

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117741.D
 Acq On : 8 Nov 2019 19:50
 Operator : JU
 Sample : K5722-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-A

Quant Time: Nov 09 01:24:54 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	345349	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1351327	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	747926	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1398317	20.00	ng	0.00
76) Chrysene-d12	14.12	240	838104	20.00	ng	-0.01
87) Perylene-d12	15.62	264	844084	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1714226	89.85	ng	0.00
7) Phenol-d6	6.55	99	2224139	94.55	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1353644	59.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	676993	92.53	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2311210	60.97	ng	-0.01
79) Terphenyl-d14	13.06	244	2524644	62.01	ng	-0.01

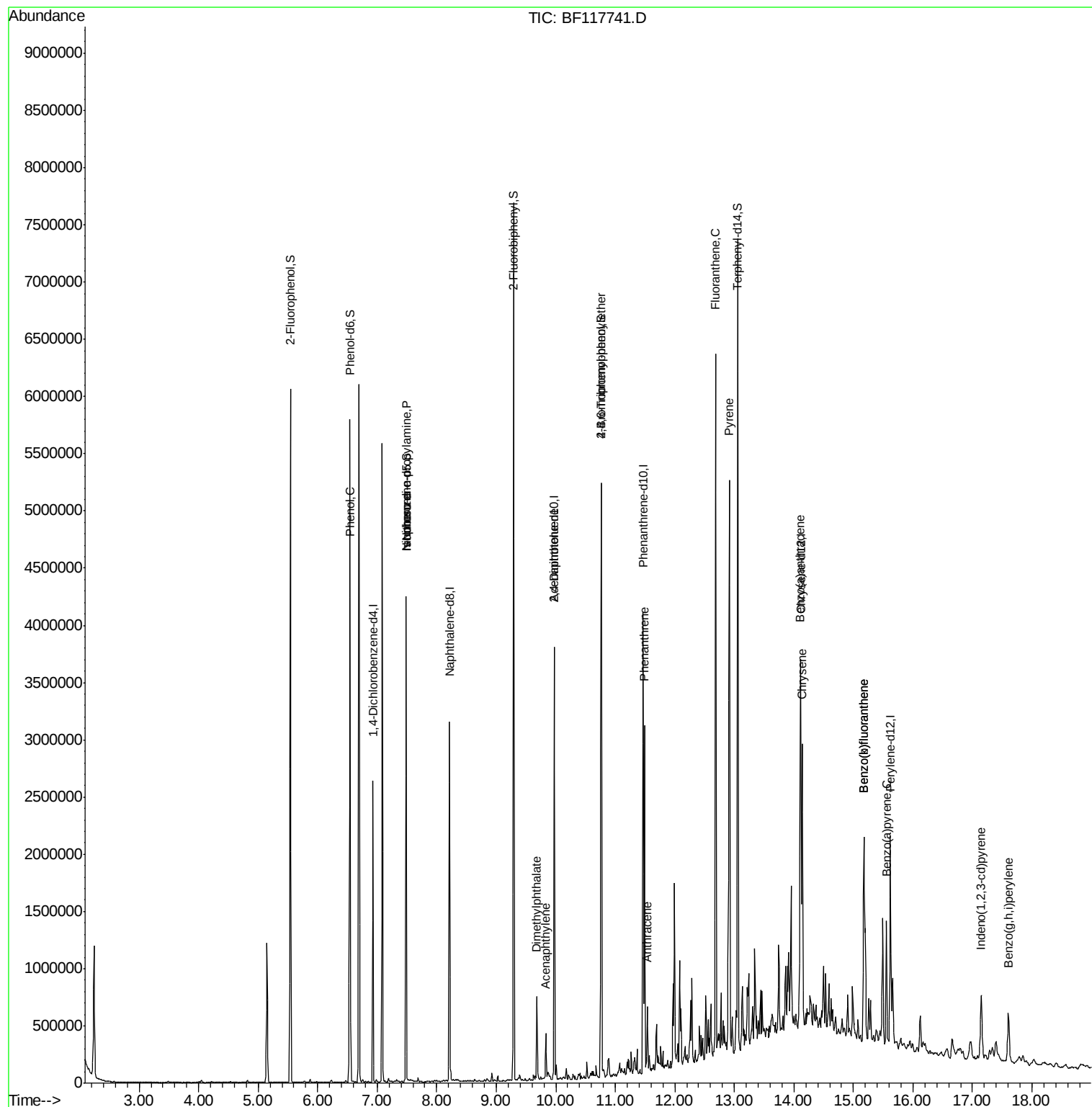
Target Compounds				Qvalue		
10) Phenol	6.56	94	66520	2.624	ng	96
19) n-Nitroso-di-n-propylamine	7.49	70	187443	12.118	ng	# 77
25) Isophorone	7.49	82	1349083	30.817	ng	# 62
49) Acenaphthylene	9.83	152	142648	2.253	ng	97
50) Dimethylphthalate	9.68	163	283958	5.616	ng	98
57) 2,4-Dinitrotoluene	9.97	165	100482	6.918	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	43823	2.870	ng	# 1
71) Phenanthrene	11.49	178	1026372	15.314	ng	96
72) Anthracene	11.54	178	187034	2.805	ng	95
75) Fluoranthene	12.69	202	2446880	35.754	ng	98
78) Pyrene	12.92	202	2125825	34.747	ng	99
81) Benzo(a)anthracene	14.10	228	835161	16.009	ng	96
83) Chrysene	14.14	228	931098	18.073	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	413977	8.633	ng	93
88) Benzo(b)fluoranthene	15.18	252	1408412	26.493	ng	97
89) Benzo(k)fluoranthene	15.18	252	1408412	29.704	ng	99
90) Benzo(a)pyrene	15.56	252	533940	11.586	ng	100
92) Benzo(g,h,i)perylene	17.61	276	367591	9.177	ng	98

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

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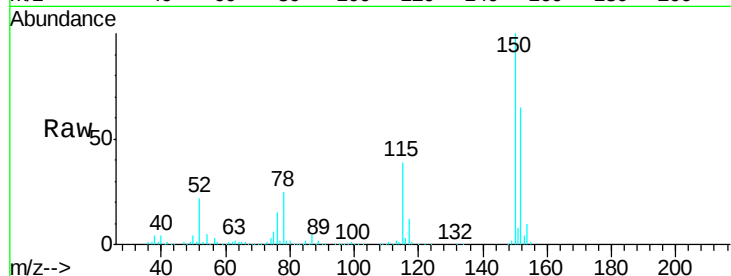


#1

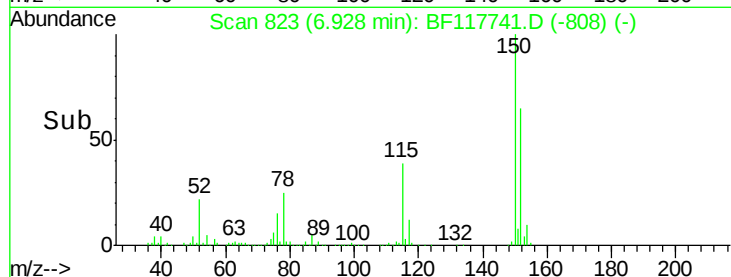
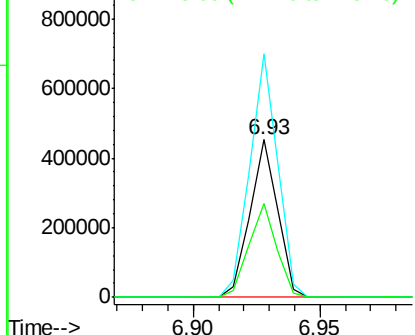
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tgt Ion:152 Resp: 345349
Ion Ratio Lower Upper
152 100
150 154.7 121.4 182.2
115 59.7 46.7 70.1



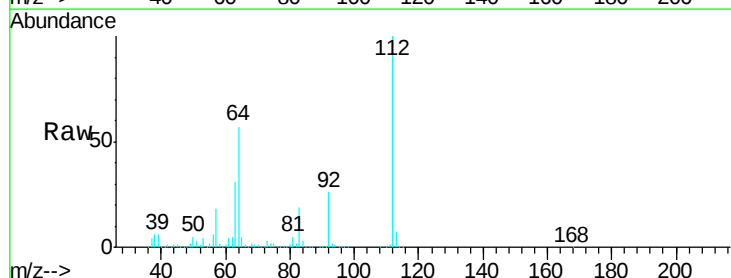
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



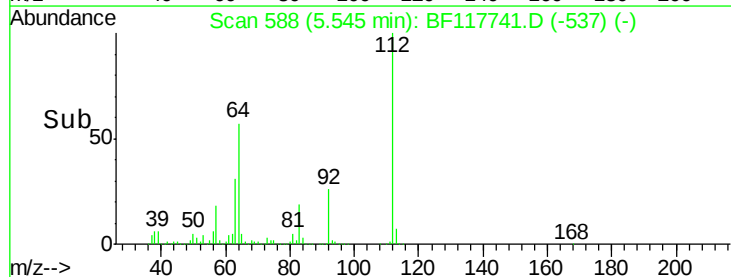
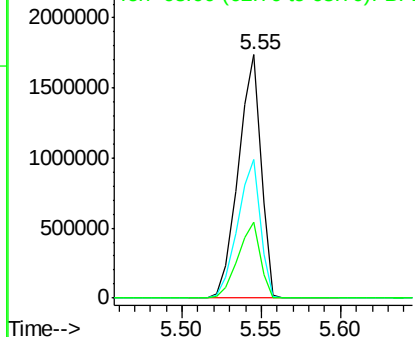
#5

2-Fluorophenol
Concen: 89.851 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion:112 Resp: 1714226
Ion Ratio Lower Upper
112 100
64 56.8 46.4 69.6
63 31.0 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: 94.547 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

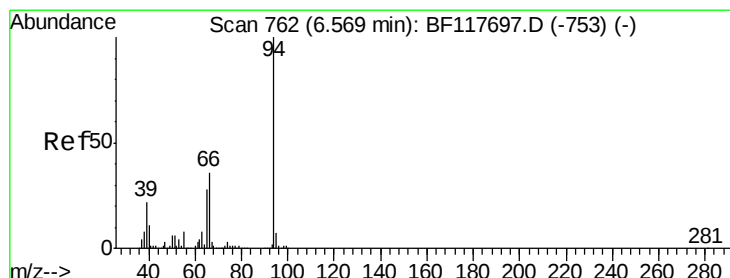
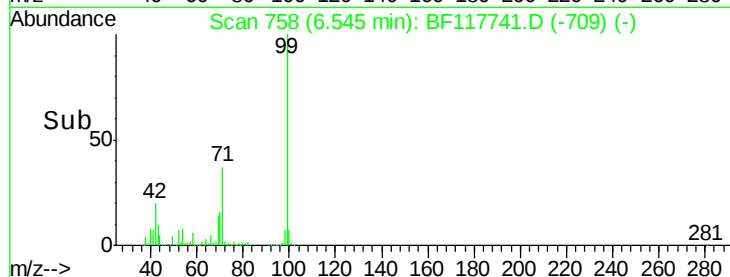
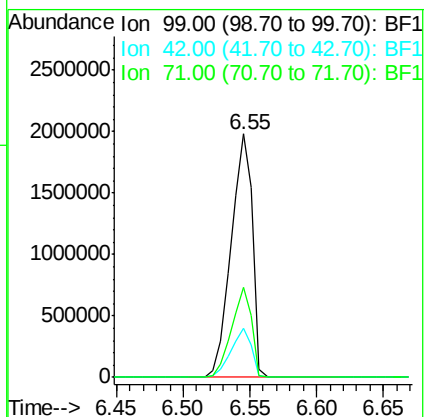
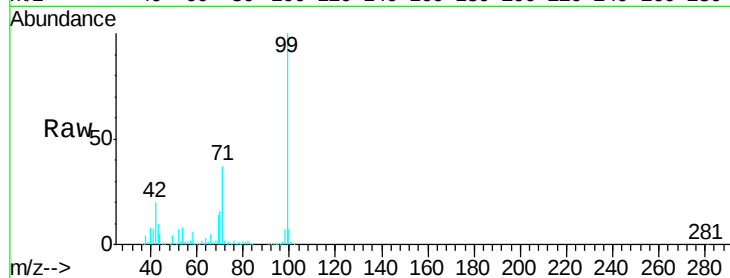
Tgt Ion: 99 Resp: 2224139

Ion Ratio Lower Upper

99 100

42 20.3 15.3 22.9

71 36.7 26.8 40.2



#10

Phenol

Concen: 2.624 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

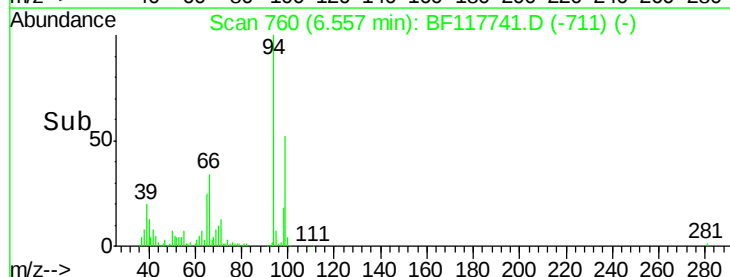
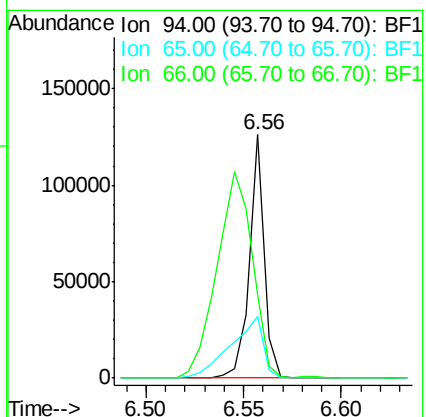
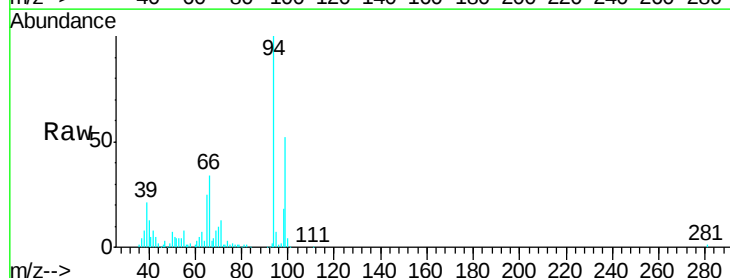
Tgt Ion: 94 Resp: 66520

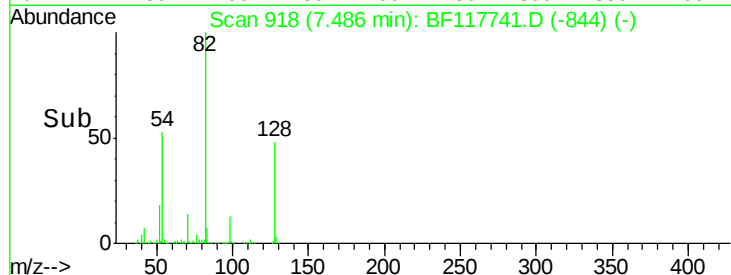
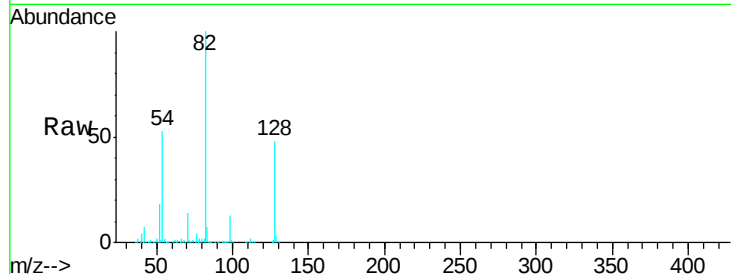
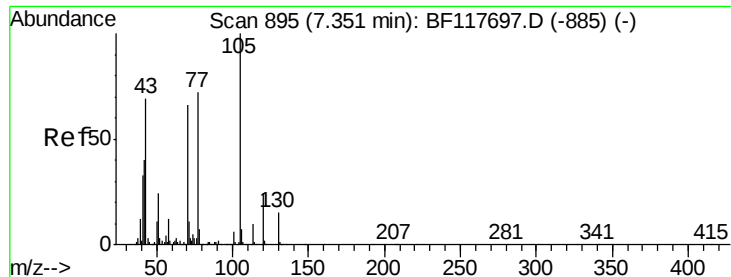
Ion Ratio Lower Upper

94 100

65 25.3 7.6 47.6

66 34.3 16.1 56.1

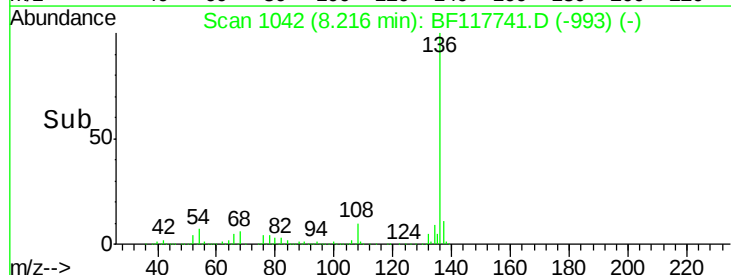
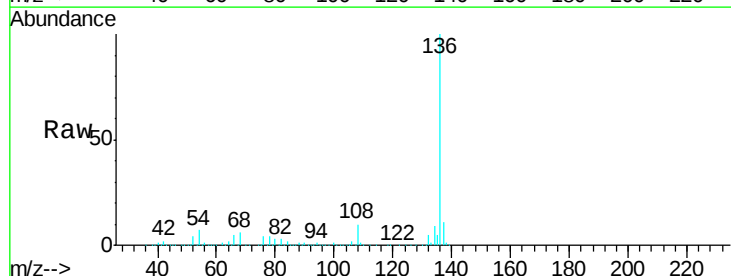
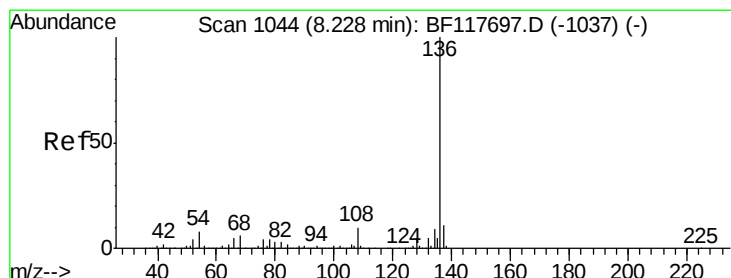
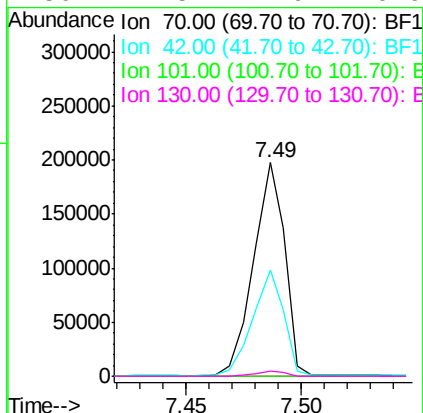




#19
n-Nitroso-di-n-propylamine
Concen: 12.118 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.14 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

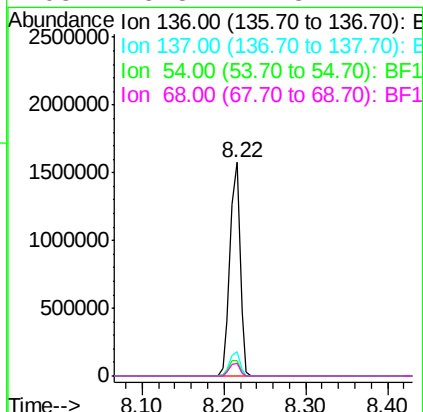
Instrument :
BNA_F
ClientSampleId :
3-A

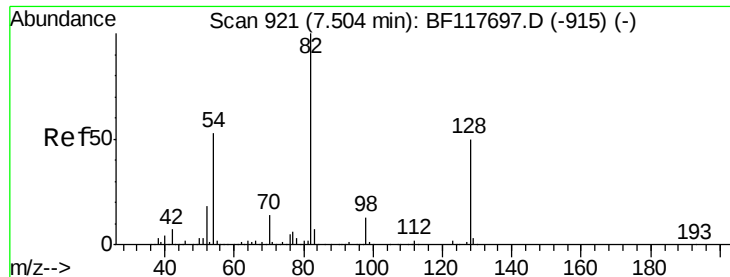
Tgt Ion: 70 Resp: 187443
Ion Ratio Lower Upper
70 100
42 49.7 49.1 73.7
101 0.0 7.8 11.8#
130 2.5 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion: 136 Resp: 1351327
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 7.4 6.0 9.0
68 5.8 4.8 7.2

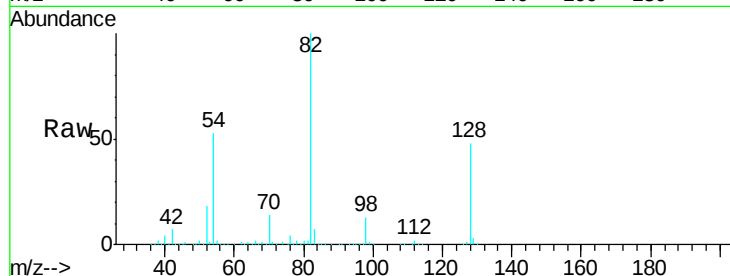




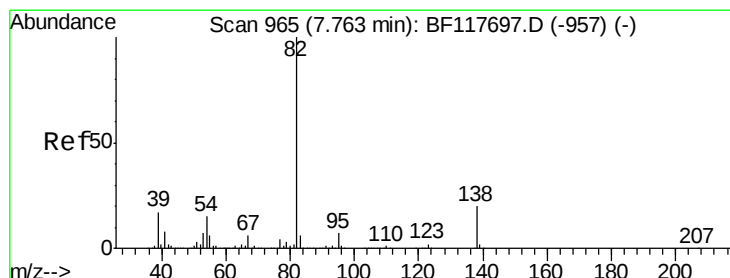
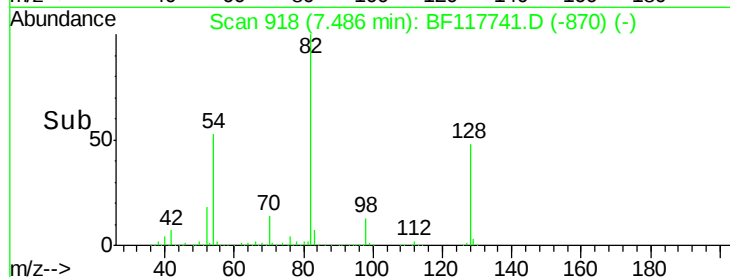
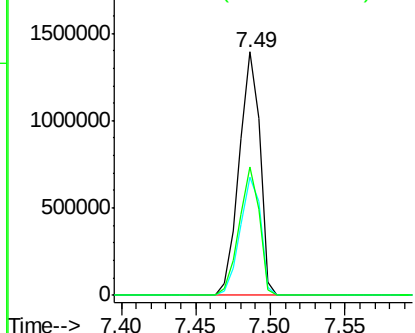
#23
Nitrobenzene-d5
Concen: 59.140 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampleId :
3-A

Tgt Ion: 82 Resp: 1353644
Ion Ratio Lower Upper
82 100
128 48.5 40.2 60.2
54 52.8 42.0 63.0

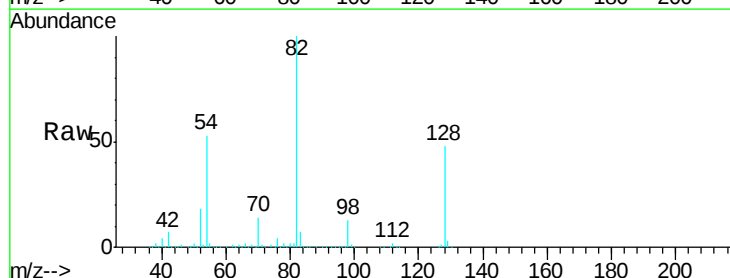


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

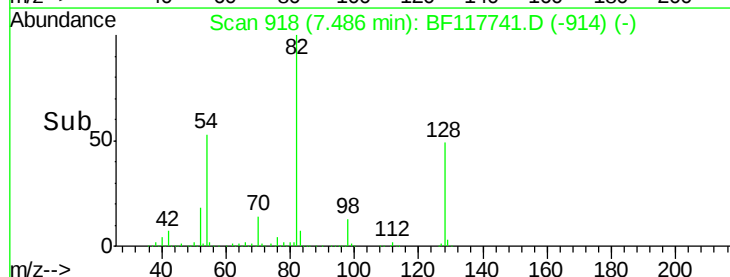
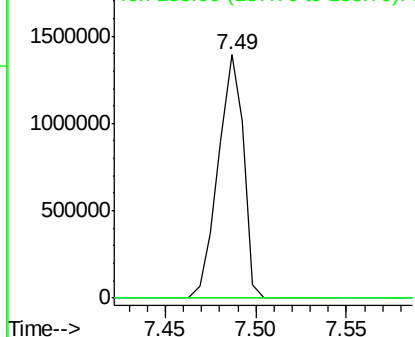


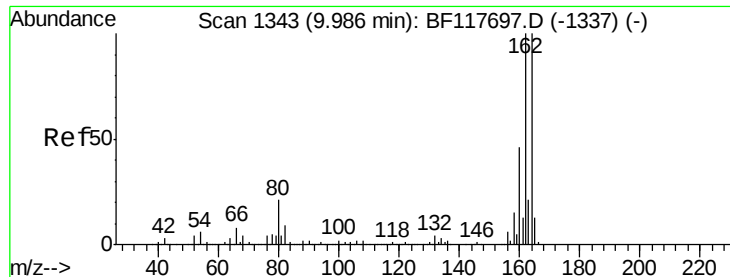
#25
Isophorone
Concen: 30.817 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.28 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion: 82 Resp: 1349083
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

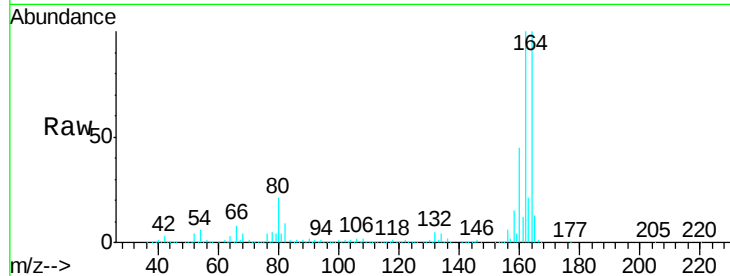




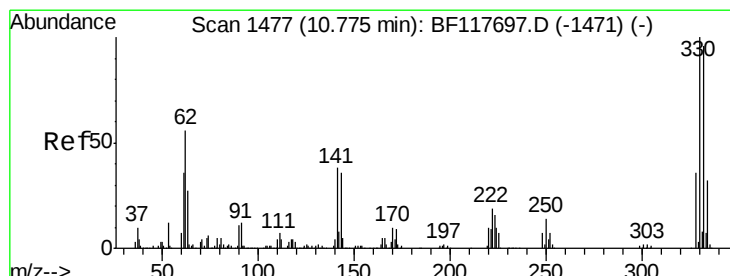
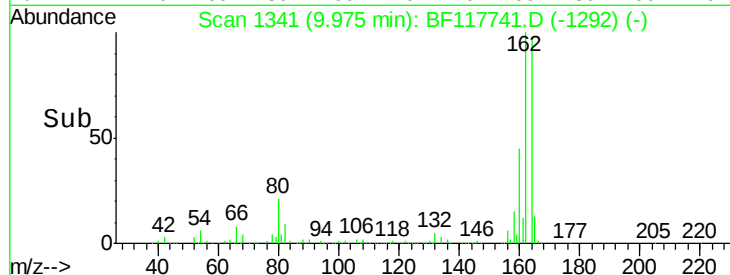
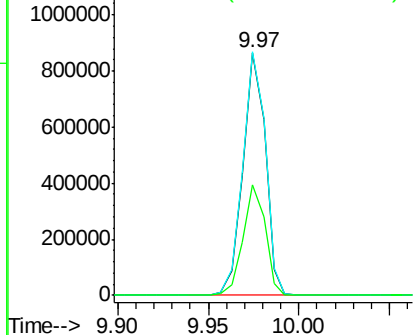
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Instrument :
BNA_F
ClientSampled :
3-A

Tgt Ion:164 Resp: 747926
Ion Ratio Lower Upper
164 100
162 100.2 79.7 119.5
160 45.3 36.5 54.7

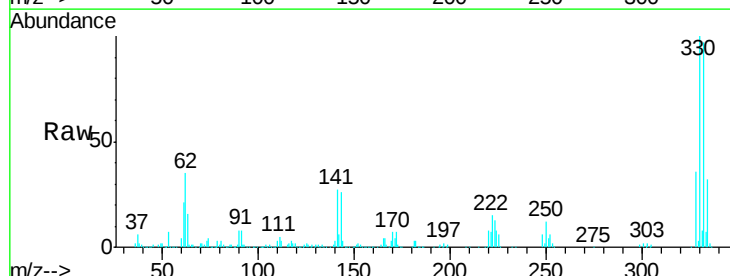


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

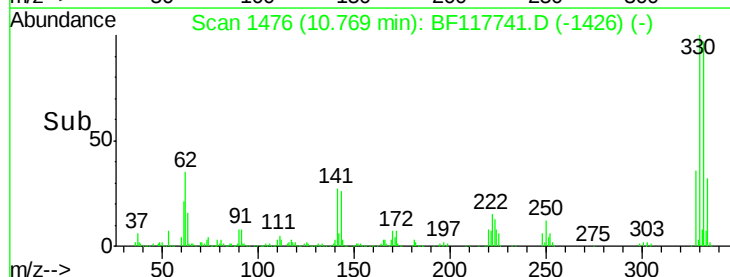
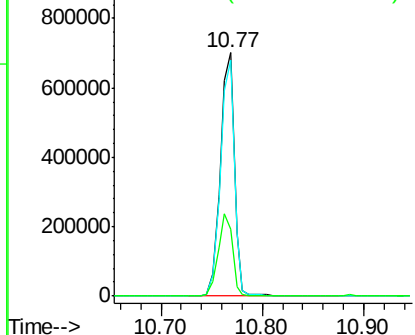


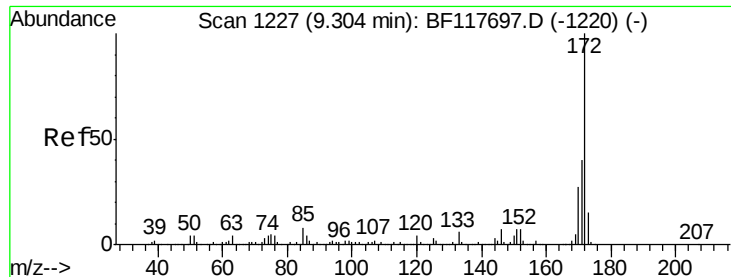
#42
2,4,6-Tribromophenol
Concen: 92.531 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion:330 Resp: 676993
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 33.8 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

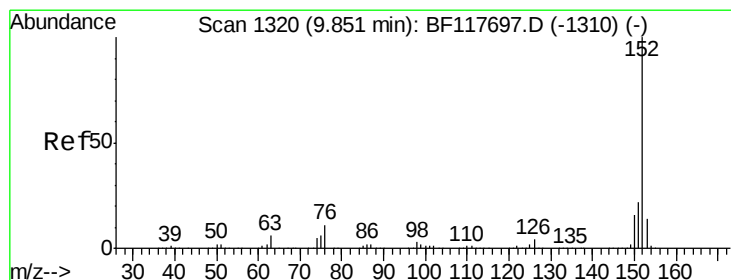
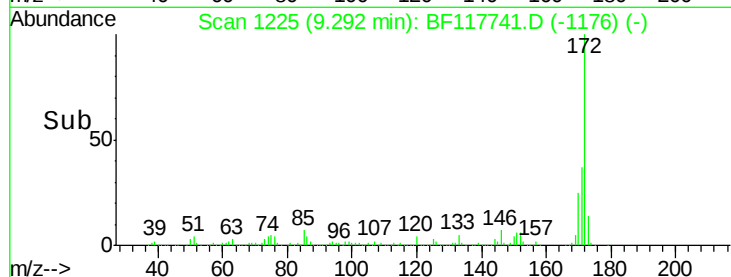
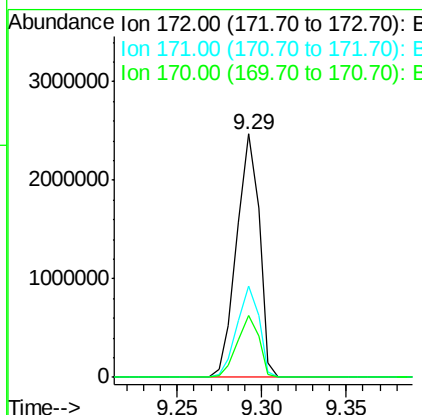
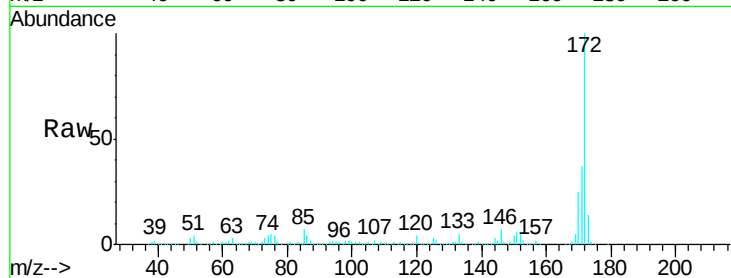




#45
2-Fluorobiphenyl
Concen: 60.969 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

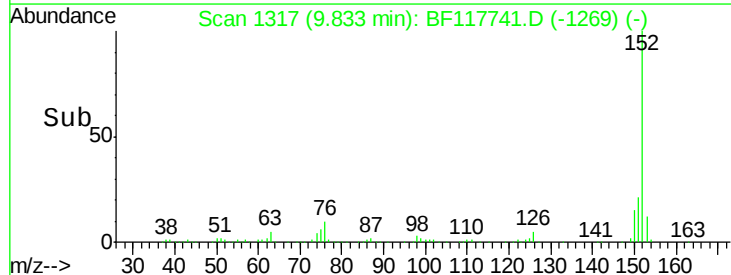
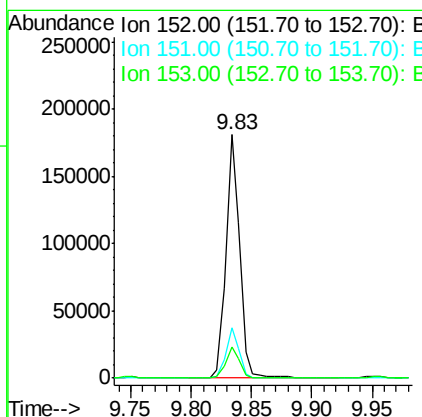
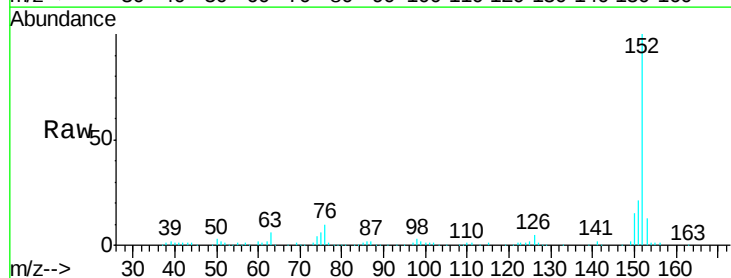
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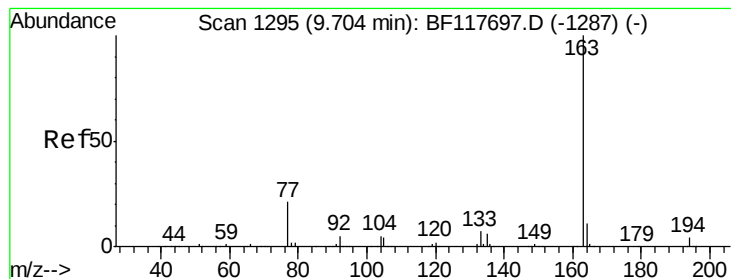
Tgt Ion:172 Resp: 2311210
Ion Ratio Lower Upper
172 100
171 37.4 31.8 47.8
170 25.2 21.6 32.4



#49
Acenaphthylene
Concen: 2.253 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion:152 Resp: 142648
Ion Ratio Lower Upper
152 100
151 20.8 17.8 26.6
153 12.7 11.5 17.3





#50

Dimethylphthalate

Concen: 5.616 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.02 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

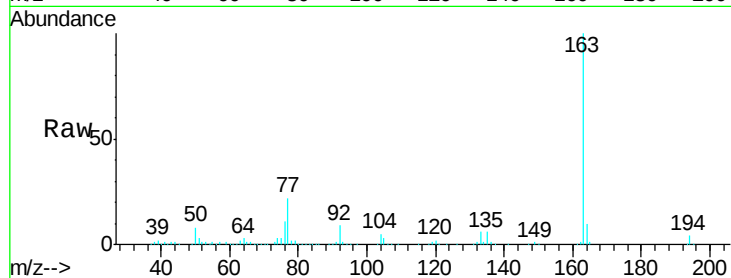
Tgt Ion:163 Resp: 283958

Ion Ratio Lower Upper

163 100

194 3.6 3.4 5.0

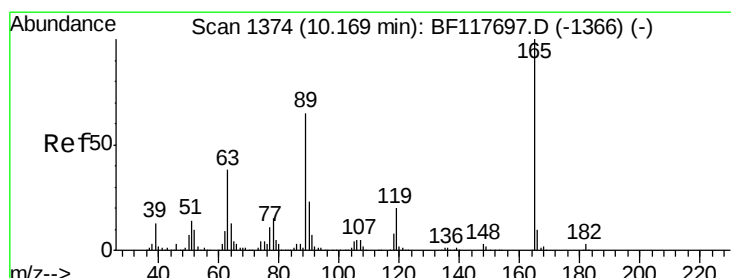
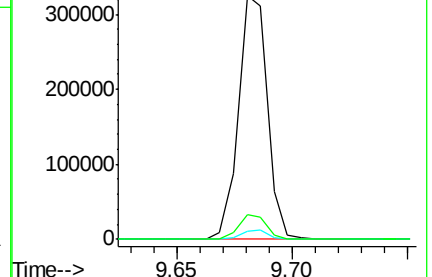
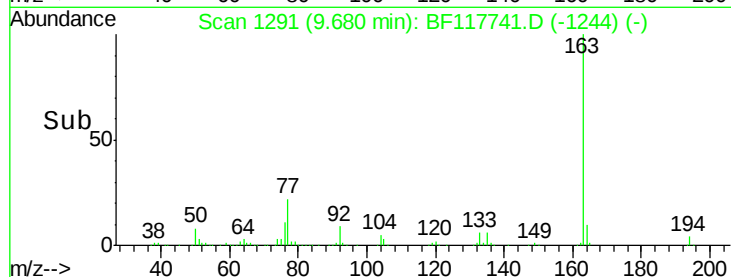
164 10.2 8.9 13.3



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



#57

2,4-Dinitrotoluene

Concen: 6.918 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.19 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Tgt Ion:165 Resp: 100482

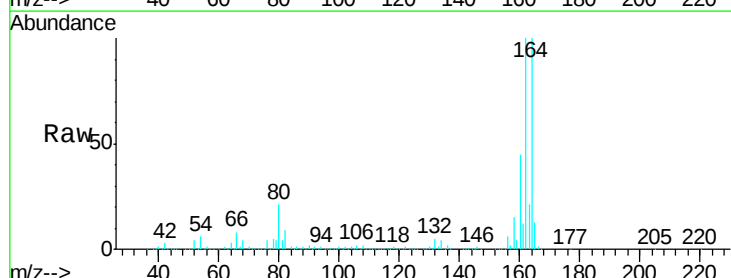
Ion Ratio Lower Upper

165 100

63 1.1 30.4 45.6#

89 1.5 52.2 78.4#

182 0.0 2.3 3.5#

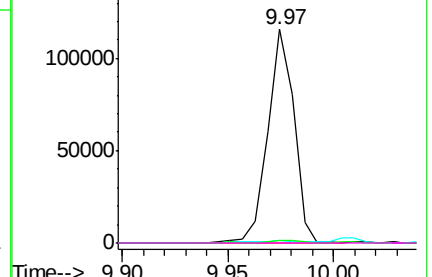
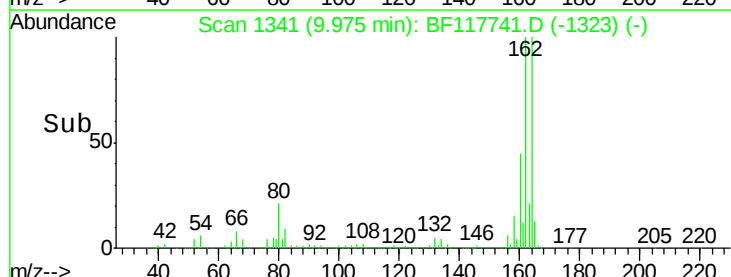


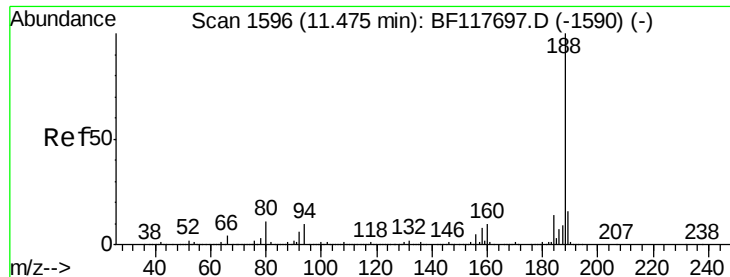
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1595

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

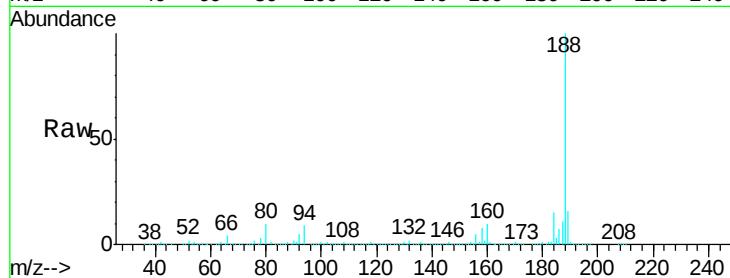
Tgt Ion:188 Resp: 1398317

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.4

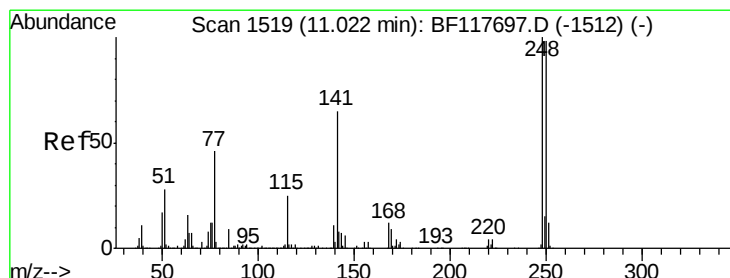
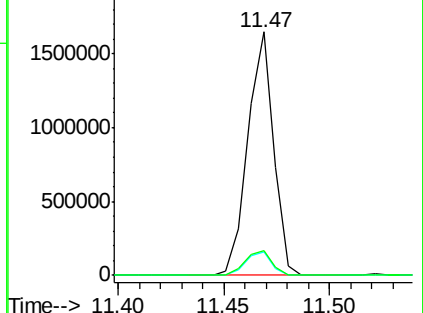
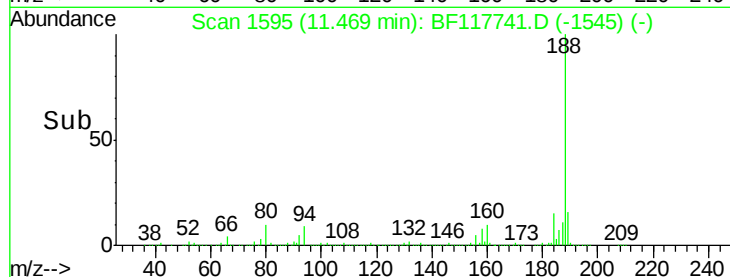
80 10.1 8.6 13.0



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: 2.870 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.25 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

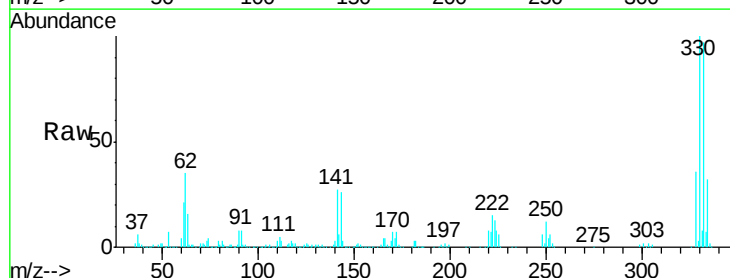
Tgt Ion:248 Resp: 43823

Ion Ratio Lower Upper

248 100

250 199.1 78.7 118.1#

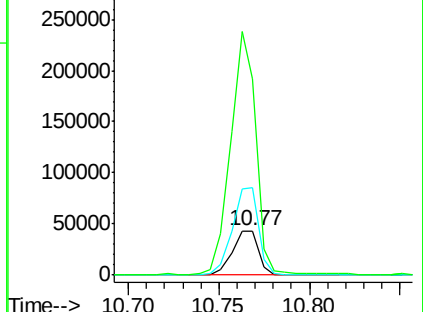
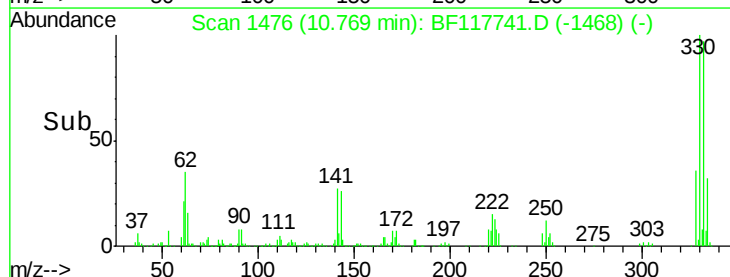
141 442.2 51.8 77.8#

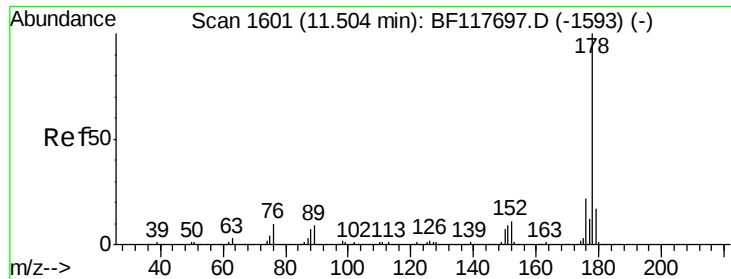


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

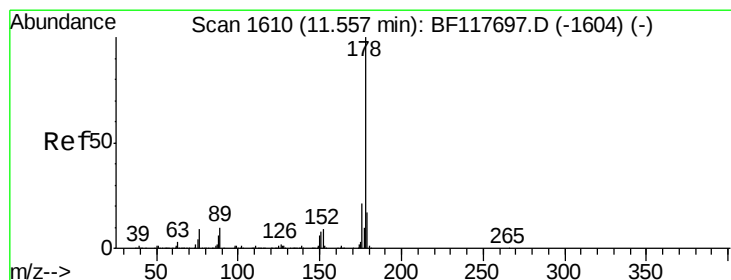
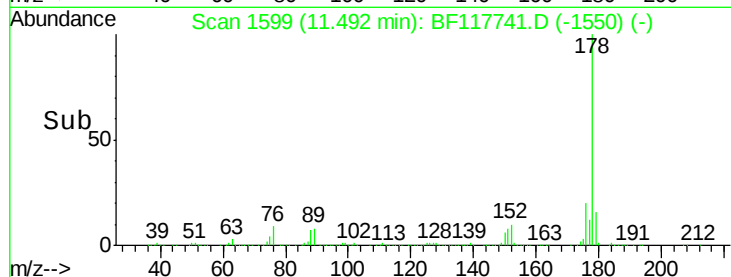
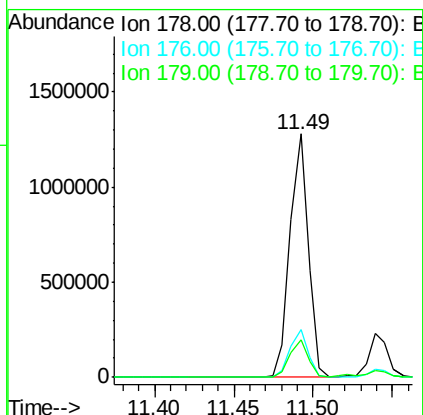
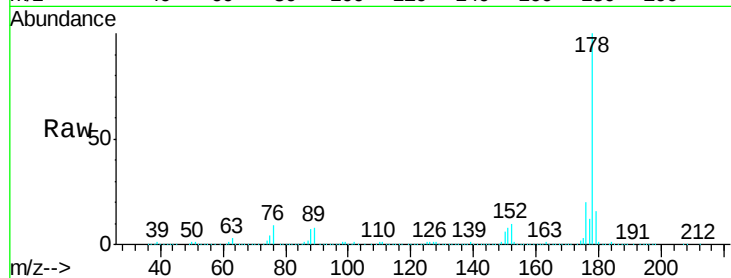




#71
Phenanthrene
Concen: 15.314 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

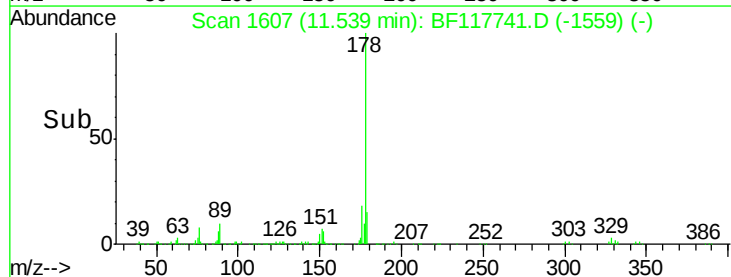
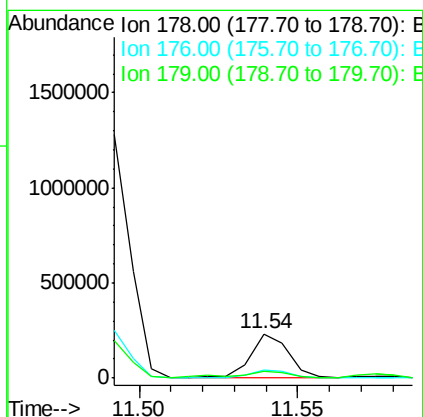
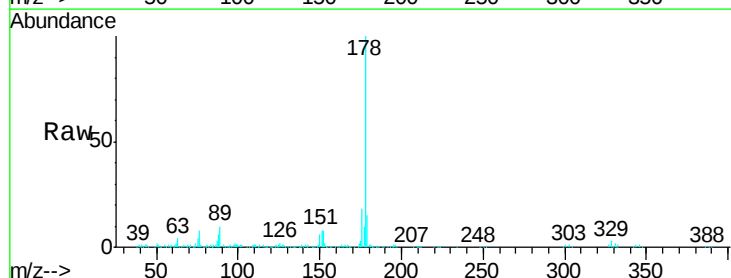
Instrument :
BNA_F
ClientSampleId :
3-A

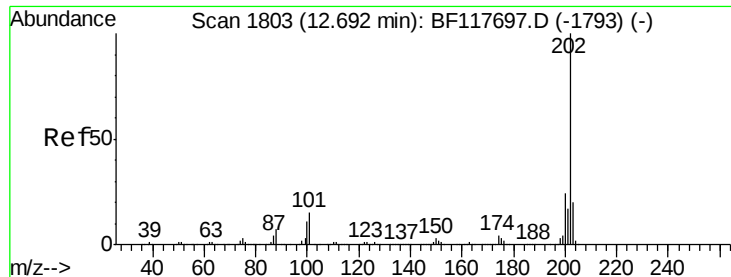
Tgt Ion:178 Resp: 1026372
Ion Ratio Lower Upper
178 100
176 19.8 17.7 26.5
179 15.6 13.8 20.8



#72
Anthracene
Concen: 2.805 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.02 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion:178 Resp: 187034
Ion Ratio Lower Upper
178 100
176 18.1 16.6 25.0
179 15.4 13.5 20.3





#75

Fluoranthene

Concen: 35.754 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

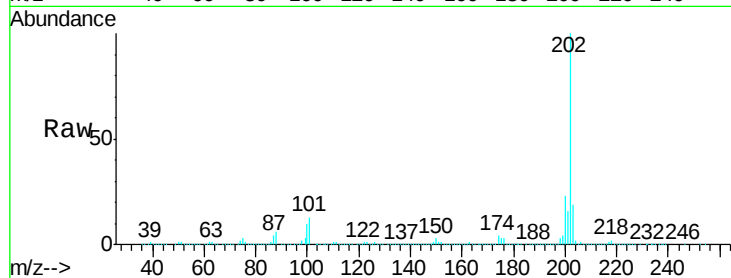
Tgt Ion:202 Resp: 2446880

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.5

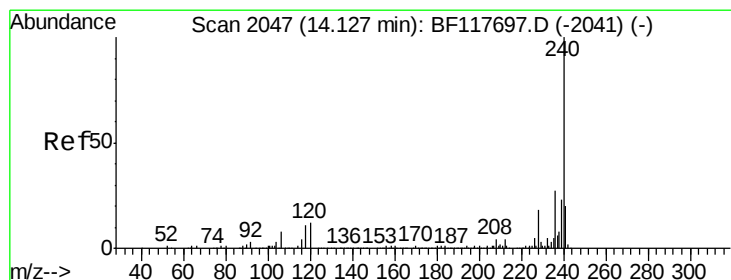
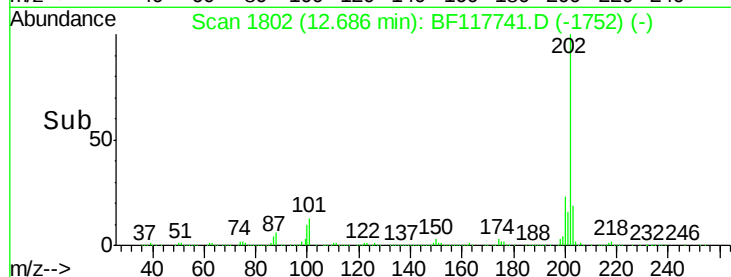
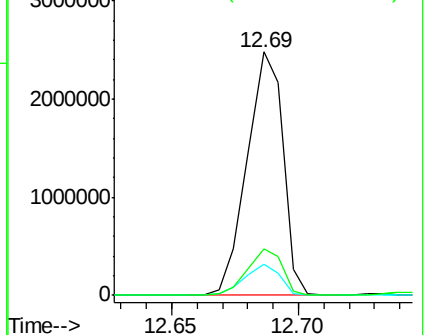
203 19.3 0.0 39.8



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: BF117741.D

Acq: 8 Nov 2019 19:50

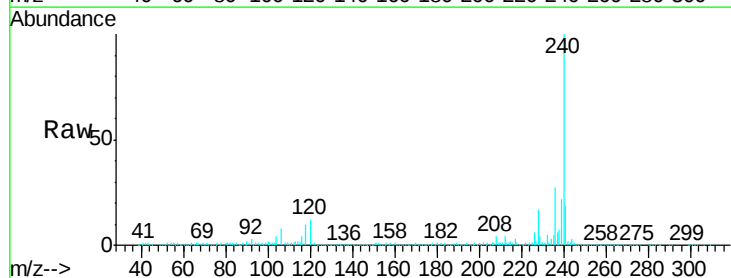
Tgt Ion:240 Resp: 838104

Ion Ratio Lower Upper

240 100

120 11.6 9.7 14.5

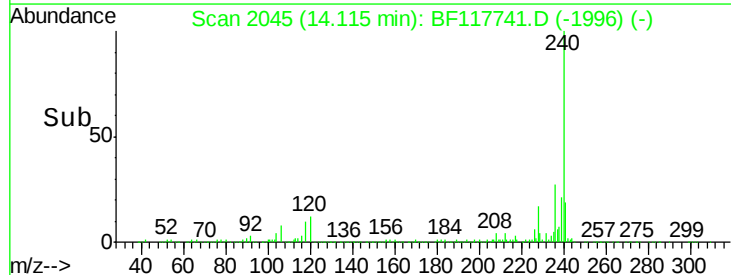
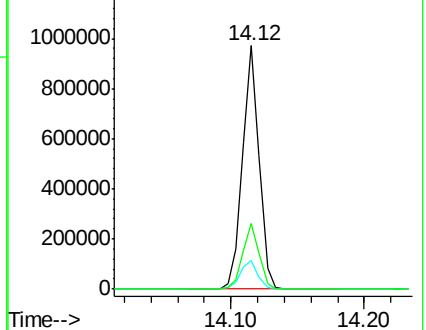
236 26.9 21.9 32.9

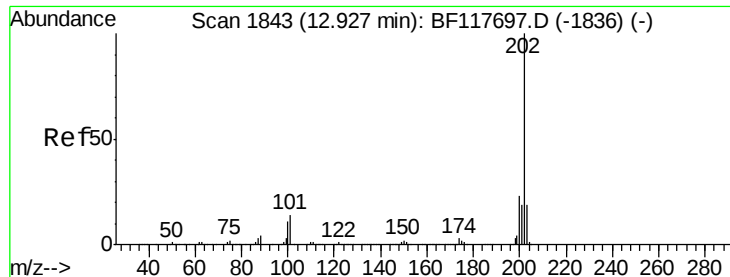


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 34.747 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

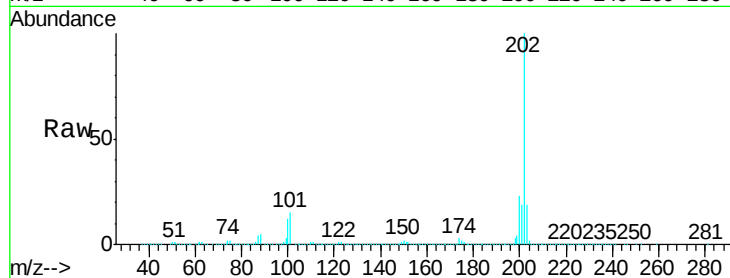
Tgt Ion:202 Resp: 2125825

Ion Ratio Lower Upper

202 100

200 23.1 18.8 28.2

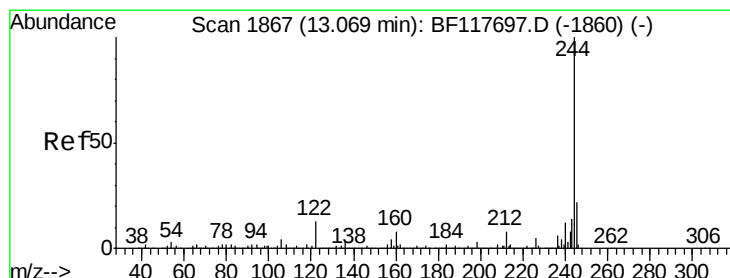
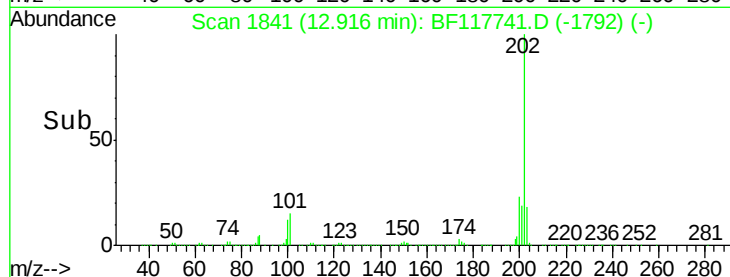
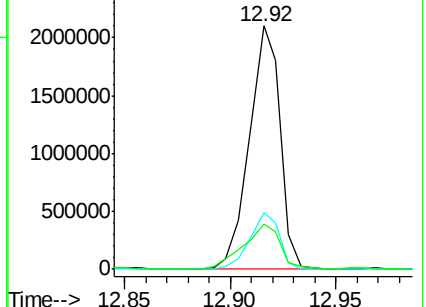
203 18.7 15.2 22.8



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: 62.011 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

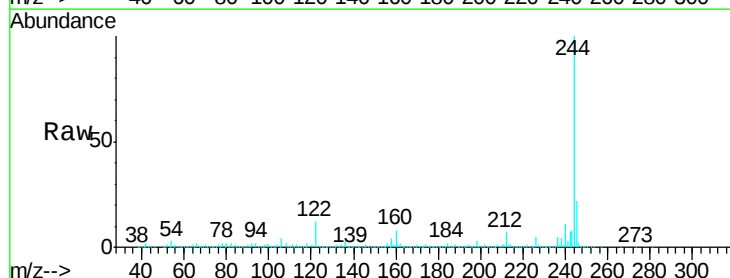
Tgt Ion:244 Resp: 2524644

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

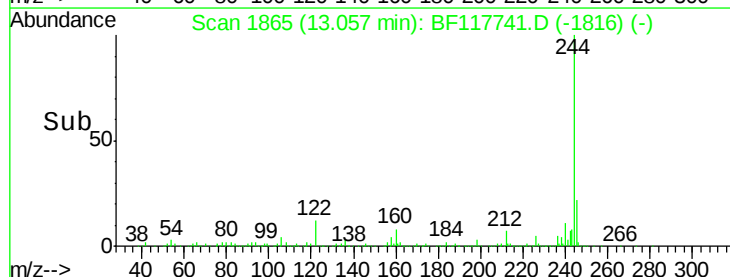
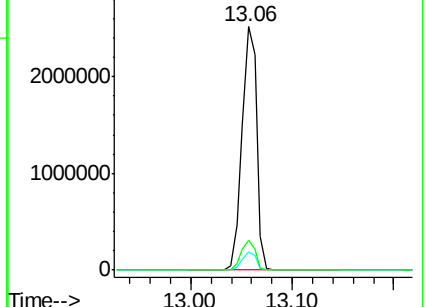
122 12.3 10.0 15.0

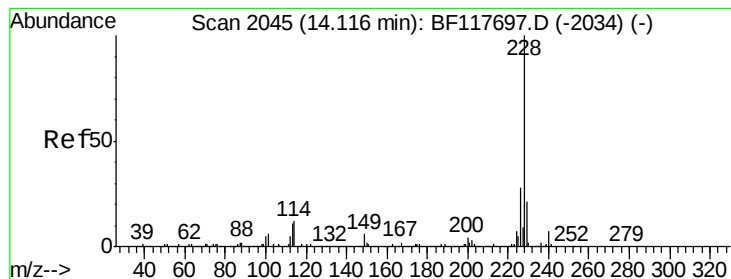


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 16.009 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

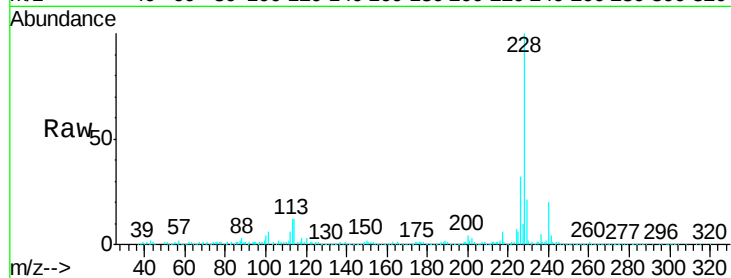
Tgt Ion:228 Resp: 835161

Ion Ratio Lower Upper

228 100

226 31.8 22.8 34.2

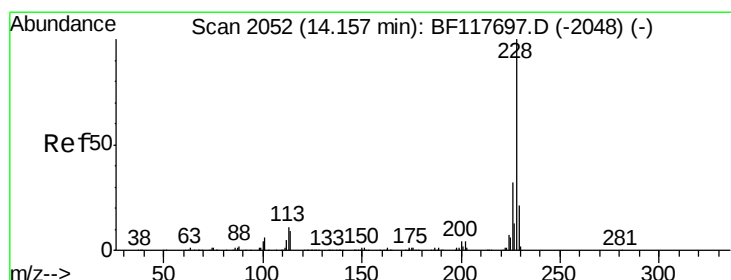
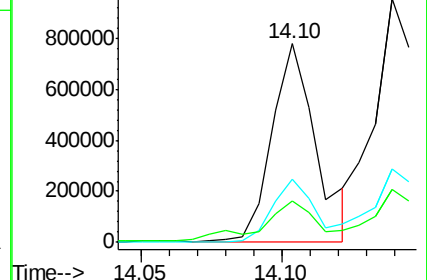
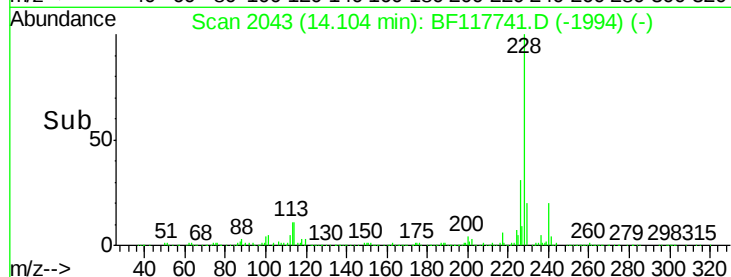
229 21.2 16.9 25.3



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: 18.073 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.02 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

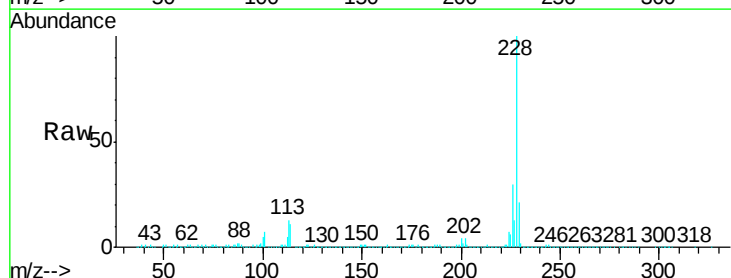
Tgt Ion:228 Resp: 931098

Ion Ratio Lower Upper

228 100

226 30.2 25.4 38.2

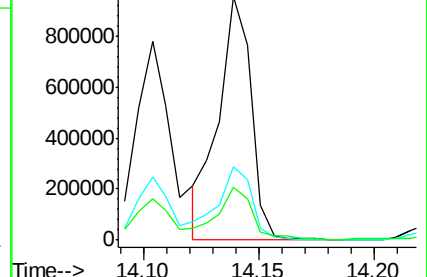
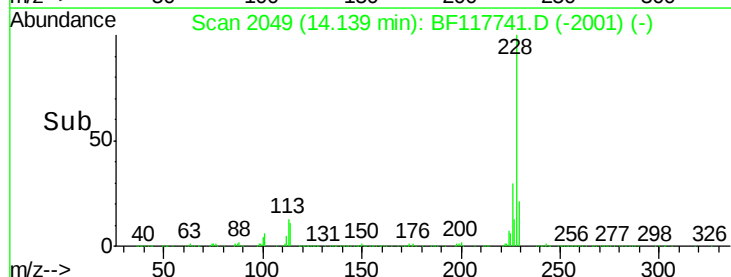
229 21.5 16.6 24.8

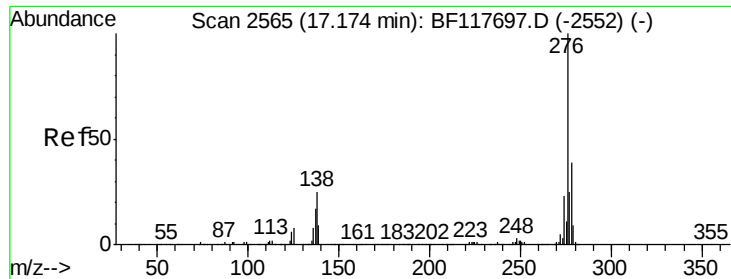


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

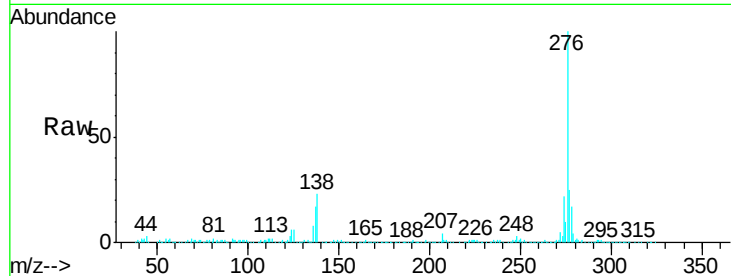




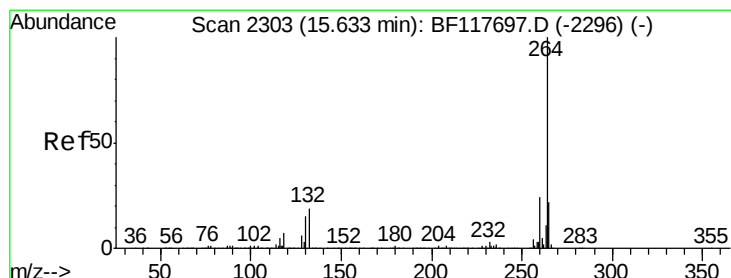
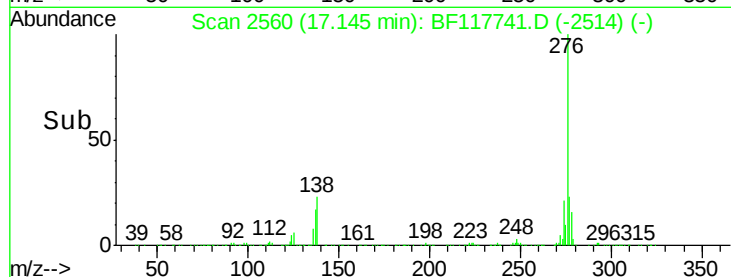
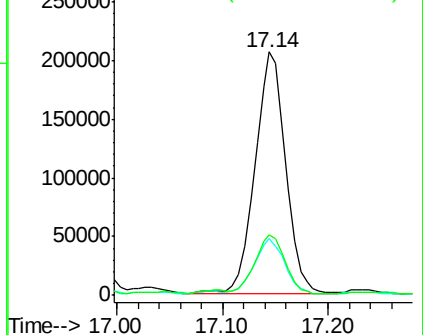
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.633 ng
 RT: 17.14 min Scan# 2560
 Delta R.T. -0.03 min
 Lab File: BF117741.D
 Acq: 8 Nov 2019 19:50

Instrument :
 BNA_F
 ClientSampled :
 3-A

Tgt Ion: 276 Resp: 413977
 Ion Ratio Lower Upper
 276 100
 138 22.6 22.4 33.6
 277 24.4 20.6 30.8

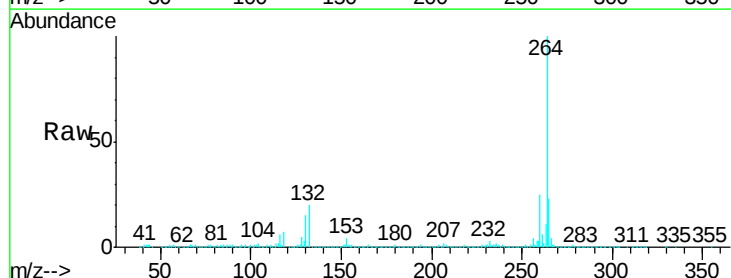


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

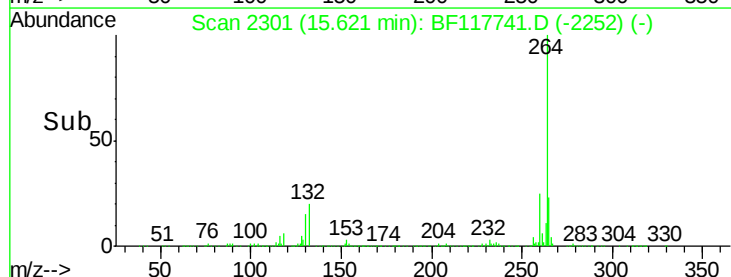
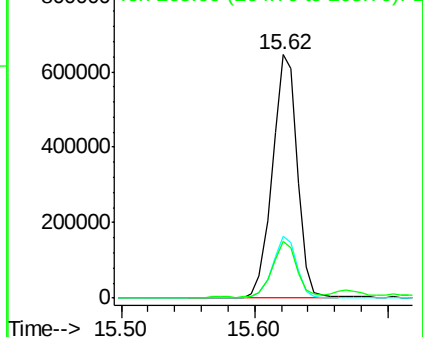


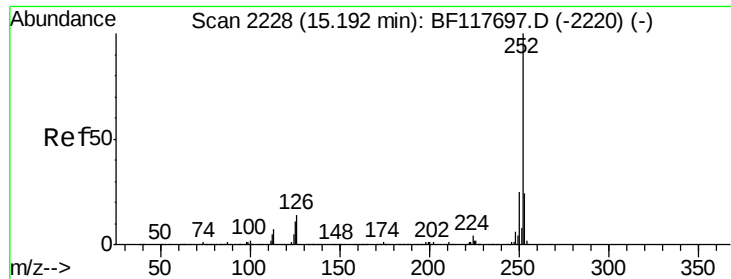
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.62 min Scan# 2301
 Delta R.T. -0.01 min
 Lab File: BF117741.D
 Acq: 8 Nov 2019 19:50

Tgt Ion: 264 Resp: 844084
 Ion Ratio Lower Upper
 264 100
 260 25.2 18.8 28.2
 265 23.2 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

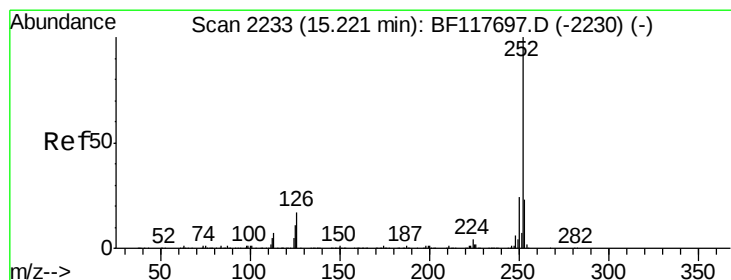
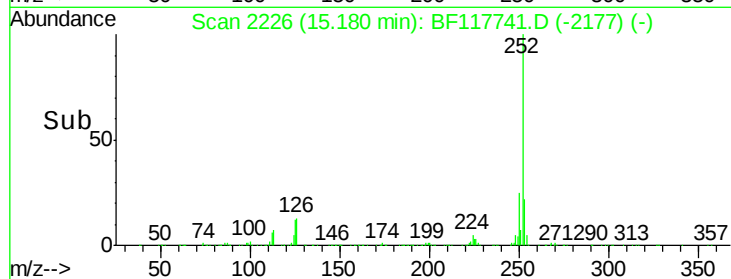
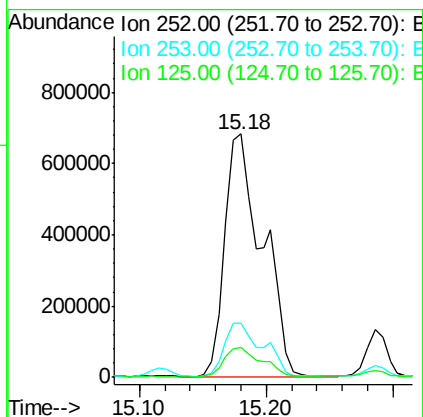
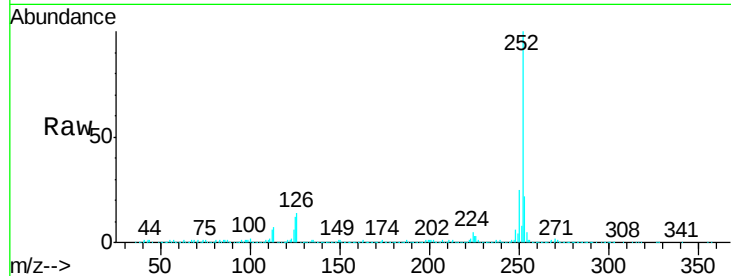




#88
Benzo(b)fluoranthene
Concen: 26.493 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

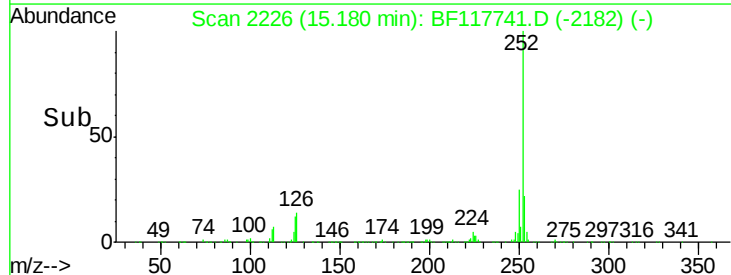
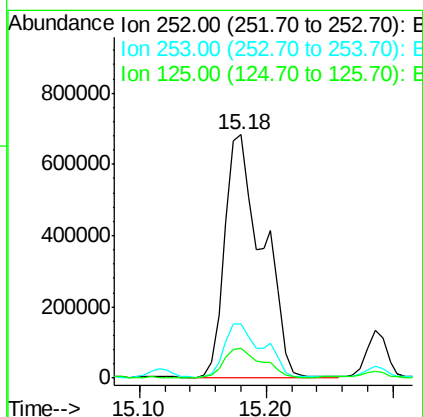
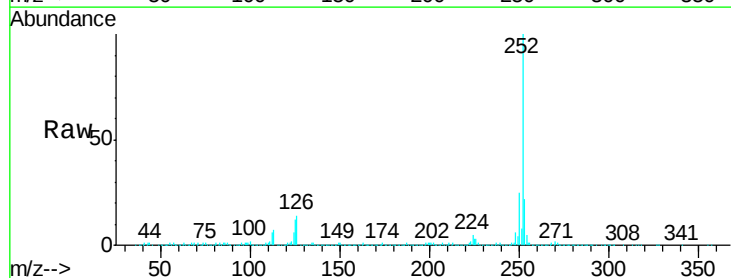
Instrument :
BNA_F
ClientSampleId :
3-A

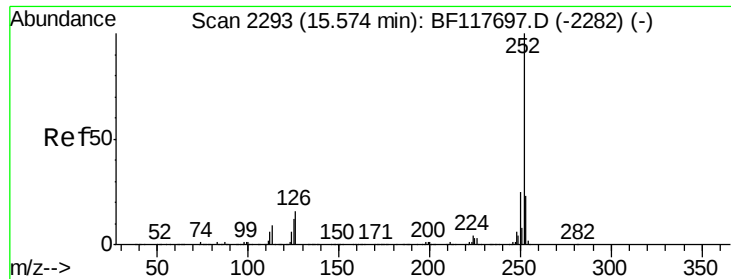
Tgt Ion:252 Resp: 1408412
Ion Ratio Lower Upper
252 100
253 22.5 18.9 28.3
125 12.4 8.5 12.7



#89
Benzo(k)fluoranthene
Concen: 29.704 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117741.D
Acq: 8 Nov 2019 19:50

Tgt Ion:252 Resp: 1408412
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 12.4 9.1 13.7





#90

Benzo(a)pyrene

Concen: 11.586 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

Instrument :

BNA_F

ClientSampleId :

3-A

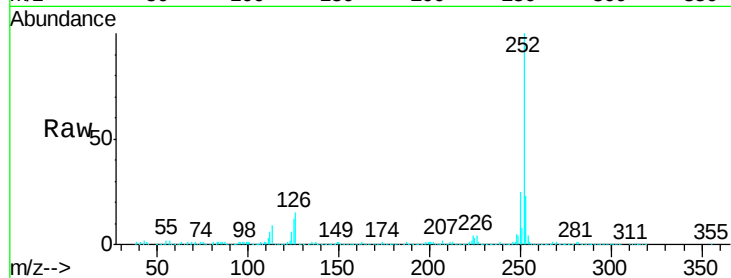
Tgt Ion: 252 Resp: 533940

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

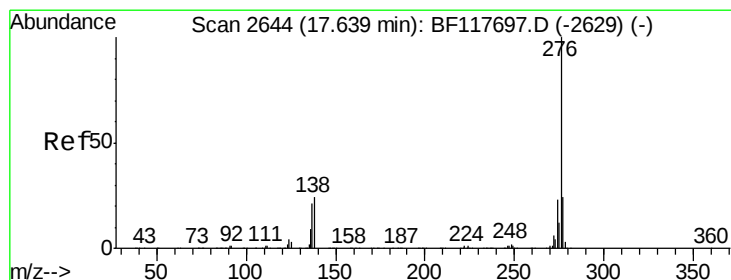
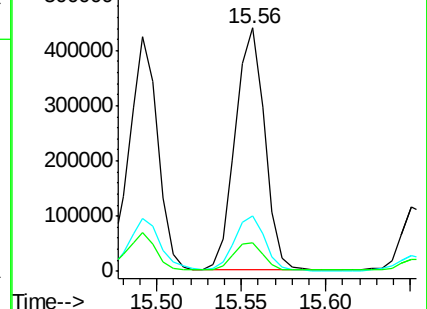
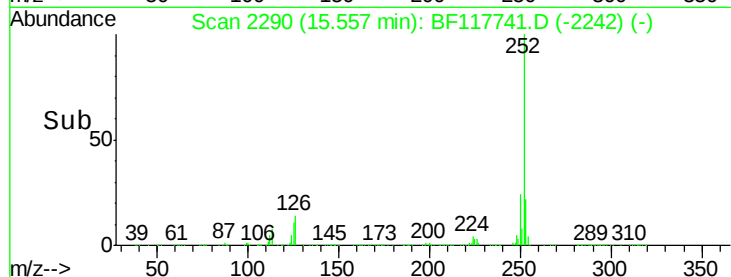
125 11.8 9.5 14.3



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



#92

Benzo(g,h,i)perylene

Concen: 9.177 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BF117741.D

Acq: 8 Nov 2019 19:50

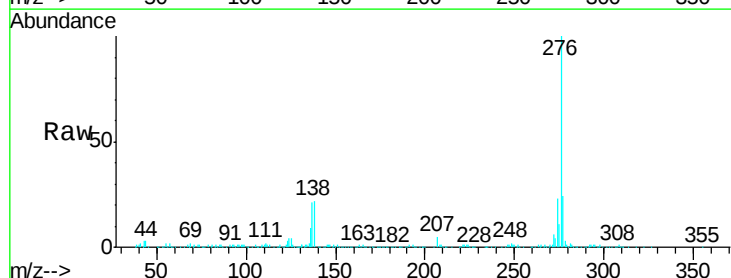
Tgt Ion: 276 Resp: 367591

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.0

138 22.4 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

