

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117748.D
 Acq On : 8 Nov 2019 22:58
 Operator : JU
 Sample : K2722-05DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 5-ADL

Quant Time: Nov 09 01:27:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	357371	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1527883	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	764489	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1298758	20.00	ng	0.00
76) Chrysene-d12	14.12	240	740746	20.00	ng	-0.01
87) Perylene-d12	15.62	264	841534	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	386254	19.56	ng	-0.01
7) Phenol-d6	6.53	99	596720	24.51	ng	-0.02
23) Nitrobenzene-d5	7.48	82	340035	13.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	95483	12.77	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	701160	18.10	ng	-0.01
79) Terphenyl-d14	13.06	244	630645	17.53	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.48	70	45312	2.831	ng	Qvalue # 78
37) 2-Methylnaphthalene	8.93	142	129178	2.717	ng	99
38) 1-Methylnaphthalene	9.03	142	100109	2.217	ng	99
51) 2,6-Dinitrotoluene	9.97	165	107013	9.247	ng	# 24
58) Fluorene	10.53	166	414530	9.627	ng	99
66) n-Nitrosodiphenylamine	10.58	169	216293	5.639	ng	90
71) Phenanthrene	11.50	178	2618802	42.068	ng	99
72) Anthracene	11.55	178	212148	3.425	ng	97
75) Fluoranthene	12.69	202	439264	6.911	ng	96
78) Pyrene	12.92	202	594509	10.994	ng	95

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

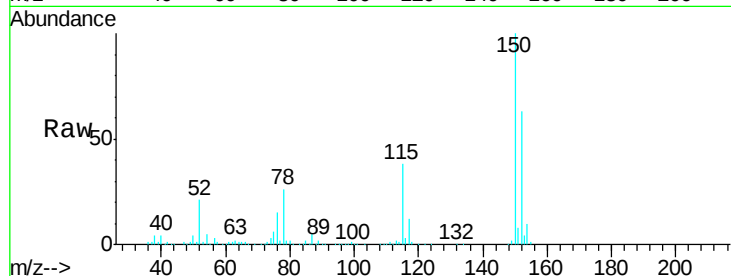


#1

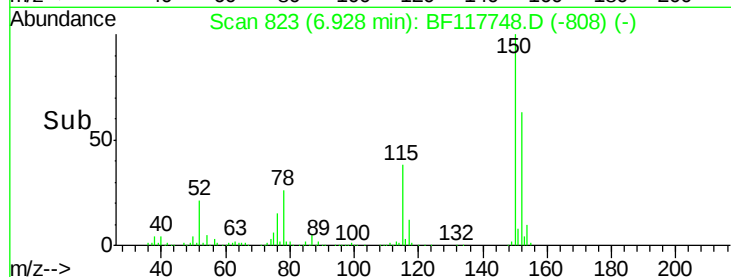
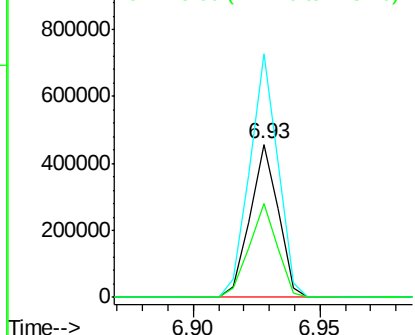
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Instrument :
BNA_F
ClientSampled :
5-ADL

Tgt Ion:152 Resp: 357371
Ion Ratio Lower Upper
152 100
150 159.0 121.4 182.2
115 61.1 46.7 70.1



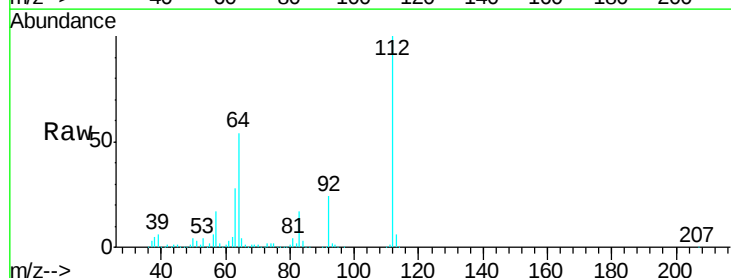
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



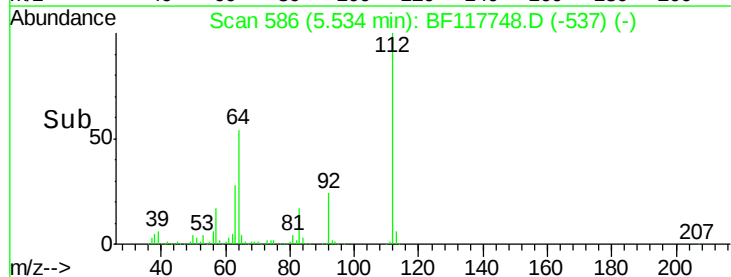
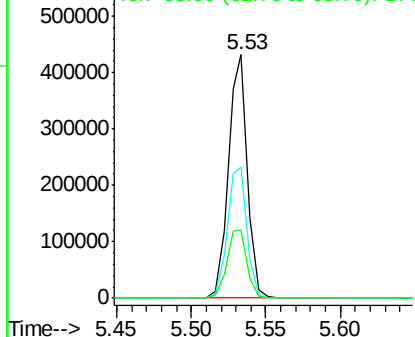
#5

2-Fluorophenol
Concen: 19.565 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Tgt Ion:112 Resp: 386254
Ion Ratio Lower Upper
112 100
64 54.0 46.4 69.6
63 28.1 24.6 37.0



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: 24.513 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.02 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

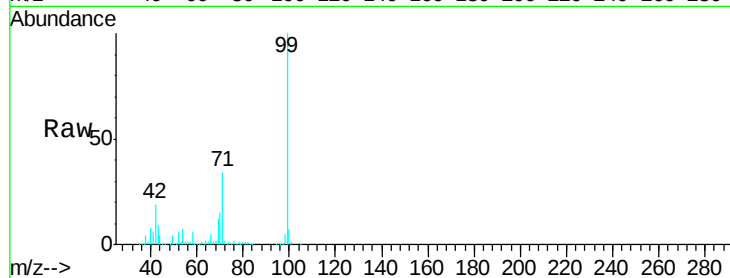
Tgt Ion: 99 Resp: 596720

Ion Ratio Lower Upper

99 100

42 19.0 15.3 22.9

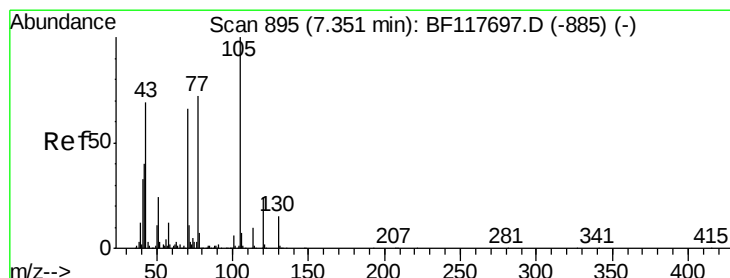
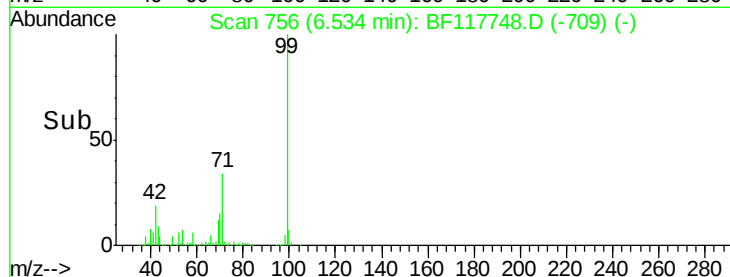
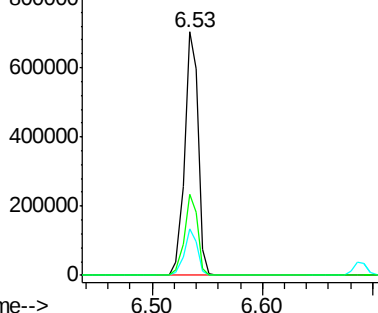
71 33.5 26.8 40.2



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: 2.831 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.13 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Tgt Ion: 70 Resp: 45312

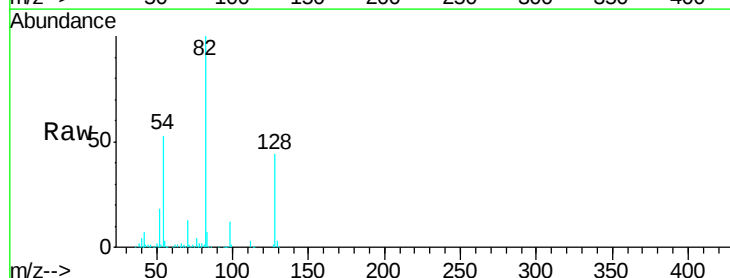
Ion Ratio Lower Upper

70 100

42 51.3 49.1 73.7

101 0.0 7.8 11.8#

130 2.2 17.9 26.9#

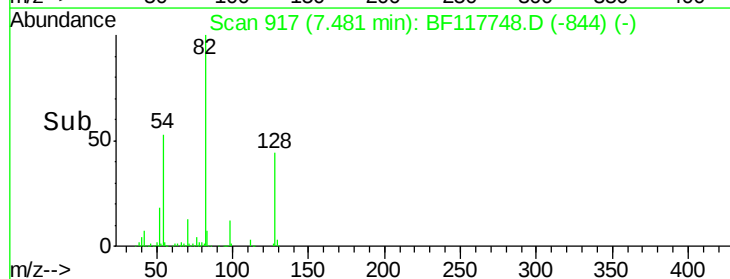
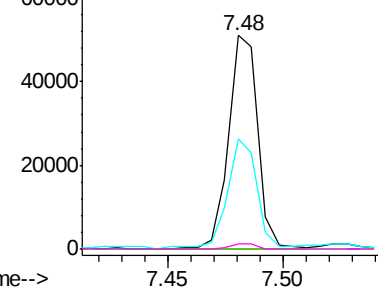


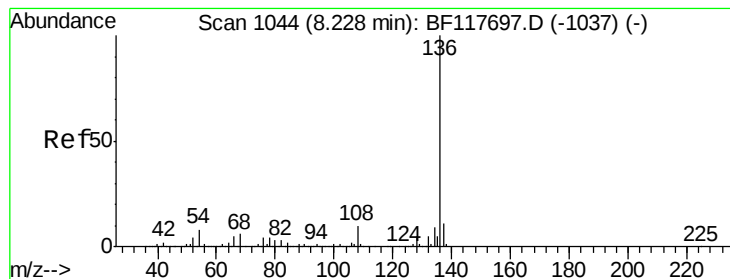
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

Tgt Ion:136 Resp: 1527883

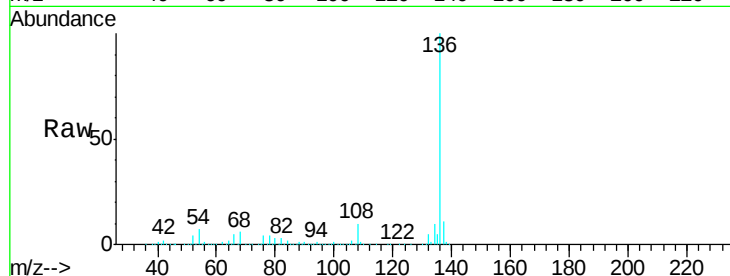
Ion Ratio Lower Upper

136 100

137 11.5 8.8 13.2

54 7.5 6.0 9.0

68 5.8 4.8 7.2

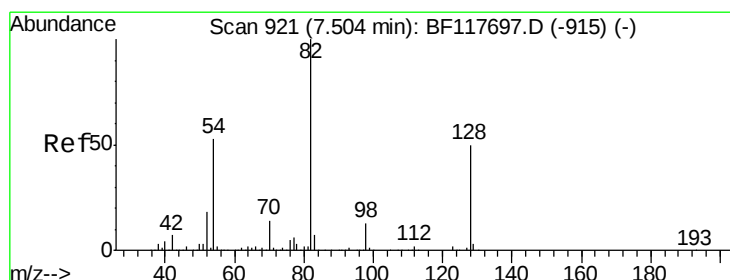
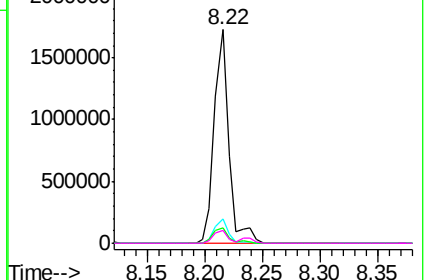
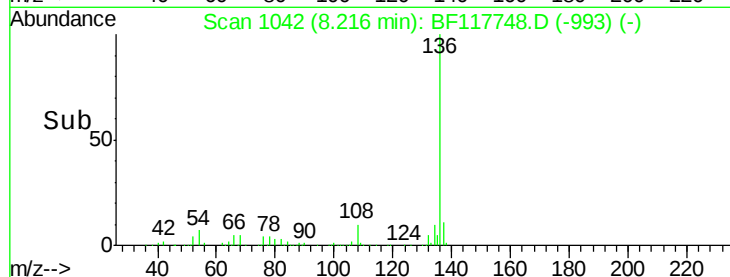


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.139 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

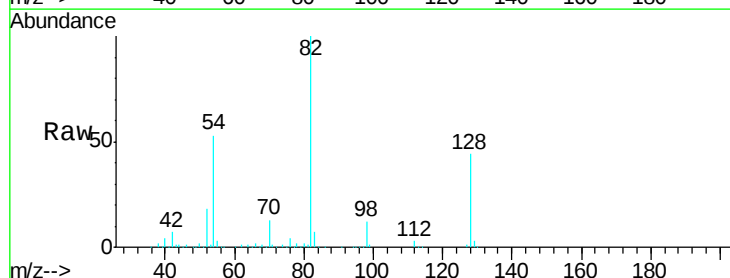
Tgt Ion: 82 Resp: 340035

Ion Ratio Lower Upper

82 100

128 44.2 40.2 60.2

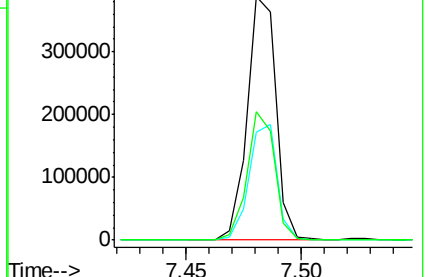
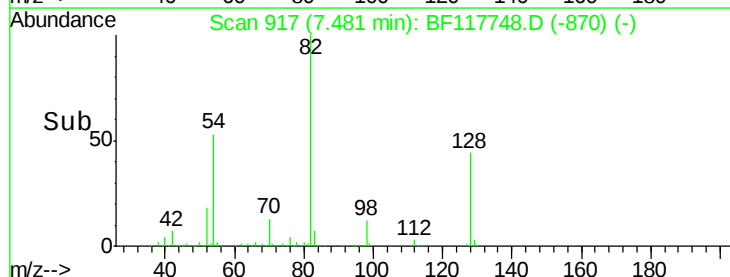
54 53.0 42.0 63.0

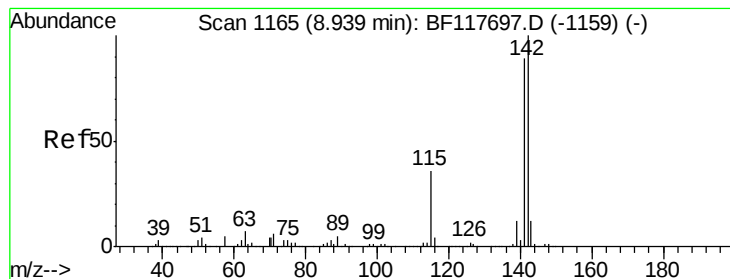


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#37

2-Methylnaphthalene

Concen: 2.717 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

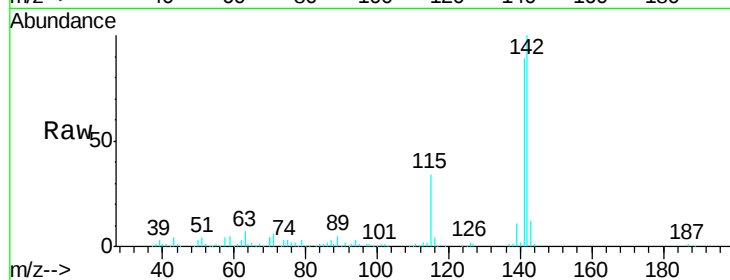
Tgt Ion:142 Resp: 129178

Ion Ratio Lower Upper

142 100

141 88.9 71.5 107.3

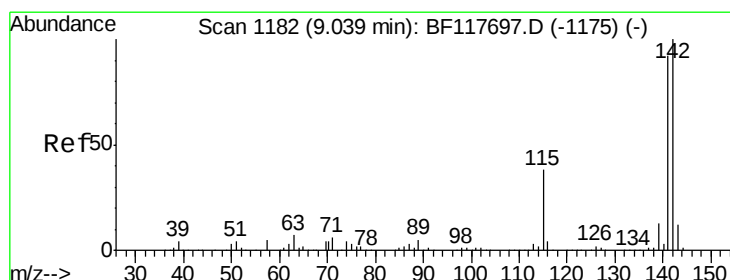
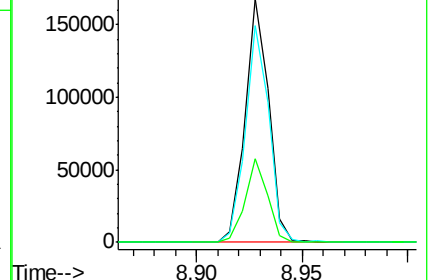
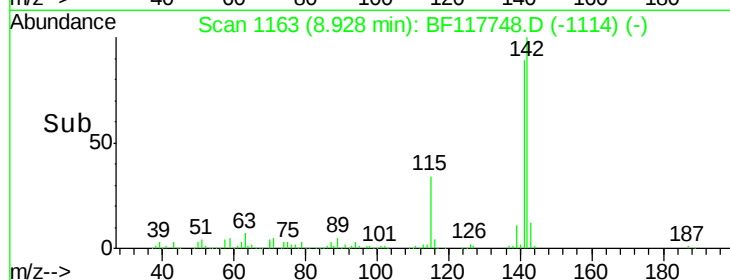
115 34.1 28.9 43.3



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: 2.217 ng

RT: 9.03 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

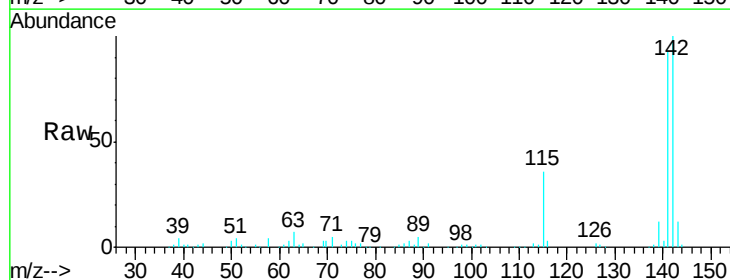
Tgt Ion:142 Resp: 100109

Ion Ratio Lower Upper

142 100

141 92.8 73.3 109.9

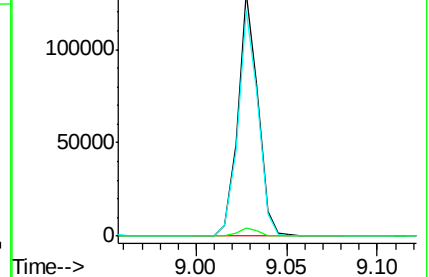
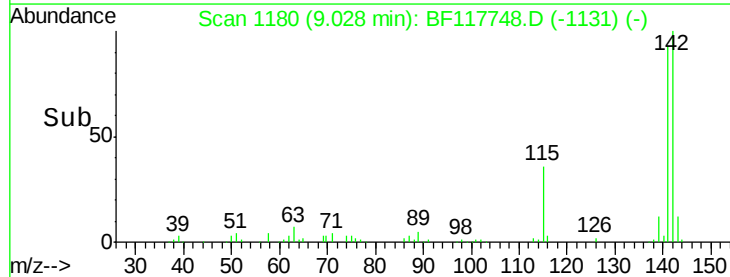
116 3.4 3.2 4.8

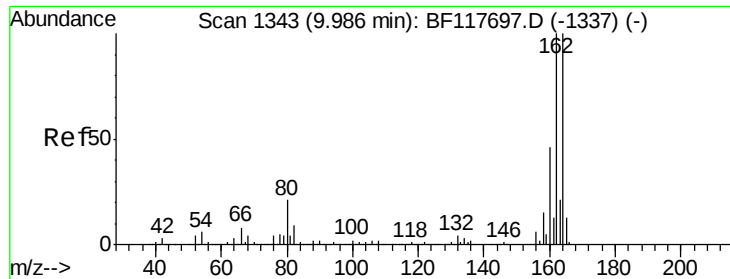


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

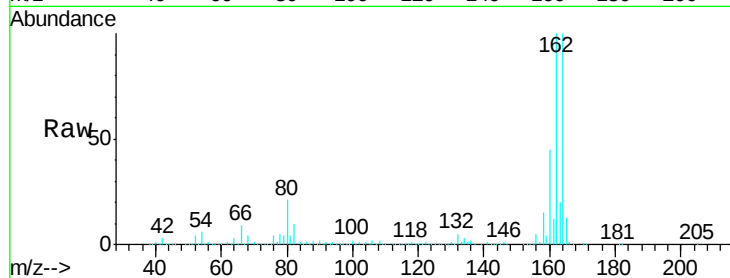




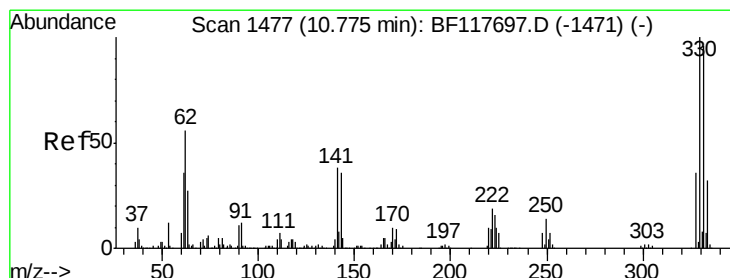
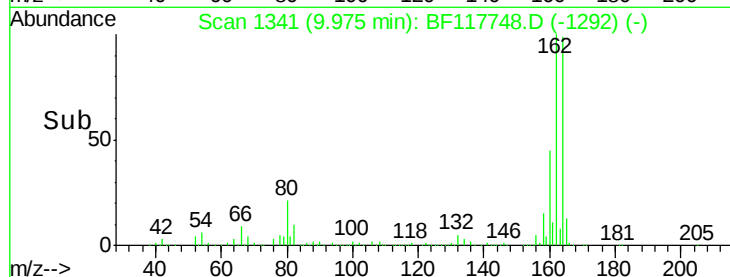
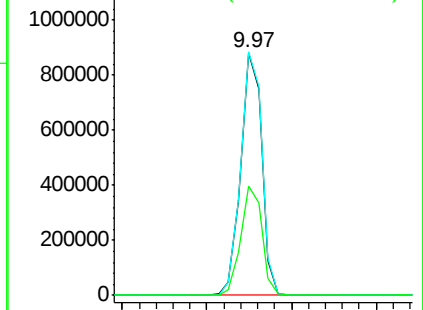
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Instrument :
BNA_F
ClientSampleId :
5-ADL

Tgt Ion:164 Resp: 764489
Ion Ratio Lower Upper
164 100
162 100.4 79.7 119.5
160 45.0 36.5 54.7

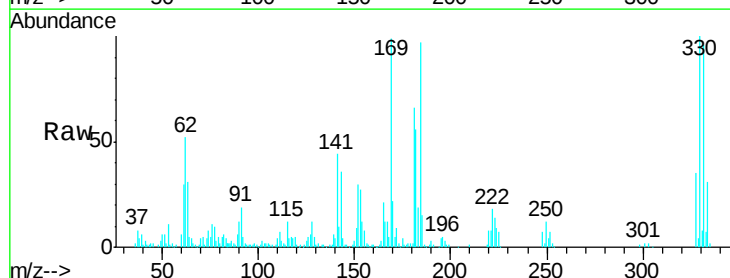


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

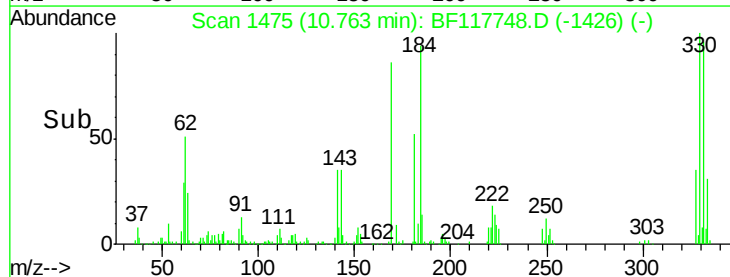
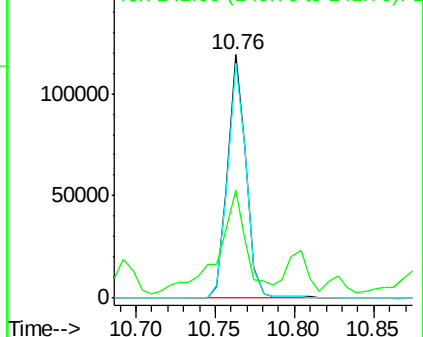


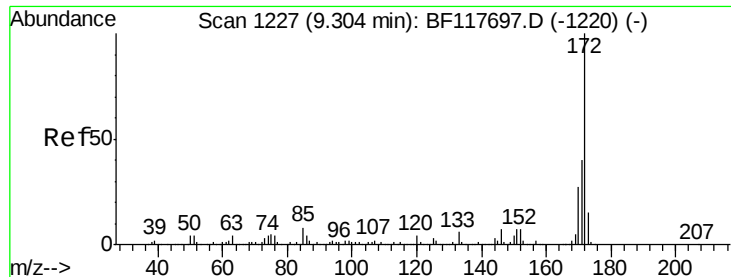
#42
2,4,6-Tribromophenol
Concen: 12.768 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Tgt Ion:330 Resp: 95483
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.0
141 66.6 28.0 42.0#



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

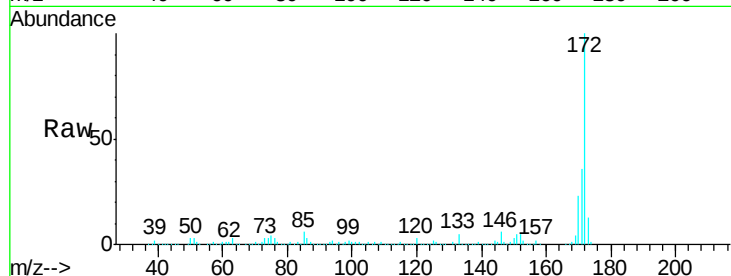




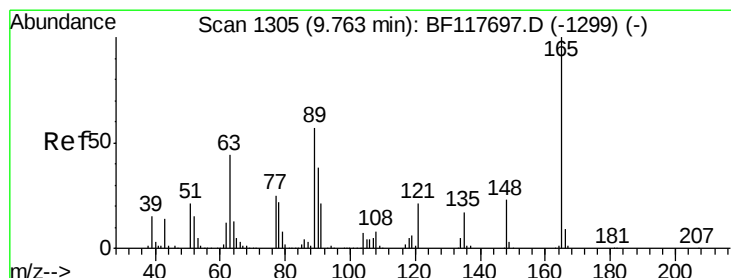
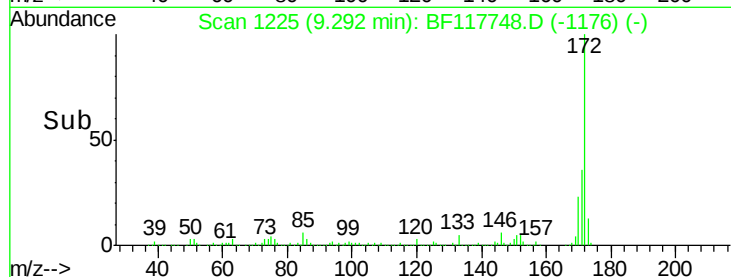
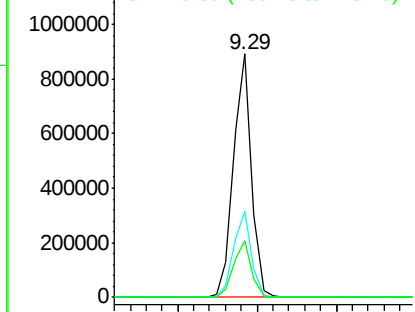
#45
 2-Fluorobiphenyl
 Concen: 18.096 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Instrument :
 BNA_F
 ClientSampleId :
 5-ADL

Tgt Ion:172 Resp: 701160
 Ion Ratio Lower Upper
 172 100
 171 35.5 31.8 47.8
 170 23.4 21.6 32.4

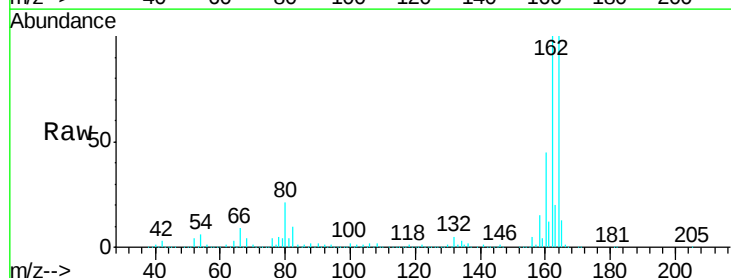


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

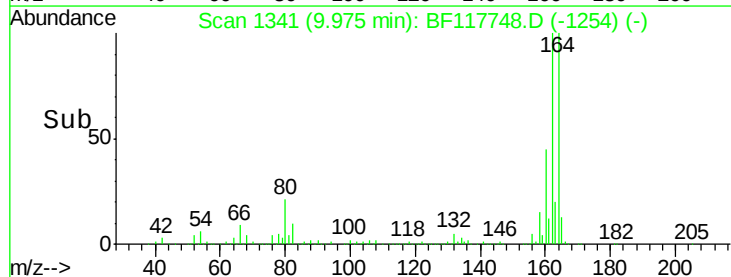
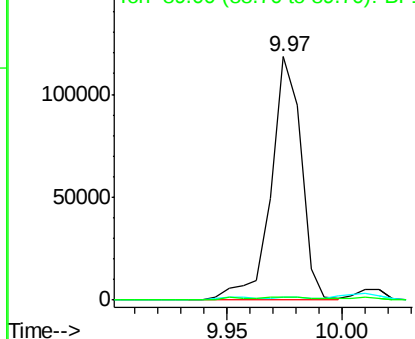


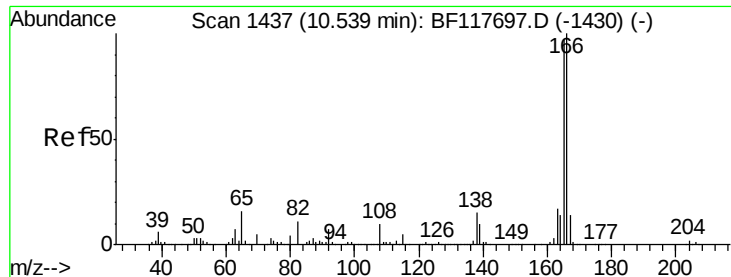
#51
 2,6-Dinitrotoluene
 Concen: 9.247 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.21 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Tgt Ion:165 Resp: 107013
 Ion Ratio Lower Upper
 165 100
 63 1.1 45.6 68.4#
 89 1.4 45.8 68.6#



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

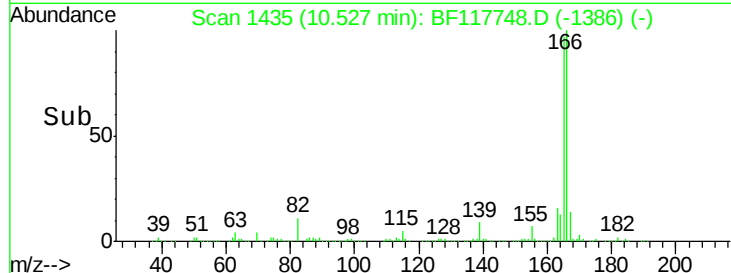
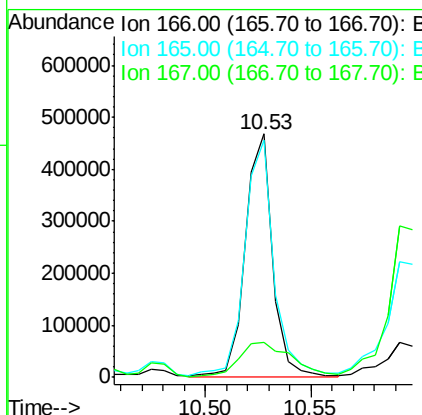
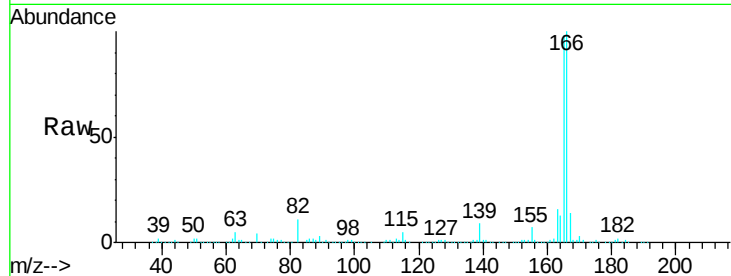




#58
 Fluorene
 Concen: 9.627 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

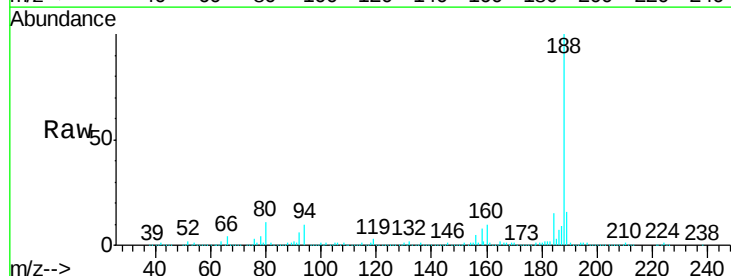
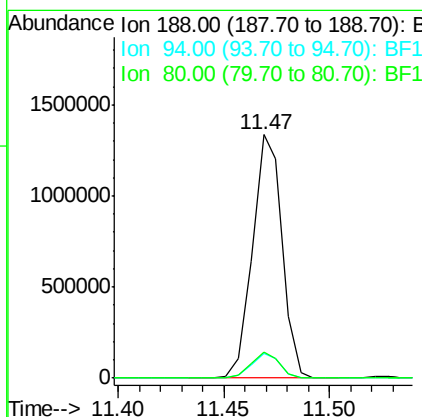
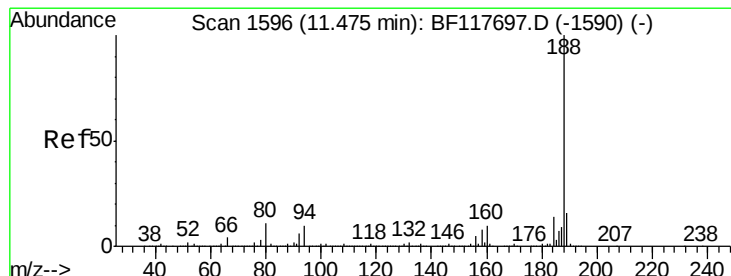
Instrument :
 BNA_F
 ClientSampleId :
 5-ADL

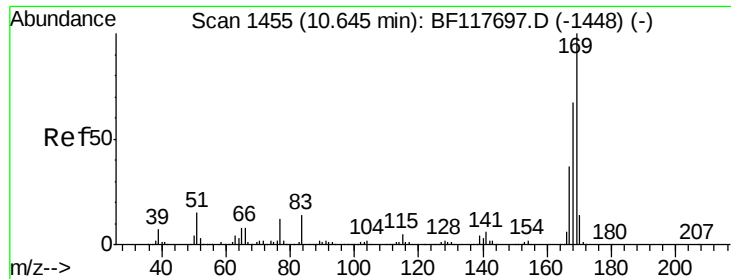
Tgt Ion:166 Resp: 414530
 Ion Ratio Lower Upper
 166 100
 165 97.7 77.4 116.0
 167 14.4 11.0 16.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF117748.D
 Acq: 8 Nov 2019 22:58

Tgt Ion:188 Resp: 1298758
 Ion Ratio Lower Upper
 188 100
 94 10.2 8.2 12.4
 80 10.8 8.6 13.0

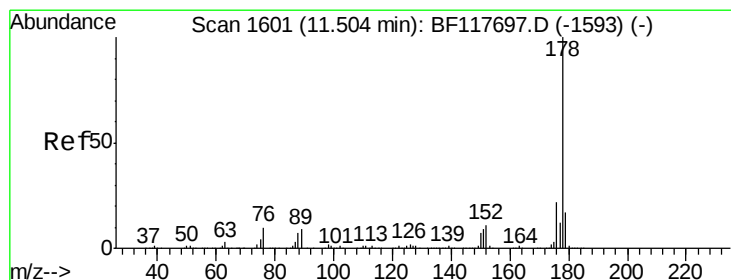
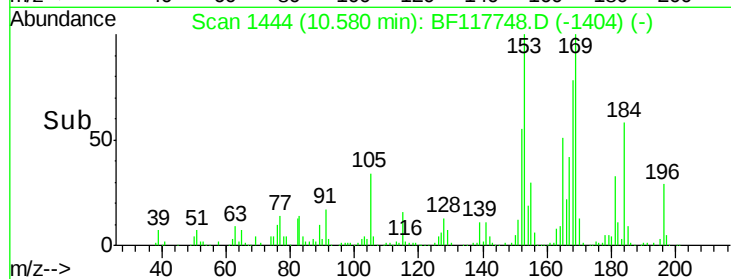
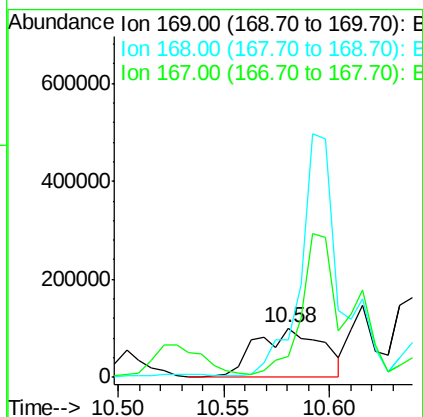
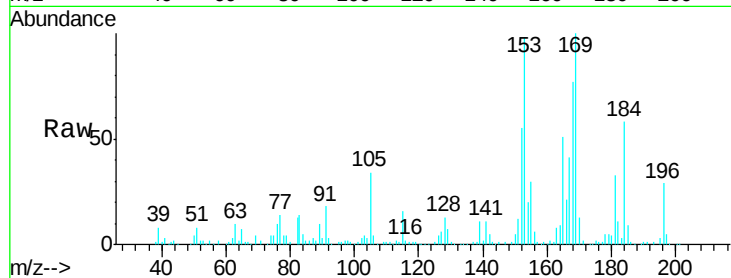




#66
n-Nitrosodiphenylamine
Concen: 5.639 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.06 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

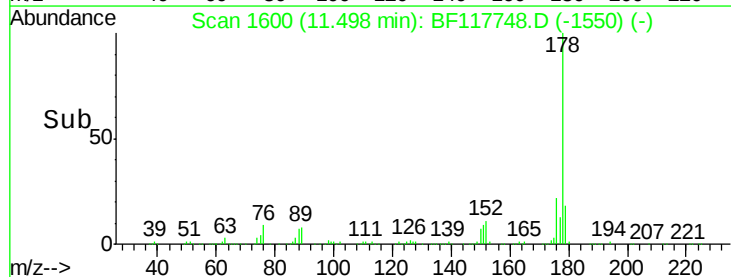
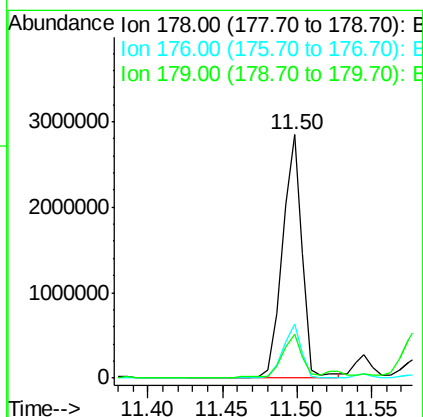
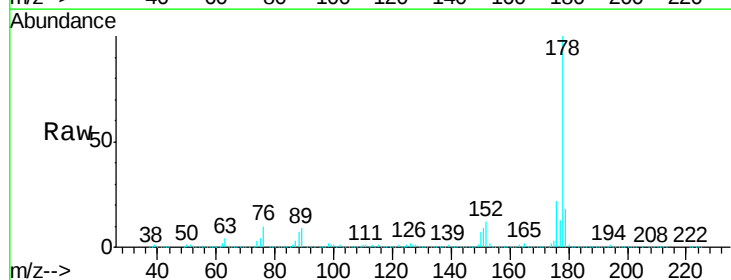
Instrument :
BNA_F
ClientSampleId :
5-ADL

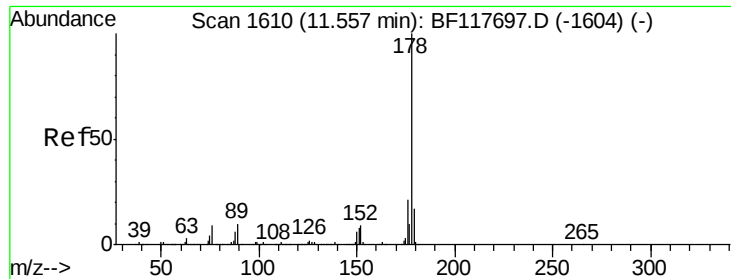
Tgt Ion:169 Resp: 216293
Ion Ratio Lower Upper
169 100
168 76.8 53.8 80.8
167 41.5 29.9 44.9



#71
Phenanthrene
Concen: 42.068 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Tgt Ion:178 Resp: 2618802
Ion Ratio Lower Upper
178 100
176 22.2 17.7 26.5
179 18.0 13.8 20.8





#72

Anthracene

Concen: 3.425 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

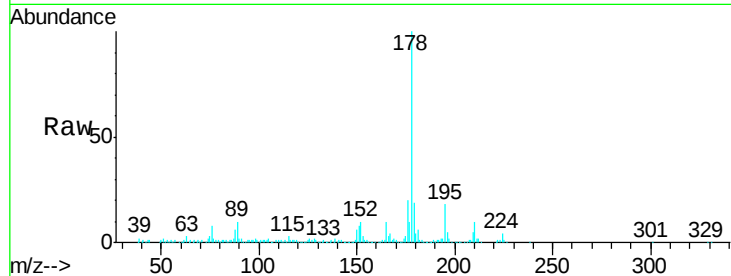
Tgt Ion:178 Resp: 212148

Ion Ratio Lower Upper

178 100

176 19.9 16.6 25.0

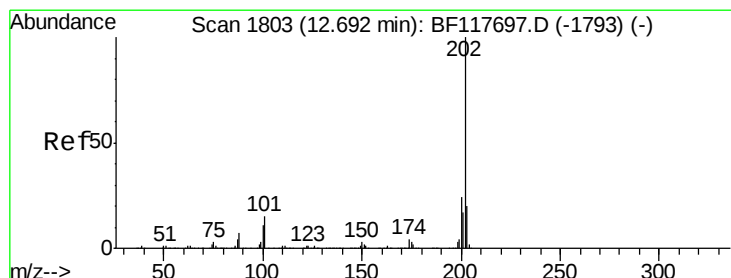
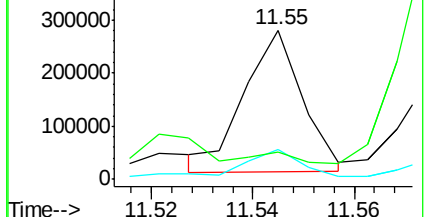
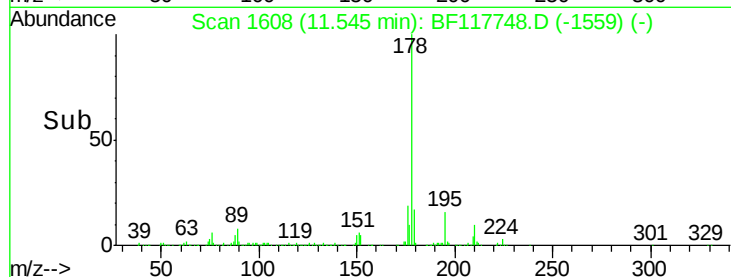
179 18.5 13.5 20.3



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



#75

Fluoranthene

Concen: 6.911 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

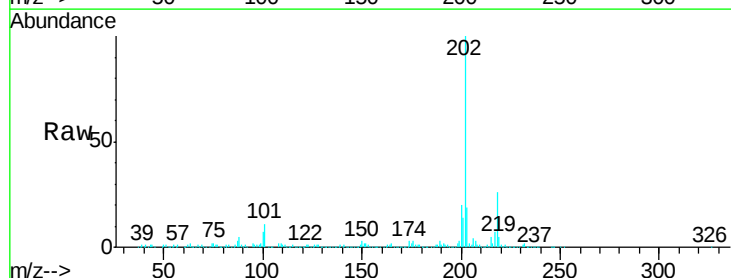
Tgt Ion:202 Resp: 439264

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.5

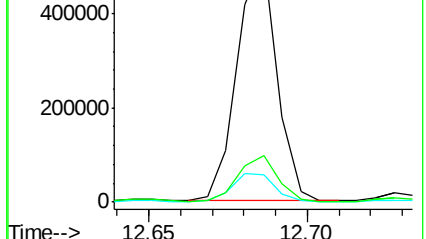
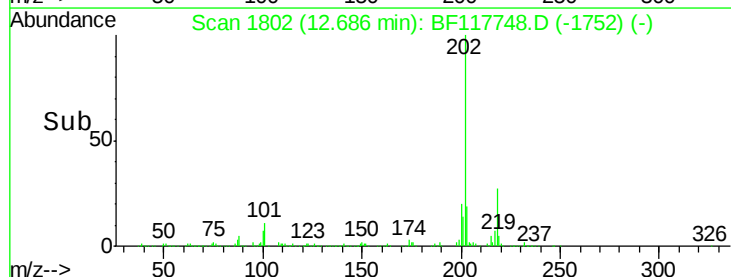
203 19.3 0.0 39.8

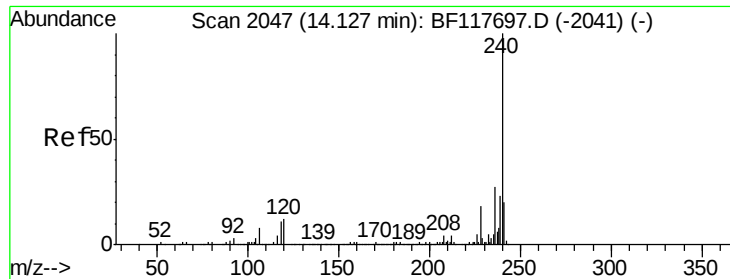


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

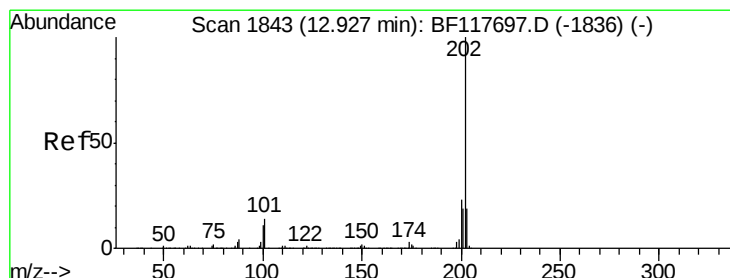
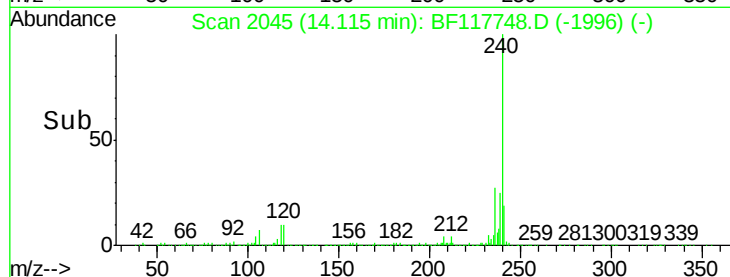
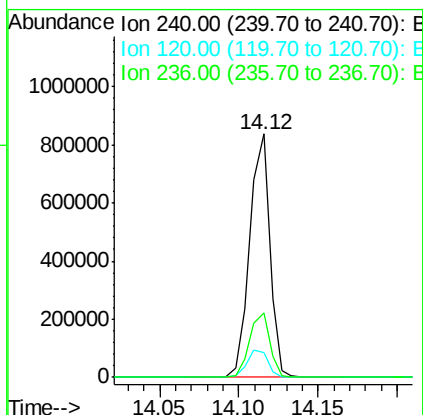
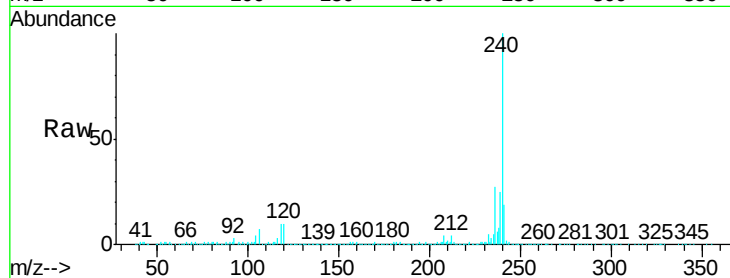




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

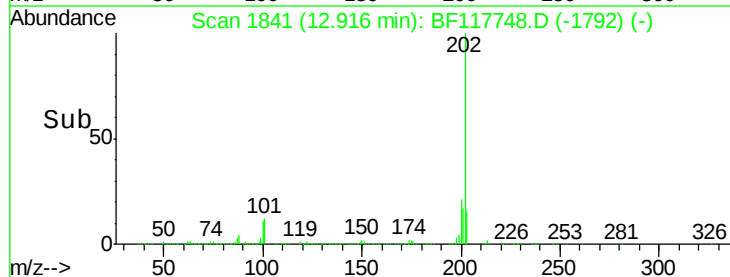
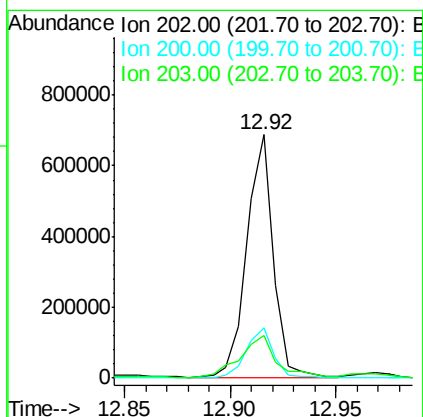
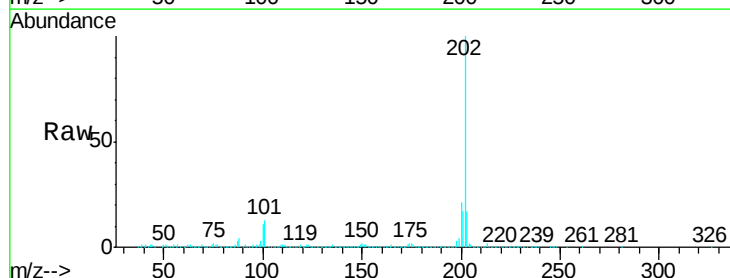
Instrument :
BNA_F
ClientSampleId :
5-ADL

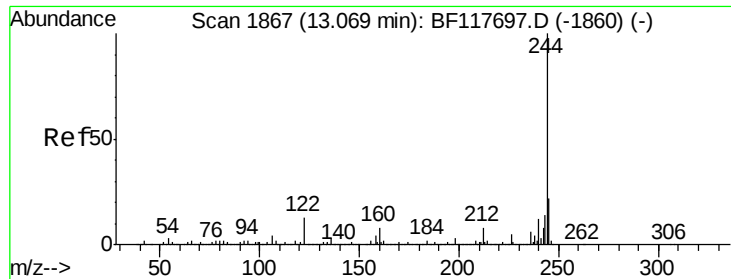
Tgt Ion:240 Resp: 740746
Ion Ratio Lower Upper
240 100
120 10.4 9.7 14.5
236 26.7 21.9 32.9



#78
Pyrene
Concen: 10.994 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117748.D
Acq: 8 Nov 2019 22:58

Tgt Ion:202 Resp: 594509
Ion Ratio Lower Upper
202 100
200 20.8 18.8 28.2
203 17.3 15.2 22.8





#79

Terphenyl-d14

Concen: 17.526 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

Instrument :

BNA_F

ClientSampleId :

5-ADL

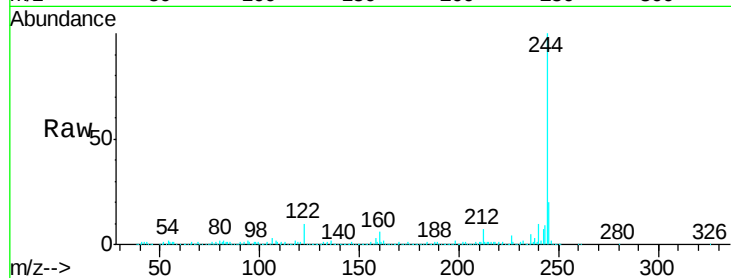
Tgt Ion:244 Resp: 630645

Ion Ratio Lower Upper

244 100

212 6.5 6.4 9.6

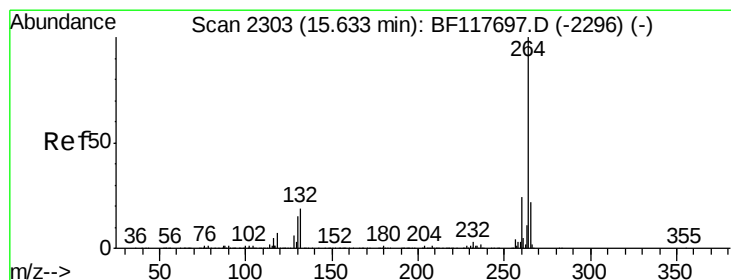
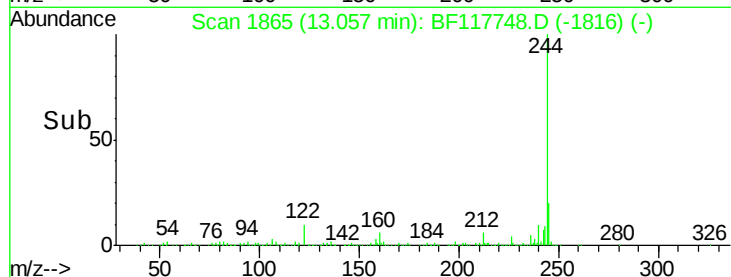
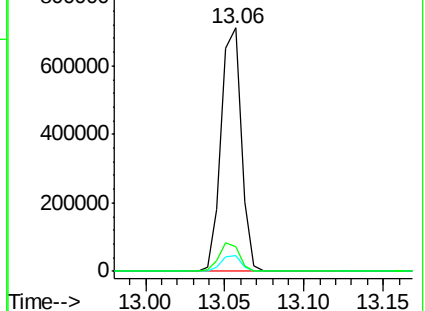
122 10.0 10.0 15.0



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BF117748.D

Acq: 8 Nov 2019 22:58

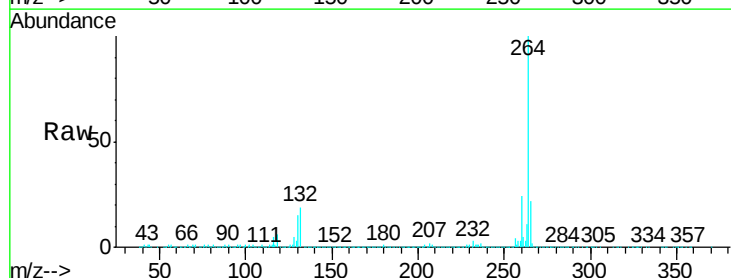
Tgt Ion:264 Resp: 841534

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.4 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

