

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010919\
 Data File : BF111952.D
 Acq On : 9 Jan 2019 16:32
 Operator : JU/SJ
 Sample : K1006-09 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 10 01:52:34 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	6.88	152	131861	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	478916	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	211162	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	327587	20.00	ng	0.00
76) Chrysene-d12	14.05	240	310181	20.00	ng	0.00
87) Perylene-d12	15.54	264	213105	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	396406	51.43	ng	0.00
7) Phenol-d6	6.52	99	528678	53.22	ng	-0.01
23) Nitrobenzene-d5	7.44	82	325093	36.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	117189	42.67	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	559839	38.66	ng	-0.01
79) Terphenyl-d14	13.00	244	470794	28.81	ng	0.00

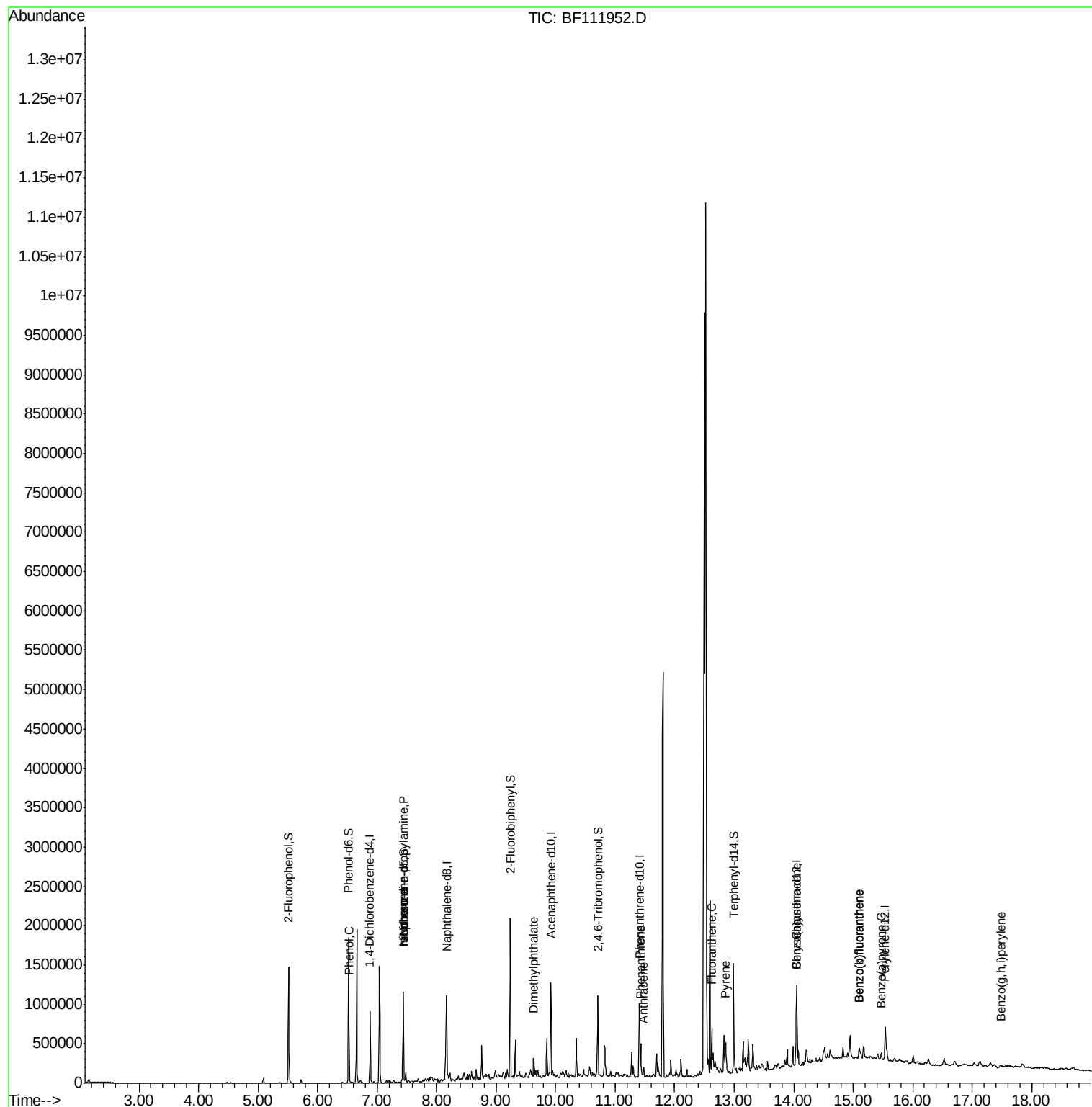
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	429	Below Cal		# 68
10) Phenol	6.53	94	23088	2.138	ng	78
19) n-Nitroso-di-n-propylamine	7.44	70	45447	7.041	ng	# 77
25) Isophorone	7.44	82	320936	22.118	ng	# 65
50) Dimethylphthalate	9.63	163	61604	3.884	ng	99
71) Phenanthrene	11.43	178	161620	9.228	ng	99
72) Anthracene	11.48	178	47285	2.660	ng	97
75) Fluoranthene	12.62	202	201201	11.190	ng	99
78) Pyrene	12.86	202	172813	8.097	ng	98
81) Benzo(a)anthracene	14.04	228	89541	5.016	ng	99
83) Chrysene	14.04	228	89541	5.261	ng	96
88) Benzo(b)fluoranthene	15.10	252	97583	7.655	ng	# 93
89) Benzo(k)fluoranthene	15.10	252	97583	8.144	ng	# 94
90) Benzo(a)pyrene	15.47	252	48204	4.301	ng	# 88
92) Benzo(a,h,i)perylene	17.49	276	26310	2.984	ng	94

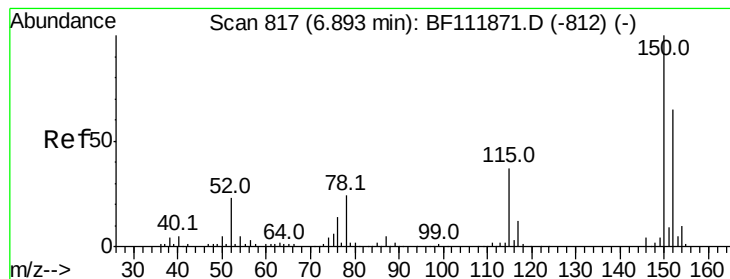
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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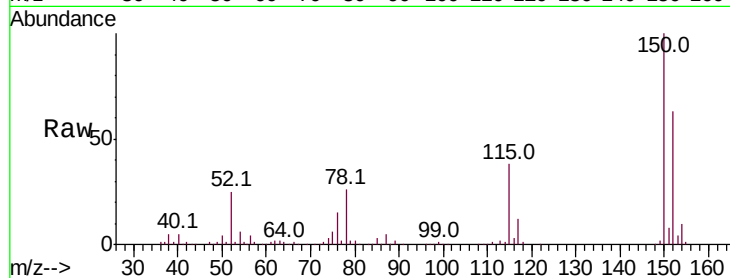


#1

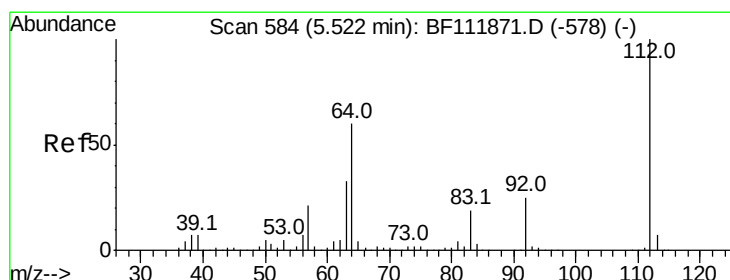
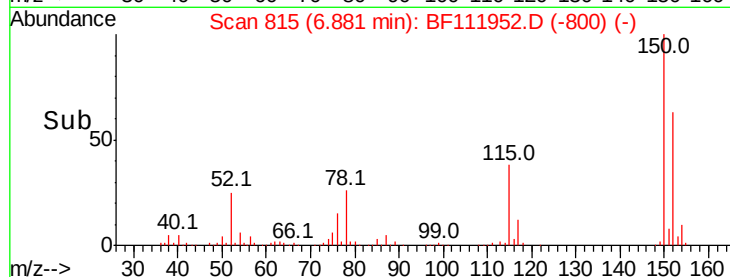
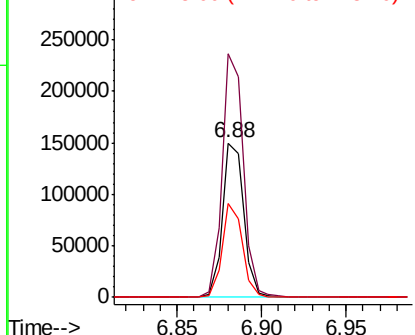
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131861
Ion Ratio Lower Upper
152 100
150 158.0 122.7 184.1
115 60.7 45.2 67.8



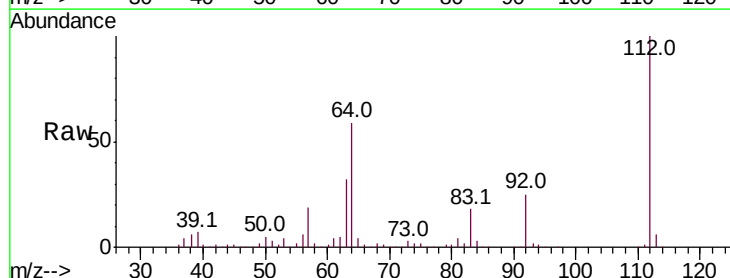
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



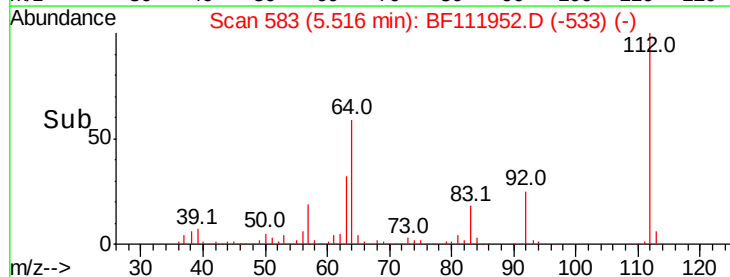
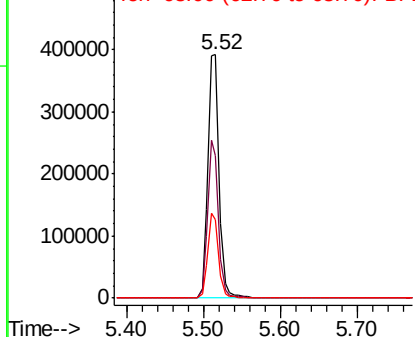
#5

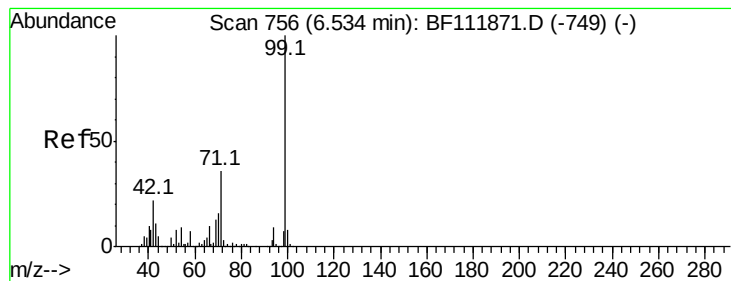
2-Fluorophenol
Concen: 51.431 ng
RT: 5.52 min Scan# 583
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:112 Resp: 396406
Ion Ratio Lower Upper
112 100
64 58.7 48.3 72.5
63 32.3 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: 53.219 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :

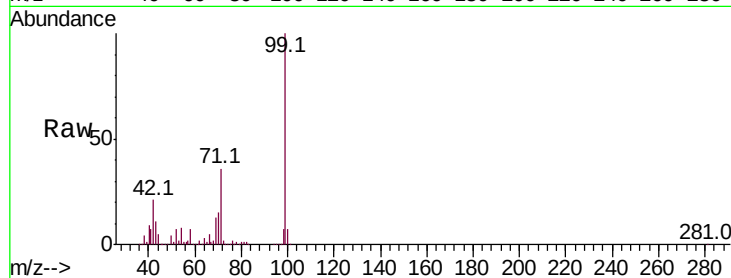
Tot Ion: 99 Resp: 528678

Ion Ratio Lower Upper

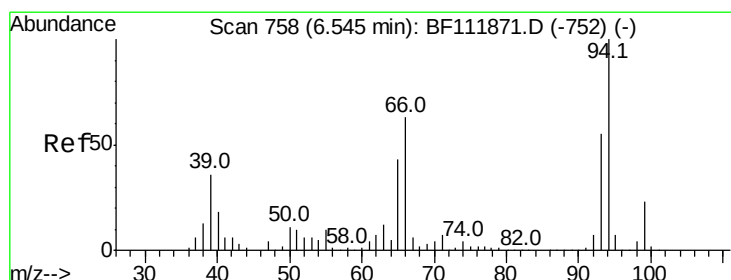
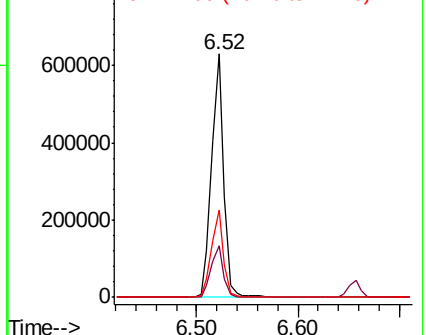
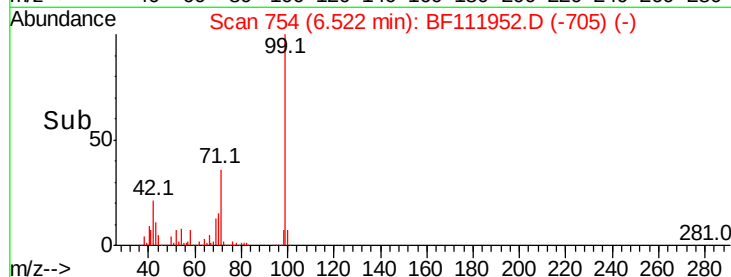
99 100

42 21.3 17.9 26.9

71 36.1 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: 2.138 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

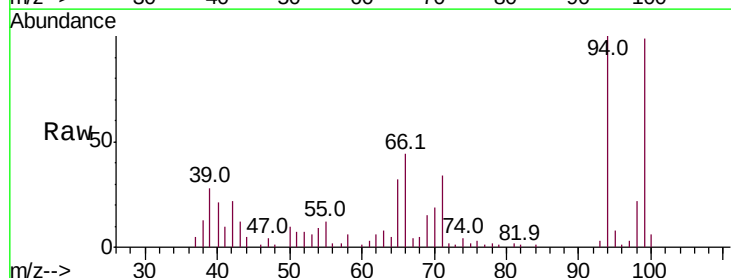
Tgt Ion: 94 Resp: 23088

Ion Ratio Lower Upper

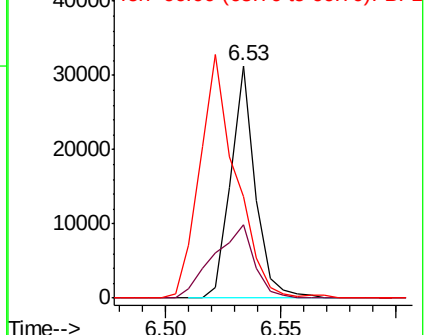
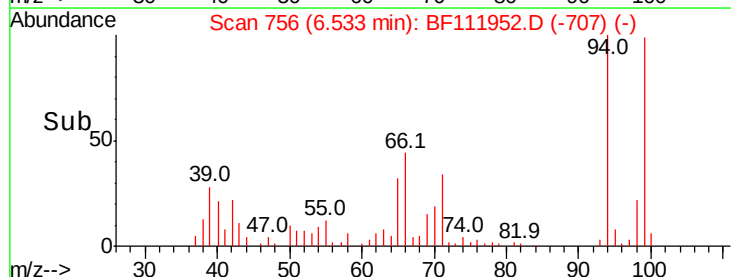
94 100

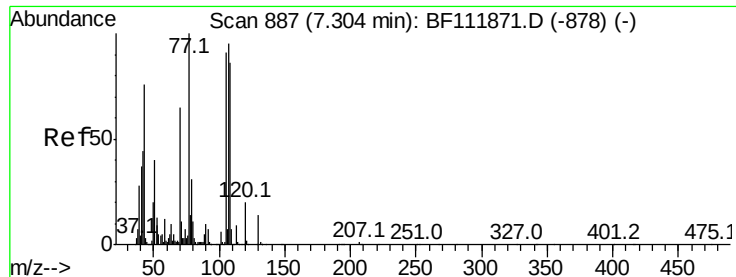
65 31.6 22.8 62.8

66 43.7 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





#19

n-Nitroso-di-n-propylamine

Concen: 7.041 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.14 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 45447

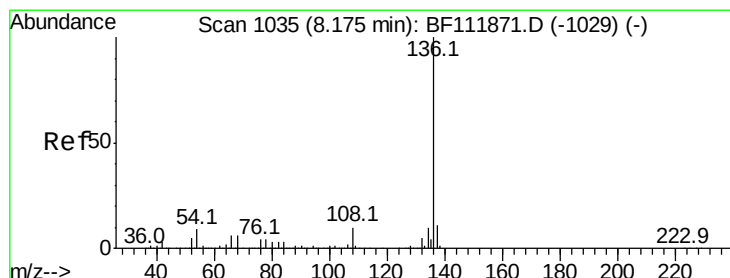
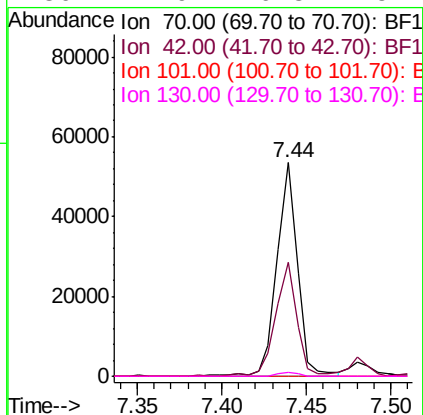
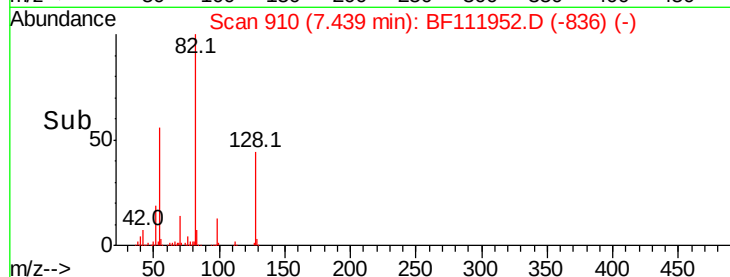
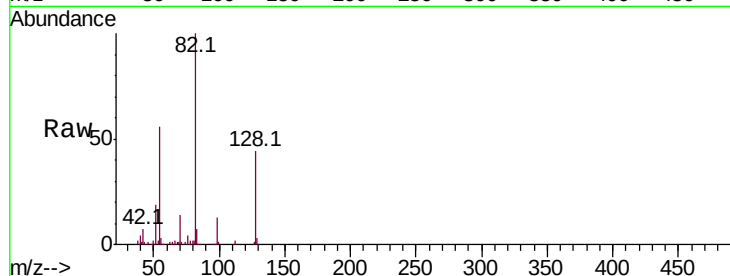
Ion Ratio Lower Upper

70 100

42 53.4 53.6 80.4#

101 0.0 7.3 10.9#

130 1.9 16.8 25.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Tgt Ion: 136 Resp: 478916

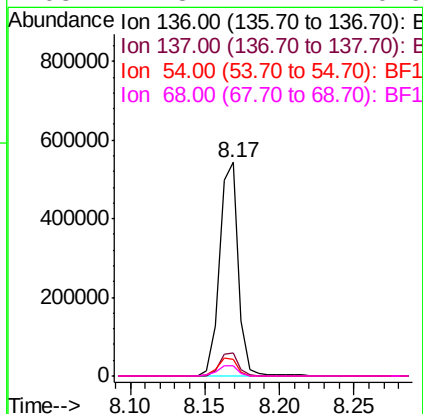
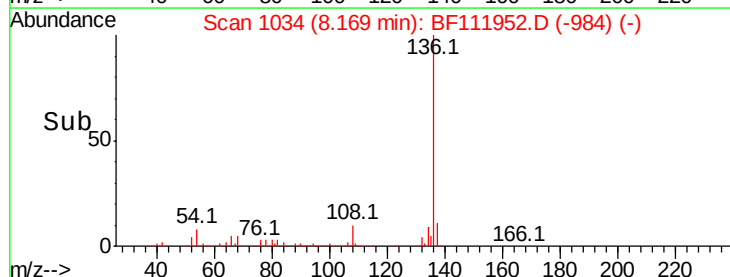
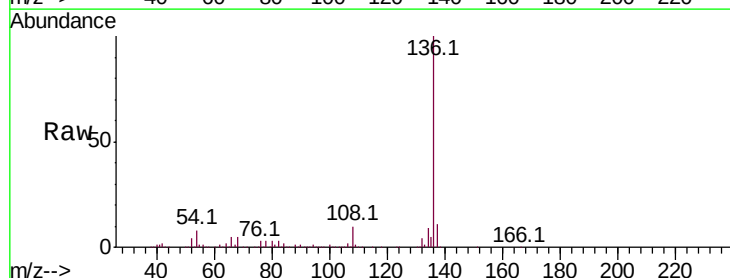
Ion Ratio Lower Upper

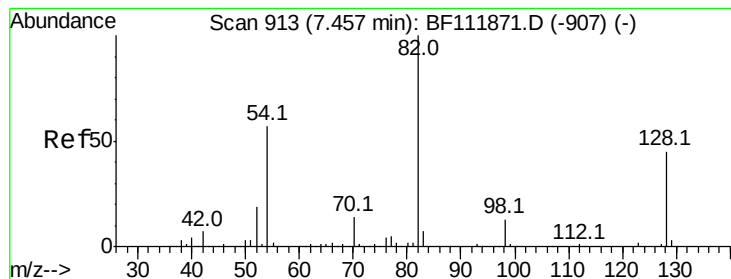
136 100

137 10.6 9.1 13.7

54 7.6 7.2 10.8

68 4.8 4.4 6.6





#23

Nitrobenzene-d5

Concen: 36.279 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :

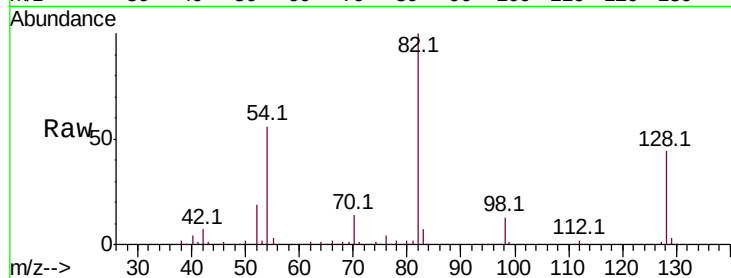
Tot Ion: 82 Resp: 325093

Ion Ratio Lower Upper

82 100

128 44.2 35.7 53.5

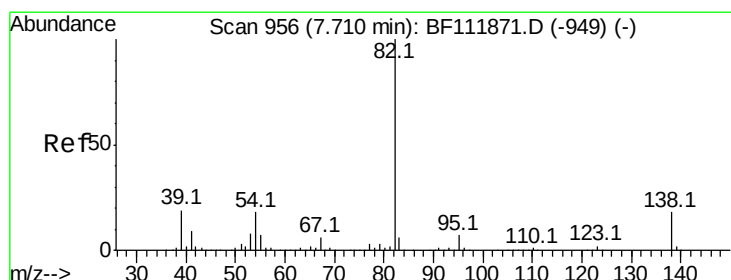
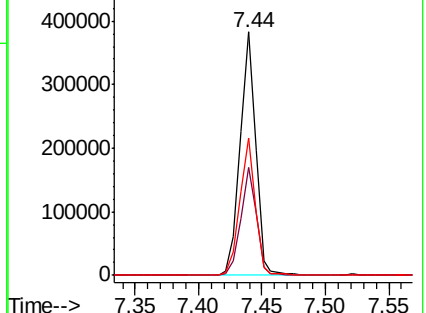
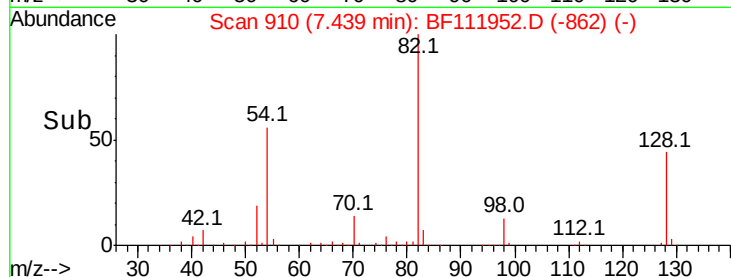
54 56.3 45.8 68.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 22.118 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.27 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

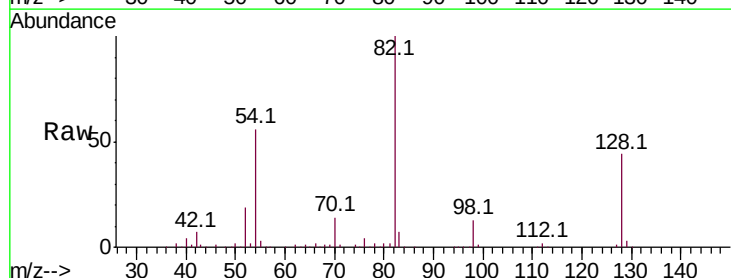
Tgt Ion: 82 Resp: 320936

Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.6#

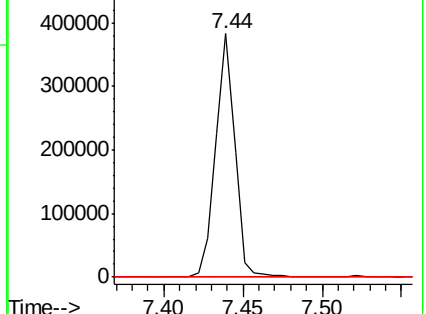
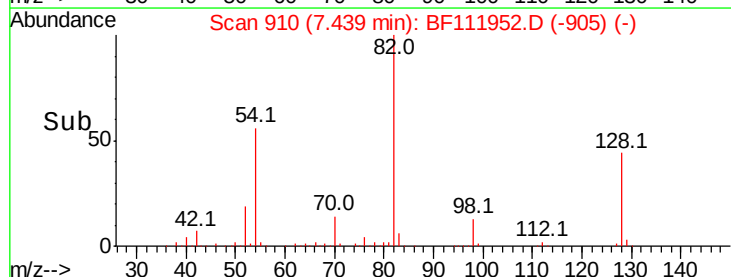
138 0.0 14.4 21.6#

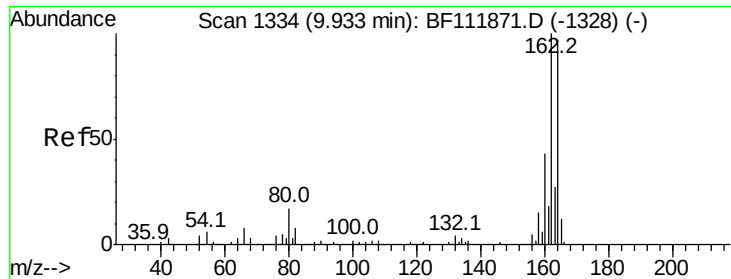


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

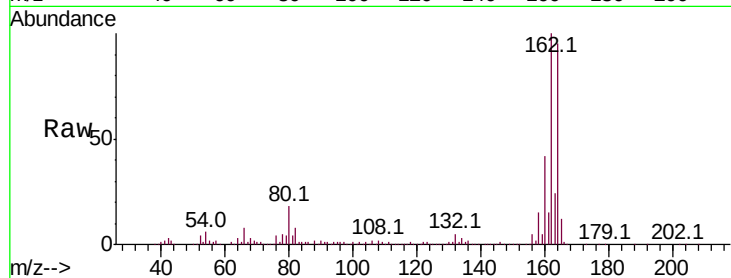




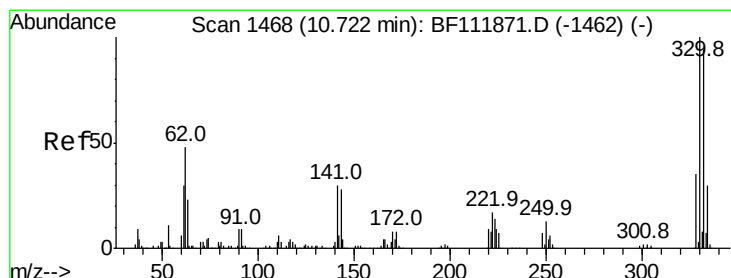
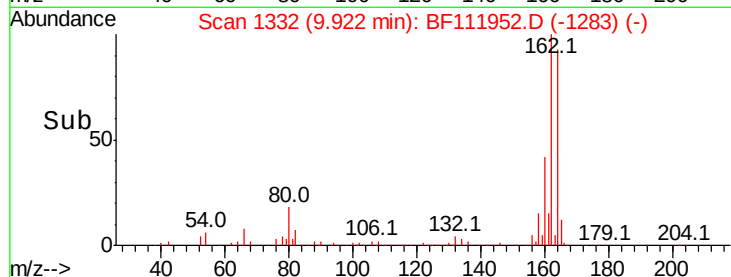
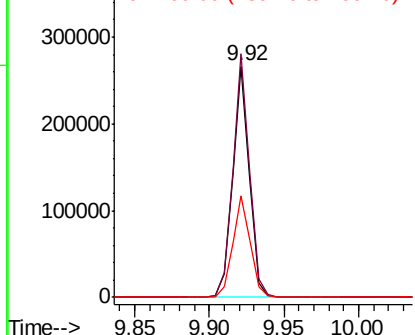
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 211162
Ion Ratio Lower Upper
164 100
162 105.3 82.2 123.2
160 43.8 35.5 53.3

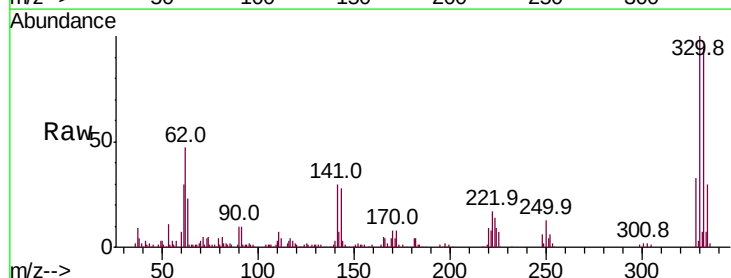


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

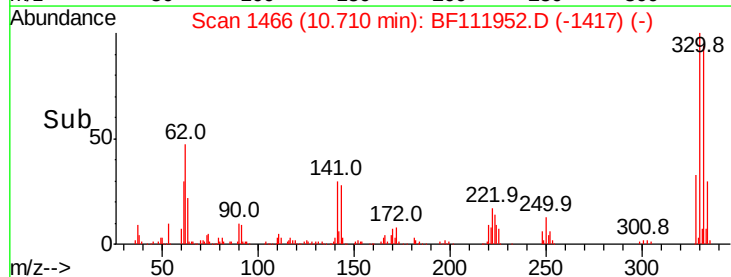
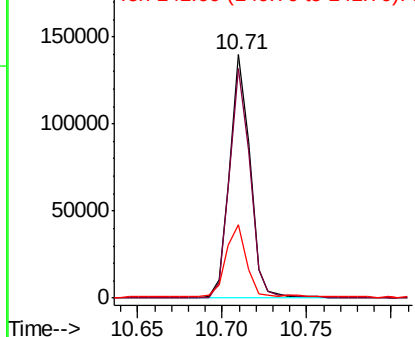


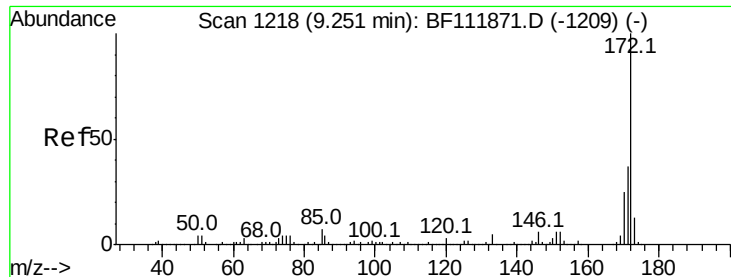
#42
2,4,6-Tribromophenol
Concen: 42.667 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:330 Resp: 117189
Ion Ratio Lower Upper
330 100
332 95.0 76.9 115.3
141 29.9 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

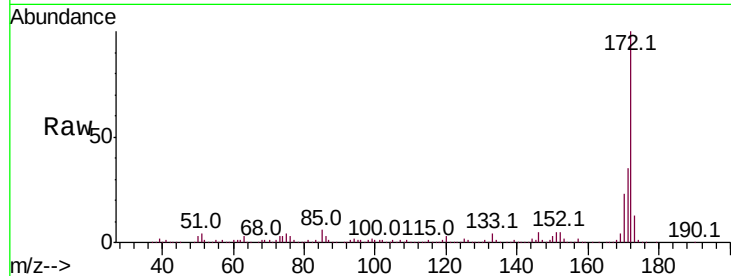




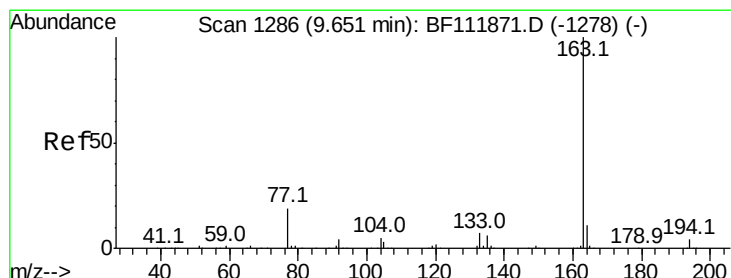
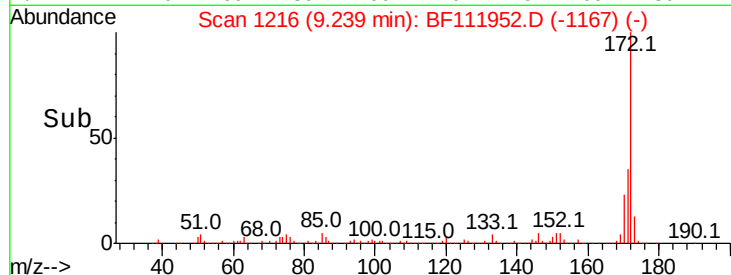
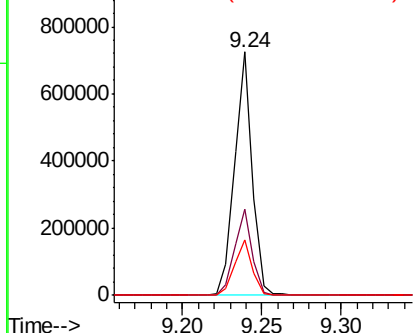
#45
2-Fluorobiphenyl
Concen: 38.660 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 559839
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 22.8 19.8 29.8

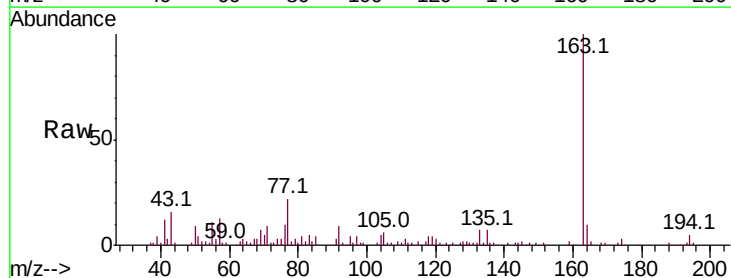


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

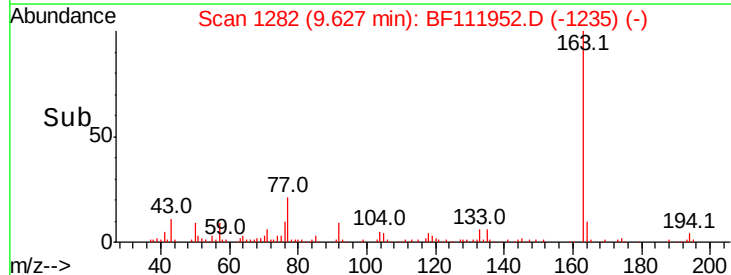
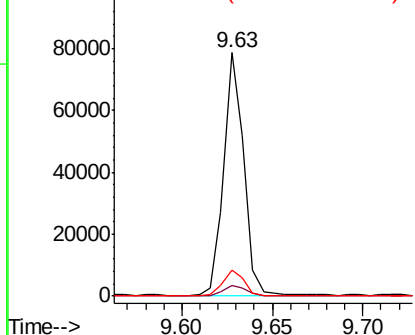


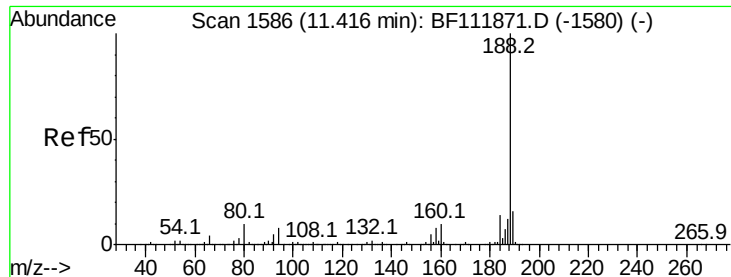
#50
Dimethylphthalate
Concen: 3.884 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:163 Resp: 61604
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 10.5 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: BF111952.D

Acq: 9 Jan 2019 16:32

Instrument :

BNA_F

ClientSampled :

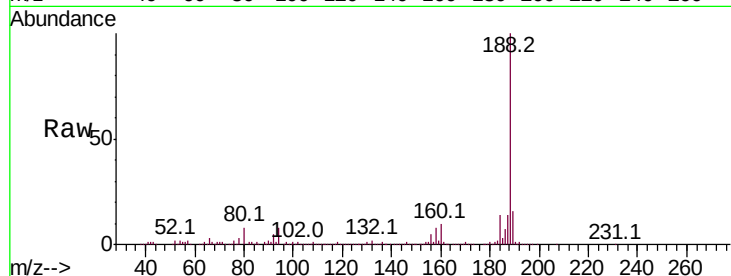
Tot Ion:188 Resp: 327587

Ion Ratio Lower Upper

188 100

94 7.7 6.6 10.0

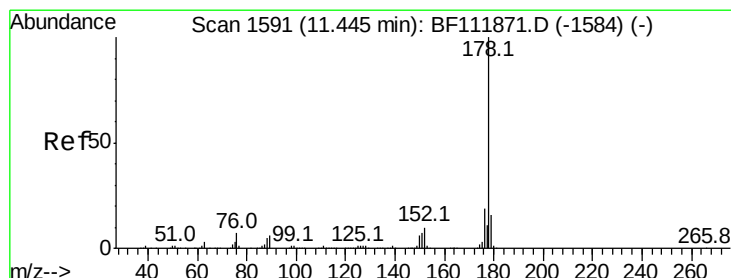
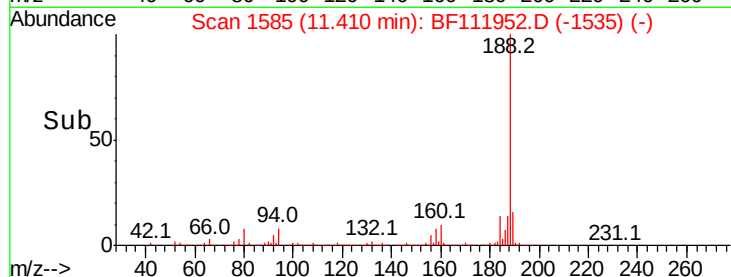
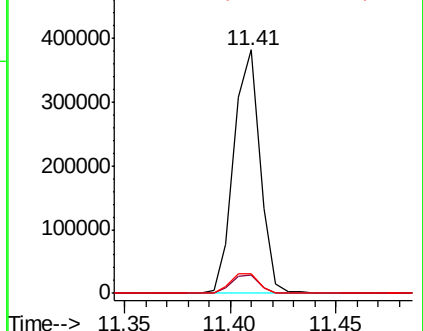
80 8.0 7.7 11.5



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: 9.228 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

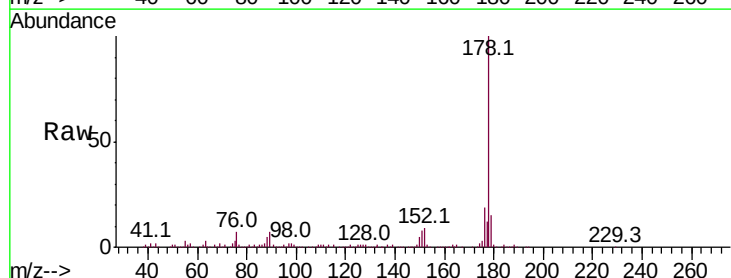
Tgt Ion:178 Resp: 161620

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

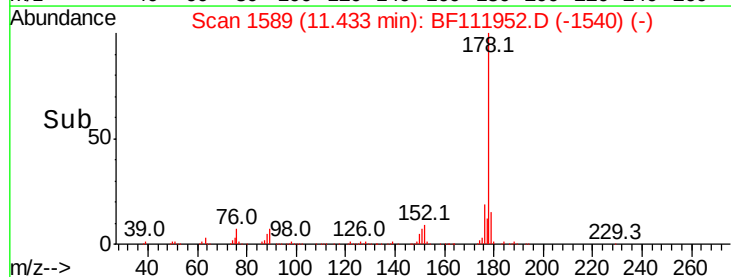
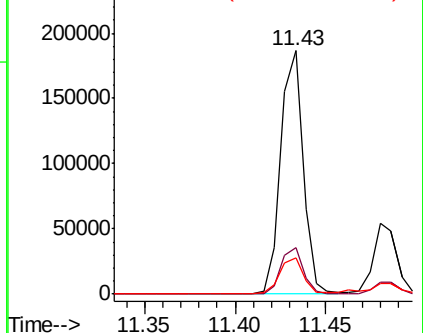
179 14.9 12.6 18.8

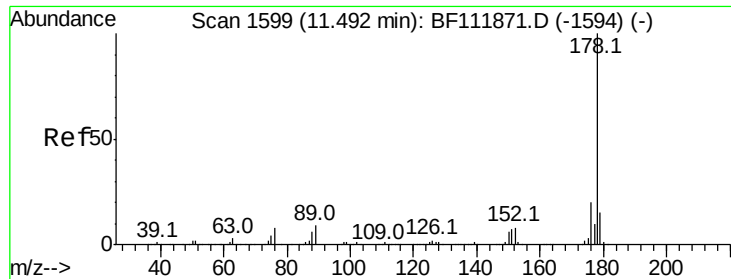


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.660 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

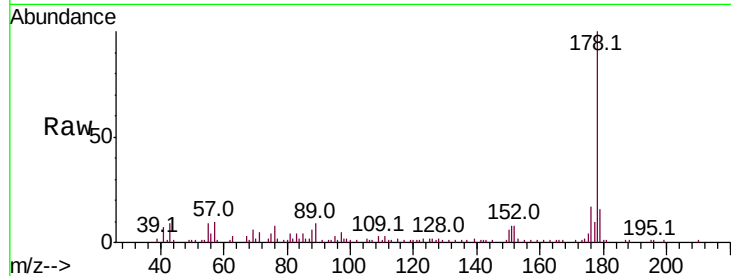
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 47285

Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.7	23.5
179	15.5	12.4	18.6

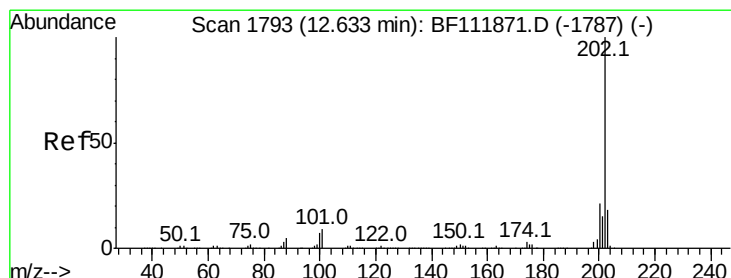
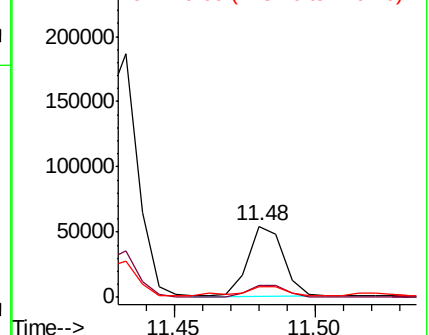
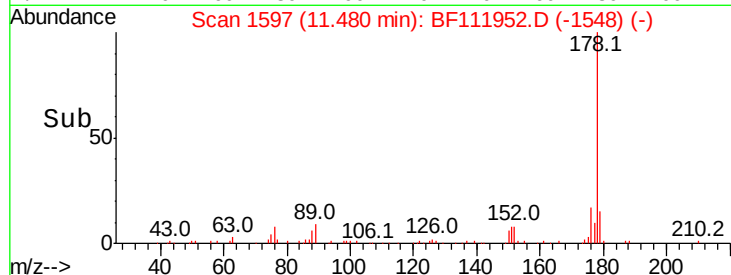


Abundance

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: 11.190 ng

RT: 12.62 min Scan# 1791

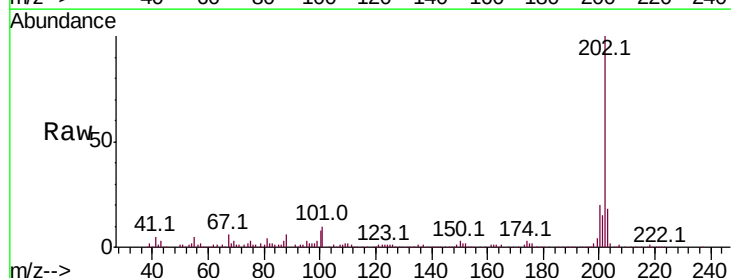
Delta R.T. -0.01 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Tgt Ion:202 Resp: 201201

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	29.3
203	17.5	0.0	37.6

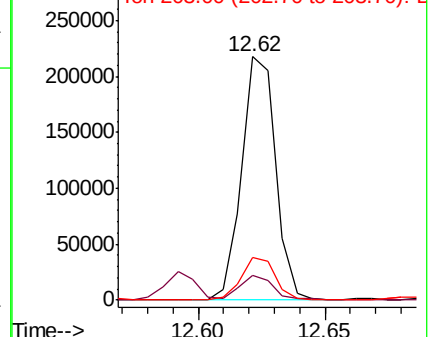
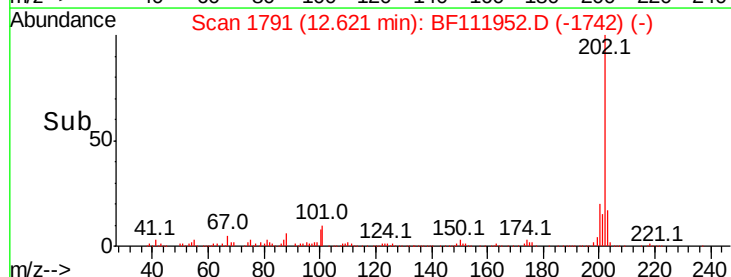


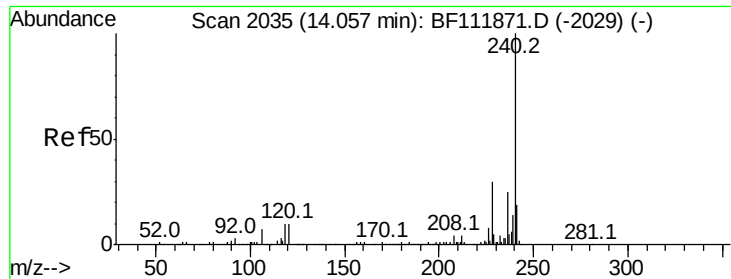
Abundance

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

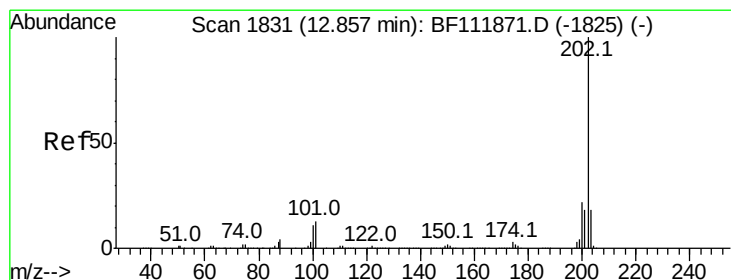
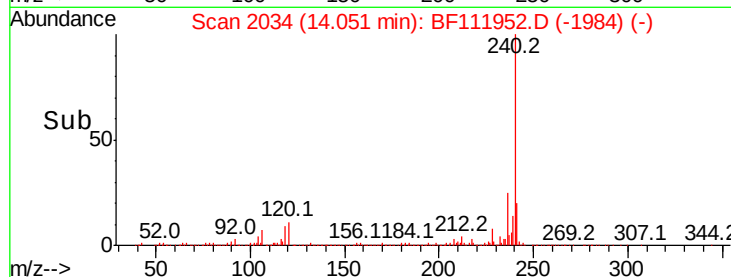
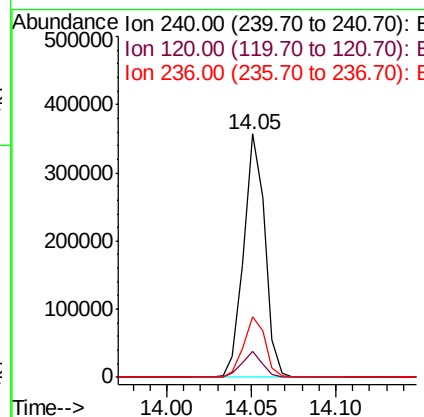
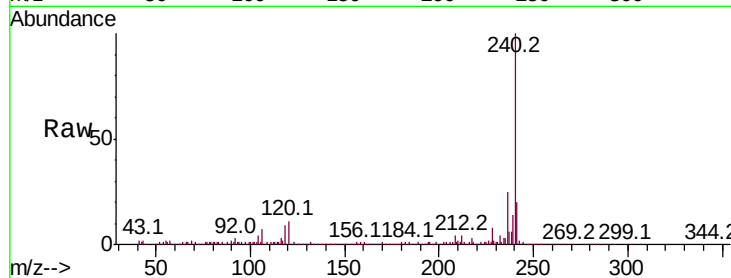




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

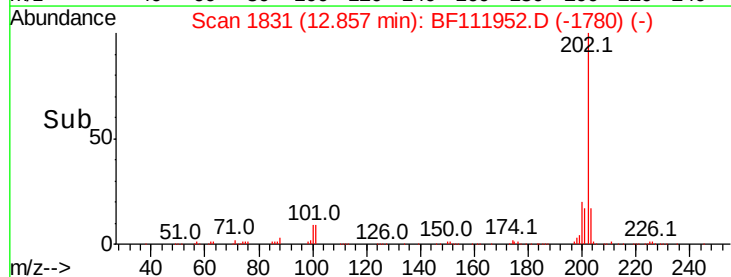
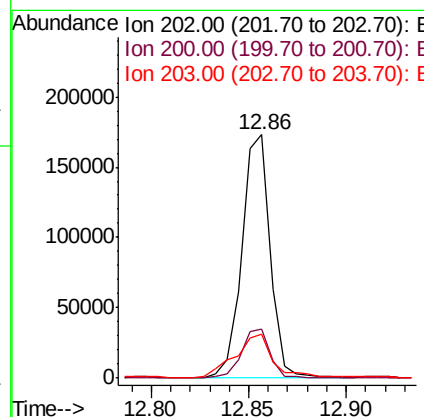
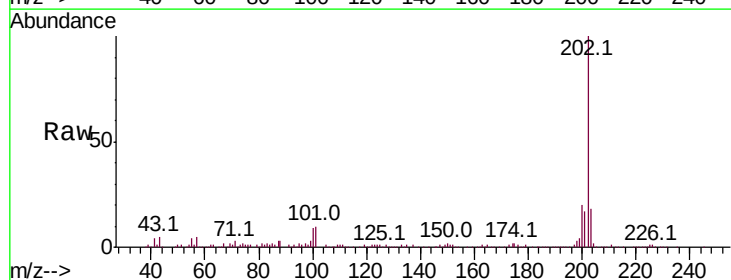
Instrument :
BNA_F
ClientSampleId :

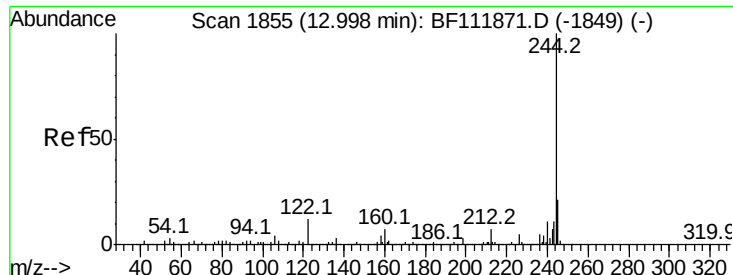
Tot Ion:240 Resp: 310181
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 24.9 20.2 30.4



#78
Pyrene
Concen: 8.097 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:202 Resp: 172813
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 28.811 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Instrument :

BNA_F

ClientSampleId :

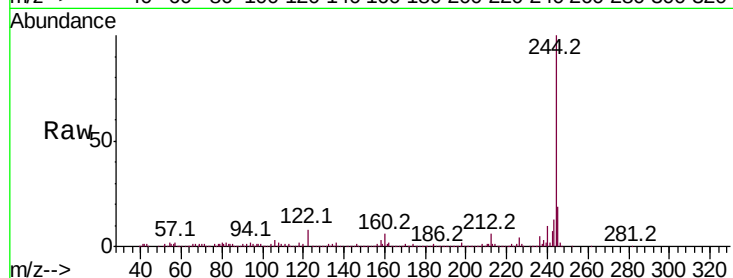
Tot Ion:244 Resp: 470794

Ion Ratio Lower Upper

244 100

212 6.2 5.8 8.8

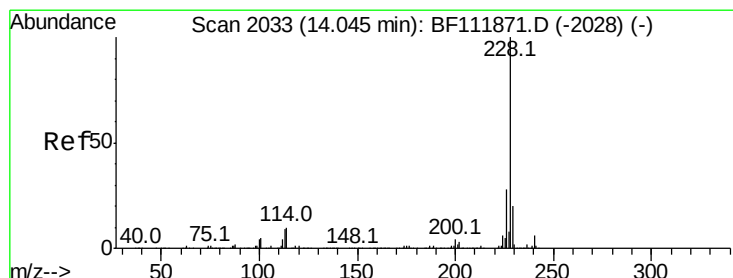
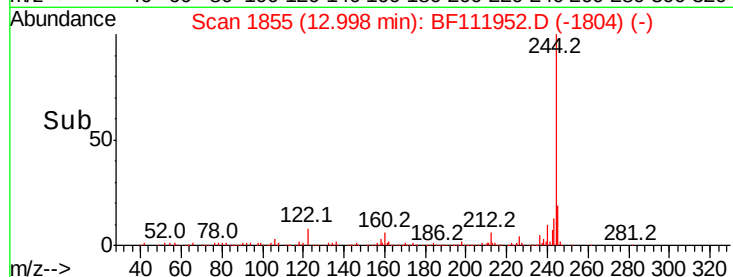
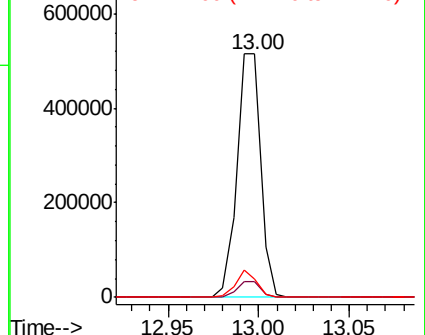
122 7.8 9.5 14.3#



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



#81

Benzo(a)anthracene

Concen: 5.016 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

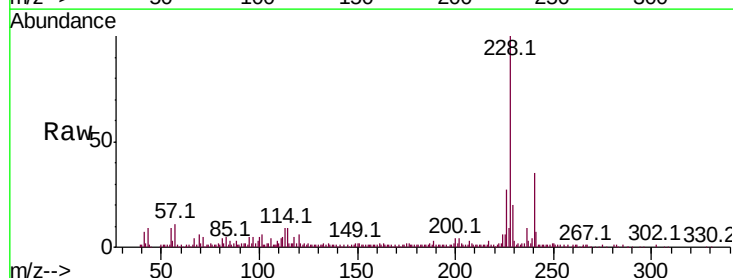
Tgt Ion:228 Resp: 89541

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.2

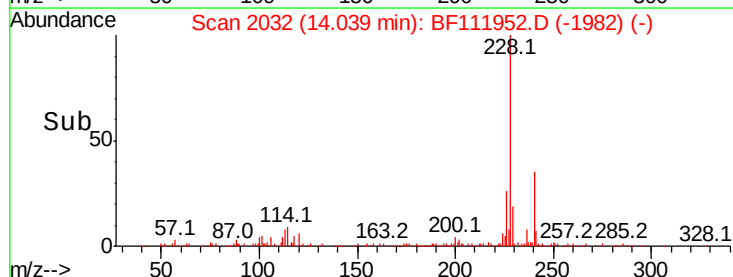
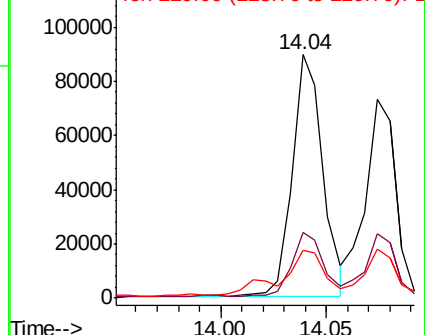
229 19.8 16.2 24.2

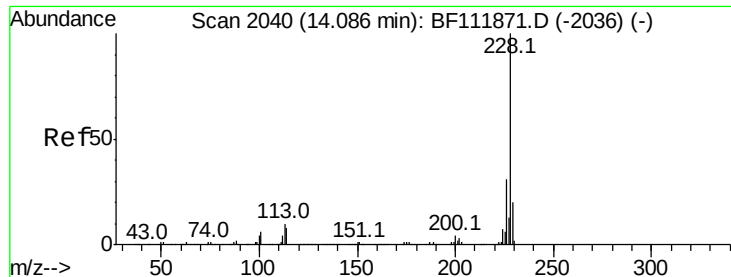


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

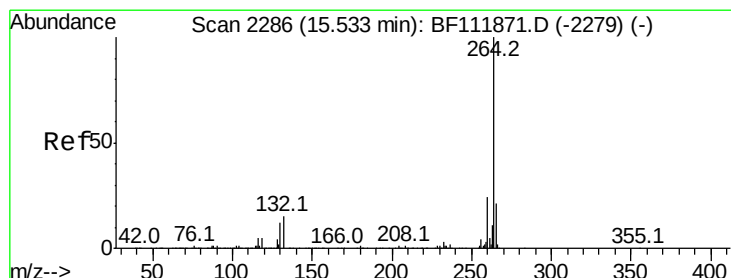
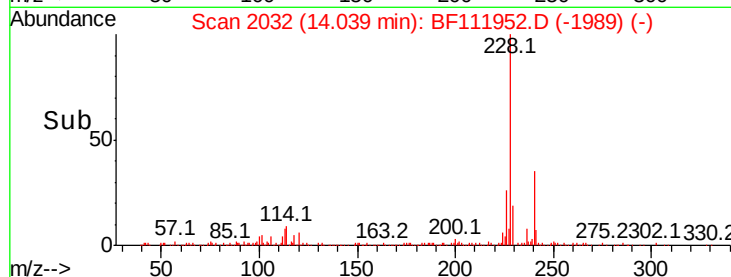
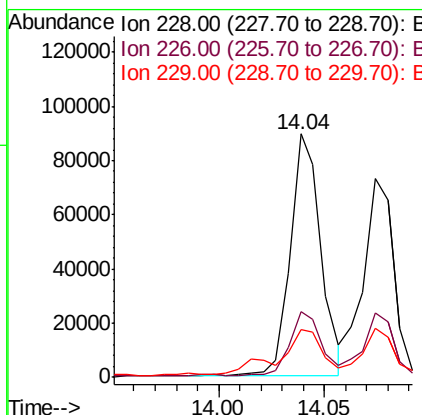
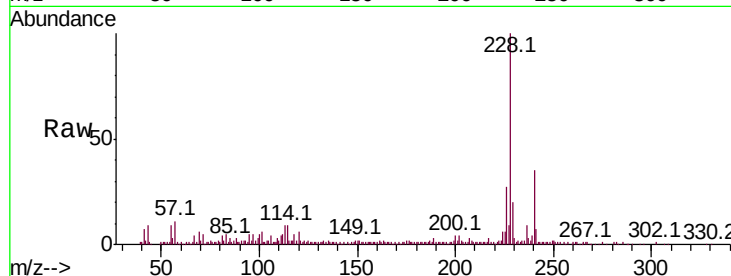




#83
Chrysene
Concen: 5.261 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.05 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

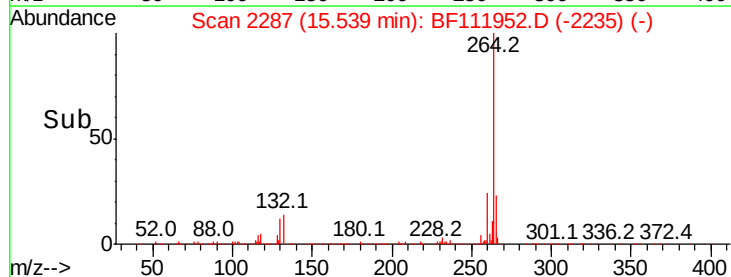
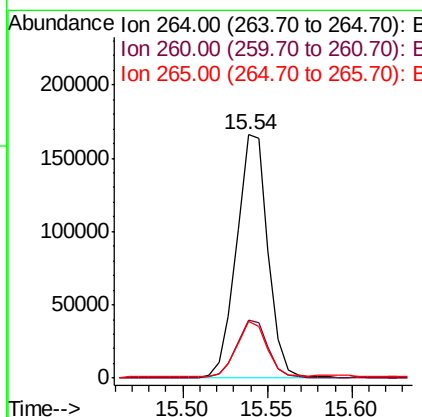
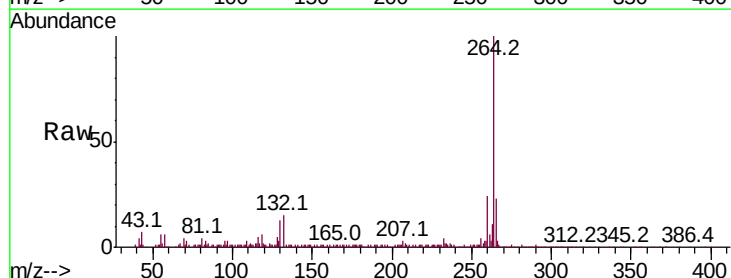
Instrument :
BNA_F
ClientSampleId :

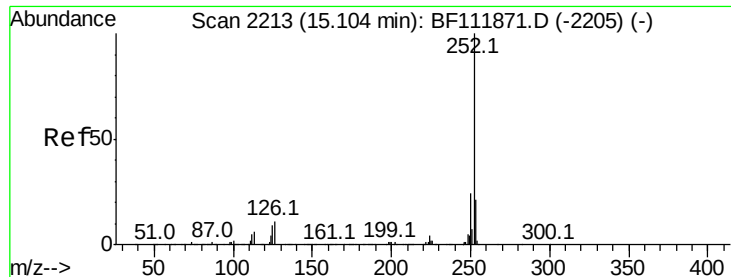
Tot Ion:228 Resp: 89541
Ion Ratio Lower Upper
228 100
226 27.2 24.6 37.0
229 19.8 15.7 23.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion:264 Resp: 213105
Ion Ratio Lower Upper
264 100
260 23.8 19.2 28.8
265 23.1 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 7.655 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.00 min

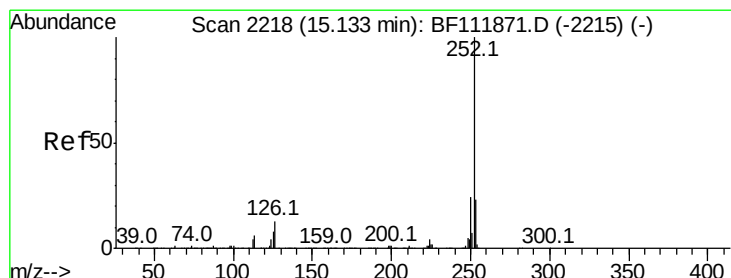
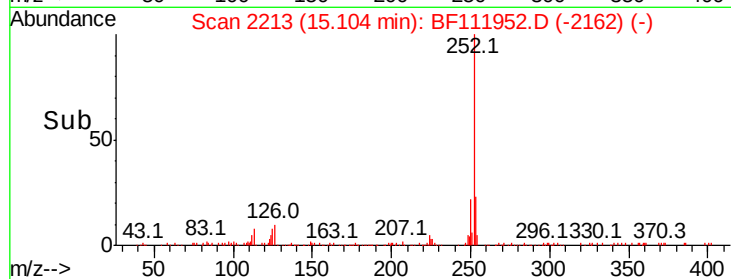
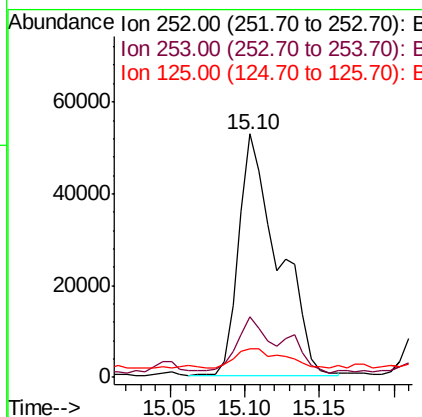
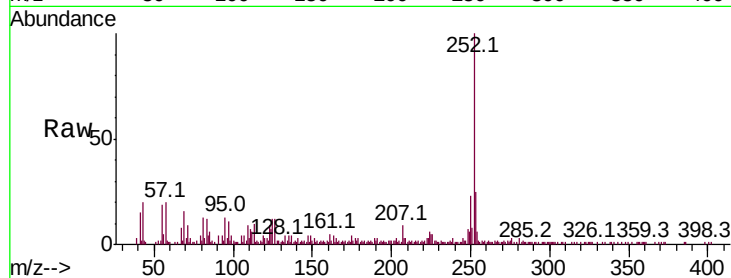
Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 97583

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	11.5	7.1	10.7#



#89

Benzo(k)fluoranthene

Concen: 8.144 ng

RT: 15.10 min Scan# 2213

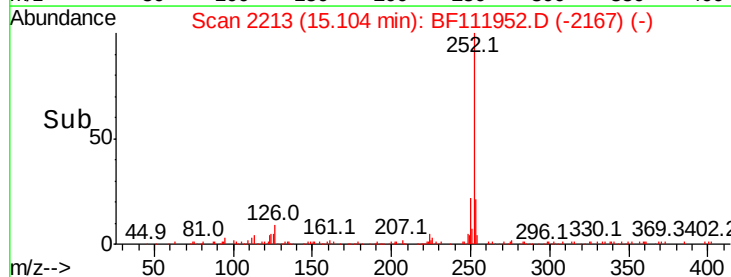
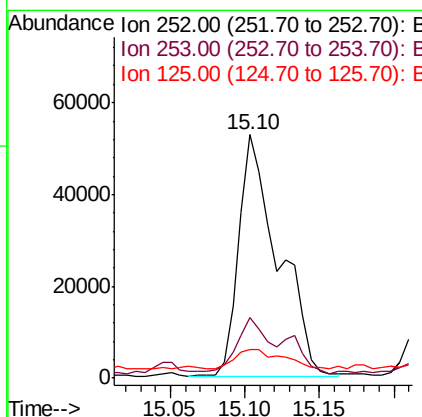
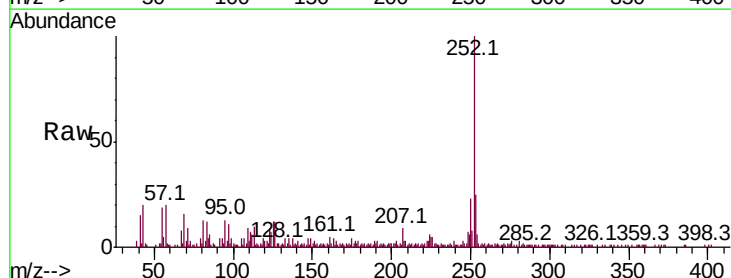
Delta R.T. -0.03 min

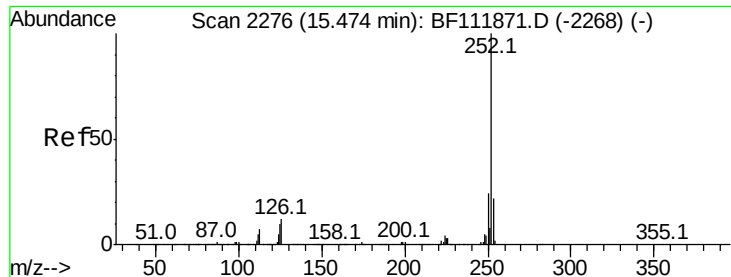
Lab File: BF111952.D

Acq: 9 Jan 2019 16:32

Tgt Ion:252 Resp: 97583

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.6
125	11.5	7.0	10.4#

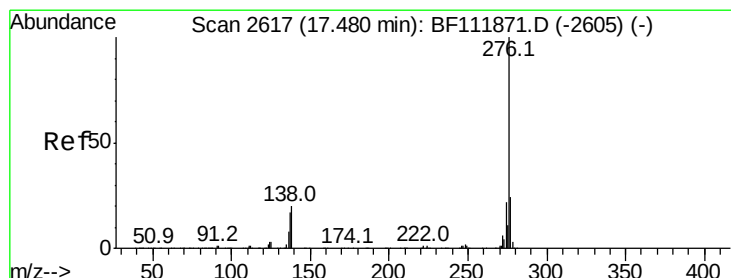
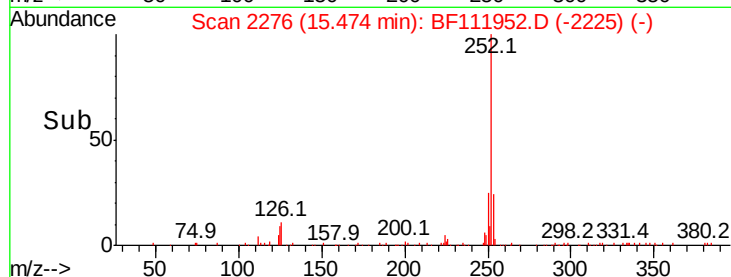
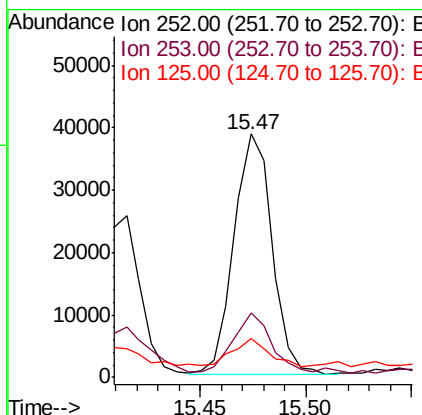
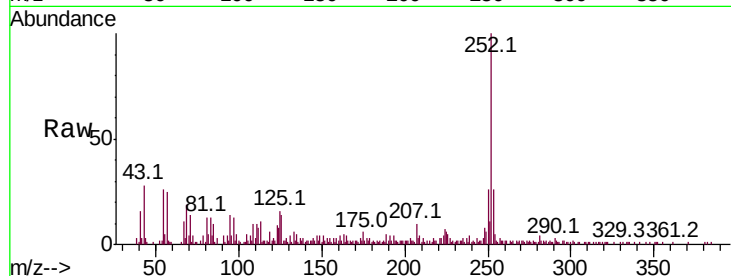




#90
Benzo(a)pyrene
Concen: 4.301 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.4	26.2#
125	15.8	7.9	11.9#



#92
Benzo(g,h,i)perylene
Concen: 2.984 ng
RT: 17.49 min Scan# 2618
Delta R.T. 0.01 min
Lab File: BF111952.D
Acq: 9 Jan 2019 16:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.0	28.6
138	21.5	16.2	24.2

