

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072319\
 Data File : BF115737.D
 Acq On : 23 Jul 2019 23:28
 Operator : HP/JU
 Sample : K3618-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

Quant Time: Jul 24 04:59:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	179628	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	714429	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	380691	20.00	ng	-0.02
64) Phenanthrene-d10	11.39	188	612109	20.00	ng	-0.02
76) Chrysene-d12	14.03	240	342463	20.00	ng	-0.02
87) Perylene-d12	15.50	264	437423	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	955468	87.01	ng	0.00
7) Phenol-d6	6.50	99	1257873	90.27	ng	-0.01
23) Nitrobenzene-d5	7.43	82	813584	66.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	328956	74.03	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1375304	63.23	ng	-0.02
79) Terphenyl-d14	12.97	244	1205890	64.97	ng	-0.02

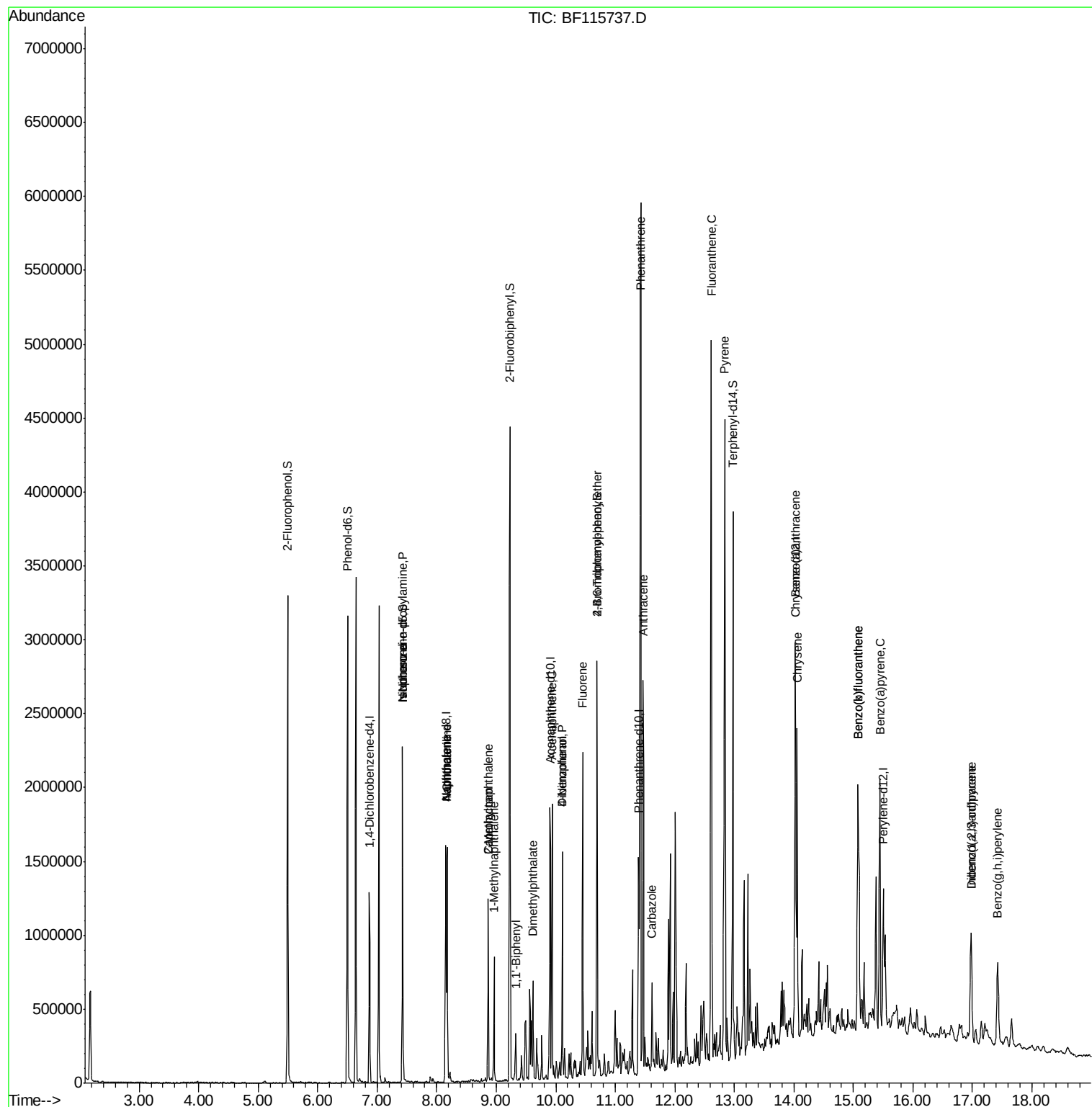
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.43	70	109436	12.042	ng	# 79
25) Isophorone	7.43	82	802610	32.645	ng	# 64
31) Naphthalene	8.17	128	745099	21.535	ng	96
33) 4-Chloroaniline	8.17	127	97610	6.369	ng	# 36
35) Caprolactam	8.86	113	7089	2.161	ng	# 1
37) 2-Methylnaphthalene	8.86	142	314831	13.727	ng	98
38) 1-Methylnaphthalene	8.96	142	212799	9.768	ng	97
46) 1,1'-Biphenyl	9.33	154	98510	3.310	ng	95
50) Dimethylphthalate	9.62	163	227138	7.930	ng	98
52) Acenaphthene	9.94	154	361587	15.252	ng	100
55) Dibenzofuran	10.11	168	498790	14.815	ng	98
56) 4-Nitrophenol	10.11	139	187890	33.125	ng	# 12
58) Fluorene	10.46	166	664979	27.629	ng	98
67) 4-Bromophenyl-phenylether	10.69	248	19864	2.840	ng	# 1
71) Phenanthrene	11.43	178	2715970	86.562	ng	100
72) Anthracene	11.47	178	984173	30.351	ng	99
73) Carbazole	11.62	167	222168	7.813	ng	99
75) Fluoranthene	12.62	202	2360862	71.204	ng	98
78) Pyrene	12.84	202	2078380	71.632	ng	99
81) Benzo(a)anthracene	14.02	228	1002674	44.442	ng	99
83) Chrysene	14.06	228	807621	35.659	ng	96
86) Indeno(1,2,3-cd)pyrene	16.98	276	516099	26.822	ng	95
88) Benzo(b)fluoranthene	15.07	252	1417054	50.310	ng	99
89) Benzo(k)fluoranthene	15.07	252	1417054	56.429	ng	99
90) Benzo(a)pyrene	15.44	252	842961	34.820	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	134350	6.321	ng	95
92) Benzo(g,h,i)perylene	17.43	276	476692	22.490	ng	99

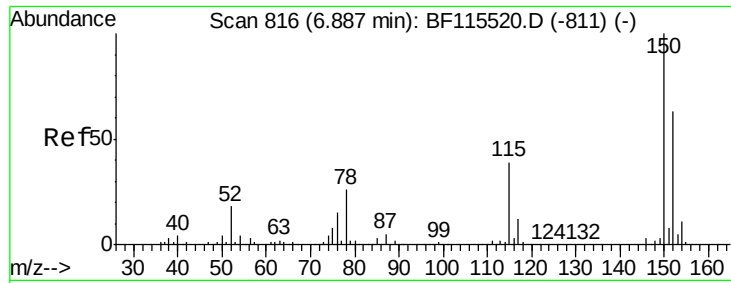
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
Operator : HP/JU
Sample : K3618-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Quant Time: Jul 24 04:59:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



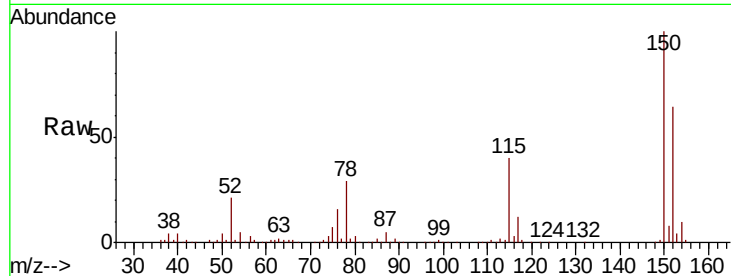


#1

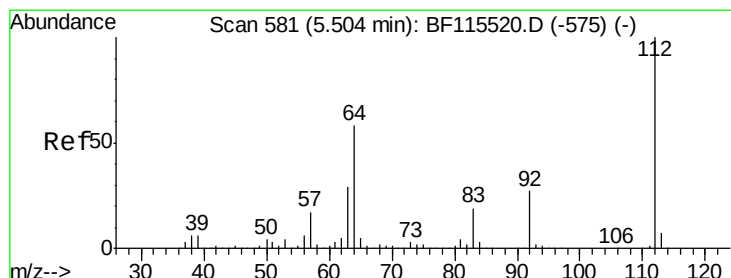
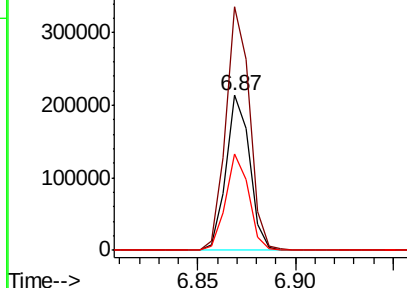
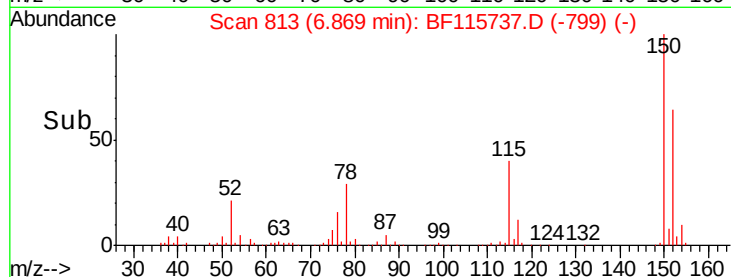
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tgt Ion:152 Resp: 179628
Ion Ratio Lower Upper
152 100
150 157.3 129.7 194.5
115 62.6 48.2 72.4



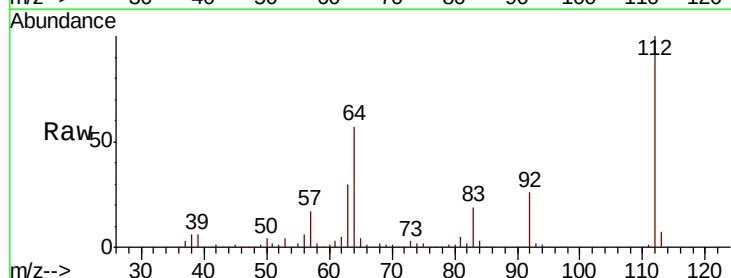
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



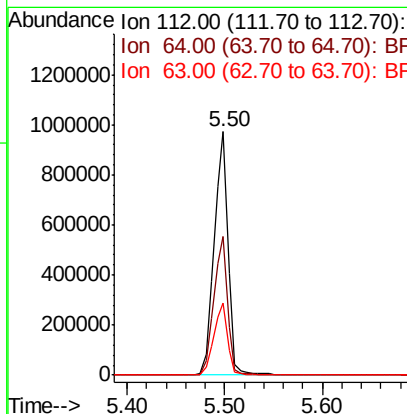
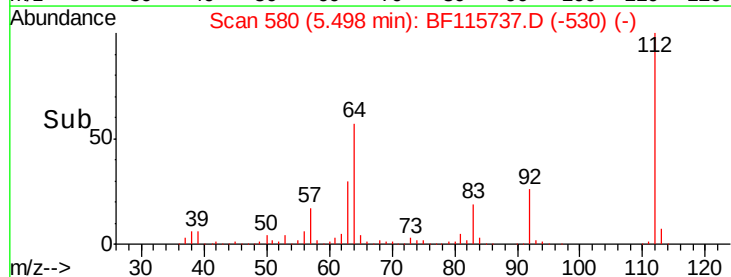
#5

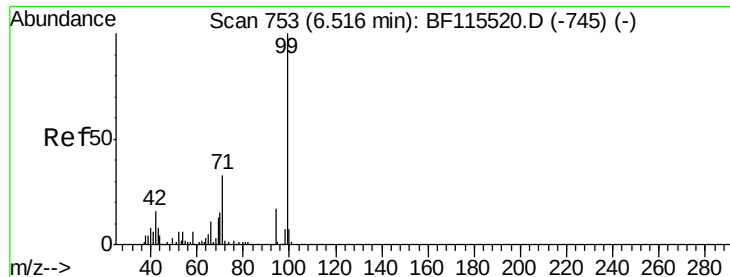
2-Fluorophenol
Concen: 87.006 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion:112 Resp: 955468
Ion Ratio Lower Upper
112 100
64 57.0 46.8 70.2
63 29.5 24.1 36.1



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: 90.271 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

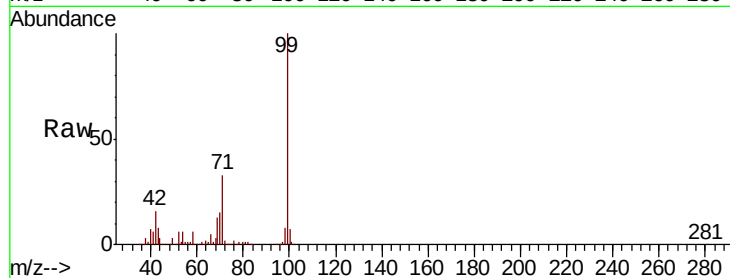
Tgt Ion: 99 Resp: 1257873

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

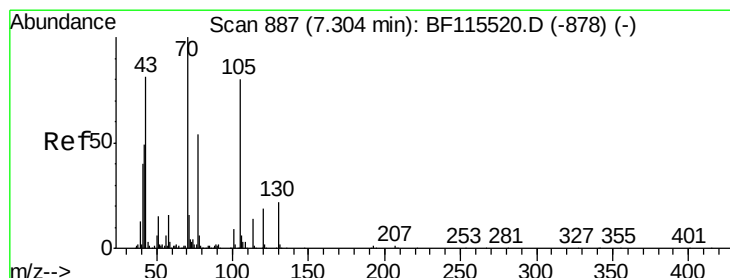
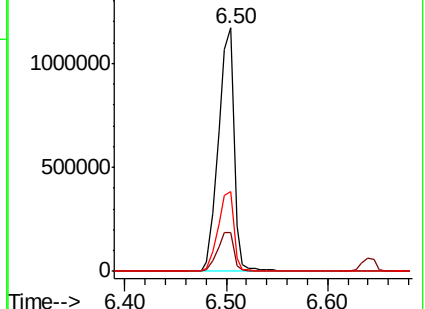
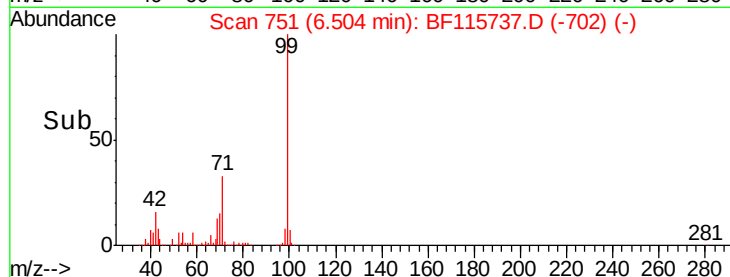
71 33.0 28.5 42.7



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: 12.042 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.12 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Tgt Ion: 70 Resp: 109436

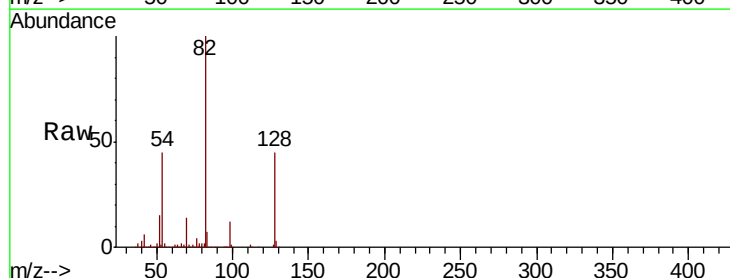
Ion Ratio Lower Upper

70 100

42 42.9 39.6 59.4

101 0.0 8.1 12.1#

130 2.5 18.2 27.2#

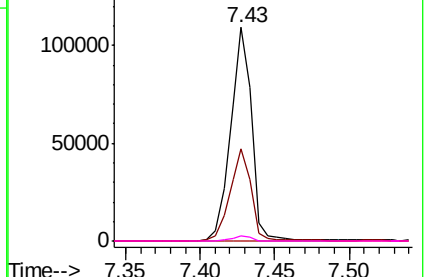
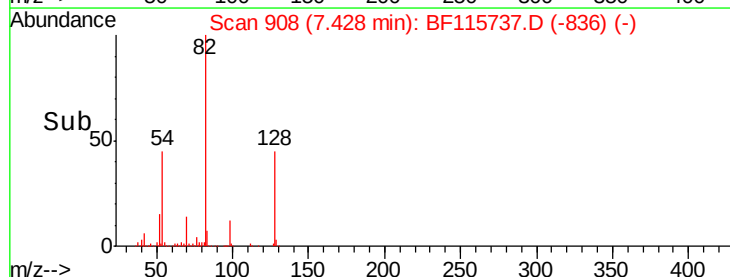


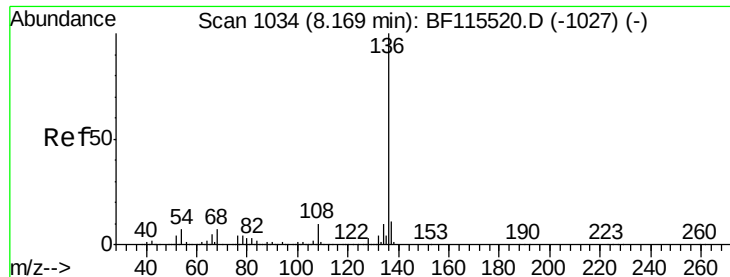
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

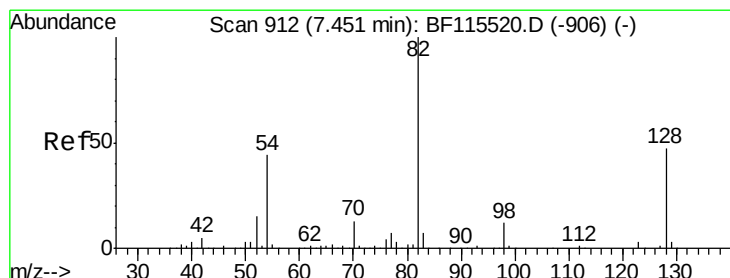
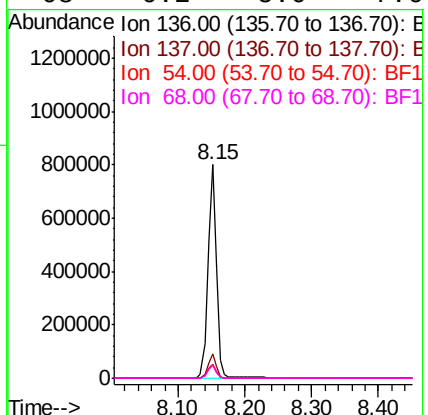
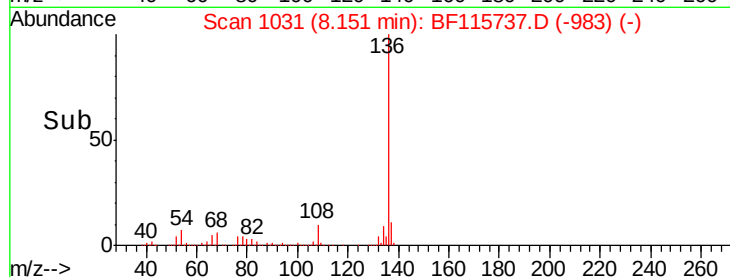
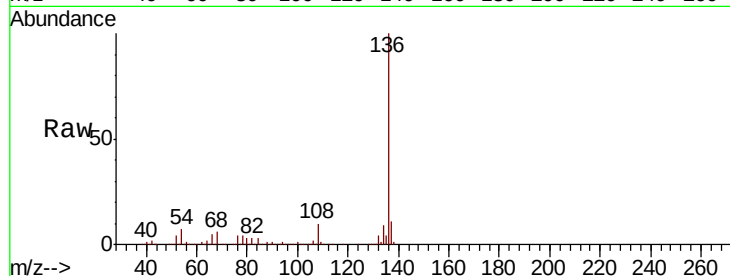




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

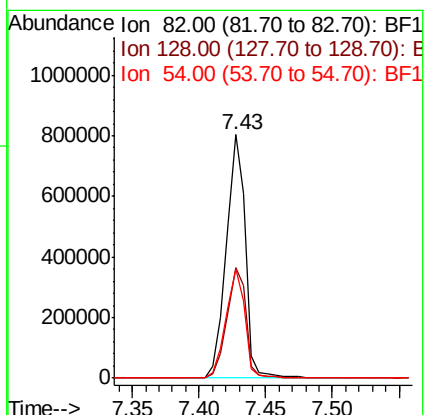
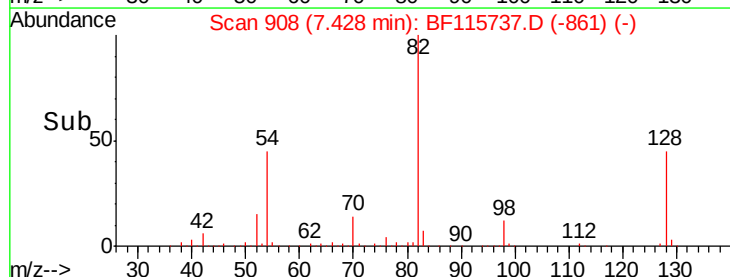
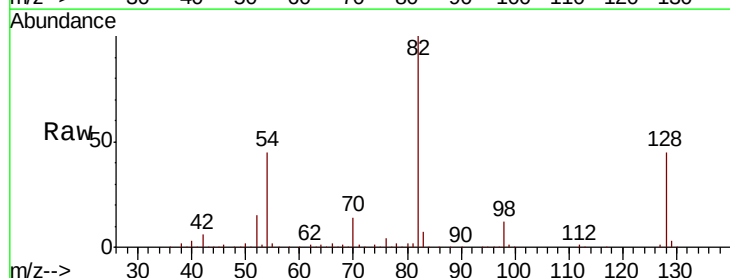
Instrument :
BNA_F
ClientSampleId :
HD-02-072219

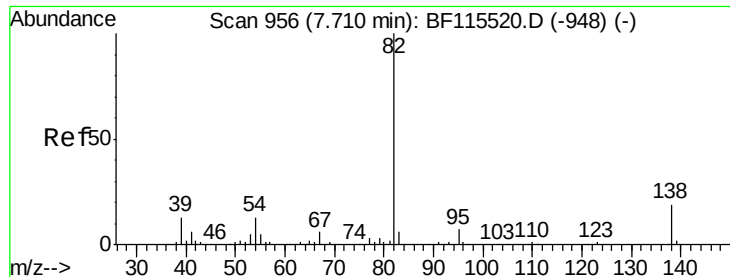
Tgt Ion:	136	Resp:	714429
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.9	5.6	8.4
68	6.2	5.0	7.6



#23
Nitrobenzene-d5
Concen: 66.217 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion:	82	Resp:	813584
Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.6	57.8
54	45.0	35.6	53.4





#25

Isophorone

Concen: 32.645 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.28 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

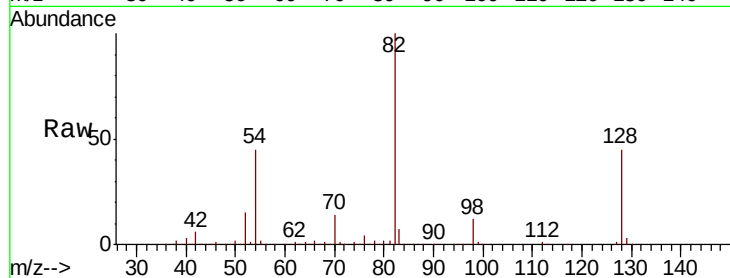
Tgt Ion: 82 Resp: 802610

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

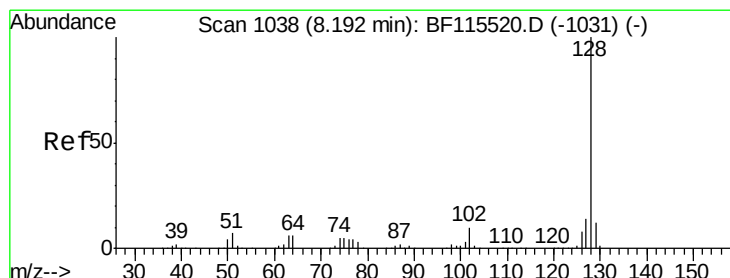
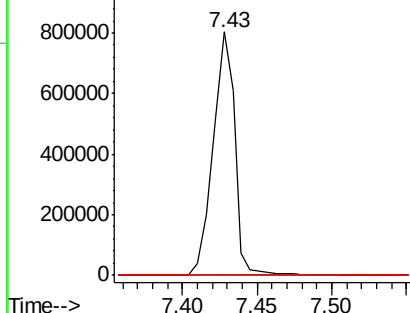
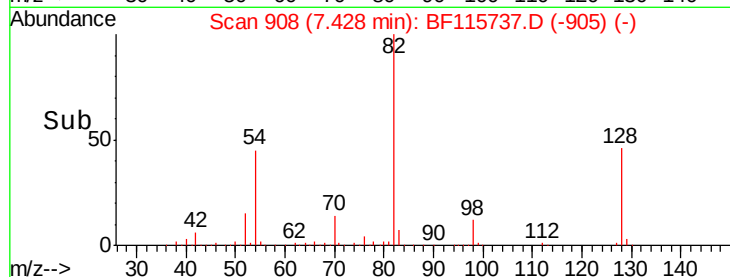
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 21.535 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

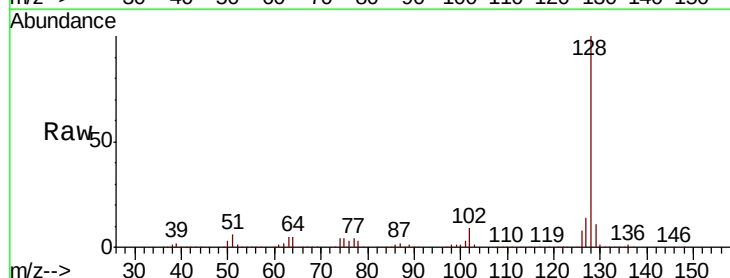
Tgt Ion: 128 Resp: 745099

Ion Ratio Lower Upper

128 100

129 11.1 9.9 14.9

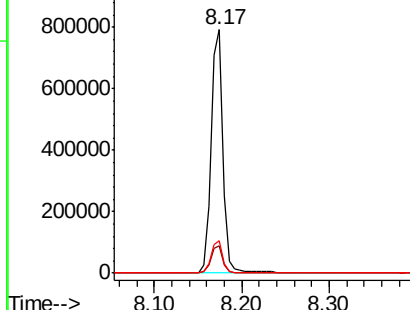
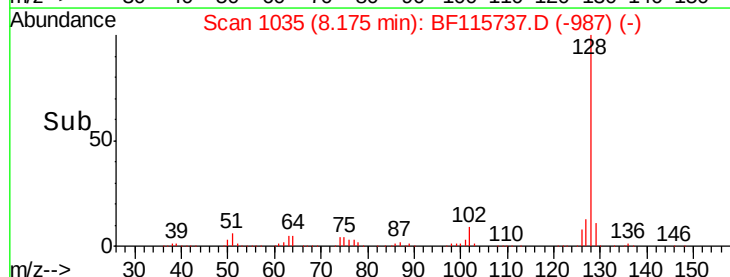
127 13.5 12.1 18.1

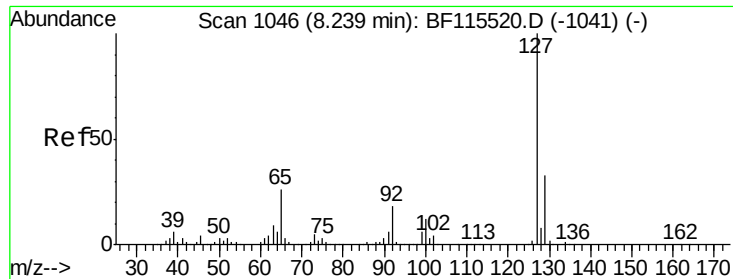


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

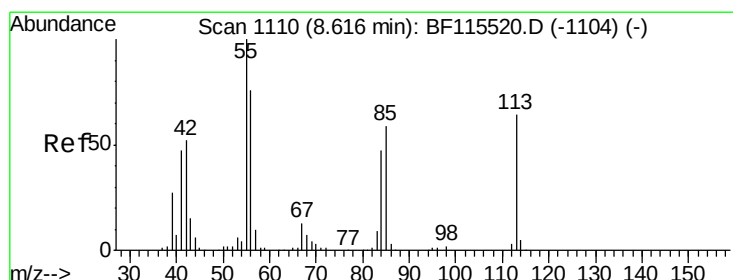
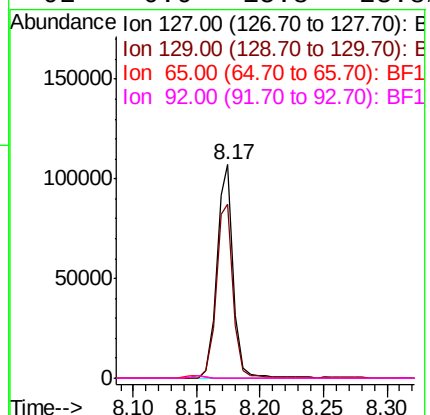
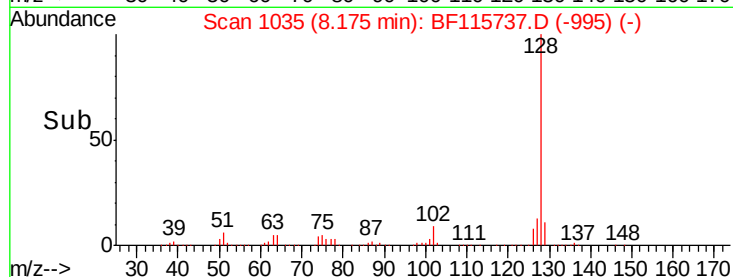
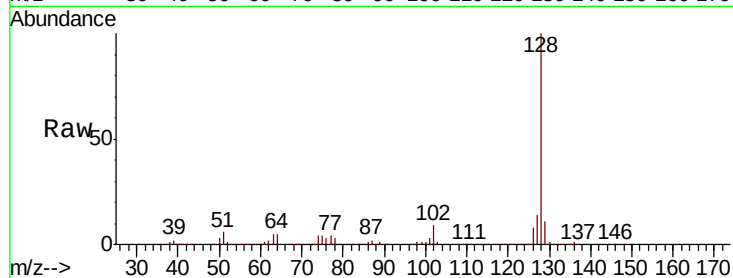




#33
4-Chloroaniline
Concen: 6.369 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

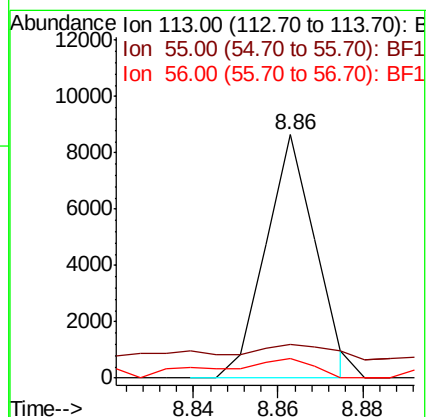
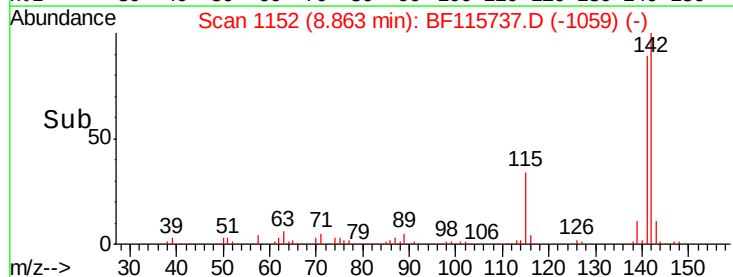
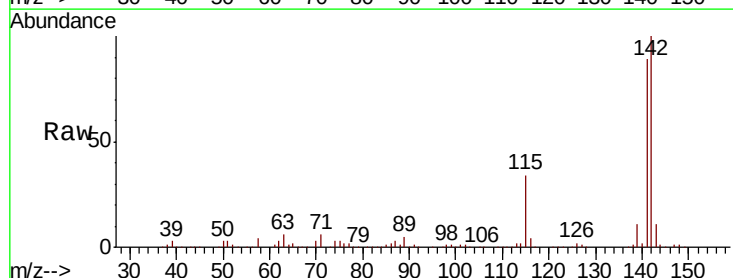
Instrument :
BNA_F
ClientSampleId :
HD-02-072219

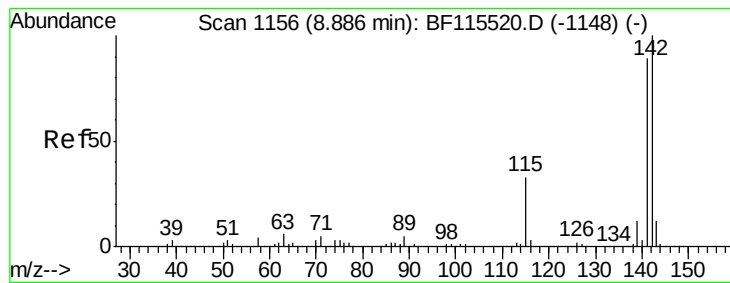
Tgt Ion:127 Resp: 97610
Ion Ratio Lower Upper
127 100
129 81.7 26.6 39.8#
65 0.0 23.7 35.5#
92 0.0 15.8 23.8#



#35
Caprolactam
Concen: 2.161 ng
RT: 8.86 min Scan# 1152
Delta R.T. 0.25 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion:113 Resp: 7089
Ion Ratio Lower Upper
113 100
55 13.8 126.9 166.9#
56 8.3 90.3 130.3#





#37

2-Methylnaphthalene

Concen: 13.727 ng

RT: 8.86 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

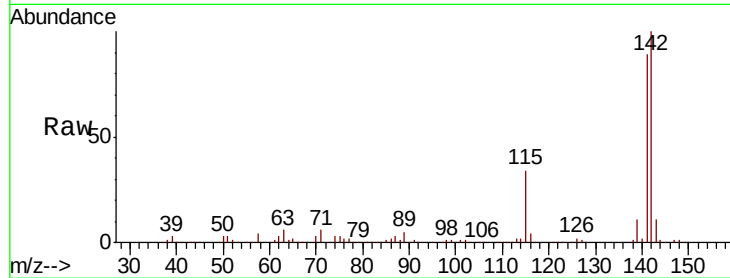
Tgt Ion:142 Resp: 314831

Ion Ratio Lower Upper

142 100

141 89.3 72.0 108.0

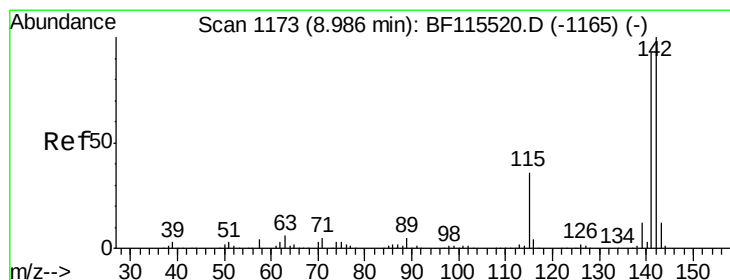
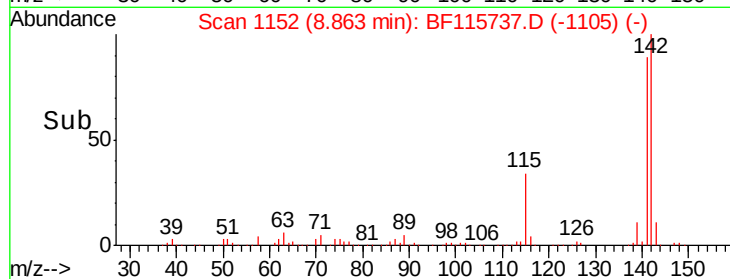
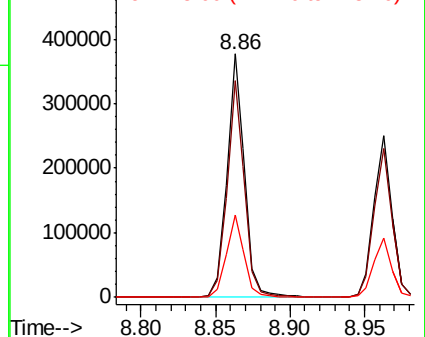
115 34.0 29.9 44.9



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 9.768 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

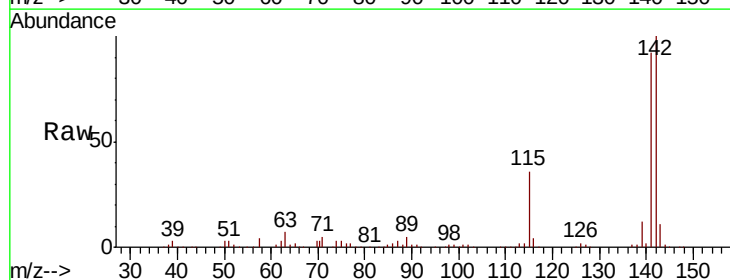
Tgt Ion:142 Resp: 212799

Ion Ratio Lower Upper

142 100

141 91.6 75.3 112.9

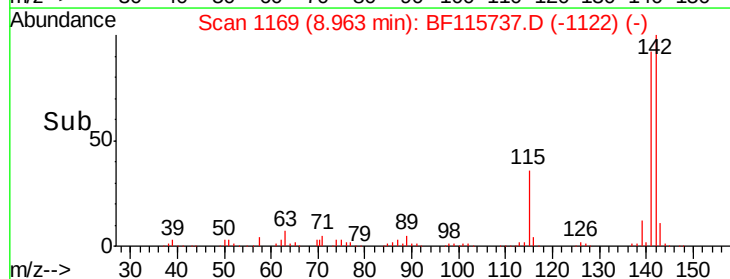
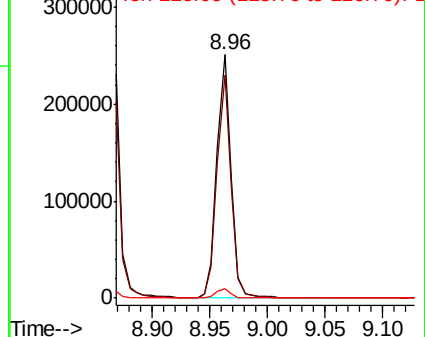
116 3.8 3.3 4.9

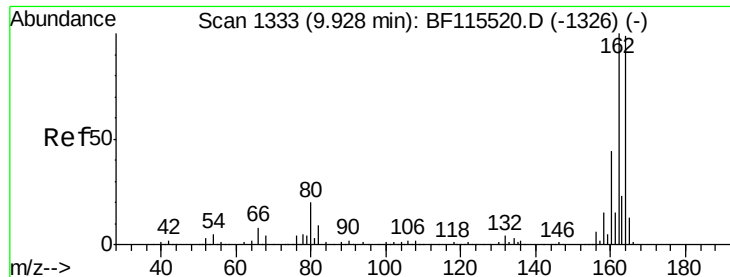


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

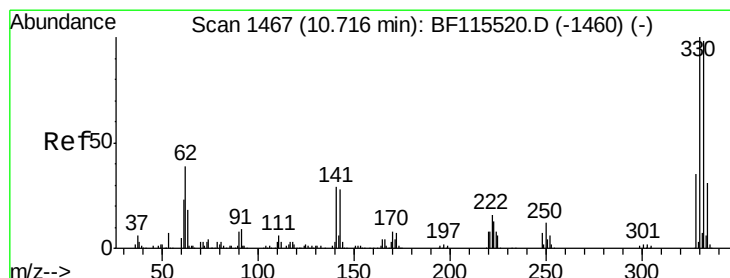
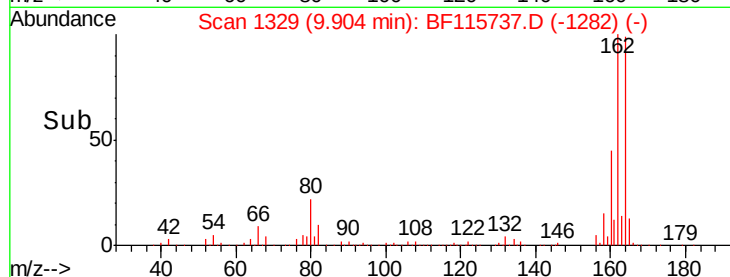
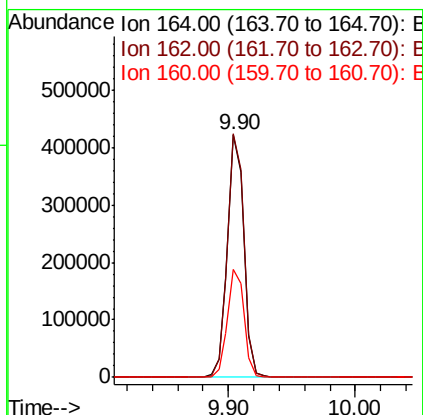
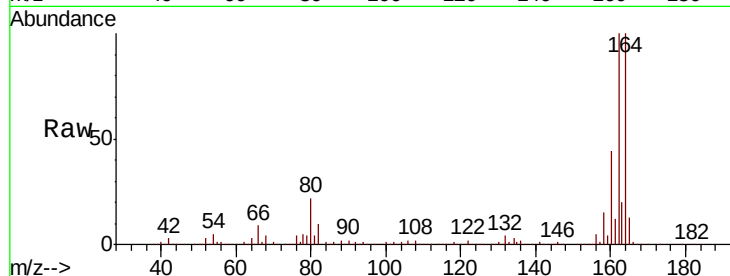




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

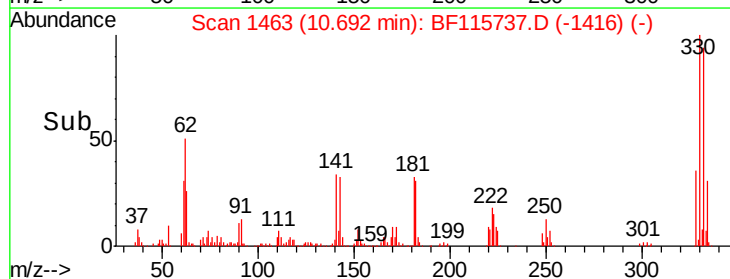
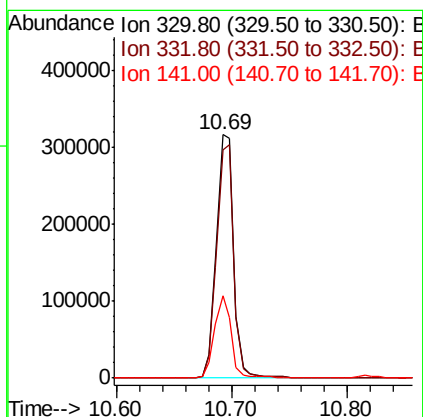
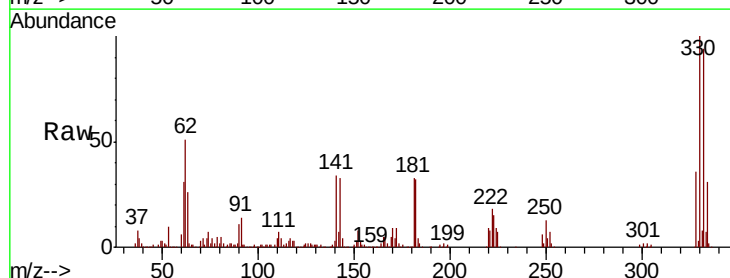
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

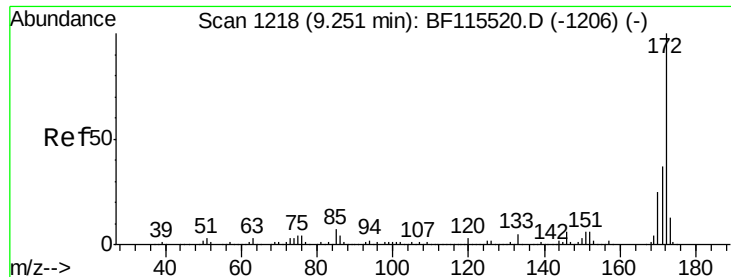
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.9	124.3
160	44.6	36.8	55.2



#42
 2,4,6-Tribromophenol
 Concen: 74.029 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.4	116.2
141	33.1	22.4	33.6

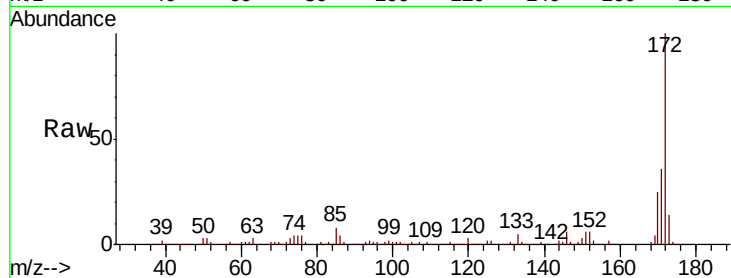




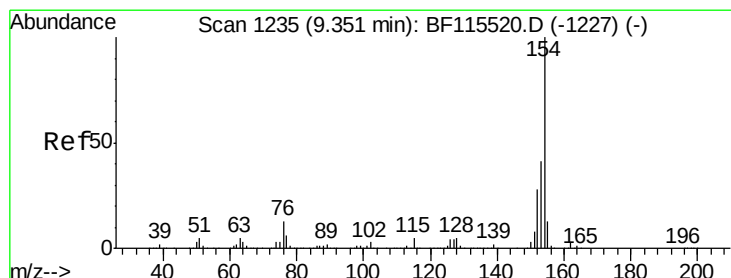
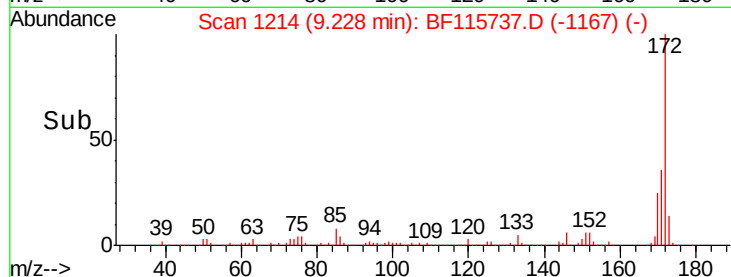
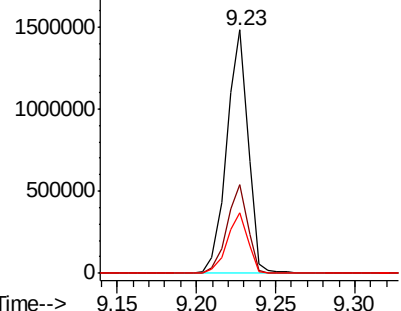
#45
2-Fluorobiphenyl
Concen: 63.232 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tgt Ion:172 Resp: 1375304
Ion Ratio Lower Upper
172 100
171 36.4 30.6 46.0
170 25.1 20.5 30.7

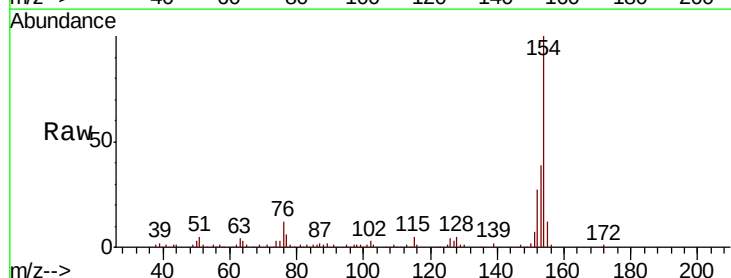


Abundance Ion 172.00 (171.70 to 172.70): E
2000000 Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

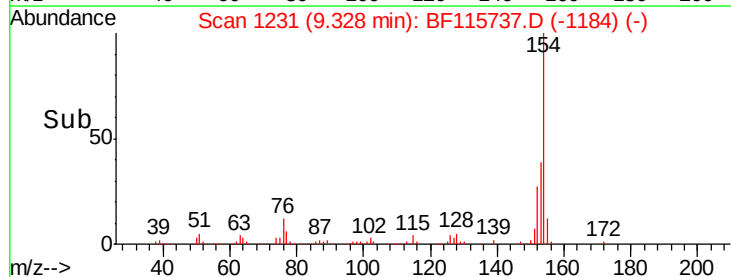
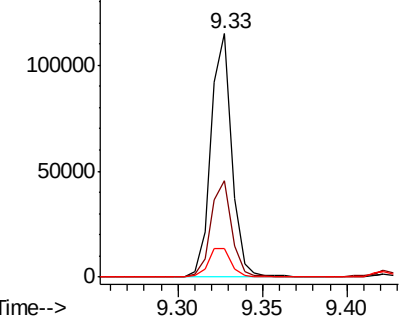


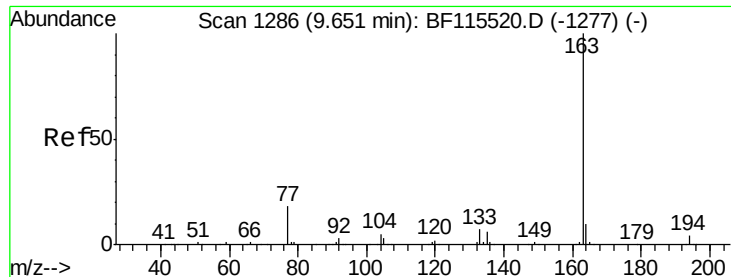
#46
1,1'-Biphenyl
Concen: 3.310 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion:154 Resp: 98510
Ion Ratio Lower Upper
154 100
153 39.5 22.6 62.6
76 11.9 0.0 33.4



Abundance Ion 154.00 (153.70 to 154.70): E
150000 Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#50

Dimethylphthalate

Concen: 7.930 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

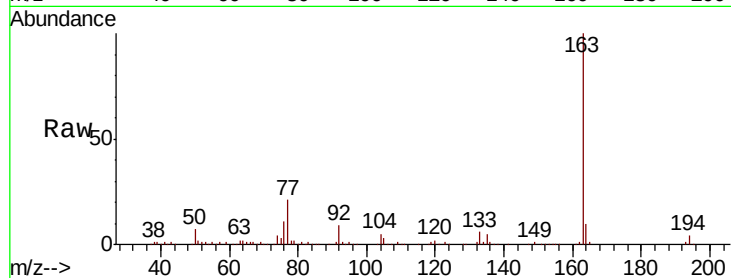
Tgt Ion:163 Resp: 227138

Ion Ratio Lower Upper

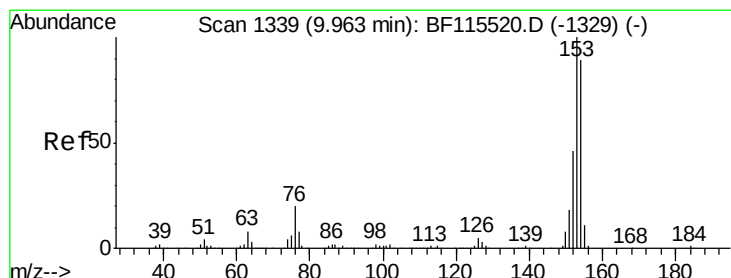
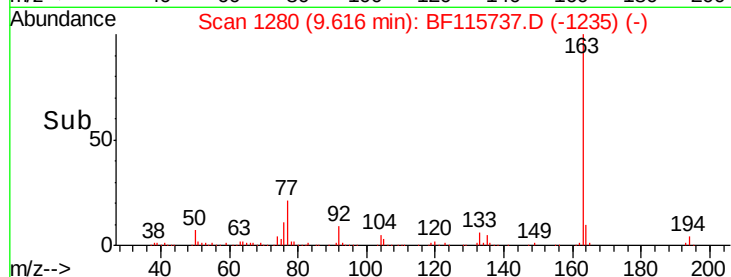
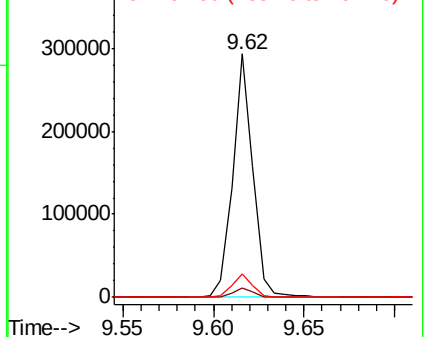
163 100

194 3.9 3.3 4.9

164 9.8 8.7 13.1



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



#52

Acenaphthene

Concen: 15.252 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

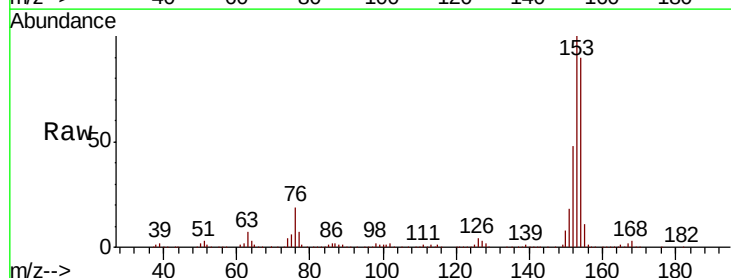
Tgt Ion:154 Resp: 361587

Ion Ratio Lower Upper

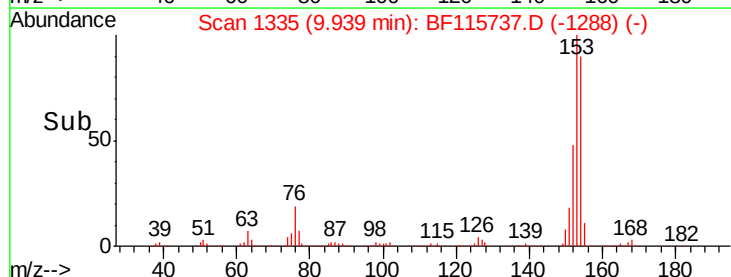
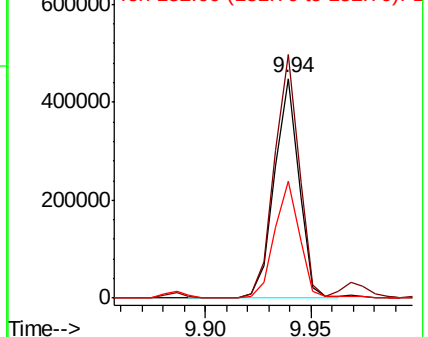
154 100

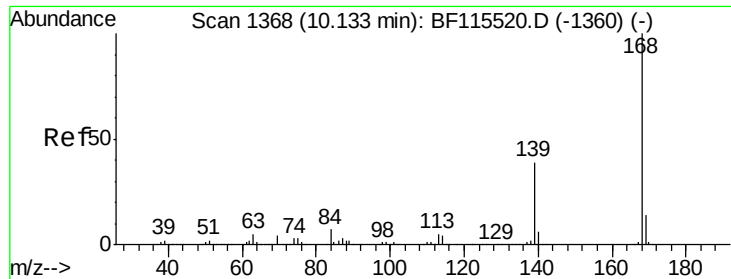
153 111.0 88.6 133.0

152 53.2 42.3 63.5



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

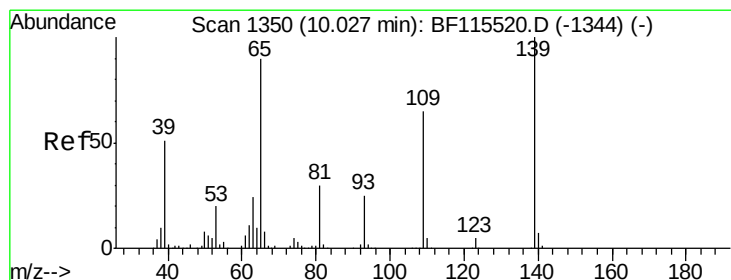
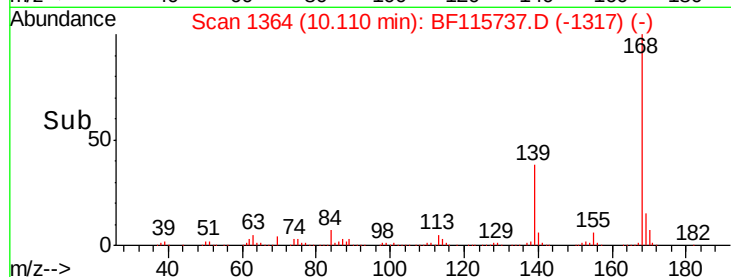
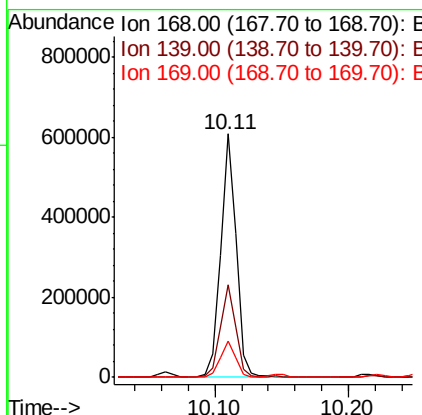
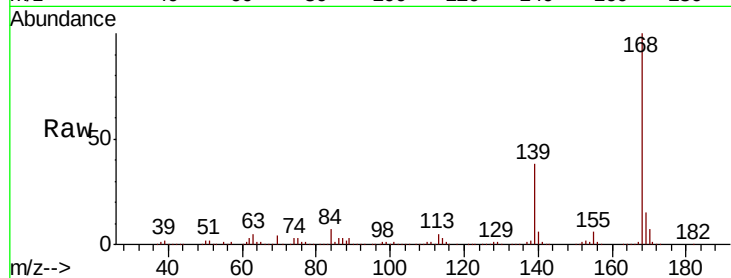




#55
Dibenzenofuran
Concen: 14.815 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

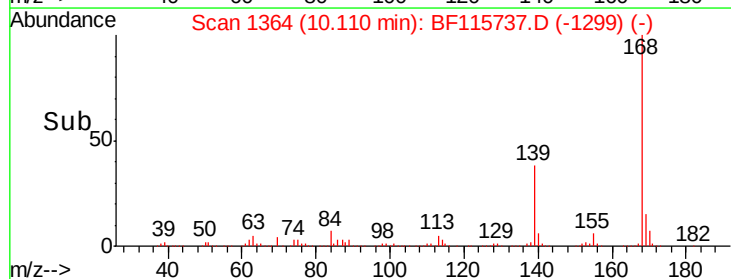
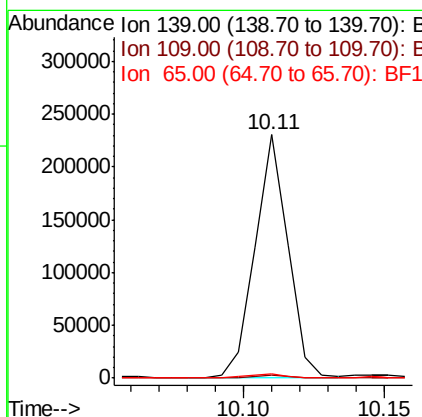
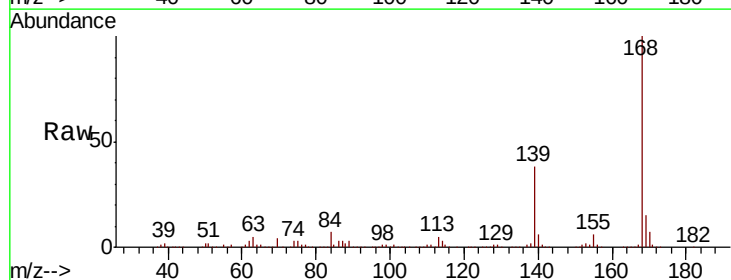
Instrument :
BNA_F
ClientSampleId :
HD-02-072219

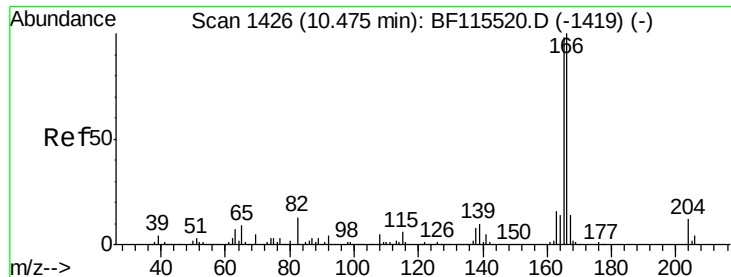
Tgt Ion:168 Resp: 498790
Ion Ratio Lower Upper
168 100
139 37.9 31.1 46.7
169 14.7 11.1 16.7



#56
4-Nitrophenol
Concen: 33.125 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.08 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion:139 Resp: 187890
Ion Ratio Lower Upper
139 100
109 1.1 46.4 86.4#
65 1.6 68.9 108.9#





#58

Fluorene

Concen: 27.629 ng

RT: 10.46 min Scan# 1423

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

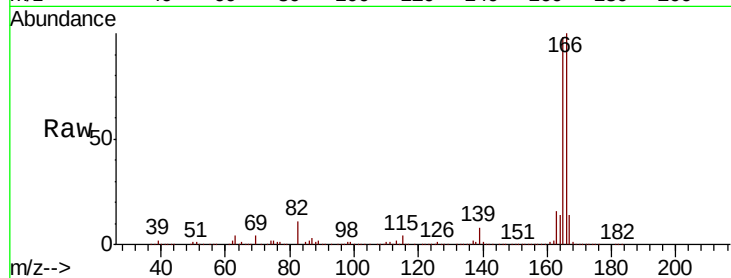
Tgt Ion:166 Resp: 664979

Ion Ratio Lower Upper

166 100

165 97.7 79.8 119.6

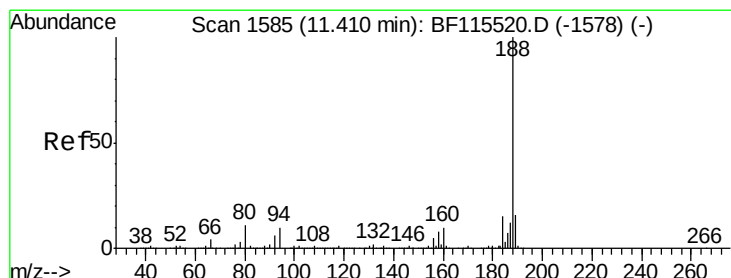
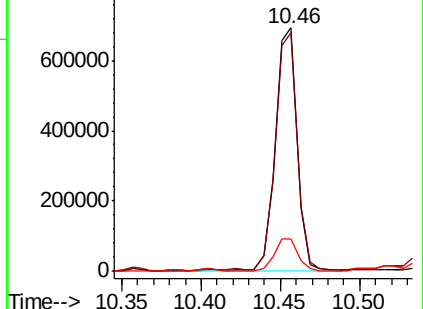
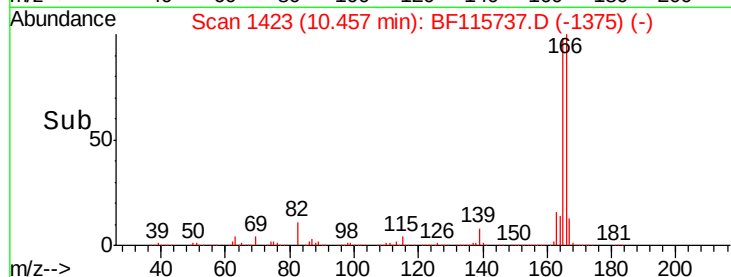
167 13.6 11.2 16.8



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: 11.39 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

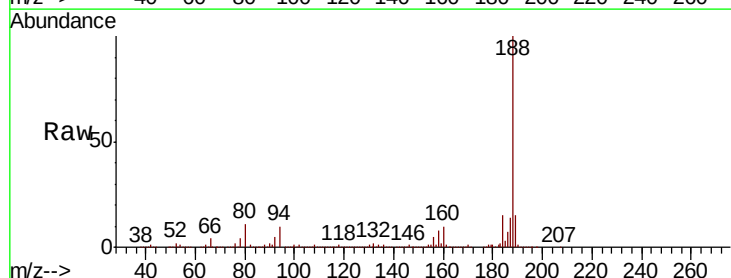
Tgt Ion:188 Resp: 612109

Ion Ratio Lower Upper

188 100

94 9.8 7.8 11.6

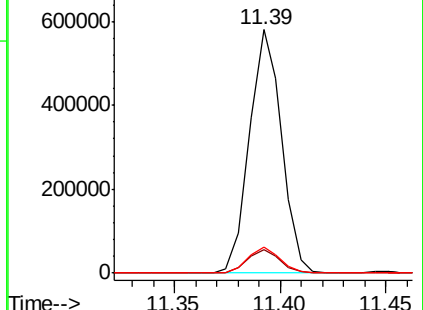
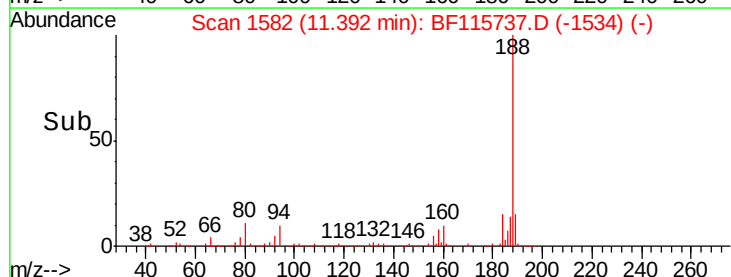
80 10.9 8.6 13.0

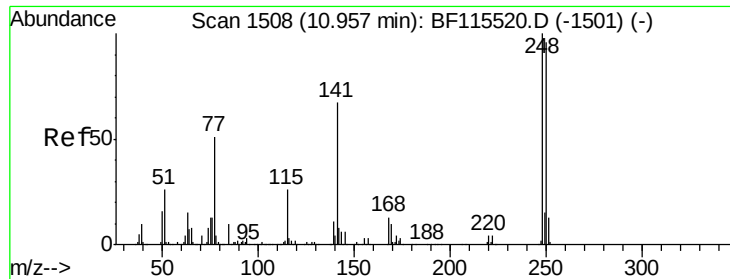


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

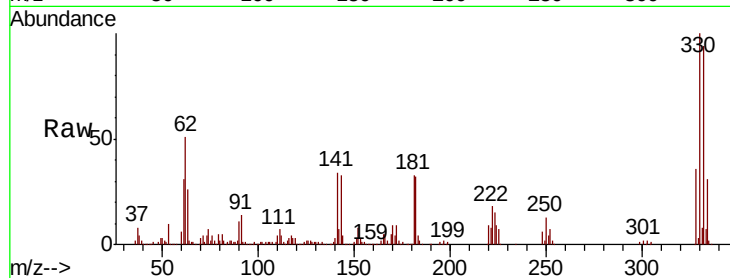




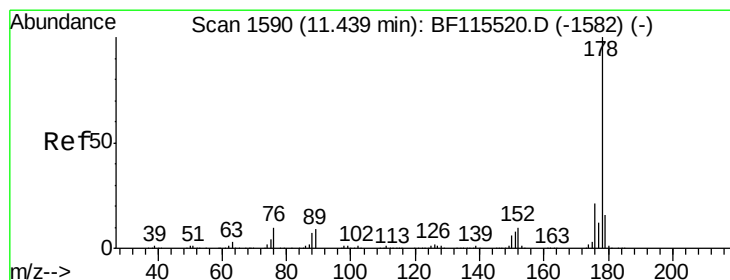
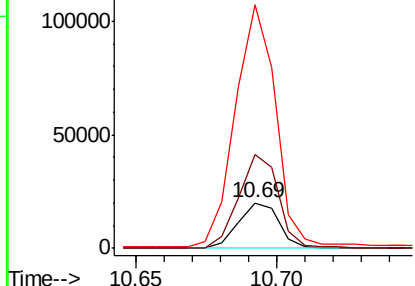
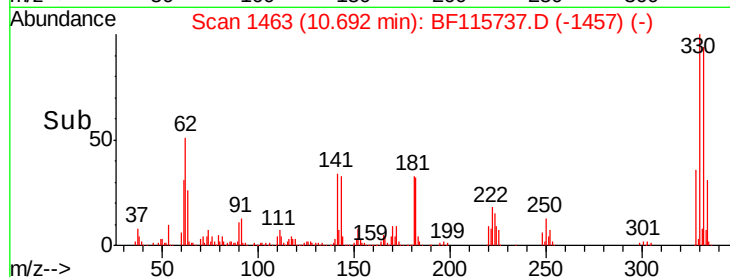
#67
 4-Bromophenyl-phenylether
 Concen: 2.840 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.26 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

Tgt Ion:248 Resp: 19864
 Ion Ratio Lower Upper
 248 100
 250 204.6 78.0 117.0#
 141 532.0 57.7 86.5#

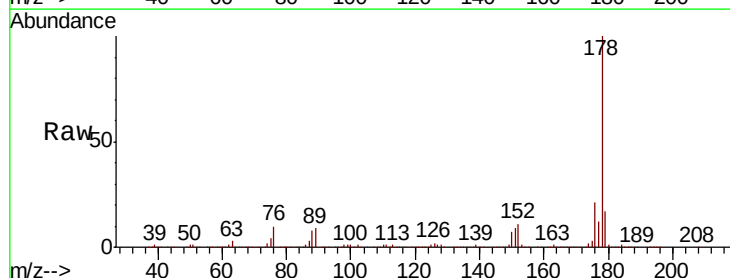


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

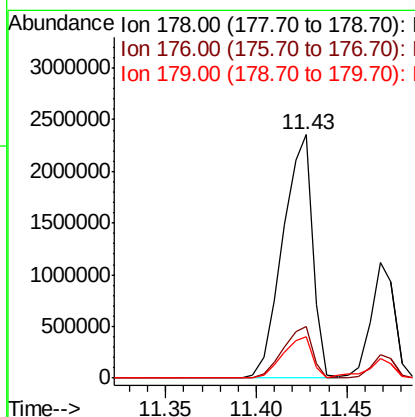
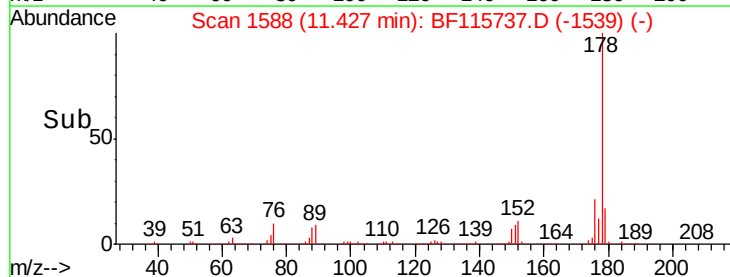


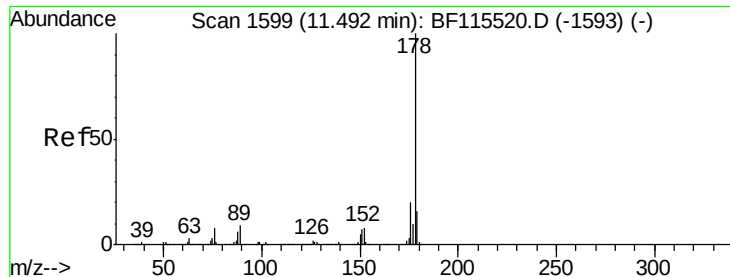
#71
 Phenanthrene
 Concen: 86.562 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Tgt Ion:178 Resp: 2715970
 Ion Ratio Lower Upper
 178 100
 176 21.4 17.2 25.8
 179 16.7 13.5 20.3



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

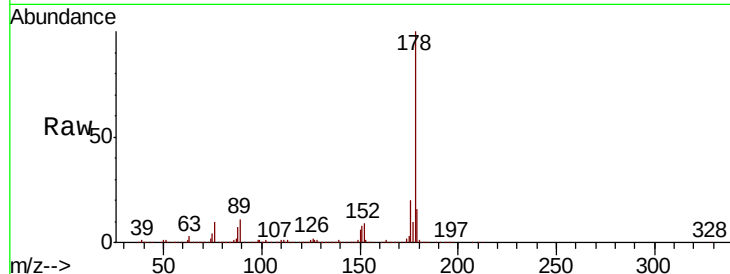




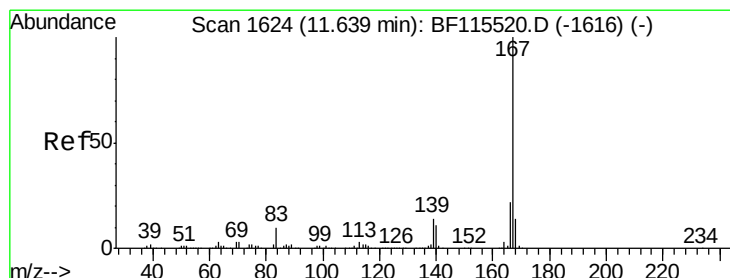
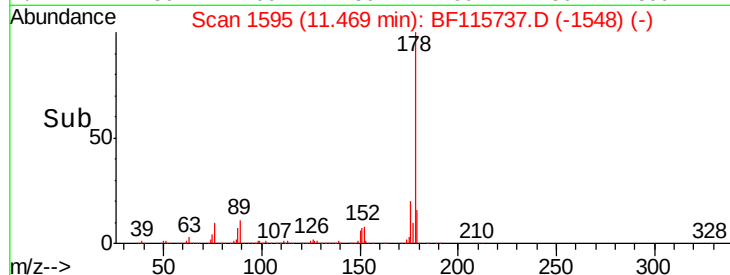
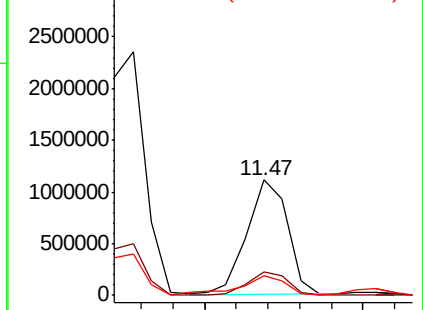
#72
 Anthracene
 Concen: 30.351 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

Tgt Ion:178 Resp: 984173
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.9 23.9
 179 16.5 12.7 19.1

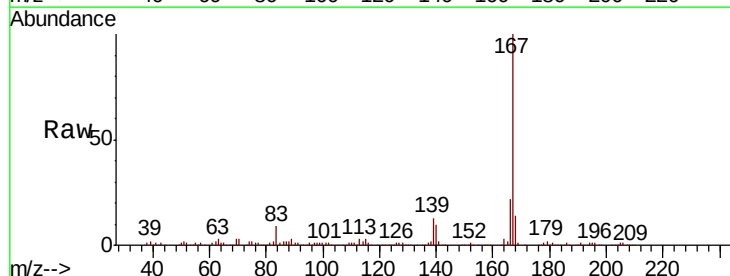


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

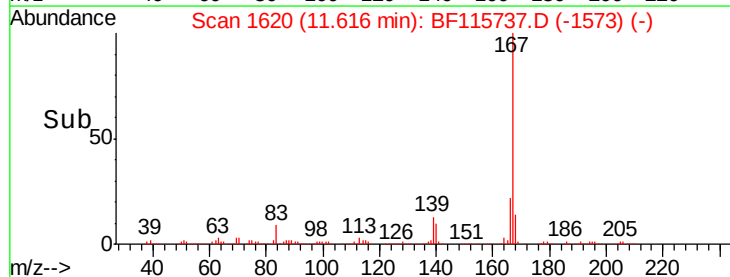
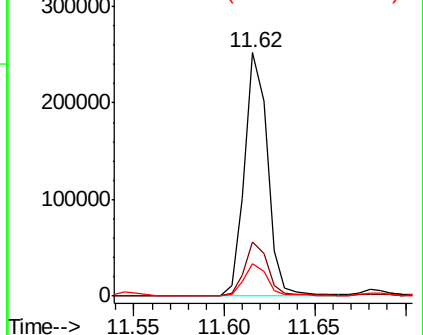


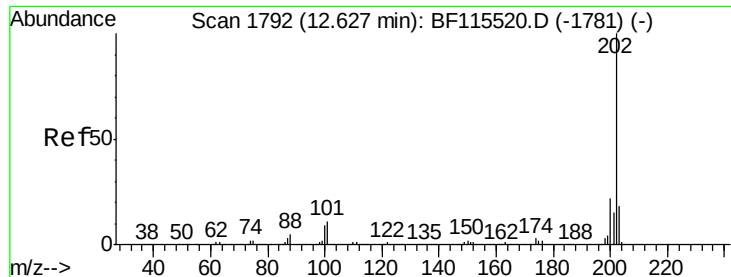
#73
 Carbazole
 Concen: 7.813 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Tgt Ion:167 Resp: 222168
 Ion Ratio Lower Upper
 167 100
 166 22.1 18.1 27.1
 139 13.2 11.3 16.9



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 71.204 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

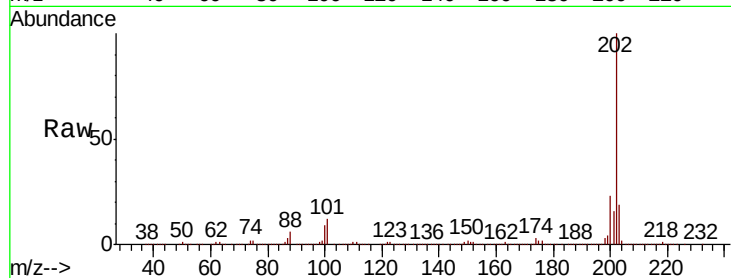
Tgt Ion:202 Resp: 2360862

Ion Ratio Lower Upper

202 100

101 12.3 0.0 31.4

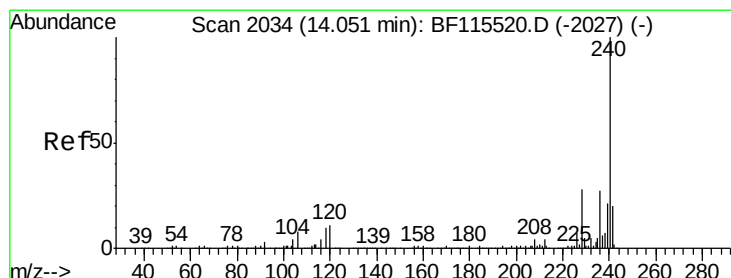
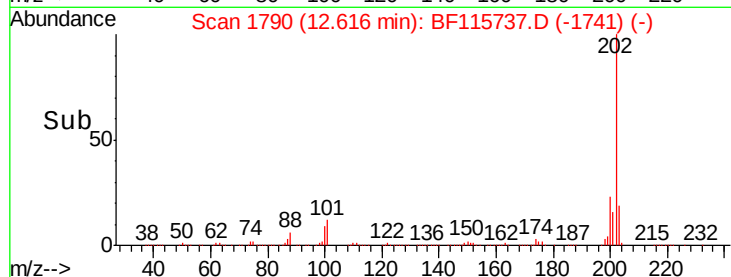
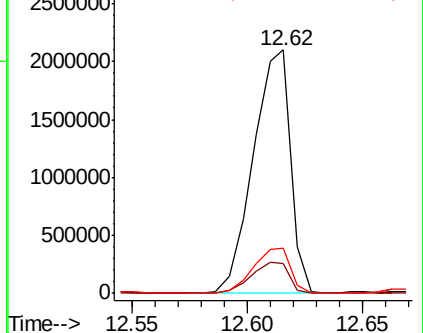
203 18.8 0.0 38.1



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: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

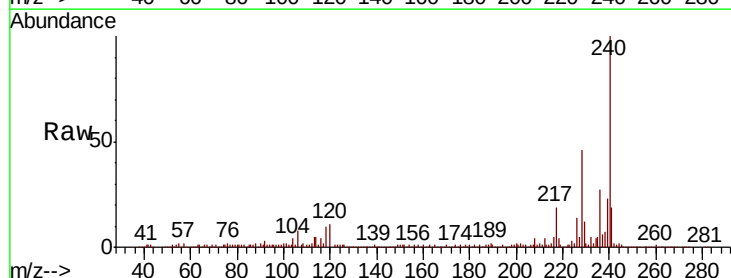
Tgt Ion:240 Resp: 342463

Ion Ratio Lower Upper

240 100

120 11.3 8.6 13.0

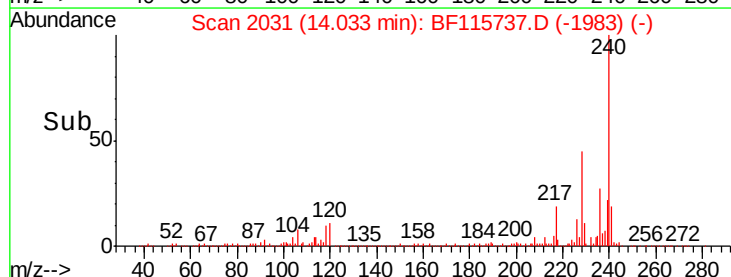
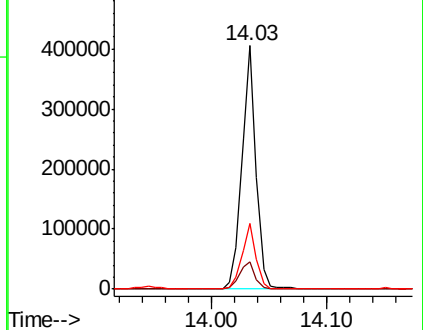
236 27.0 21.3 31.9

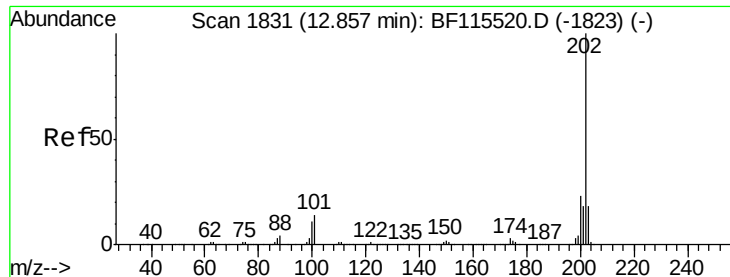


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 71.632 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

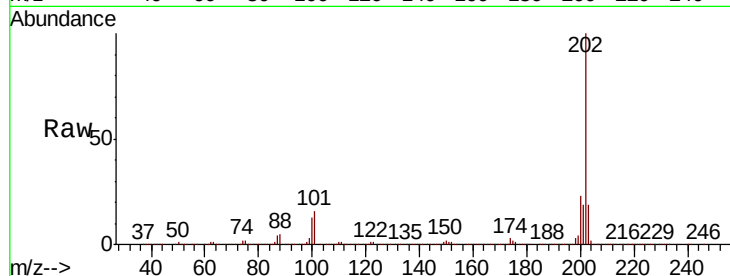
Tgt Ion:202 Resp: 2078380

Ion Ratio Lower Upper

202 100

200 22.9 18.7 28.1

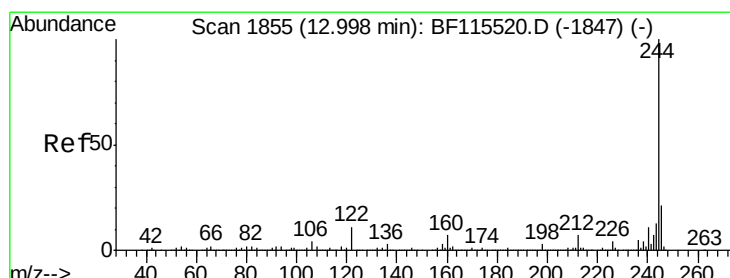
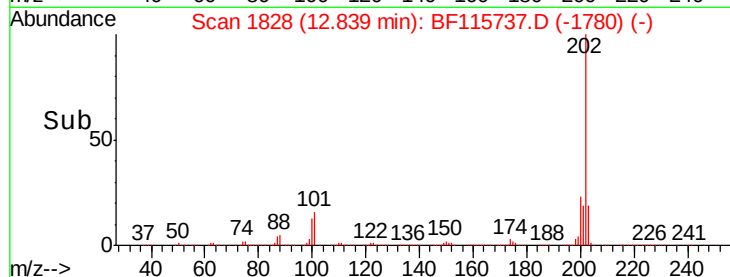
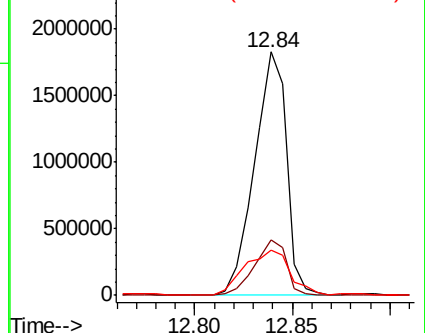
203 18.8 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 64.973 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

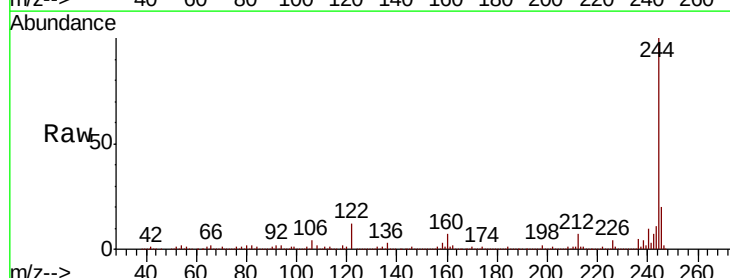
Tgt Ion:244 Resp: 1205890

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

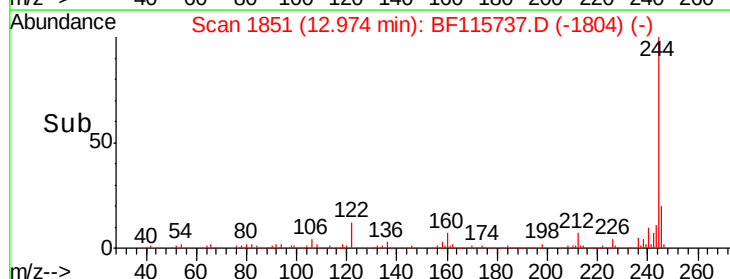
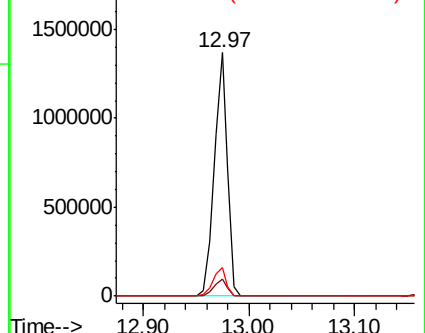
122 11.6 8.6 12.8

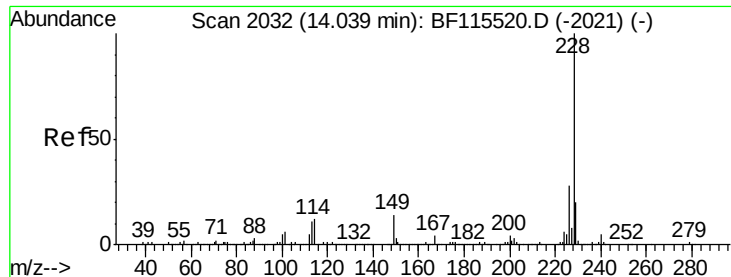


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

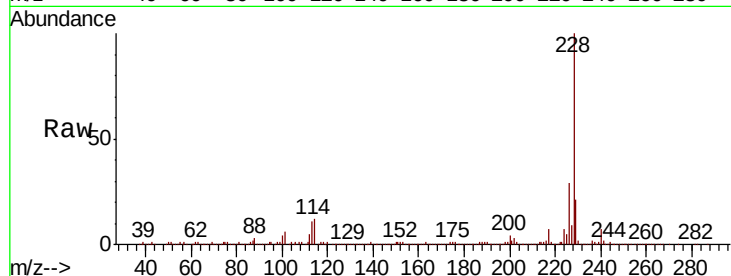




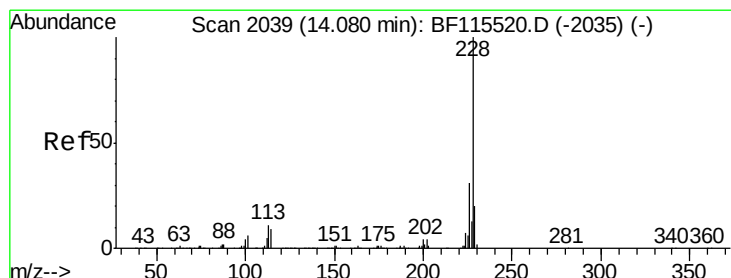
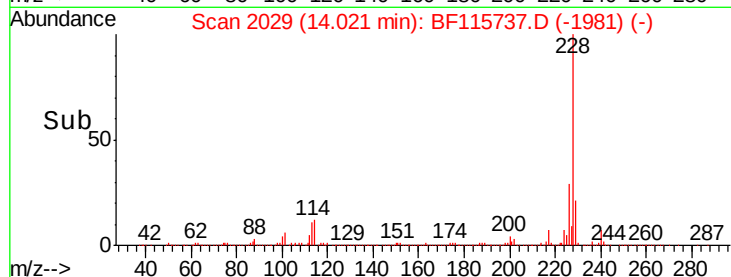
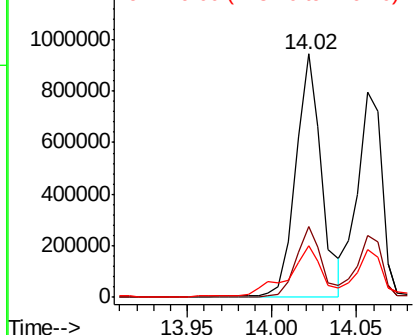
#81
Benzo(a)anthracene
Concen: 44.442 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tgt Ion:228 Resp: 1002674
Ion Ratio Lower Upper
228 100
226 28.9 23.4 35.0
229 21.1 17.2 25.8

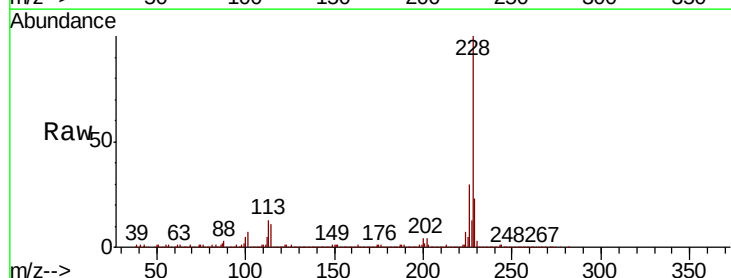


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

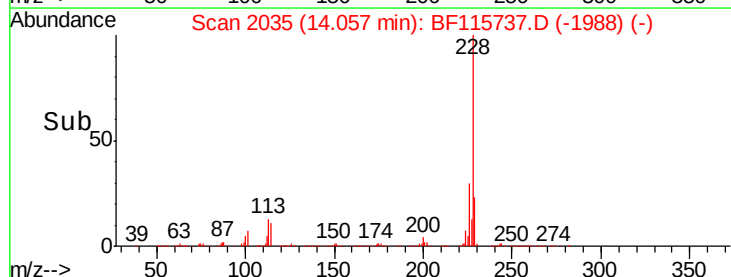
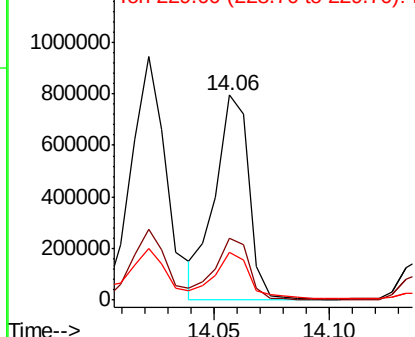


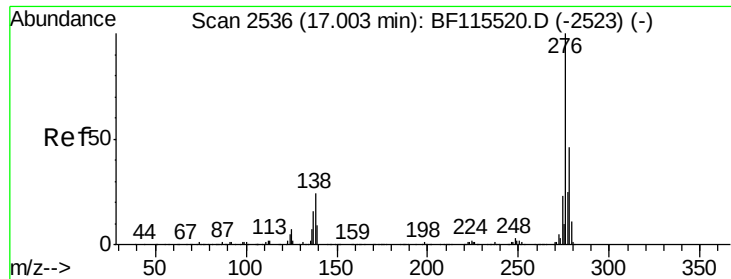
#83
Chrysene
Concen: 35.659 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion:228 Resp: 807621
Ion Ratio Lower Upper
228 100
226 30.2 25.7 38.5
229 23.2 16.6 25.0



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

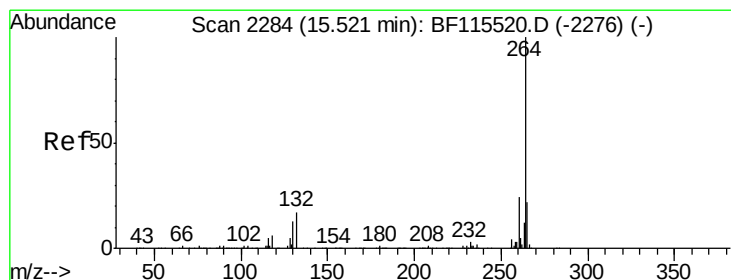
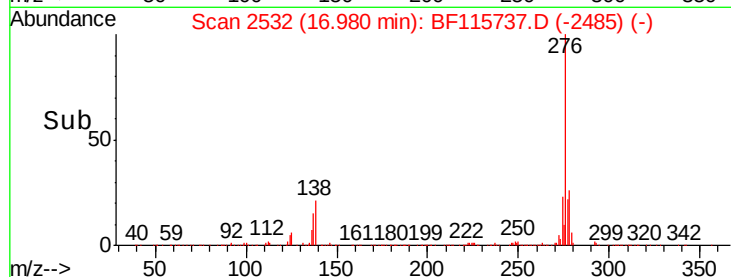
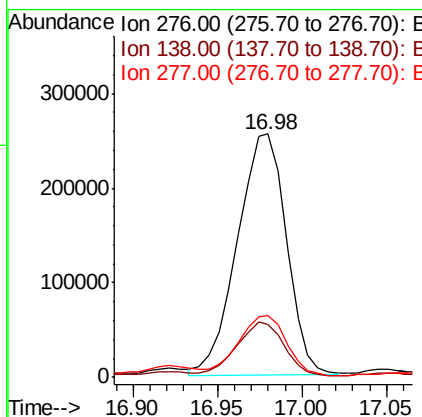
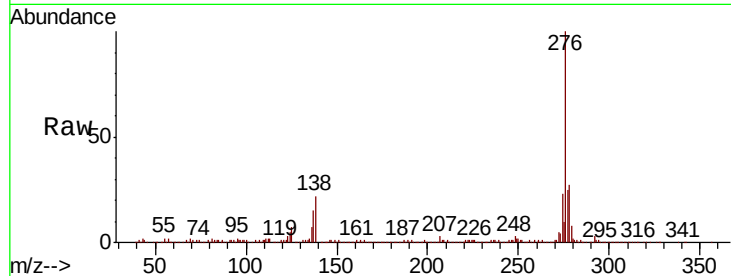




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 26.822 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

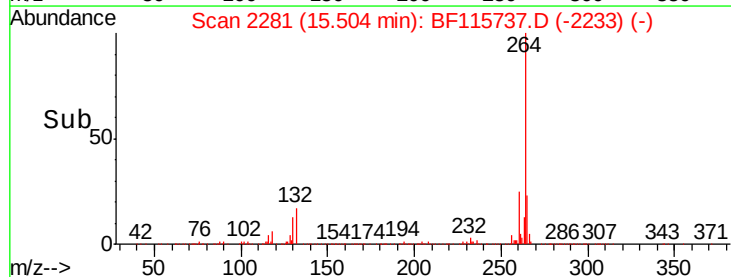
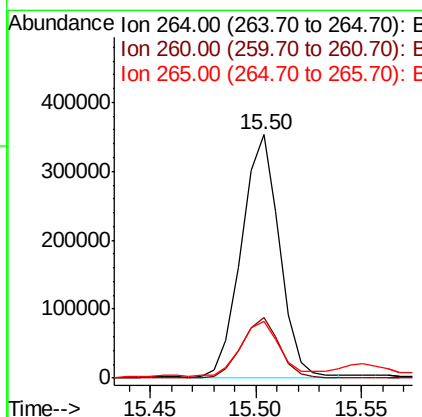
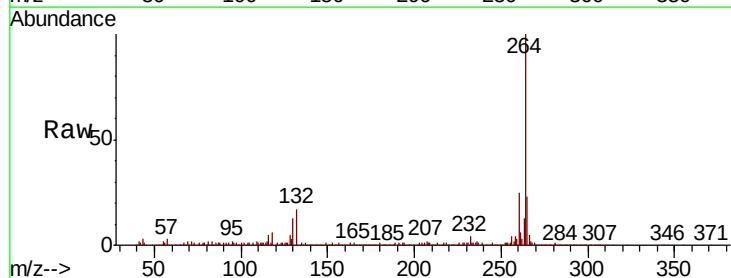
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

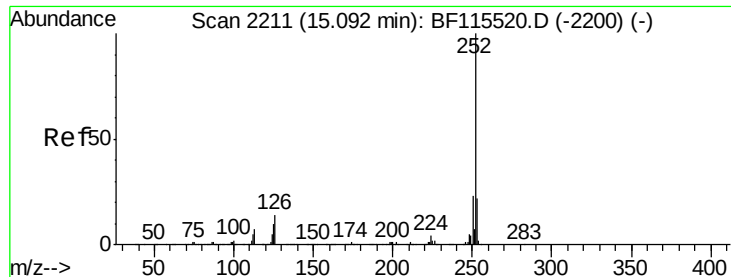
Tgt Ion:	276	Resp:	516099
Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.2	30.2
277	23.9	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Tgt Ion:	264	Resp:	437423
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	23.4	17.7	26.5

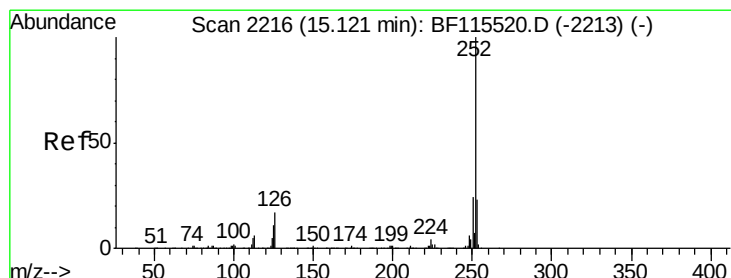
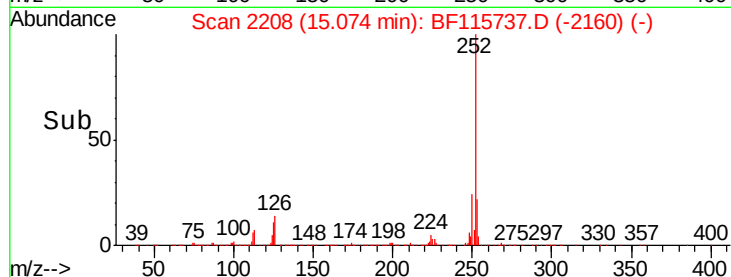
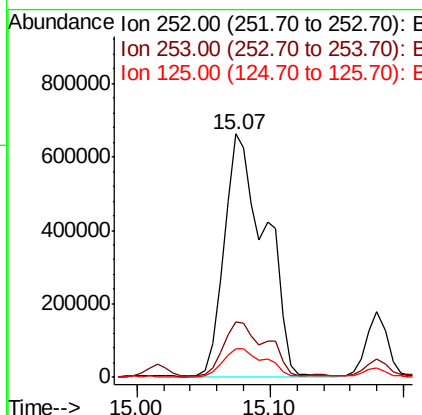
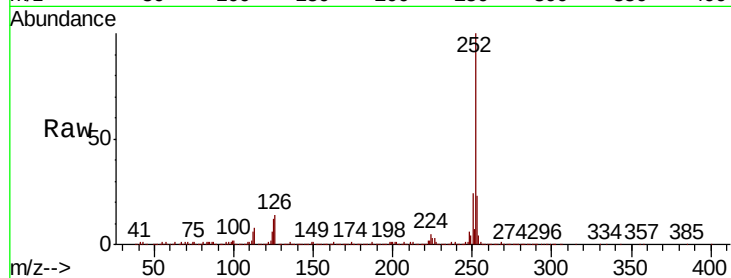




#88
 Benzo(b)fluoranthene
 Concen: 50.310 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

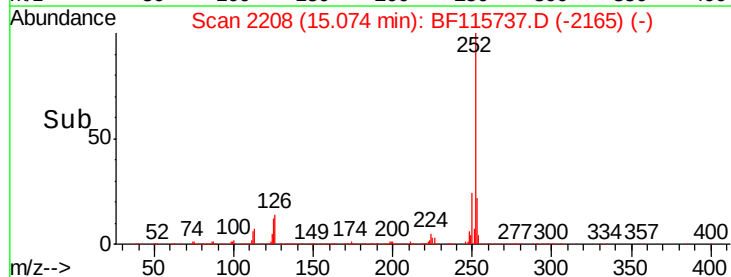
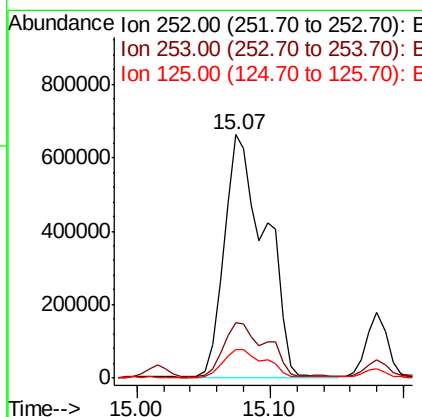
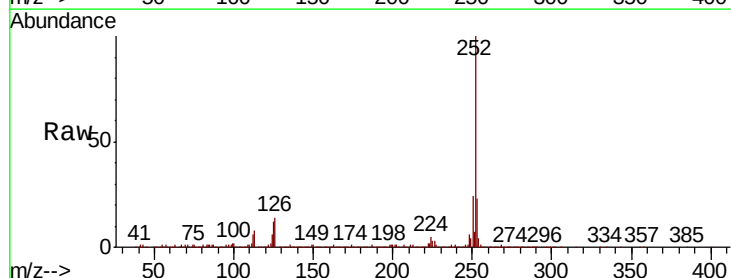
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

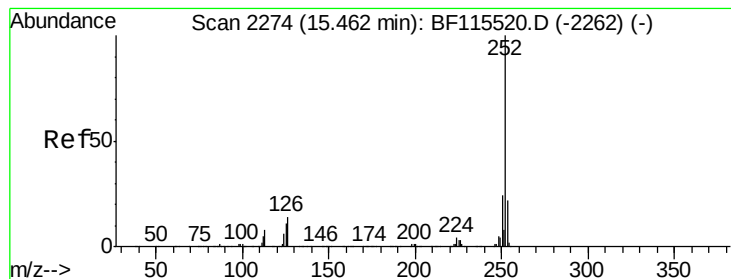
Tgt Ion:252 Resp: 1417054
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.1 27.1
 125 11.9 9.0 13.4



#89
 Benzo(k)fluoranthene
 Concen: 56.429 ng
 RT: 15.07 min Scan# 2208
 Delta R.T. -0.05 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Tgt Ion:252 Resp: 1417054
 Ion Ratio Lower Upper
 252 100
 253 22.7 18.6 28.0
 125 11.9 9.0 13.6





#90

Benzo(a)pyrene

Concen: 34.820 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

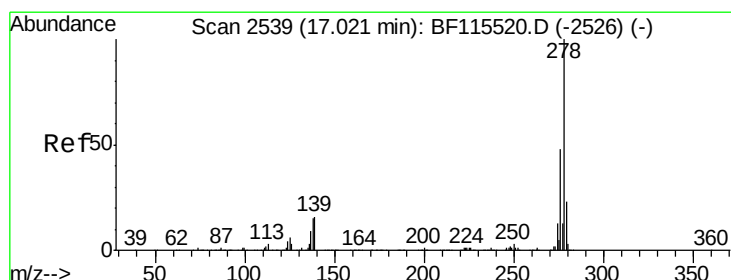
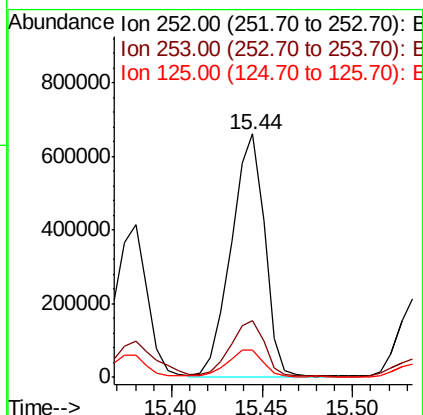
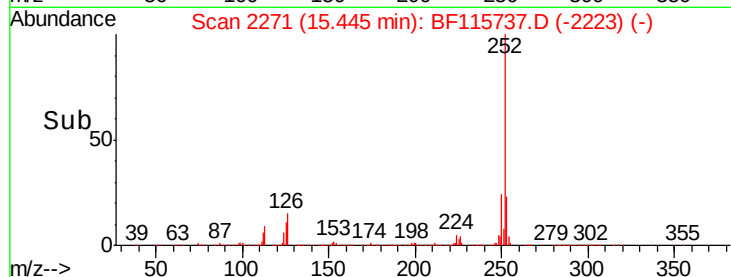
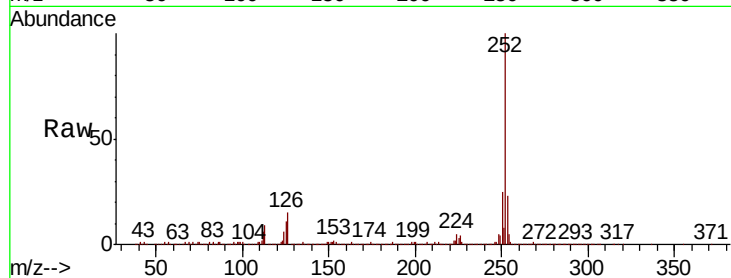
Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tgt Ion: 252 Resp: 842961

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.1	9.1	13.7



#91

Dibenzo(a,h)anthracene

Concen: 6.321 ng

RT: 16.99 min Scan# 2533

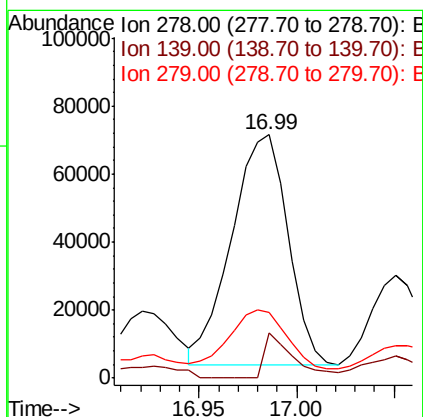
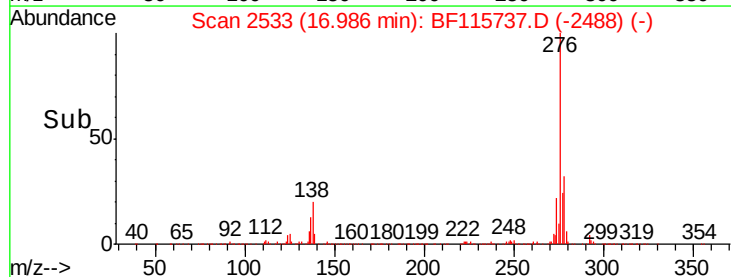
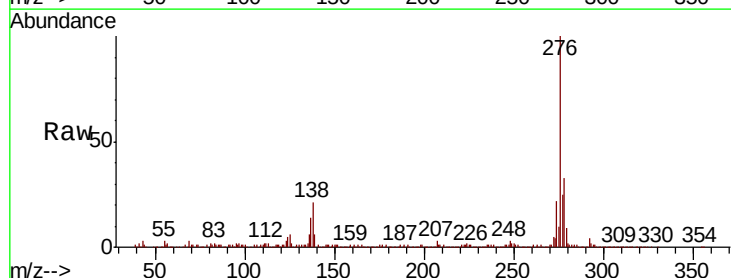
Delta R.T. -0.04 min

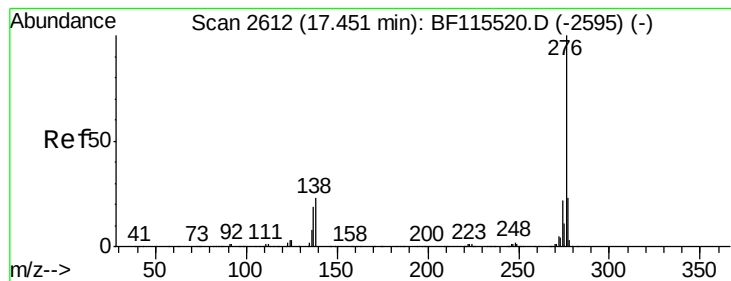
Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Tgt Ion: 278 Resp: 134350

Ion	Ratio	Lower	Upper
278	100		
139	18.5	13.1	19.7
279	27.1	19.6	29.4





#92

Benzo(g,h,i)perylene

Concen: 22.490 ng

RT: 17.43 min Scan# 2608

Delta R.T. -0.02 min

Lab File: BF115737.D

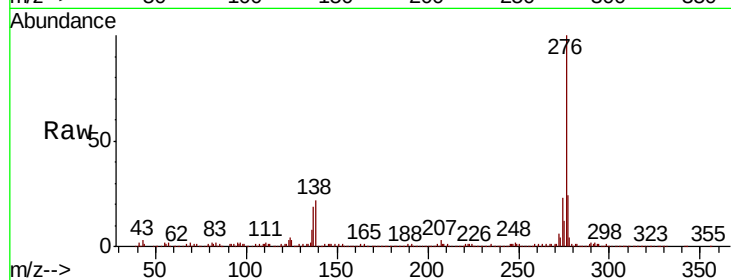
Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219



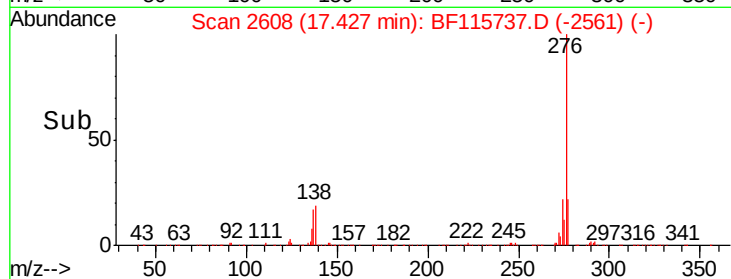
Tgt Ion: 276 Resp: 476692

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.4

138 21.9 17.2 25.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

