

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
 Data File : BF114993.D
 Acq On : 13 Jun 2019 10:26
 Operator : HP/JU
 Sample : K3159-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061119-B

Quant Time: Jun 13 17:31:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	310253	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1177360	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	507939	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	760652	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	586239	20.00	ng	-0.01
87) Perylene-d12	15.14	264	604879	20.00	ng	0.00

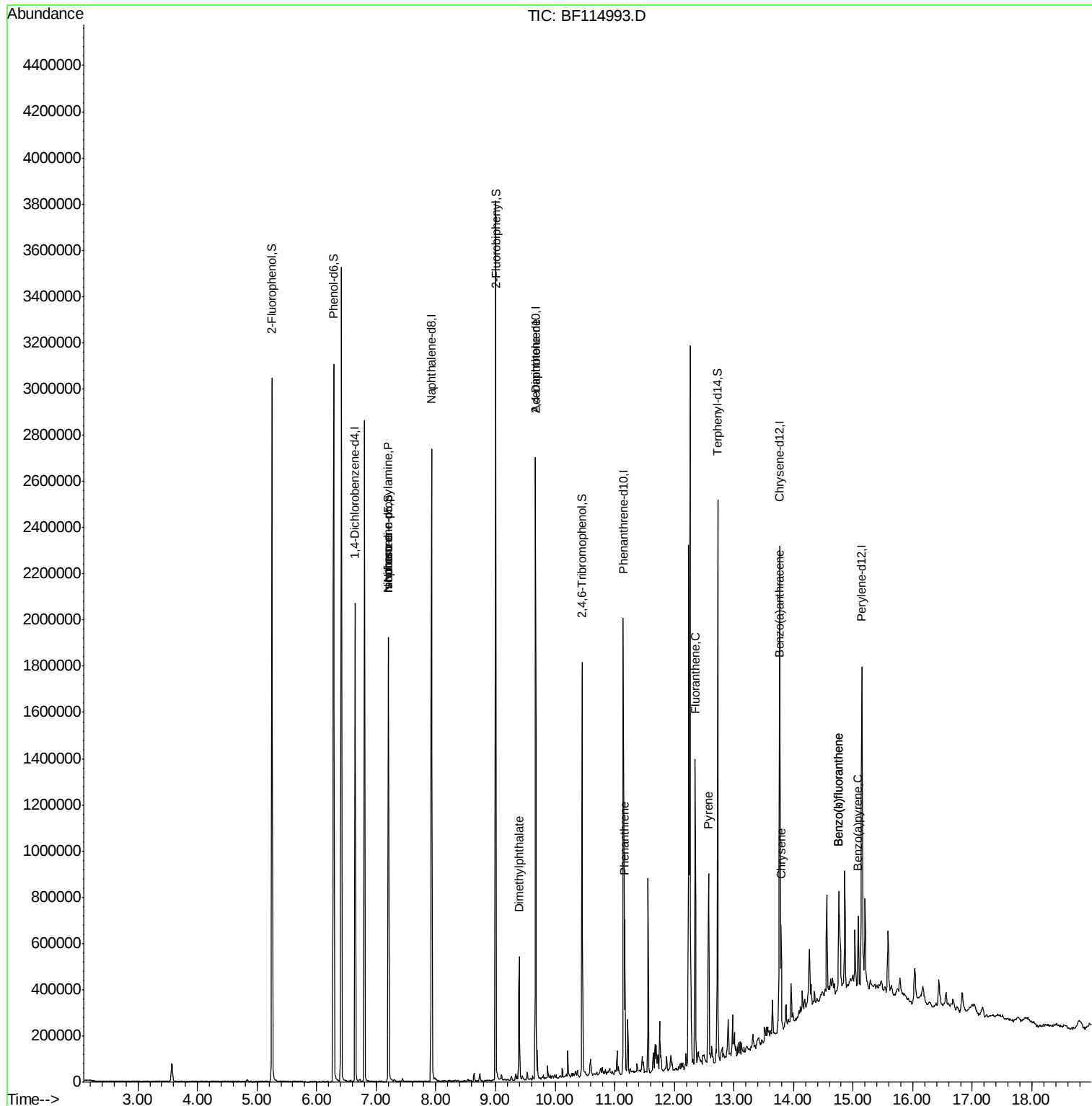
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	883594	47.56	ng	0.00
7) Phenol-d6	6.29	99	1086971	48.50	ng	-0.01
23) Nitrobenzene-d5	7.20	82	631652	32.29	ng	-0.01
42) 2,4,6-Tribromophenol	10.46	330	211305	38.85	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1112258	37.11	ng	0.00
79) Terphenyl-d14	12.73	244	775916	24.89	ng	-0.01

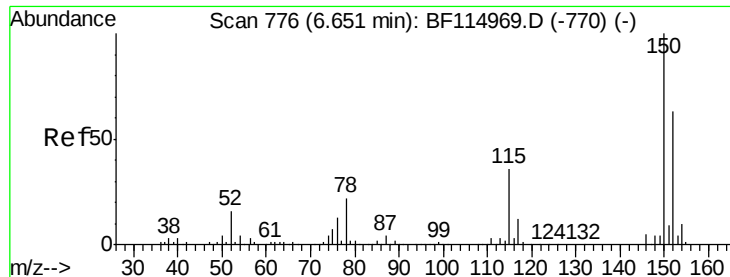
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.29	77	1795	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.20	70	81066	5.953	ng	# 79
25) Isophorone	7.20	82	622260	16.986	ng	# 62
50) Dimethylphthalate	9.40	163	206825	5.414	ng	# 98
57) 2,4-Dinitrotoluene	9.67	165	65771	5.964	ng	# 29
58) Fluorene	10.22	166	31547	Below Cal		96
71) Phenanthrene	11.17	178	229517	5.844	ng	97
75) Fluoranthene	12.35	202	361140	8.993	ng	98
78) Pyrene	12.57	202	321921	6.028	ng	96
81) Benzo(a)anthracene	13.76	228	189674	4.324	ng	98
83) Chrysene	13.79	228	162797	3.732	ng	96
88) Benzo(b)fluoranthene	14.76	252	283480	7.050	ng	97
89) Benzo(k)fluoranthene	14.76	252	283480	8.032	ng	# 96
90) Benzo(a)pyrene	15.09	252	143598	4.139	ng	95

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

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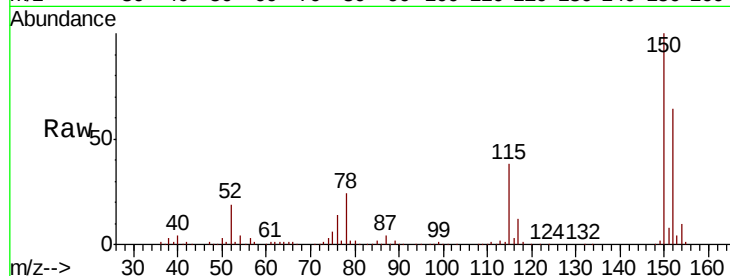


#1

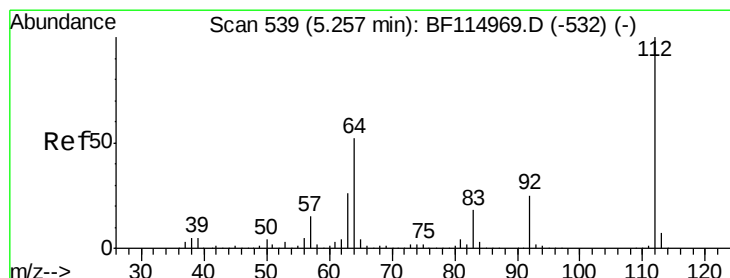
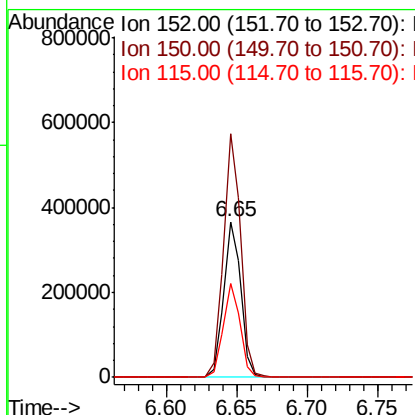
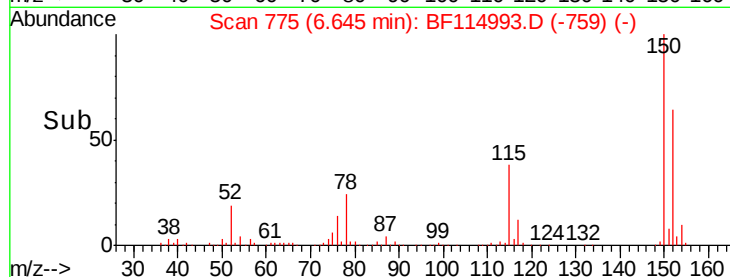
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-B

Tot Ion:152 Resp: 310253
Ion Ratio Lower Upper
152 100
150 156.3 127.4 191.0
115 59.9 46.0 69.0



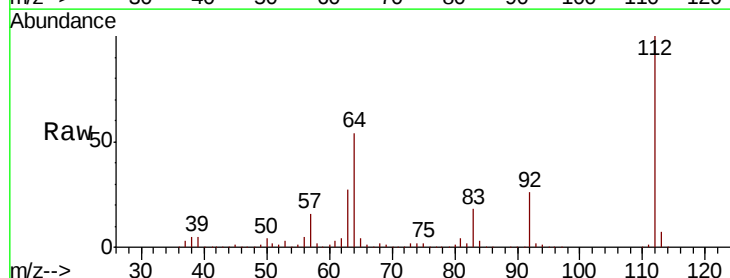
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



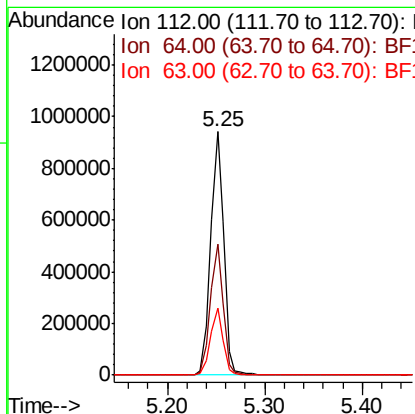
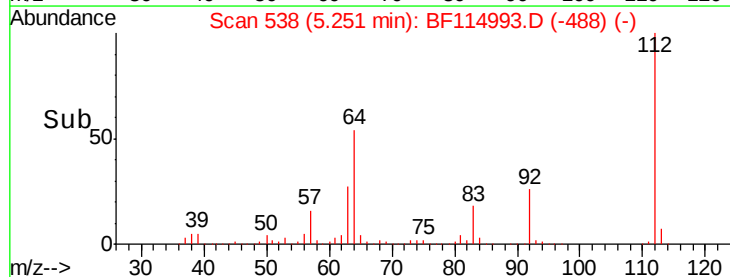
#5

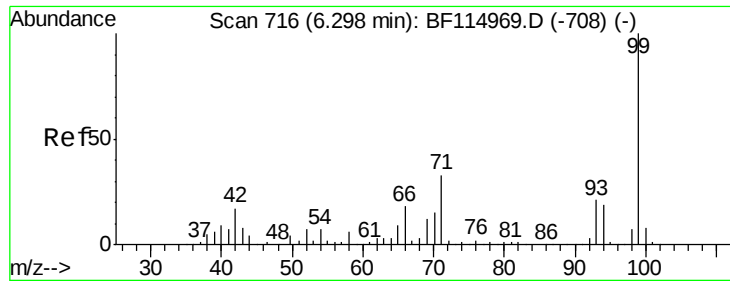
2-Fluorophenol
Concen: 47.555 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

Tgt Ion:112 Resp: 883594
Ion Ratio Lower Upper
112 100
64 53.7 41.6 62.4
63 27.3 20.9 31.3



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: 48.497 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF114993.D

Acq: 13 Jun 2019 10:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061119-B

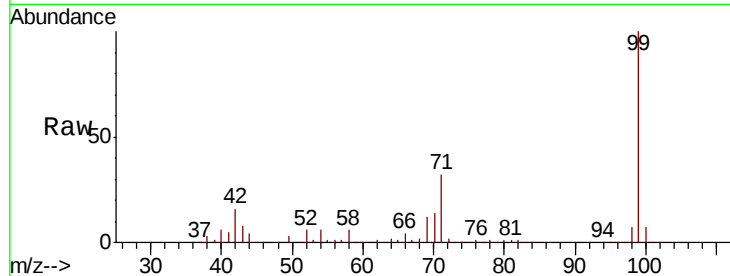
Tot Ion: 99 Resp: 1086971

Ion Ratio Lower Upper

99 100

42 15.7 13.4 20.2

71 32.3 26.4 39.6

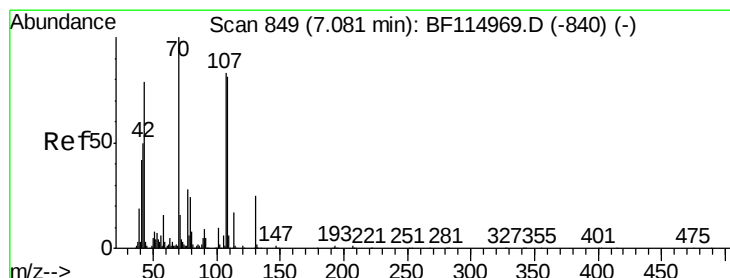
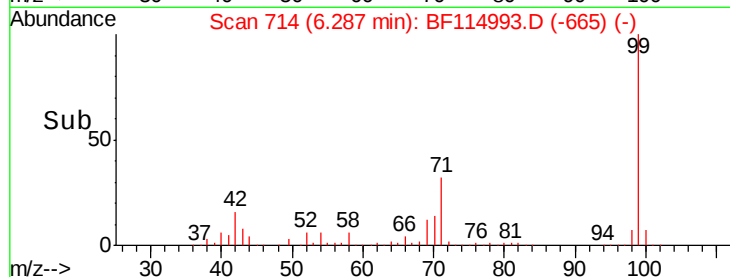
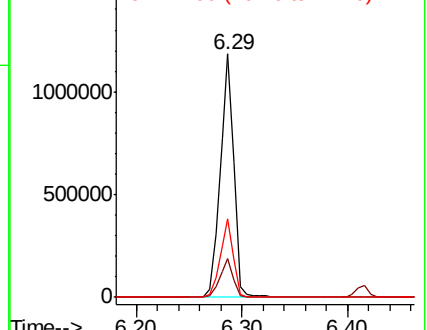


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 5.953 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.12 min

Lab File: BF114993.D

Acq: 13 Jun 2019 10:26

Tgt Ion: 70 Resp: 81066

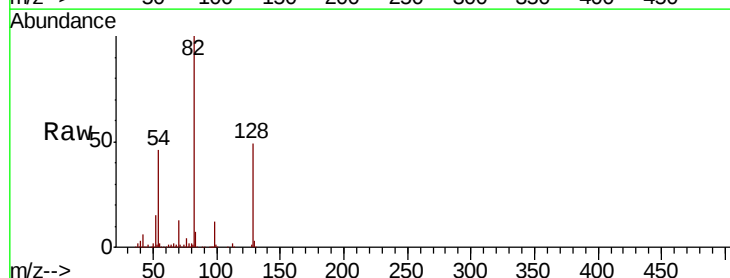
Ion Ratio Lower Upper

70 100

42 45.4 40.3 60.5

101 0.0 8.2 12.4#

130 2.8 20.3 30.5#



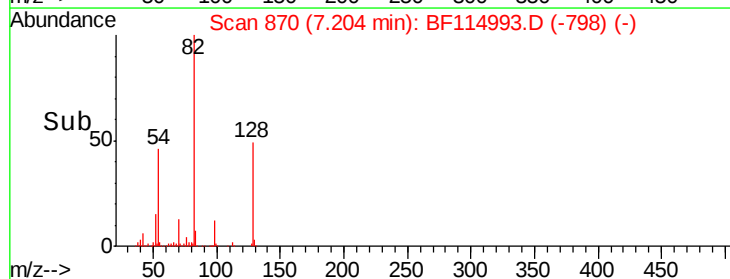
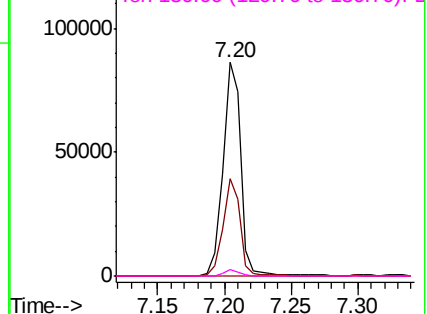
Abundance

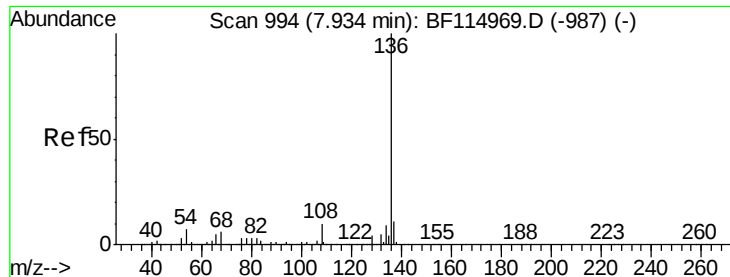
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



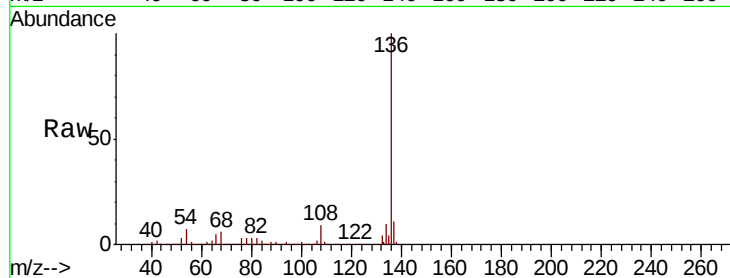


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

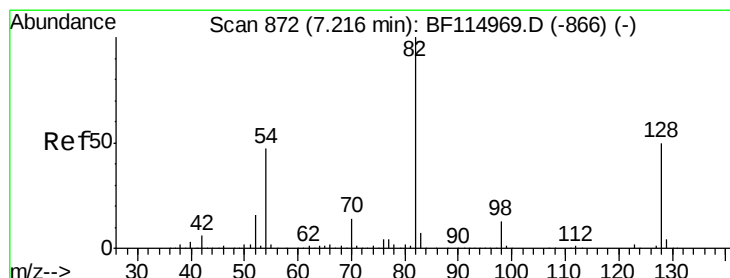
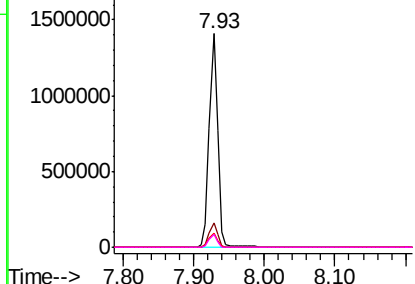
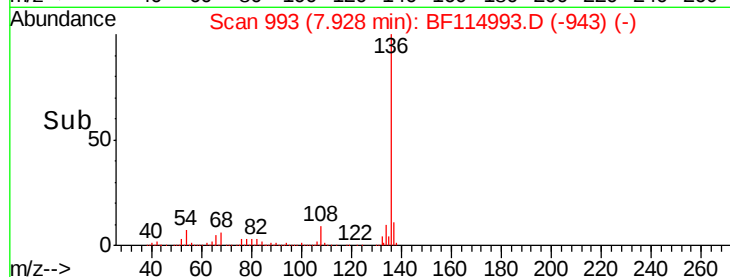
Instrument :
BNA_F
ClientSampleId :
OR-03-061119-B

Tot Ion:136 Resp: 1177360

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	6.6	5.4	8.0
68	5.8	4.6	7.0



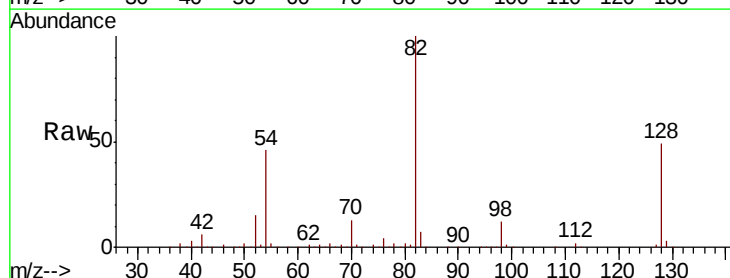
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



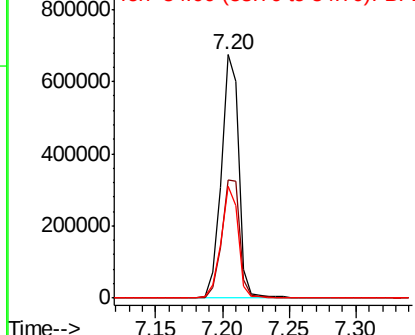
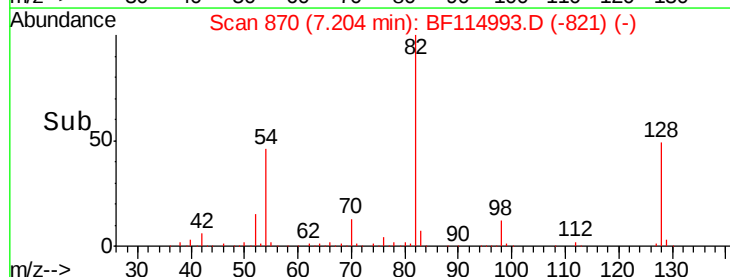
#23
Nitrobenzene-d5
Concen: 32.293 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

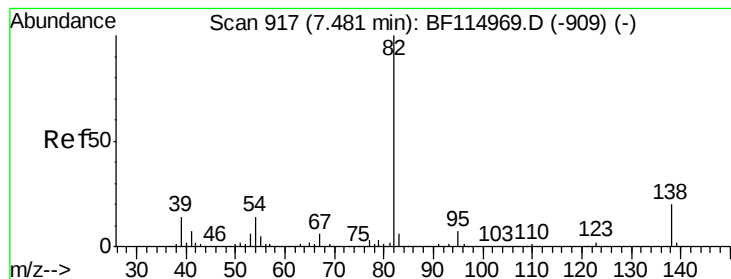
Tgt Ion: 82 Resp: 631652

Ion	Ratio	Lower	Upper
82	100		
128	48.6	39.9	59.9
54	45.8	37.3	55.9



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: 16.986 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.28 min

Lab File: BF114993.D

Acq: 13 Jun 2019 10:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061119-B

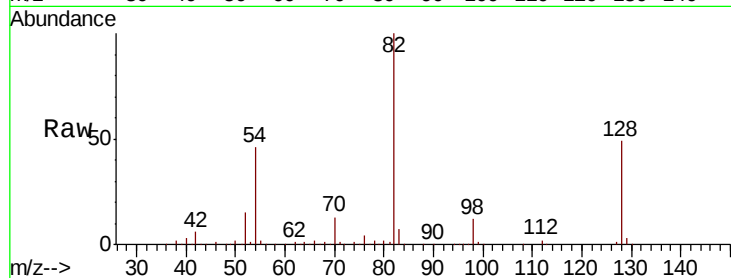
Tot Ion: 82 Resp: 622260

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

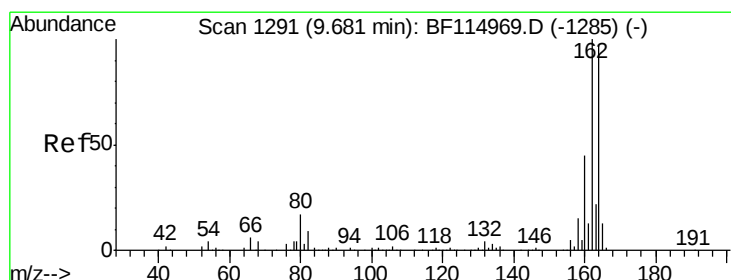
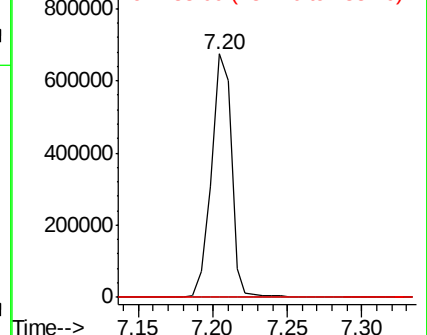
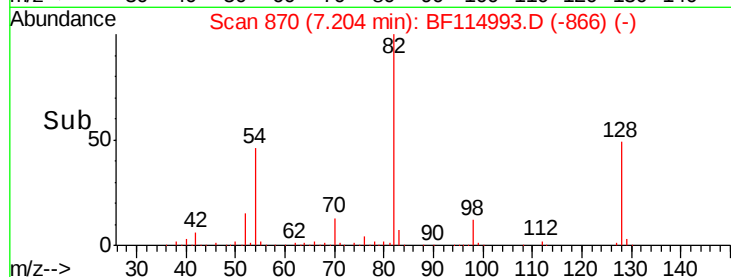
138 0.0 16.1 24.1#



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: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF114993.D

Acq: 13 Jun 2019 10:26

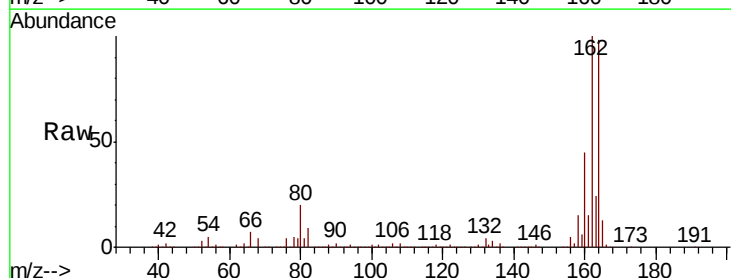
Tgt Ion: 164 Resp: 507939

Ion Ratio Lower Upper

164 100

162 102.1 82.6 124.0

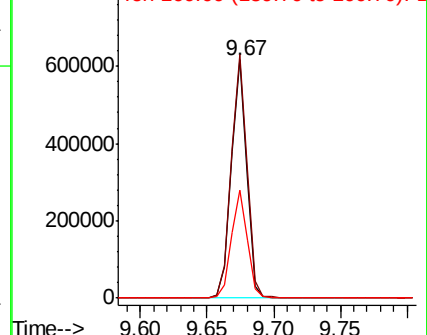
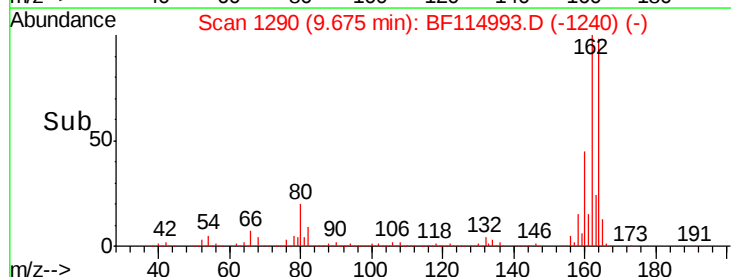
160 45.5 36.9 55.3

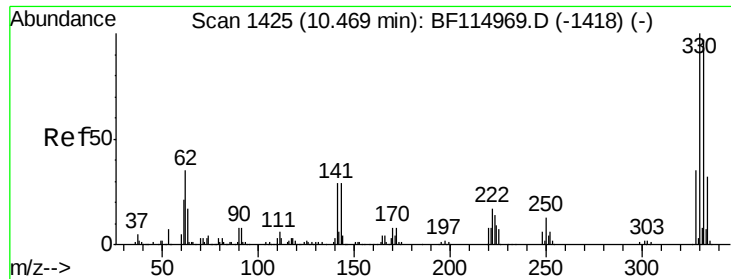


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

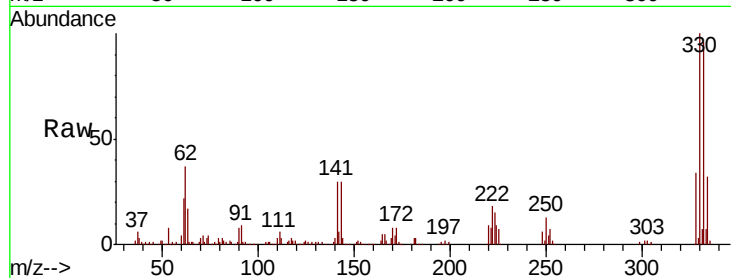




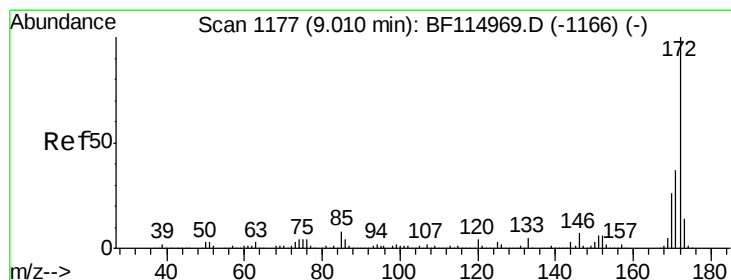
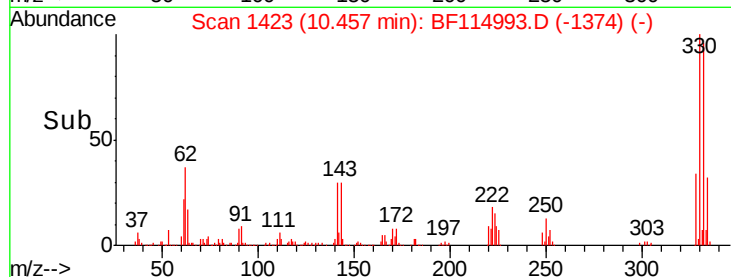
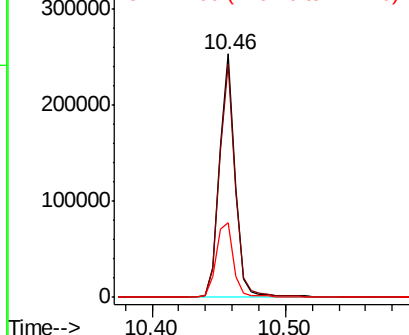
#42
 2,4,6-Tribromophenol
 Concen: 38.848 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF114993.D
 Acq: 13 Jun 2019 10:26

Instrument :
 BNA_F
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 OR-03-061119-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.6	116.4
141	35.2	27.2	40.8

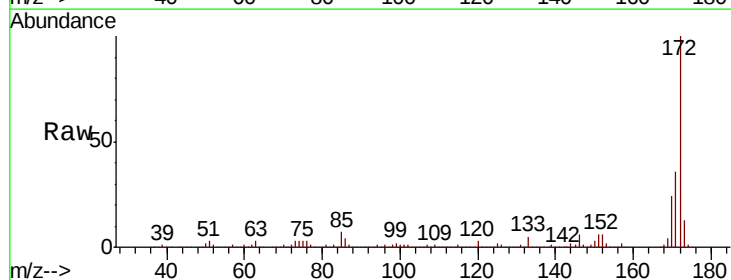


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

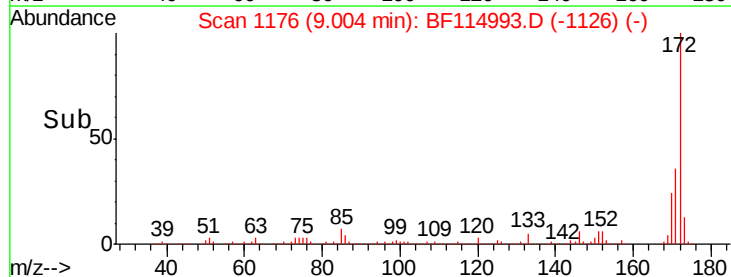
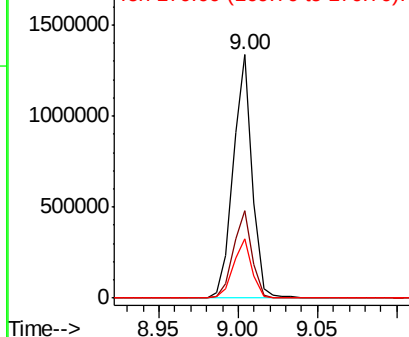


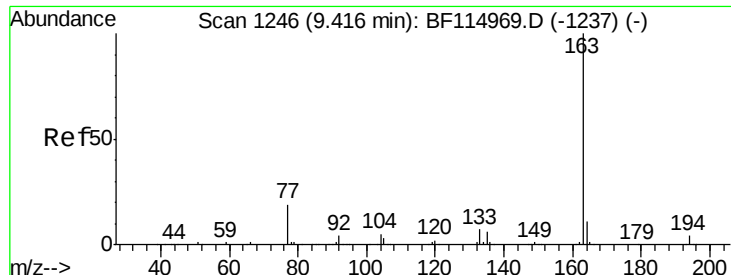
#45
 2-Fluorobiphenyl
 Concen: 37.113 ng
 RT: 9.00 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF114993.D
 Acq: 13 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	24.2	20.6	31.0



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

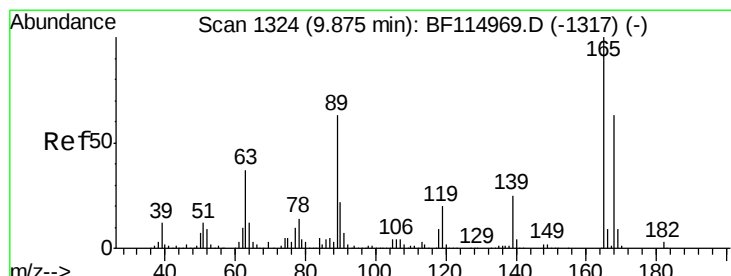
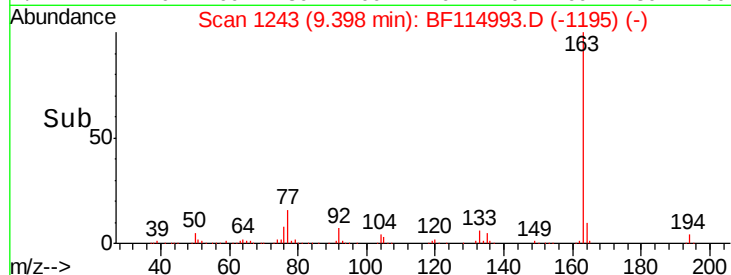
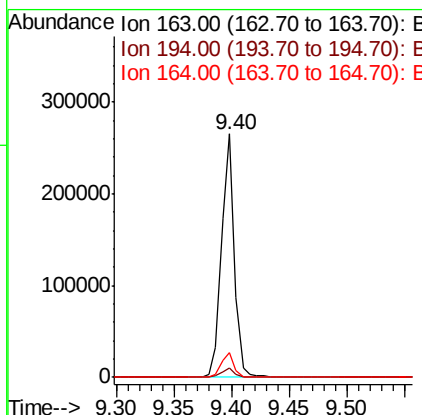
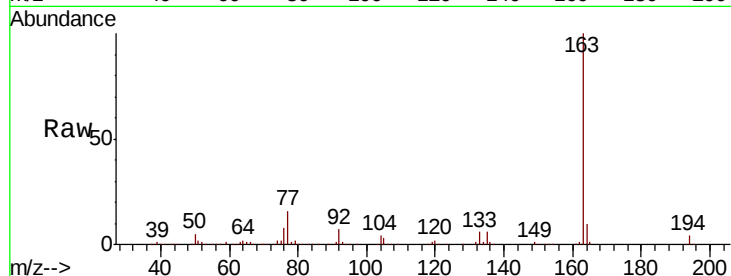




#50
Dimethylphthalate
Concen: 5.414 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

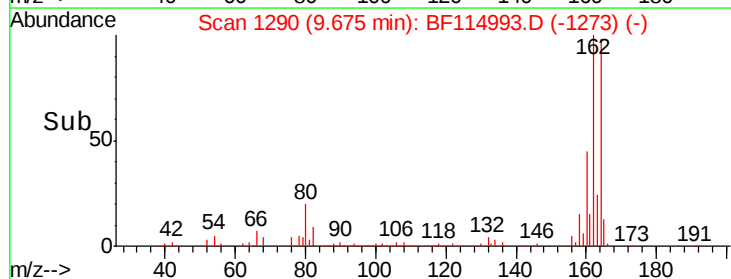
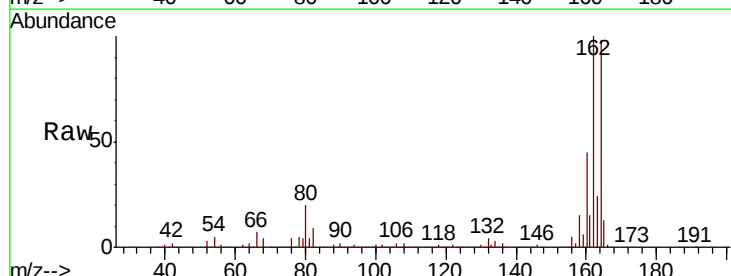
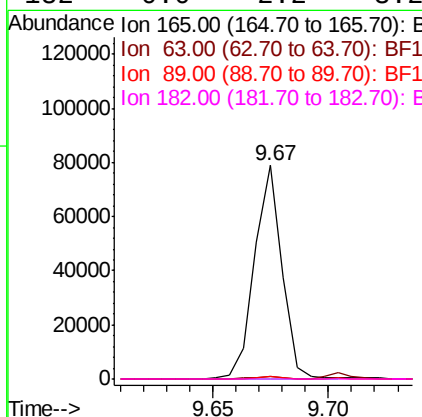
Instrument :
BNA_F
ClientSampleId :
OR-03-061119-B

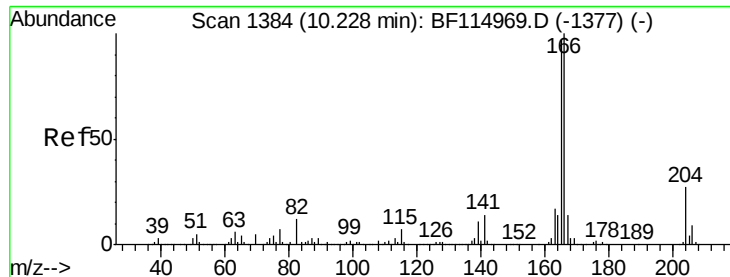
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	8.6	12.8



#57
2,4-Dinitrotoluene
Concen: 5.964 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.20 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.4	44.2#
89	1.1	50.6	75.8#
182	0.0	2.2	3.2#





#58

Fluorene

Concen: Below Cal

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF114993.D

Acq: 13 Jun 2019 10:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061119-B

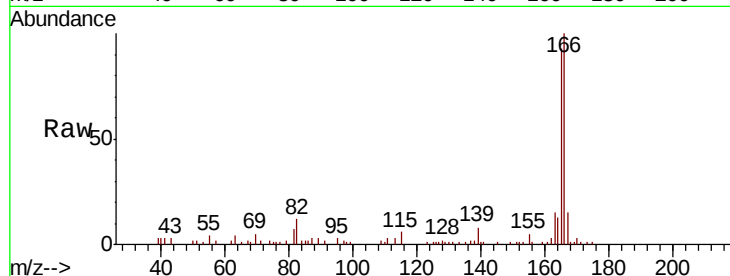
Tot Ion:166 Resp: 31547

Ion Ratio Lower Upper

166 100

165 93.3 77.6 116.4

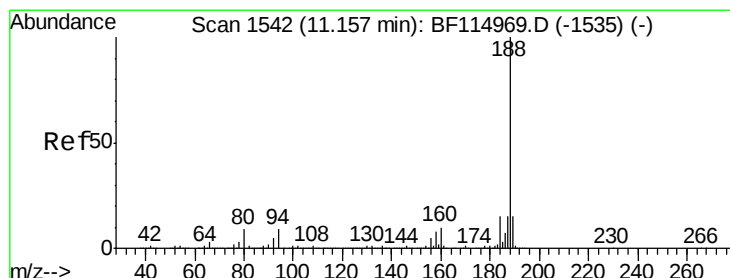
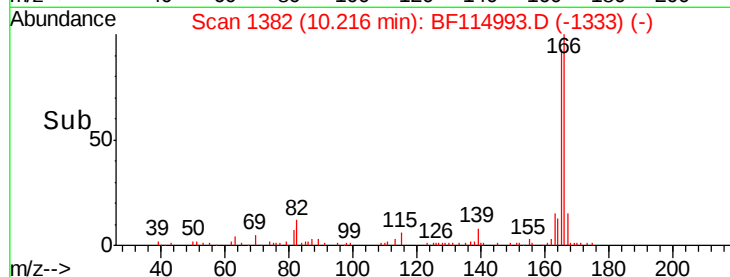
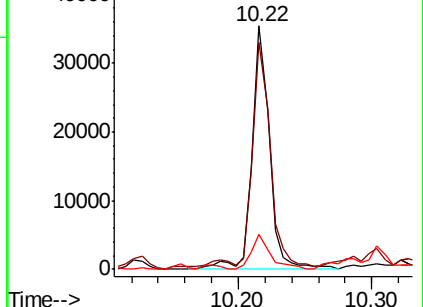
167 14.5 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF114993.D

Acq: 13 Jun 2019 10:26

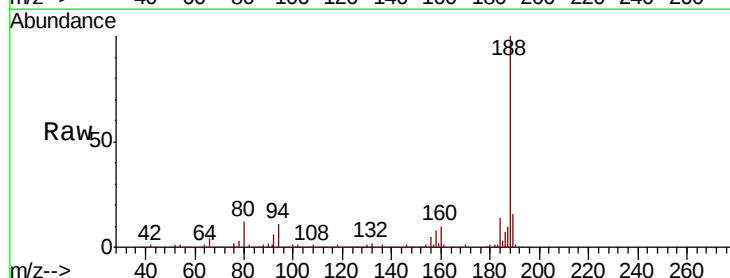
Tgt Ion:188 Resp: 760652

Ion Ratio Lower Upper

188 100

94 10.6 7.2 10.8

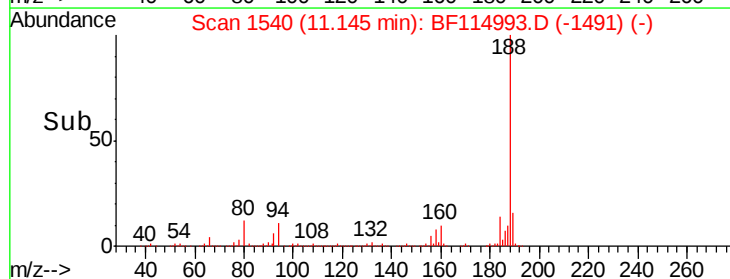
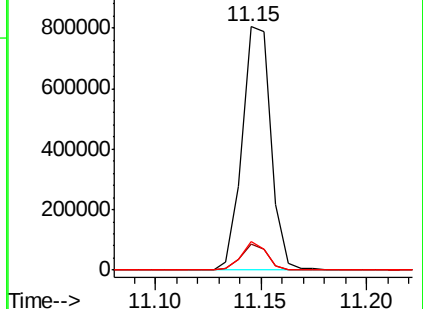
80 11.6 7.4 11.2#

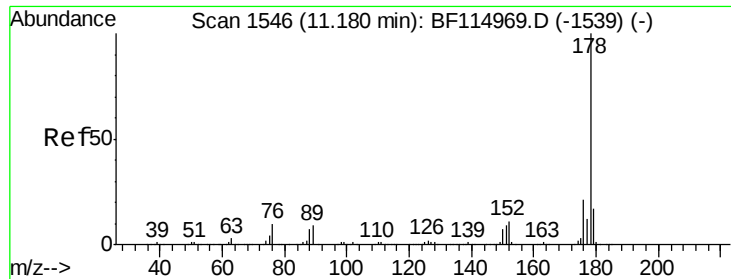


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

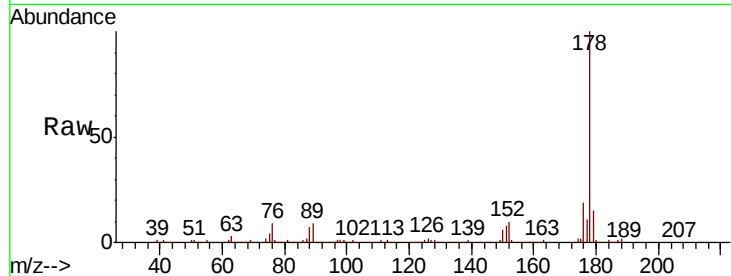




#71
Phenanthrene
Concen: 5.844 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

Instrument :
BNA_F
ClientSampleId :
OR-03-061119-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.9	25.3
179	15.3	13.4	20.0

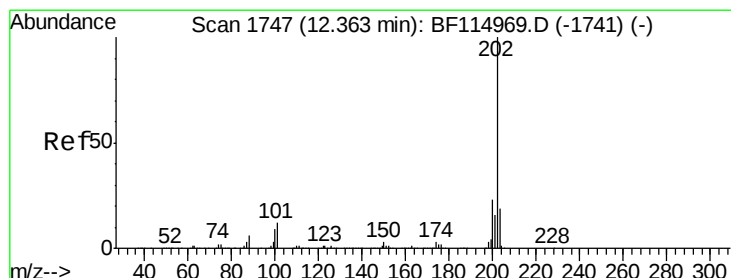
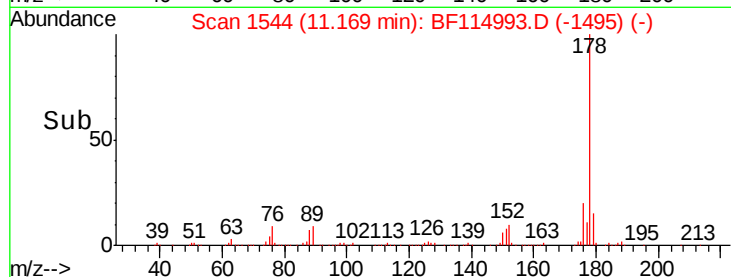
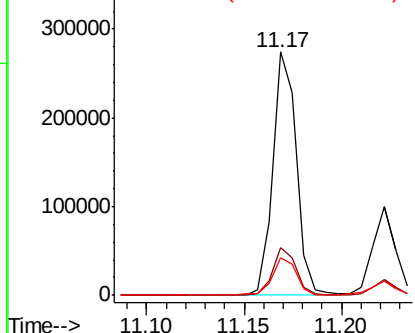


Abundance

Ion 178.00 (177.70 to 178.70): E

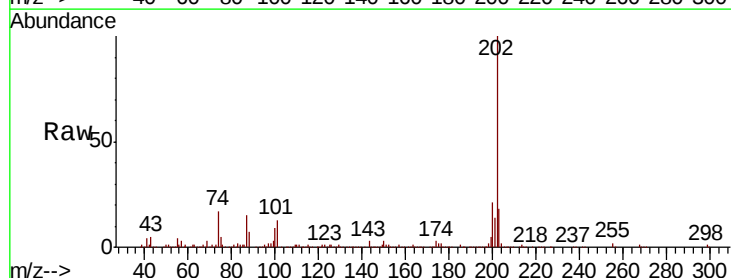
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 8.993 ng
RT: 12.35 min Scan# 1745
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.4
203	17.5	0.0	38.6

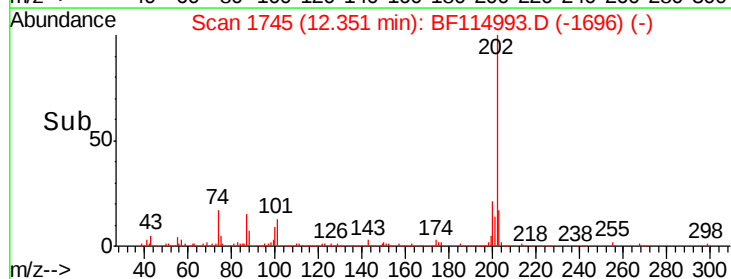
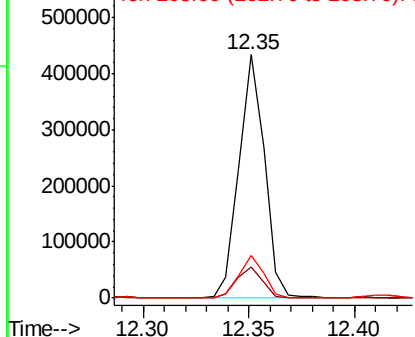


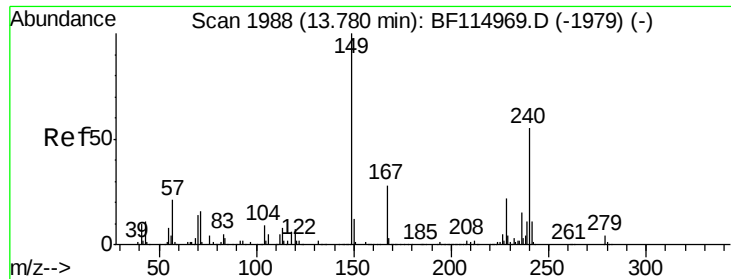
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

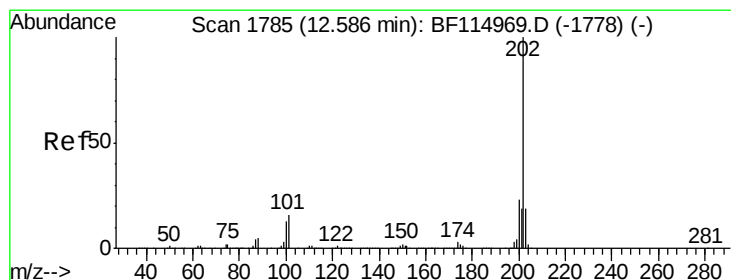
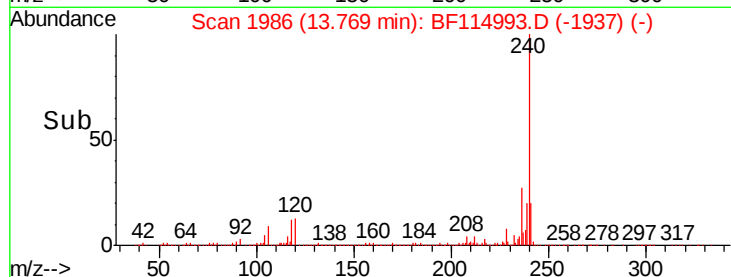
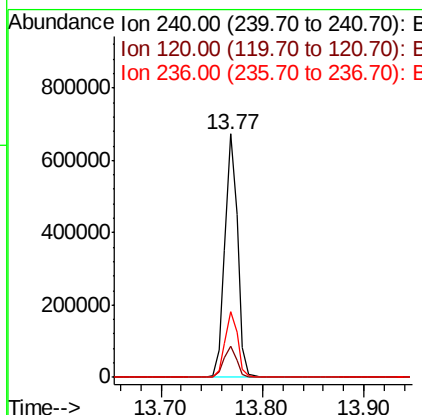
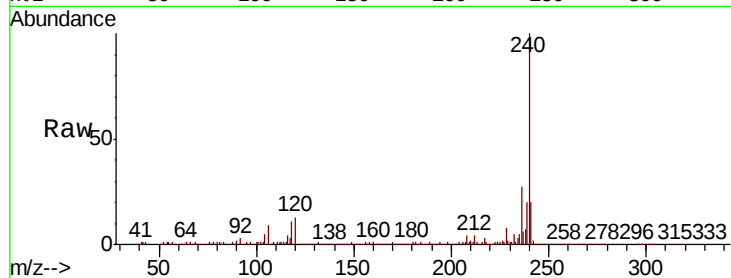




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.77 min Scan# 1986
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

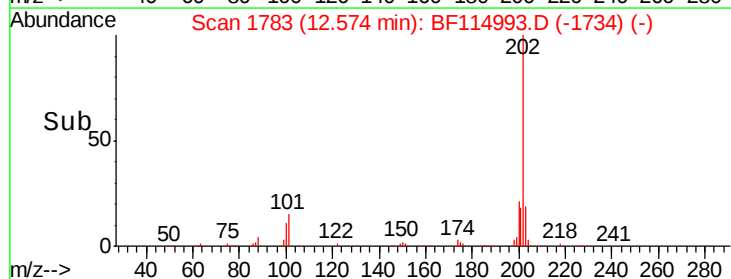
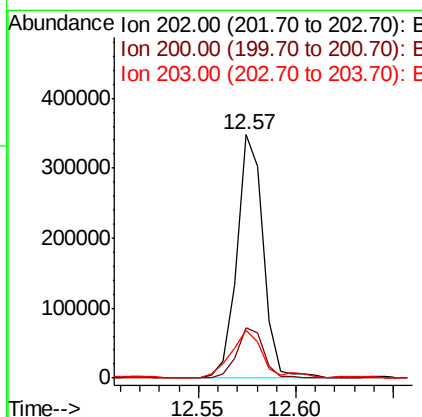
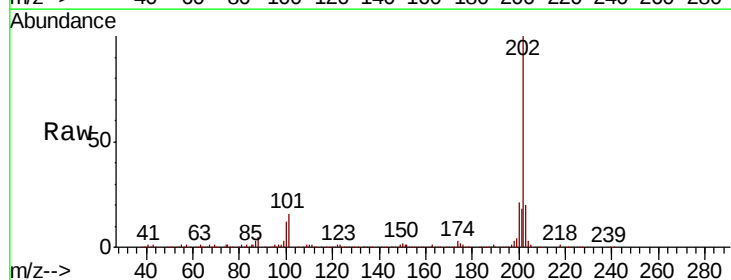
Instrument :
BNA_F
ClientSampleId :
OR-03-061119-B

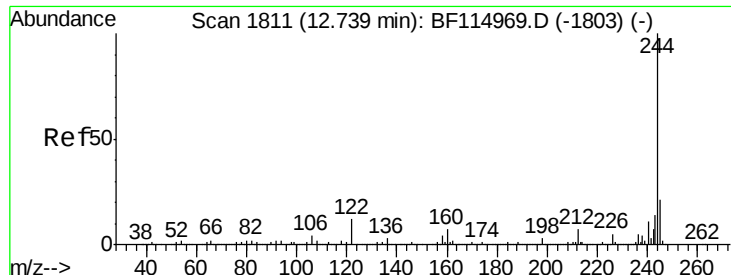
Tot Ion:240 Resp: 586239
Ion Ratio Lower Upper
240 100
120 12.8 10.0 15.0
236 27.0 21.6 32.4



#78
Pyrene
Concen: 6.028 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

Tgt Ion:202 Resp: 321921
Ion Ratio Lower Upper
202 100
200 20.6 18.4 27.6
203 19.6 14.9 22.3

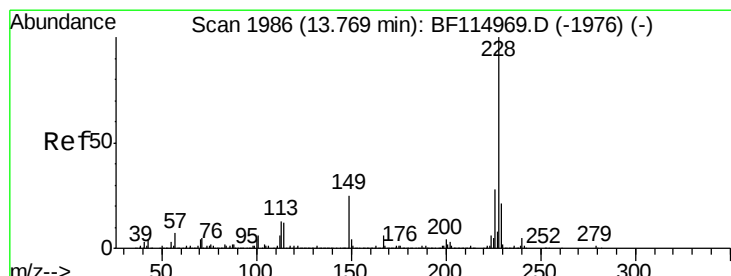
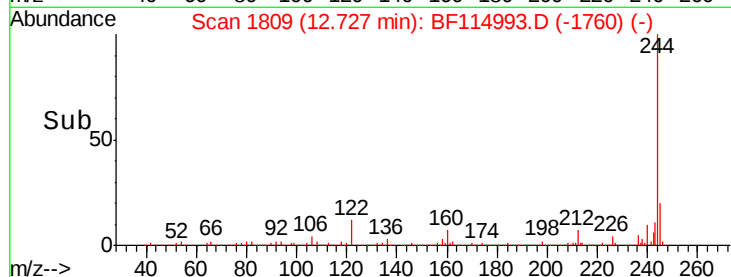
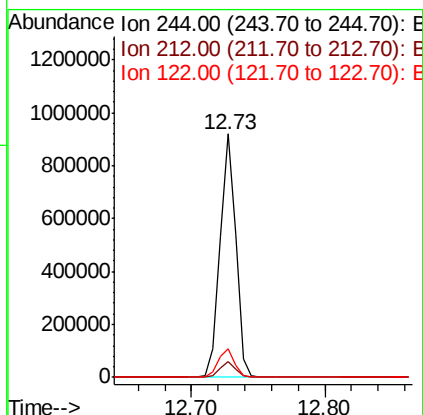
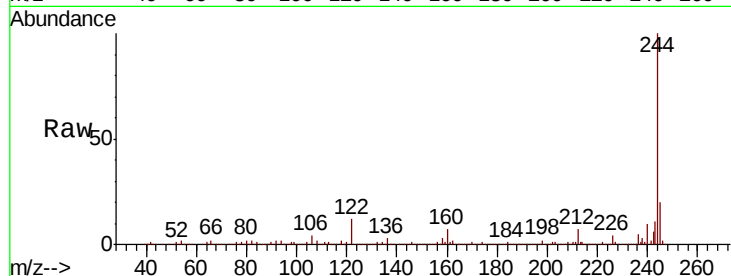




#79
 Terphenyl-d14
 Concen: 24.894 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF114993.D
 Acq: 13 Jun 2019 10:26

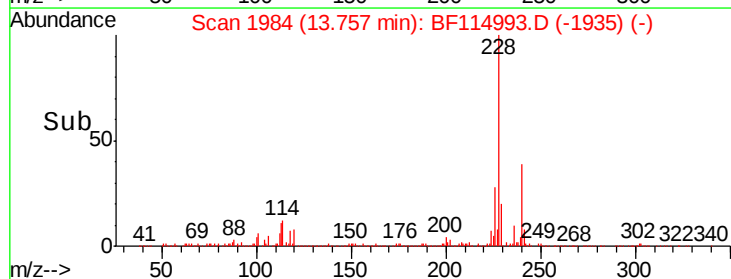
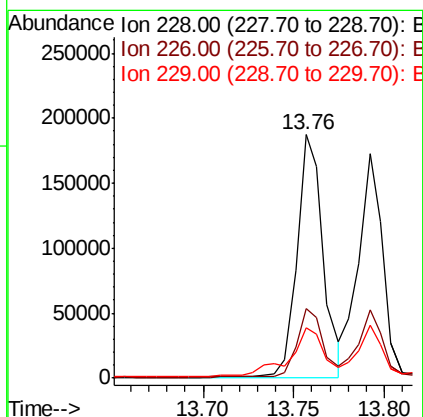
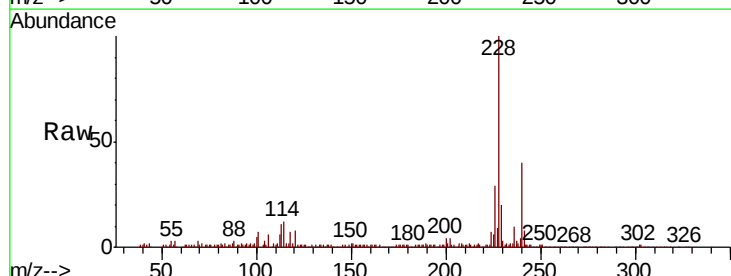
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061119-B

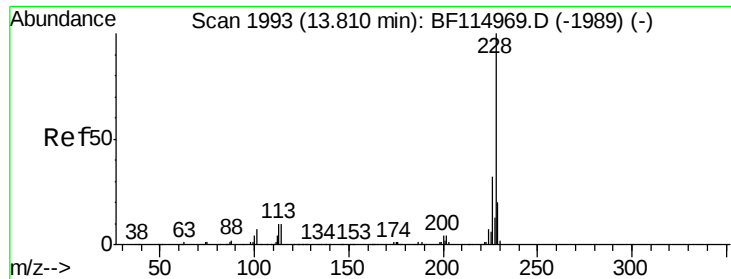
Tot Ion:244 Resp: 775916
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.8
 122 11.7 9.4 14.0



#81
 Benzo(a)anthracene
 Concen: 4.324 ng
 RT: 13.76 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: BF114993.D
 Acq: 13 Jun 2019 10:26

Tgt Ion:228 Resp: 189674
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.0 33.0
 229 20.4 16.6 25.0

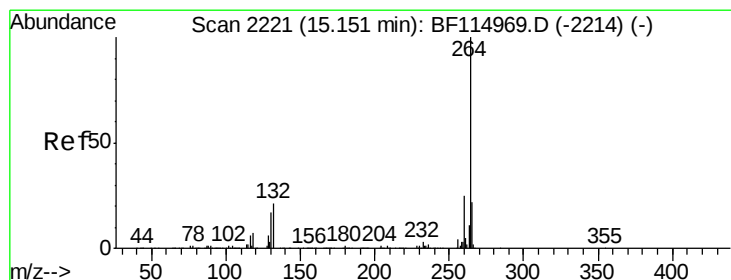
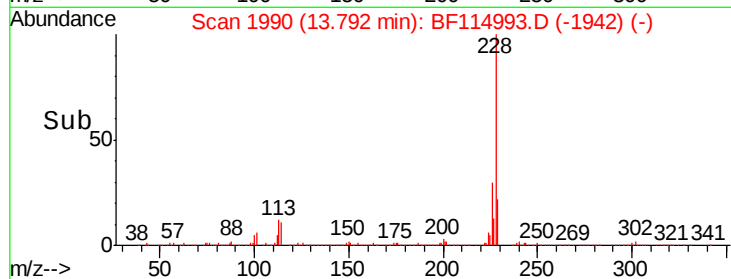
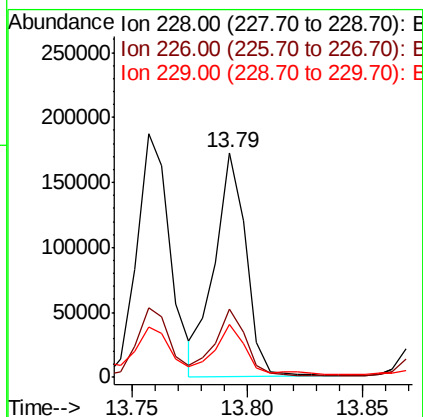
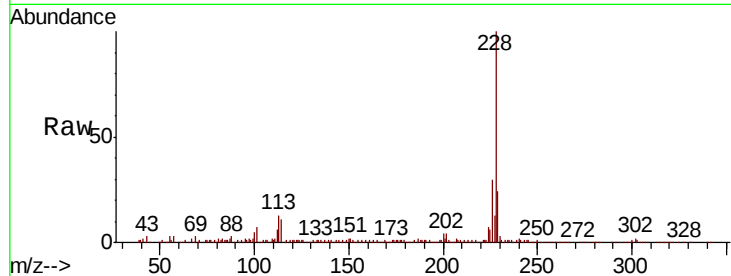




#83
 Chrysene
 Concen: 3.732 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.02 min
 Lab File: BF114993.D
 Acq: 13 Jun 2019 10:26

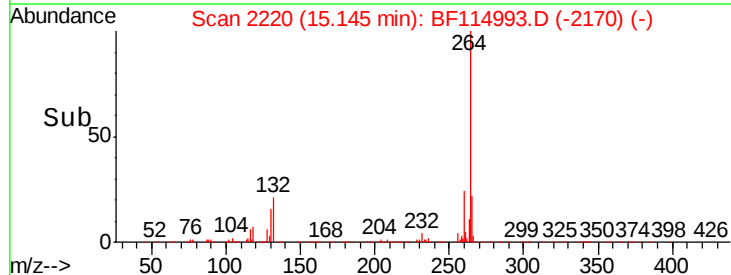
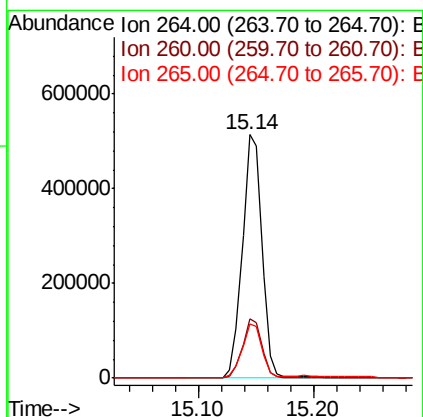
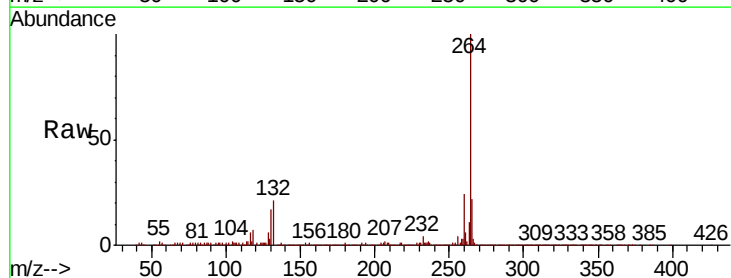
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-061119-B

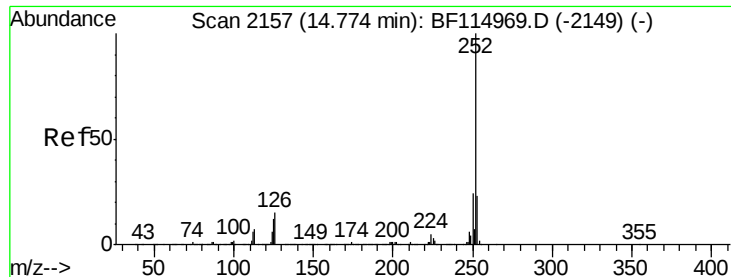
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.0
229	23.5	16.4	24.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.14 min Scan# 2220
 Delta R.T. -0.01 min
 Lab File: BF114993.D
 Acq: 13 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.9	29.9
265	22.4	17.6	26.4

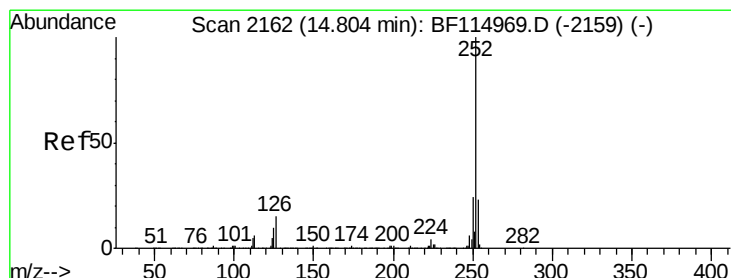
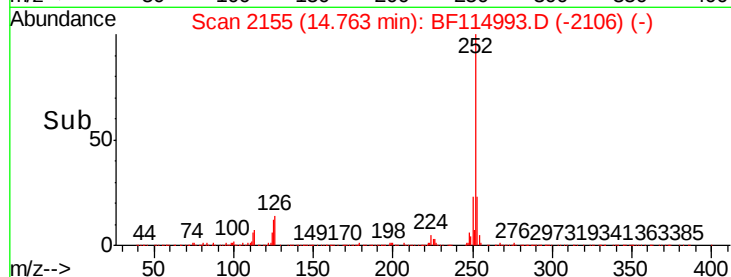
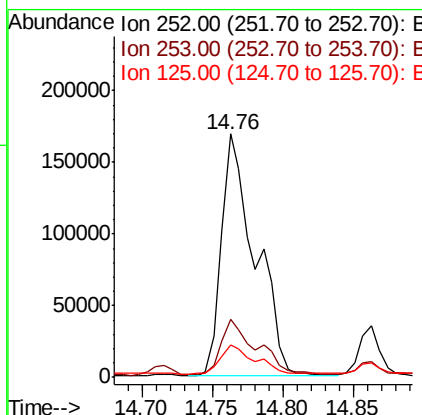
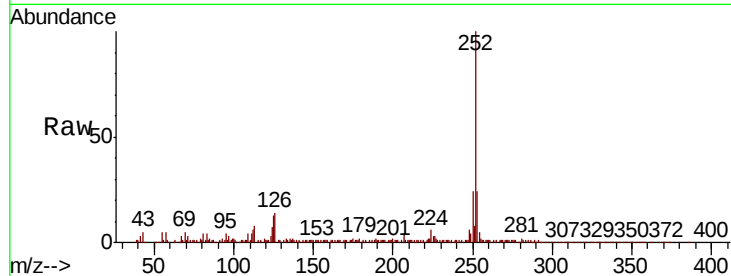




#88
Benzo(b)fluoranthene
Concen: 7.050 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

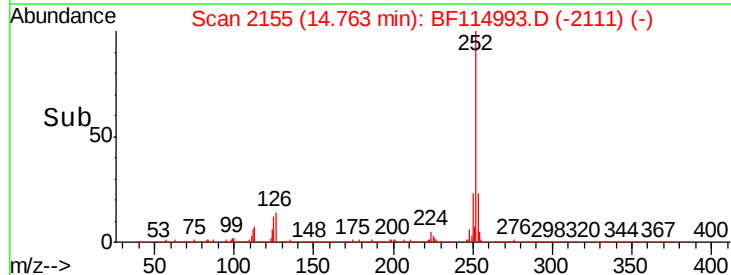
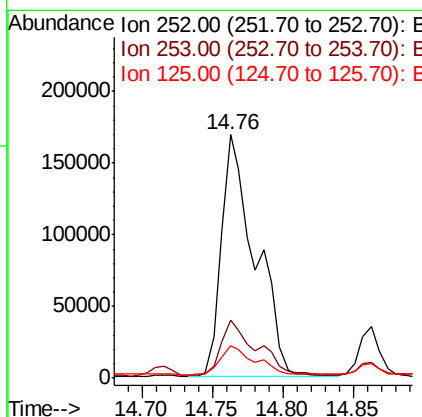
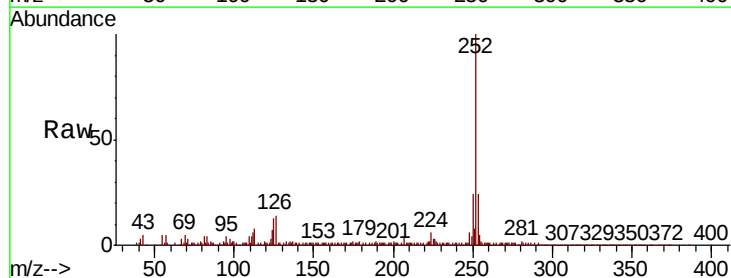
Instrument :
BNA_F
ClientSampleId :
OR-03-061119-B

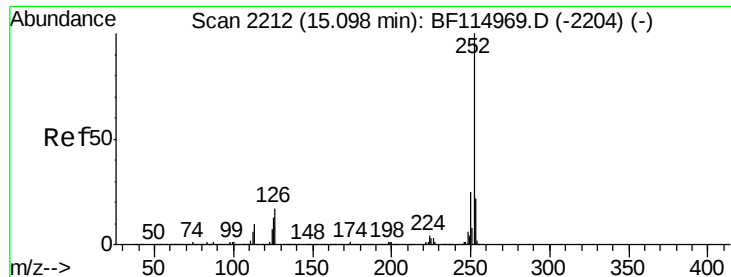
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	13.4	9.4	14.0



#89
Benzo(k)fluoranthene
Concen: 8.032 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.04 min
Lab File: BF114993.D
Acq: 13 Jun 2019 10:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	13.4	8.2	12.4#





#90

Benzo(a)pyrene

Concen: 4.139 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF114993.D

Acq: 13 Jun 2019 10:26

Instrument :

BNA_F

ClientSampleId :

OR-03-061119-B

Tot Ion: 252 Resp: 143598

Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

125 15.9 10.7 16.1

