

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117735.D
 Acq On : 8 Nov 2019 17:09
 Operator : JU
 Sample : K5722-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-B

Quant Time: Nov 09 01:22:47 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	340086	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1336989	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	734169	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1273120	20.00	ng	0.00
76) Chrysene-d12	14.12	240	785555	20.00	ng	0.00
87) Perylene-d12	15.63	264	805110	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1821924	96.97	ng	0.00
7) Phenol-d6	6.55	99	2356955	101.74	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1438620	63.53	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	706066	98.31	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2479628	66.64	ng	-0.01
79) Terphenyl-d14	13.06	244	2464789	64.59	ng	0.00

Target Compounds

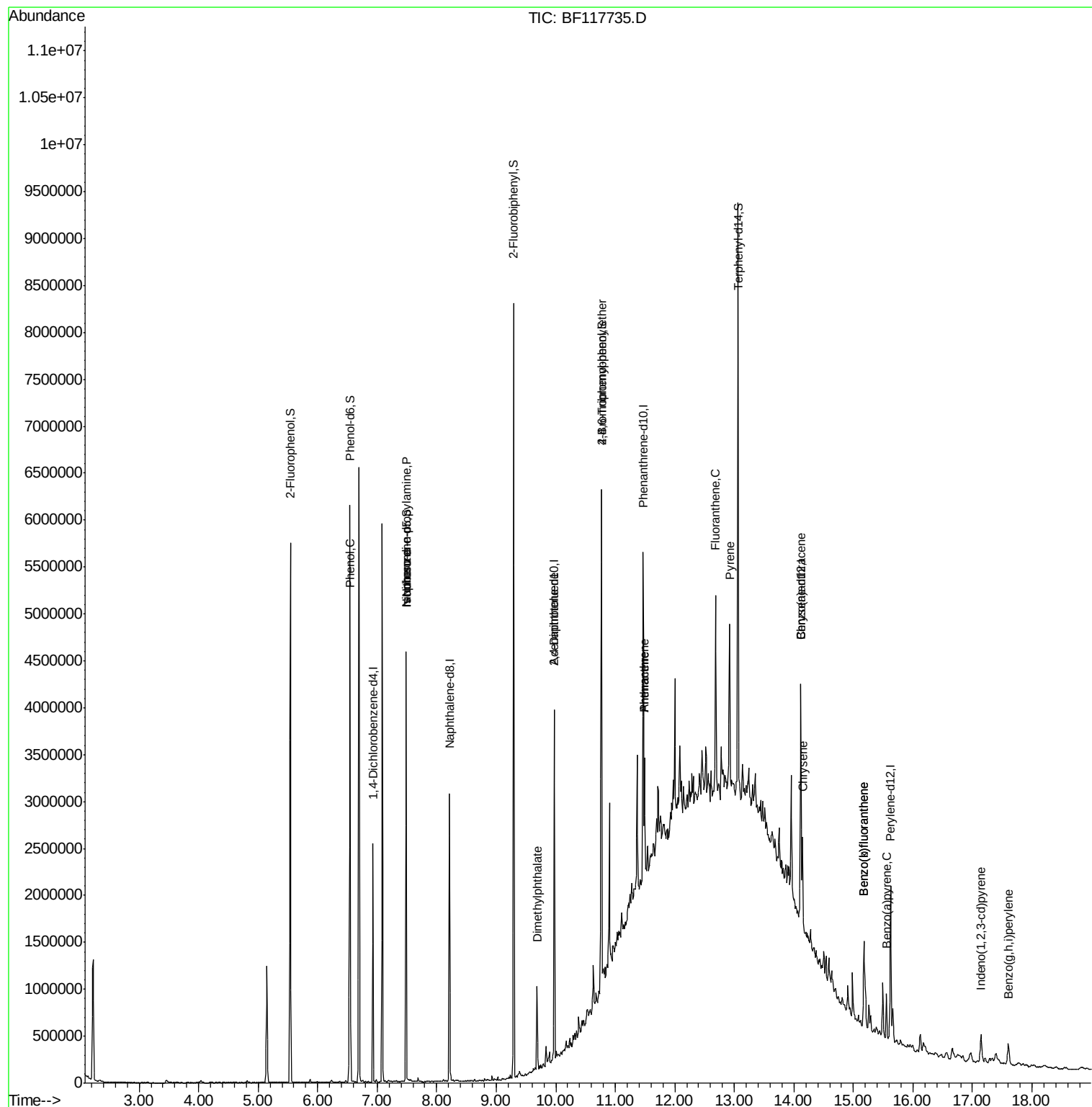
						Qvalue
10) Phenol	6.56	94	81966	3.284	ng	99
19) n-Nitroso-di-n-propylamine	7.49	70	198861	13.055	ng	# 77
25) Isophorone	7.49	82	1433646	33.100	ng	# 62
50) Dimethylphthalate	9.69	163	333780	6.725	ng	98
57) 2,4-Dinitrotoluene	9.97	165	100296	7.035	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	45848	3.297	ng	# 1
71) Phenanthrene	11.49	178	423750	6.944	ng	97
72) Anthracene	11.49	178	423750	6.980	ng	98
75) Fluoranthene	12.69	202	805336	12.925	ng	97
78) Pyrene	12.92	202	882477	15.389	ng	97
81) Benzo(a)anthracene	14.11	228	349829	7.154	ng	94
83) Chrysene	14.14	228	419998	8.698	ng	97
86) Indeno(1,2,3-cd)pyrene	17.14	276	206581	4.596	ng	93
88) Benzo(b)fluoranthene	15.18	252	685949	13.528	ng	# 97
89) Benzo(k)fluoranthene	15.18	252	685949	15.167	ng	98
90) Benzo(a)pyrene	15.56	252	242469	5.516	ng	98
92) Benzo(g,h,i)perylene	17.61	276	188617	4.937	ng	97

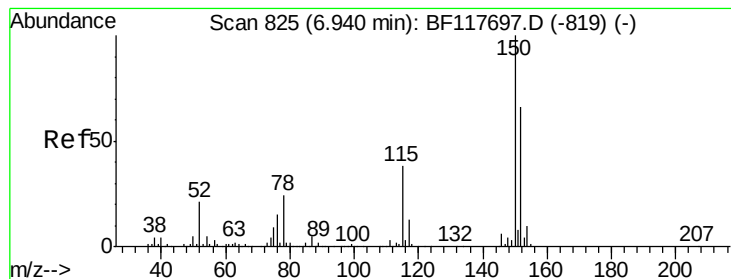
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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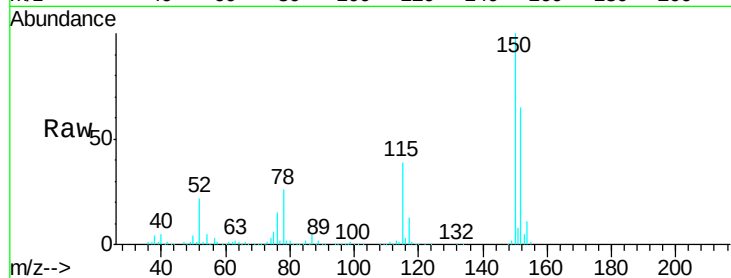


#1

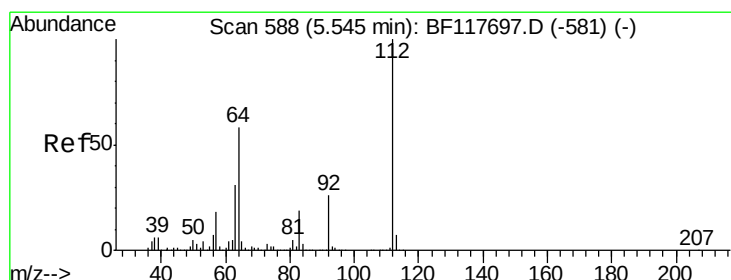
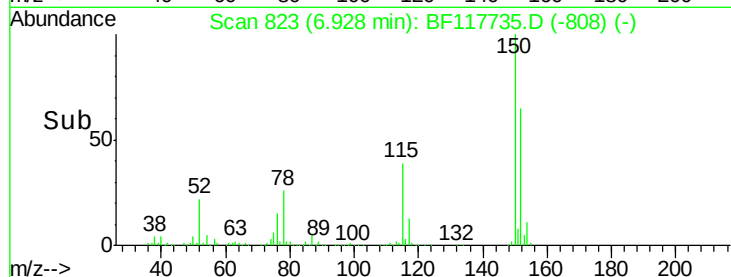
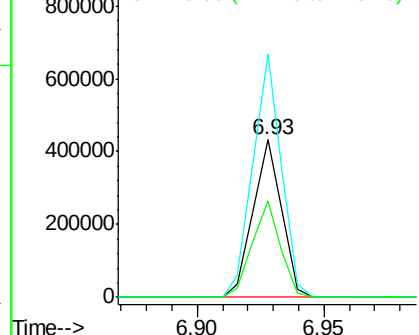
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampleId :
2-B

Tgt Ion:152 Resp: 340086
Ion Ratio Lower Upper
152 100
150 154.5 121.4 182.2
115 60.8 46.7 70.1



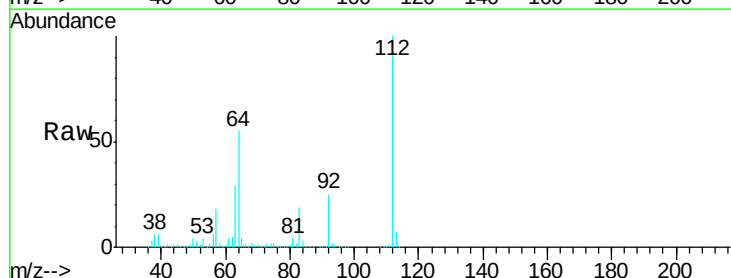
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



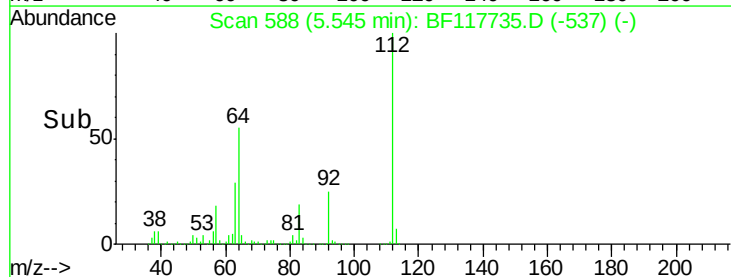
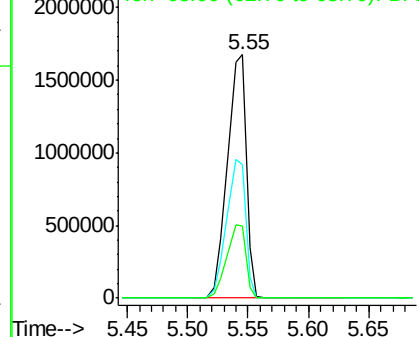
#5

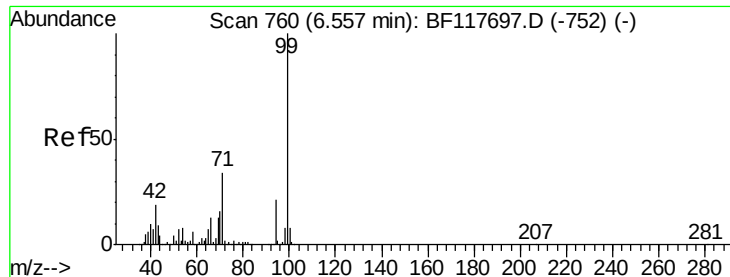
2-Fluorophenol
Concen: 96.974 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion:112 Resp: 1821924
Ion Ratio Lower Upper
112 100
64 54.9 46.4 69.6
63 29.5 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: 101.743 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampled :

2-B

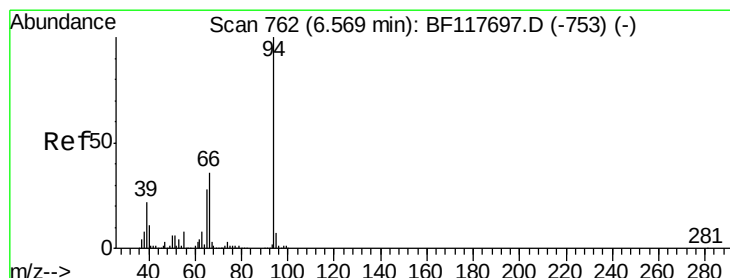
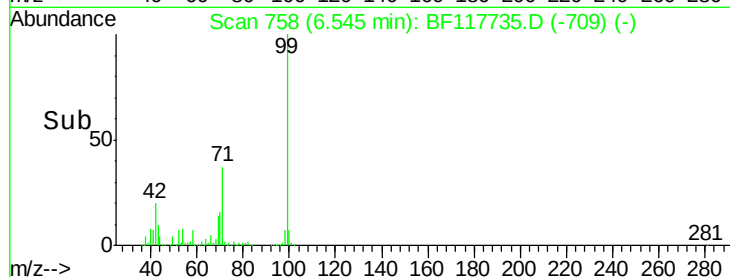
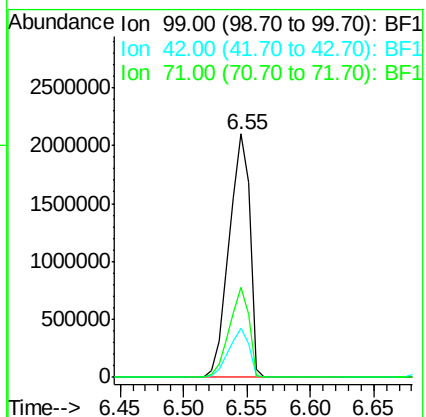
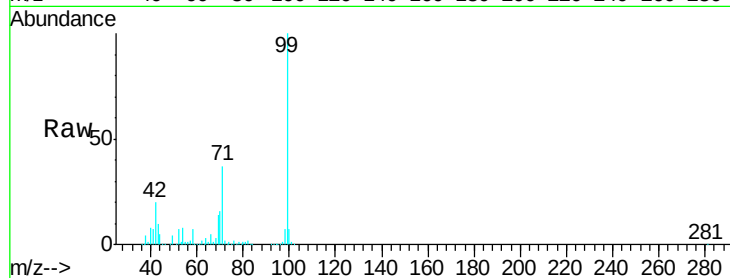
Tgt Ion: 99 Resp: 2356955

Ion Ratio Lower Upper

99 100

42 20.4 15.3 22.9

71 36.7 26.8 40.2



#10

Phenol

Concen: 3.284 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

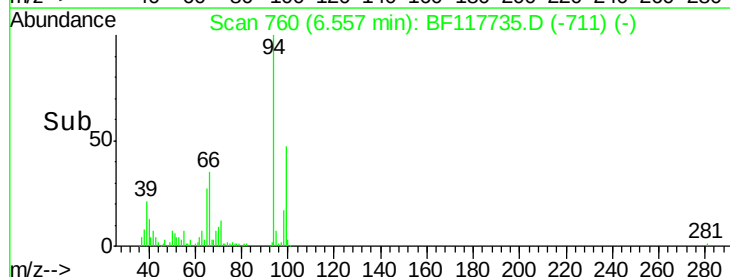
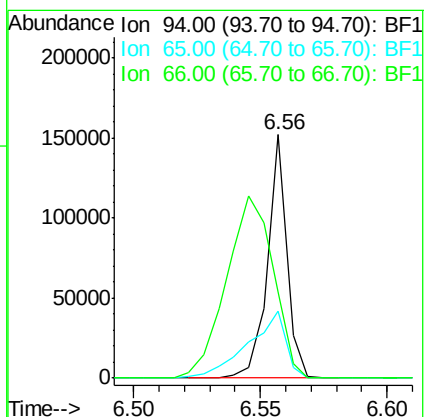
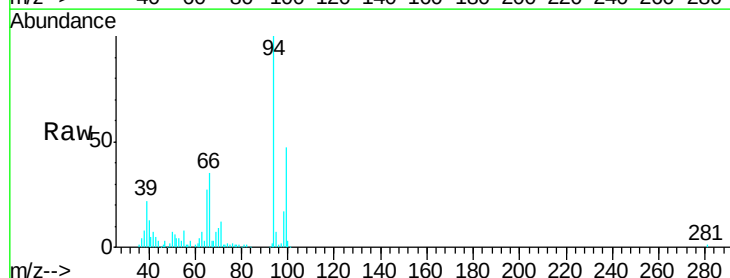
Tgt Ion: 94 Resp: 81966

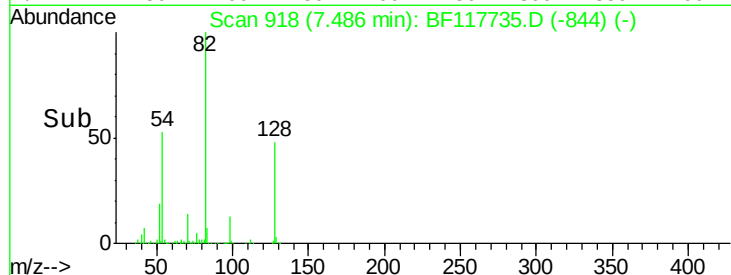
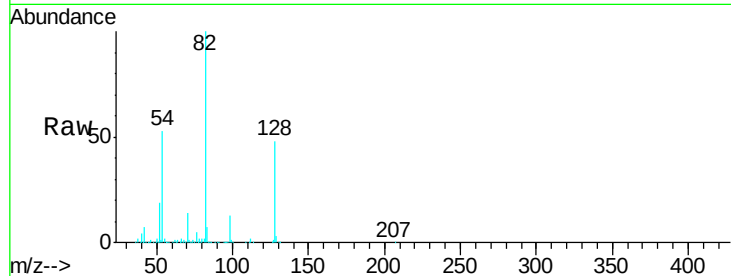
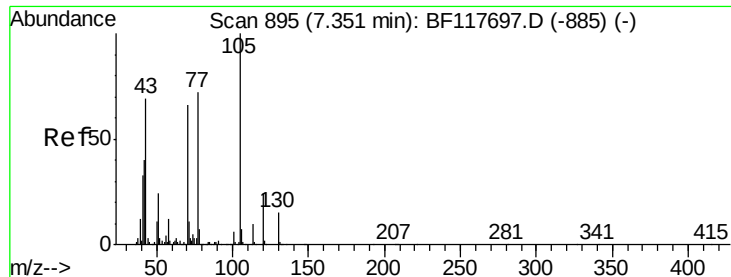
Ion Ratio Lower Upper

94 100

65 27.3 7.6 47.6

66 35.1 16.1 56.1

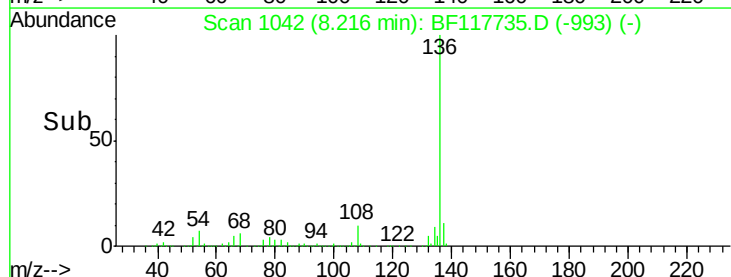
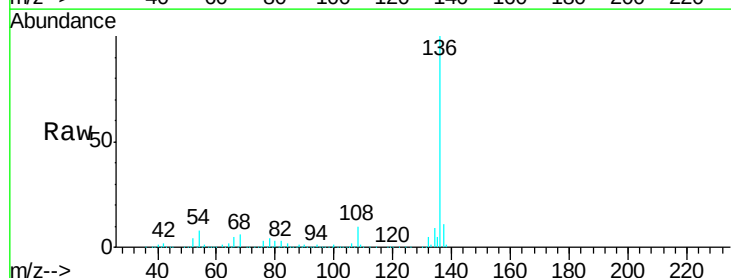
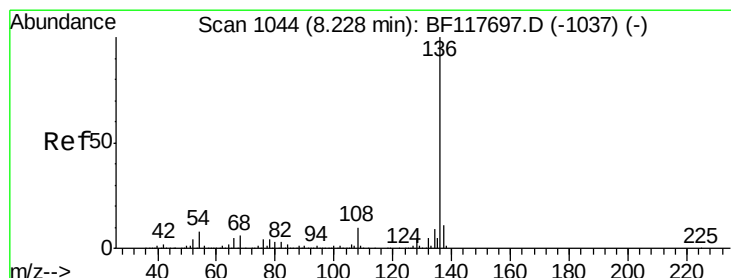
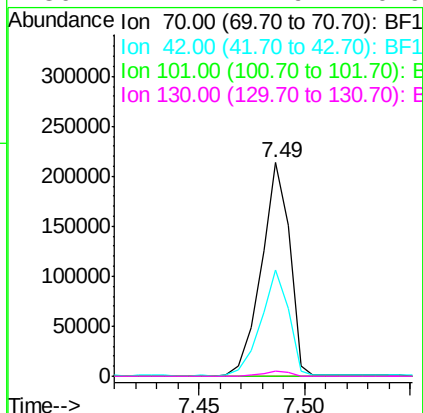




#19
n-Nitroso-di-n-propylamine
Concen: 13.055 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.14 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

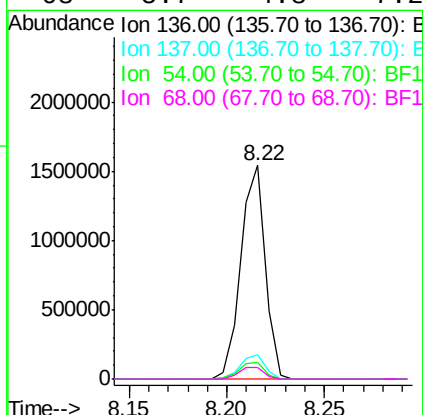
Instrument :
BNA_F
ClientSampleId :
2-B

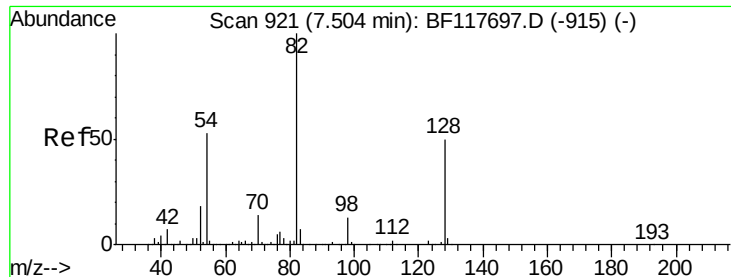
Tgt Ion:	70	Resp:	198861
Ion	Ratio	Lower	Upper
70	100		
42	49.9	49.1	73.7
101	0.0	7.8	11.8#
130	2.2	17.9	26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion:	136	Resp:	1336989
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.5	6.0	9.0
68	5.7	4.8	7.2

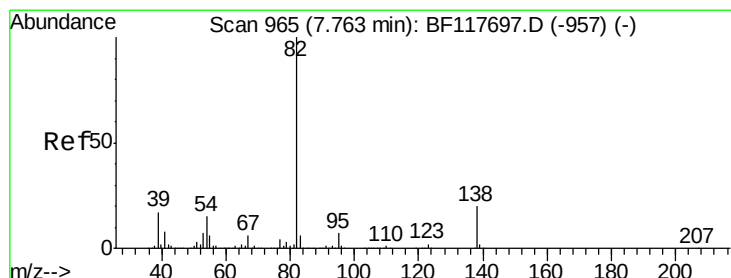
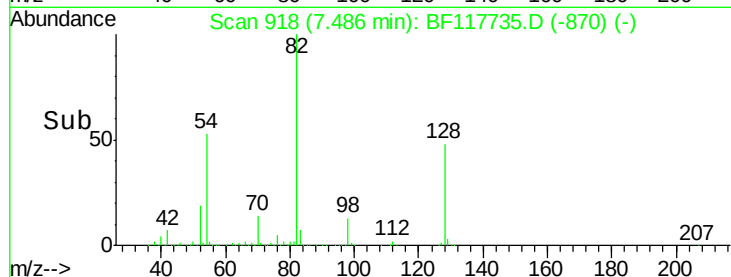
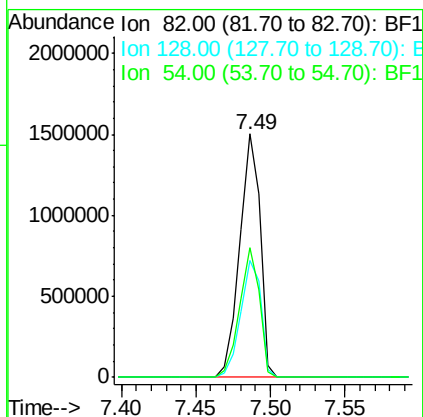
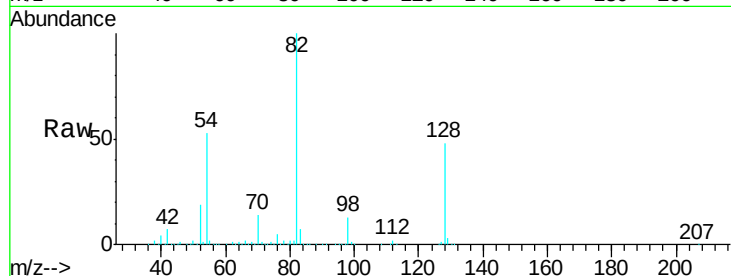




#23
Nitrobenzene-d5
Concen: 63.527 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.02 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

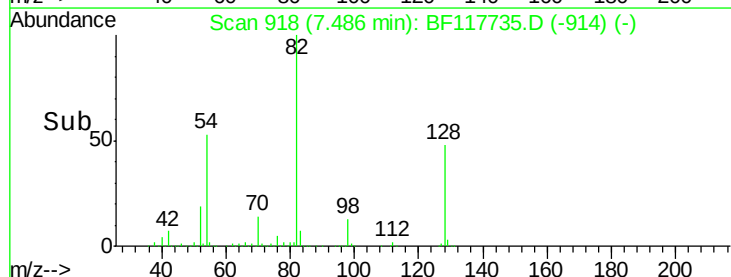
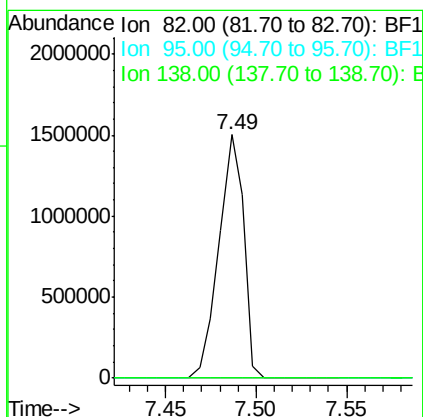
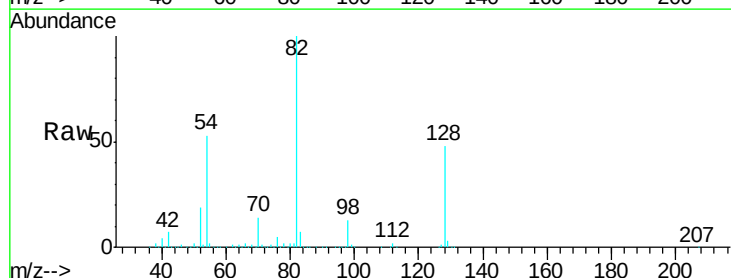
Instrument :
BNA_F
ClientSampled :
2-B

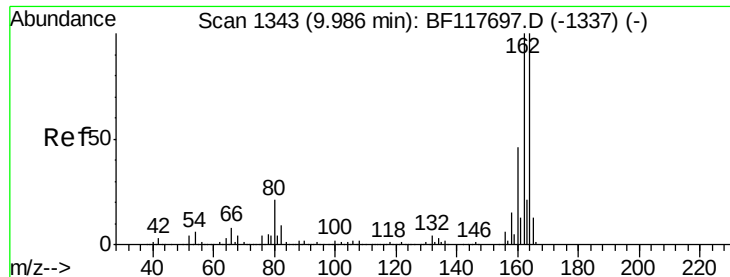
Tgt Ion: 82 Resp: 1438620
Ion Ratio Lower Upper
82 100
128 47.8 40.2 60.2
54 53.1 42.0 63.0



#25
Isophorone
Concen: 33.100 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.28 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion: 82 Resp: 1433646
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 16.2 24.2#

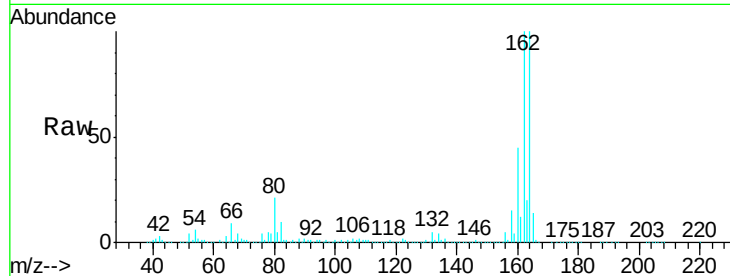




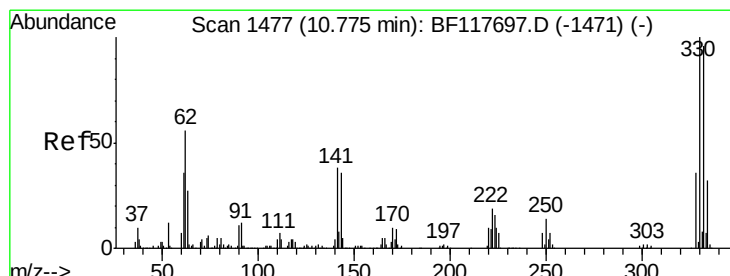
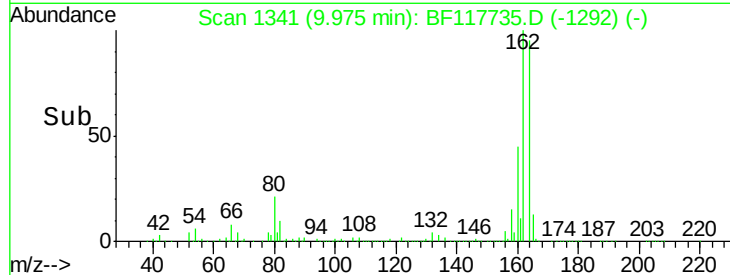
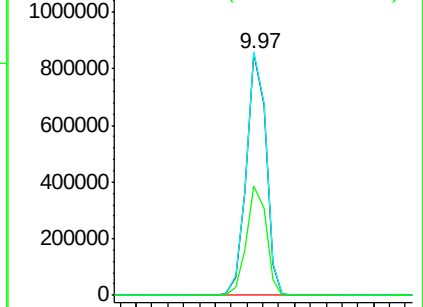
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF117735.D
 Acq: 8 Nov 2019 17:09

Instrument :
 BNA_F
 ClientSampleId :
 2-B

Tgt Ion:164 Resp: 734169
 Ion Ratio Lower Upper
 164 100
 162 100.5 79.7 119.5
 160 45.1 36.5 54.7

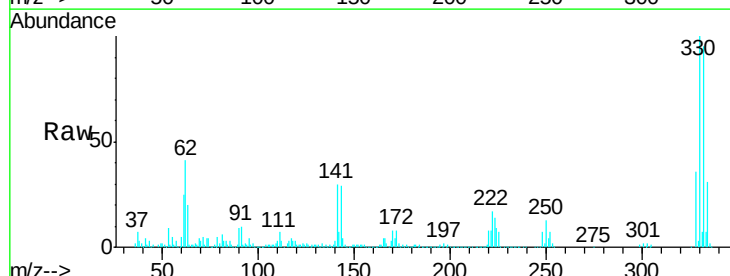


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

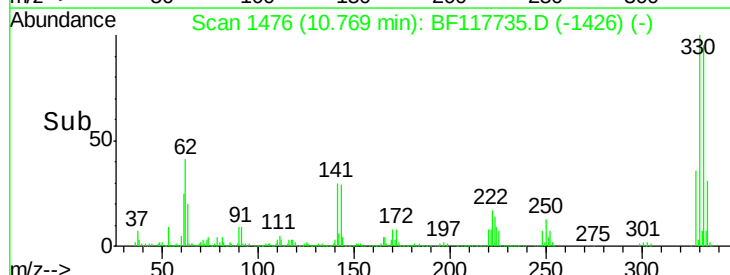
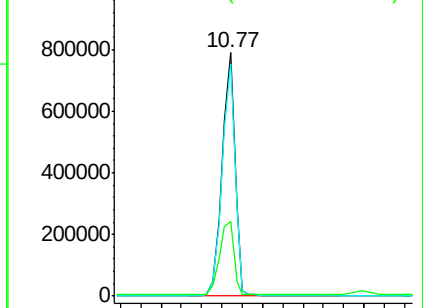


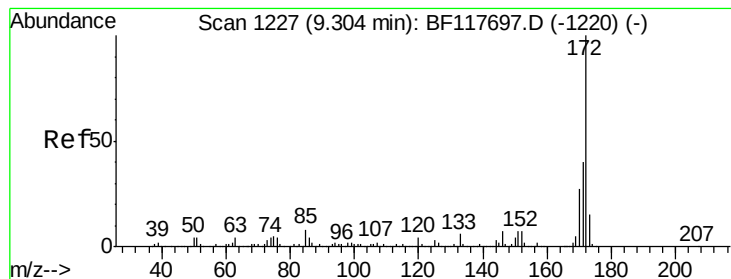
#42
 2,4,6-Tribromophenol
 Concen: 98.313 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.01 min
 Lab File: BF117735.D
 Acq: 8 Nov 2019 17:09

Tgt Ion:330 Resp: 706066
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.4 116.0
 141 33.4 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: 66.638 ng

RT: 9.29 min Scan# 1225

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampleId :

2-B

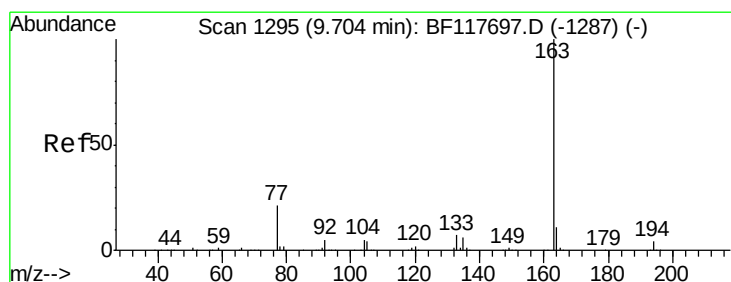
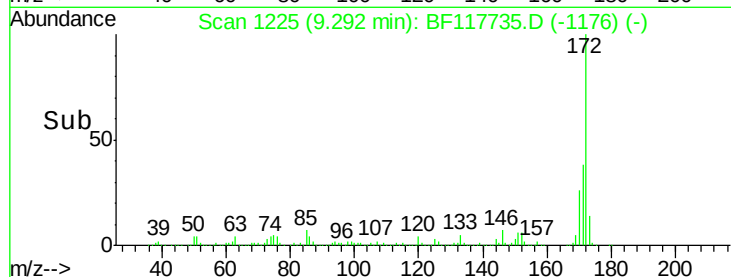
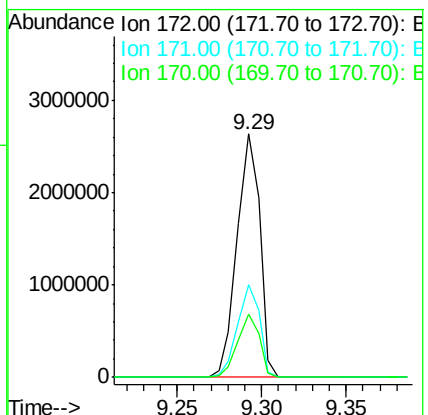
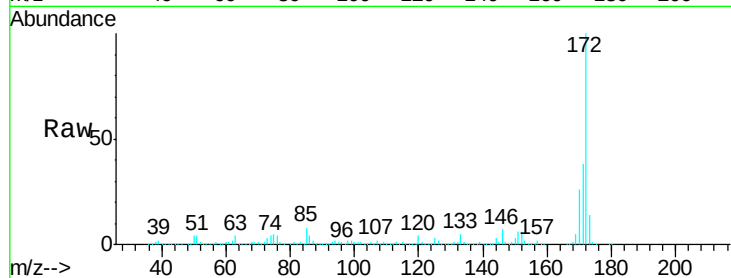
Tgt Ion:172 Resp: 2479628

Ion Ratio Lower Upper

172 100

171 38.0 31.8 47.8

170 25.7 21.6 32.4



#50

Dimethylphthalate

Concen: 6.725 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.02 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

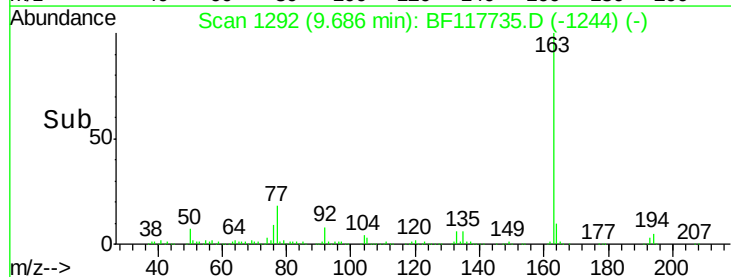
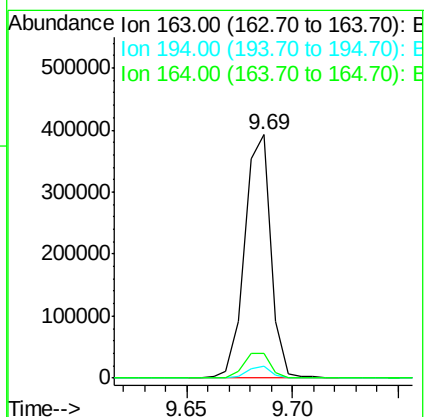
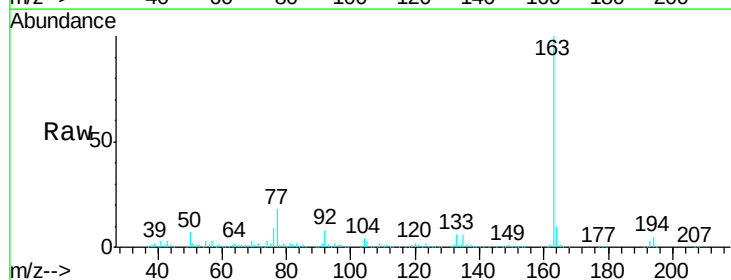
Tgt Ion:163 Resp: 333780

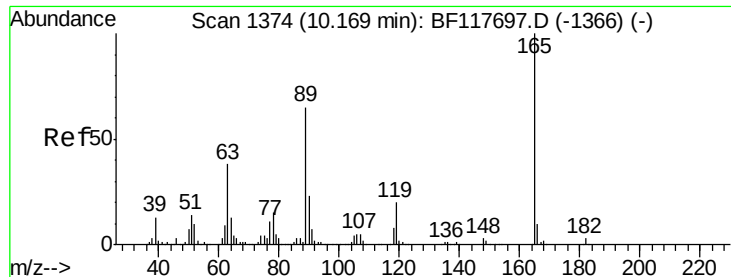
Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.0

164 10.1 8.9 13.3





#57

2,4-Dinitrotoluene

Concen: 7.035 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.19 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampleId :

2-B

Tgt Ion:165 Resp: 100296

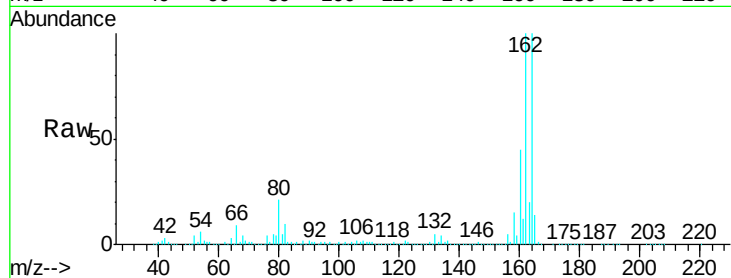
Ion Ratio Lower Upper

165 100

63 1.1 30.4 45.6#

89 1.5 52.2 78.4#

182 0.0 2.3 3.5#

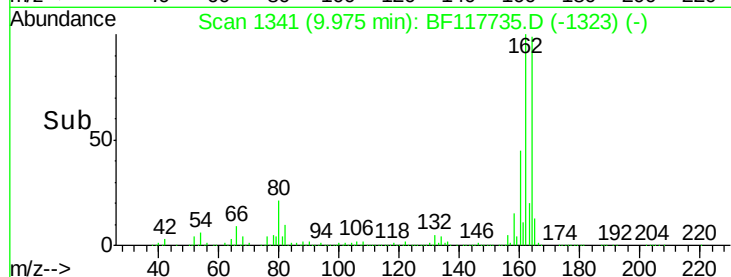


Abundance Ion 165.00 (164.70 to 165.70): E

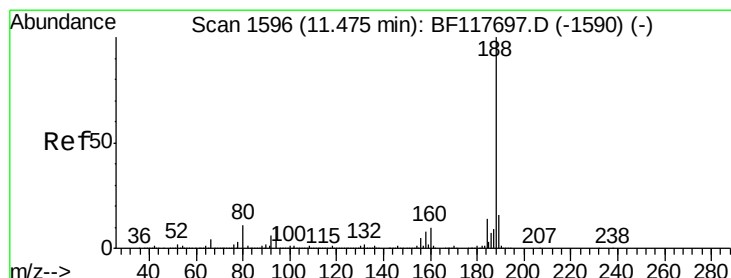
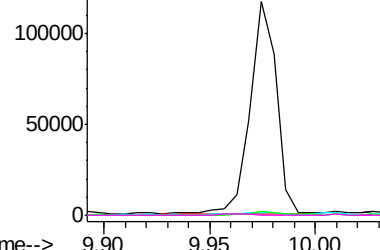
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

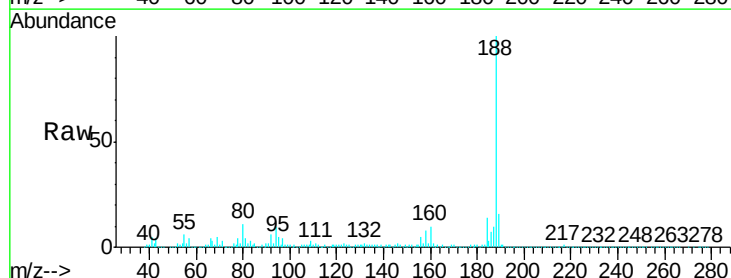
Tgt Ion:188 Resp: 1273120

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.4

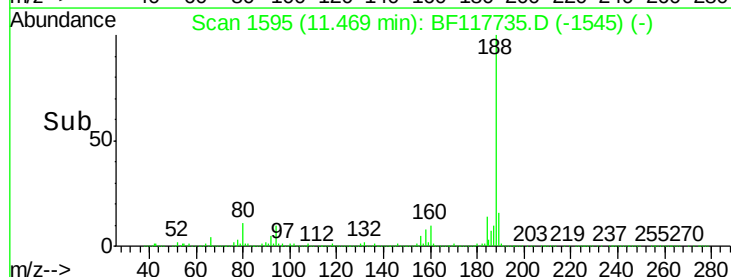
80 11.0 8.6 13.0



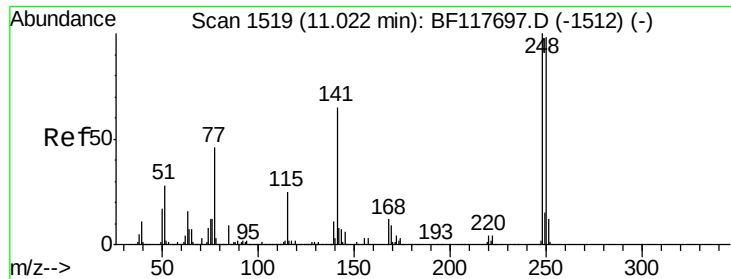
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



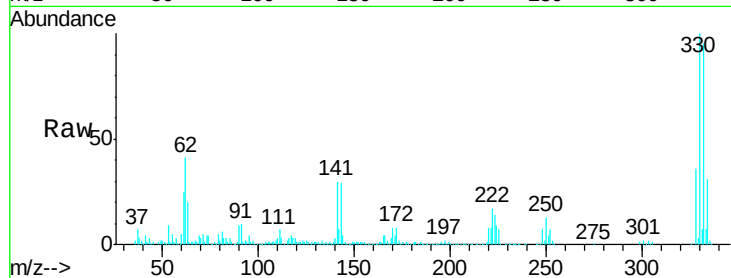
Time-->



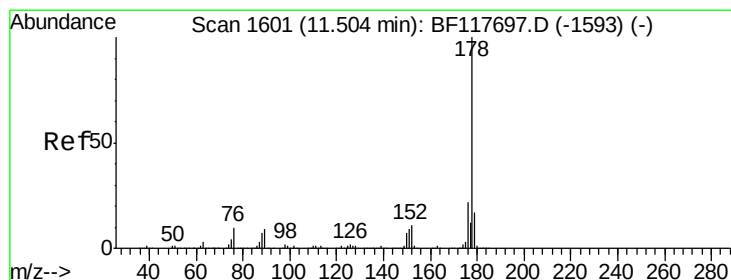
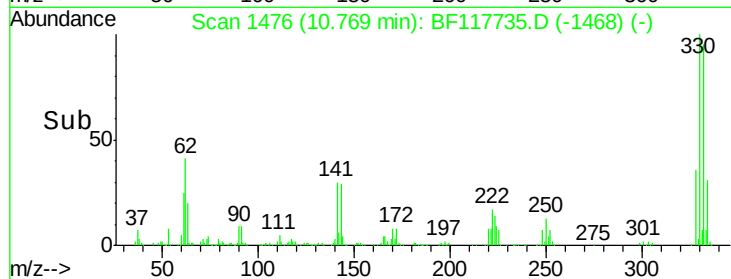
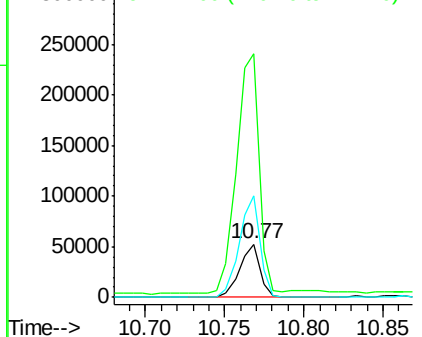
#67
4-Bromophenyl-phenylether
Concen: 3.297 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.25 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Instrument :
BNA_F
ClientSampleId :
2-B

Tgt Ion:248 Resp: 45848
Ion Ratio Lower Upper
248 100
250 190.2 78.7 118.1#
141 456.7 51.8 77.8#

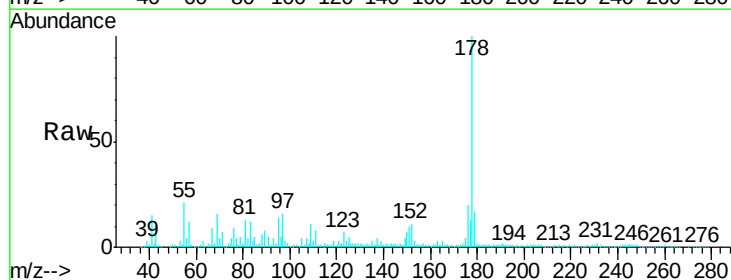


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

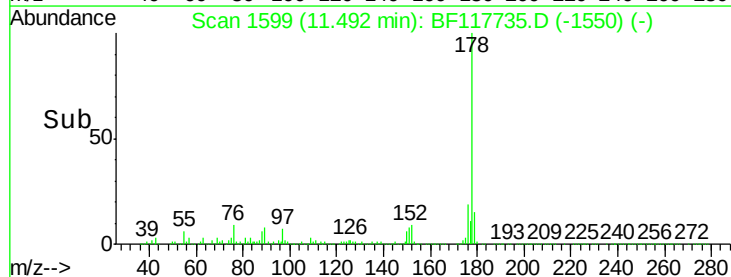
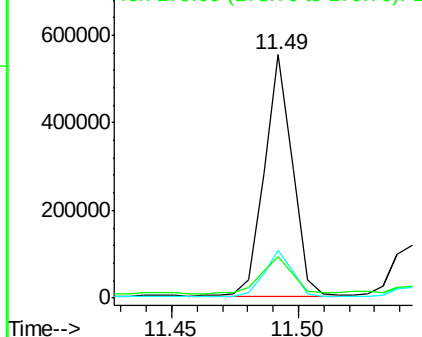


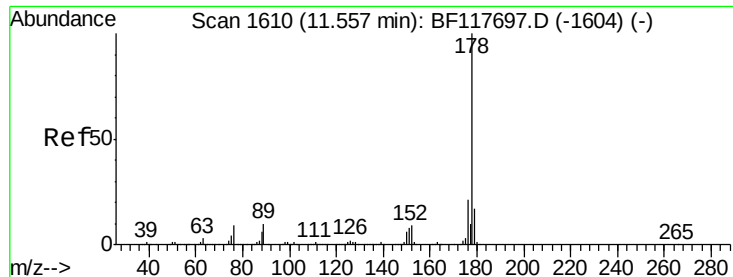
#71
Phenanthrene
Concen: 6.944 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion:178 Resp: 423750
Ion Ratio Lower Upper
178 100
176 19.7 17.7 26.5
179 17.1 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: 6.980 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.06 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampleId :

2-B

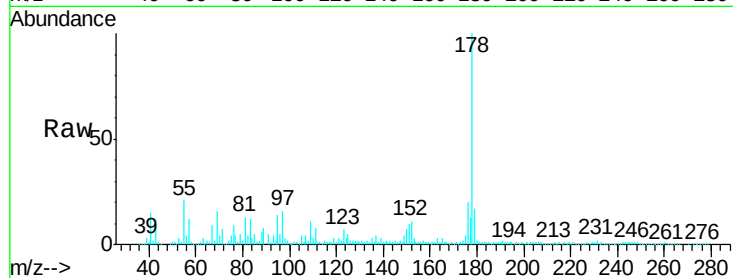
Tgt Ion:178 Resp: 423750

Ion Ratio Lower Upper

178 100

176 19.7 16.6 25.0

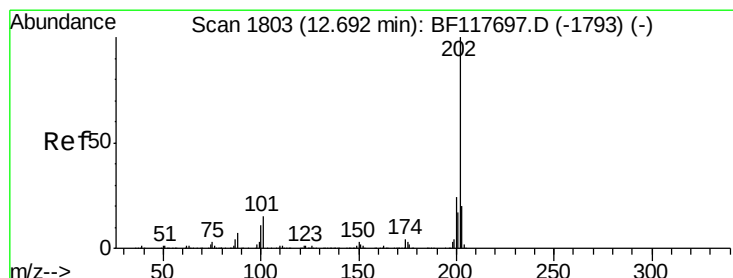
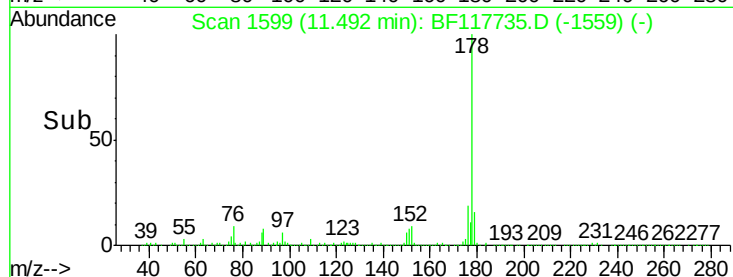
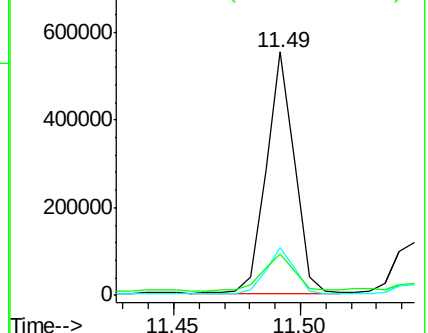
179 17.1 13.5 20.3



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: 12.925 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

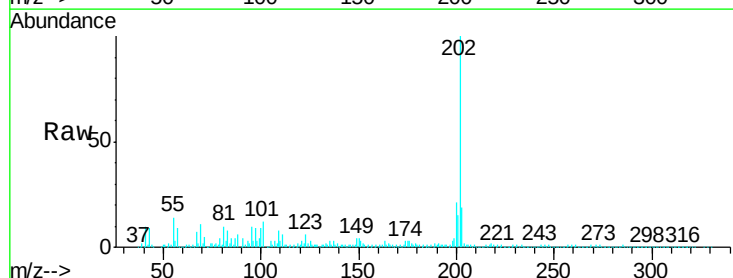
Tgt Ion:202 Resp: 805336

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.5

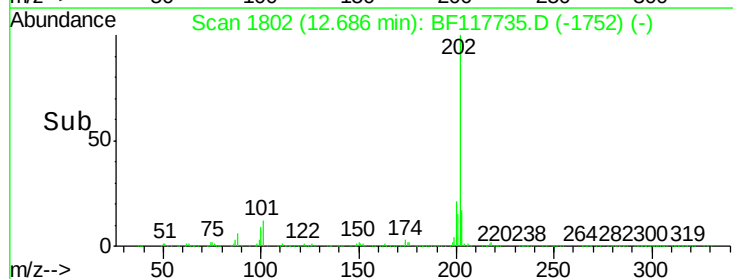
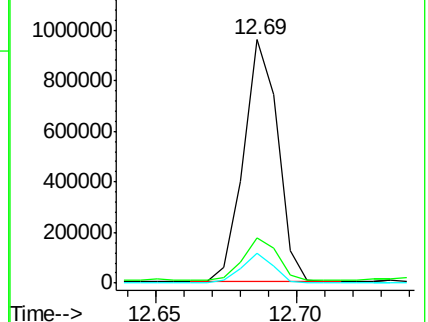
203 18.8 0.0 39.8

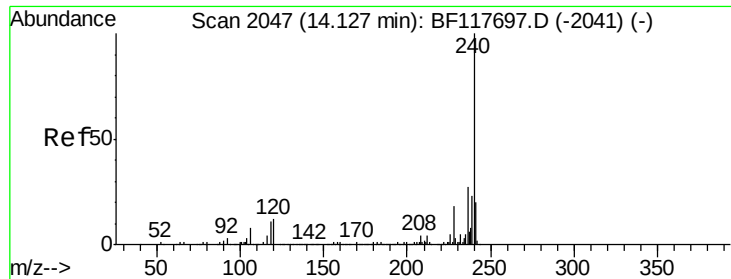


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

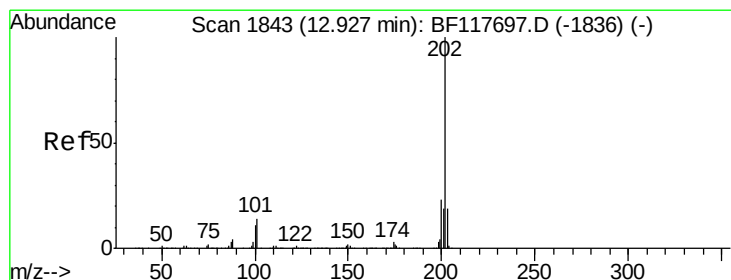
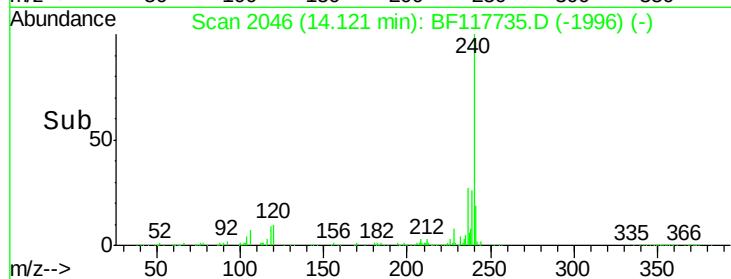
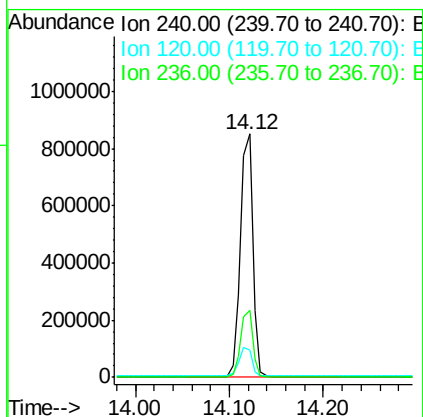
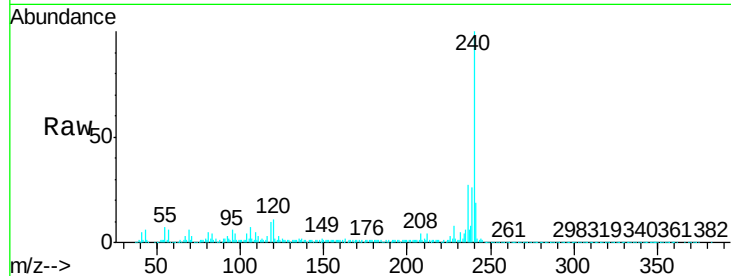




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

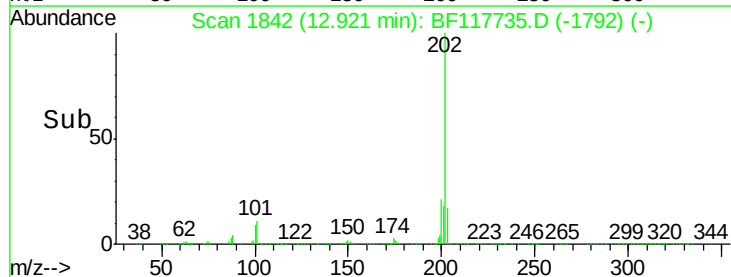
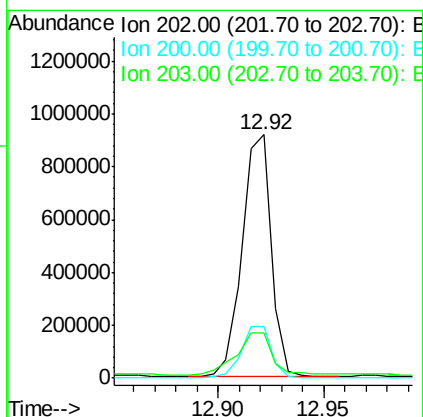
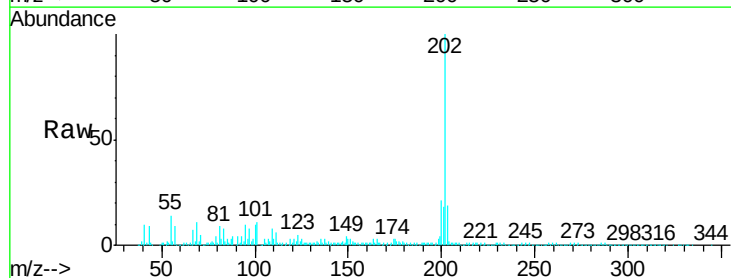
Instrument :
BNA_F
ClientSampled :
2-B

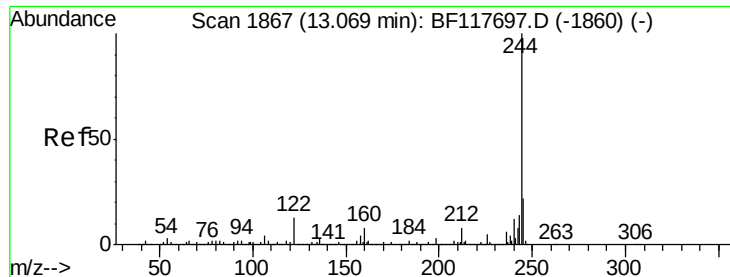
Tgt Ion:240 Resp: 785555
Ion Ratio Lower Upper
240 100
120 11.0 9.7 14.5
236 27.4 21.9 32.9



#78
Pyrene
Concen: 15.389 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion:202 Resp: 882477
Ion Ratio Lower Upper
202 100
200 21.3 18.8 28.2
203 18.8 15.2 22.8

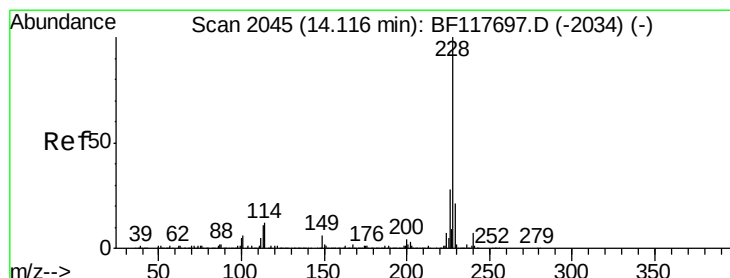
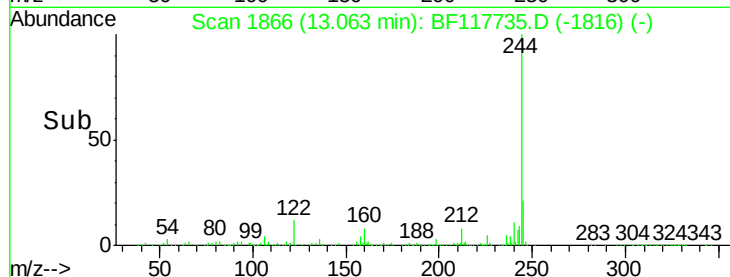
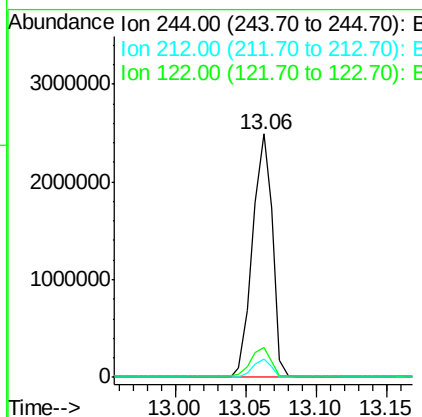
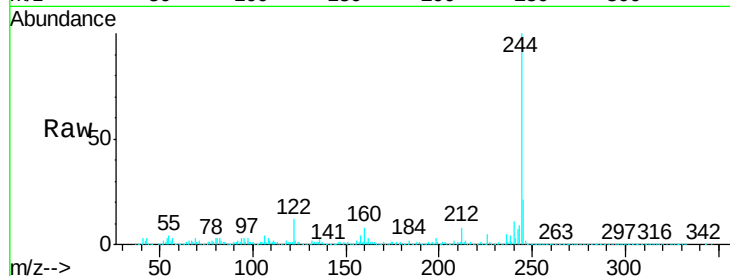




#79
 Terphenyl-d14
 Concen: 64.591 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF117735.D
 Acq: 8 Nov 2019 17:09

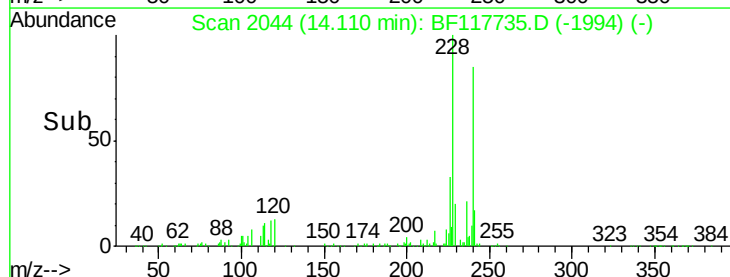
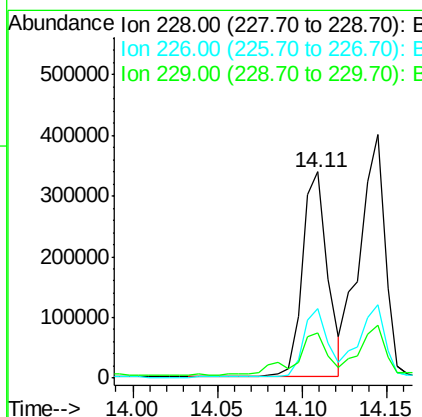
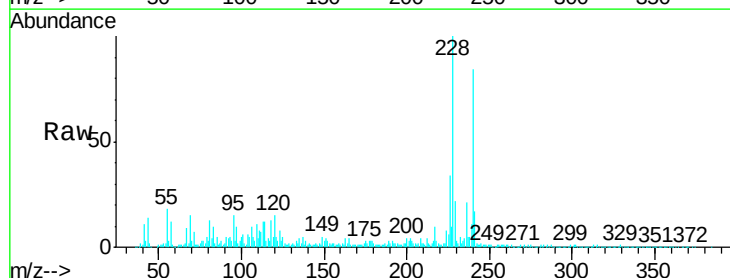
Instrument :
 BNA_F
 ClientSampleId :
 2-B

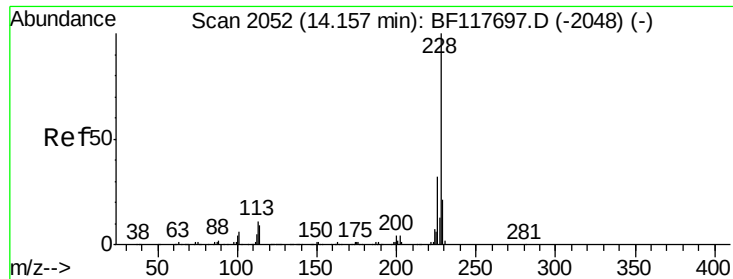
Tgt Ion:244 Resp: 2464789
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.4 9.6
 122 12.0 10.0 15.0



#81
 Benzo(a)anthracene
 Concen: 7.154 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BF117735.D
 Acq: 8 Nov 2019 17:09

Tgt Ion:228 Resp: 349829
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.8 34.2
 229 22.1 16.9 25.3





#83

Chrysene

Concen: 8.698 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampleId :

2-B

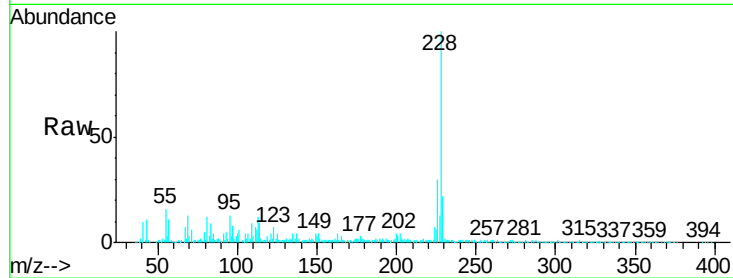
Tgt Ion:228 Resp: 419998

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.2

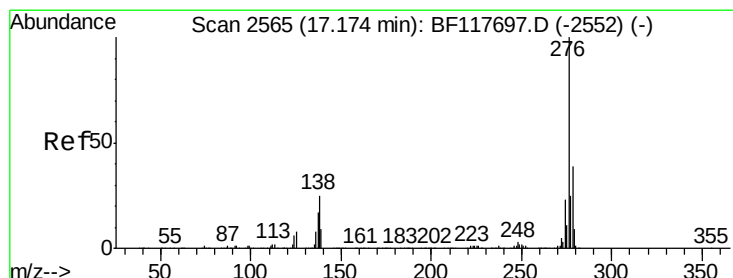
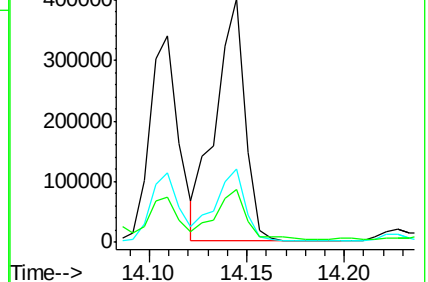
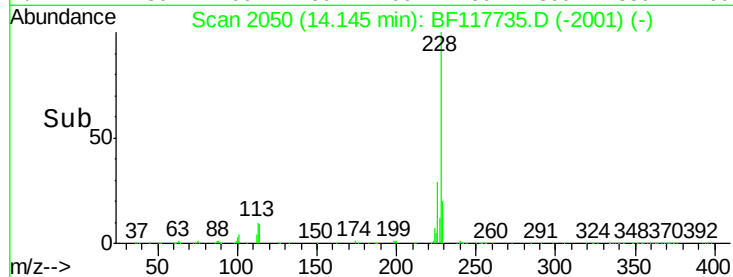
229 21.6 16.6 24.8



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: 4.596 ng

RT: 17.14 min Scan# 2560

Delta R.T. -0.03 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

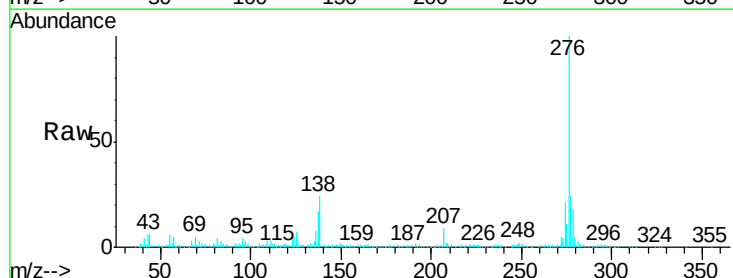
Tgt Ion:276 Resp: 206581

Ion Ratio Lower Upper

276 100

138 22.5 22.4 33.6

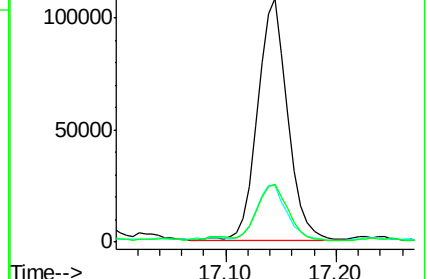
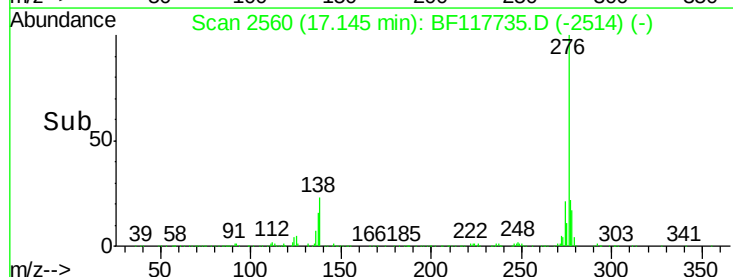
277 24.3 20.6 30.8

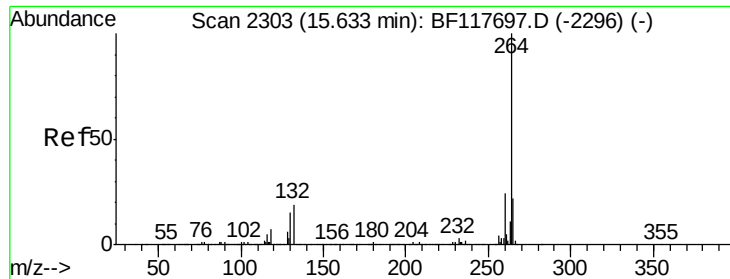


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

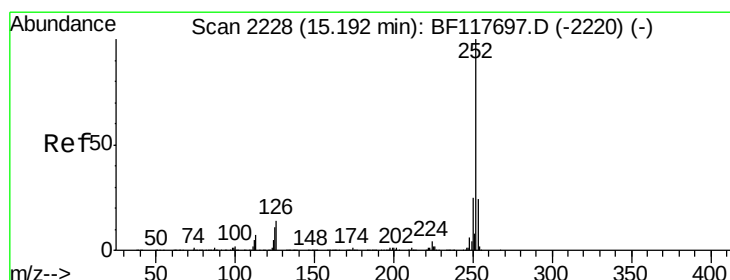
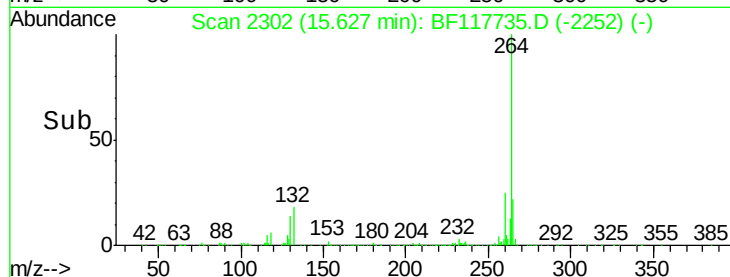
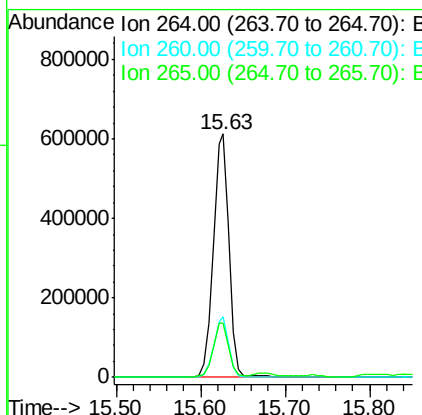
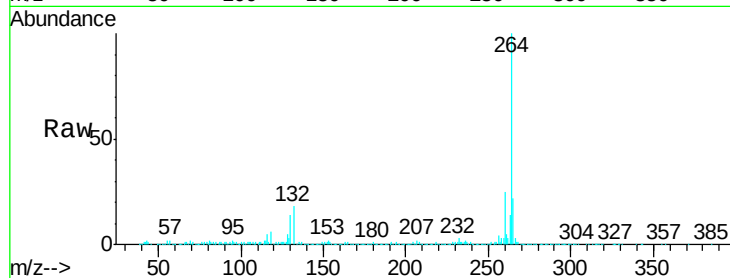




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BF117735.D
 Acq: 8 Nov 2019 17:09

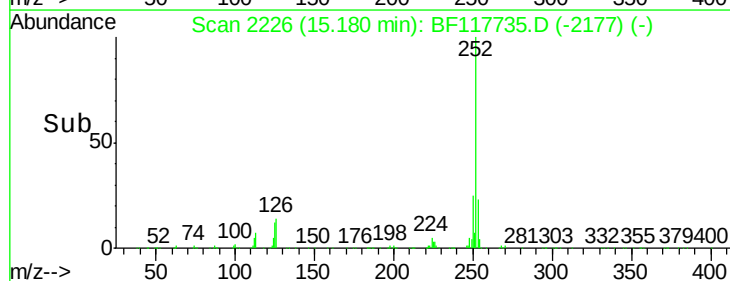
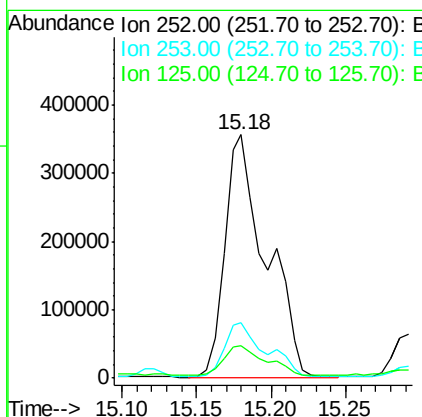
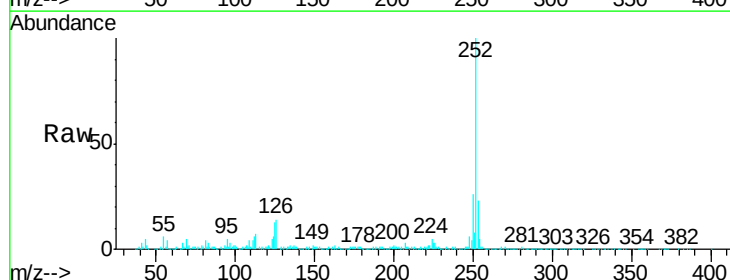
Instrument :
 BNA_F
 ClientSampleId :
 2-B

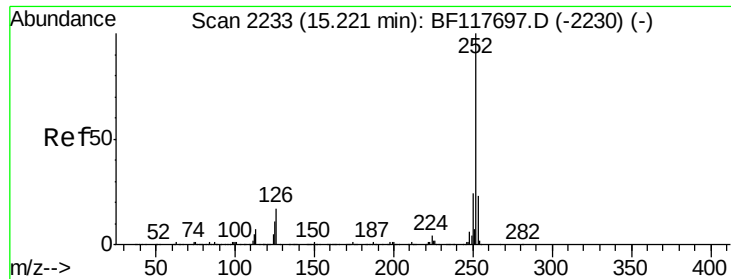
Tgt Ion: 264 Resp: 805110
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 22.5 17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 13.528 ng
 RT: 15.18 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BF117735.D
 Acq: 8 Nov 2019 17:09

Tgt Ion: 252 Resp: 685949
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.9 28.3
 125 13.4 8.5 12.7#

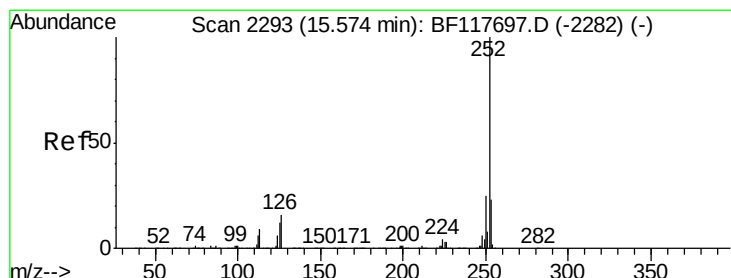
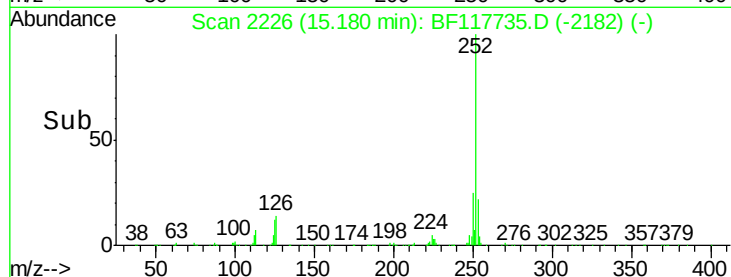
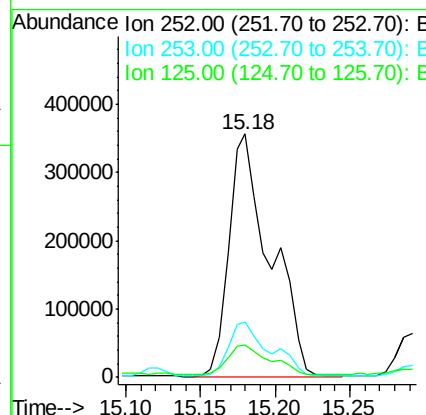
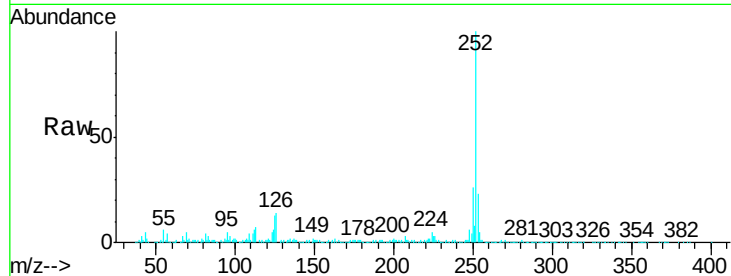




#89
Benzo(k)fluoranthene
Concen: 15.167 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

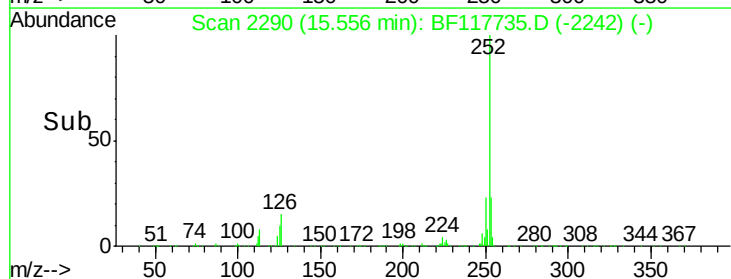
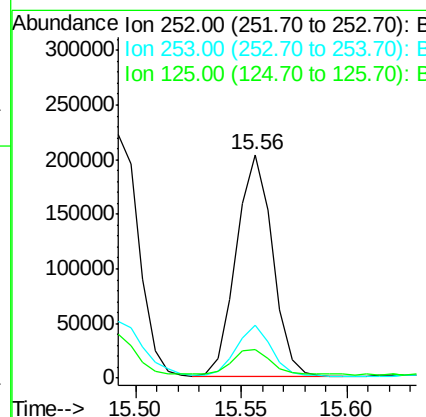
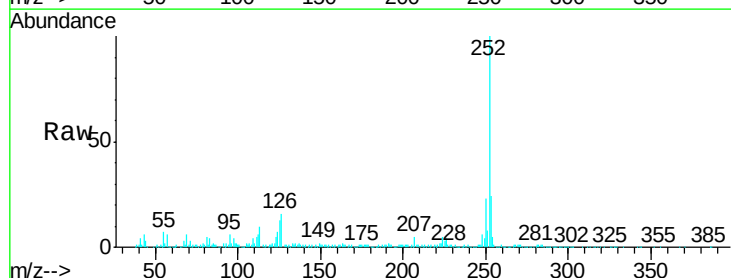
Instrument :
BNA_F
ClientSampleId :
2-B

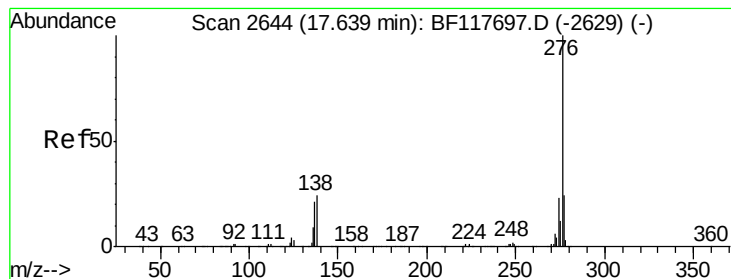
Tgt Ion:252 Resp: 685949
Ion Ratio Lower Upper
252 100
253 22.8 17.9 26.9
125 13.4 9.1 13.7



#90
Benzo(a)pyrene
Concen: 5.516 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117735.D
Acq: 8 Nov 2019 17:09

Tgt Ion:252 Resp: 242469
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 12.7 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 4.937 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BF117735.D

Acq: 8 Nov 2019 17:09

Instrument :

BNA_F

ClientSampleId :

2-B

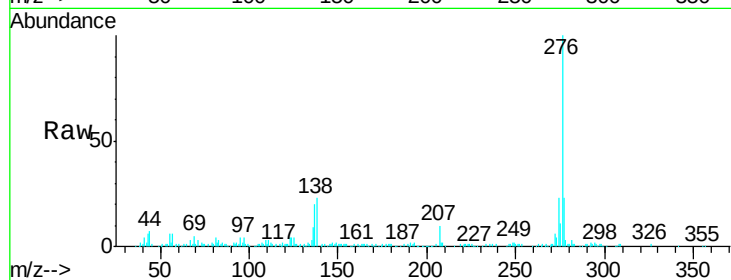
Tgt Ion: 276 Resp: 188617

Ion Ratio Lower Upper

276 100

277 22.8 19.4 29.0

138 22.5 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

120000 Ion 277.00 (276.70 to 277.70): E

100000 Ion 138.00 (137.70 to 138.70): E

80000

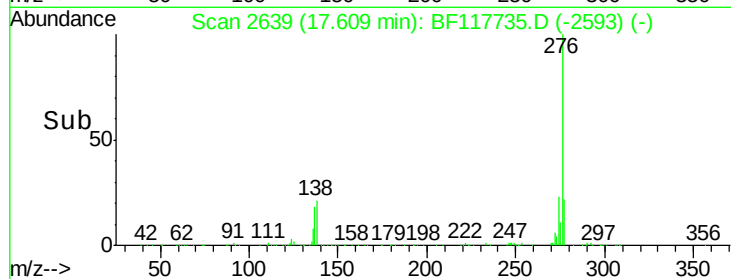
60000

40000

20000

0

Time-->



17.61

17.50

17.60

17.70