

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061319\
 Data File : BF114994.D
 Acq On : 13 Jun 2019 11:11
 Operator : HP/JU
 Sample : K3283-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034

Quant Time: Jun 13 17:32:04 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	284171	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	1072117	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	486133	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	781301	20.00	ng	0.00
76) Chrysene-d12	13.77	240	523362	20.00	ng	-0.01
87) Perylene-d12	15.15	264	608665	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	1250466	73.48	ng	0.00
7) Phenol-d6	6.29	99	1563895	76.18	ng	0.00
23) Nitrobenzene-d5	7.21	82	913942	51.31	ng	0.00
42) 2,4,6-Tribromophenol	10.46	330	344488	66.17	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1503765	52.43	ng	0.00
79) Terphenyl-d14	12.73	244	1165191	41.87	ng	-0.01

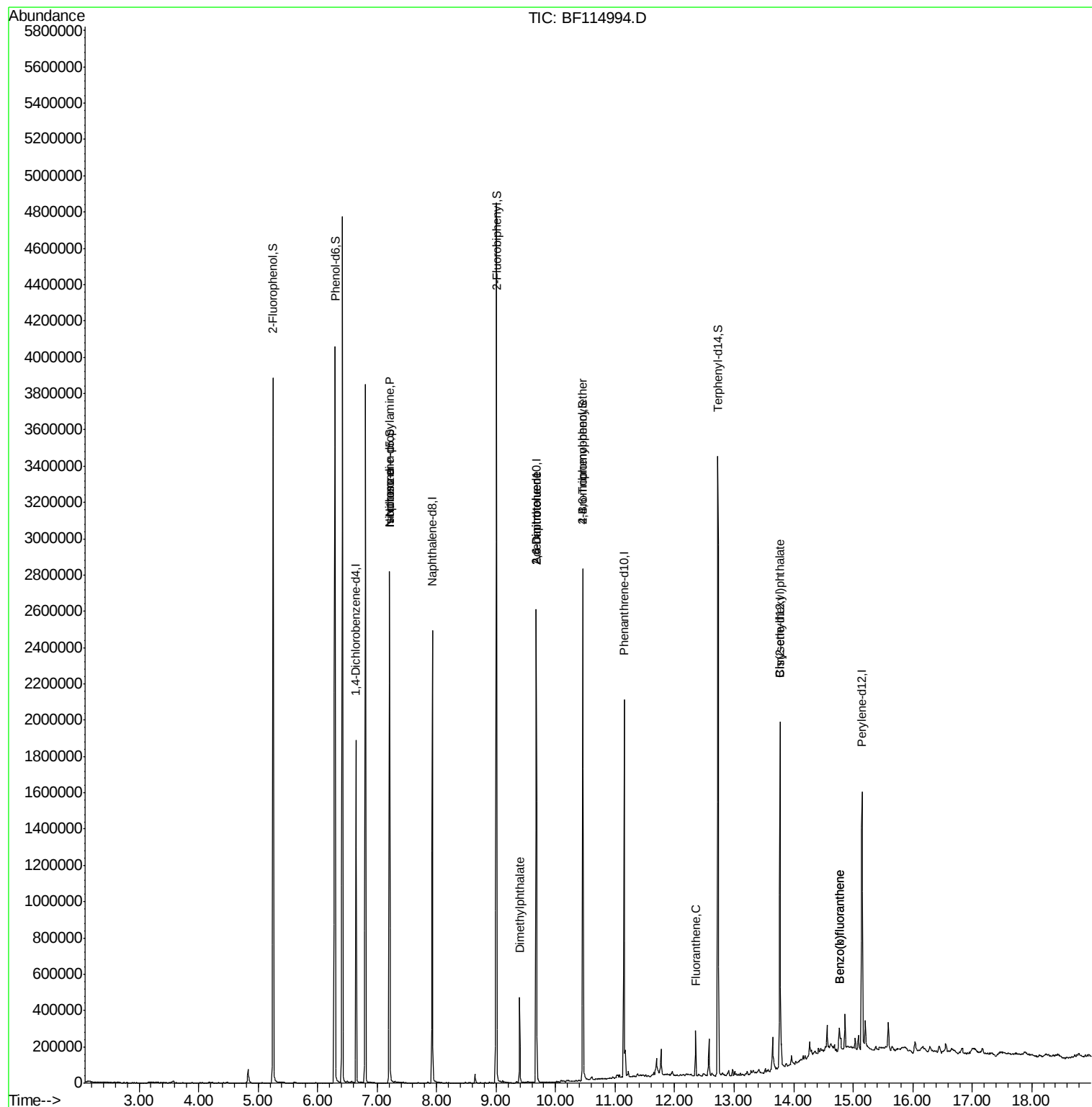
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.29	77	2360	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.21	70	117300	9.404	ng	# 76
25) Isophorone	7.21	82	901979	27.038	ng	# 62
50) Dimethylphthalate	9.40	163	187281	5.123	ng	# 98
51) 2,6-Dinitrotoluene	9.67	165	63156	7.616	ng	# 36
57) 2,4-Dinitrotoluene	9.67	165	63156	5.983	ng	# 29
58) Fluorene	10.22	166	2907	Below Cal		# 82
67) 4-Bromophenyl-phenylether	10.46	248	21281	2.537	ng	# 1
75) Fluoranthene	12.35	202	95079	2.305	ng	# 99
84) Bis(2-ethylhexyl)phthalate	13.77	149	58251	2.213	ng	# 100
88) Benzo(b)fluoranthene	14.77	252	83198	2.056	ng	# 97
89) Benzo(k)fluoranthene	14.77	252	83198	2.343	ng	# 96

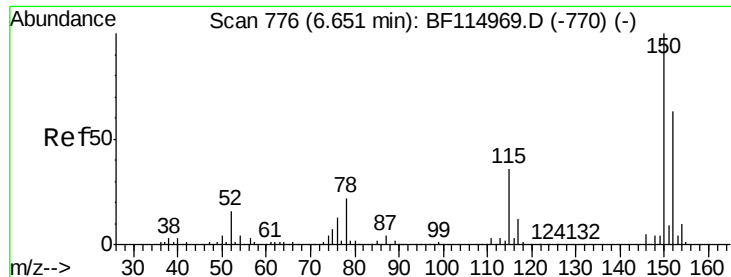
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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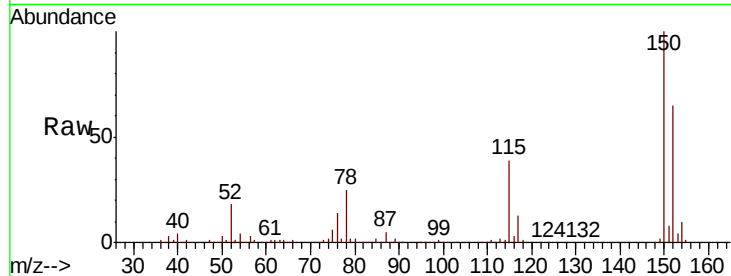


#1

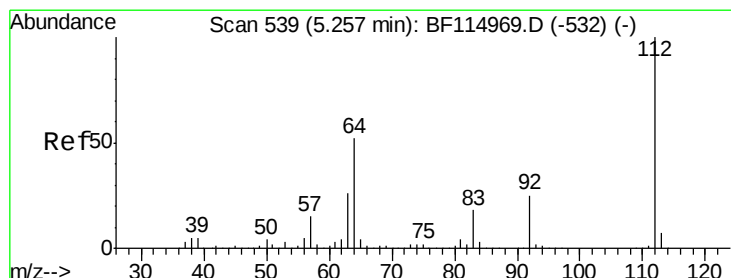
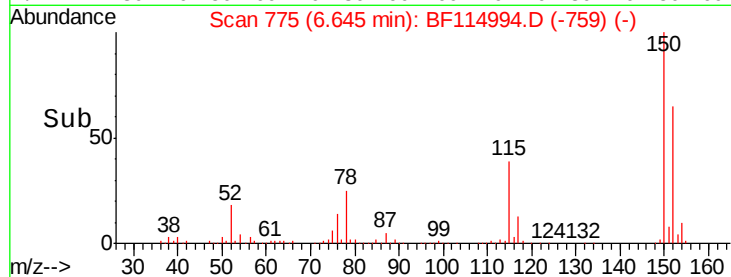
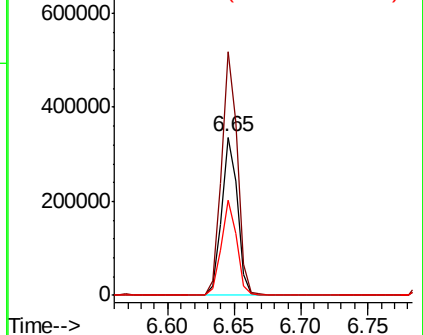
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF114994.D
 Acq: 13 Jun 2019 11:11

Instrument :
 BNA_F
 ClientSampleId :
 200030-200034

Tot Ion:152 Resp: 284171
 Ion Ratio Lower Upper
 152 100
 150 154.1 127.4 191.0
 115 60.4 46.0 69.0



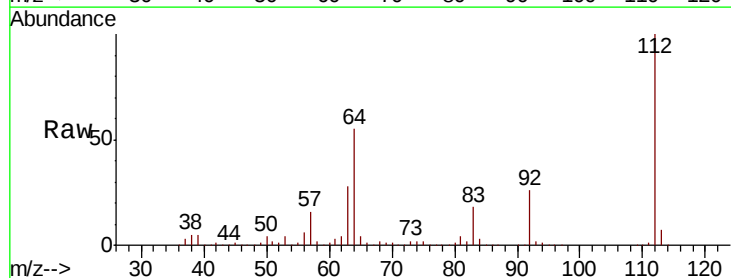
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



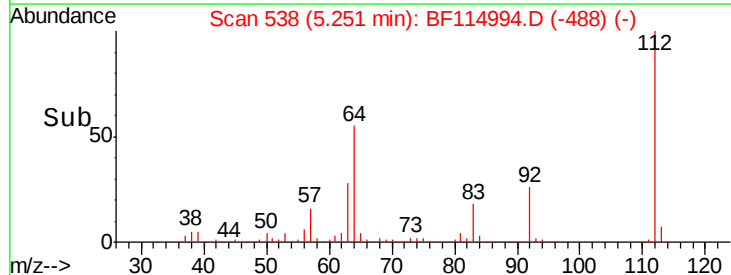
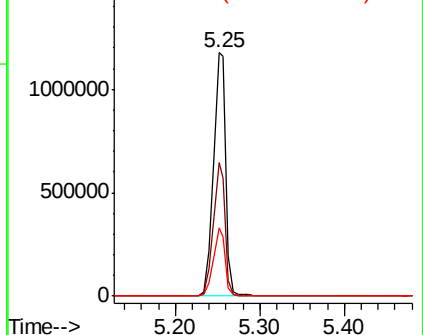
#5

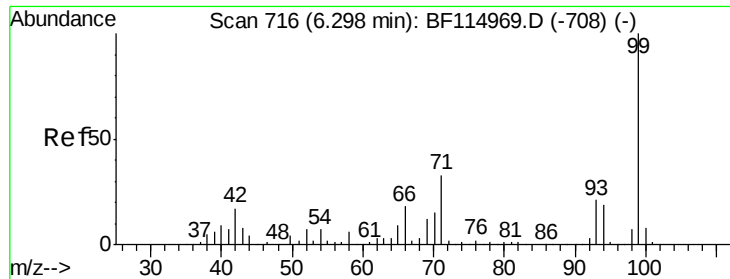
2-Fluorophenol
 Concen: 73.477 ng
 RT: 5.25 min Scan# 538
 Delta R.T. -0.01 min
 Lab File: BF114994.D
 Acq: 13 Jun 2019 11:11

Tgt Ion:112 Resp: 1250466
 Ion Ratio Lower Upper
 112 100
 64 54.9 41.6 62.4
 63 27.9 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: 76.180 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Instrument :

BNA_F

ClientSampleId :

200030-200034

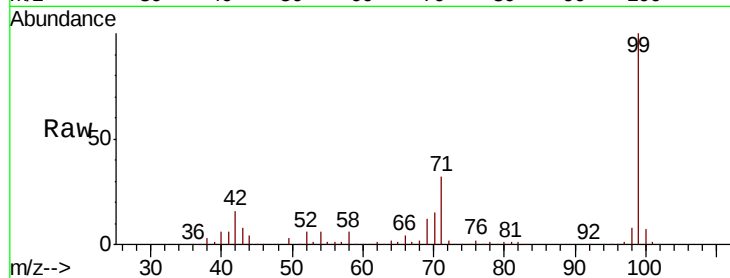
Tot Ion: 99 Resp: 1563895

Ion Ratio Lower Upper

99 100

42 15.8 13.4 20.2

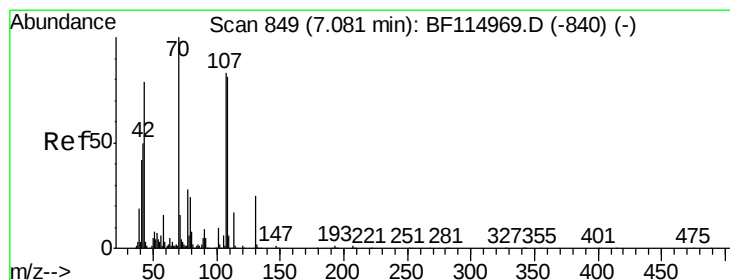
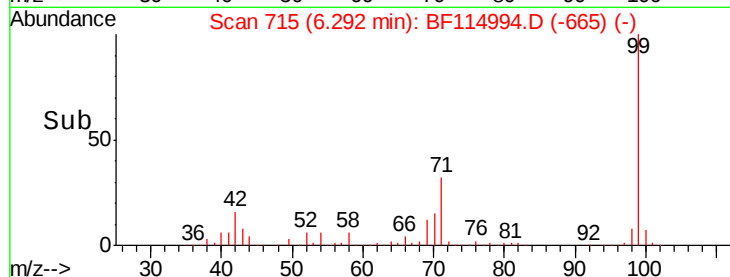
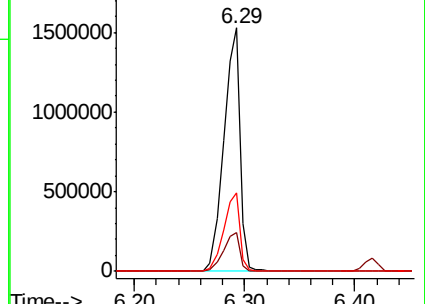
71 32.5 26.4 39.6



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: 9.404 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.13 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Tgt Ion: 70 Resp: 117300

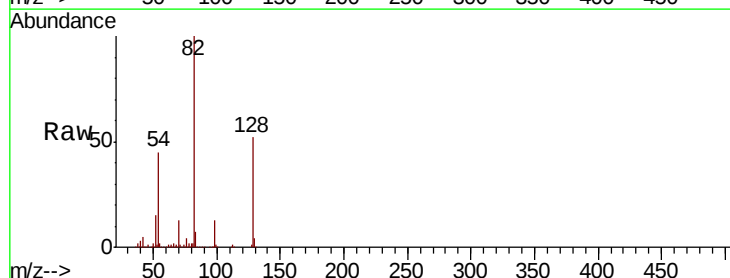
Ion Ratio Lower Upper

70 100

42 42.0 40.3 60.5

101 0.0 8.2 12.4#

130 2.6 20.3 30.5#

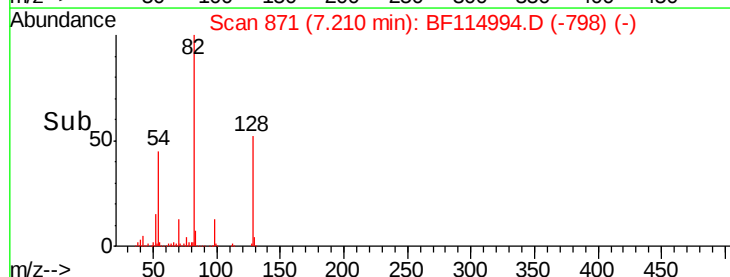
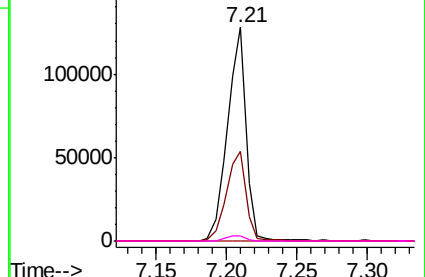


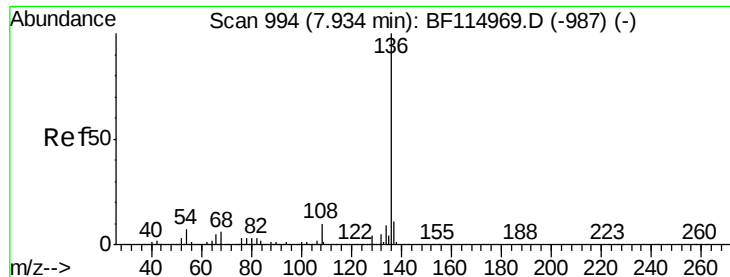
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

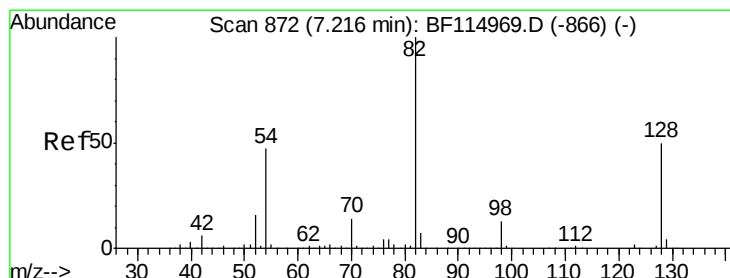
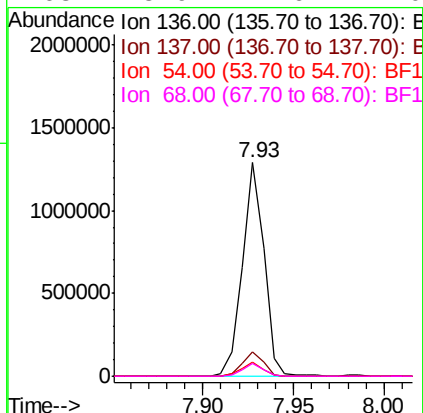
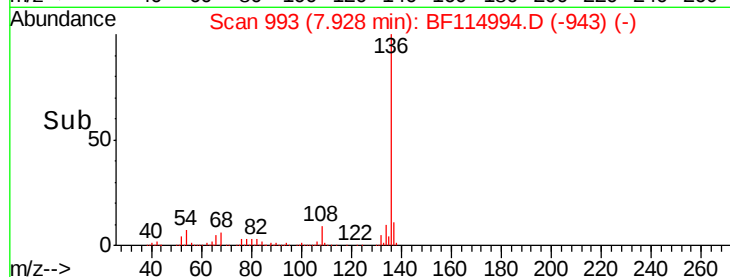
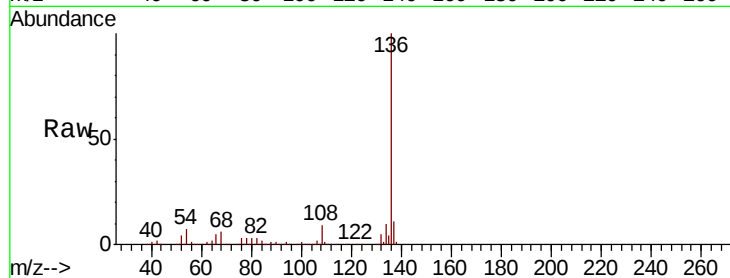




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

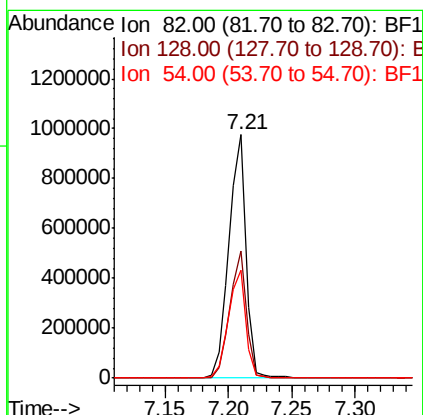
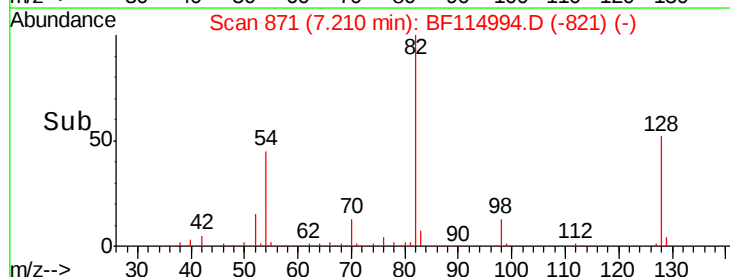
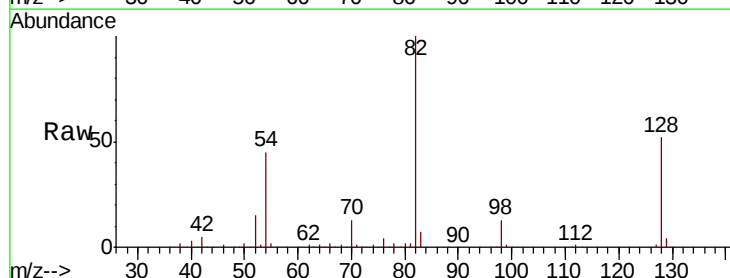
Instrument :
BNA_F
ClientSampleId :
200030-200034

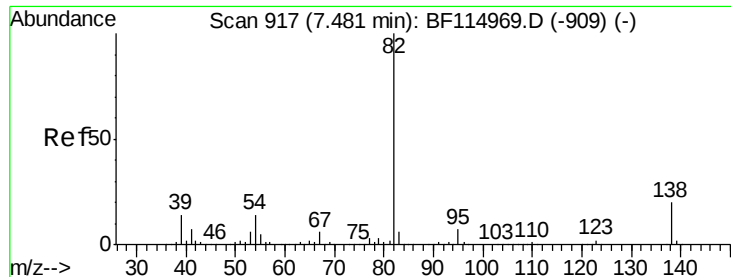
Tot Ion:136	Resp: 1072117
Ion Ratio	Lower Upper
136 100	
137 11.3	9.0 13.4
54 6.6	5.4 8.0
68 5.9	4.6 7.0



#23
Nitrobenzene-d5
Concen: 51.312 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

Tgt Ion: 82	Resp: 913942
Ion Ratio	Lower Upper
82 100	
128 52.3	39.9 59.9
54 44.6	37.3 55.9





#25

Isophorone

Concen: 27.038 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Instrument :

BNA_F

ClientSampleId :

200030-200034

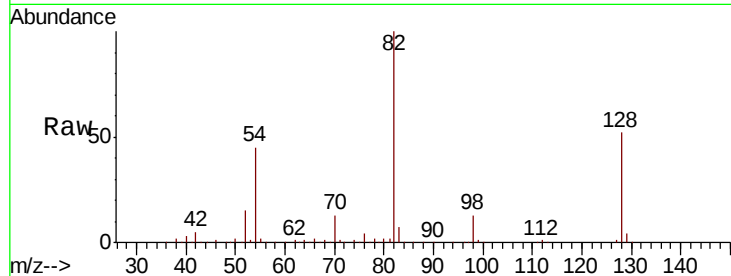
Tot Ion: 82 Resp: 901979

Ion Ratio Lower Upper

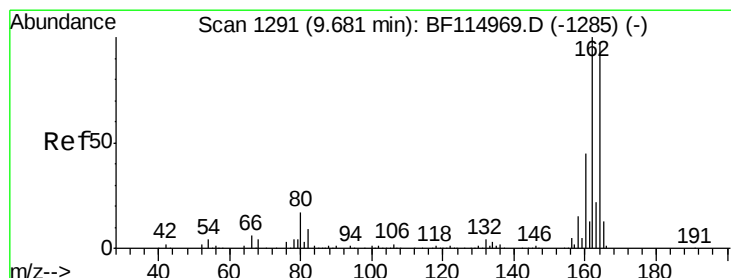
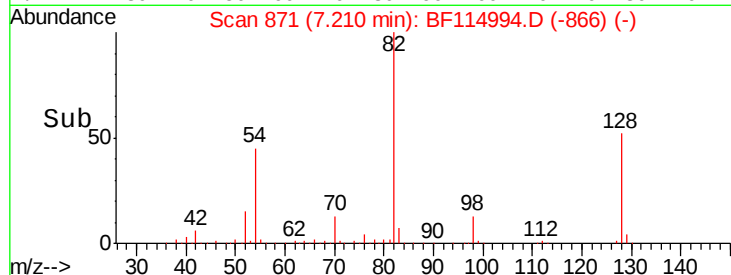
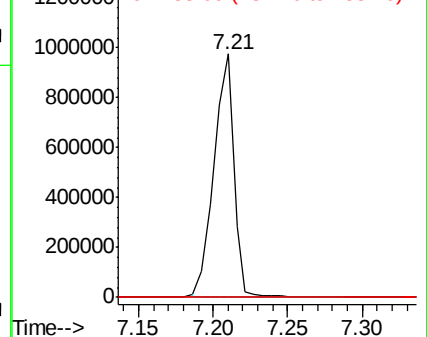
82 100

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: BF114994.D

Acq: 13 Jun 2019 11:11

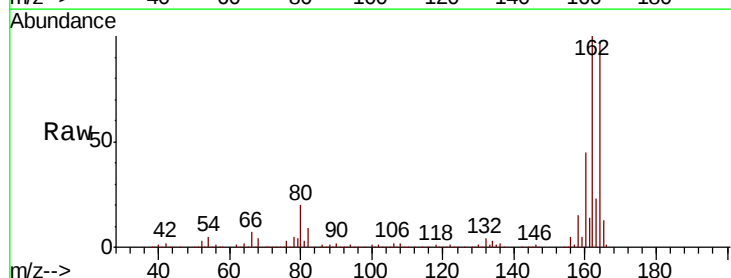
Tgt Ion: 164 Resp: 486133

Ion Ratio Lower Upper

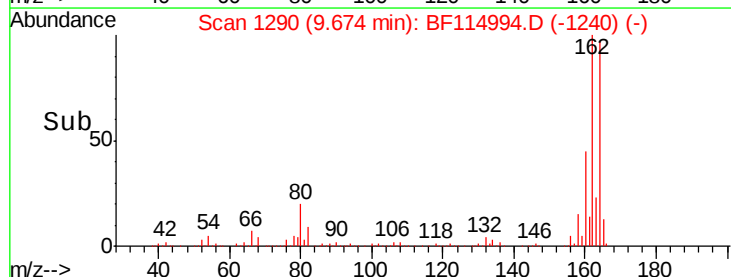
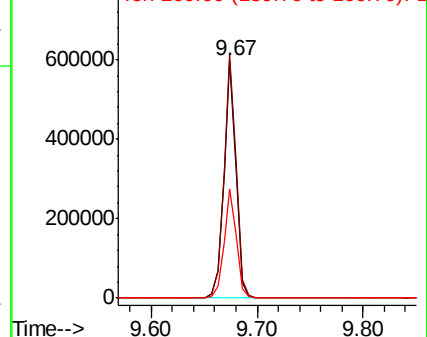
164 100

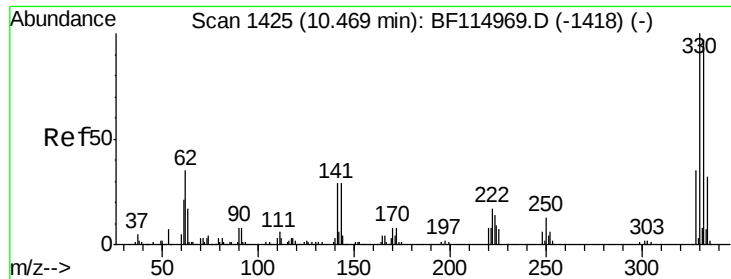
162 102.6 82.6 124.0

160 46.0 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: 66.174 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Instrument :

BNA_F

ClientSampleId :

200030-200034

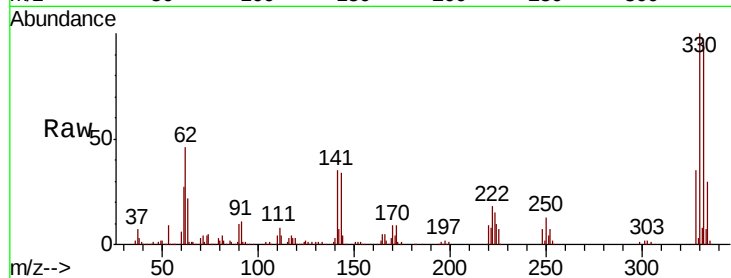
Tot Ion:330 Resp: 344488

Ion Ratio Lower Upper

330 100

332 95.8 77.6 116.4

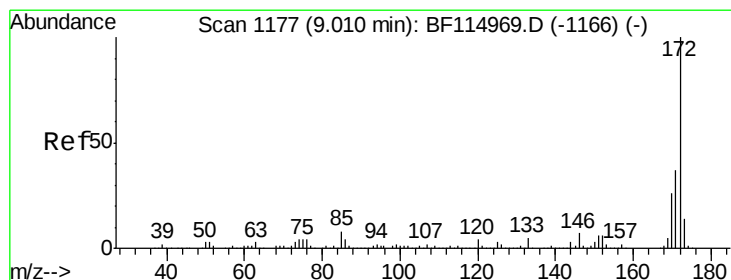
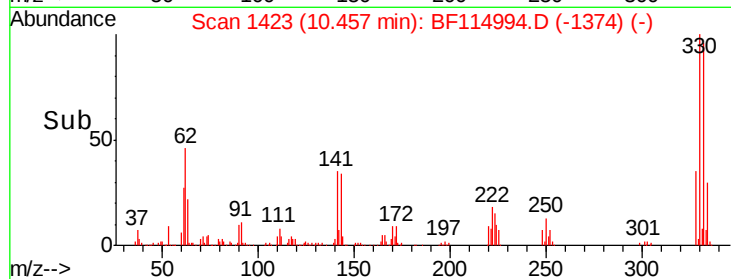
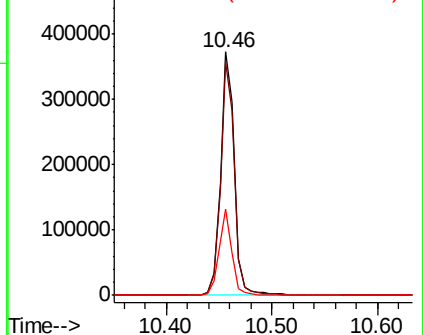
141 33.5 27.2 40.8



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: 52.427 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

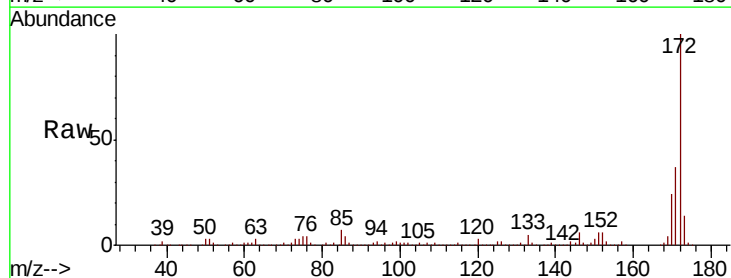
Tgt Ion:172 Resp: 1503765

Ion Ratio Lower Upper

172 100

171 36.9 29.8 44.6

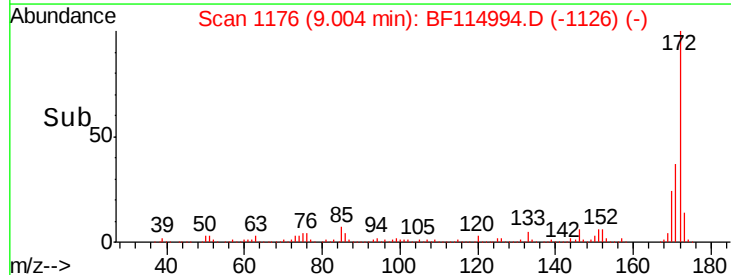
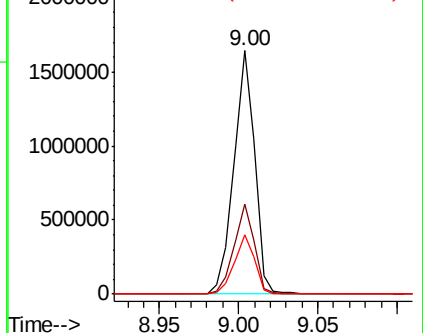
170 24.4 20.6 31.0

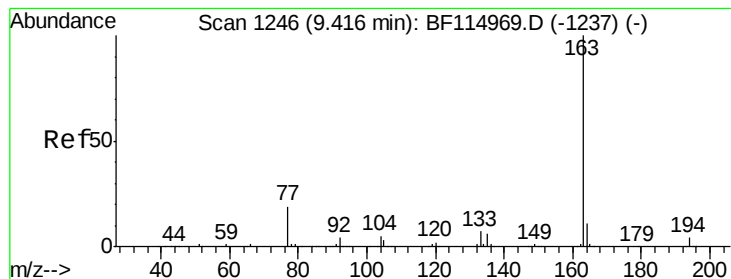


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.123 ng

RT: 9.40 min Scan# 1243

Delta R.T. -0.02 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Instrument :

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ClientSampleId :

200030-200034

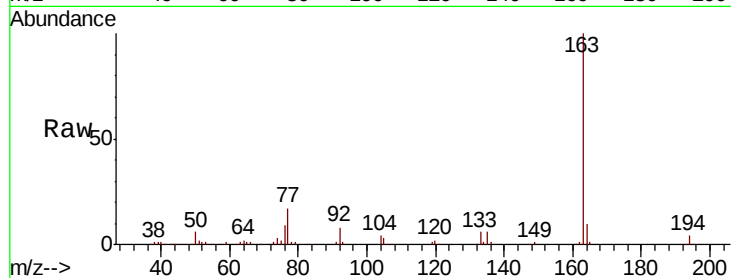
Tot Ion:163 Resp: 187281

Ion Ratio Lower Upper

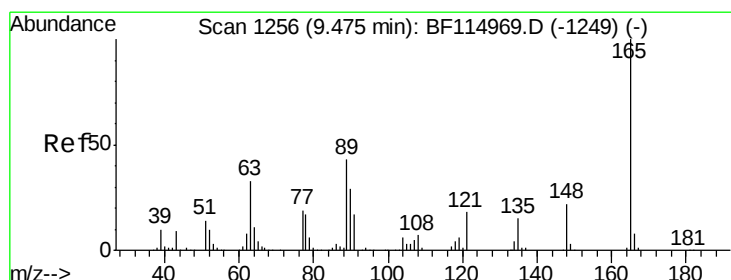
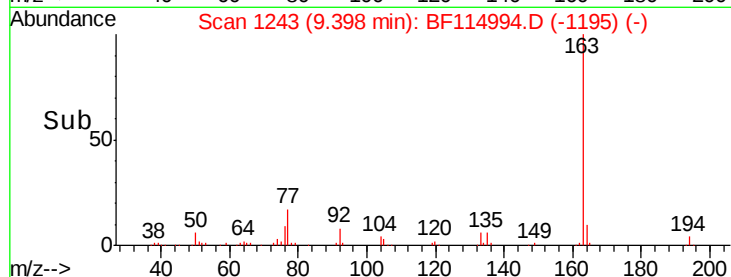
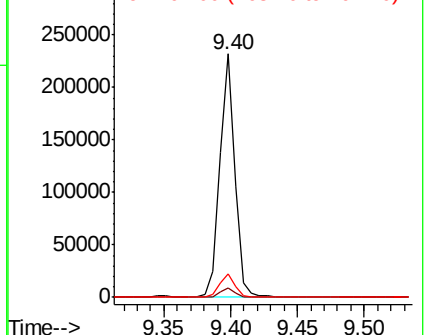
163 100

194 3.8 3.3 4.9

164 9.8 8.6 12.8



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



#51

2,6-Dinitrotoluene

Concen: 7.616 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.20 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

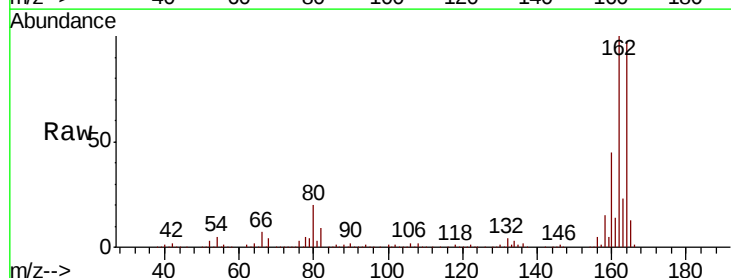
Tgt Ion:165 Resp: 63156

Ion Ratio Lower Upper

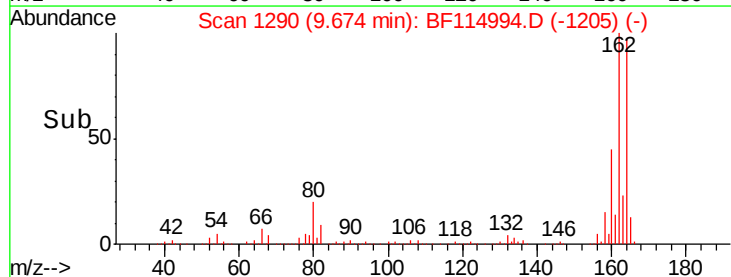
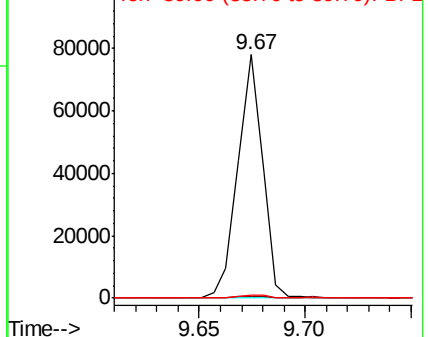
165 100

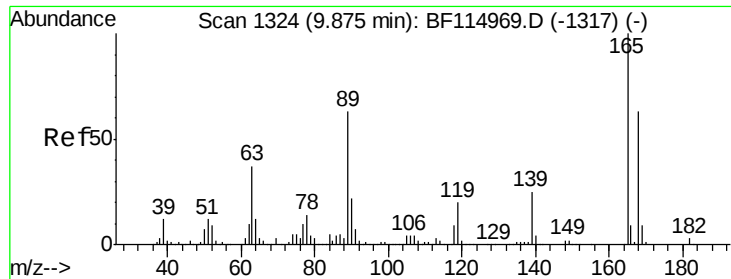
63 0.8 30.6 46.0#

89 1.1 34.4 51.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

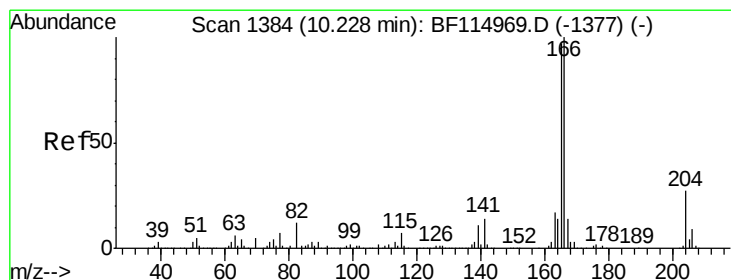
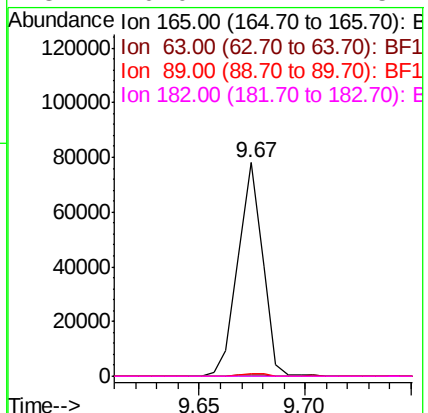
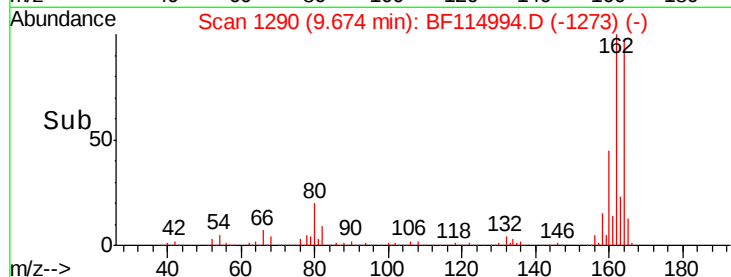
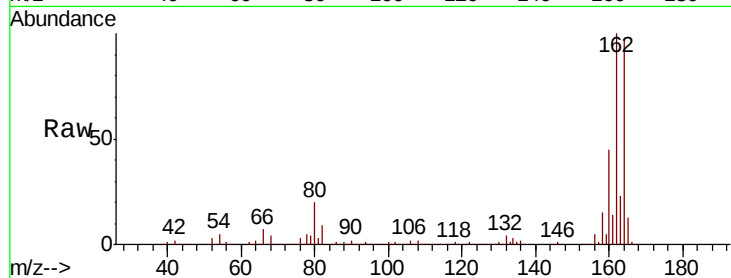




#57
2,4-Dinitrotoluene
Concen: 5.983 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.20 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

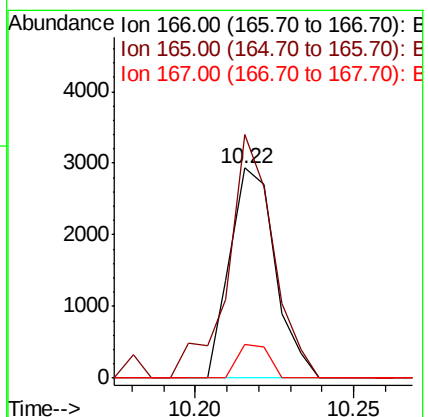
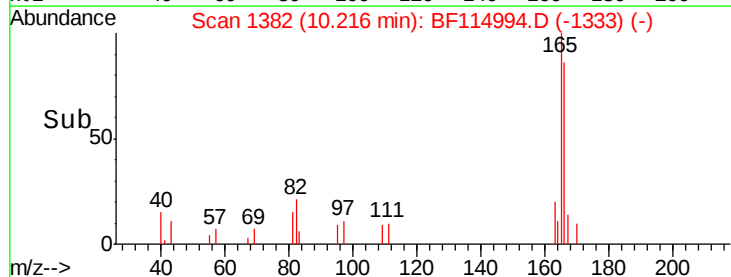
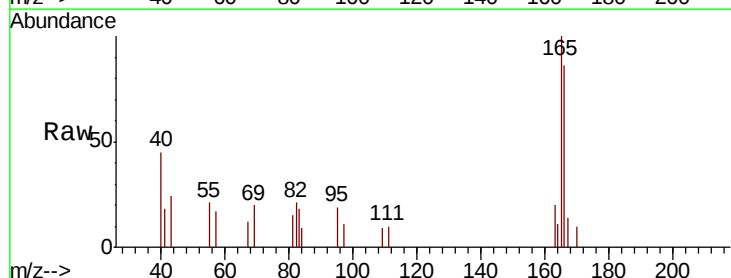
Instrument :
BNA_F
ClientSampleId :
200030-200034

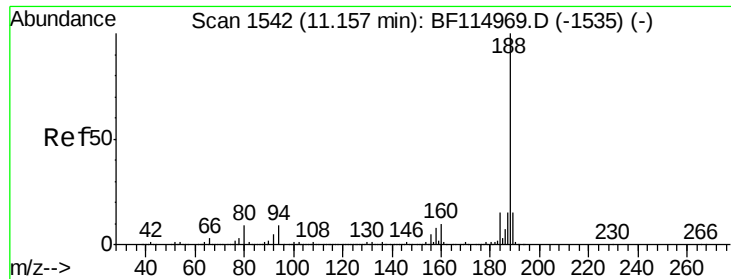
Tot Ion:	165	Resp:	63156
Ion	Ratio	Lower	Upper
165	100		
63	0.8	29.4	44.2#
89	1.1	50.6	75.8#
182	0.0	2.2	3.2#



#58
Fluorene
Concen: Below Cal
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

Tgt Ion:	166	Resp:	2907
Ion	Ratio	Lower	Upper
166	100		
165	115.8	77.6	116.4
167	16.2	11.0	16.4

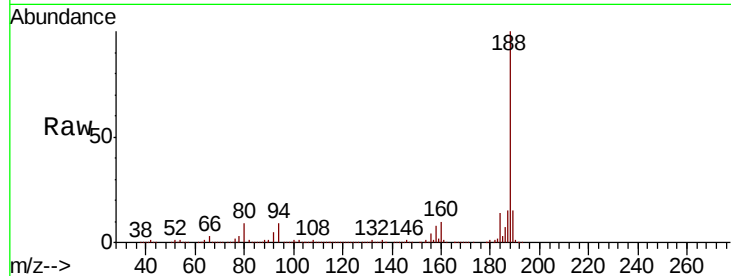




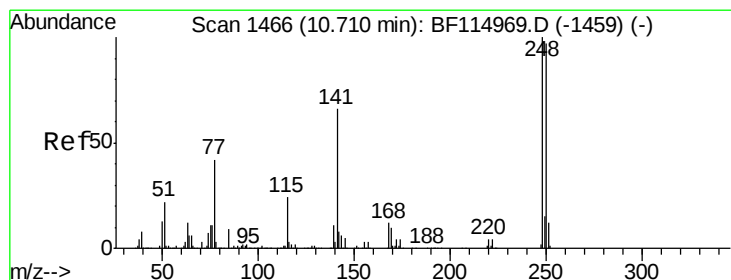
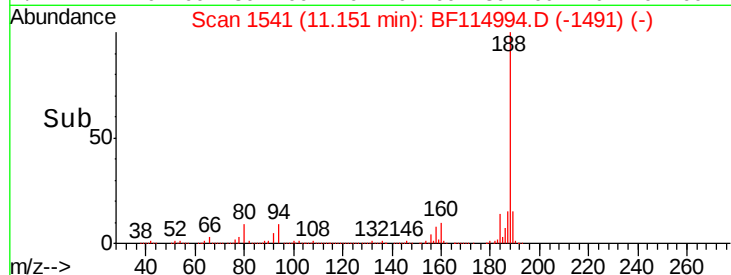
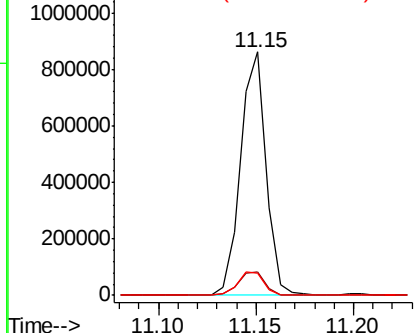
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.01 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

Instrument :
BNA_F
ClientSampleId :
200030-200034

Tot Ion:188 Resp: 781301
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 9.4 7.4 11.2

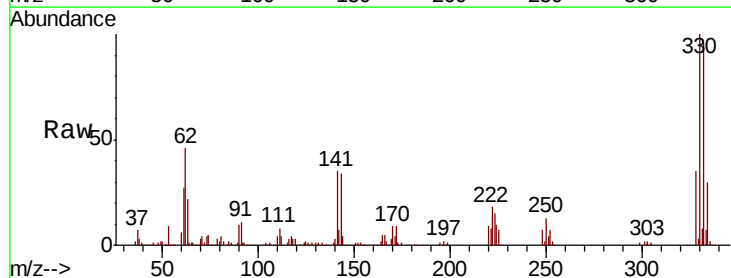


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

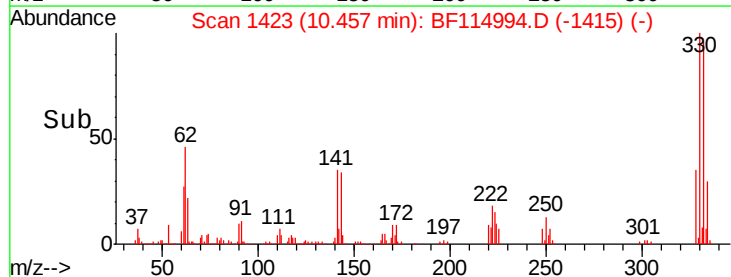
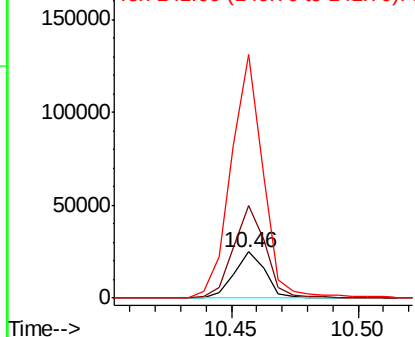


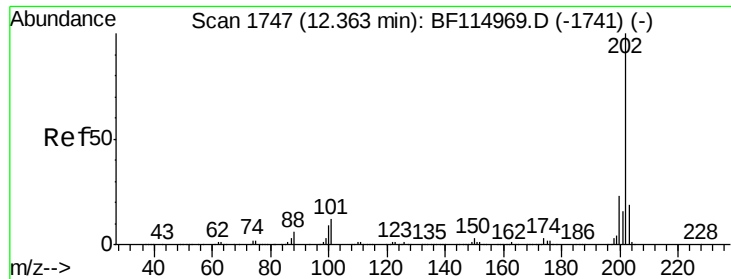
#67
4-Bromophenyl-phenylether
Concen: 2.537 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.25 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

Tgt Ion:248 Resp: 21281
Ion Ratio Lower Upper
248 100
250 199.4 77.8 116.8#
141 526.5 53.1 79.7#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 2.305 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Instrument :

BNA_F

ClientSampleId :

200030-200034

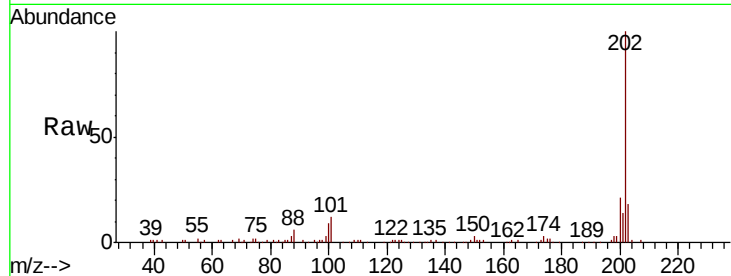
Tot Ion:202 Resp: 95079

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.4

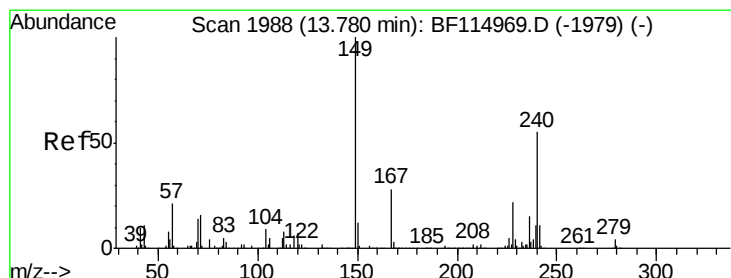
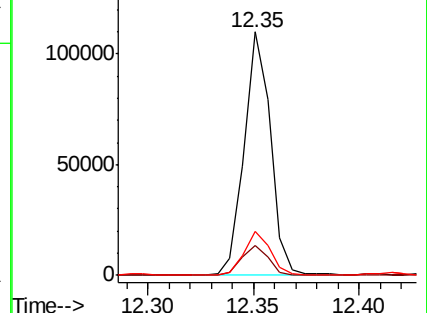
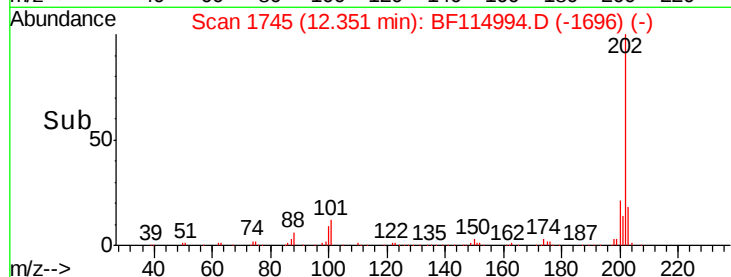
203 18.1 0.0 38.6



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: BF114994.D

Acq: 13 Jun 2019 11:11

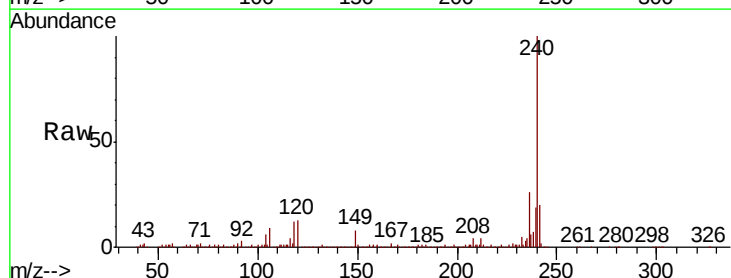
Tgt Ion:240 Resp: 523362

Ion Ratio Lower Upper

240 100

120 13.3 10.0 15.0

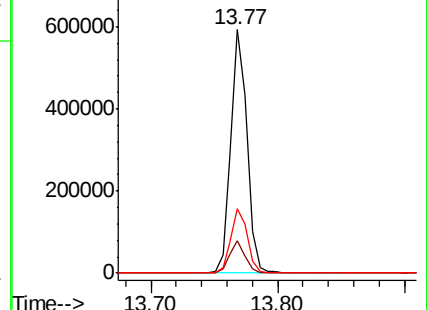
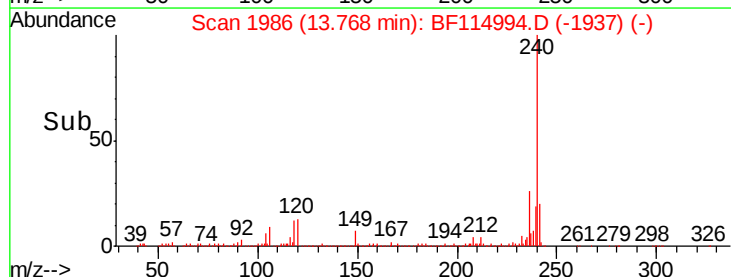
236 26.4 21.6 32.4

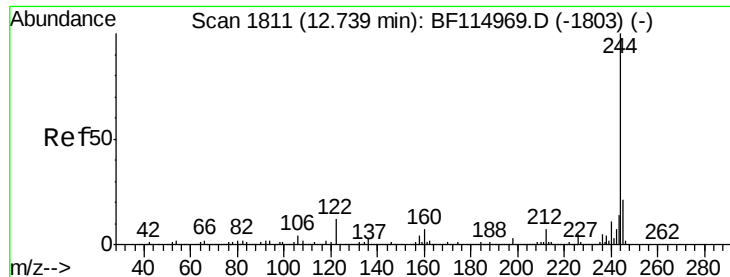


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 41.875 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Instrument :

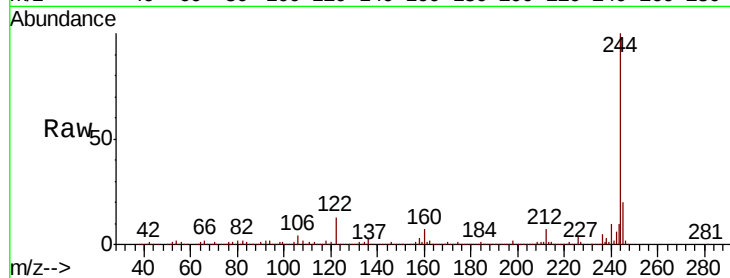
BNA_F

ClientSampleId :

200030-200034

Tot Ion:244 Resp: 1165191

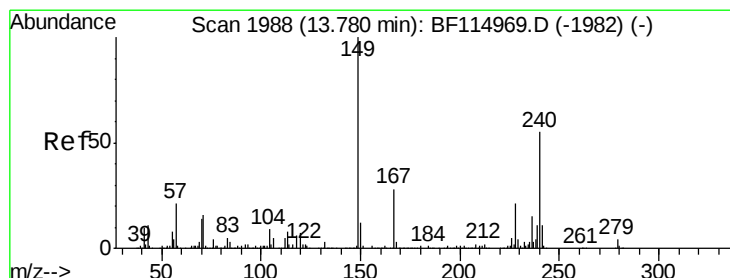
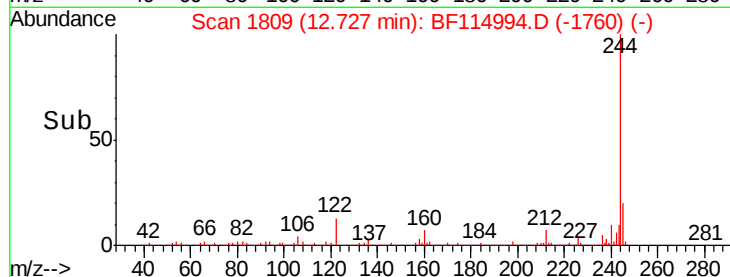
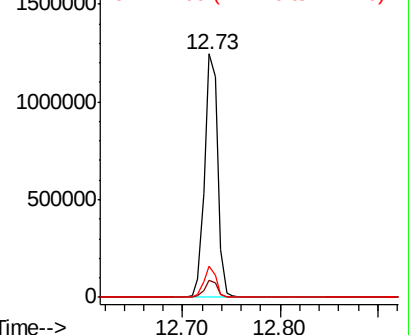
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	12.9	9.4	14.0



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: 2.213 ng

RT: 13.77 min Scan# 1987

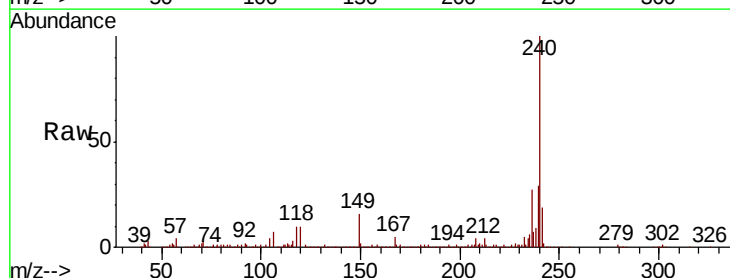
Delta R.T. -0.01 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Tgt Ion:149 Resp: 58251

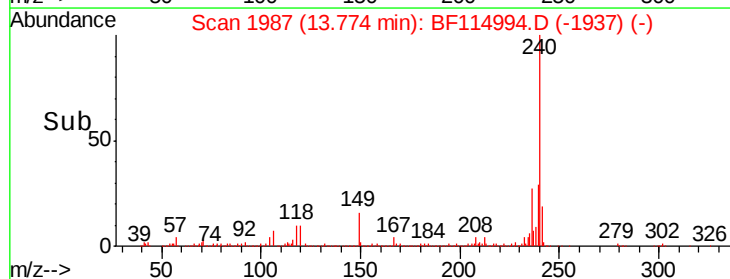
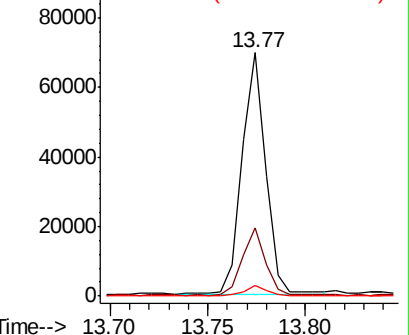
Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.2	33.4
279	4.3	3.4	5.0

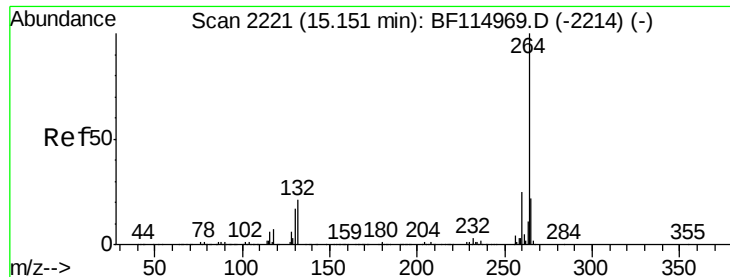


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



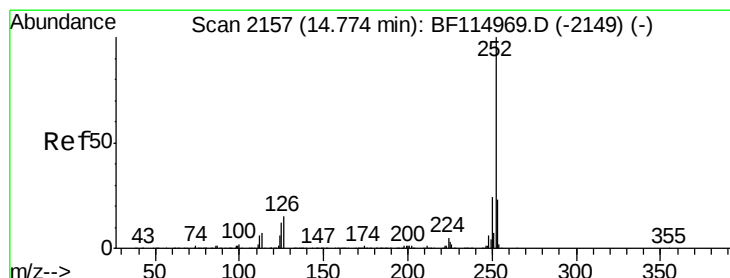
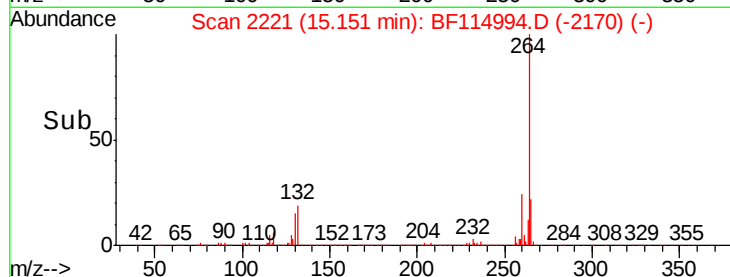
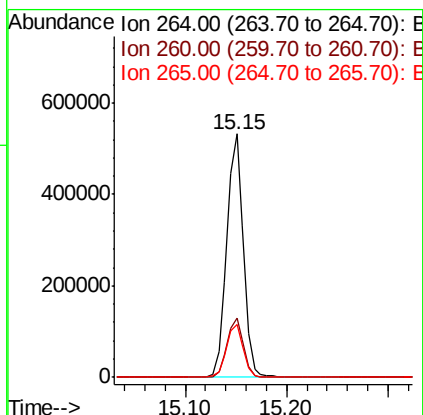
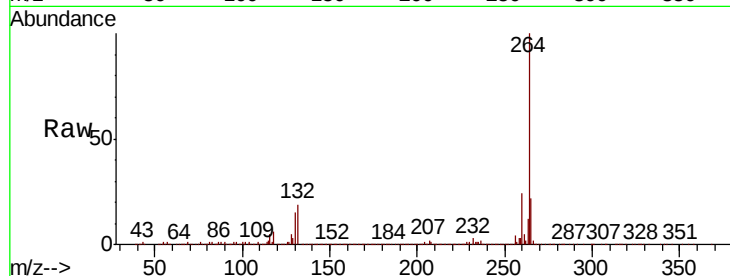


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.00 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

Instrument :
BNA_F
ClientSampleId :
200030-200034

Tot Ion:264 Resp: 608665

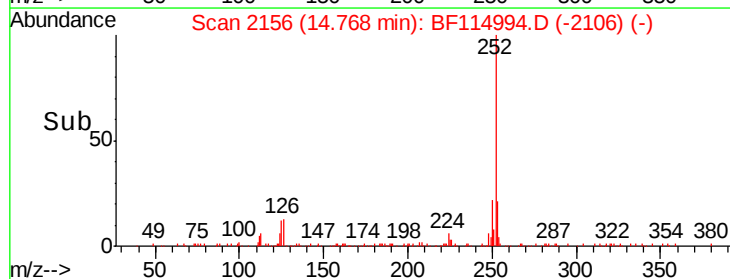
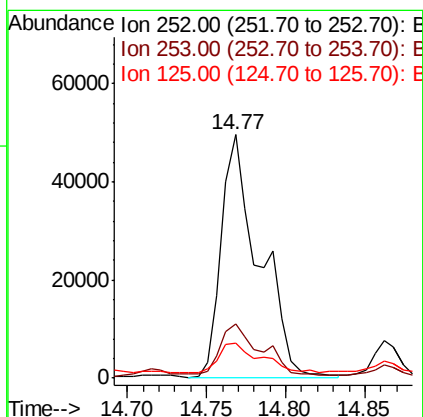
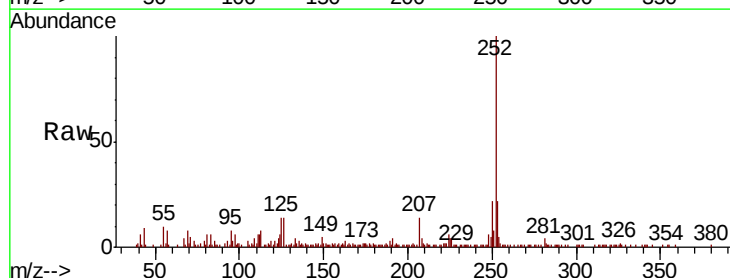
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.9	29.9
265	21.8	17.6	26.4

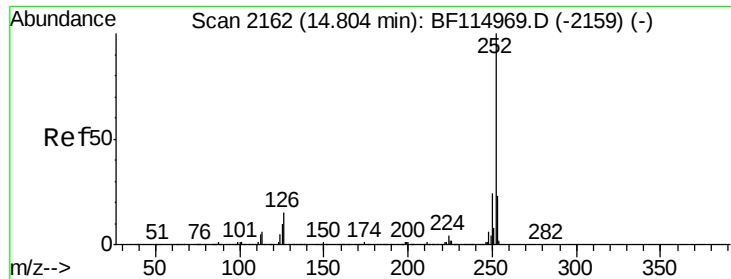


#88
Benzo(b)fluoranthene
Concen: 2.056 ng
RT: 14.77 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BF114994.D
Acq: 13 Jun 2019 11:11

Tgt Ion:252 Resp: 83198

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.1	9.4	14.0





#89

Benzo(k)fluoranthene

Concen: 2.343 ng

RT: 14.77 min Scan# 2156

Delta R.T. -0.04 min

Lab File: BF114994.D

Acq: 13 Jun 2019 11:11

Instrument :

BNA_F

ClientSampleId :

200030-200034

Tot Ion:252 Resp: 83198

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

125 14.1 8.2 12.4#

