

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\
 Data File : BF113600.D
 Acq On : 4 Apr 2019 23:29
 Operator : JU/SJ
 Sample : K2232-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 01:33:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	142284	20.00	ng	0.00
21) Naphthalene-d8	7.96	136	524028	20.00	ng	0.00
39) Acenaphthene-d10	9.71	164	234764	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	400235	20.00	ng	-0.02
76) Chrysene-d12	13.82	240	347810	20.00	ng	-0.02
87) Perylene-d12	15.23	264	258795	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	46148	5.53	ng	0.00
7) Phenol-d6	6.33	99	588314	57.21	ng	-0.01
23) Nitrobenzene-d5	7.25	82	571315	63.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	113	0.04	ng	0.00
45) 2-Fluorobiphenyl	9.04	172	1094761	75.07	ng	-0.01
79) Terphenyl-d14	12.77	244	978545	57.28	ng	-0.02

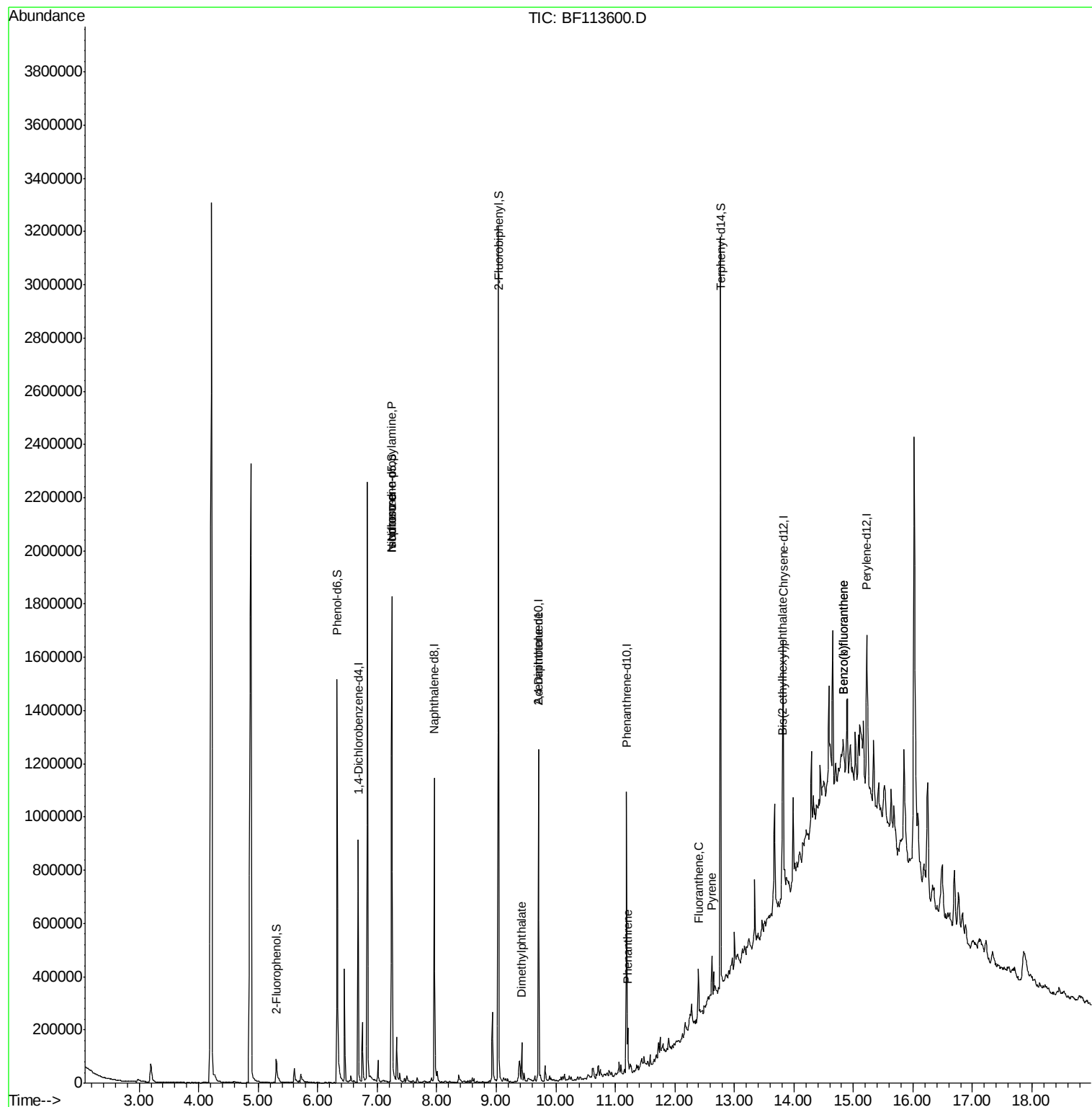
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	75318	11.877	ng	# 77
25) Isophorone	7.25	82	571303	33.150	ng	# 64
50) Dimethylphthalate	9.43	163	62253	3.597	ng	97
57) 2,4-Dinitrotoluene	9.71	165	29792	6.458	ng	# 23
71) Phenanthrene	11.21	178	60263	3.030	ng	99
75) Fluoranthene	12.40	202	78373	3.678	ng	99
78) Pyrene	12.62	202	66791	2.524	ng	97
84) Bis(2-ethylhexyl)phthalate	13.80	149	83106	6.381	ng	# 97
88) Benzo(b)fluoranthene	14.83	252	39626	2.501	ng	# 39
89) Benzo(k)fluoranthene	14.83	252	39626	2.787	ng	# 38

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

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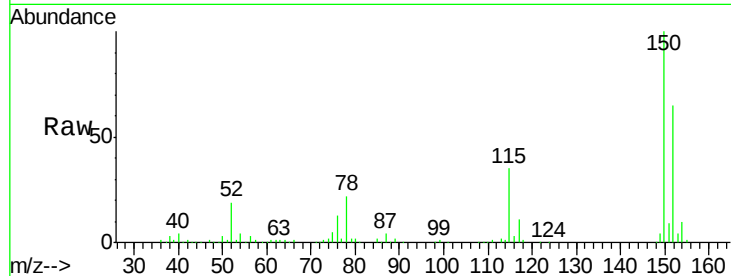


#1

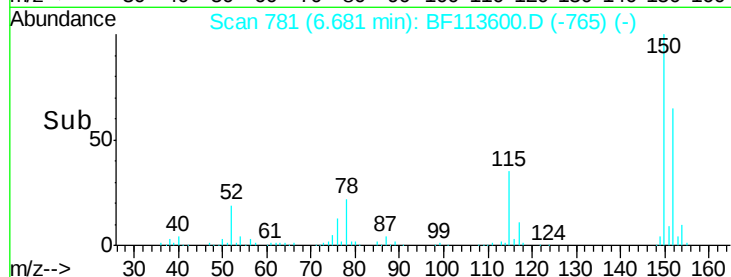
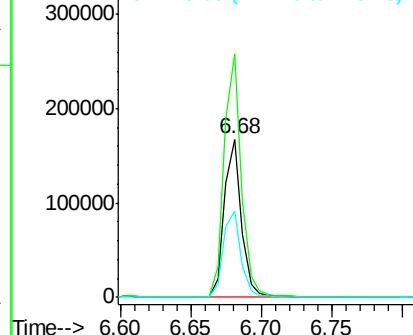
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF113600.D
Acq: 4 Apr 2019 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 142284
Ion Ratio Lower Upper
152 100
150 154.2 124.7 187.1
115 54.4 46.0 69.0



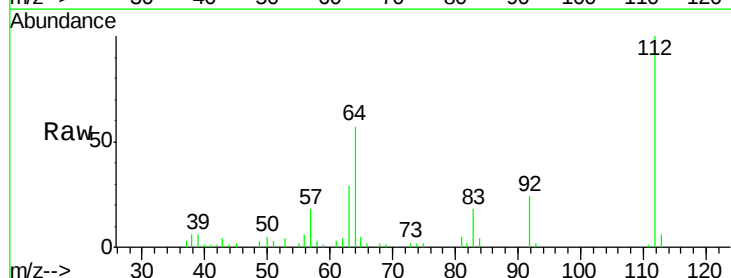
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



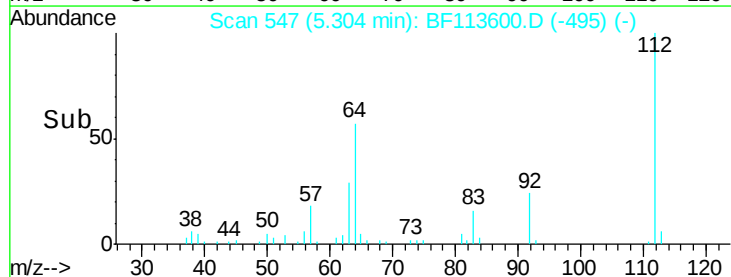
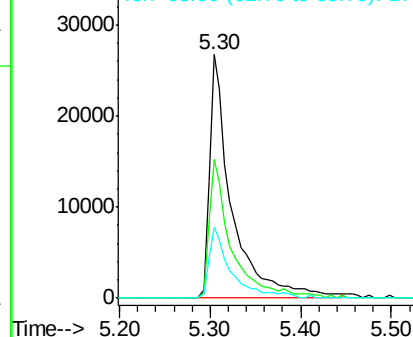
#5

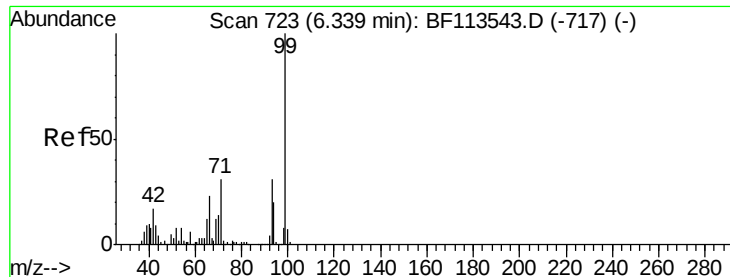
2-Fluorophenol
Concen: 5.531 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF113600.D
Acq: 4 Apr 2019 23:29

Tgt Ion:112 Resp: 46148
Ion Ratio Lower Upper
112 100
64 57.0 49.2 73.8
63 29.2 24.9 37.3



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: 57.207 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

Instrument :

BNA_F

ClientSampleId :

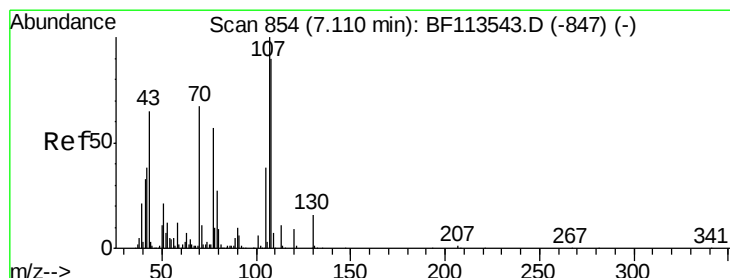
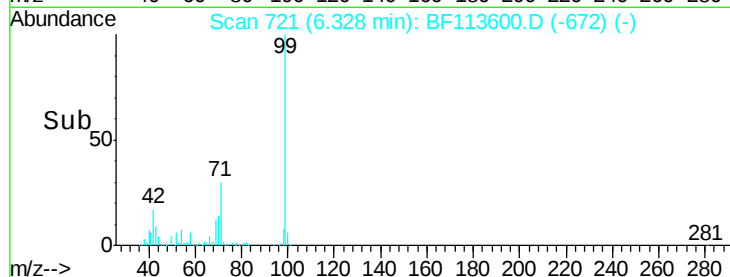
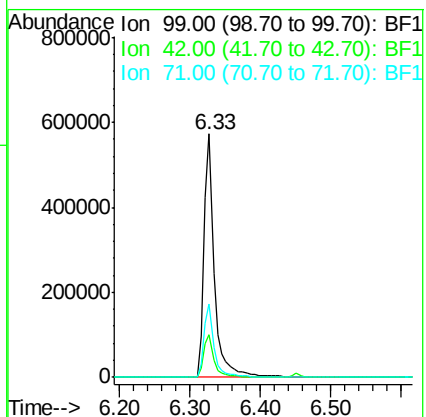
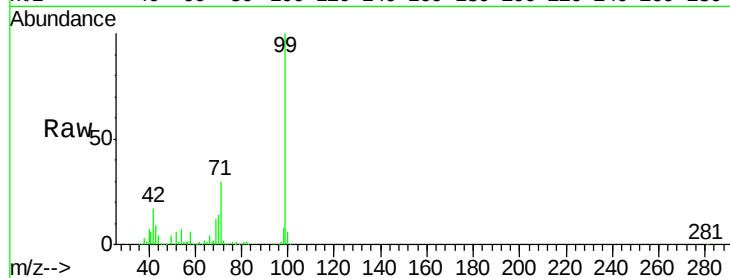
Tot Ion: 99 Resp: 588314

Ion Ratio Lower Upper

99 100

42 17.4 14.8 22.2

71 29.9 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.877 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

Tgt Ion: 70 Resp: 75318

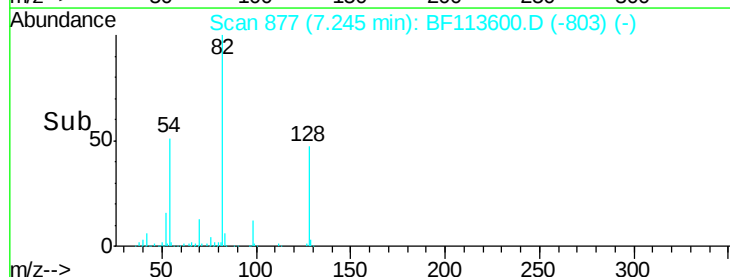
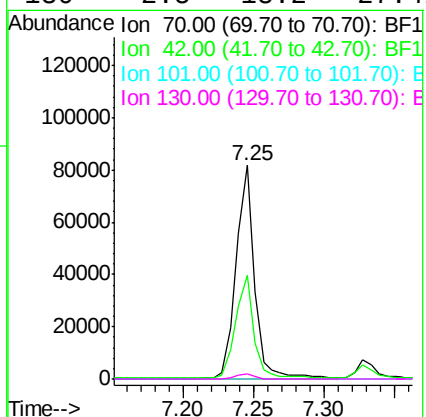
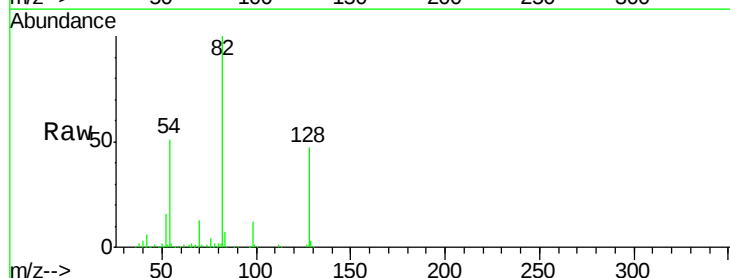
Ion Ratio Lower Upper

70 100

42 48.6 48.4 72.6

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 524028

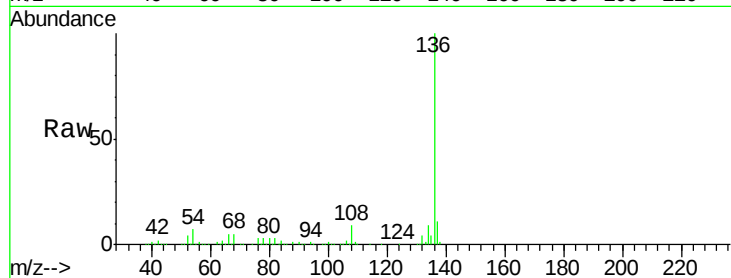
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.5 7.0 10.6

68 5.5 4.8 7.2

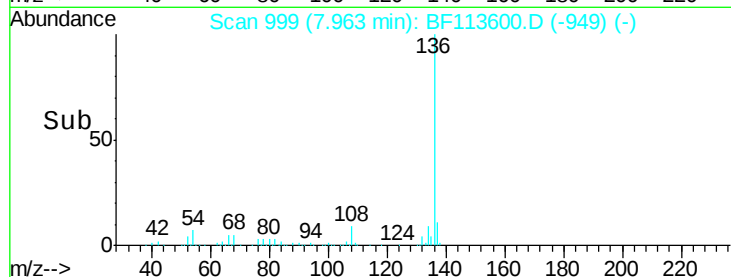


Abundance Ion 136.00 (135.70 to 136.70): E

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



Abundance

800000

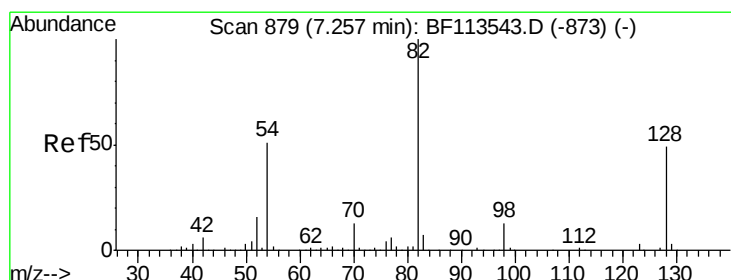
600000

400000

200000

0

Time-->



#23

Nitrobenzene-d5

Concen: 63.861 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

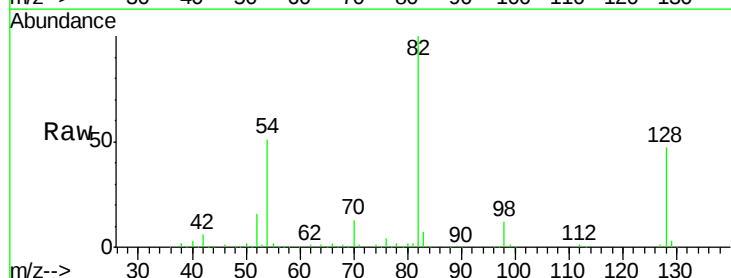
Tgt Ion: 82 Resp: 571315

Ion Ratio Lower Upper

82 100

128 47.2 36.5 54.7

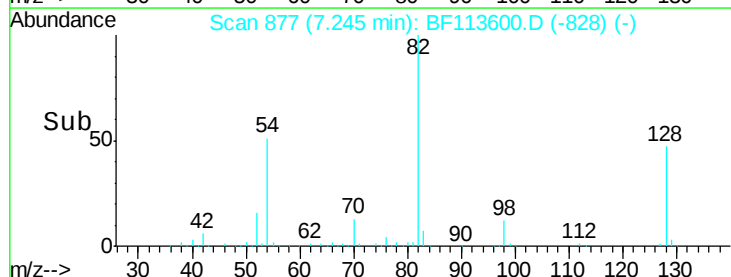
54 51.2 42.2 63.2



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



Abundance

800000

600000

400000

200000

0

Time-->



#25

Isophorone

Concen: 33.150 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

Instrument :

BNA_F

ClientSampled :

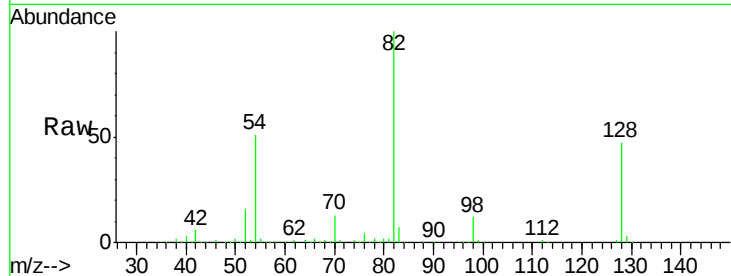
Tot Ion: 82 Resp: 571303

Ion Ratio Lower Upper

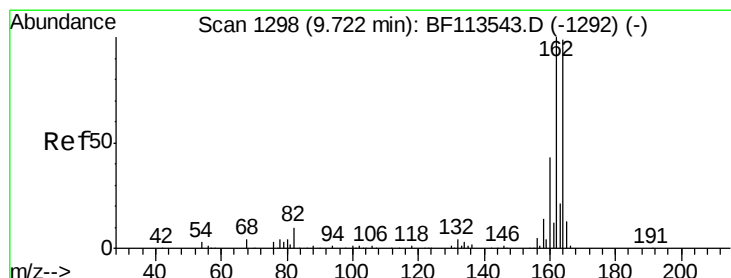
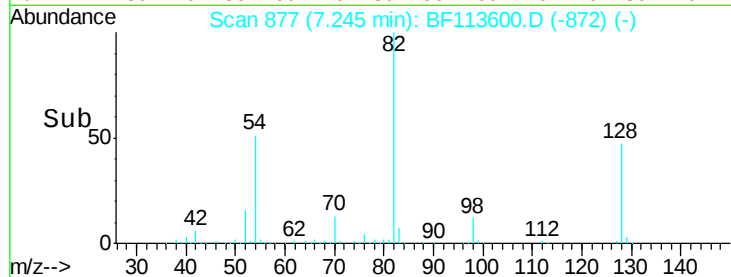
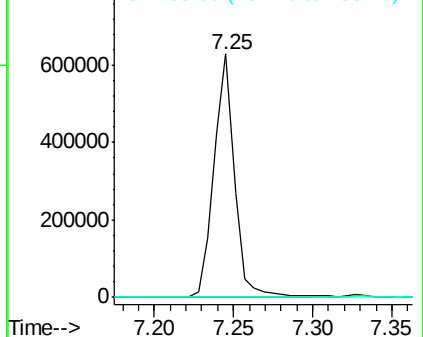
82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

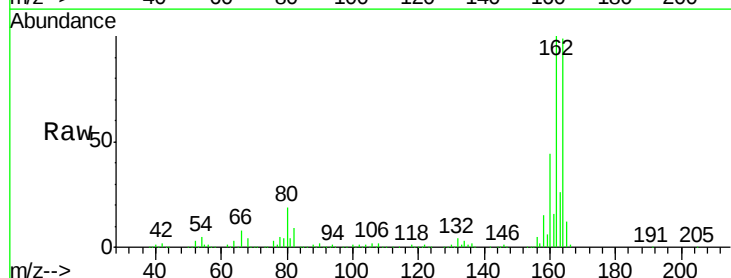
Tgt Ion:164 Resp: 234764

Ion Ratio Lower Upper

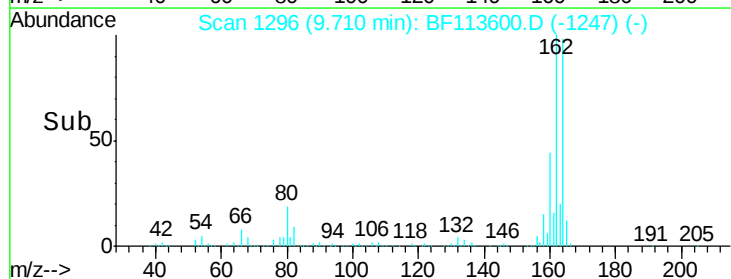
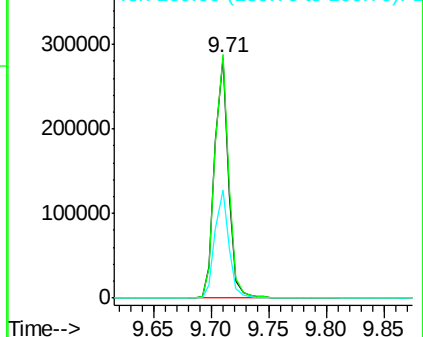
164 100

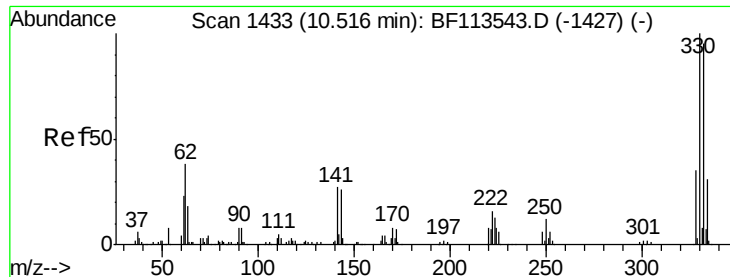
162 101.5 81.8 122.6

160 44.8 36.4 54.6



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

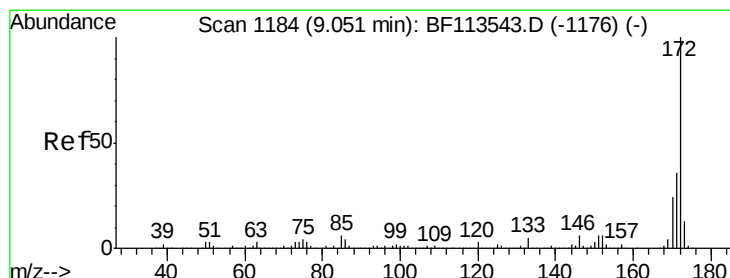
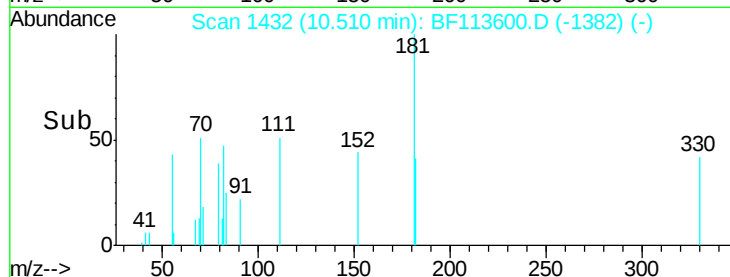
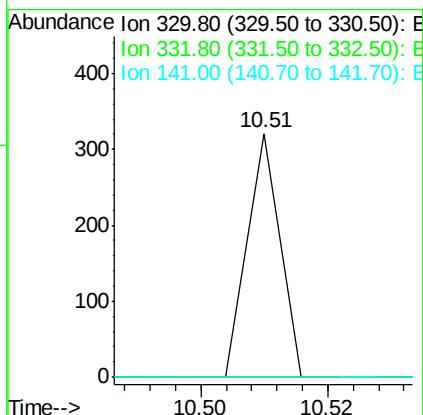
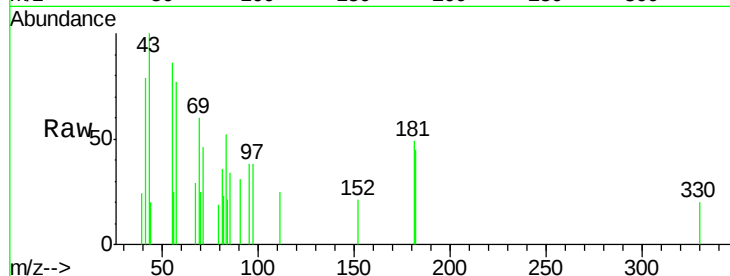




#42
 2,4,6-Tribromophenol
 Concen: 0.040 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: BF113600.D
 Acq: 4 Apr 2019 23:29

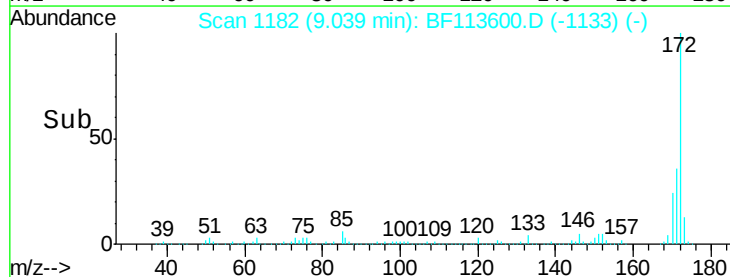
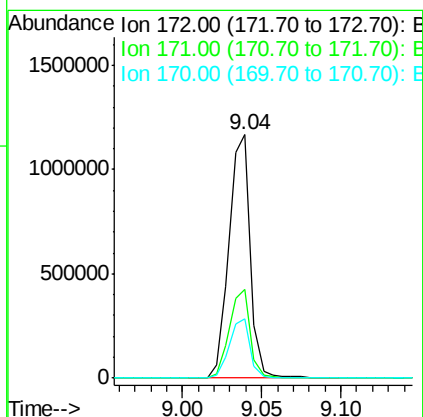
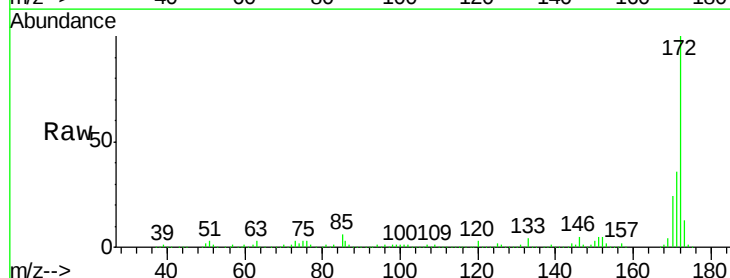
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 113
 Ion Ratio Lower Upper
 330 100
 332 0.0 77.8 116.6#
 141 0.0 22.7 34.1#



#45
 2-Fluorobiphenyl
 Concen: 75.073 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113600.D
 Acq: 4 Apr 2019 23:29

Tgt Ion:172 Resp: 1094761
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.6
 170 24.2 19.5 29.3

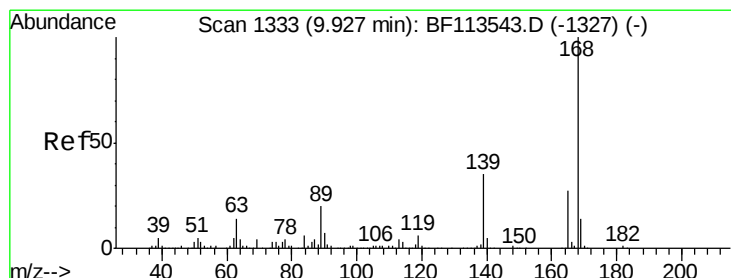
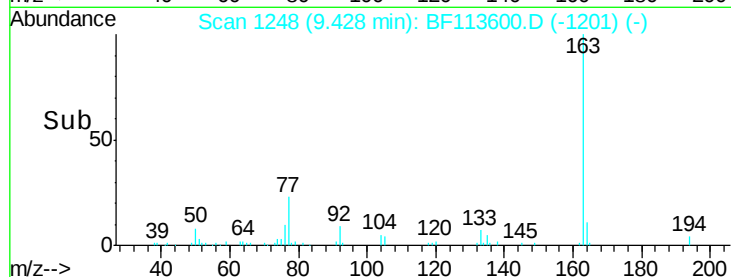
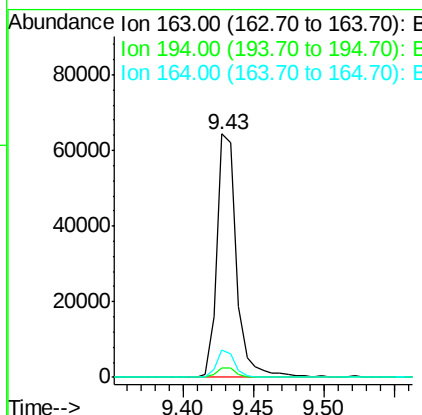
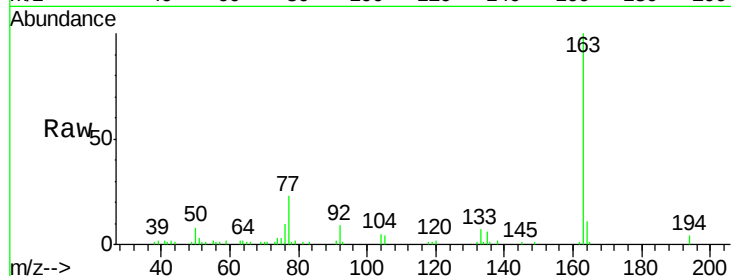




#50
Dimethylphthalate
Concen: 3.597 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113600.D
Acq: 4 Apr 2019 23:29

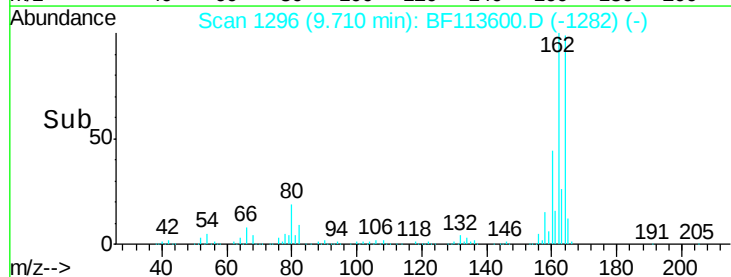
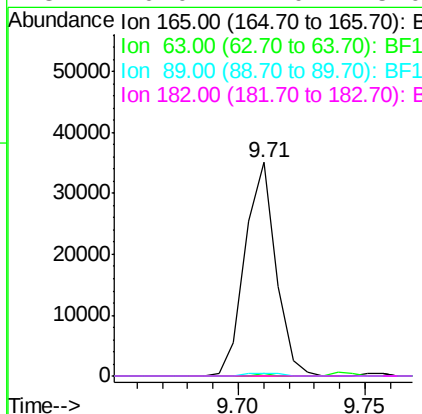
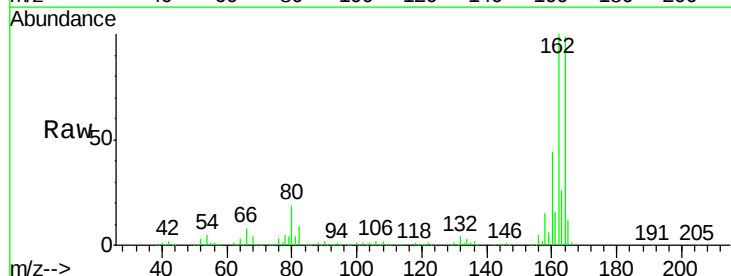
Instrument :
BNA_F
ClientSampleId :

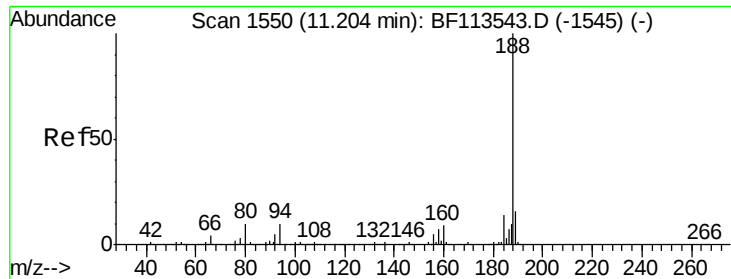
Tot Ion:163 Resp: 62253
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 11.5 8.1 12.1



#57
2,4-Dinitrotoluene
Concen: 6.458 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.22 min
Lab File: BF113600.D
Acq: 4 Apr 2019 23:29

Tgt Ion:165 Resp: 29792
Ion Ratio Lower Upper
165 100
63 1.2 37.5 56.3#
89 1.4 57.4 86.2#
182 0.0 2.0 3.0#

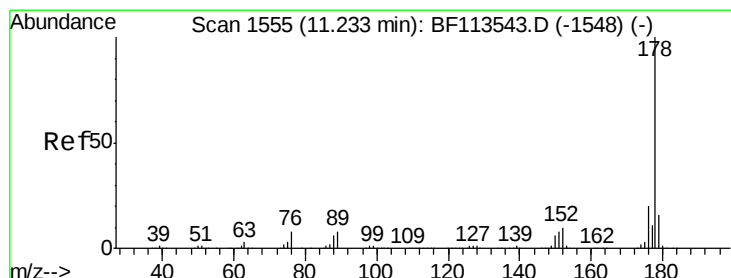
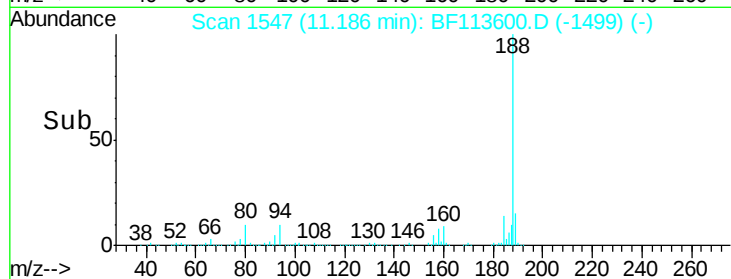
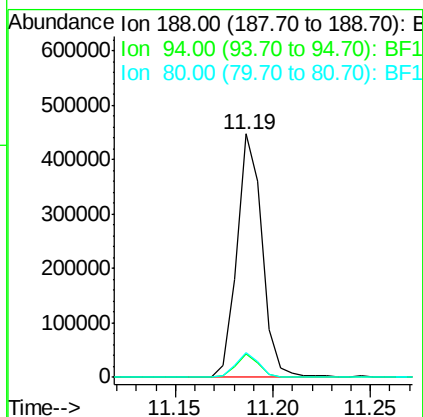
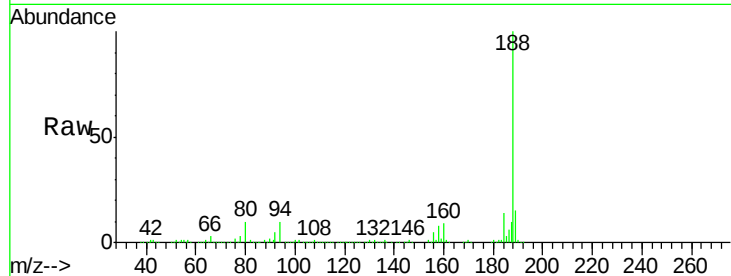




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1547
 Delta R.T. -0.02 min
 Lab File: BF113600.D
 Acq: 4 Apr 2019 23:29

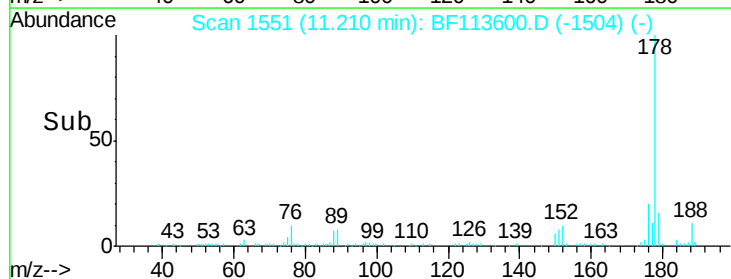
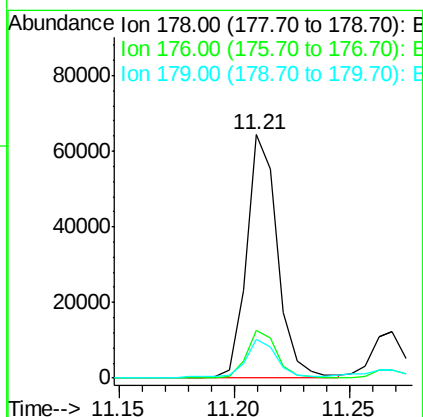
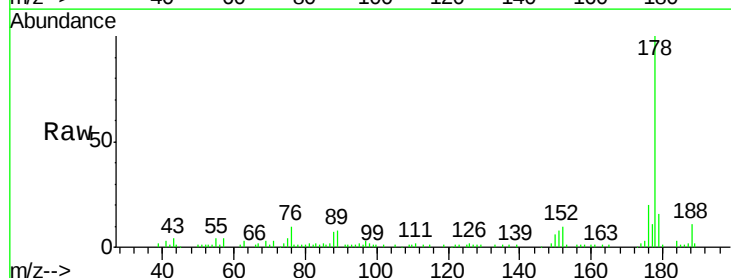
Instrument :
 BNA_F
 ClientSampleId :

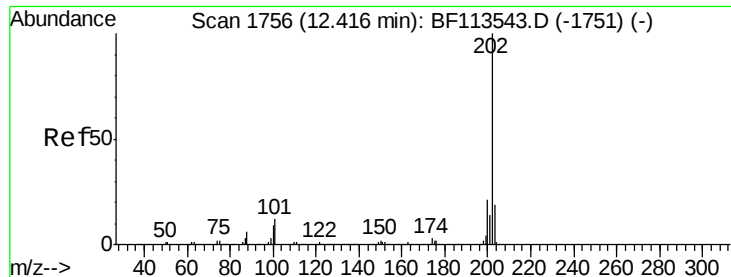
Tot Ion:188 Resp: 400235
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.0 10.6
 80 10.1 7.7 11.5



#71
 Phenanthrene
 Concen: 3.030 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF113600.D
 Acq: 4 Apr 2019 23:29

Tgt Ion:178 Resp: 60263
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.2
 179 16.0 12.7 19.1





#75

Fluoranthene

Concen: 3.678 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

Instrument :

BNA_F

ClientSampleId :

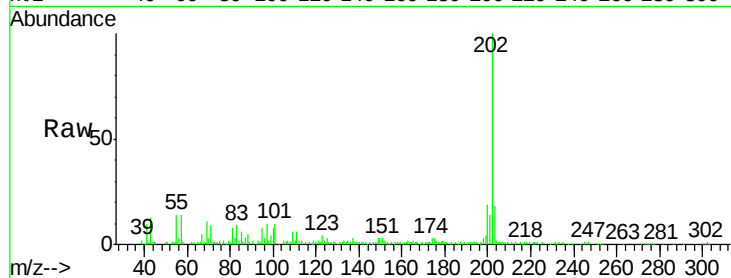
Tot Ion:202 Resp: 78373

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.4

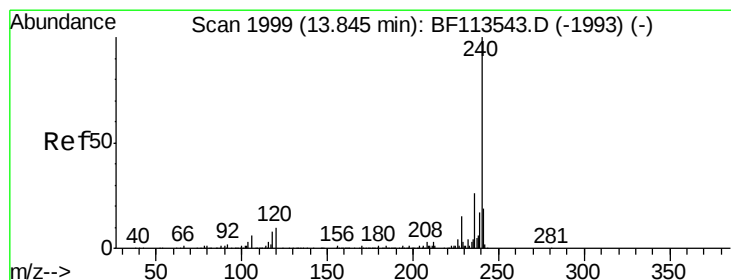
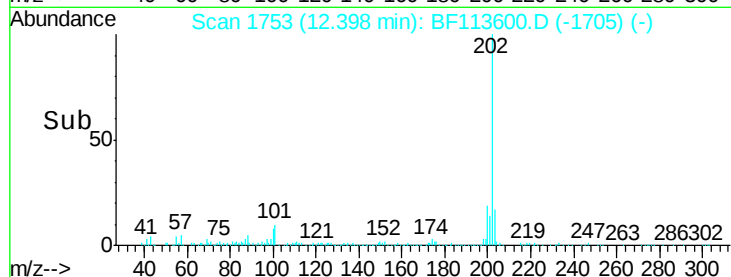
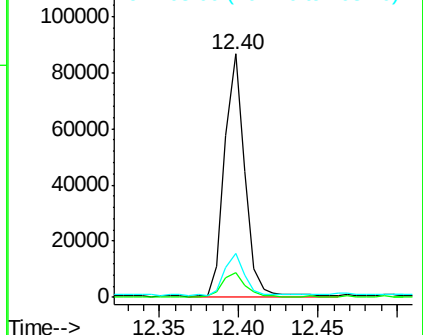
203 17.9 0.0 38.0



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: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

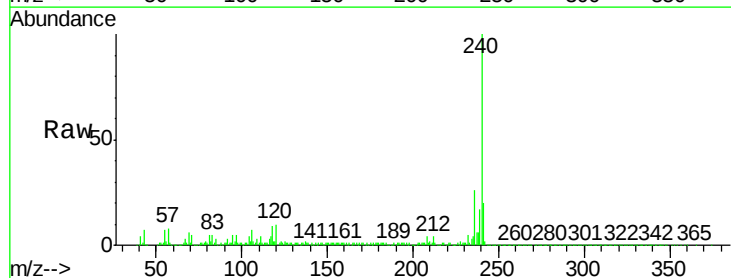
Tgt Ion:240 Resp: 347810

Ion Ratio Lower Upper

240 100

120 9.8 8.8 13.2

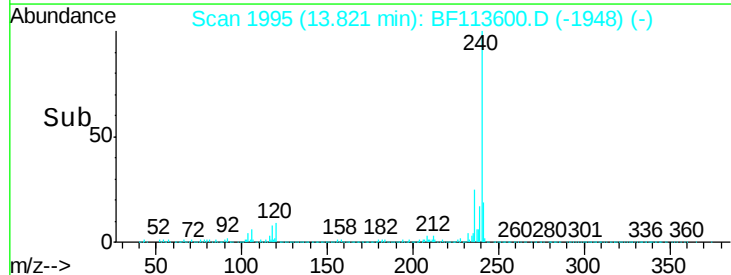
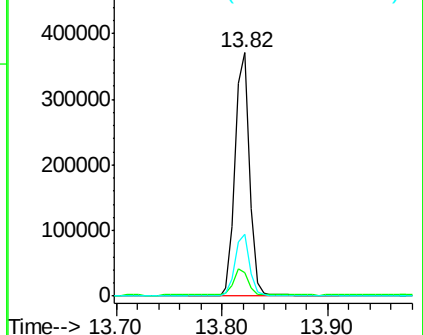
236 25.6 20.9 31.3

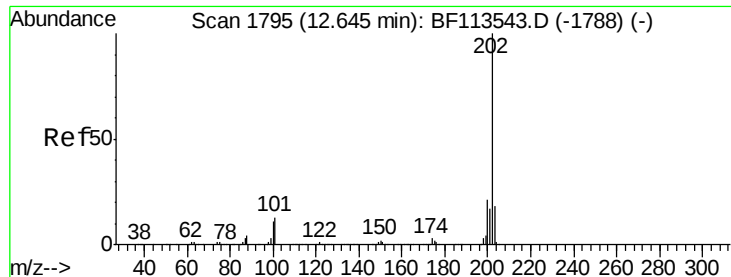


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.524 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.02 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

Instrument :

BNA_F

ClientSampleId :

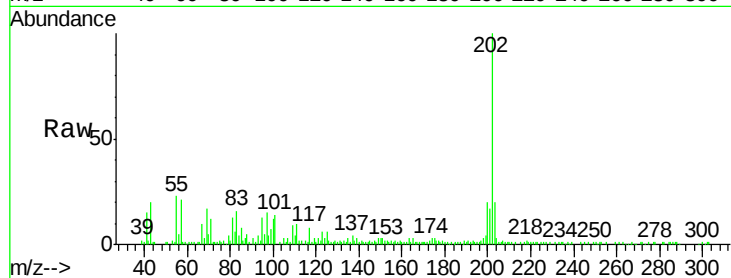
Tot Ion:202 Resp: 66791

Ion Ratio Lower Upper

202 100

200 20.1 16.8 25.2

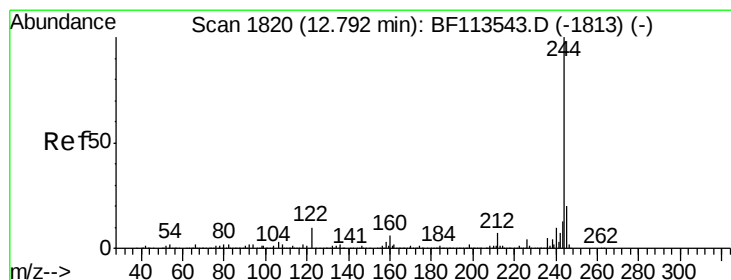
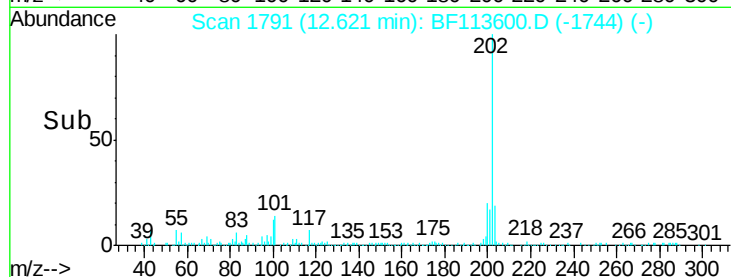
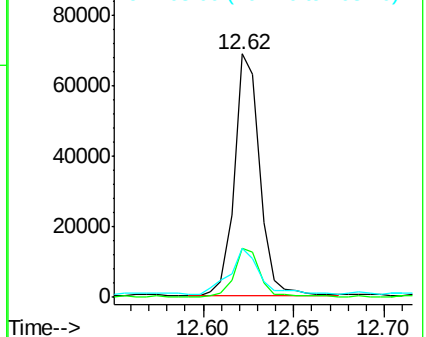
203 20.2 14.4 21.6



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: 57.282 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

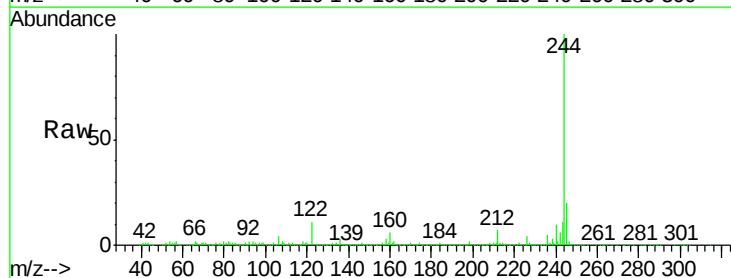
Tgt Ion:244 Resp: 978545

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

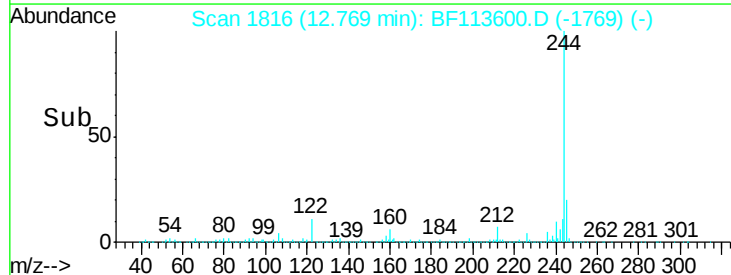
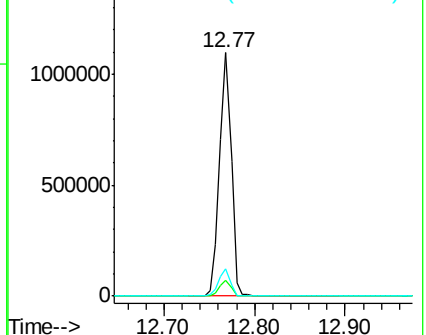
122 11.0 8.6 13.0

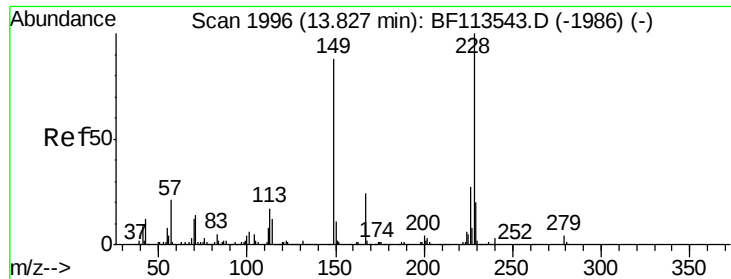


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.381 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

Instrument :

BNA_F

ClientSampleId :

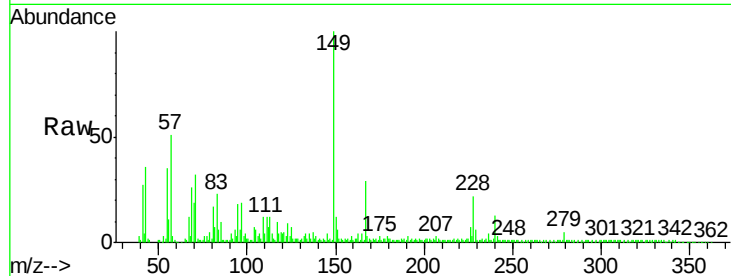
Tot Ion:149 Resp: 83106

Ion Ratio Lower Upper

149 100

167 28.6 21.8 32.8

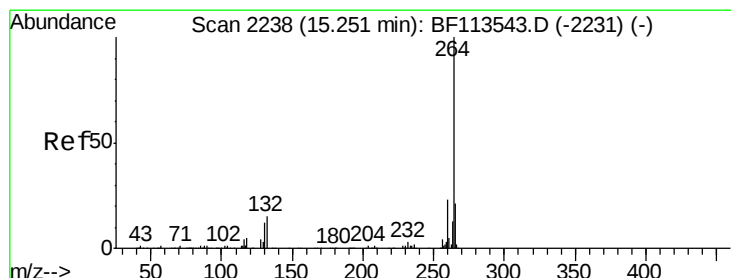
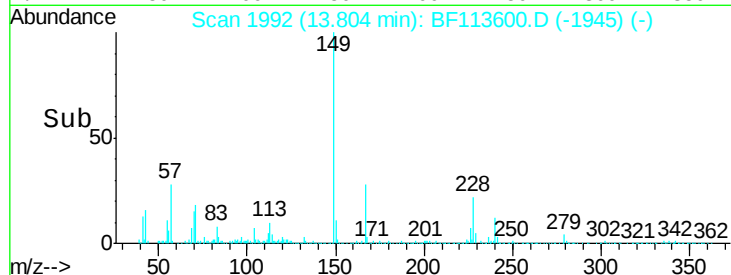
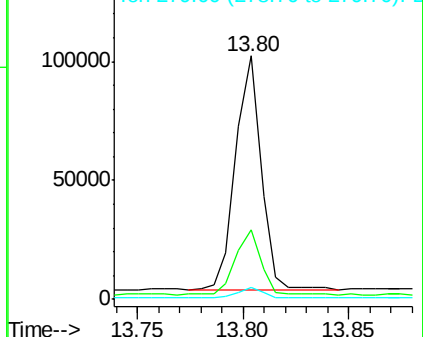
279 5.0 2.9 4.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2234

Delta R.T. -0.02 min

Lab File: BF113600.D

Acq: 4 Apr 2019 23:29

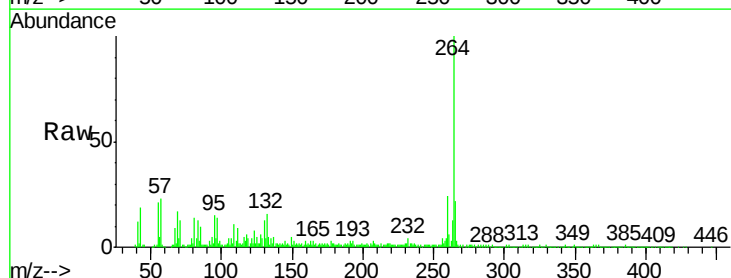
Tgt Ion:264 Resp: 258795

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

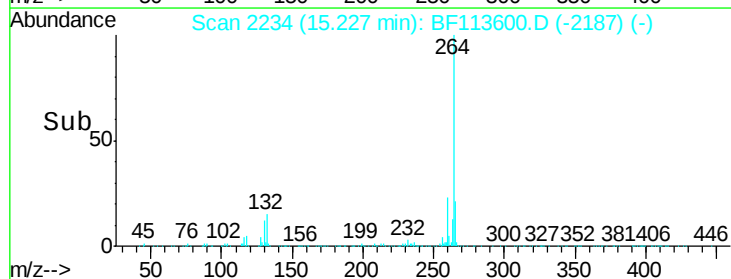
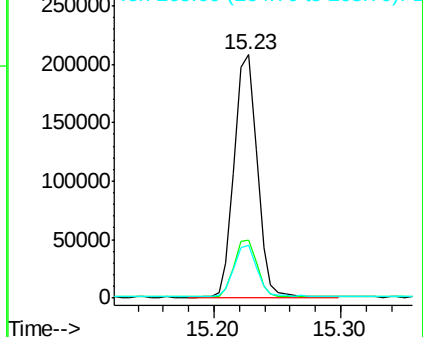
265 21.6 17.1 25.7

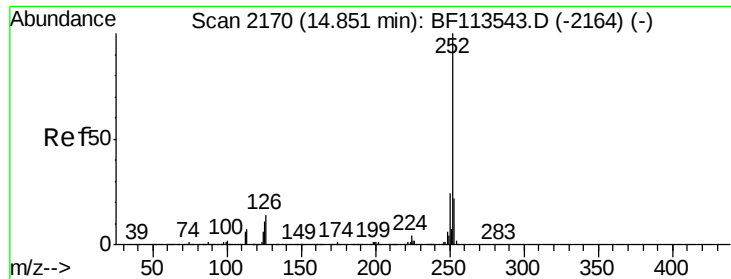


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

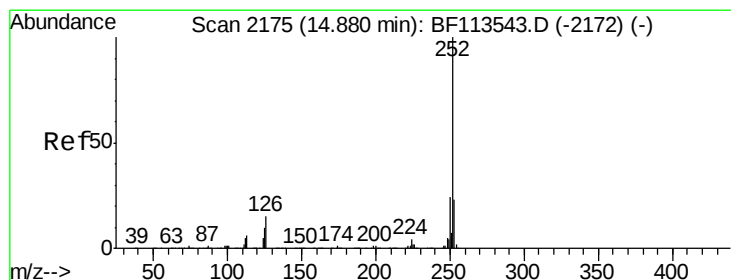
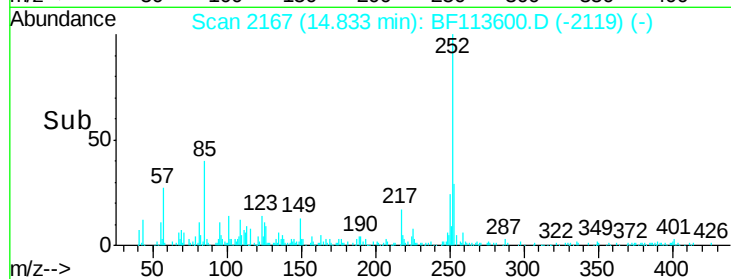
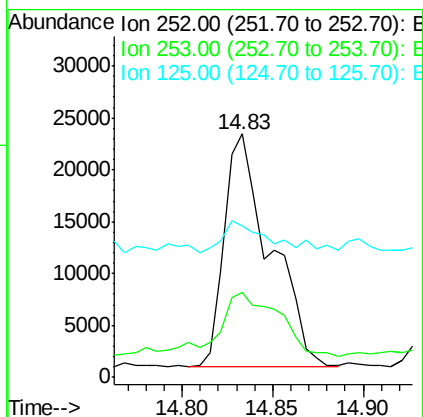
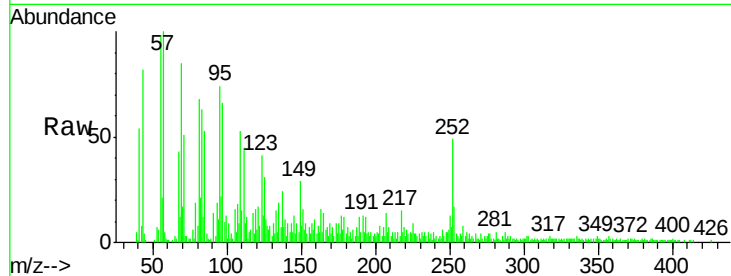




#88
Benzo(b)fluoranthene
Concen: 2.501 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF113600.D
Acq: 4 Apr 2019 23:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 39626
Ion Ratio Lower Upper
252 100
253 34.9 18.0 27.0#
125 62.4 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 2.787 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF113600.D
Acq: 4 Apr 2019 23:29

Tgt Ion:252 Resp: 39626
Ion Ratio Lower Upper
252 100
253 34.9 17.7 26.5#
125 62.4 7.3 10.9#

