

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117719.D
 Acq On : 7 Nov 2019 21:48
 Operator : JU
 Sample : K5722-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-B

Quant Time: Nov 08 01:27:19 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	321664	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1213493	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	613088	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1020144	20.00	ng	0.00
76) Chrysene-d12	14.12	240	741081	20.00	ng	0.00
87) Perylene-d12	15.63	264	922409	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1975685	111.18	ng	0.00
7) Phenol-d6	6.55	99	2482830	113.31	ng	0.00
23) Nitrobenzene-d5	7.49	82	1513853	73.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	649449	108.29	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2615720	84.18	ng	0.00
79) Terphenyl-d14	13.06	244	2377757	66.05	ng	0.00

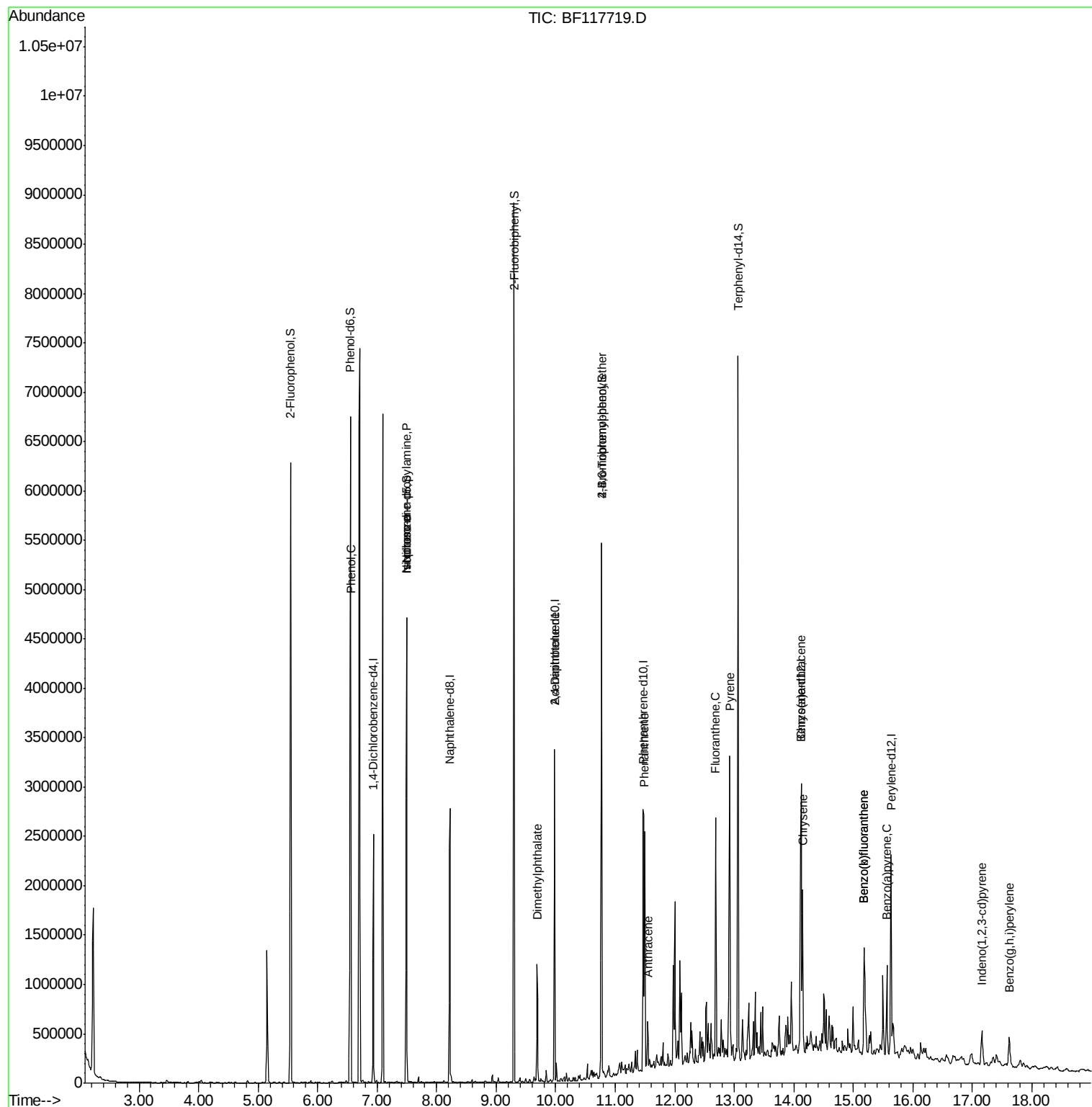
Target Compounds				Qvalue		
10) Phenol	6.56	94	93093	3.943	ng	97
19) n-Nitroso-di-n-propylamine	7.49	70	209753	14.559	ng	# 77
25) Isophorone	7.49	82	1510197	38.415	ng	# 62
50) Dimethylphthalate	9.69	163	432075	10.425	ng	99
57) 2,4-Dinitrotoluene	9.98	165	79475	6.675	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	41760	3.748	ng	# 1
71) Phenanthrene	11.50	178	931263	19.045	ng	95
72) Anthracene	11.55	178	151280	3.110	ng	98
75) Fluoranthene	12.69	202	885459	17.735	ng	97
78) Pyrene	12.92	202	1263847	23.362	ng	97
81) Benzo(a)anthracene	14.11	228	577796	12.526	ng	98
83) Chrysene	14.14	228	601335	13.200	ng	98
86) Indeno(1,2,3-cd)pyrene	17.16	276	239730	5.654	ng	95
88) Benzo(b)fluoranthene	15.18	252	798690	13.748	ng	# 97
89) Benzo(k)fluoranthene	15.18	252	798690	15.414	ng	98
90) Benzo(a)pyrene	15.56	252	453670	9.008	ng	100
92) Benzo(g,h,i)perylene	17.62	276	240849	5.502	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
Data File : BF117719.D
Acq On : 7 Nov 2019 21:48
Operator : JU
Sample : K5722-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
4-B

Quant Time: Nov 08 01:27:19 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



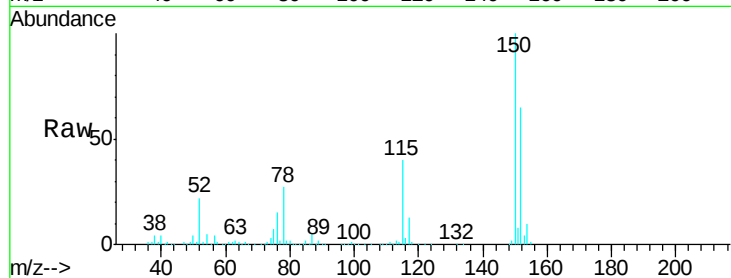


#1

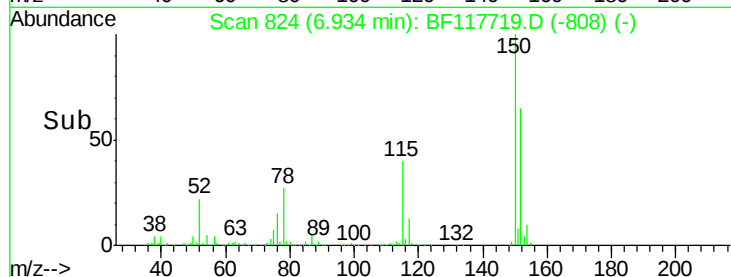
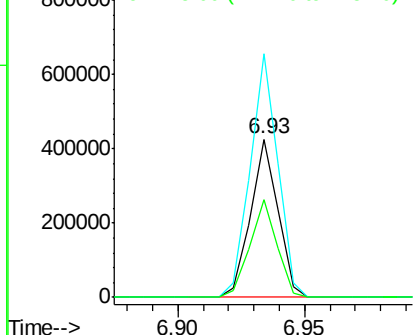
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampleId :
4-B

Tgt Ion:152 Resp: 321664
Ion Ratio Lower Upper
152 100
150 154.0 121.4 182.2
115 61.5 46.7 70.1



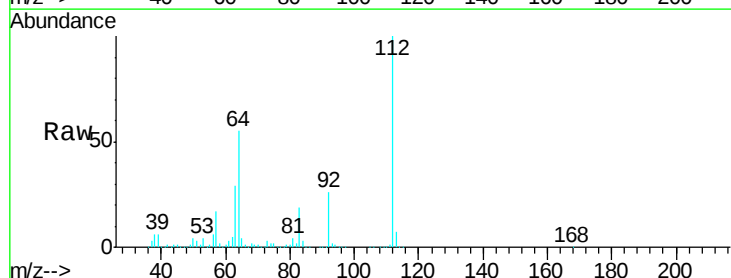
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



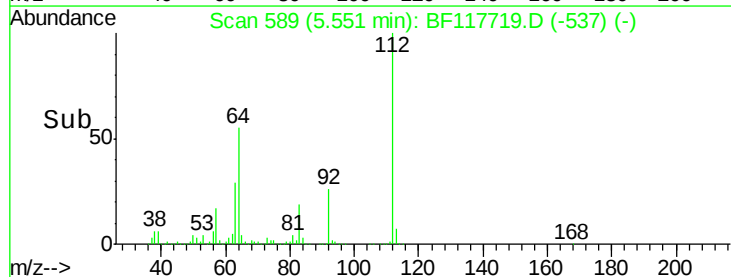
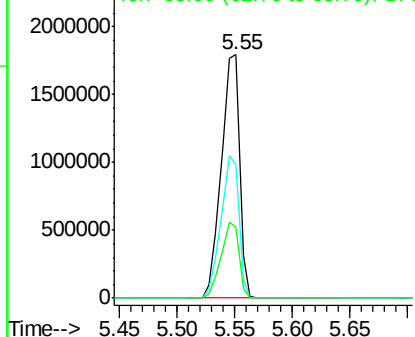
#5

2-Fluorophenol
Concen: 111.181 ng
RT: 5.55 min Scan# 589
Delta R.T. 0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion:112 Resp: 1975685
Ion Ratio Lower Upper
112 100
64 54.7 46.4 69.6
63 29.1 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: 113.315 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampleId :

4-B

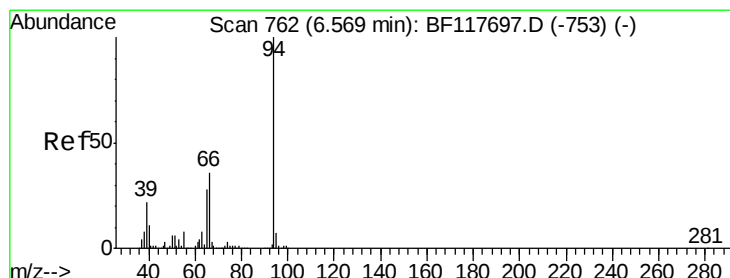
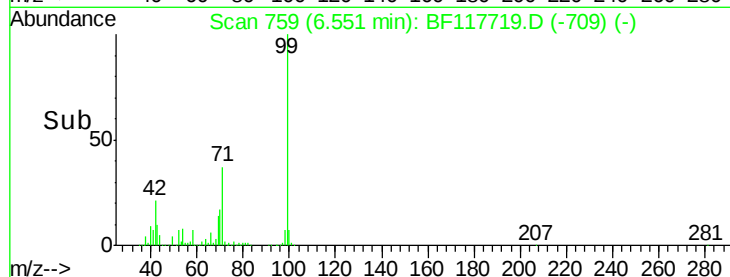
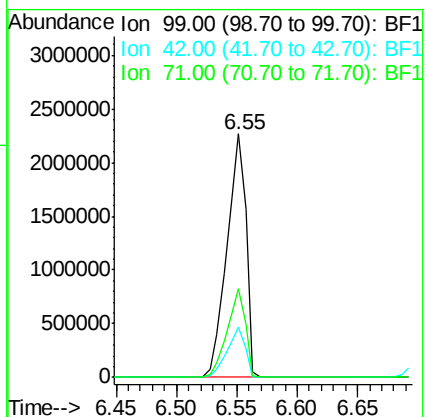
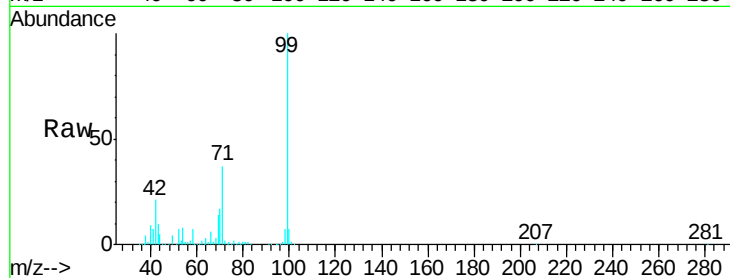
Tgt Ion: 99 Resp: 2482830

Ion Ratio Lower Upper

99 100

42 20.7 15.3 22.9

71 36.6 26.8 40.2



#10

Phenol

Concen: 3.943 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

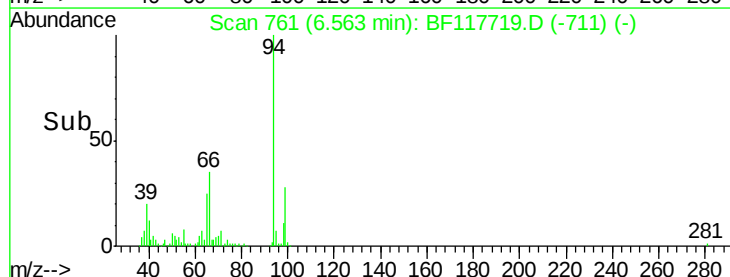
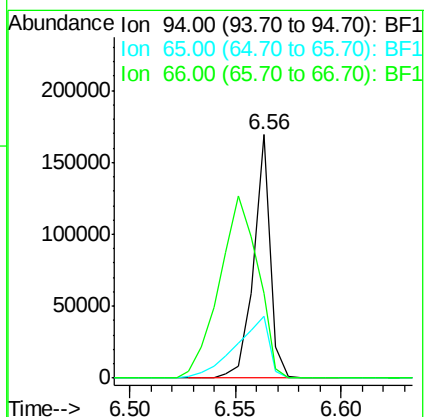
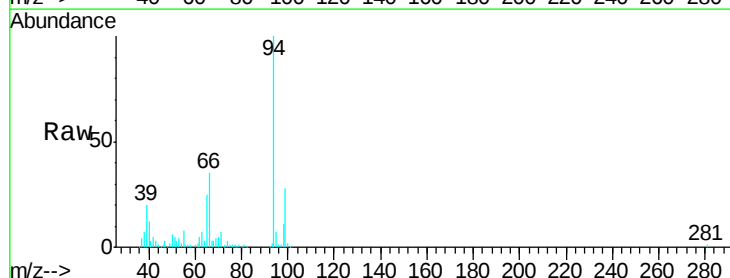
Tgt Ion: 94 Resp: 93093

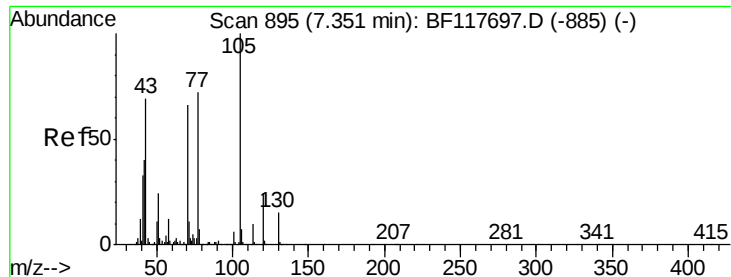
Ion Ratio Lower Upper

94 100

65 25.3 7.6 47.6

66 34.7 16.1 56.1

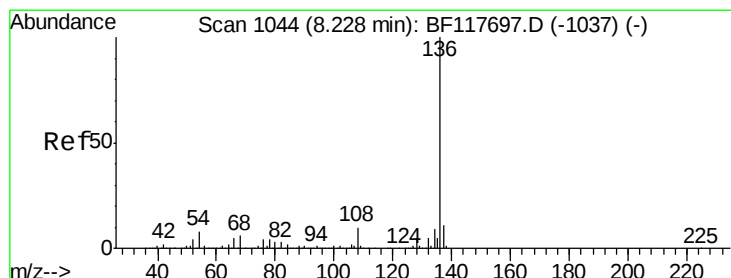
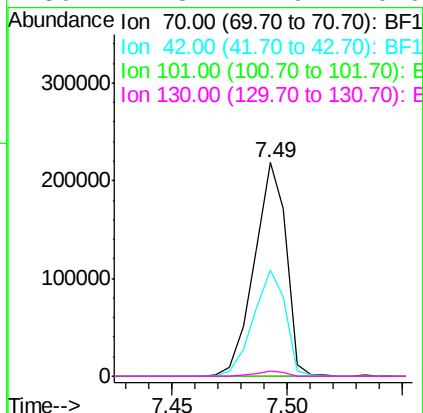
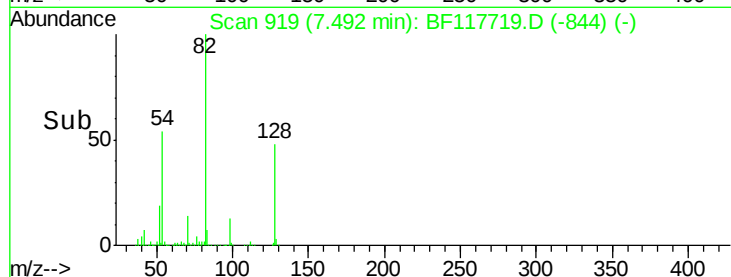
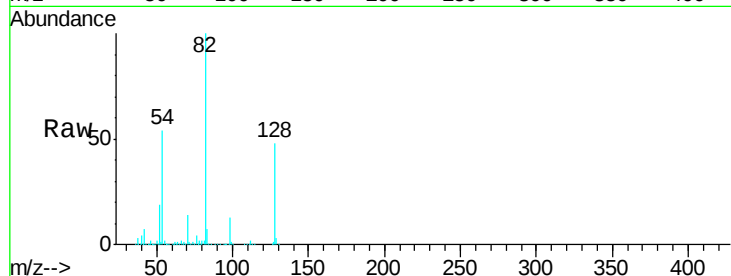




#19
n-Nitroso-di-n-propylamine
Concen: 14.559 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

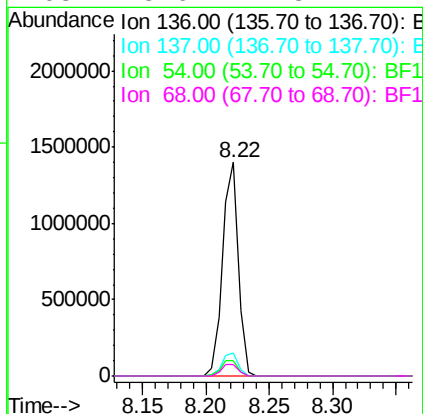
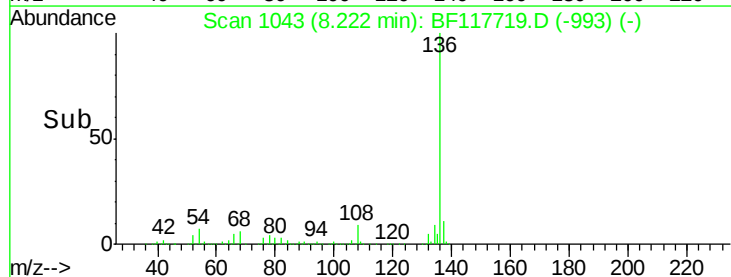
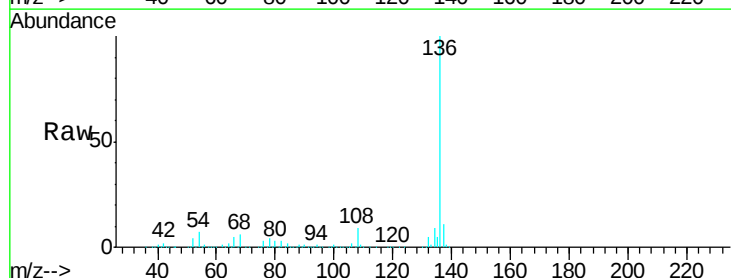
Instrument :
BNA_F
ClientSampleId :
4-B

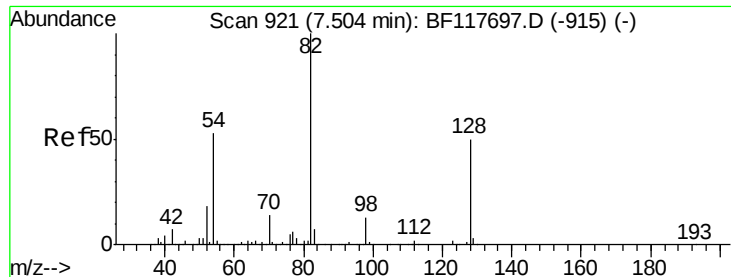
Tgt Ion: 70 Resp: 209753
Ion Ratio Lower Upper
70 100
42 49.5 49.1 73.7
101 0.0 7.8 11.8#
130 2.3 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion: 136 Resp: 1213493
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.4 6.0 9.0
68 5.6 4.8 7.2

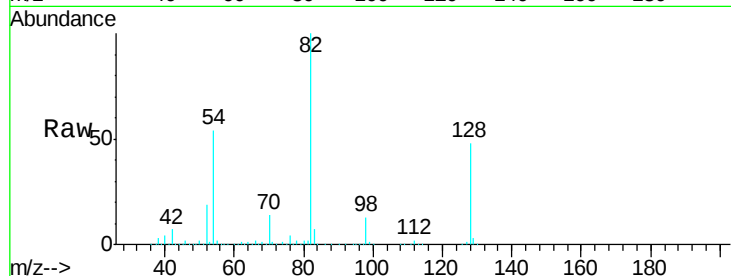




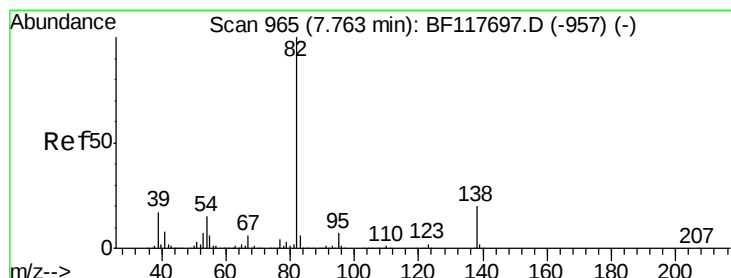
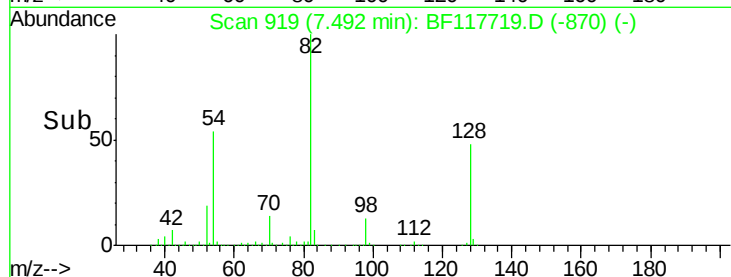
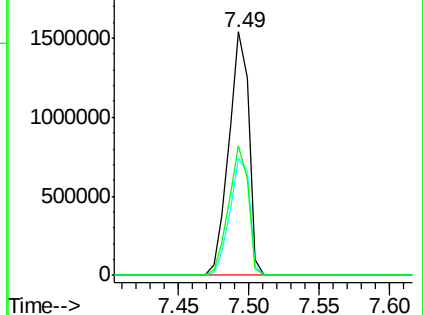
#23
Nitrobenzene-d5
Concen: 73.652 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampleId :
4-B

Tgt Ion: 82 Resp: 1513853
Ion Ratio Lower Upper
82 100
128 48.1 40.2 60.2
54 53.5 42.0 63.0

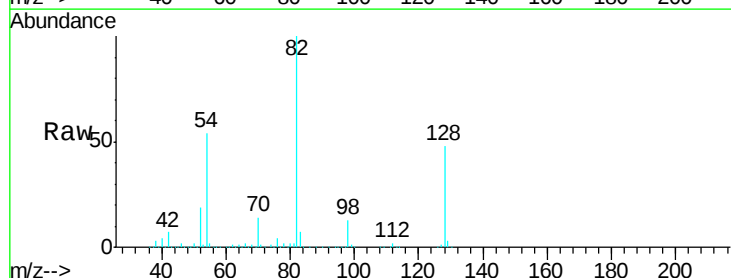


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

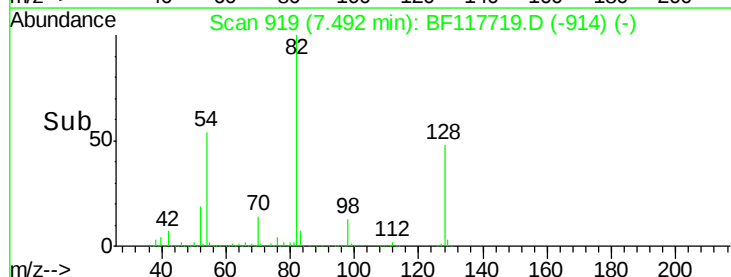
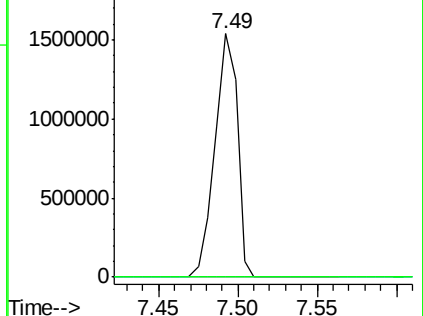


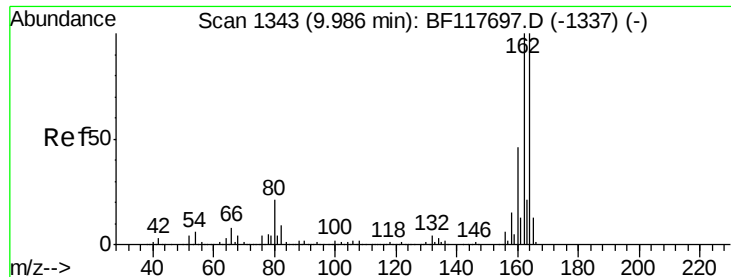
#25
Isophorone
Concen: 38.415 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion: 82 Resp: 1510197
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

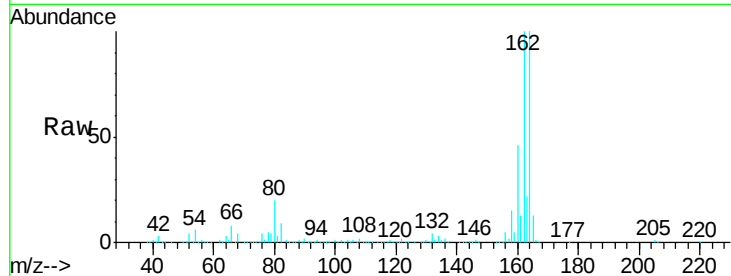




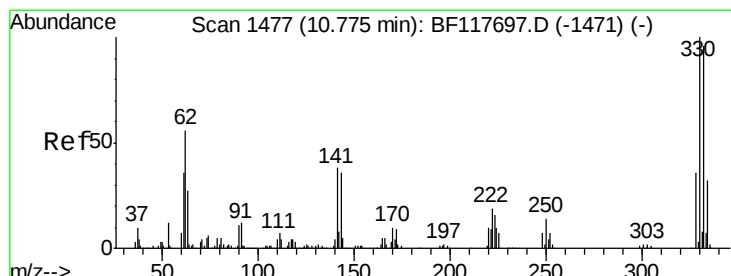
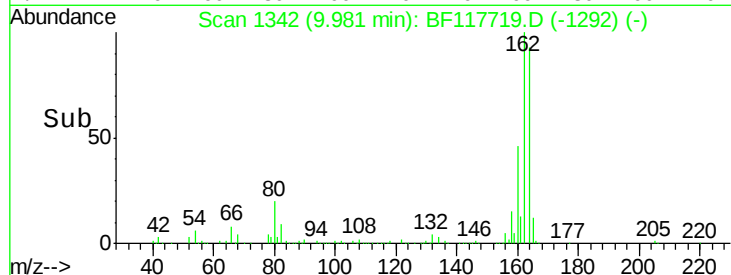
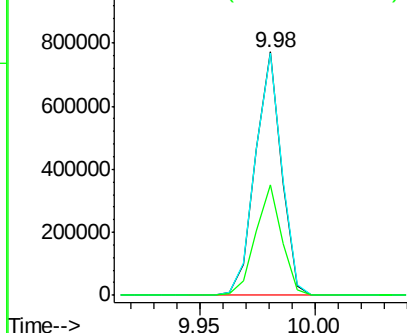
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampleId :
4-B

Tgt Ion:164 Resp: 613088
Ion Ratio Lower Upper
164 100
162 99.7 79.7 119.5
160 45.5 36.5 54.7

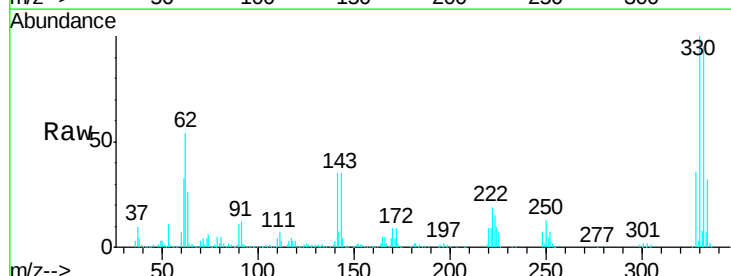


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

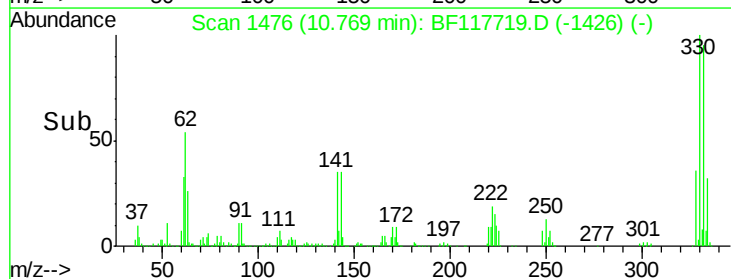
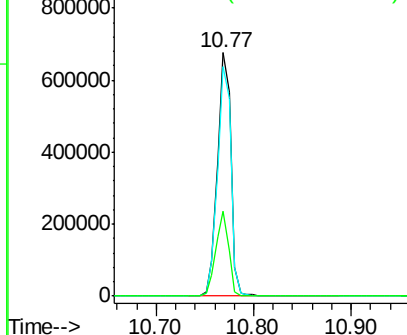


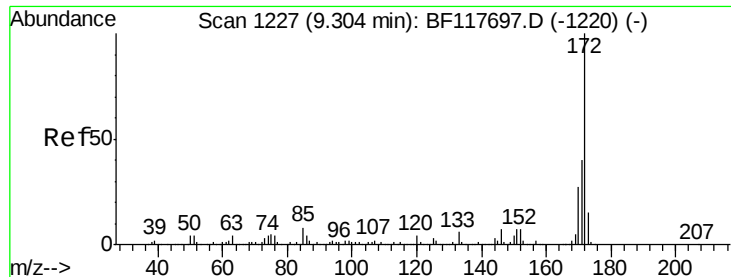
#42
2,4,6-Tribromophenol
Concen: 108.288 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion:330 Resp: 649449
Ion Ratio Lower Upper
330 100
332 95.8 77.4 116.0
141 33.2 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

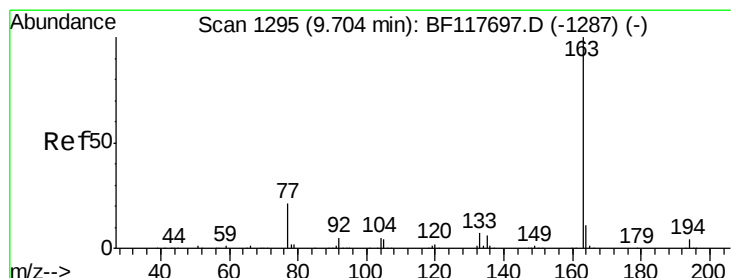
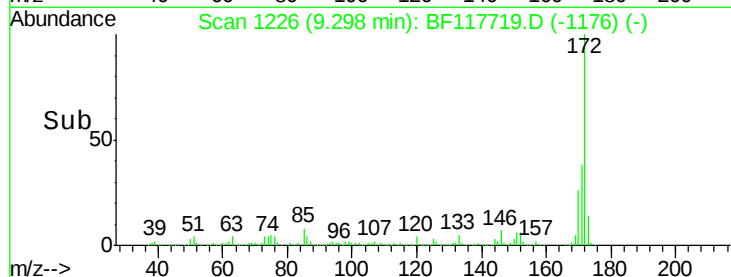
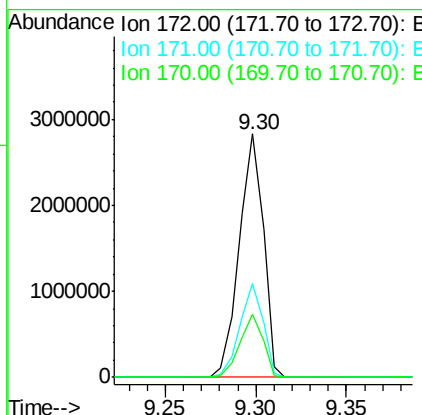
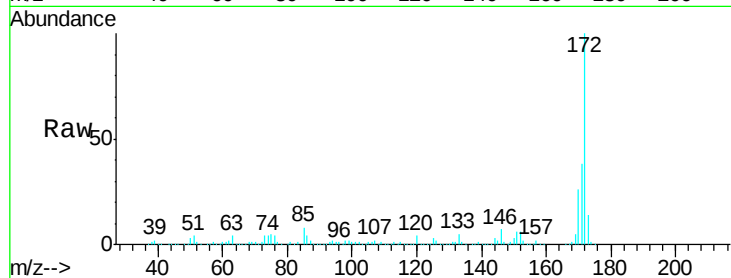




#45
2-Fluorobiphenyl
Concen: 84.178 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

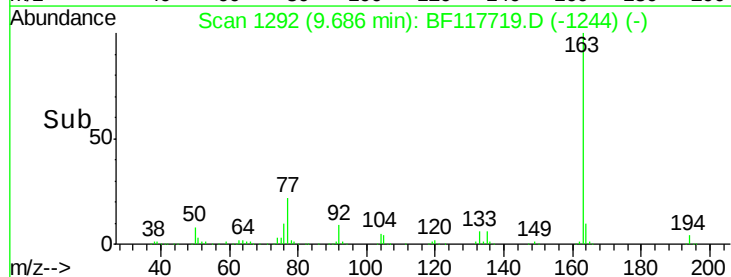
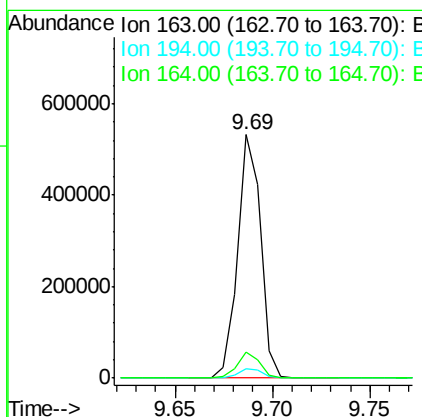
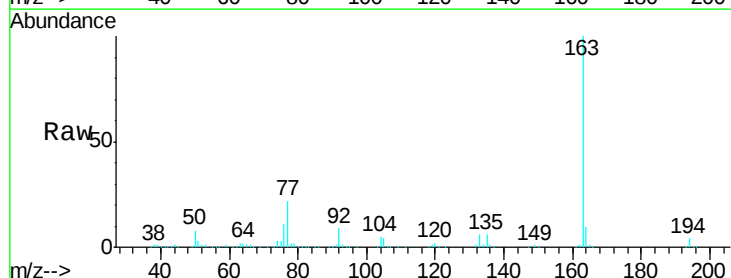
Instrument :
BNA_F
ClientSampleId :
4-B

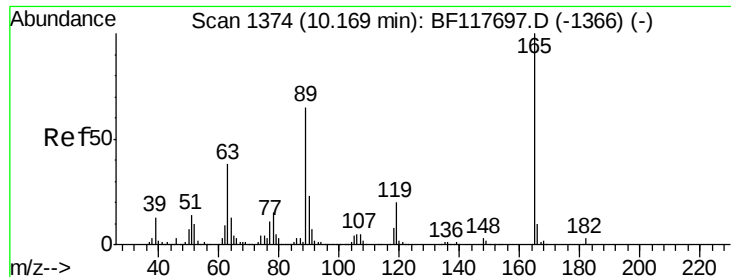
Tgt Ion:172 Resp: 2615720
Ion Ratio Lower Upper
172 100
171 38.5 31.8 47.8
170 26.0 21.6 32.4



#50
Dimethylphthalate
Concen: 10.425 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion:163 Resp: 432075
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 10.5 8.9 13.3

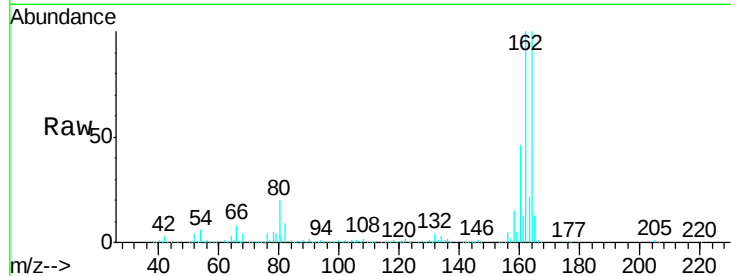




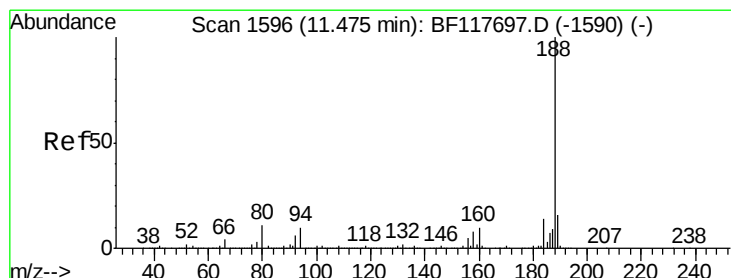
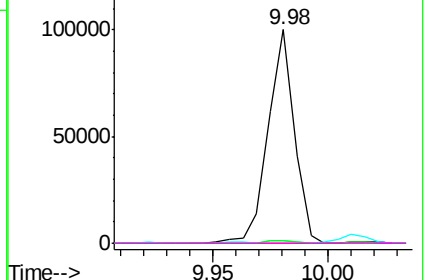
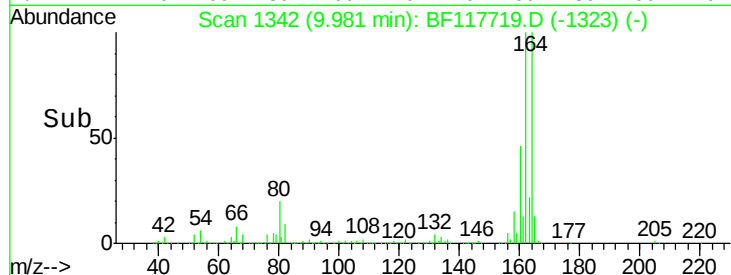
#57
2,4-Dinitrotoluene
Concen: 6.675 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.19 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampleId :
4-B

Tgt Ion:165 Resp: 79475
Ion Ratio Lower Upper
165 100
63 1.4 30.4 45.6#
89 1.4 52.2 78.4#
182 0.0 2.3 3.5#

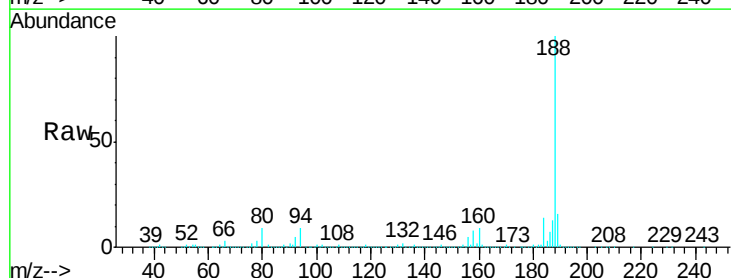


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

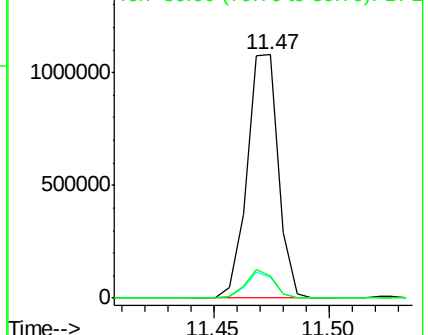
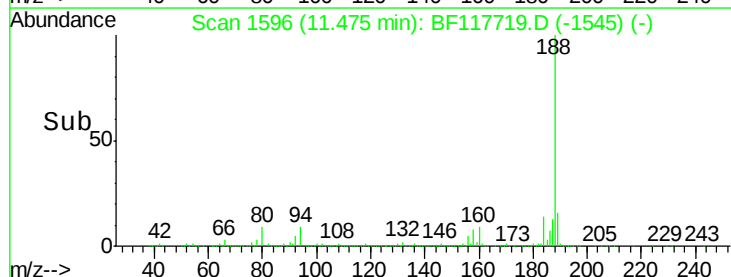


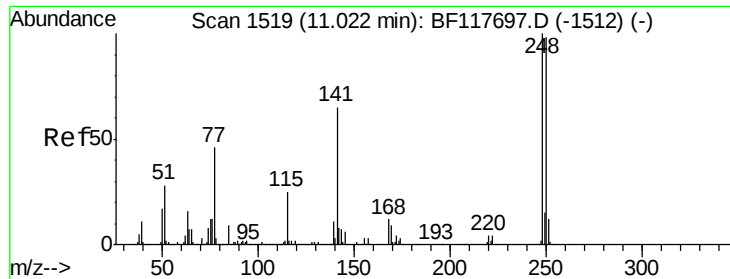
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion:188 Resp: 1020144
Ion Ratio Lower Upper
188 100
94 8.7 8.2 12.4
80 9.2 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

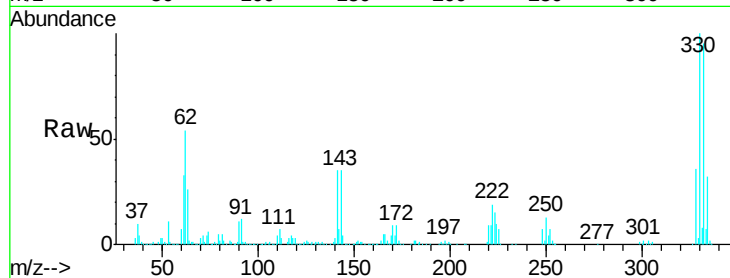




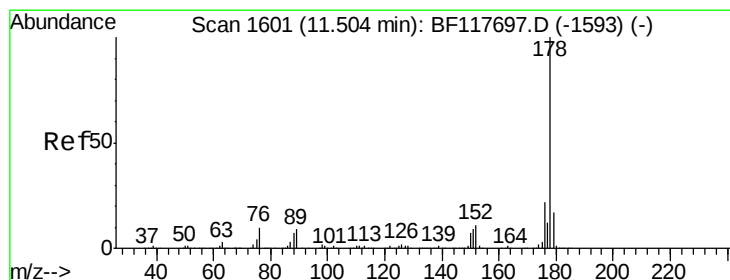
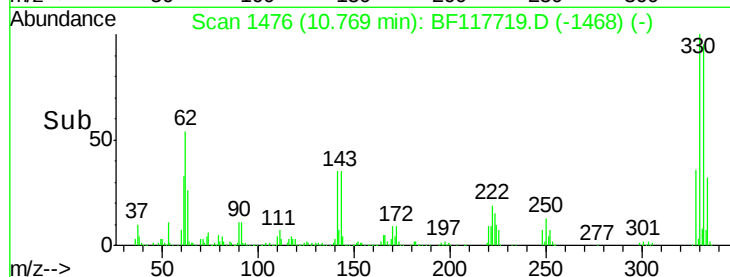
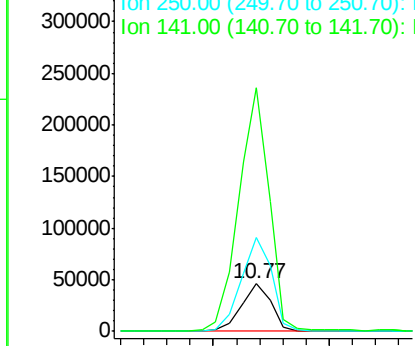
#67
4-Bromophenyl-phenylether
Concen: 3.748 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.25 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Instrument :
BNA_F
ClientSampleId :
4-B

Tgt Ion:248 Resp: 41760
Ion Ratio Lower Upper
248 100
250 198.6 78.7 118.1#
141 513.3 51.8 77.8#

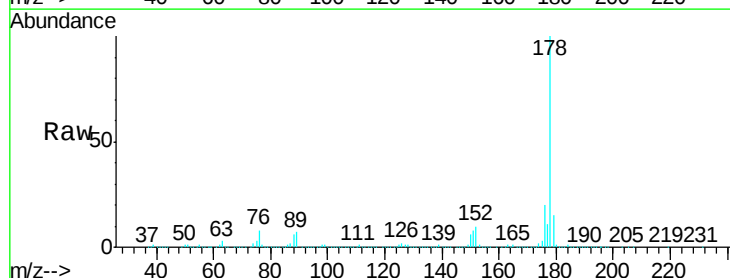


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

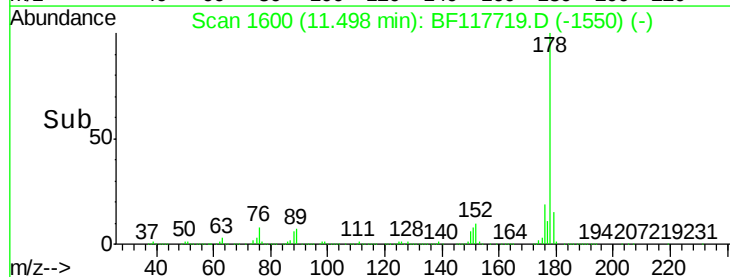
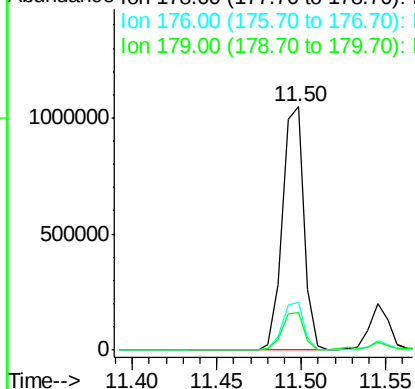


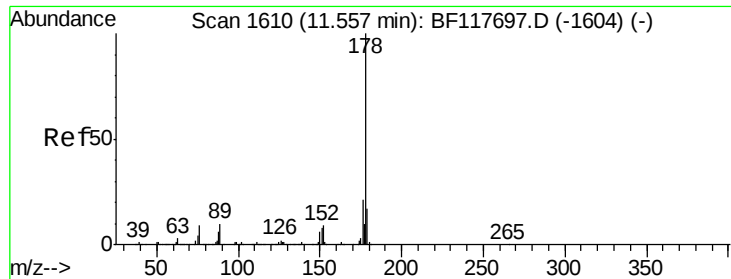
#71
Phenanthrene
Concen: 19.045 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion:178 Resp: 931263
Ion Ratio Lower Upper
178 100
176 19.5 17.7 26.5
179 15.3 13.8 20.8



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: 3.110 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampleId :

4-B

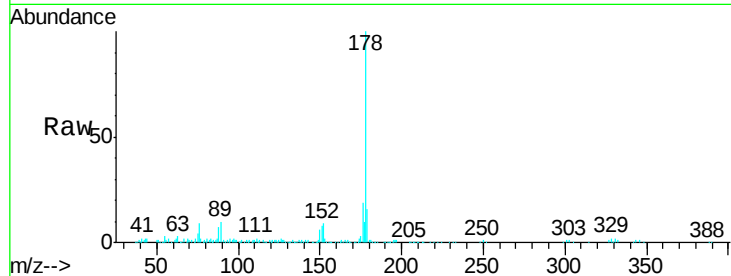
Tgt Ion:178 Resp: 151280

Ion Ratio Lower Upper

178 100

176 19.2 16.6 25.0

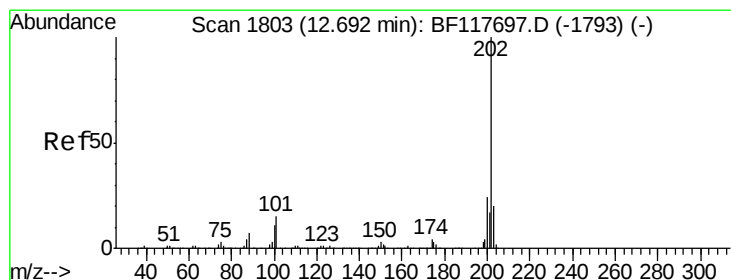
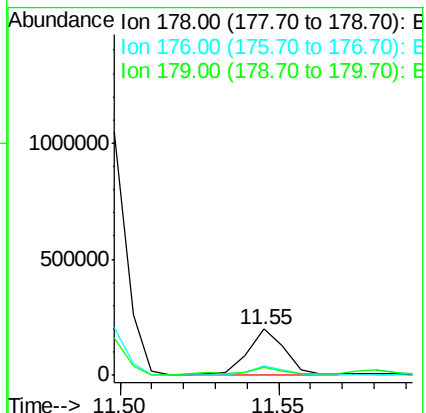
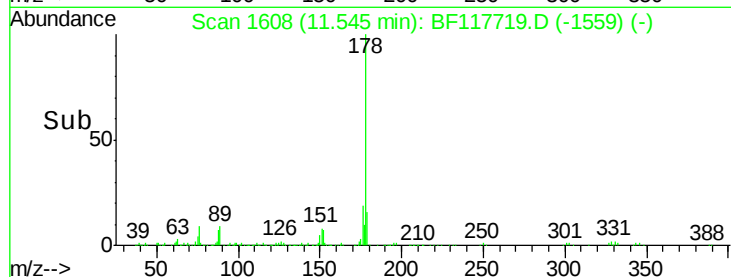
179 16.3 13.5 20.3



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: 17.735 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

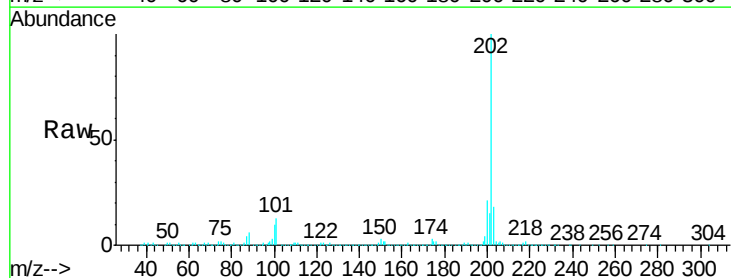
Tgt Ion:202 Resp: 885459

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.5

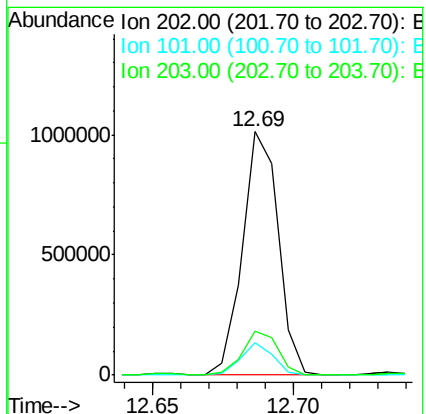
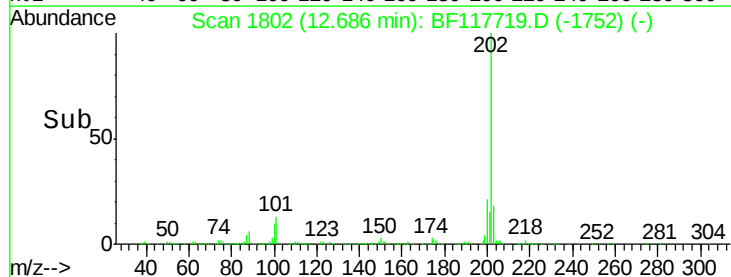
203 18.0 0.0 39.8

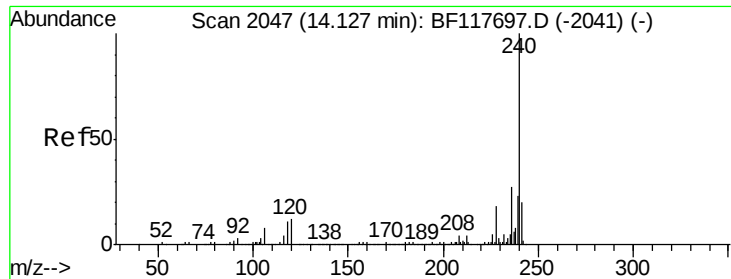


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2046

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampleId :

4-B

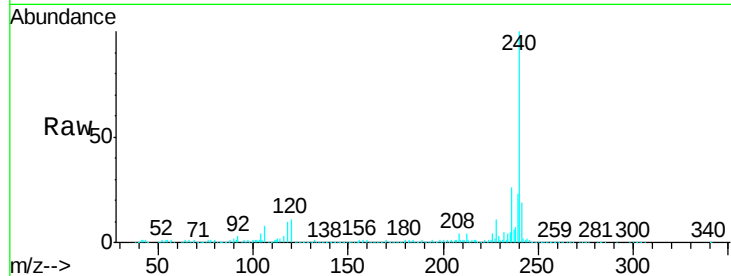
Tgt Ion:240 Resp: 741081

Ion Ratio Lower Upper

240 100

120 10.8 9.7 14.5

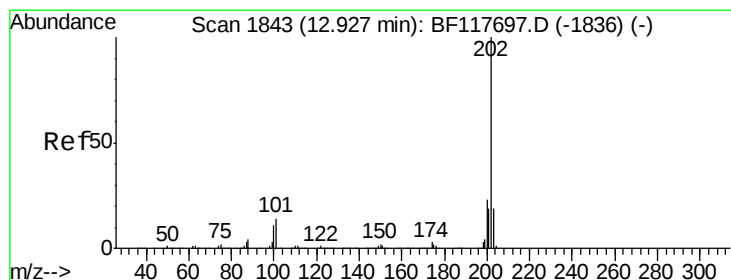
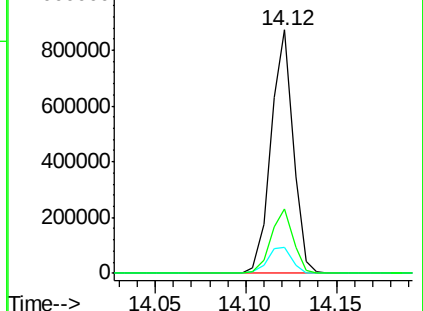
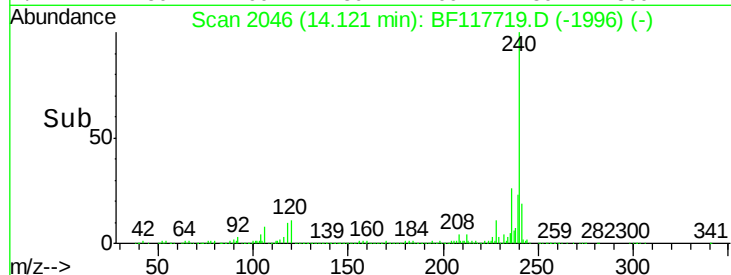
236 26.2 21.9 32.9



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: 23.362 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

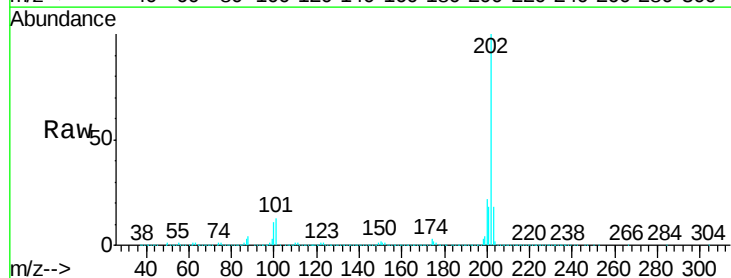
Tgt Ion:202 Resp: 1263847

Ion Ratio Lower Upper

202 100

200 22.1 18.8 28.2

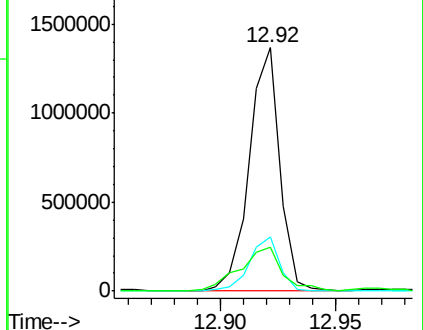
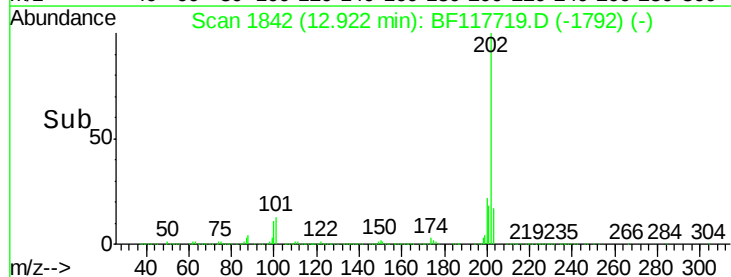
203 18.1 15.2 22.8

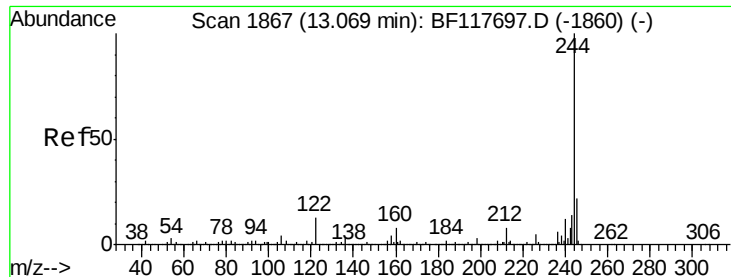


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 66.050 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampleId :

4-B

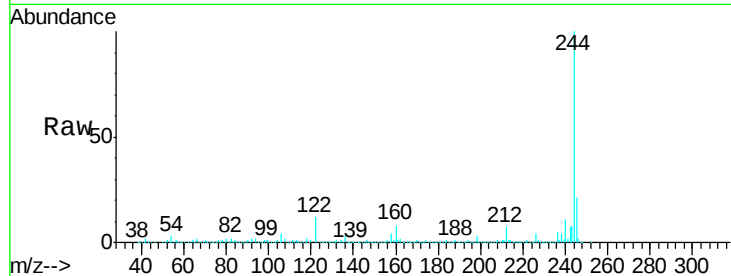
Tgt Ion:244 Resp: 2377757

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

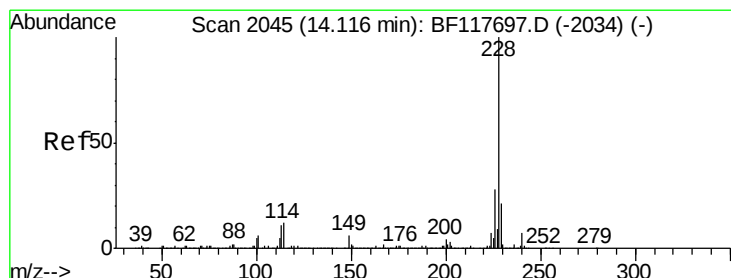
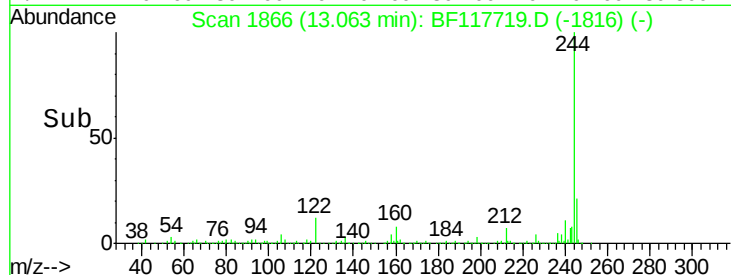
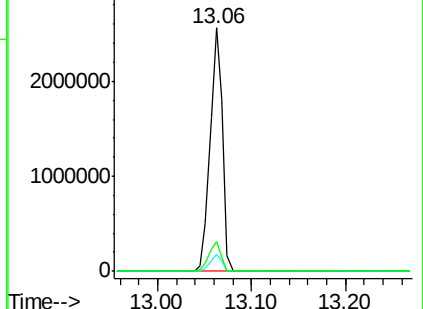
122 12.2 10.0 15.0



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



#81

Benzo(a)anthracene

Concen: 12.526 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

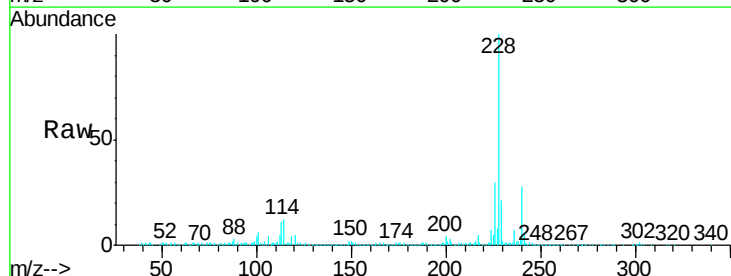
Tgt Ion:228 Resp: 577796

Ion Ratio Lower Upper

228 100

226 30.1 22.8 34.2

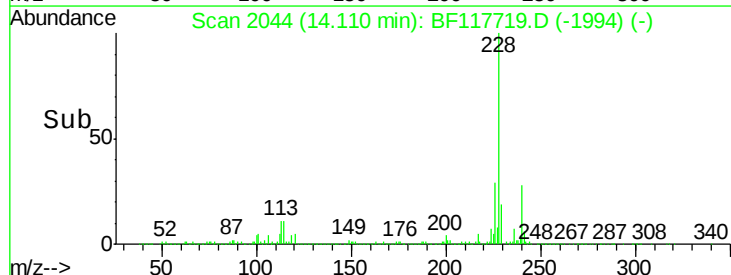
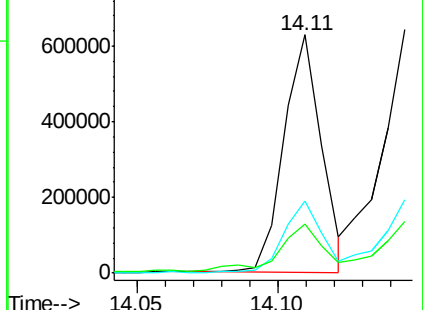
229 20.8 16.9 25.3

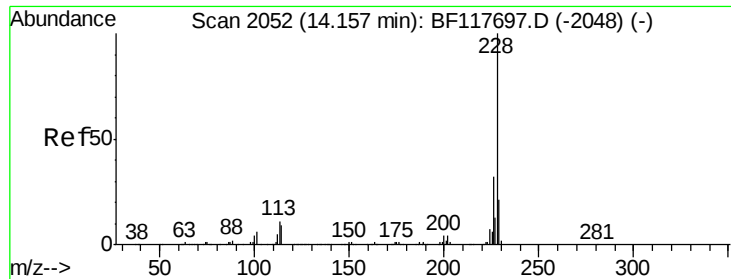


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 13.200 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampleId :

4-B

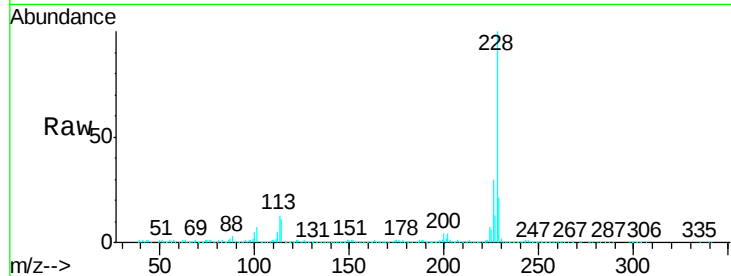
Tgt Ion:228 Resp: 601335

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

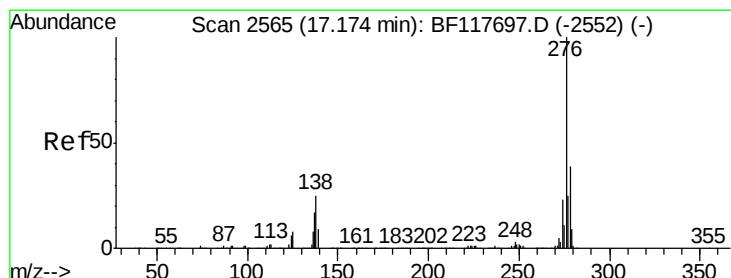
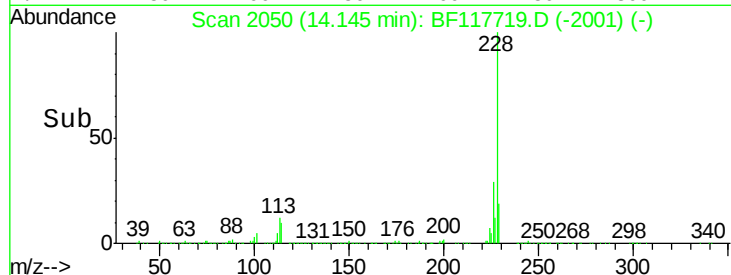
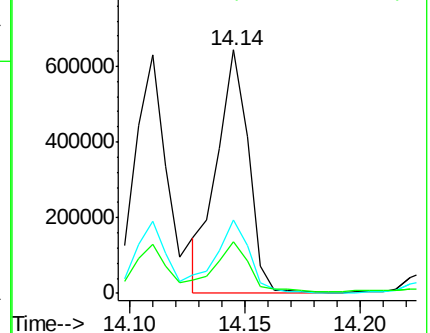
229 21.1 16.6 24.8



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 5.654 ng

RT: 17.16 min Scan# 2562

Delta R.T. -0.02 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

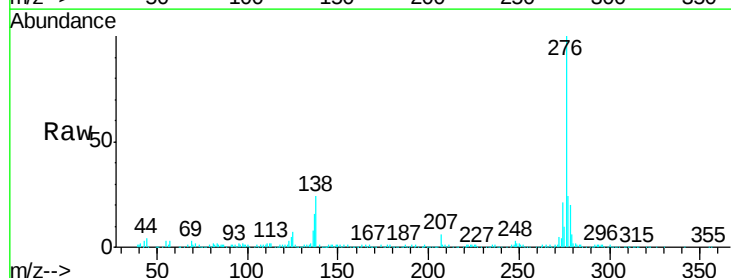
Tgt Ion:276 Resp: 239730

Ion Ratio Lower Upper

276 100

138 24.4 22.4 33.6

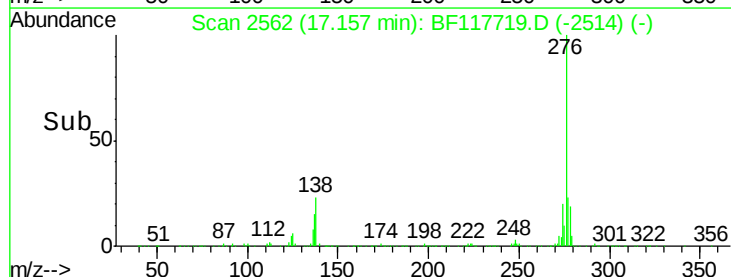
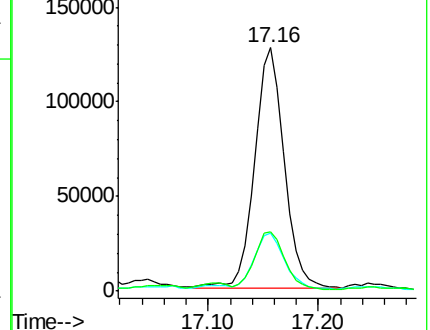
277 24.7 20.6 30.8

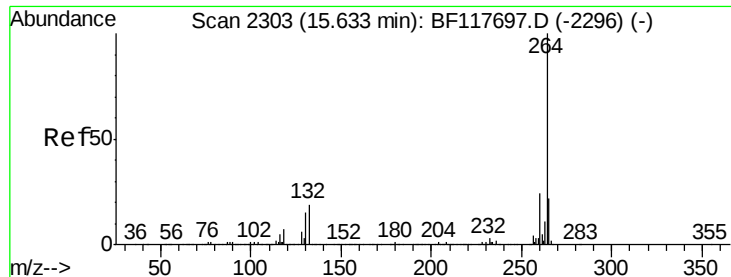


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

Instrument :

BNA_F

ClientSampleId :

4-B

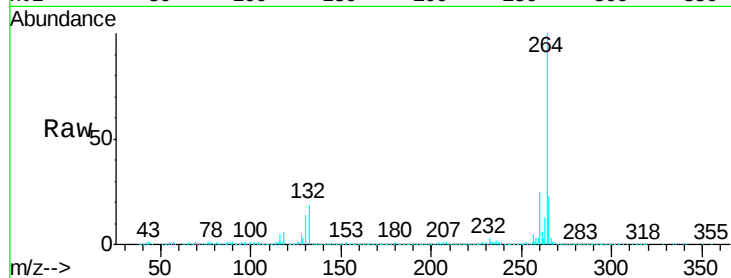
Tgt Ion:264 Resp: 922409

Ion Ratio Lower Upper

264 100

260 24.8 18.8 28.2

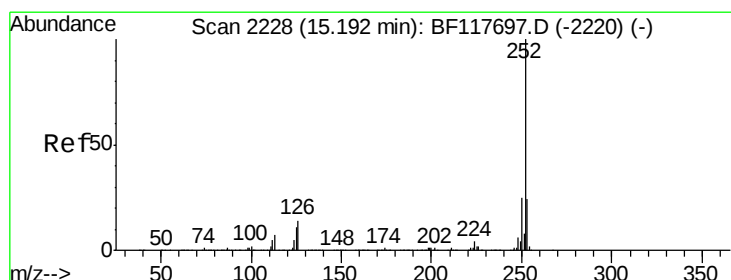
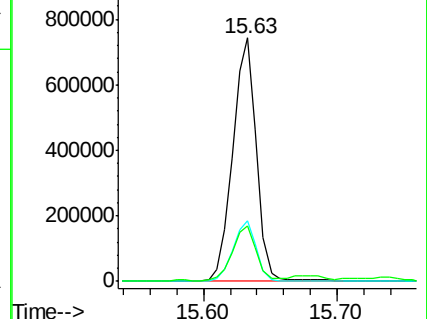
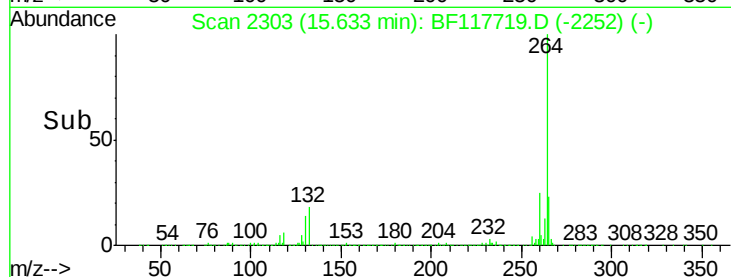
265 23.0 17.7 26.5



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



#88

Benzo(b)fluoranthene

Concen: 13.748 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117719.D

Acq: 7 Nov 2019 21:48

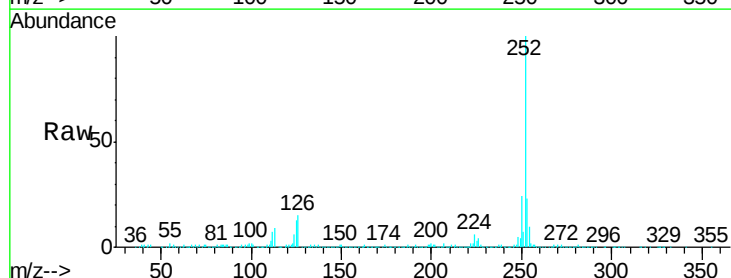
Tgt Ion:252 Resp: 798690

Ion Ratio Lower Upper

252 100

253 22.7 18.9 28.3

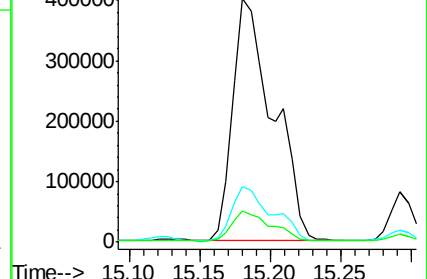
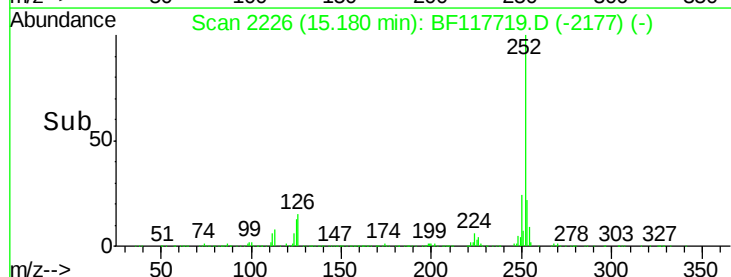
125 12.9 8.5 12.7#

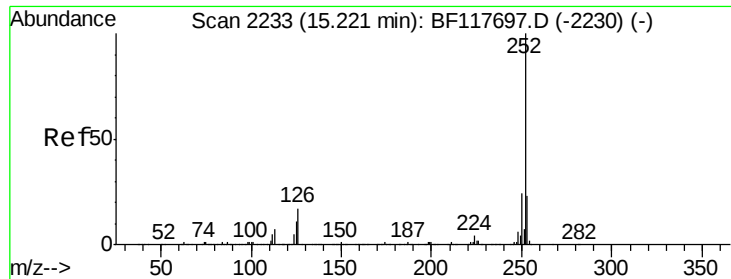


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

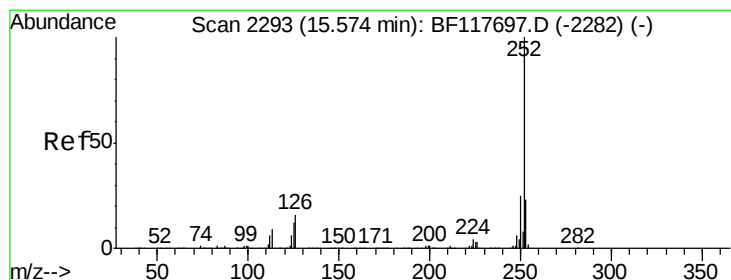
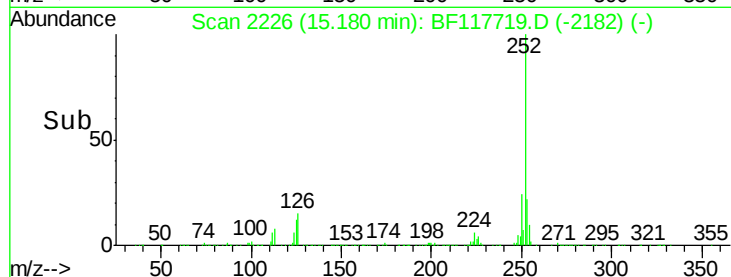
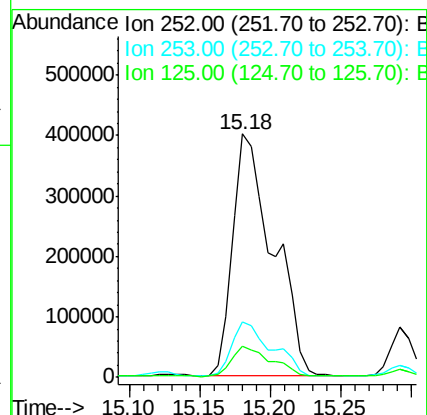
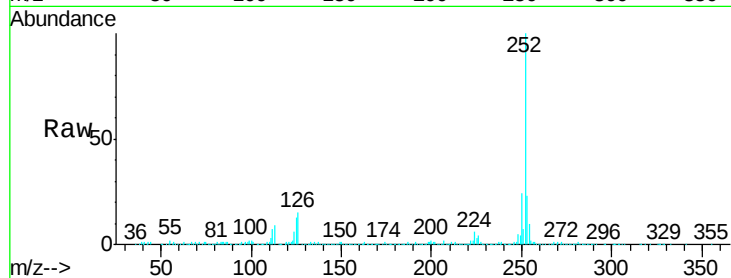




#89
Benzo(k)fluoranthene
Concen: 15.414 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

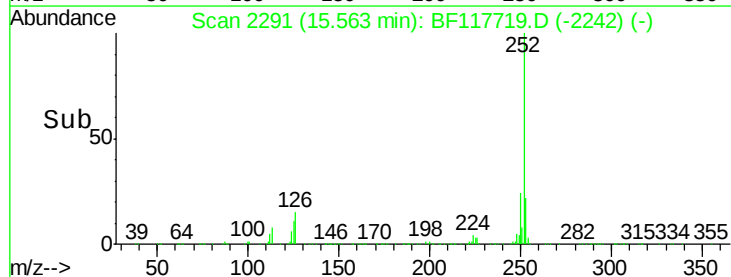
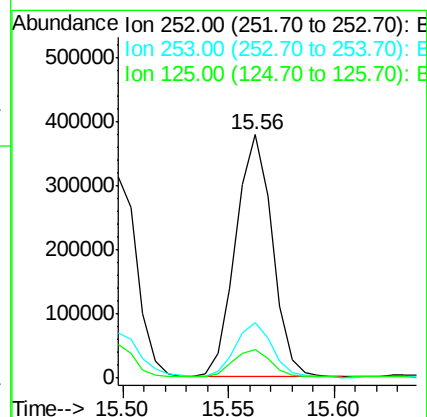
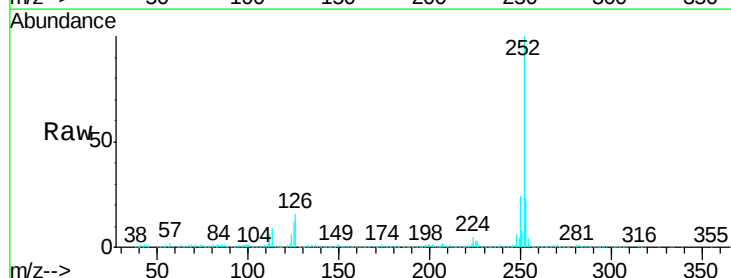
Instrument :
BNA_F
ClientSampleId :
4-B

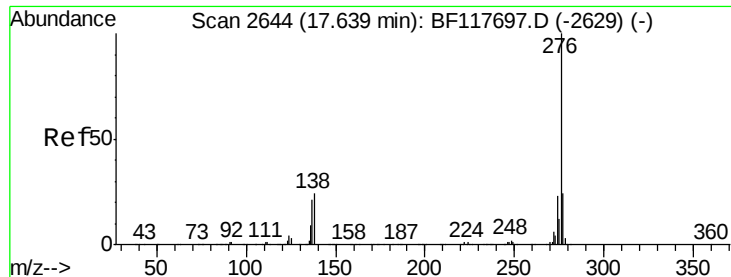
Tgt Ion:252 Resp: 798690
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 12.9 9.1 13.7



#90
Benzo(a)pyrene
Concen: 9.008 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117719.D
Acq: 7 Nov 2019 21:48

Tgt Ion:252 Resp: 453670
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 11.5 9.5 14.3

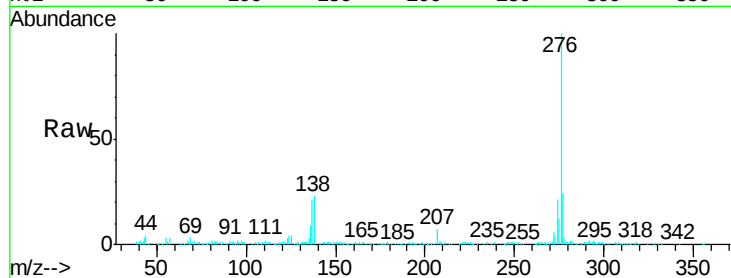




#92
 Benzo(g,h,i)perylene
 Concen: 5.502 ng
 RT: 17.62 min Scan# 2641
 Delta R.T. -0.02 min
 Lab File: BF117719.D
 Acq: 7 Nov 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :
 4-B

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	22.9	19.2	28.8



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

