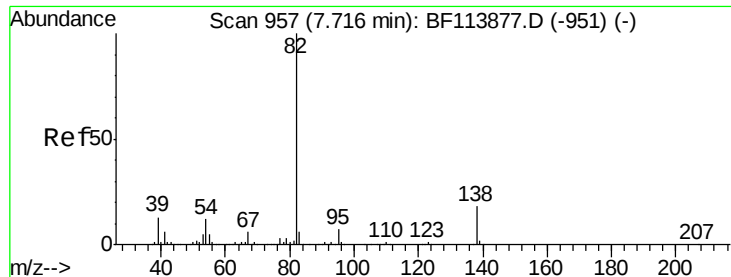
#23
Nitrobenzene-d5
Concen: 93.624 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF113927.D
Acq: 23 Apr 2019 18:19

Tgt Ion: 82	Resp:	676759
Ion	Ratio	Lower Upper
82	100	
128	47.3	36.8 55.2
54	41.1	33.8 50.6



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: 45.552 ng

RT: 7.46 min Scan# 913

Delta R.T. -0.26 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

Instrument :

BNA_F

ClientSampled :

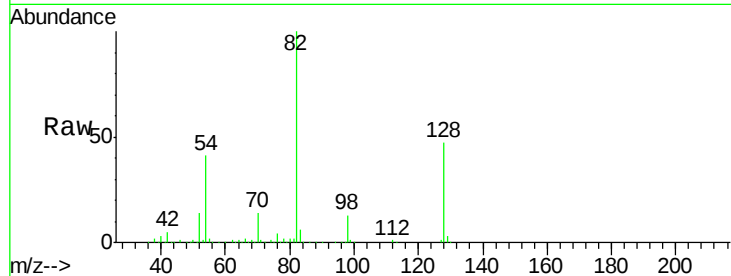
Tot Ion: 82 Resp: 673740

Ion Ratio Lower Upper

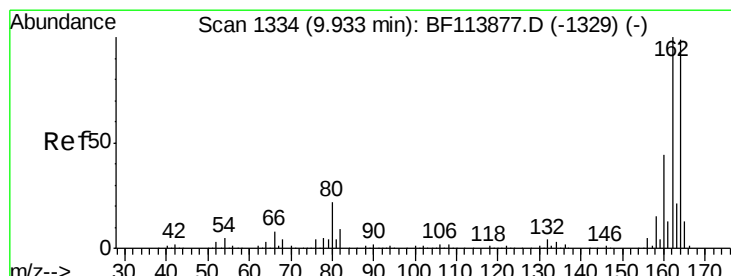
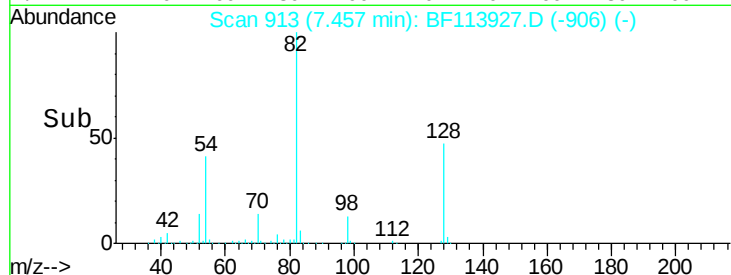
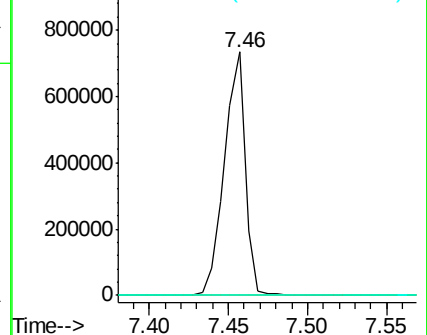
82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

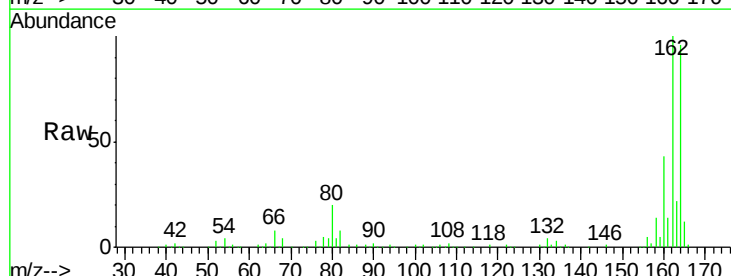
Tgt Ion:164 Resp: 198663

Ion Ratio Lower Upper

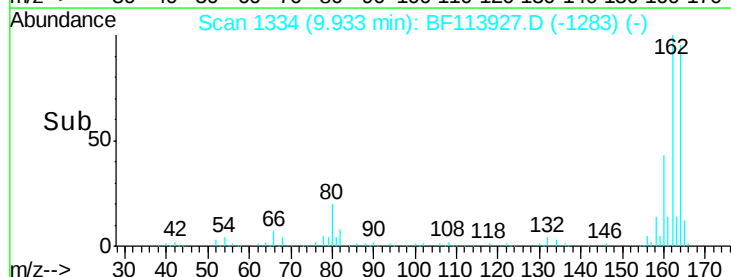
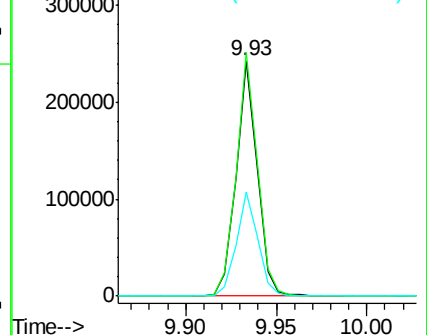
164 100

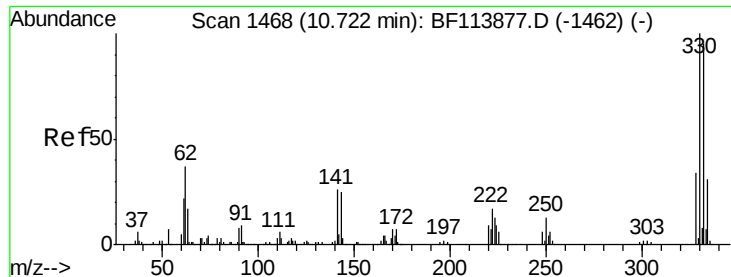
162 103.7 81.1 121.7

160 44.5 35.8 53.6



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

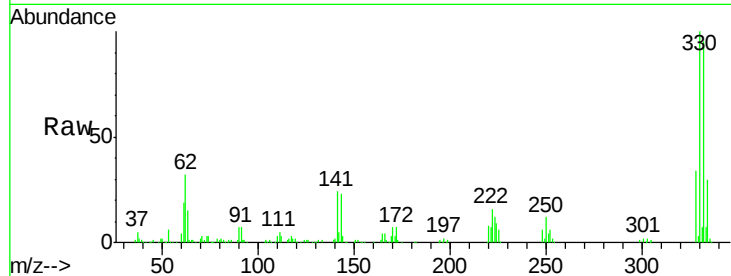




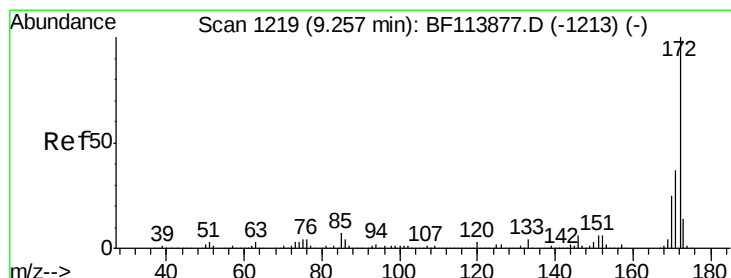
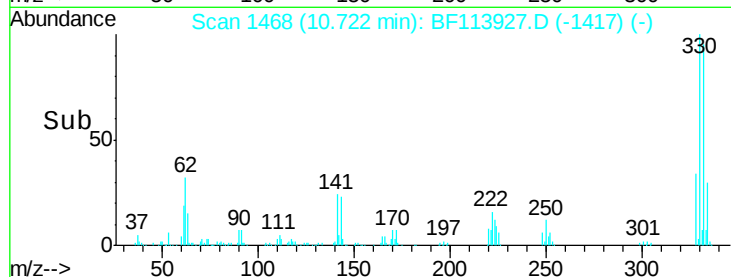
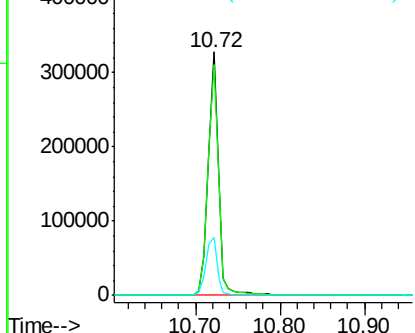
#42
 2,4,6-Tribromophenol
 Concen: 116.549 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 282062
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.5 116.3
 141 26.2 22.2 33.2

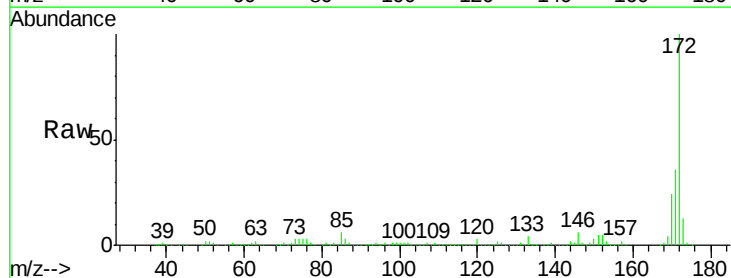


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

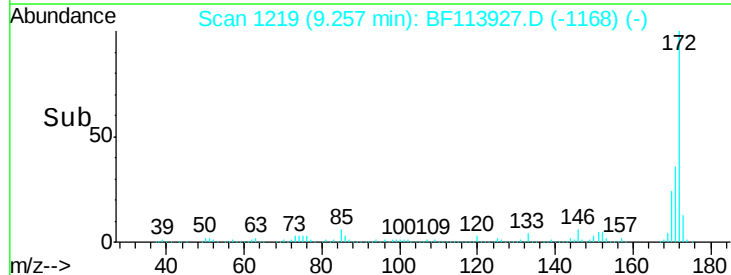
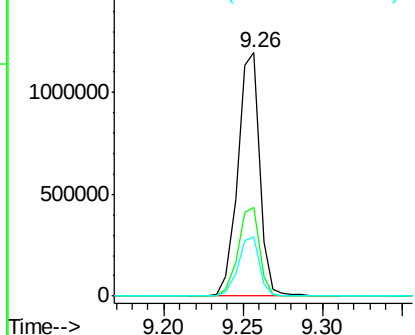


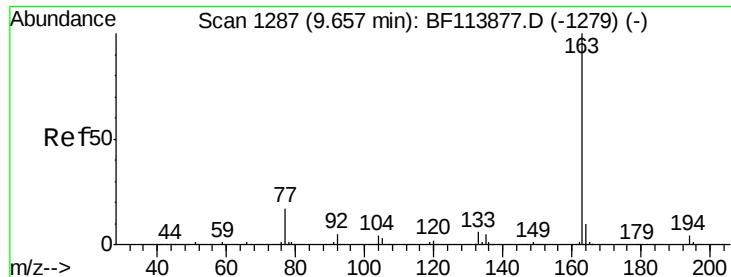
#45
 2-Fluorobiphenyl
 Concen: 90.372 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

Tgt Ion:172 Resp: 1147912
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.1 19.9 29.9



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

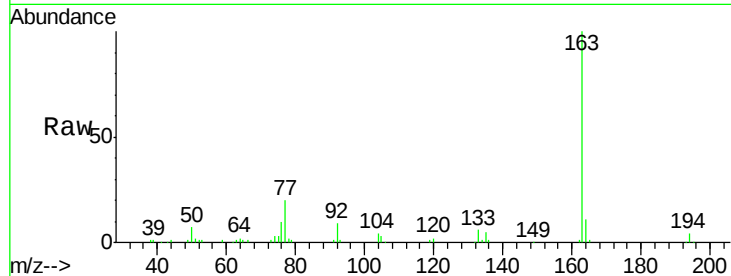




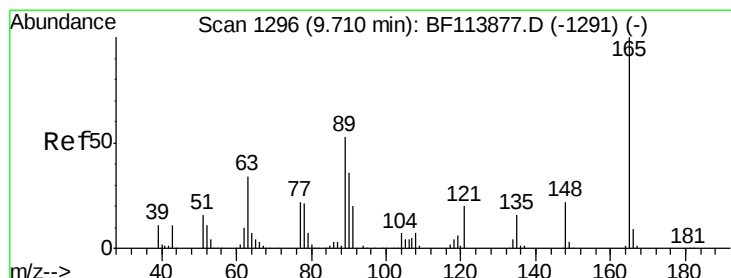
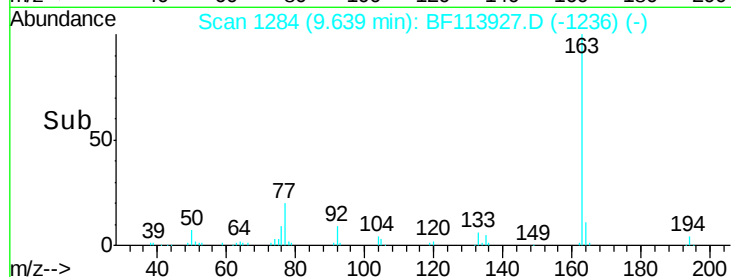
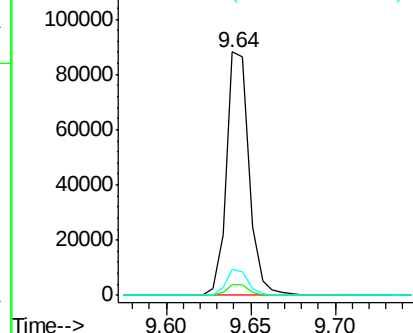
#50
Dimethylphthalate
Concen: 5.737 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF113927.D
Acq: 23 Apr 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 82433
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.6 8.5 12.7

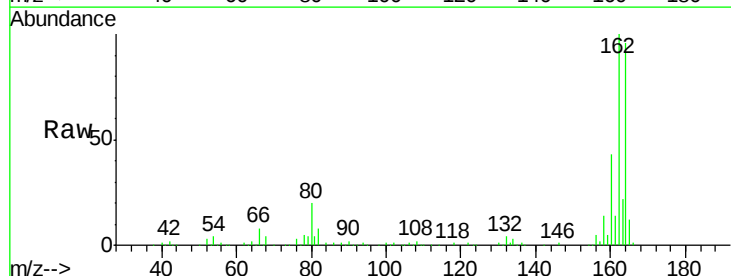


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

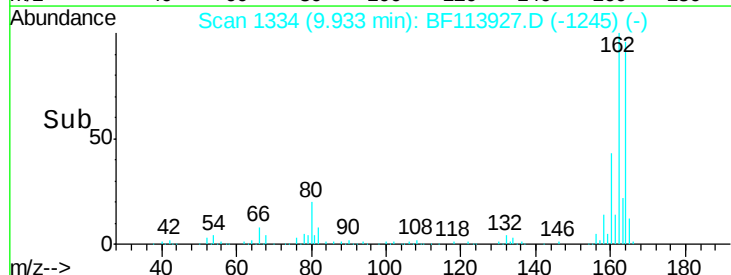
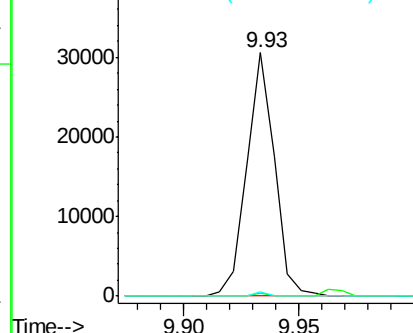


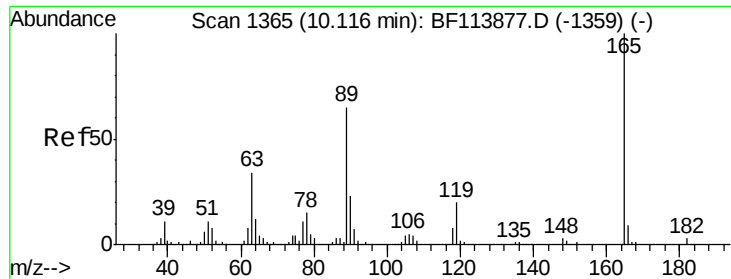
#51
2,6-Dinitrotoluene
Concen: 8.323 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF113927.D
Acq: 23 Apr 2019 18:19

Tgt Ion:165 Resp: 25654
Ion Ratio Lower Upper
165 100
63 1.5 33.8 50.8#
89 1.6 38.2 57.2#



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

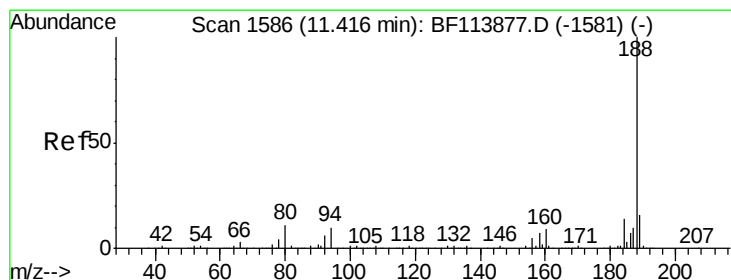
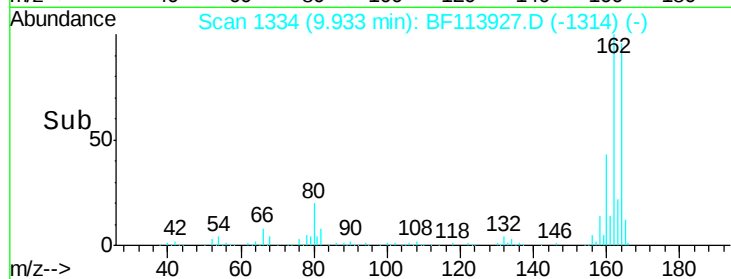
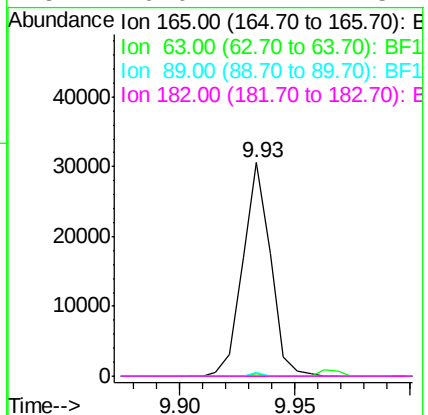
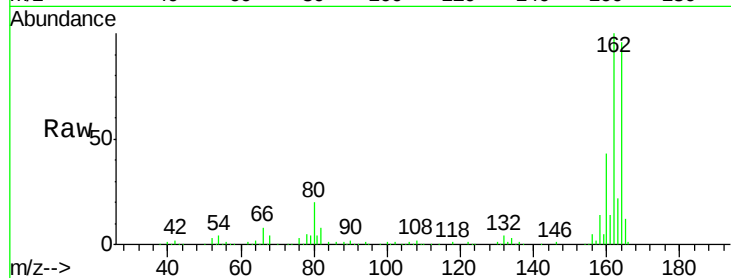




#57
 2,4-Dinitrotoluene
 Concen: 6.594 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.18 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

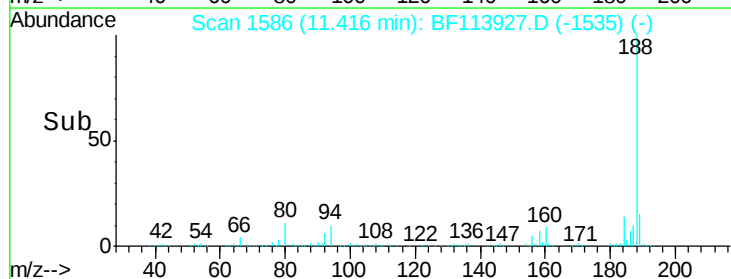
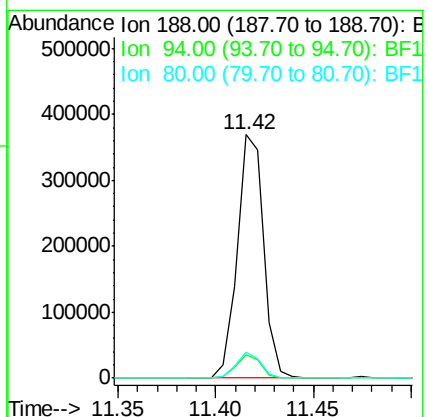
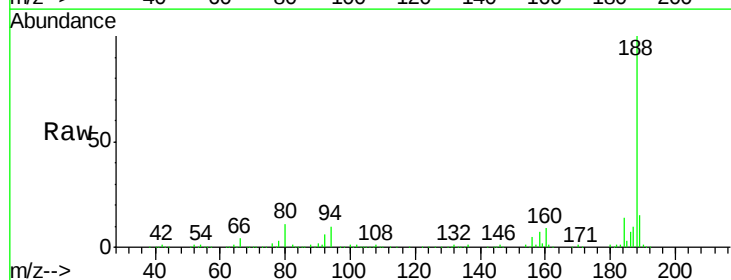
Instrument :
 BNA_F
 ClientSampleId :

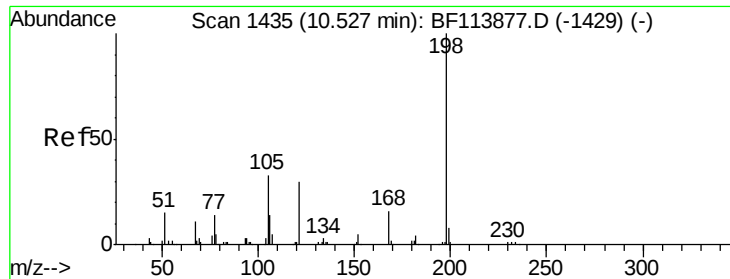
Tot Ion:165 Resp: 25654
 Ion Ratio Lower Upper
 165 100
 63 1.5 27.4 41.0#
 89 1.6 51.8 77.6#
 182 0.0 2.2 3.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

Tgt Ion:188 Resp: 345096
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.4
 80 10.8 9.0 13.6

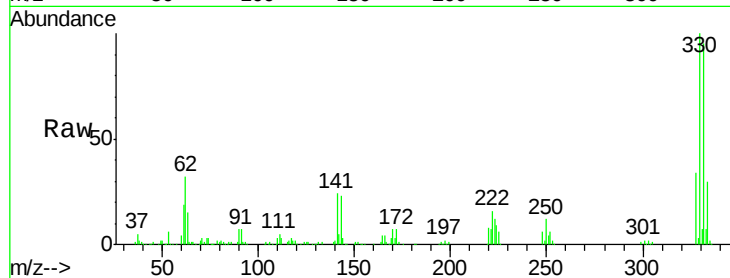




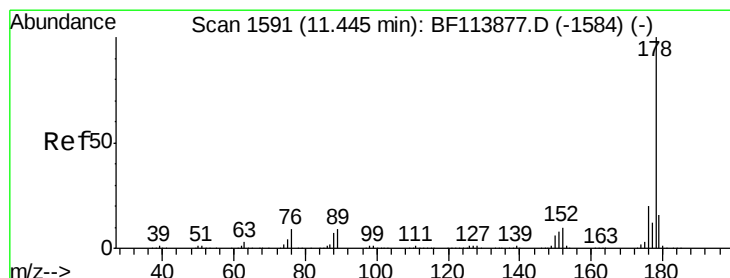
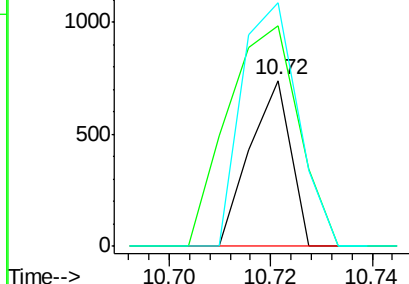
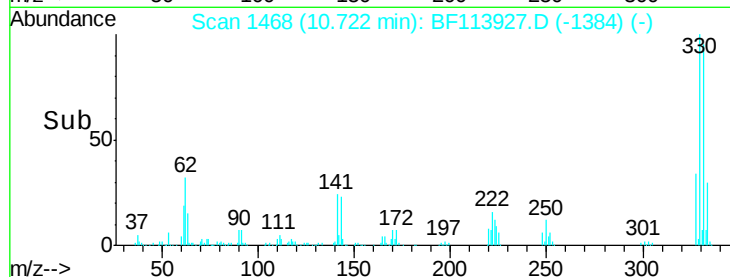
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.528 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.19 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 411
 Ion Ratio Lower Upper
 198 100
 51 133.5 11.1 51.1#
 105 147.2 20.7 60.7#

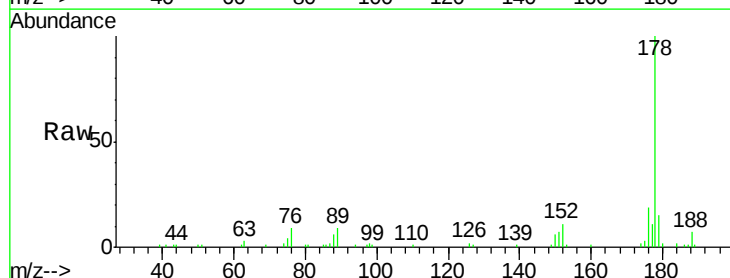


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

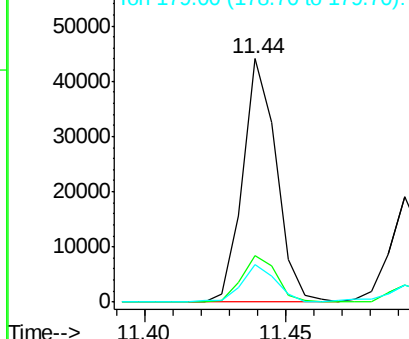
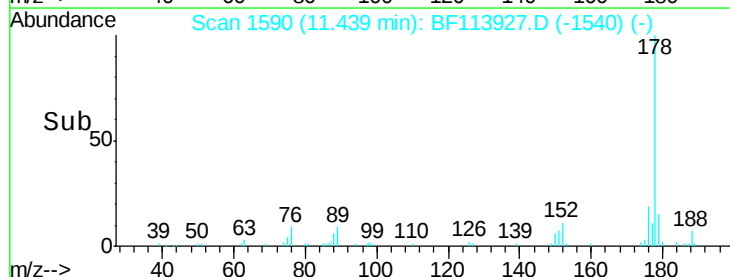


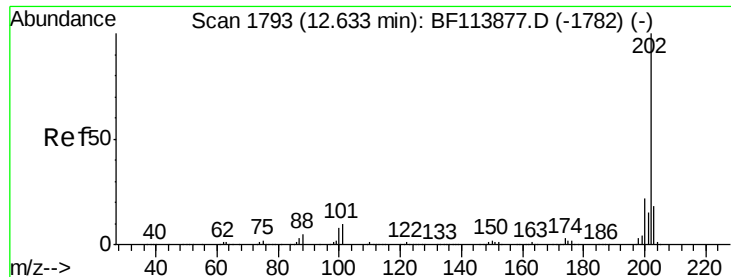
#71
 Phenanthrene
 Concen: 2.097 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113927.D
 Acq: 23 Apr 2019 18:19

Tgt Ion:178 Resp: 36375
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.1 24.1
 179 15.3 12.8 19.2



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





#75

Fluoranthene

Concen: 3.285 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

Instrument :

BNA_F

ClientSampleId :

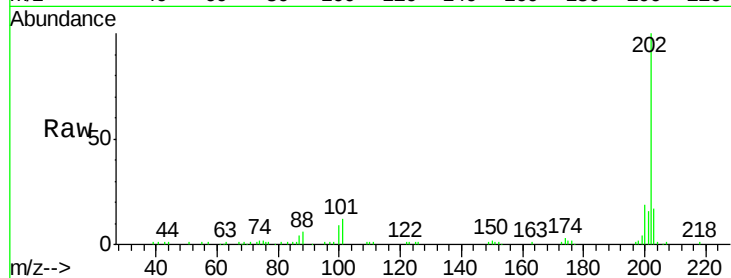
Tot Ion:202 Resp: 62150

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.9

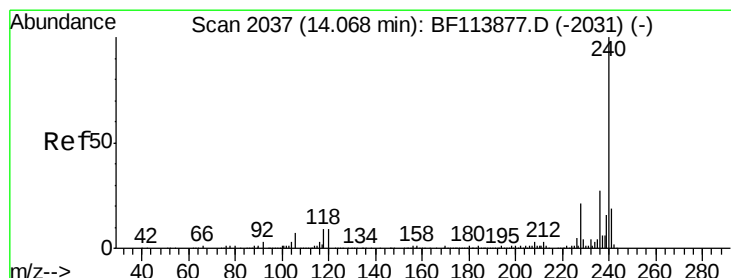
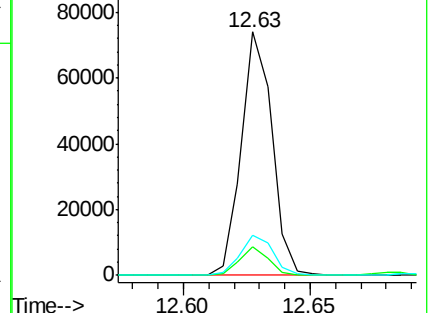
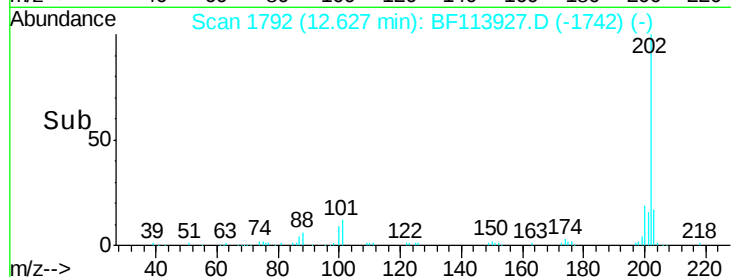
203 16.6 0.0 38.2



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: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

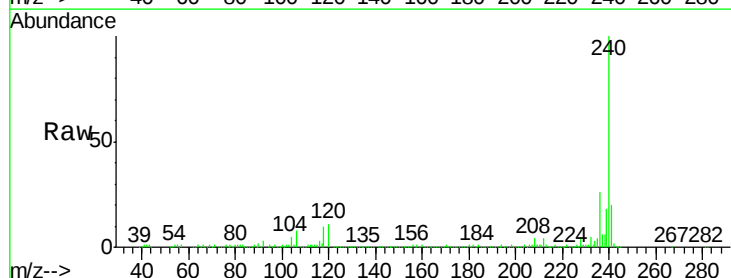
Tgt Ion:240 Resp: 361349

Ion Ratio Lower Upper

240 100

120 11.4 9.3 13.9

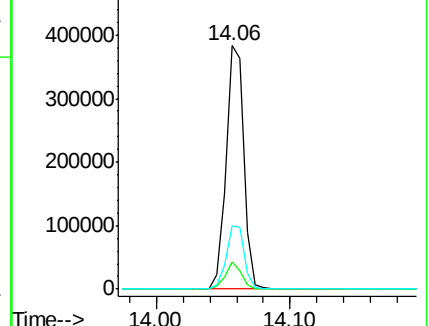
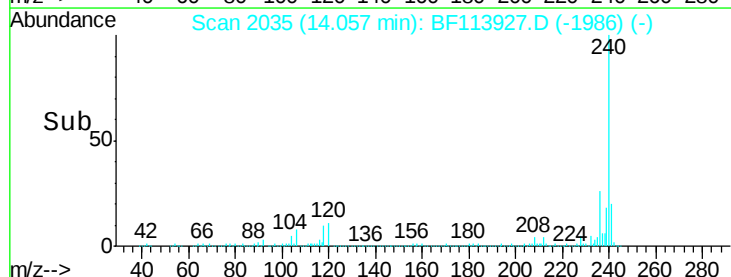
236 25.8 21.2 31.8

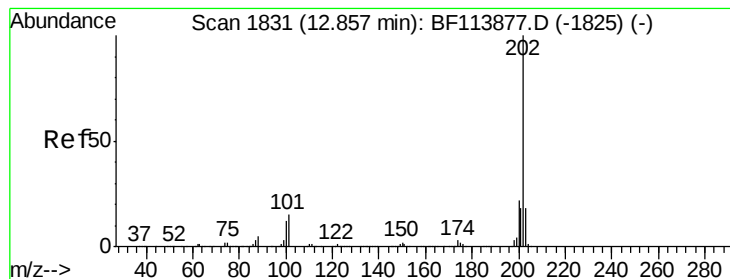


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.273 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

Instrument :

BNA_F

ClientSampleId :

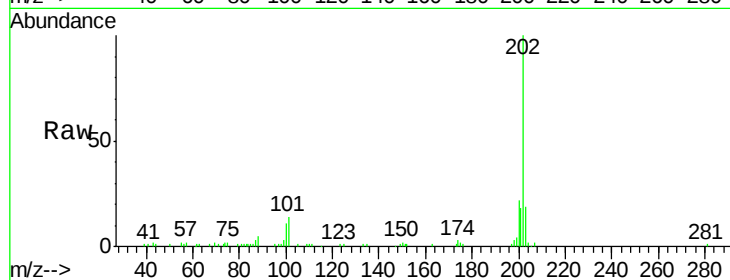
Tot Ion:202 Resp: 57440

Ion Ratio Lower Upper

202 100

200 21.6 17.7 26.5

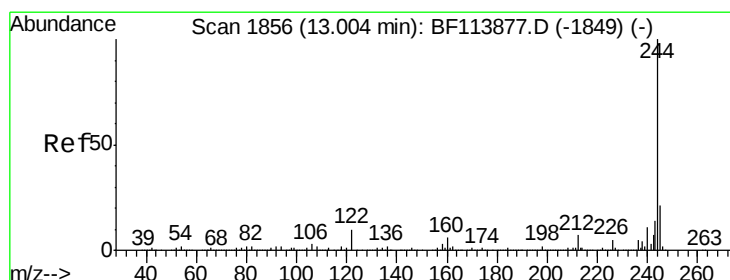
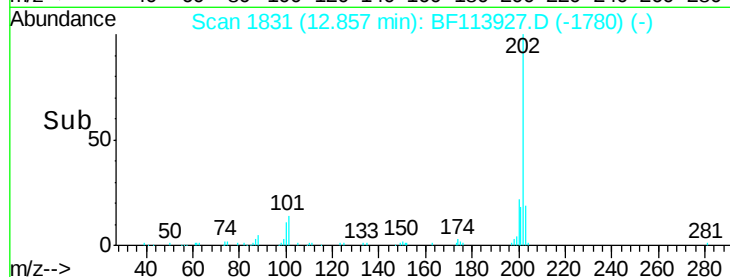
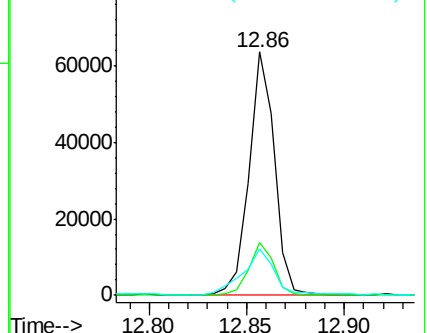
203 19.2 15.0 22.6



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



#79

Terphenyl-d14

Concen: 67.957 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.00 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

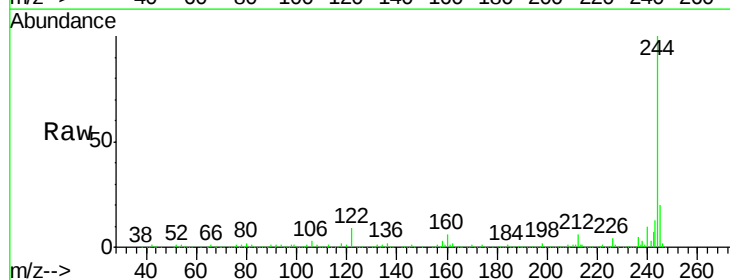
Tgt Ion:244 Resp: 1197783

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

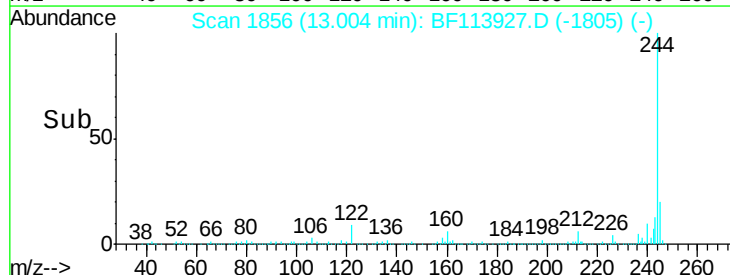
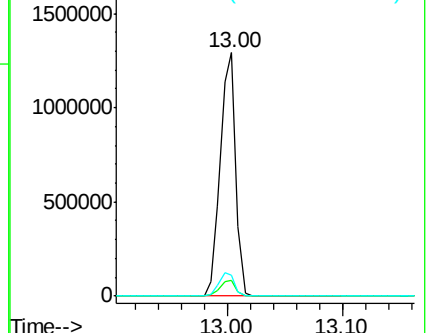
122 8.8 7.6 11.4

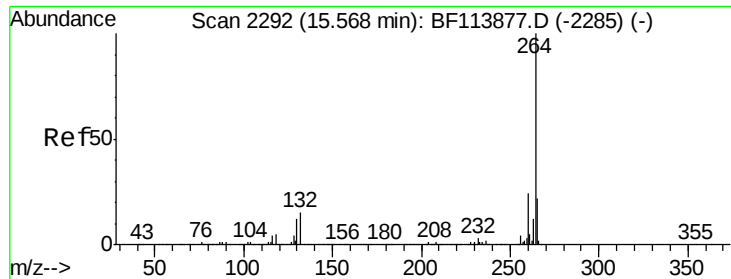


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

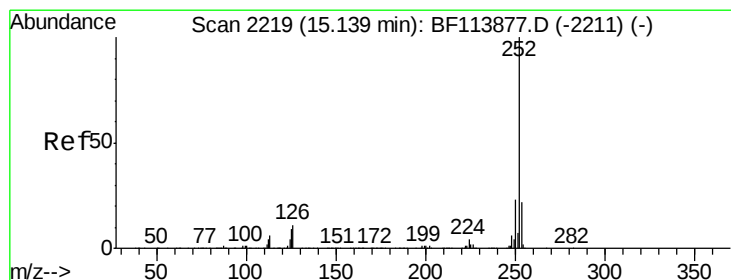
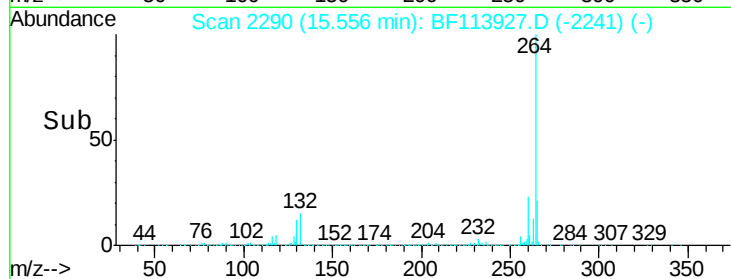
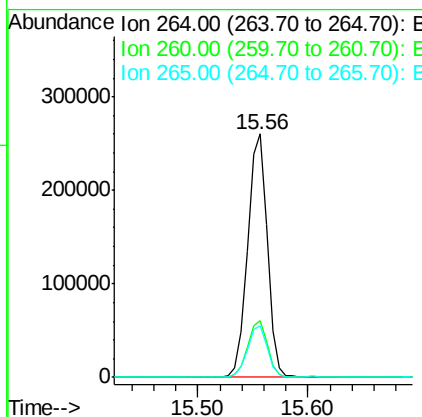
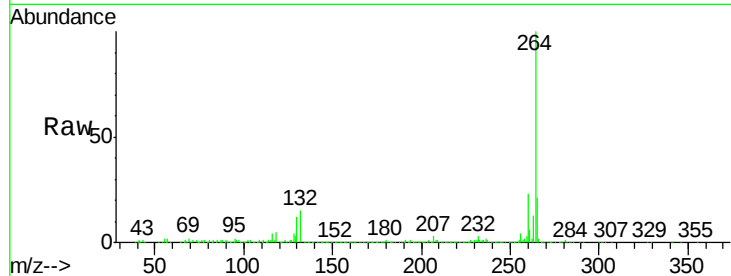




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF113927.D
Acq: 23 Apr 2019 18:19

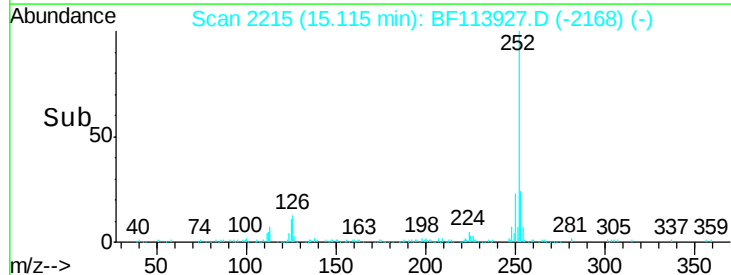
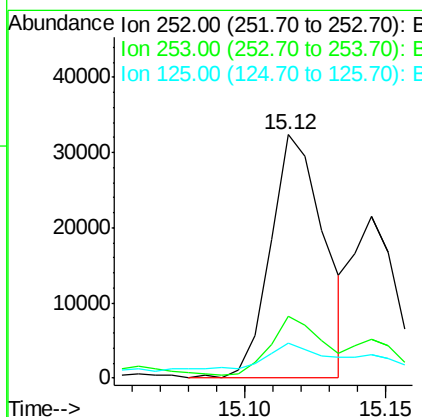
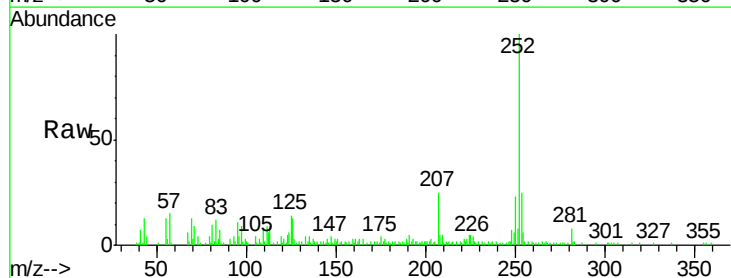
Instrument :
BNA_F
ClientSampleId :

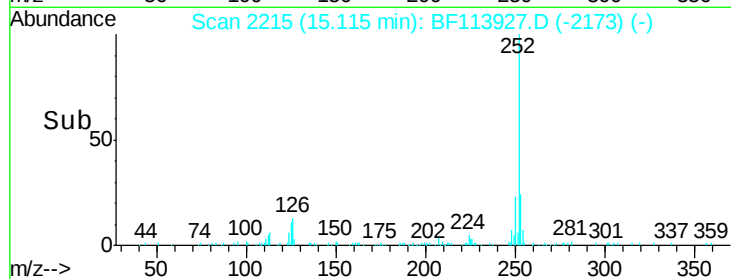
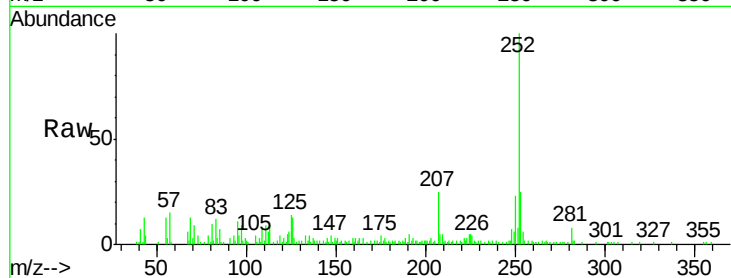
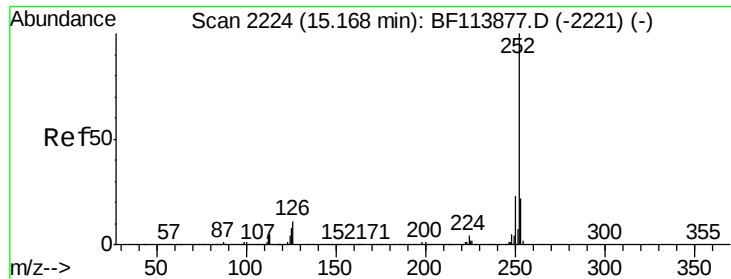
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.1	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 2.053 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF113927.D
Acq: 23 Apr 2019 18:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	14.1	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 2.387 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.05 min

Lab File: BF113927.D

Acq: 23 Apr 2019 18:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 42549

Ion Ratio Lower Upper

252 100

253 25.5 18.2 27.2

125 14.1 7.4 11.2#

