

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111921.D
 Acq On : 8 Jan 2019 21:39
 Operator : JU/SJ
 Sample : K1044-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 09 00:59:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

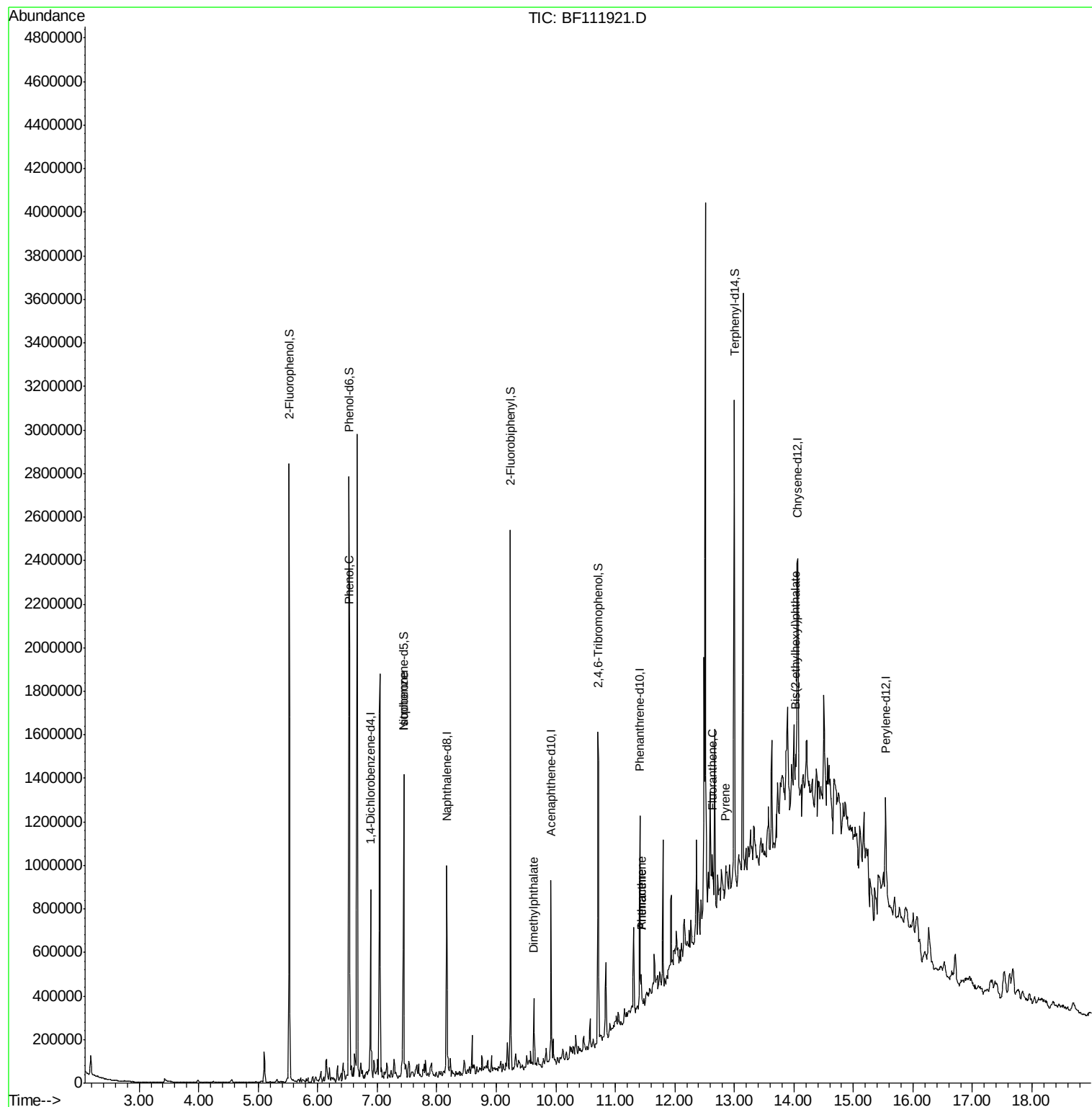
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	113046	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	377657	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	151734	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	295358	20.00	ng	0.00
76) Chrysene-d12	14.06	240	302350	20.00	ng	0.00
87) Perylene-d12	15.54	264	209228	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	707033	107.00	ng	0.00
7) Phenol-d6	6.53	99	855585	100.46	ng	0.00
23) Nitrobenzene-d5	7.45	82	426115	60.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	178138	90.26	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	686593	65.98	ng	-0.01
79) Terphenyl-d14	13.00	244	729832	45.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	2879	Below Cal		Qvalue # 78
10) Phenol	6.54	94	53759	5.808	ng	81
25) Isophorone	7.45	82	421111	36.802	ng	# 65
50) Dimethylphthalate	9.63	163	107053	9.392	ng	99
71) Phenanthrene	11.43	178	47374	3.000	ng	96
72) Anthracene	11.43	178	47374	2.955	ng	96
75) Fluoranthene	12.63	202	57469	3.545	ng	93
78) Pyrene	12.86	202	51466	2.474	ng	96
84) Bis(2-ethylhexyl)phthalate	14.03	149	45235	3.916	ng	# 92

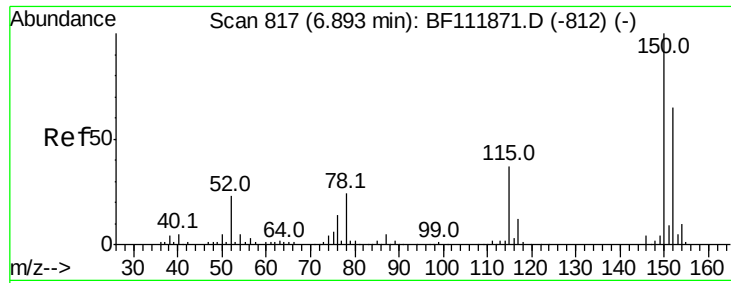
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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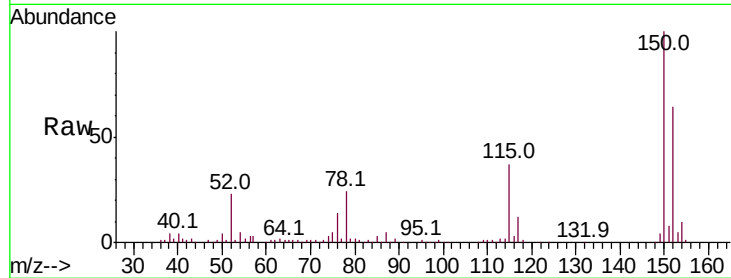


#1

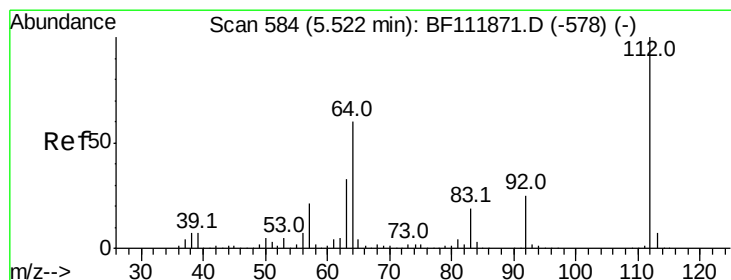
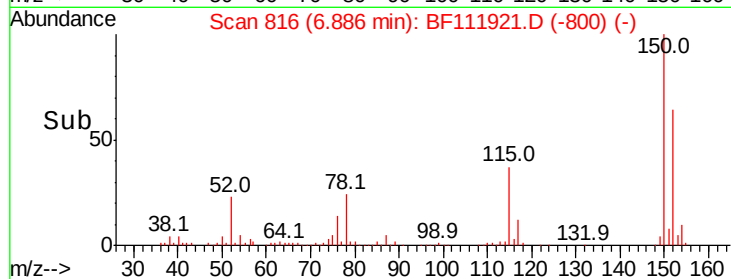
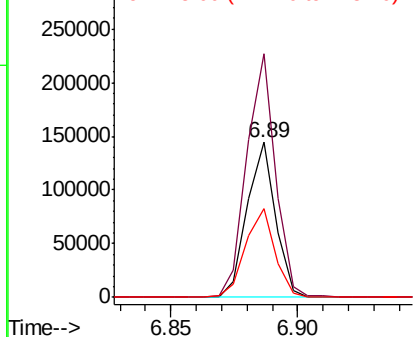
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF111921.D
Acq: 8 Jan 2019 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113046
Ion Ratio Lower Upper
152 100
150 157.2 122.7 184.1
115 57.6 45.2 67.8



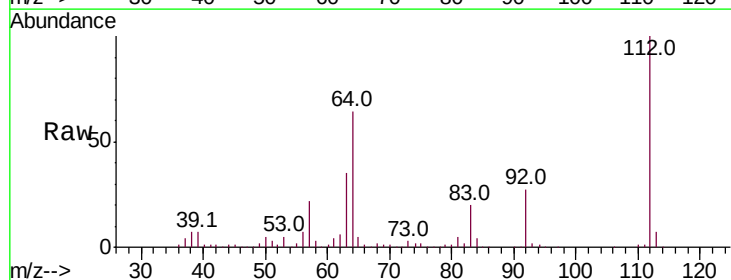
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



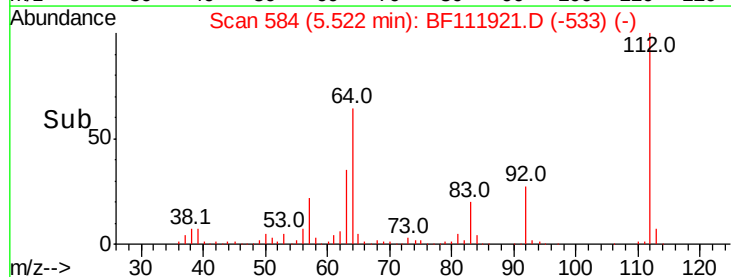
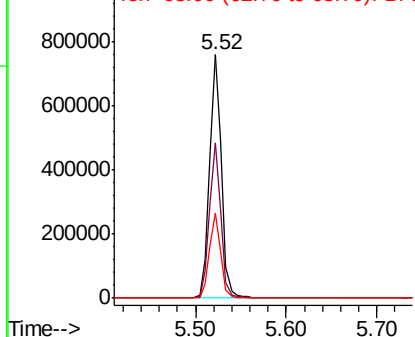
#5

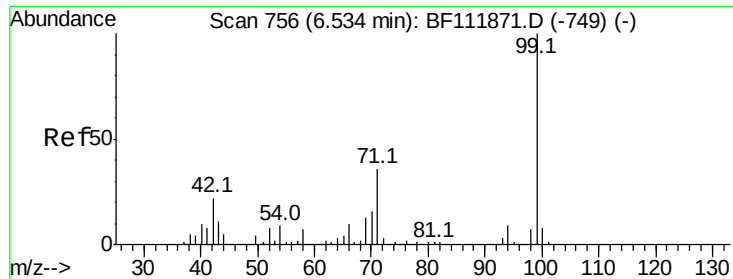
2-Fluorophenol
Concen: 107.001 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.00 min
Lab File: BF111921.D
Acq: 8 Jan 2019 21:39

Tgt Ion:112 Resp: 707033
Ion Ratio Lower Upper
112 100
64 63.9 48.3 72.5
63 34.7 26.1 39.1



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: 100.461 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

Instrument :

BNA_F

ClientSampleId :

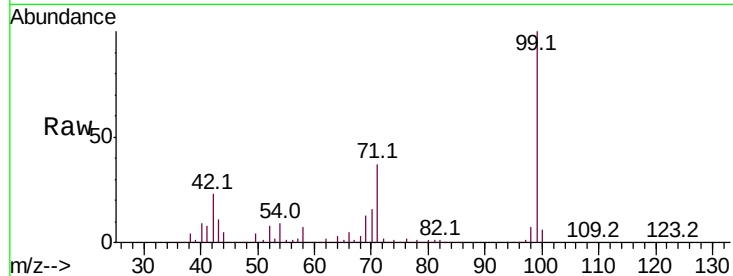
Tot Ion: 99 Resp: 855585

Ion Ratio Lower Upper

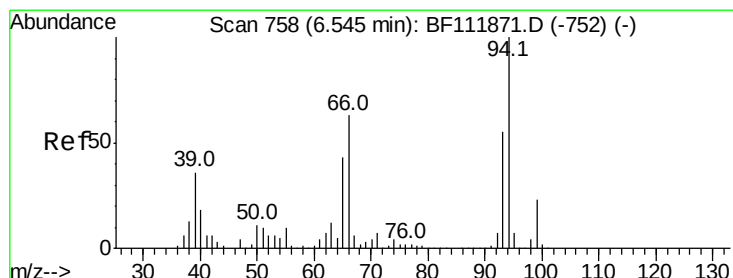
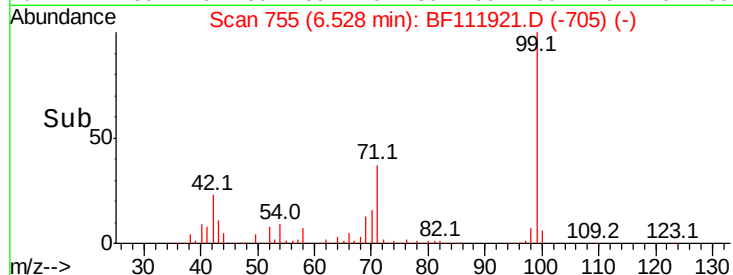
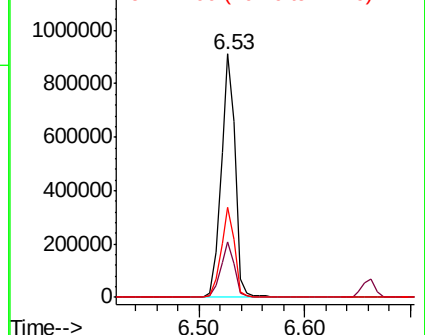
99 100

42 22.9 17.9 26.9

71 36.8 28.7 43.1



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: 5.808 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

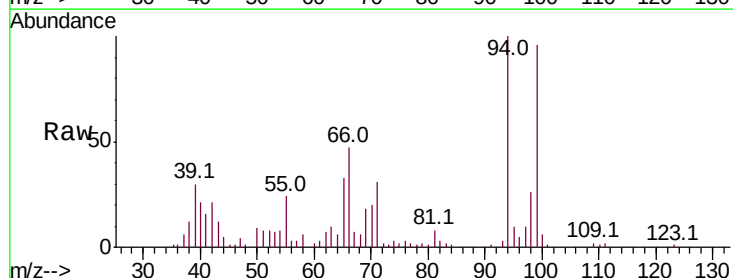
Tgt Ion: 94 Resp: 53759

Ion Ratio Lower Upper

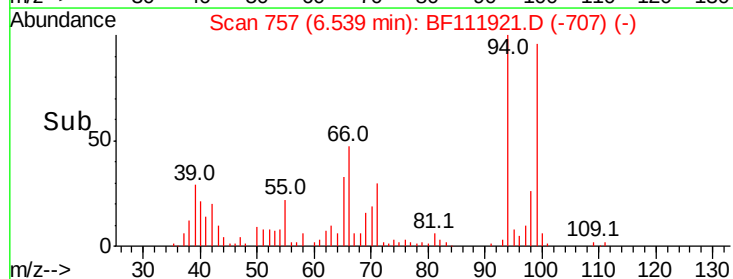
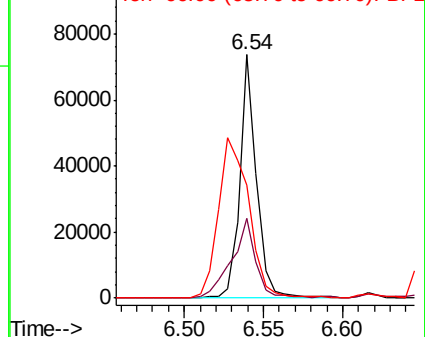
94 100

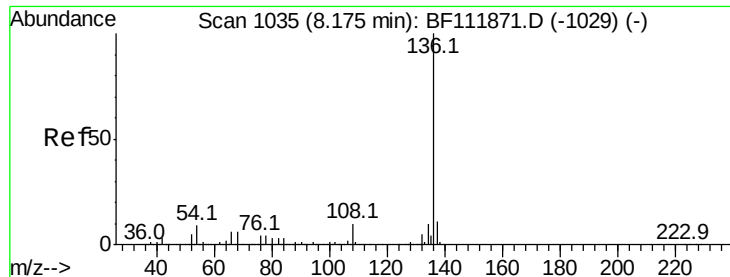
65 32.7 22.8 62.8

66 46.5 43.3 83.3



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 377657

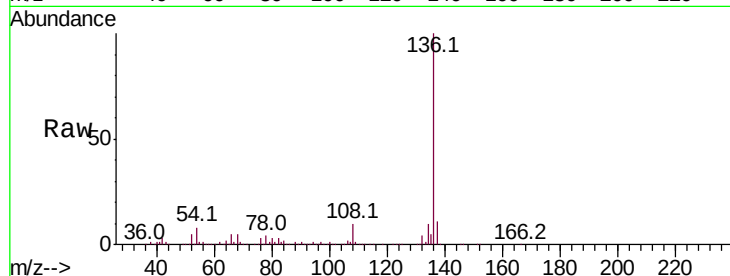
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 8.0 7.2 10.8

68 5.1 4.4 6.6

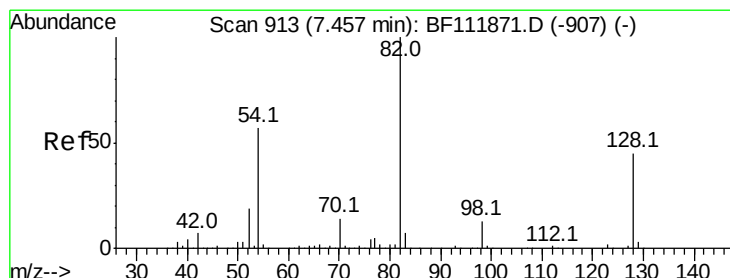
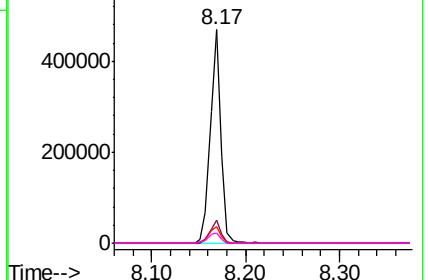
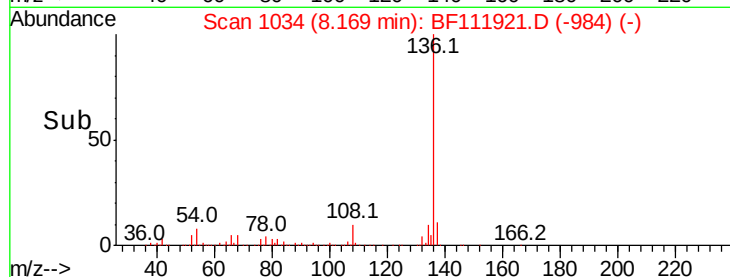


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.303 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

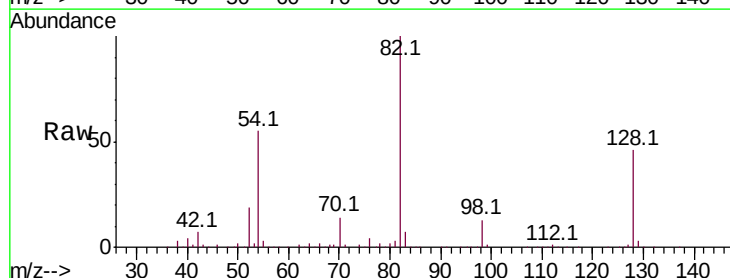
Tgt Ion: 82 Resp: 426115

Ion Ratio Lower Upper

82 100

128 46.1 35.7 53.5

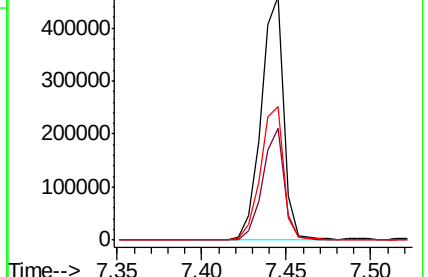
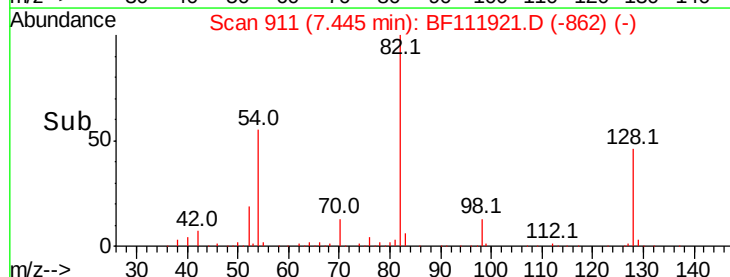
54 54.8 45.8 68.8

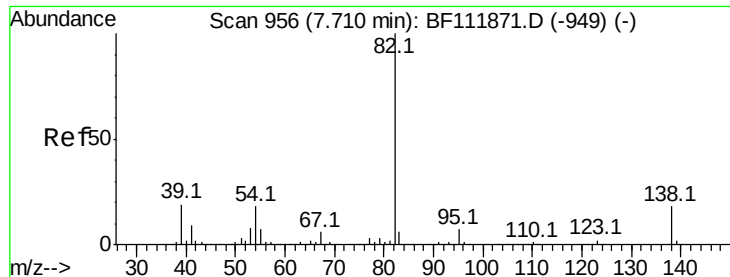


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.802 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

Instrument :

BNA_F

ClientSampleId :

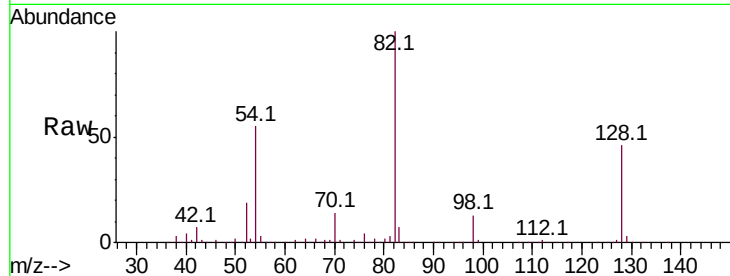
Tot Ion: 82 Resp: 421111

Ion Ratio Lower Upper

82 100

95 0.3 5.8 8.6#

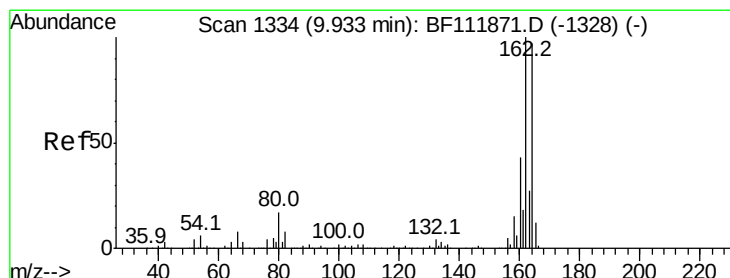
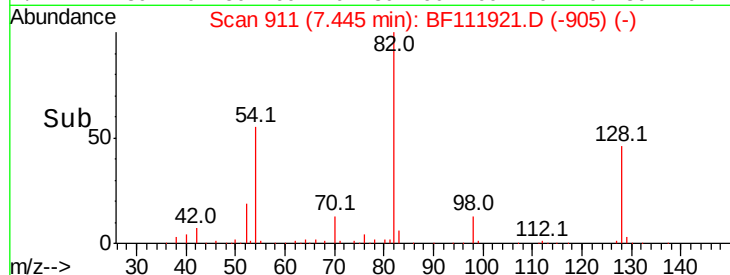
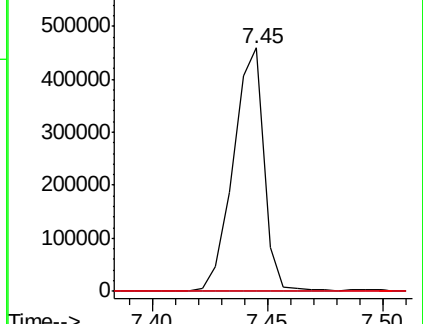
138 0.0 14.4 21.6#



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: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

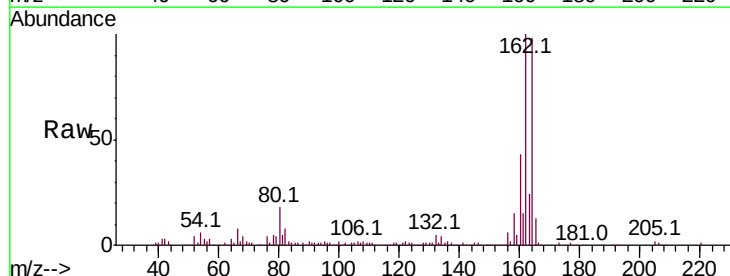
Tgt Ion:164 Resp: 151734

Ion Ratio Lower Upper

164 100

162 101.6 82.2 123.2

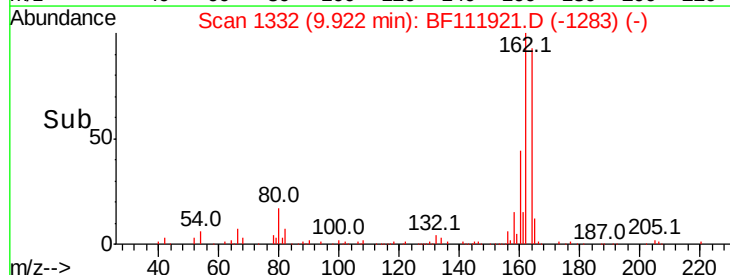
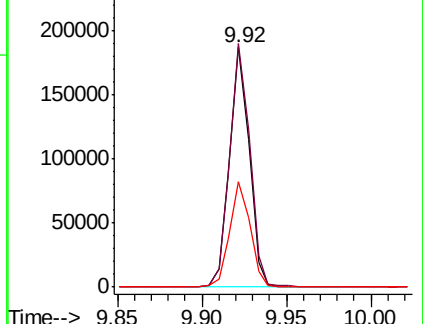
160 44.1 35.5 53.3

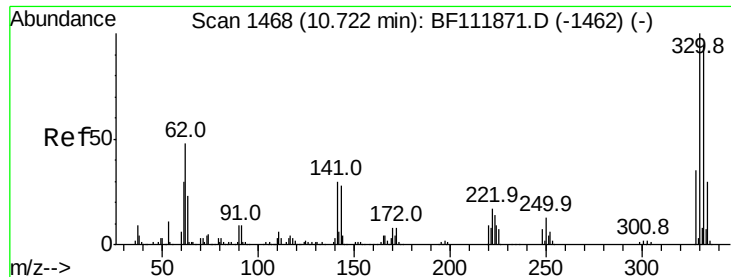


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 90.260 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

Instrument :

BNA_F

ClientSampled :

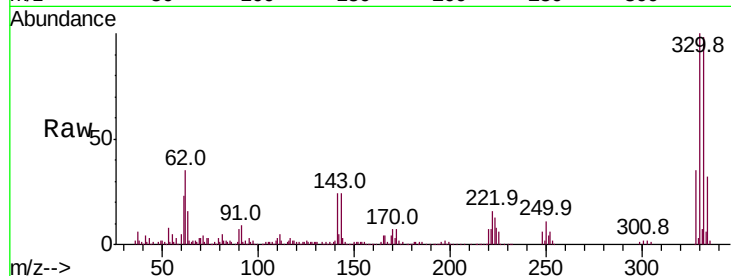
Tot Ion:330 Resp: 178138

Ion Ratio Lower Upper

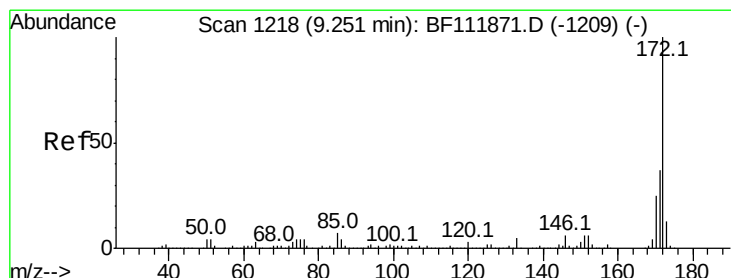
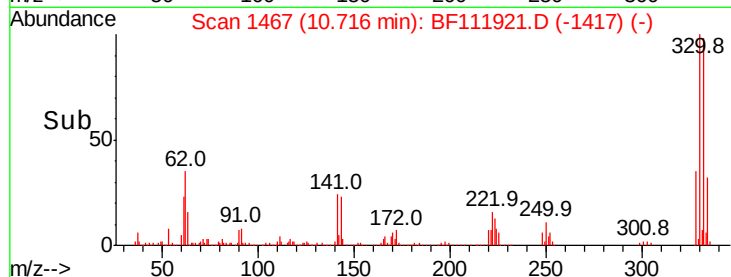
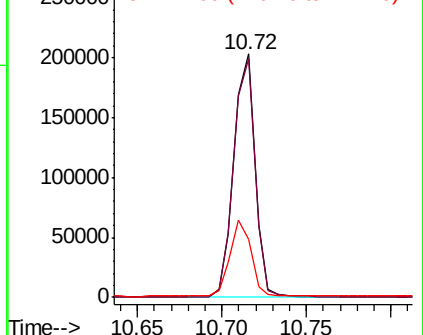
330 100

332 99.0 76.9 115.3

141 31.4 23.7 35.5



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: 65.983 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

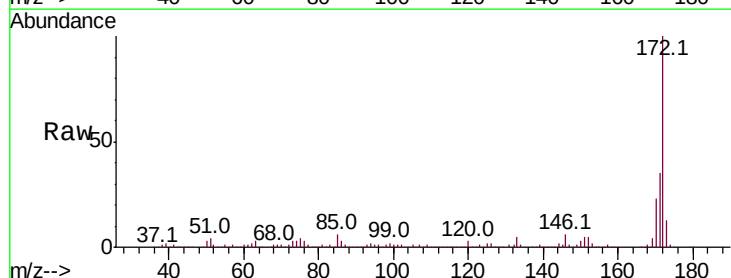
Tgt Ion:172 Resp: 686593

Ion Ratio Lower Upper

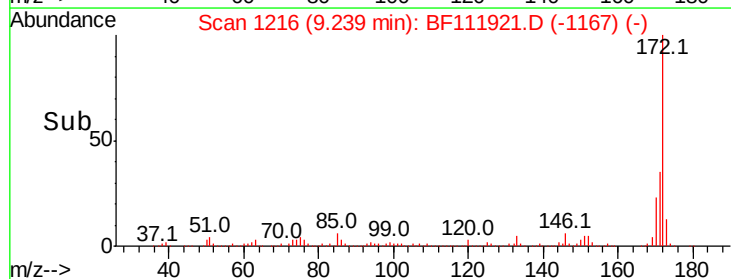
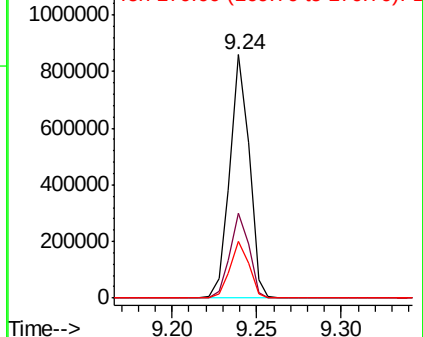
172 100

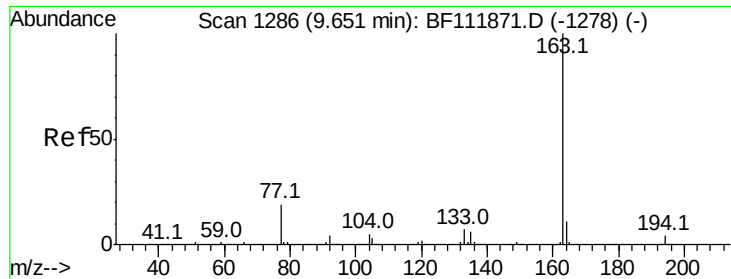
171 34.9 29.6 44.4

170 23.4 19.8 29.8



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

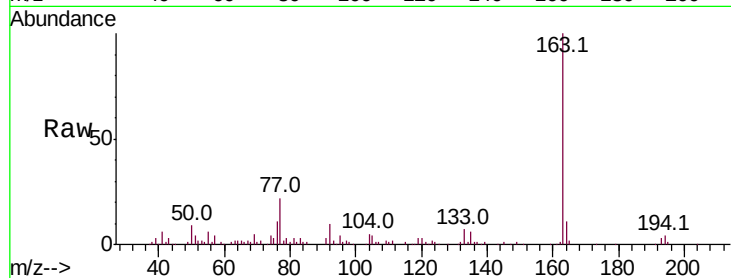




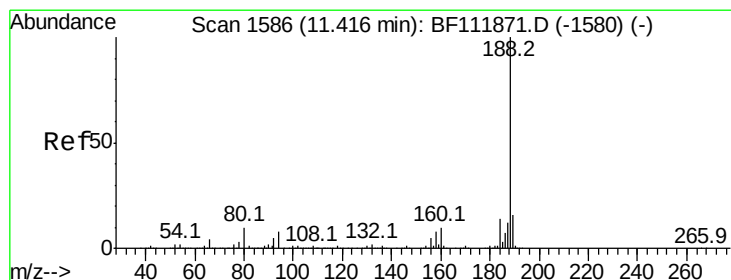
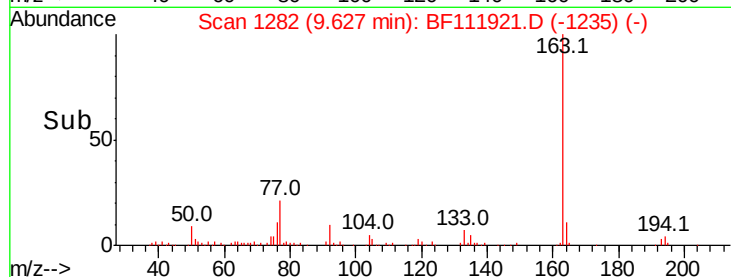
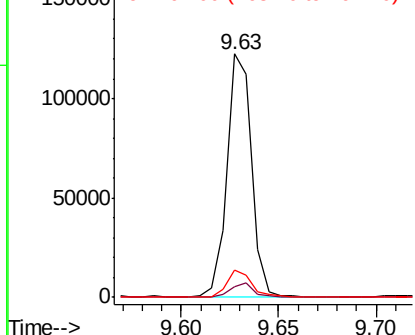
#50
Dimethylphthalate
Concen: 9.392 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111921.D
Acq: 8 Jan 2019 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	11.3	8.5	12.7

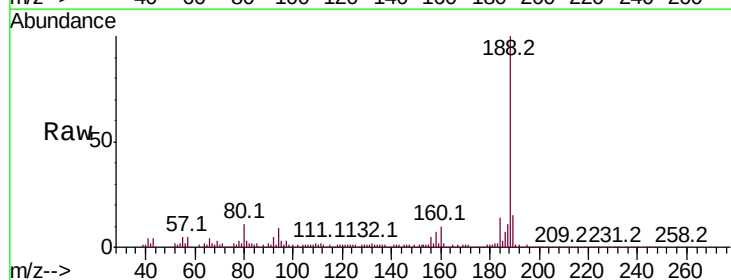


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

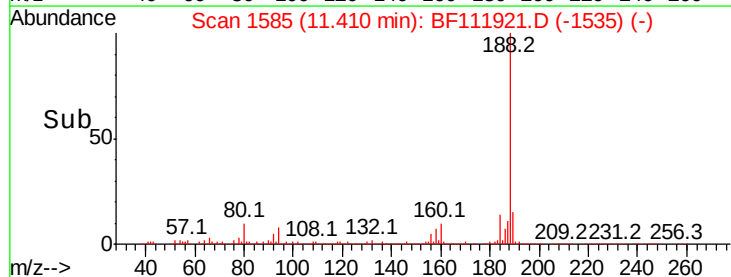
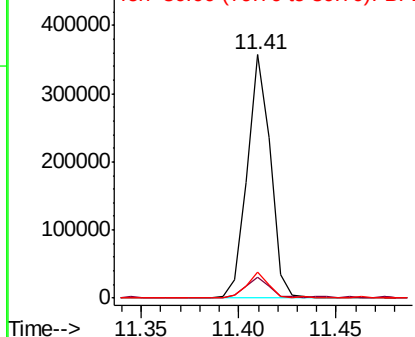


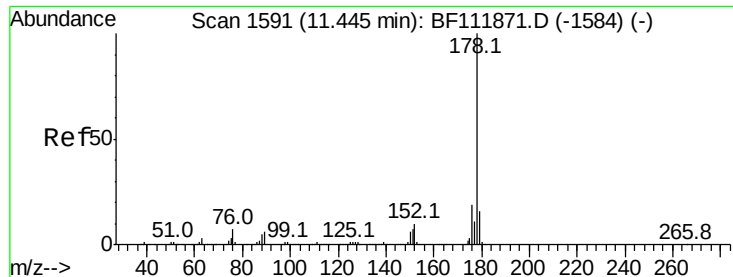
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF111921.D
Acq: 8 Jan 2019 21:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	10.6	7.7	11.5



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





#71

Phenanthrene

Concen: 3.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

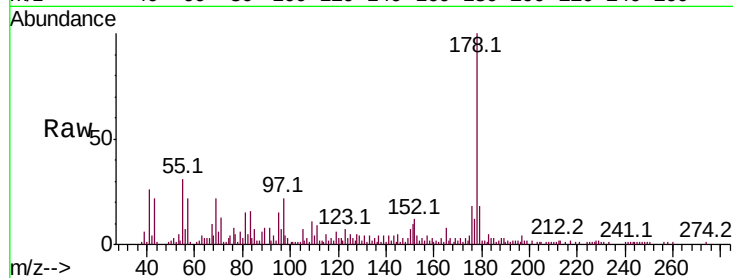
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 47374

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.6	23.4
179	18.1	12.6	18.8

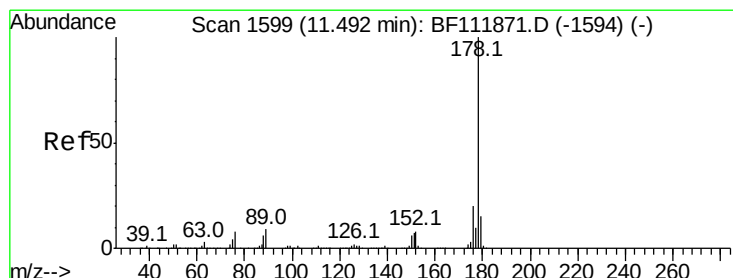
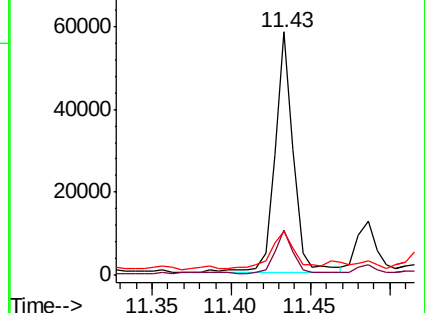
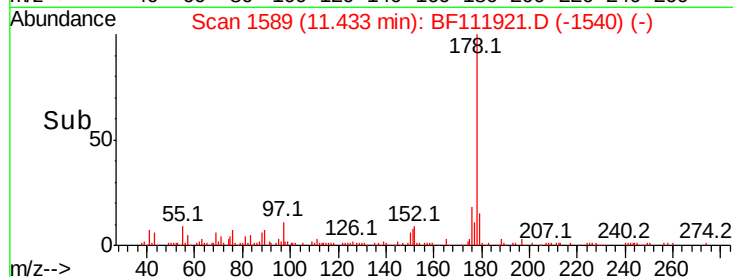


Abundance

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



#72

Anthracene

Concen: 2.955 ng

RT: 11.43 min Scan# 1589

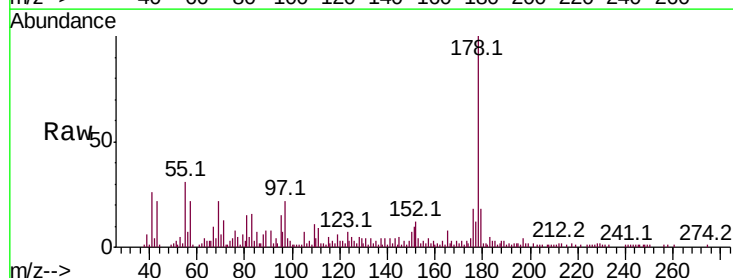
Delta R.T. -0.06 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

Tgt Ion:178 Resp: 47374

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	18.1	12.4	18.6

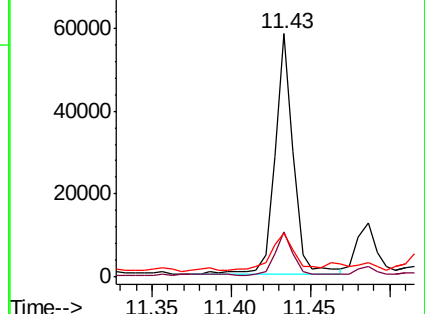
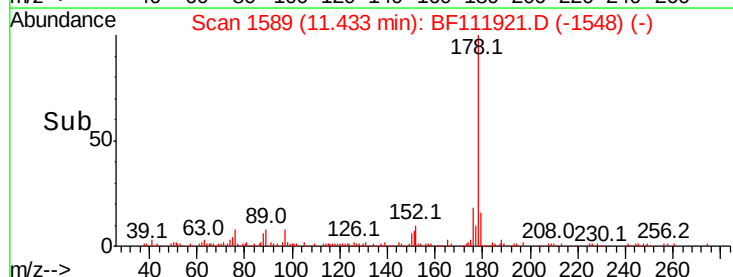


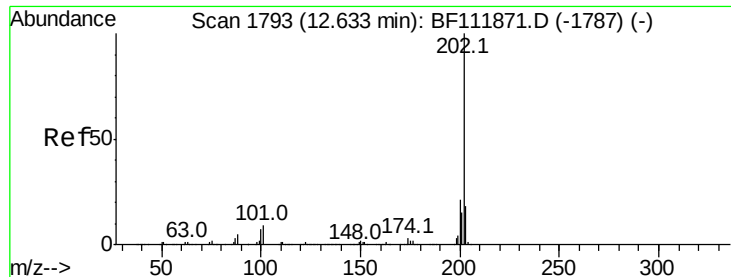
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 3.545 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

Instrument :

BNA_F

ClientSampled :

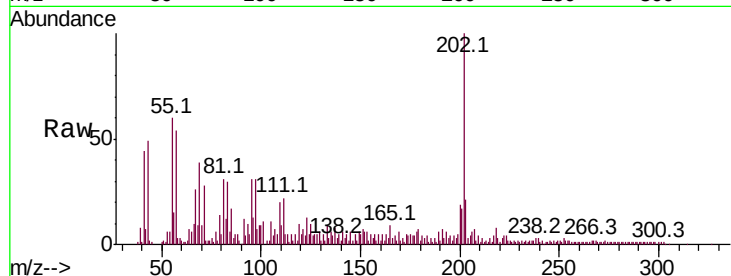
Tot Ion:202 Resp: 57469

Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.3

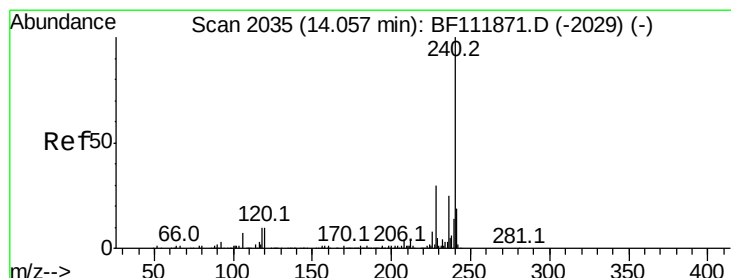
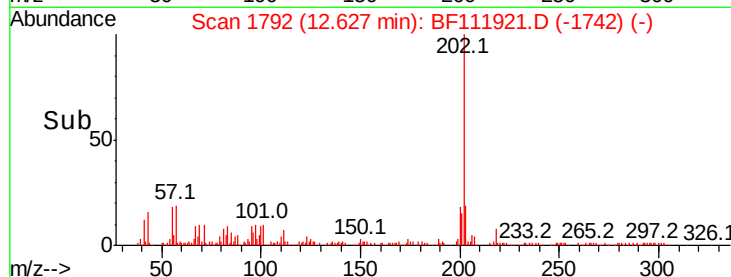
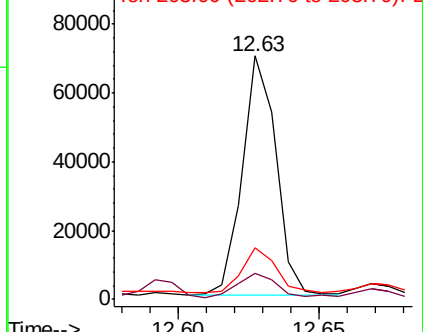
203 21.4 0.0 37.6



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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

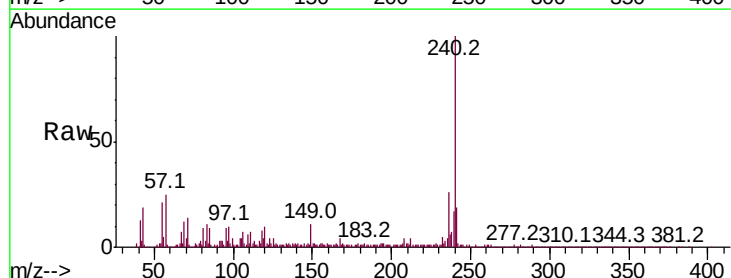
Tgt Ion:240 Resp: 302350

Ion Ratio Lower Upper

240 100

120 10.0 8.2 12.2

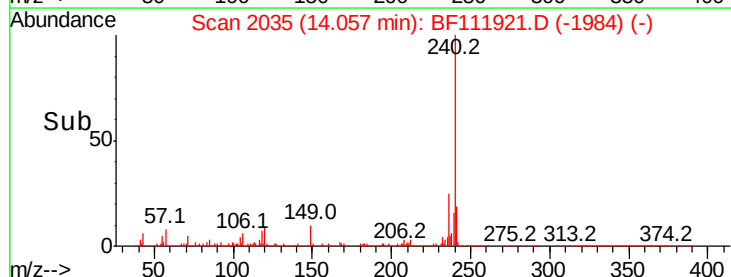
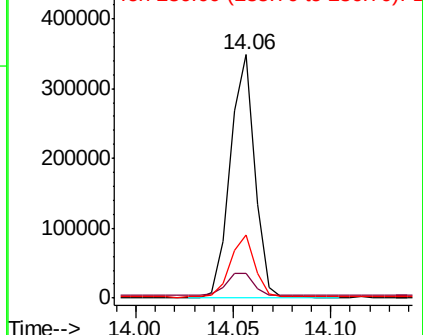
236 25.8 20.2 30.4

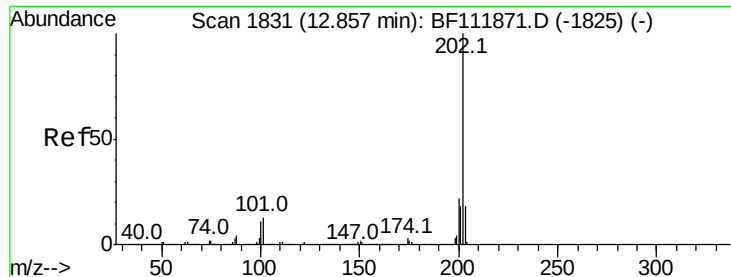


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.474 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

Instrument :

BNA_F

ClientSampleId :

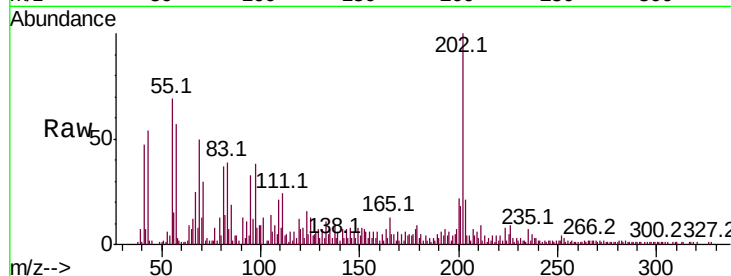
Tot Ion:202 Resp: 51466

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

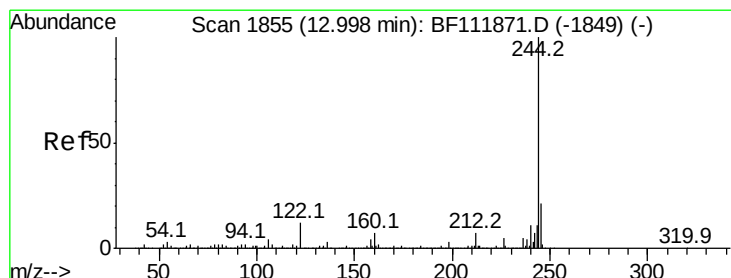
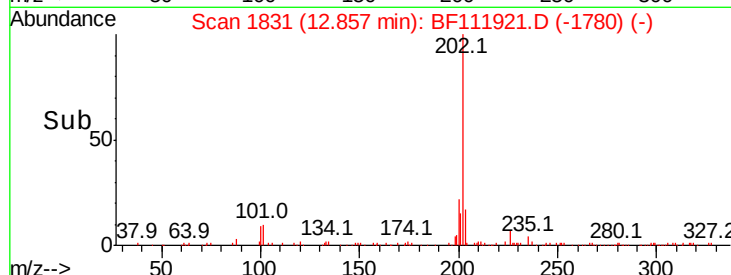
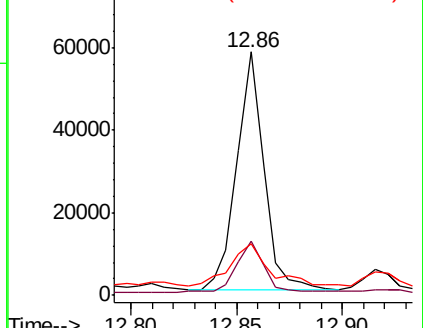
203 21.4 14.6 21.8



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: 45.820 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111921.D

Acq: 8 Jan 2019 21:39

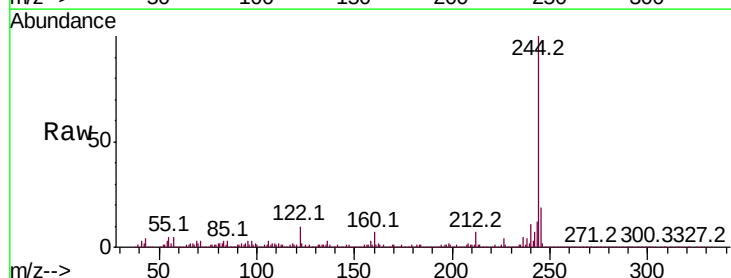
Tgt Ion:244 Resp: 729832

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

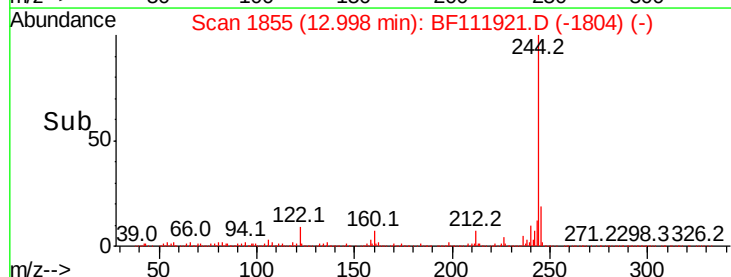
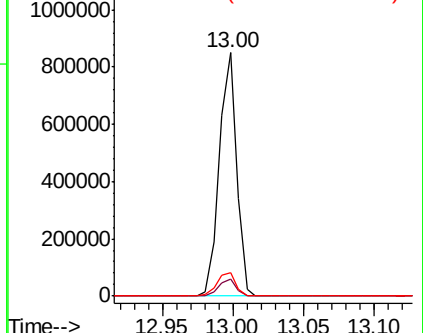
122 9.6 9.5 14.3

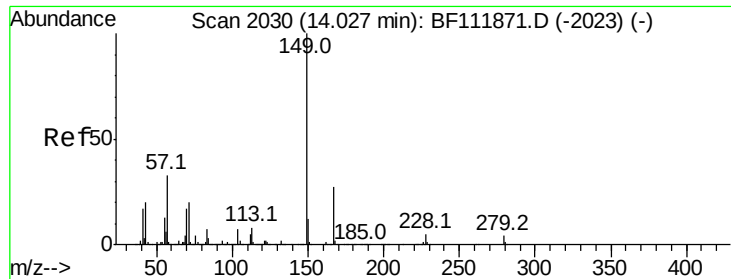


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

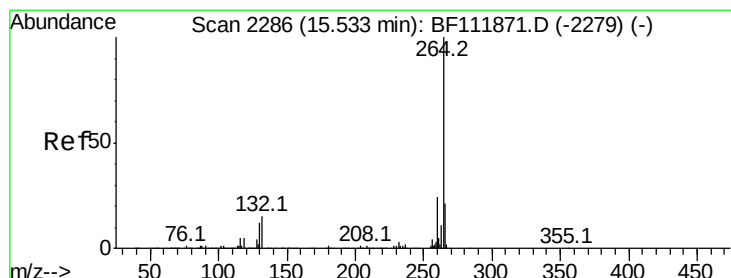
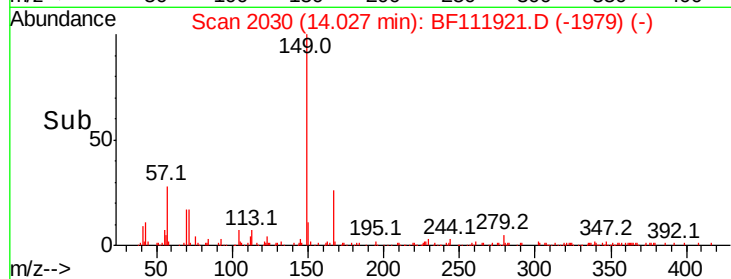
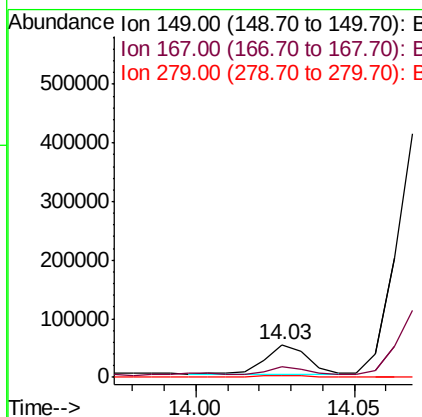
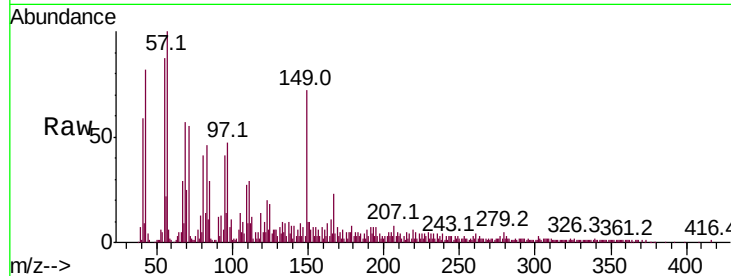




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.916 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: BF111921.D
 Acq: 8 Jan 2019 21:39

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:149 Resp: 45235
 Ion Ratio Lower Upper
 149 100
 167 31.2 21.5 32.3
 279 6.6 3.0 4.6#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF111921.D
 Acq: 8 Jan 2019 21:39

Tgt Ion:264 Resp: 209228
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 22.1 17.1 25.7

