

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061319\
 Data File : BF115025.D
 Acq On : 14 Jun 2019 1:50
 Operator : HP/JU
 Sample : K3156-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061219

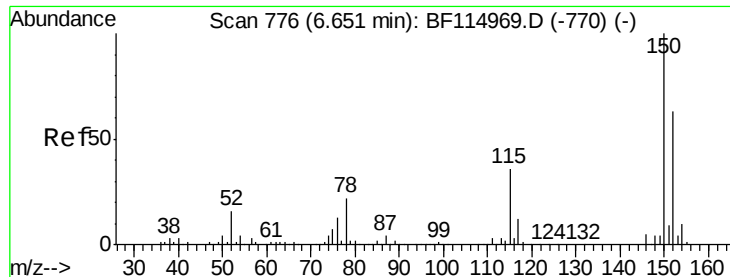
Quant Time: Jun 14 03:52:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 12 15:42:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	139576	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	522205	20.00	ng	0.00
39) Acenaphthene-d10	9.67	164	244227	20.00	ng	0.00
64) Phenanthrene-d10	11.15	188	403272	20.00	ng	-0.01
76) Chrysene-d12	13.77	240	253350	20.00	ng	-0.01
87) Perylene-d12	15.14	264	239421	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	909182	108.77	ng	0.00
7) Phenol-d6	6.29	99	1129159	111.98	ng	-0.01
23) Nitrobenzene-d5	7.20	82	680470	78.43	ng	-0.01
42) 2,4,6-Tribromophenol	10.46	330	240731	92.05	ng	-0.01
45) 2-Fluorobiphenyl	9.00	172	1256300	87.18	ng	0.00
79) Terphenyl-d14	12.73	244	945194	70.17	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.29	77	1607	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.20	70	86907	14.186	ng	# 77
25) Isophorone	7.20	82	665352	40.948	ng	# 62
50) Dimethylphthalate	9.40	163	267808	14.581	ng	# 97
57) 2,4-Dinitrotoluene	9.67	165	30695	5.788	ng	# 30
58) Fluorene	10.22	166	3239	Below Cal	#	88
67) 4-Bromophenyl-phenylether	10.46	248	15642	3.612	ng	# 1
71) Phenanthrene	11.17	178	53077	2.549	ng	95
75) Fluoranthene	12.35	202	111775	5.250	ng	97
78) Pyrene	12.57	202	95841	4.153	ng	97
81) Benzo(a)anthracene	13.76	228	53451	2.819	ng	94
83) Chrysene	13.79	228	62105	3.294	ng	95
88) Benzo(b)fluoranthene	14.76	252	107557	6.758	ng	# 91
89) Benzo(k)fluoranthene	14.76	252	107557	7.699	ng	# 90
90) Benzo(a)pyrene	15.09	252	50153	3.652	ng	# 94
92) Benzo(g,h,i)perylene	16.83	276	29101	2.413	ng	97

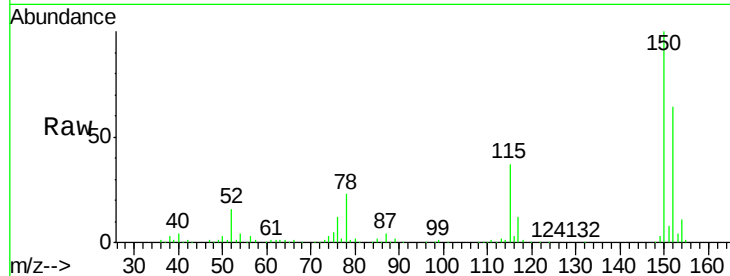
(#) = qualifier out of range (m) = manual integration (+) = signals summed



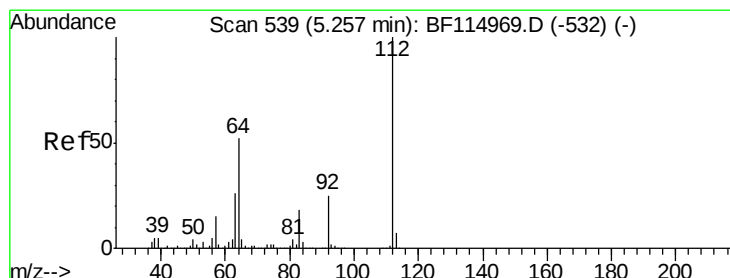
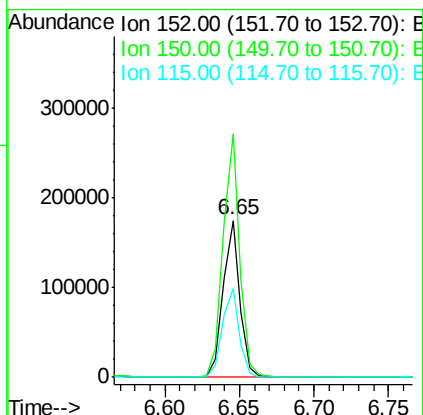
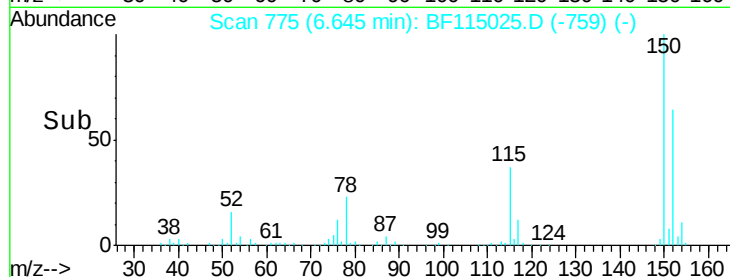
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.65 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF115025.D
 Acq: 14 Jun 2019 1:50

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061219

Tgt Ion:152 Resp: 139576
 Ion Ratio Lower Upper
 152 100
 150 155.4 127.4 191.0
 115 57.0 46.0 69.0

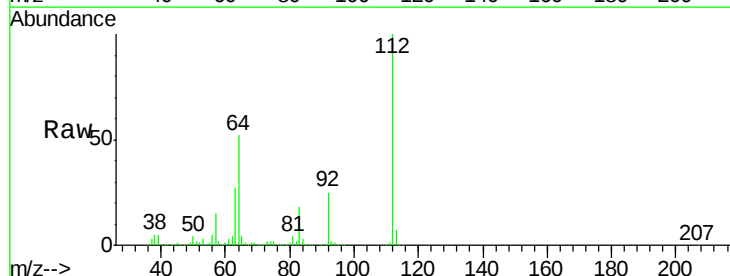


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

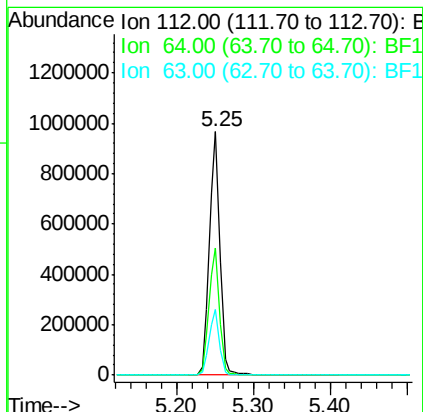
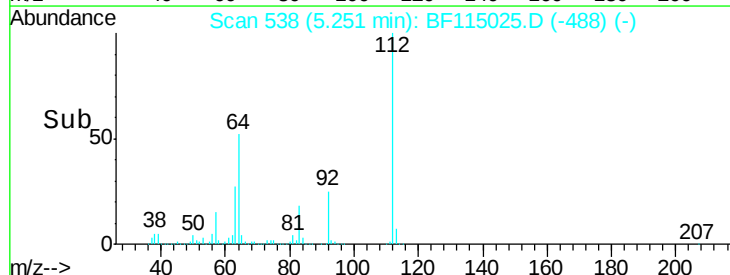


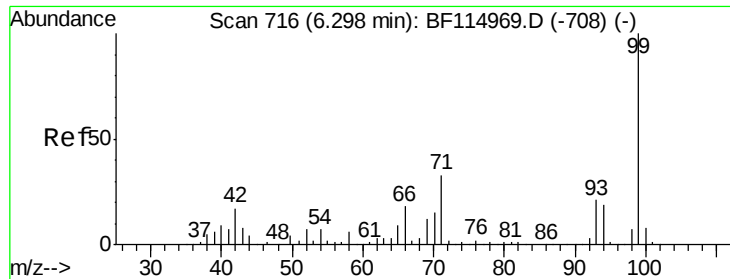
#5
 2-Fluorophenol
 Concen: 108.768 ng
 RT: 5.25 min Scan# 538
 Delta R.T. -0.01 min
 Lab File: BF115025.D
 Acq: 14 Jun 2019 1:50

Tgt Ion:112 Resp: 909182
 Ion Ratio Lower Upper
 112 100
 64 52.4 41.6 62.4
 63 26.8 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: 111.984 ng

RT: 6.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

Instrument :

BNA_F

ClientSampleId :

HD-01-061219

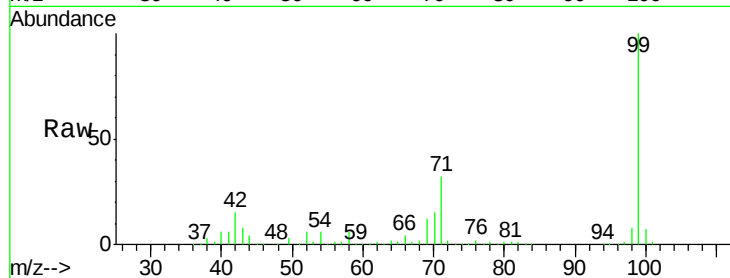
Tgt Ion: 99 Resp: 1129159

Ion Ratio Lower Upper

99 100

42 15.5 13.4 20.2

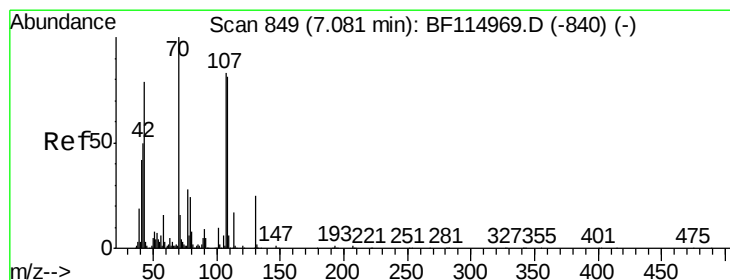
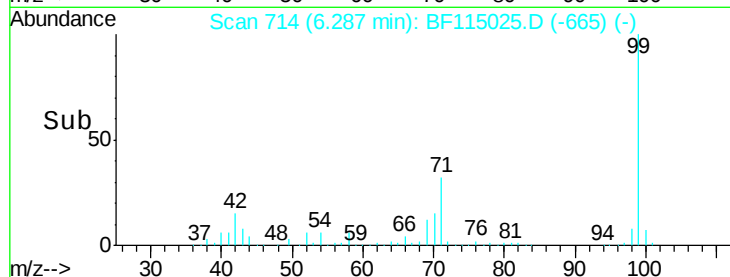
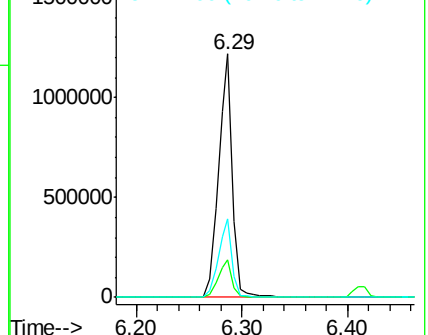
71 32.3 26.4 39.6



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: 14.186 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.12 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

Tgt Ion: 70 Resp: 86907

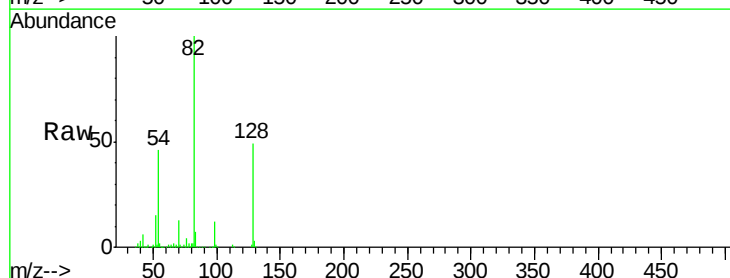
Ion Ratio Lower Upper

70 100

42 42.5 40.3 60.5

101 0.0 8.2 12.4#

130 2.3 20.3 30.5#

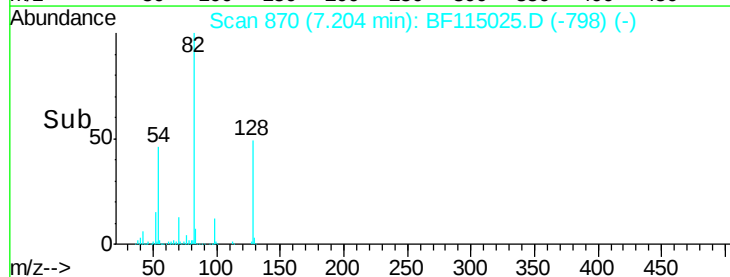
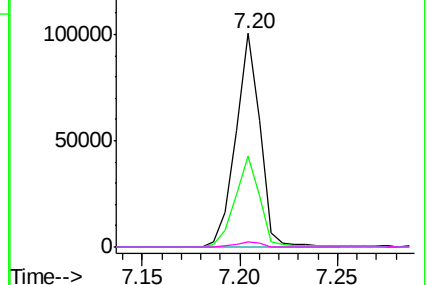


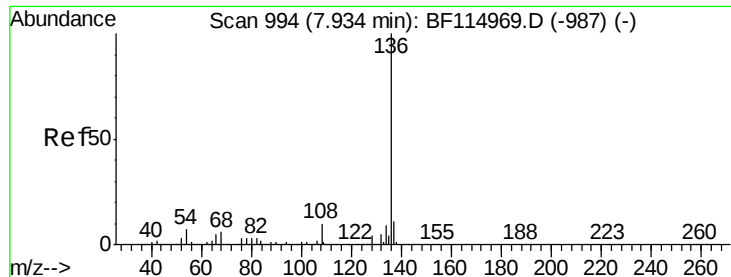
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

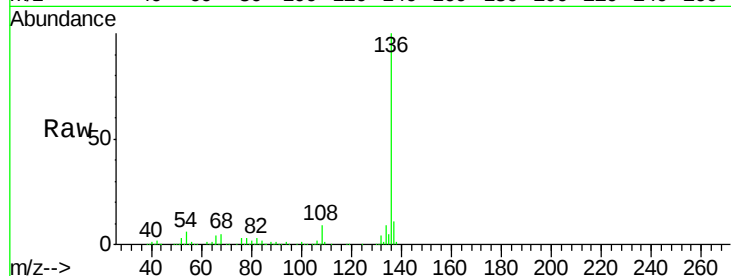




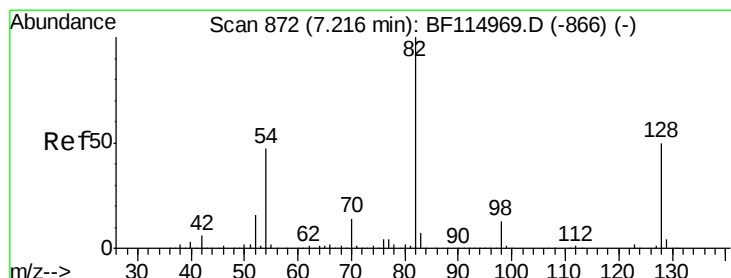
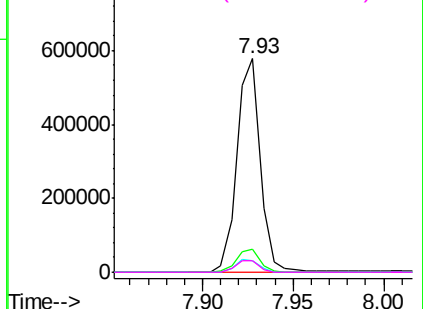
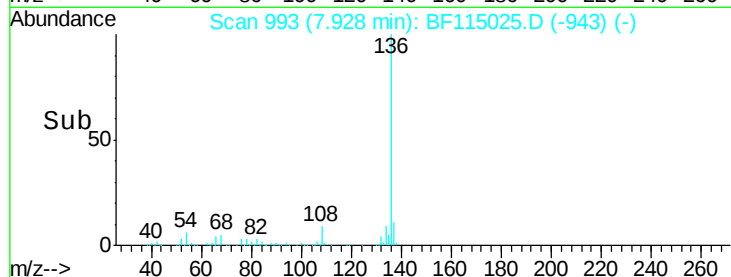
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

Instrument :
BNA_F
ClientSampleId :
HD-01-061219

Tgt Ion:	136	Resp:	522205
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	5.7	5.4	8.0
68	5.3	4.6	7.0

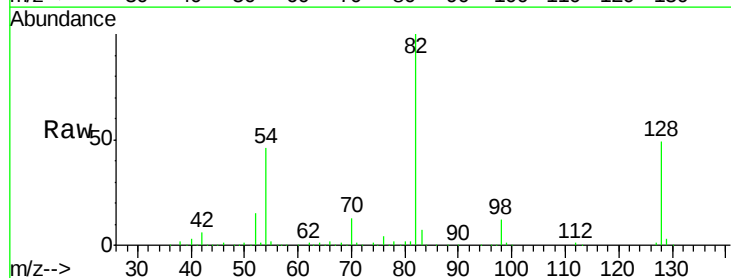


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

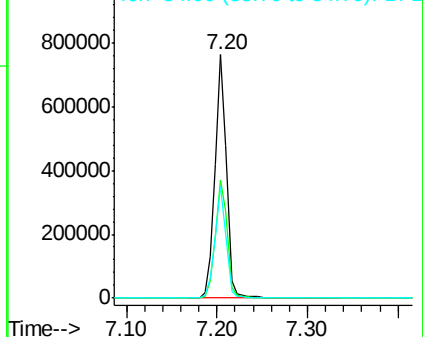
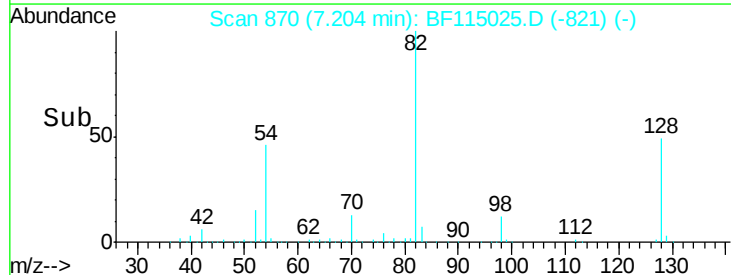


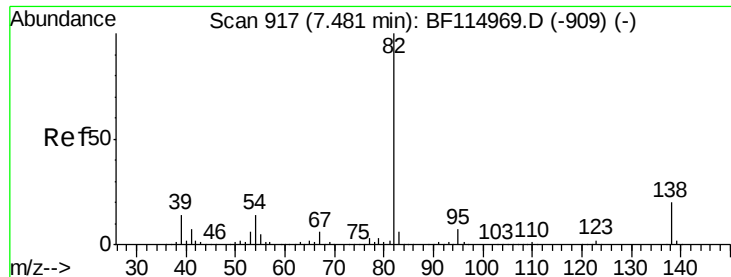
#23
Nitrobenzene-d5
Concen: 78.435 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

Tgt Ion:	82	Resp:	680470
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

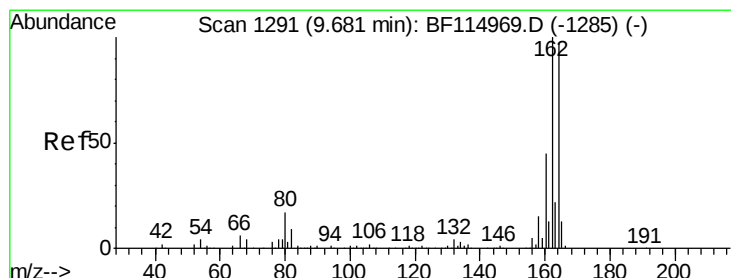
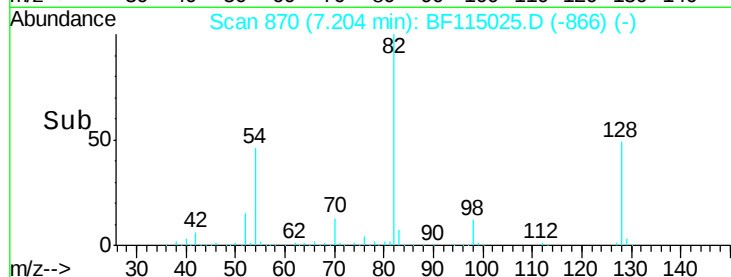
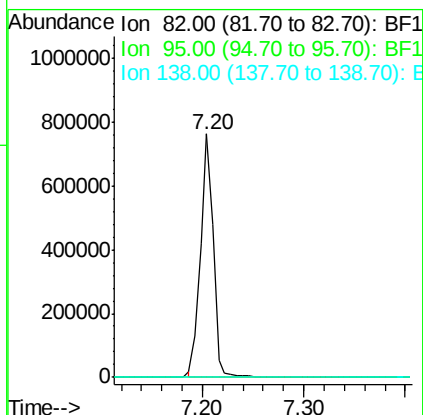
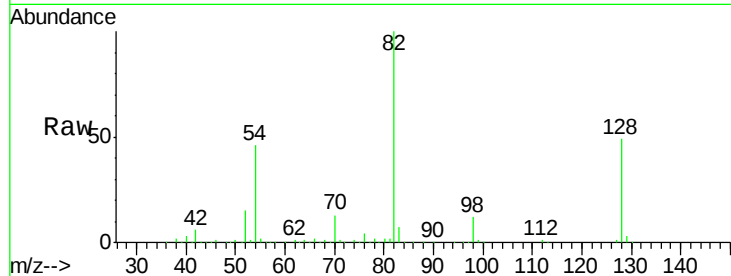




#25
Isophorone
Concen: 40.948 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.28 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

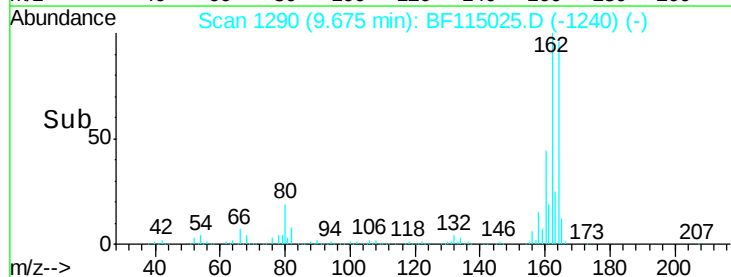
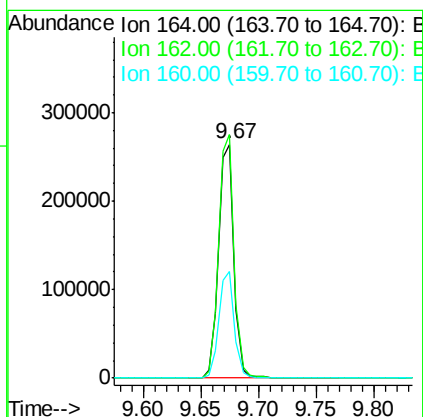
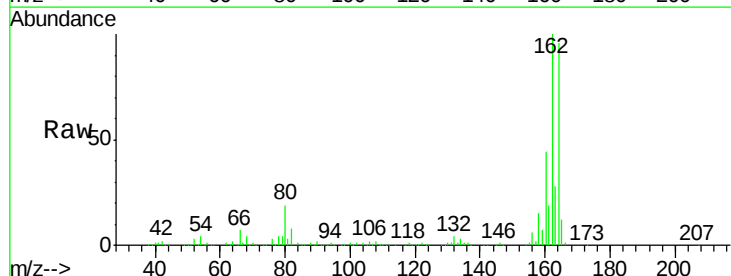
Instrument :
BNA_F
ClientSampleId :
HD-01-061219

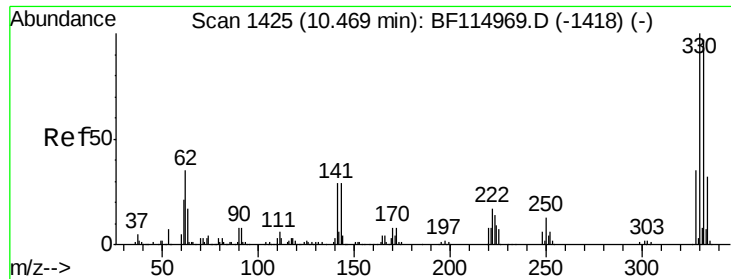
Tgt Ion: 82 Resp: 665352
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.1 24.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

Tgt Ion: 164 Resp: 244227
Ion Ratio Lower Upper
164 100
162 104.1 82.6 124.0
160 45.9 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 92.046 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

Instrument :

BNA_F

ClientSampleId :

HD-01-061219

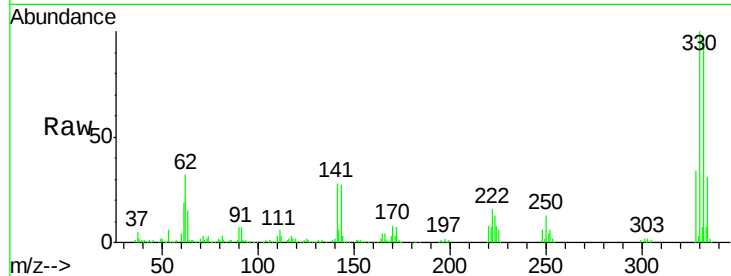
Tgt Ion:330 Resp: 240731

Ion Ratio Lower Upper

330 100

332 95.6 77.6 116.4

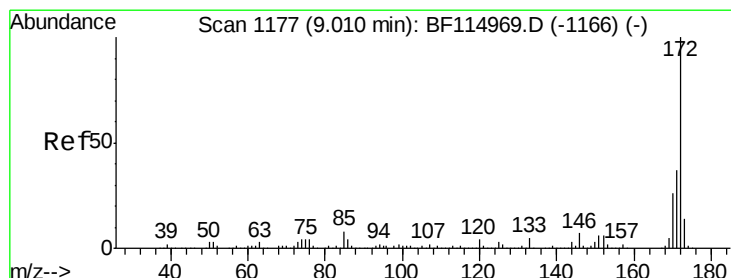
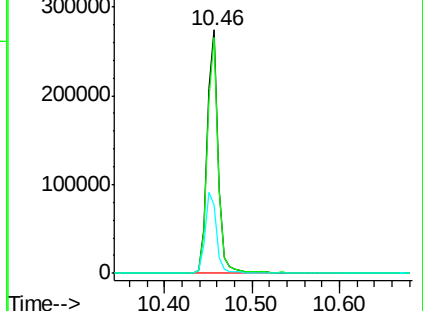
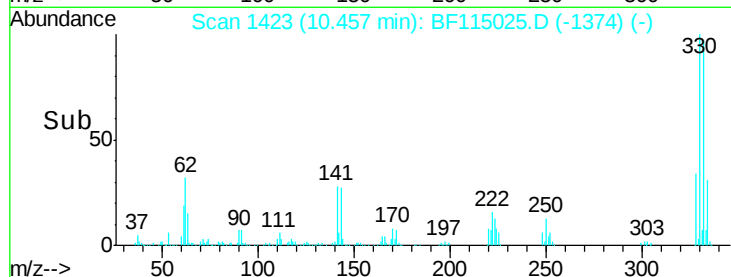
141 34.7 27.2 40.8



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: 87.182 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

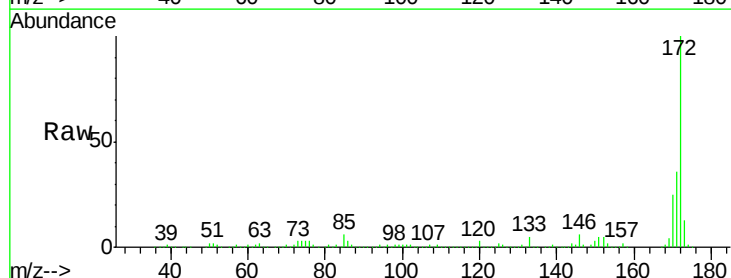
Tgt Ion:172 Resp: 1256300

Ion Ratio Lower Upper

172 100

171 36.0 29.8 44.6

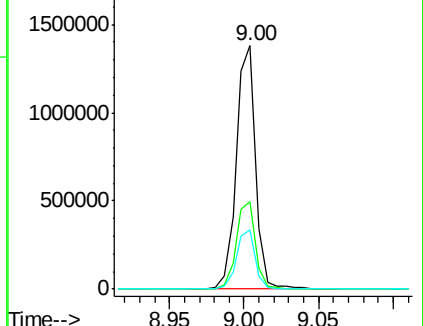
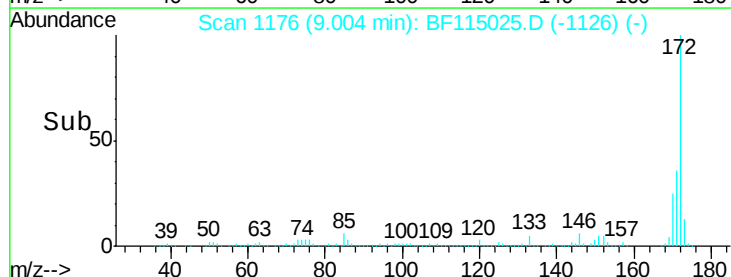
170 24.5 20.6 31.0

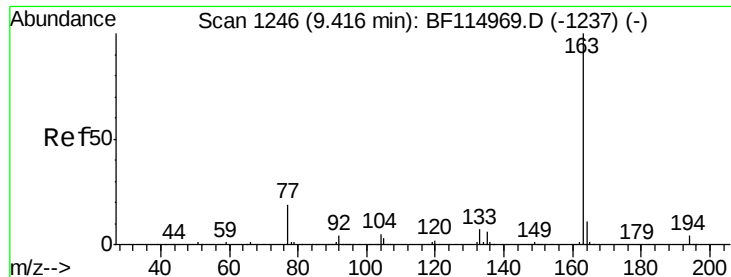


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

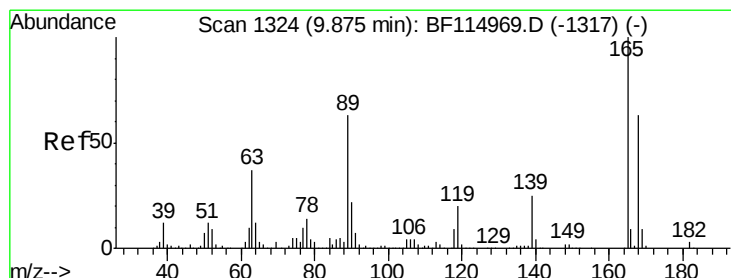
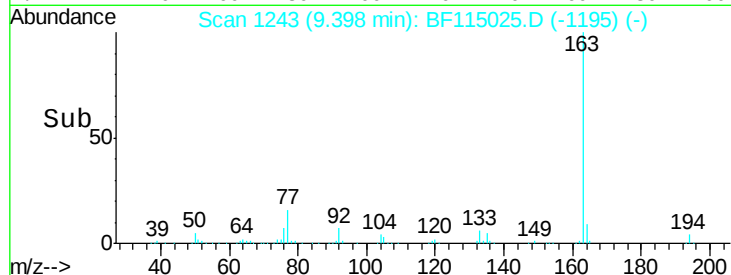
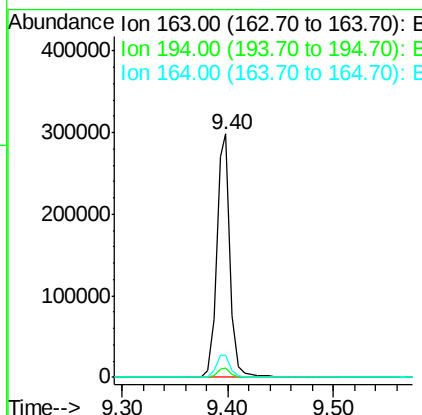
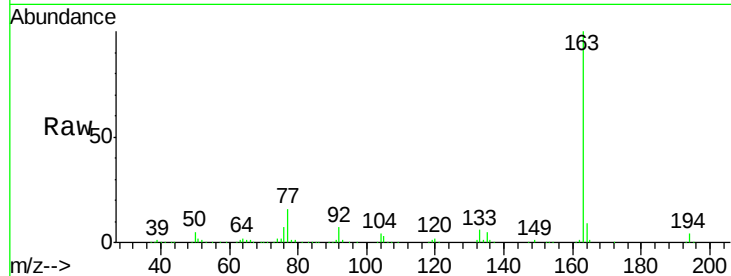




#50
Dimethylphthalate
Concen: 14.581 ng
RT: 9.40 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

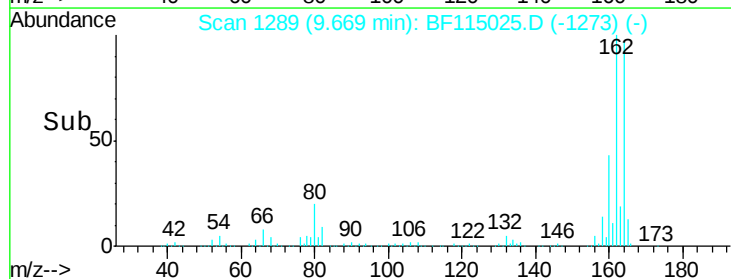
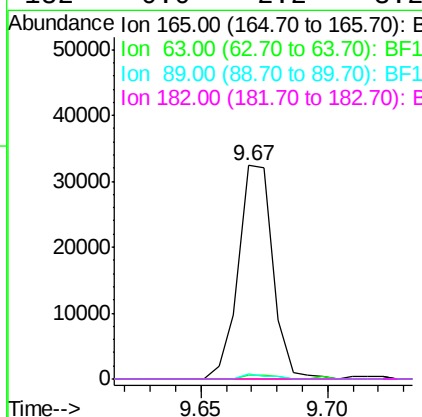
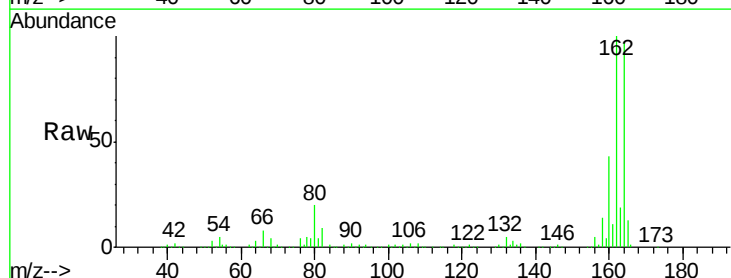
Instrument :
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HD-01-061219

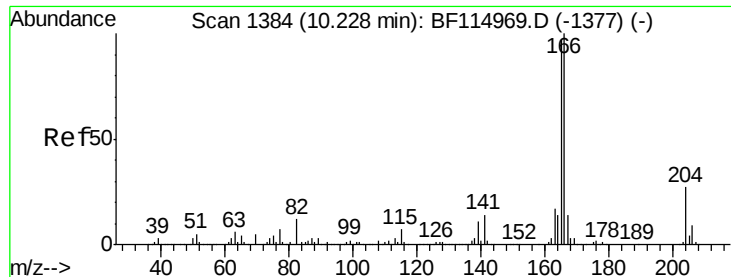
Tgt Ion:163 Resp: 267808
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.2 8.6 12.8



#57
2,4-Dinitrotoluene
Concen: 5.788 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.21 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

Tgt Ion:165 Resp: 30695
Ion Ratio Lower Upper
165 100
63 1.7 29.4 44.2#
89 2.2 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: BF115025.D

Acq: 14 Jun 2019 1:50

Instrument :

BNA_F

ClientSampleId :

HD-01-061219

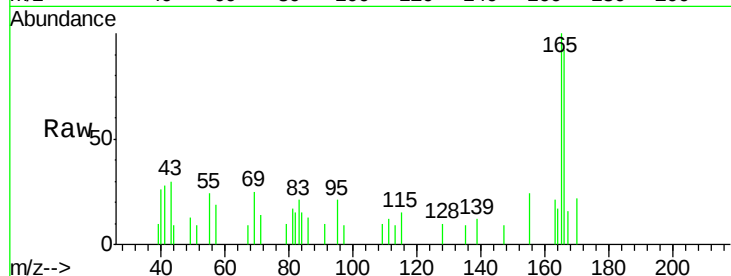
Tgt Ion:166 Resp: 3239

Ion Ratio Lower Upper

166 100

165 109.2 77.6 116.4

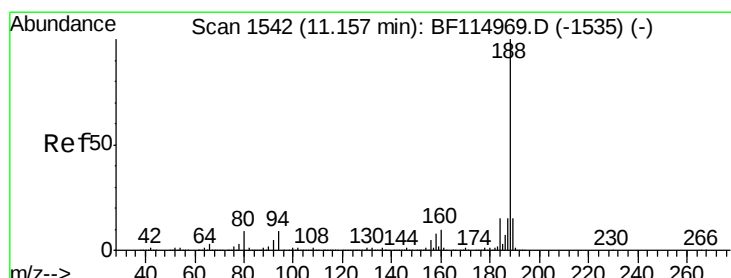
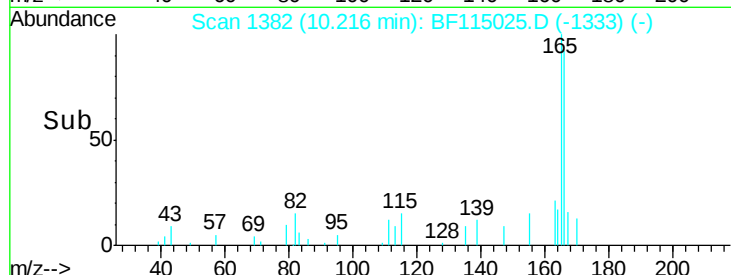
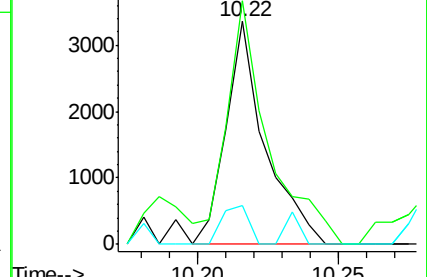
167 17.7 11.0 16.4#



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: BF115025.D

Acq: 14 Jun 2019 1:50

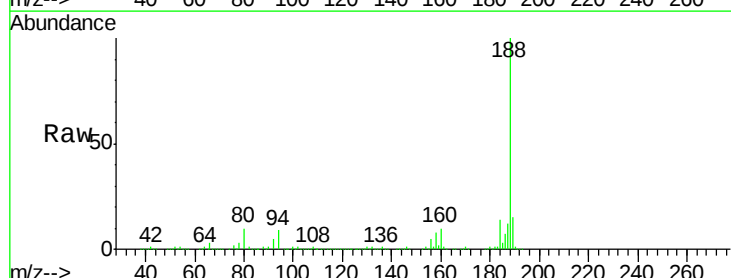
Tgt Ion:188 Resp: 403272

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

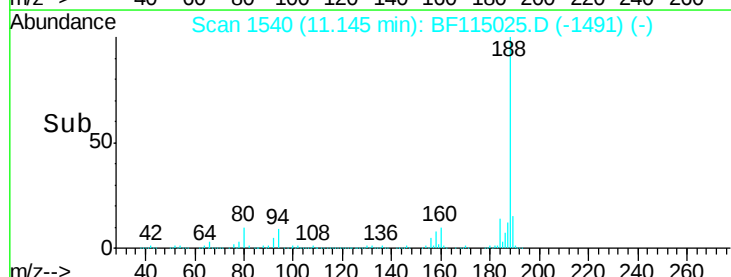
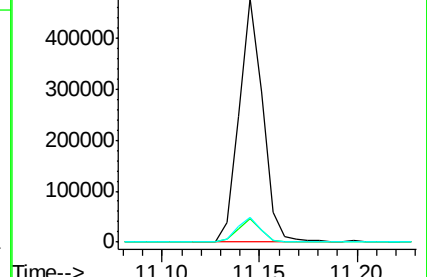
80 10.2 7.4 11.2

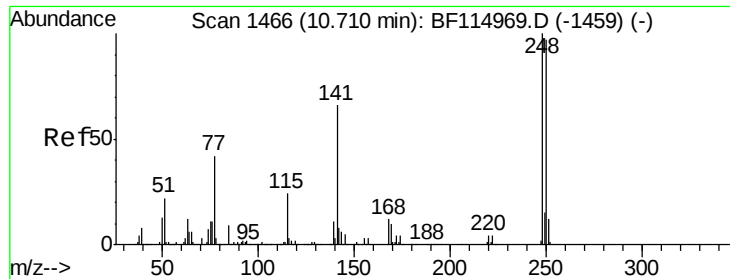


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

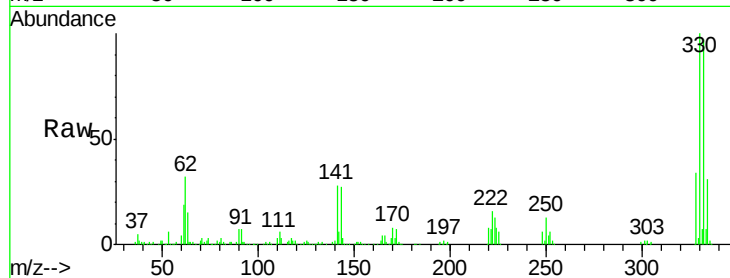




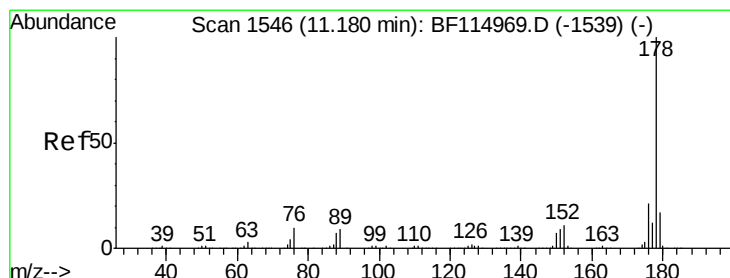
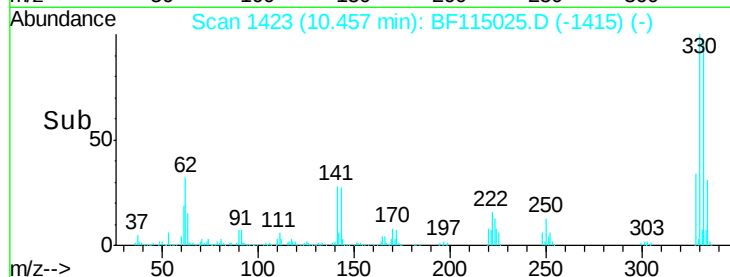
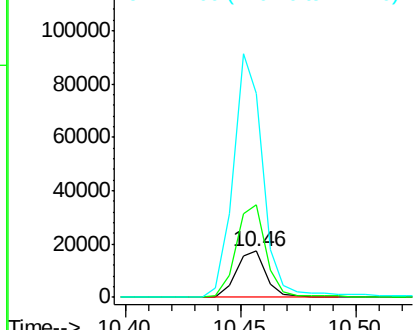
#67
 4-Bromophenyl-phenylether
 Concen: 3.612 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.25 min
 Lab File: BF115025.D
 Acq: 14 Jun 2019 1:50

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-061219

Tgt Ion:248 Resp: 15642
 Ion Ratio Lower Upper
 248 100
 250 200.9 77.8 116.8#
 141 442.5 53.1 79.7#

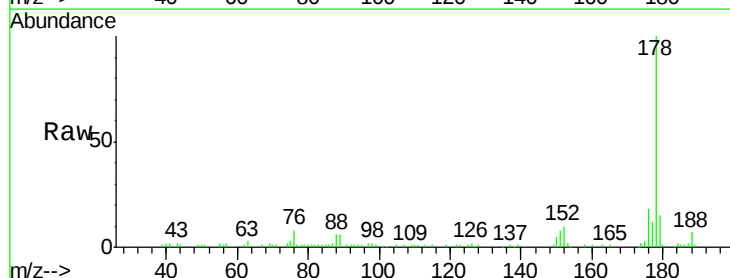


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

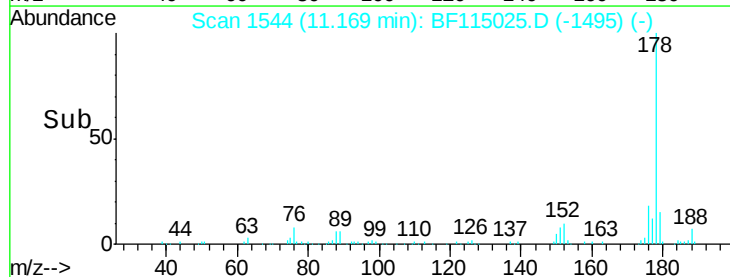
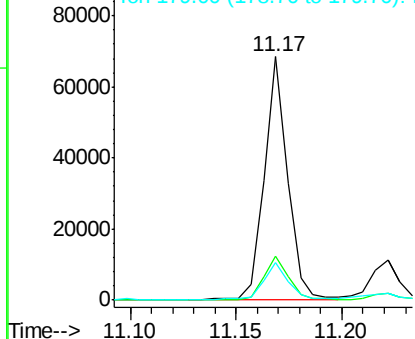


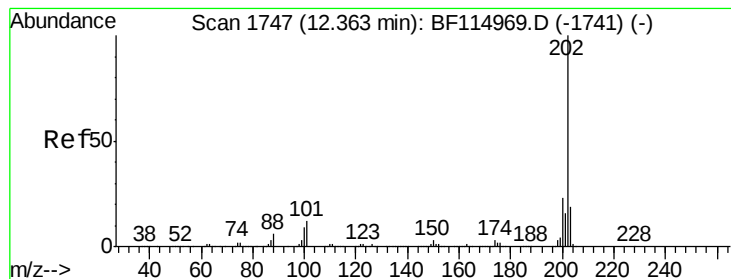
#71
 Phenanthrene
 Concen: 2.549 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF115025.D
 Acq: 14 Jun 2019 1:50

Tgt Ion:178 Resp: 53077
 Ion Ratio Lower Upper
 178 100
 176 18.0 16.9 25.3
 179 15.2 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: 5.250 ng

RT: 12.35 min Scan# 1745

Delta R.T. -0.01 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

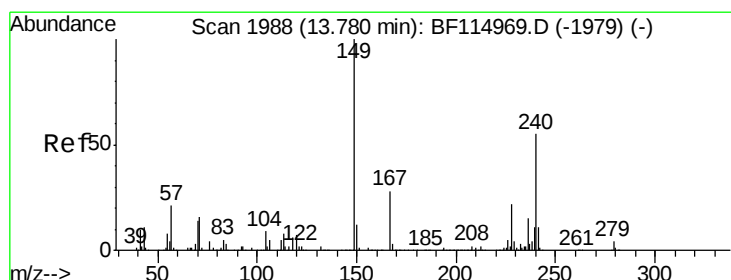
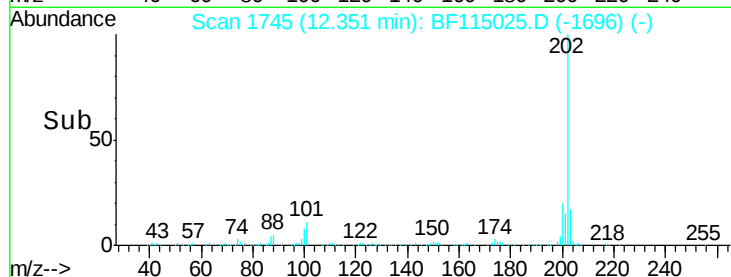
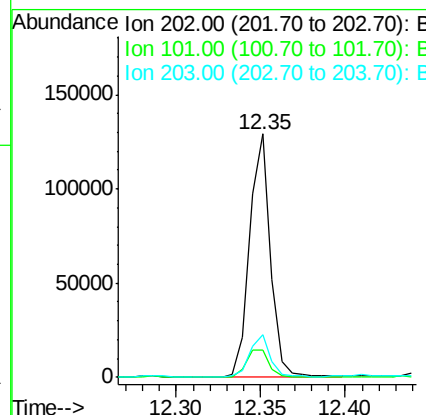
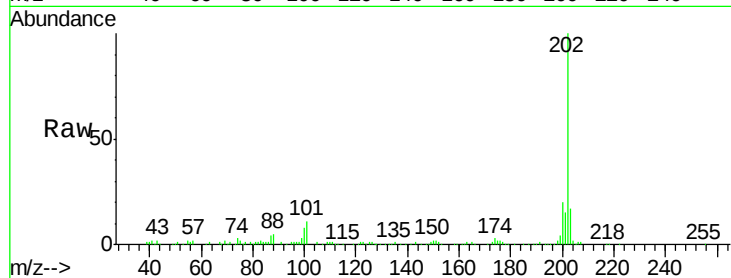
Instrument :

BNA_F

ClientSampleId :

HD-01-061219

Tgt Ion:	202	Resp:	111775
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.4
203	17.3	0.0	38.6



#76

Chrysene-d12

Concen: 20.000 ng

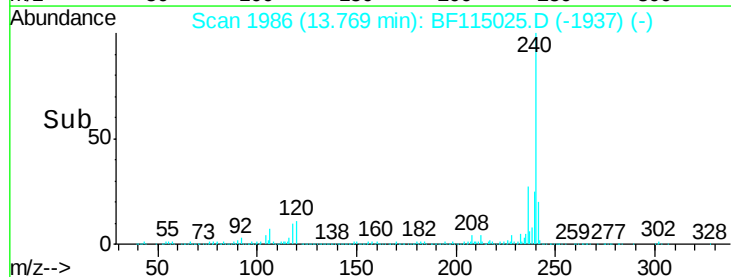
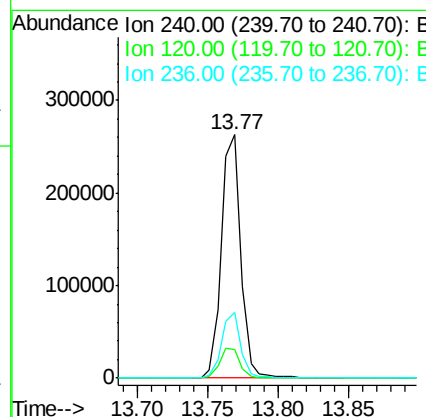
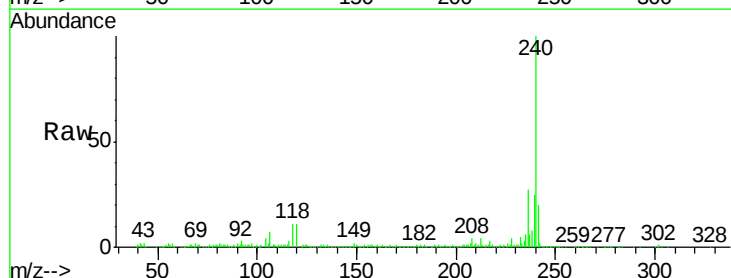
RT: 13.77 min Scan# 1986

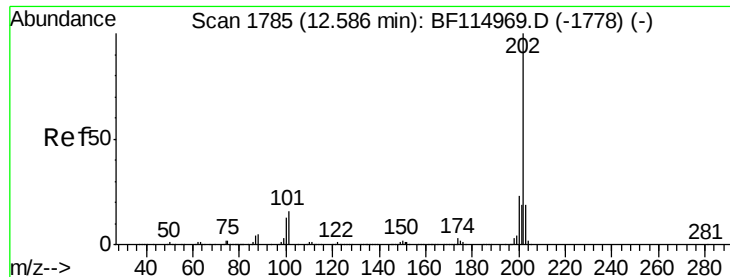
Delta R.T. -0.01 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

Tgt Ion:	240	Resp:	253350
Ion	Ratio	Lower	Upper
240	100		
120	11.5	10.0	15.0
236	27.0	21.6	32.4

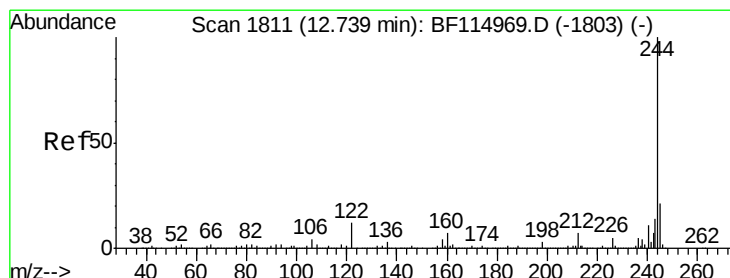
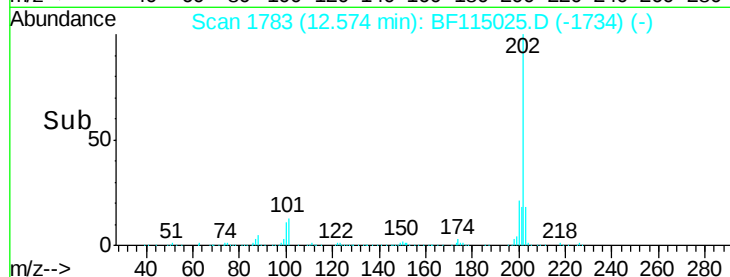
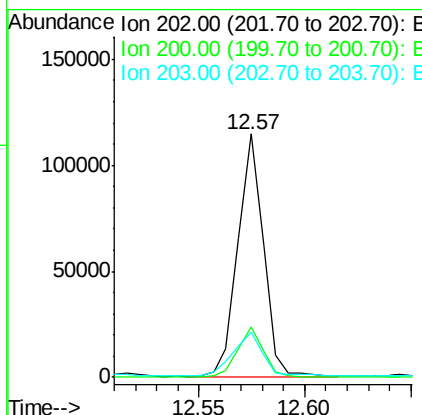
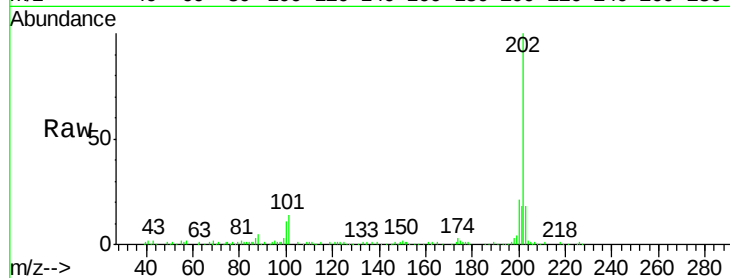




#78
Pyrene
Concen: 4.153 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

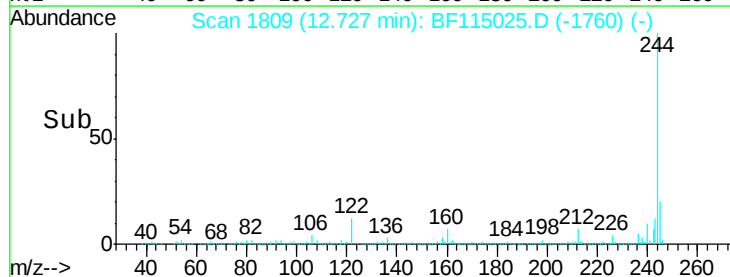
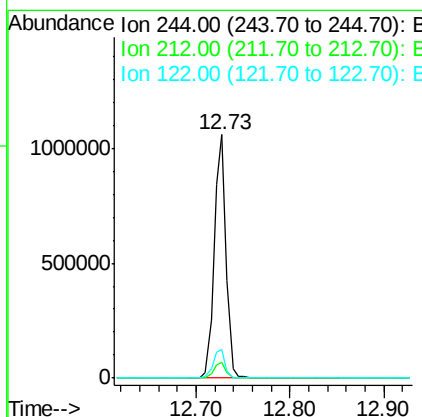
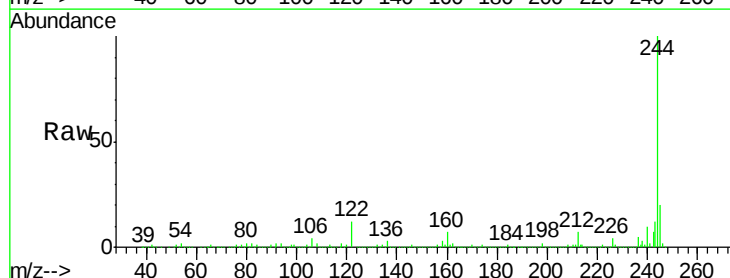
Instrument :
BNA_F
ClientSampleId :
HD-01-061219

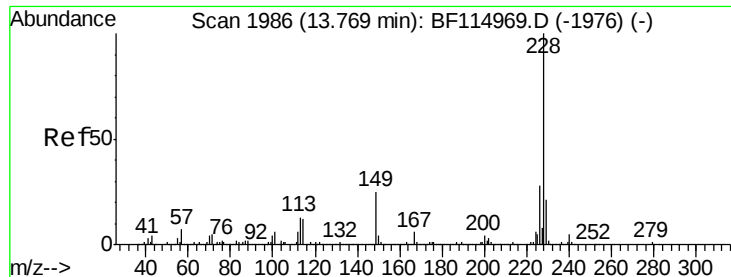
Tgt Ion: 202 Resp: 95841
Ion Ratio Lower Upper
202 100
200 20.6 18.4 27.6
203 18.4 14.9 22.3



#79
Terphenyl-d14
Concen: 70.171 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

Tgt Ion: 244 Resp: 945194
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 11.6 9.4 14.0





#81

Benzo(a)anthracene

Concen: 2.819 ng

RT: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

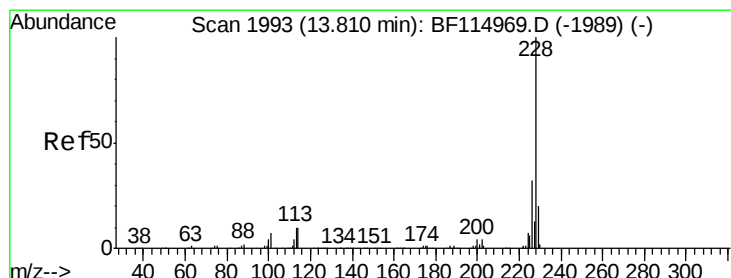
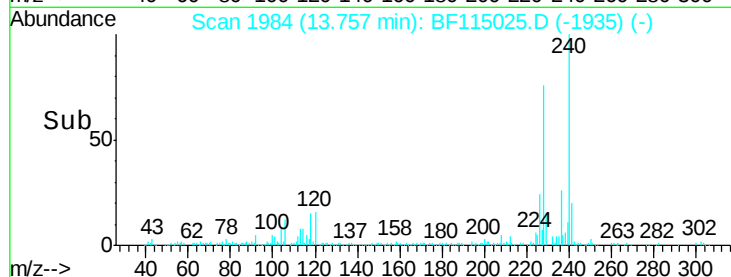
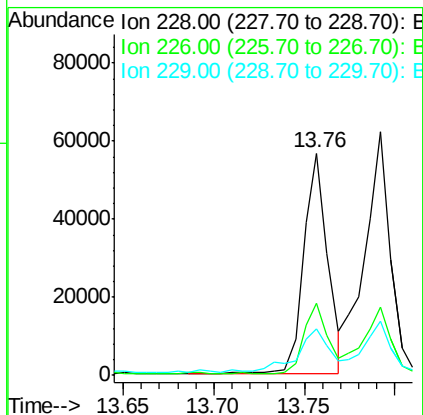
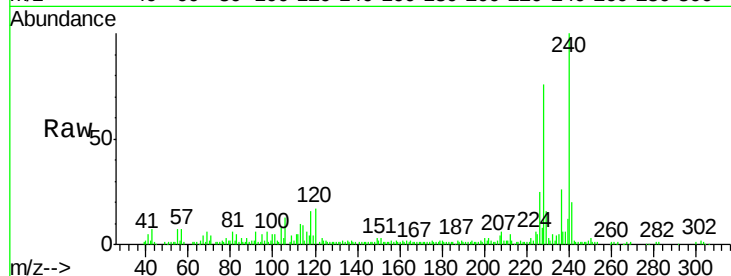
Instrument :

BNA_F

ClientSampleId :

HD-01-061219

Tgt Ion:	228	Resp:	53451
Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.0	33.0
229	21.1	16.6	25.0



#83

Chrysene

Concen: 3.294 ng

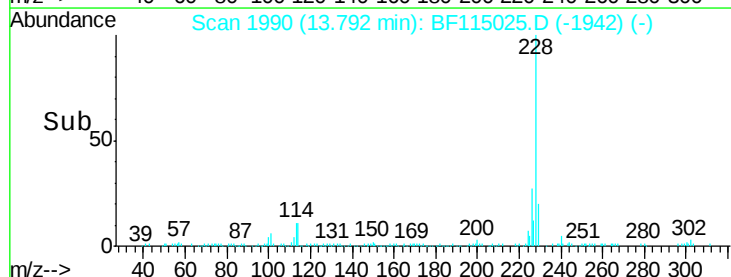
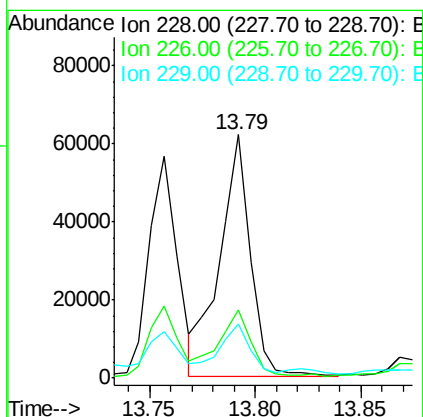
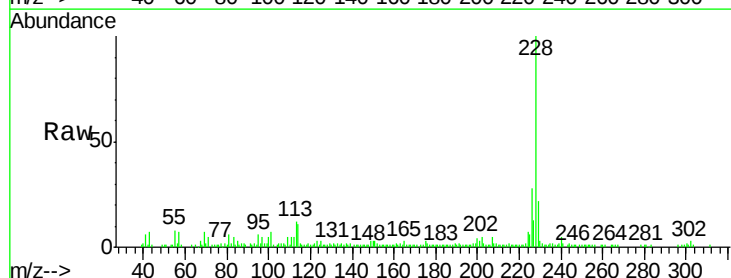
RT: 13.79 min Scan# 1990

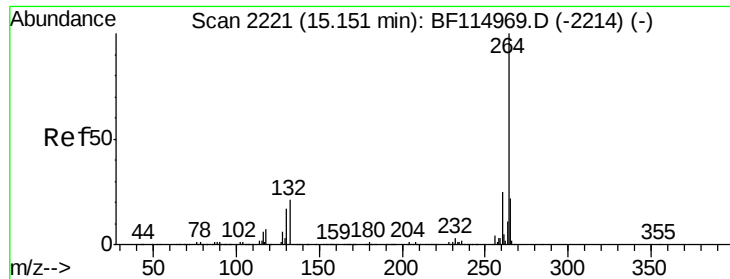
Delta R.T. -0.02 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

Tgt Ion:	228	Resp:	62105
Ion	Ratio	Lower	Upper
228	100		
226	28.0	25.4	38.0
229	22.1	16.4	24.6

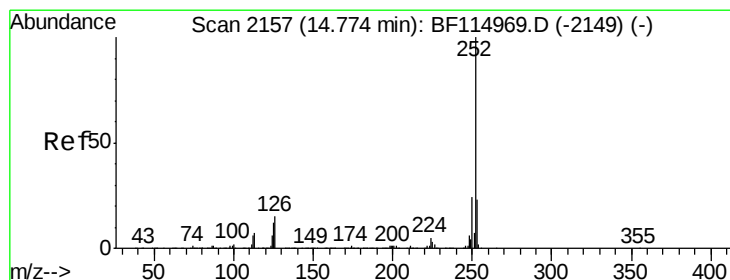
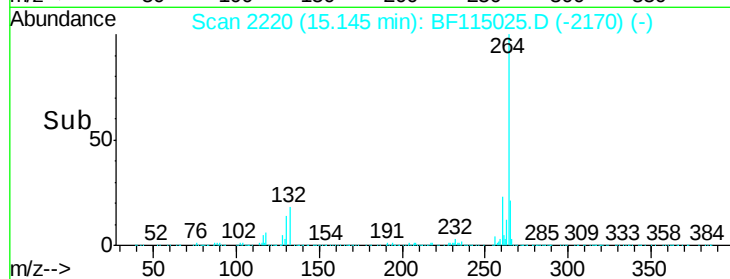
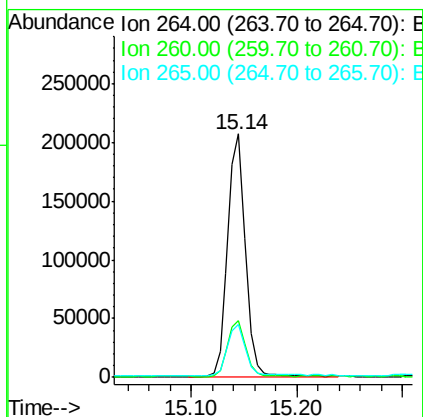
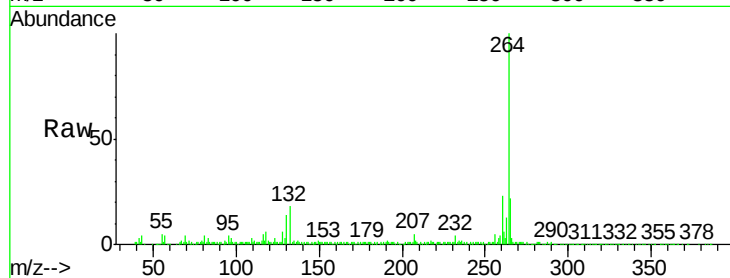




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

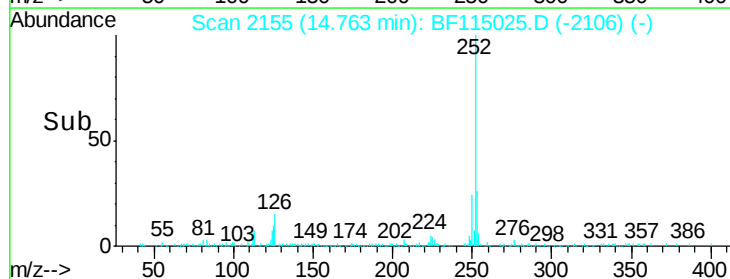
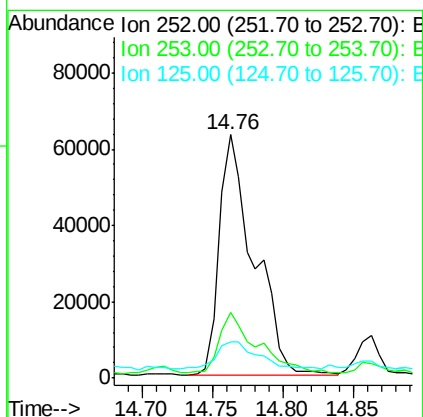
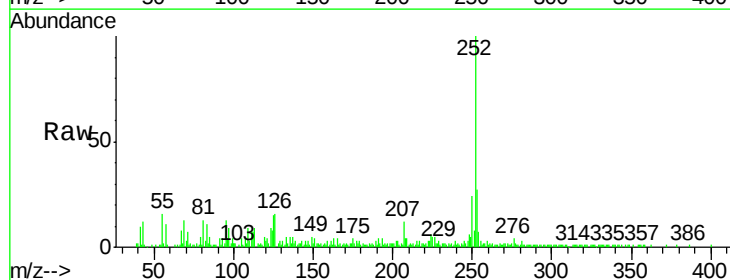
Instrument :
BNA_F
ClientSampleId :
HD-01-061219

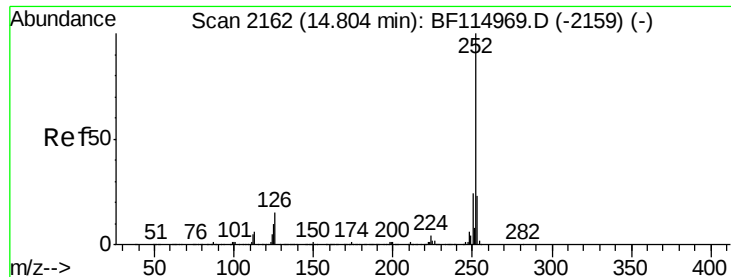
Tgt Ion: 264 Resp: 239421
Ion Ratio Lower Upper
264 100
260 23.3 19.9 29.9
265 21.8 17.6 26.4



#88
Benzo(b)fluoranthene
Concen: 6.758 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

Tgt Ion: 252 Resp: 107557
Ion Ratio Lower Upper
252 100
253 26.8 18.1 27.1
125 14.9 9.4 14.0#

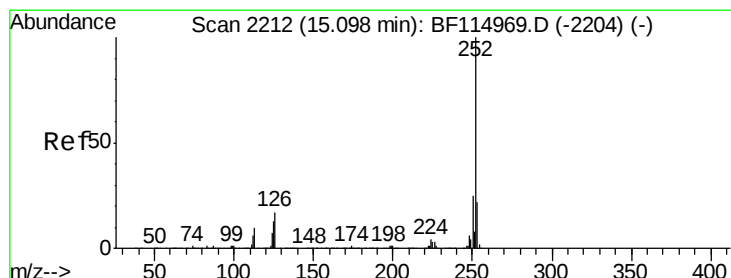
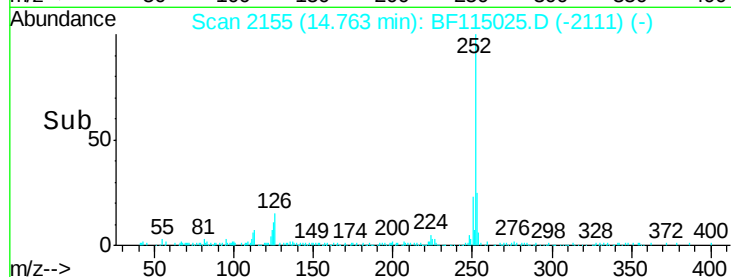
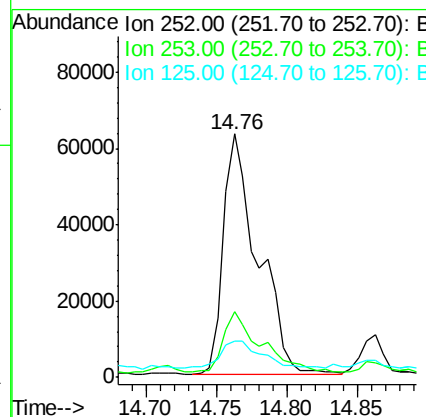
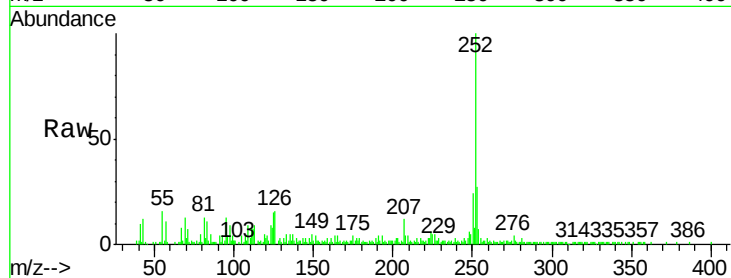




#89
Benzo(k)fluoranthene
Concen: 7.699 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.04 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

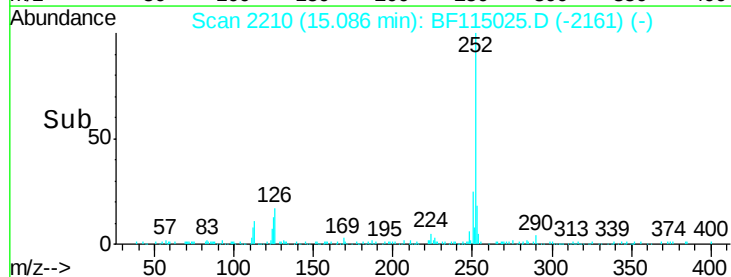
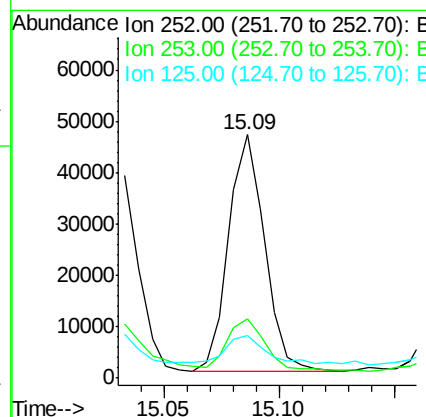
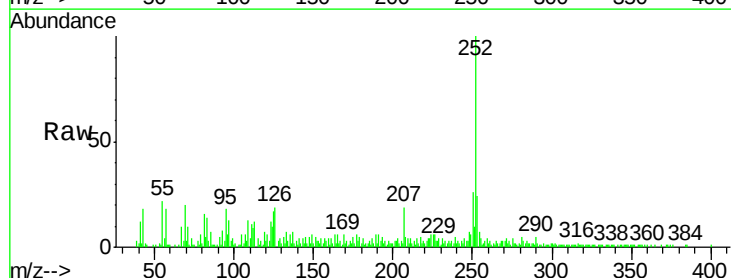
Instrument :
BNA_F
ClientSampleId :
HD-01-061219

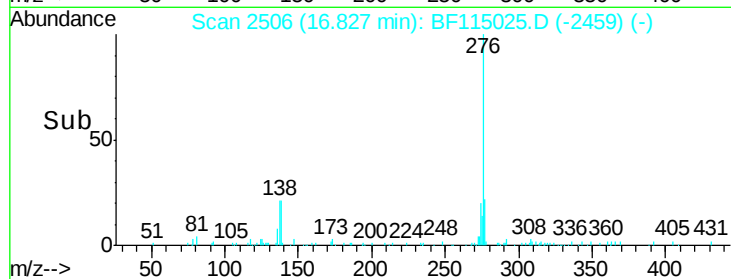
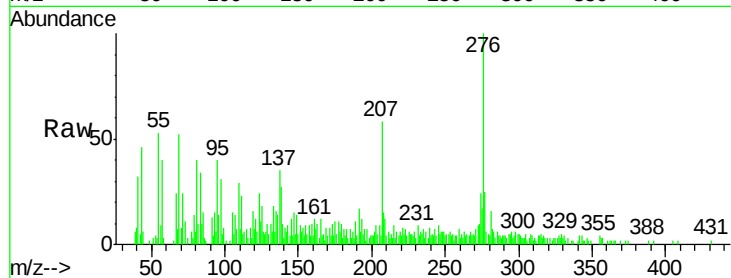
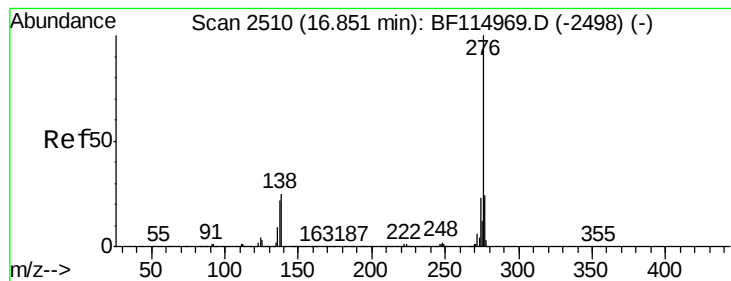
Tgt Ion: 252 Resp: 107557
Ion Ratio Lower Upper
252 100
253 26.8 18.0 27.0
125 14.9 8.2 12.4#



#90
Benzo(a)pyrene
Concen: 3.652 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115025.D
Acq: 14 Jun 2019 1:50

Tgt Ion: 252 Resp: 50153
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 17.4 10.7 16.1#





#92

Benzo(g,h,i)perylene

Concen: 2.413 ng

RT: 16.83 min Scan# 2506

Delta R.T. -0.02 min

Lab File: BF115025.D

Acq: 14 Jun 2019 1:50

Instrument :

BNA_F

ClientSampleId :

HD-01-061219

Tgt Ion:276 Resp: 29101

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 26.8 20.2 30.4

