

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071217\
 Data File : BF096715.D
 Acq On : 13 Jul 2017 3:05
 Operator : SJ/JU
 Sample : I4130-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 13 03:47:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	126691	20.00	ng	-0.04
21) Naphthalene-d8	7.95	136	507109	20.00	ng	-0.04
38) Acenaphthene-d10	9.70	164	212047	20.00	ng	-0.04
63) Phenanthrene-d10	11.17	188	319545	20.00	ng	-0.04
75) Chrysene-d12	13.81	240	212695	20.00	ng	-0.04
86) Perylene-d12	15.20	264	191562	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	733248	85.42	ng	-0.03
7) Phenol-d6	6.31	99	1025434	97.18	ng	-0.04
23) Nitrobenzene-d5	7.23	82	601800	71.31	ng	-0.04
41) 2,4,6-Tribromophenol	10.49	330	152192	91.88	ng	-0.04
44) 2-Fluorobiphenyl	9.03	172	927267	74.77	ng	-0.04
78) Terphenyl-d14	12.76	244	499243	50.16	ng	-0.04

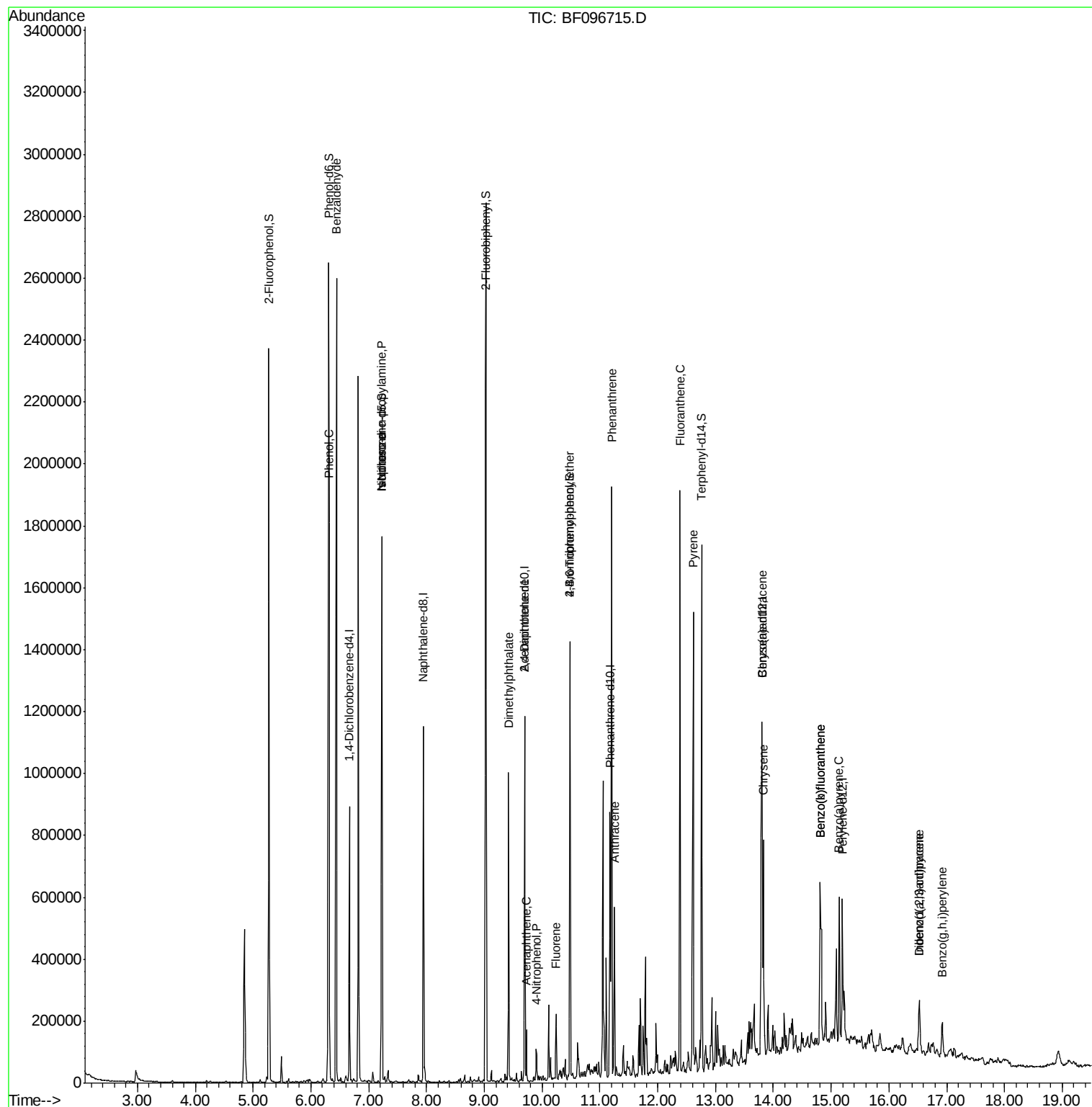
Target Compounds				Qvalue		
9) Benzaldehyde	6.44	77	15755	2.39	ng	82
10) Phenol	6.32	94	27917	2.32	ng	94
19) n-Nitroso-di-n-propylamine	7.23	70	80229	12.76	ng	# 88
25) Isophorone	7.23	82	596231	36.44	ng	# 67
49) Dimethylphthalate	9.42	163	374006	23.63	ng	98
51) Acenaphthene	9.73	154	31852	2.41	ng	95
55) 4-Nitrophenol	9.90	139	12074	3.34	ng	# 29
56) 2,4-Dinitrotoluene	9.70	165	28117	6.34	ng	# 33
57) Fluorene	10.24	166	55265	4.48	ng	99
66) 4-Bromophenyl-phenylether	10.49	248	10050	3.23	ng	# 1
70) Phenanthrene	11.20	178	690688	39.98	ng	100
71) Anthracene	11.25	178	187346	10.64	ng	98
74) Fluoranthene	12.39	202	745814	44.04	ng	99
77) Pyrene	12.62	202	632058	37.02	ng	99
80) Benzo(a)anthracene	13.80	228	300841	24.43	ng	99
82) Chrysene	13.83	228	263378	20.42	ng	98
85) Indeno(1,2,3-cd)pyrene	16.53	276	106593	10.47	ng	92
87) Benzo(b)fluoranthene	14.81	252	395432	32.94	ng	98
88) Benzo(k)fluoranthene	14.81	252	395432	36.83	ng	97
89) Benzo(a)pyrene	15.14	252	211862	19.77	ng	# 95
90) Dibenzo(a,h)anthracene	16.53	278	28069	3.33	ng	# 83
91) Benzo(g,h,i)perylene	16.92	276	80029	9.16	ng	98

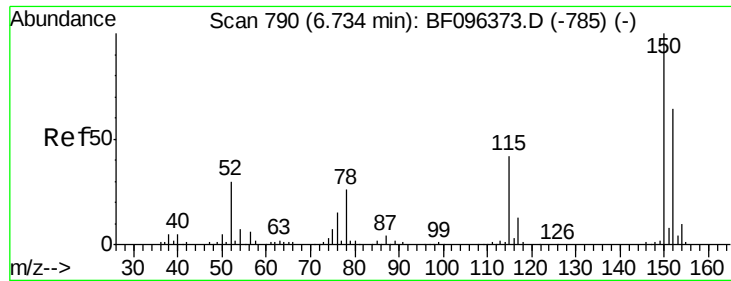
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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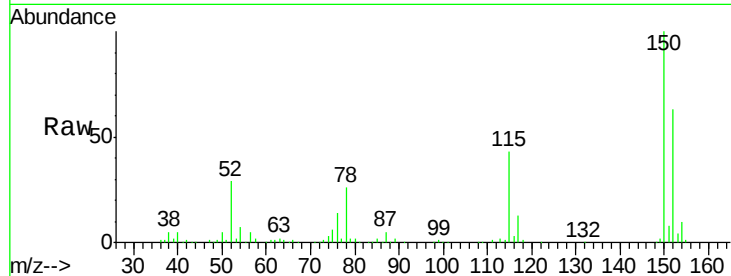


#1

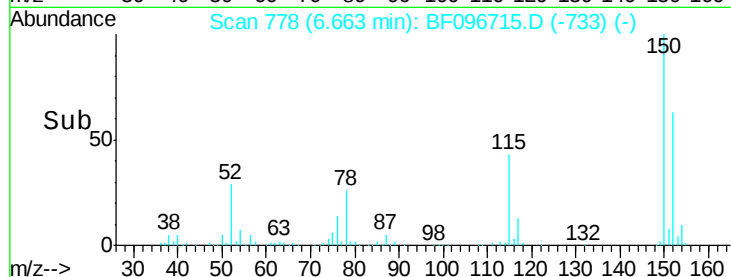
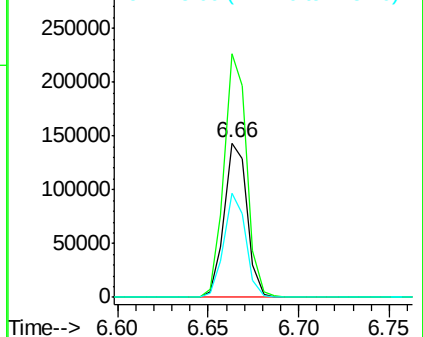
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126691
Ion Ratio Lower Upper
152 100
150 157.8 126.2 189.2
115 67.2 52.2 78.2



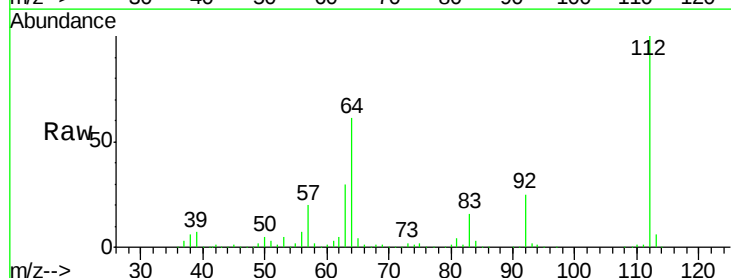
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



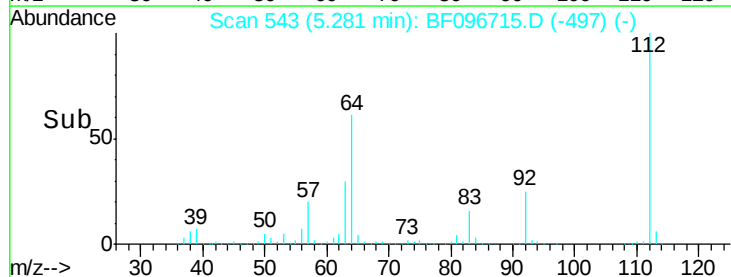
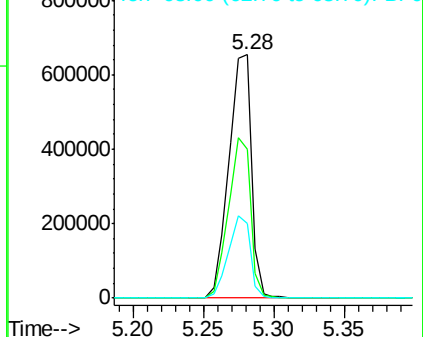
#5

2-Fluorophenol
Concen: 85.42 ng
RT: 5.28 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:112 Resp: 733248
Ion Ratio Lower Upper
112 100
64 61.2 46.0 69.0
63 30.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.18 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

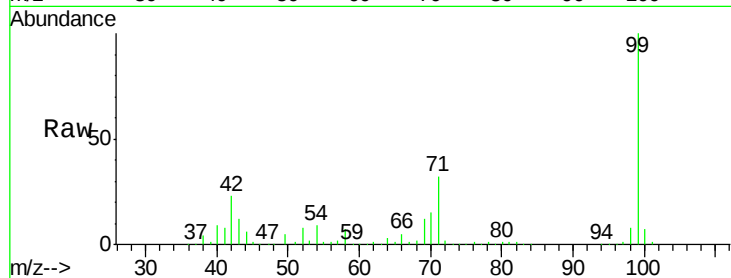
Instrument :

BNA_F

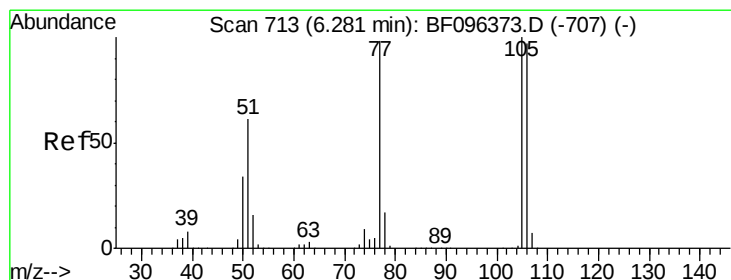
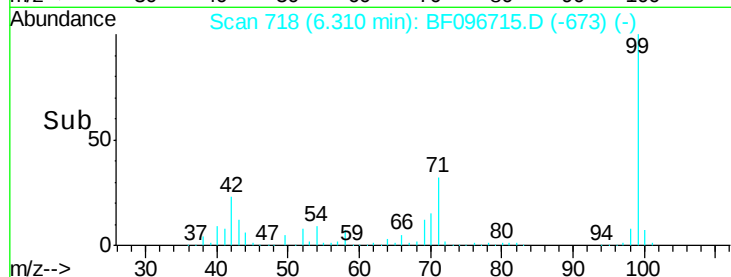
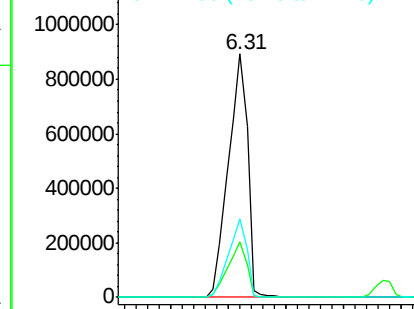
ClientSampled :

Tot Ion: 99 Resp: 1025434

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	32.0	24.5	36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.39 ng

RT: 6.44 min Scan# 740

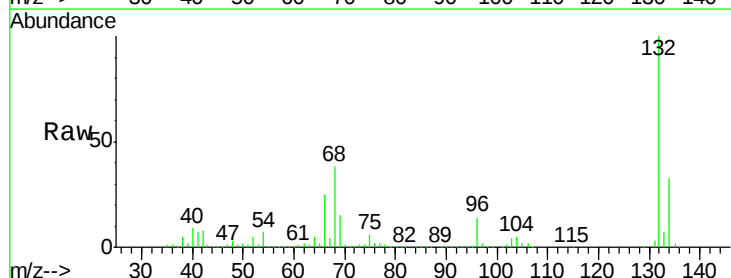
Delta R.T. 0.19 min

Lab File: BF096715.D

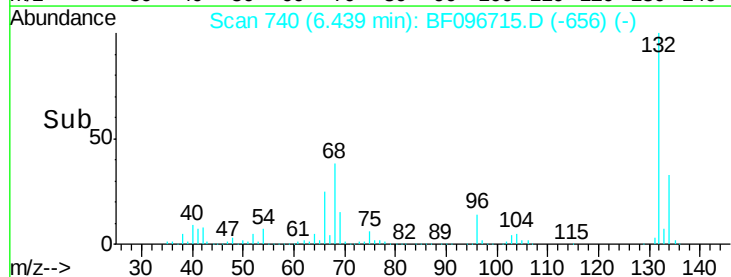
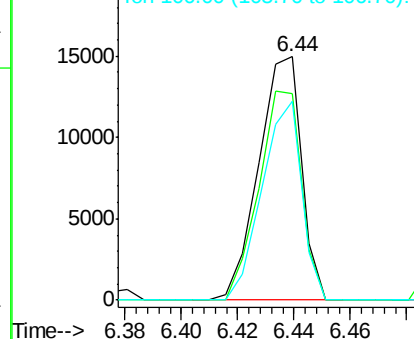
Acq: 13 Jul 2017 3:05

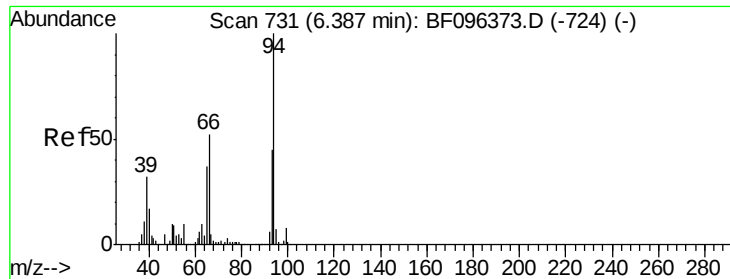
Tgt Ion: 77 Resp: 15755

Ion	Ratio	Lower	Upper
77	100		
105	84.8	83.8	123.8
106	81.5	79.1	119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): B
Ion 106.00 (105.70 to 106.70): B





#10

Phenol

Concen: 2.32 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampled :

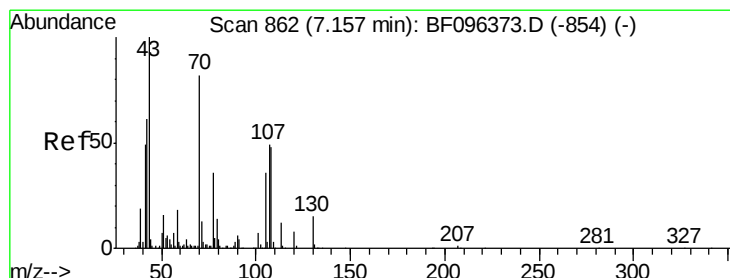
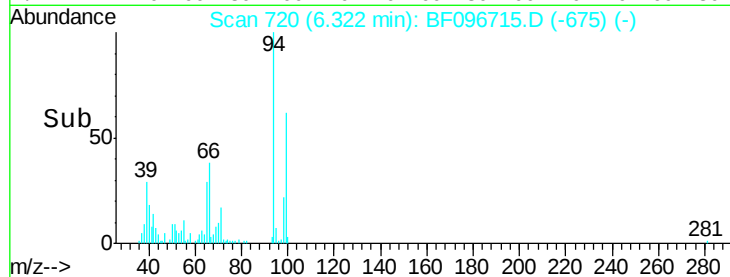
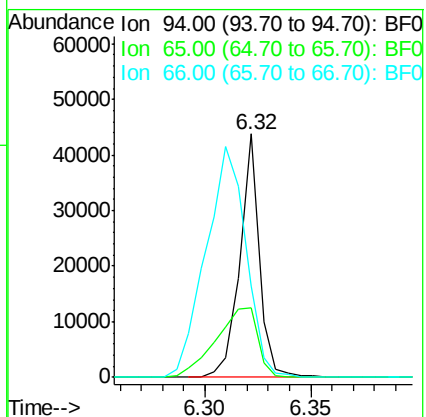
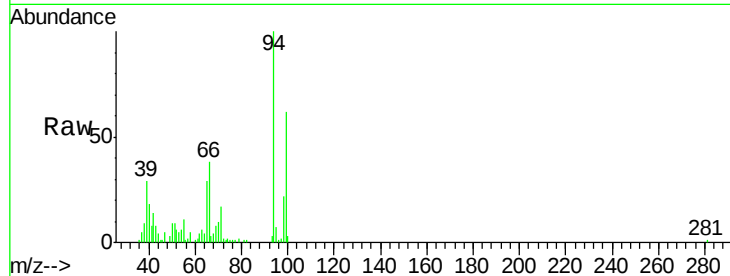
Tot Ion: 94 Resp: 27917

Ion Ratio Lower Upper

94 100

65 28.7 9.9 49.9

66 37.5 23.1 63.1



#19

n-Nitroso-di-n-propylamine

Concen: 12.76 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.10 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Tgt Ion: 70 Resp: 80229

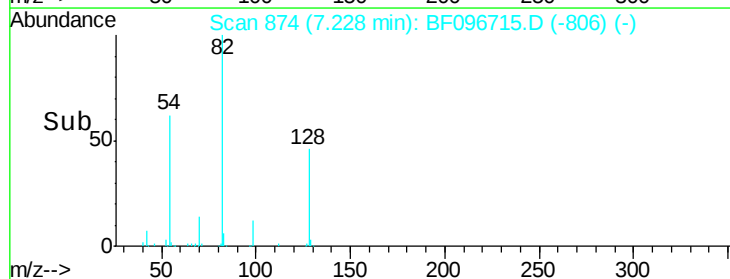
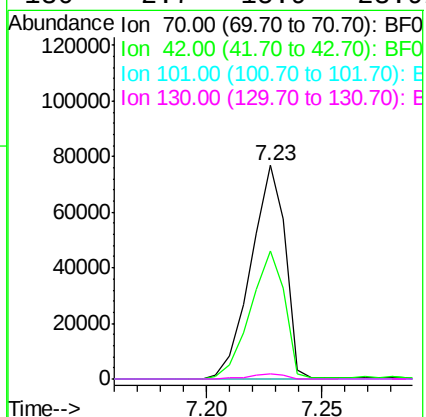
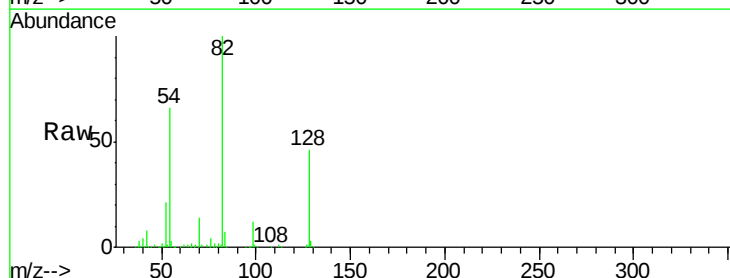
Ion Ratio Lower Upper

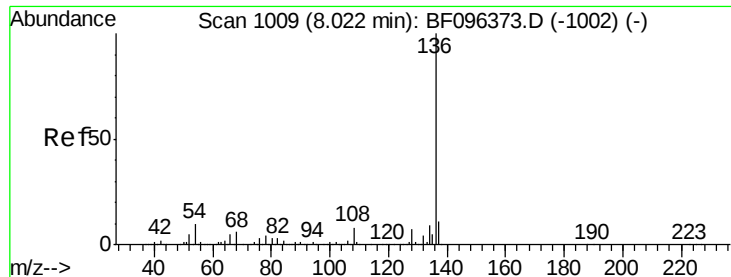
70 100

42 59.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 507109

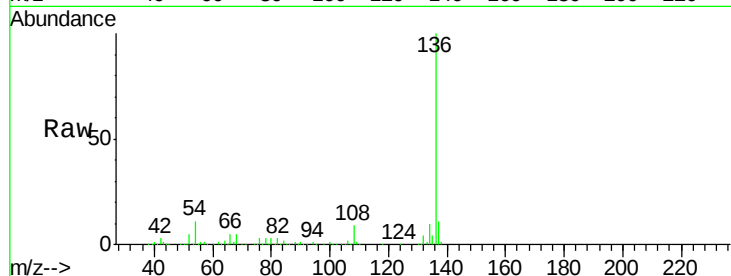
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 11.1 4.9 7.3#

68 5.2 4.1 6.1

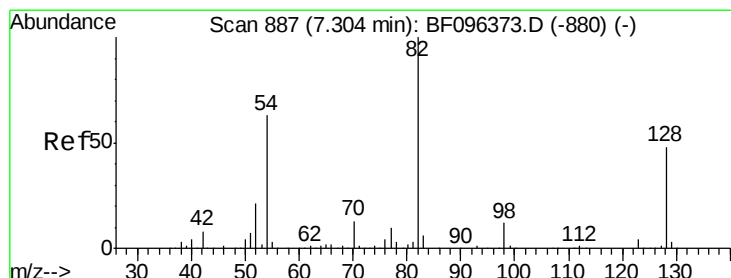
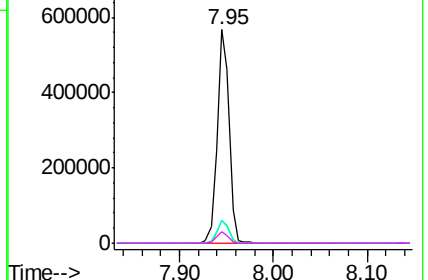
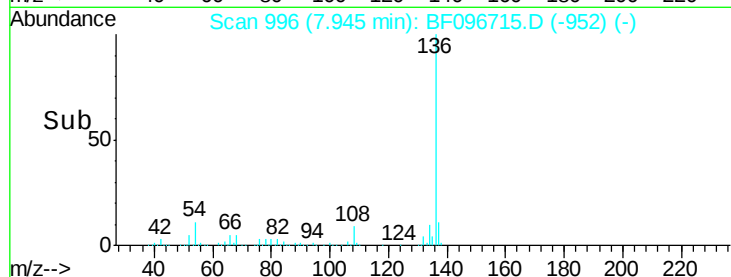


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 71.31 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

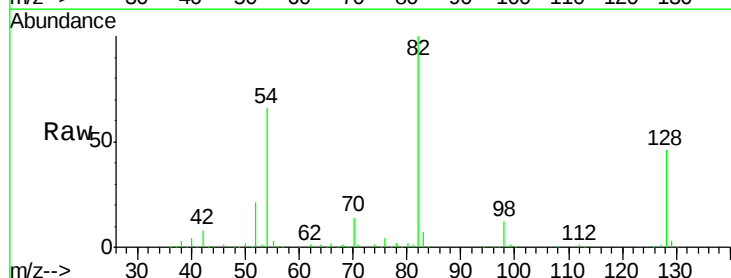
Tgt Ion: 82 Resp: 601800

Ion Ratio Lower Upper

82 100

128 46.1 34.0 51.0

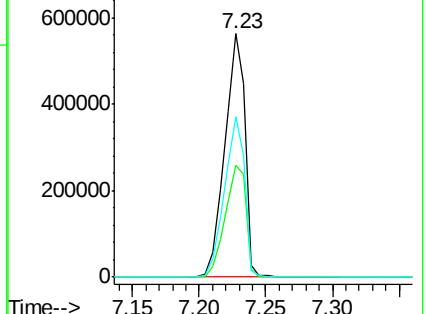
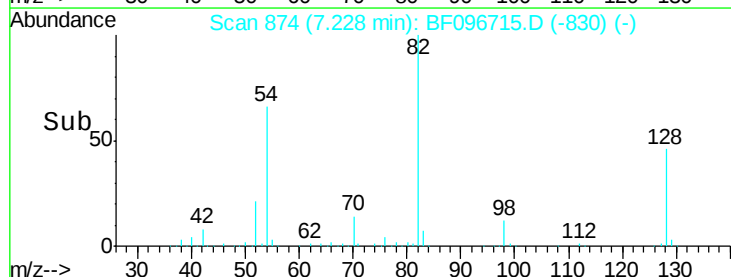
54 65.7 42.2 63.2#

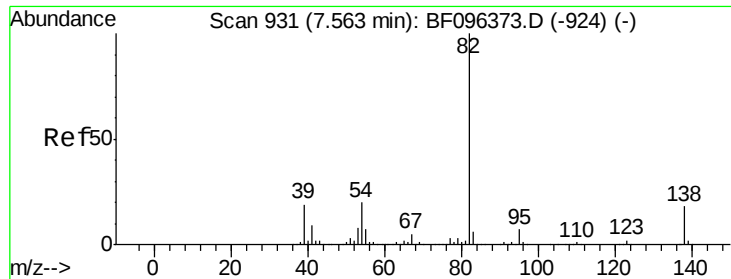


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.44 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.30 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampled :

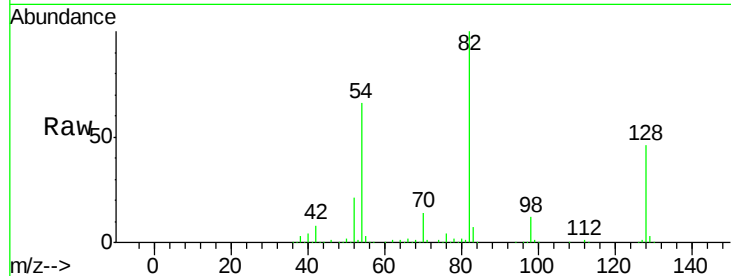
Tot Ion: 82 Resp: 596231

Ion Ratio Lower Upper

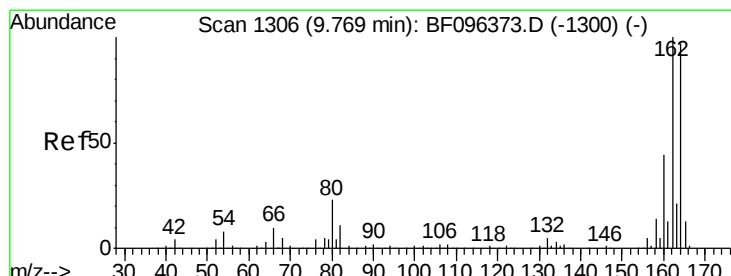
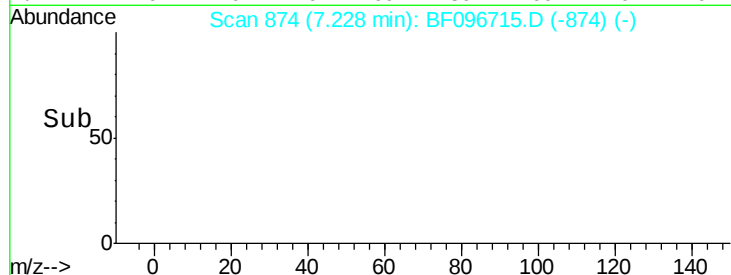
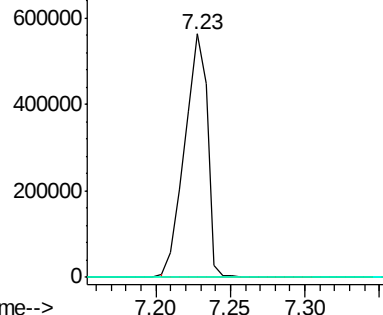
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

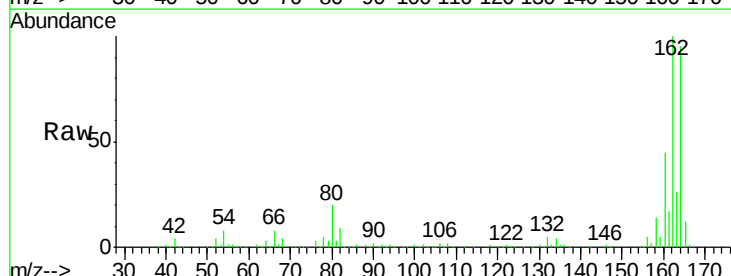
Tgt Ion:164 Resp: 212047

Ion Ratio Lower Upper

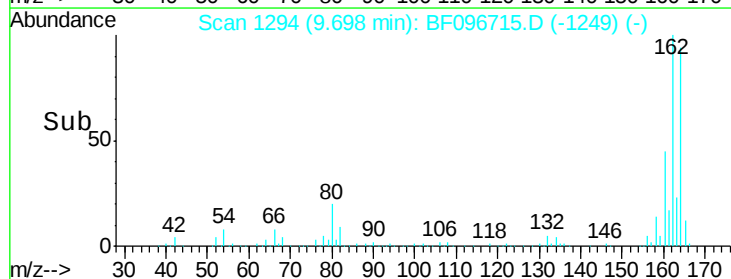
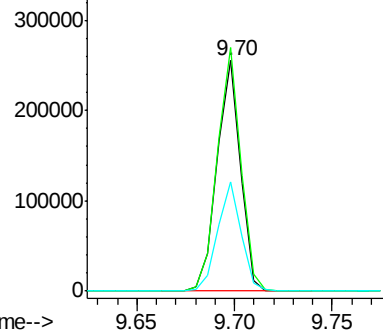
164 100

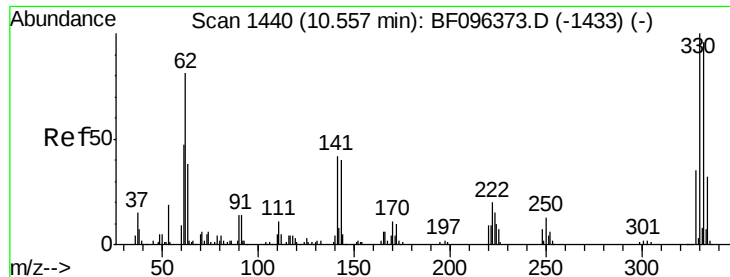
162 105.6 82.6 123.8

160 47.6 36.2 54.2



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

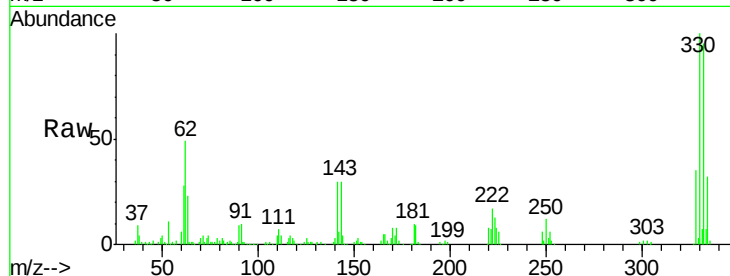




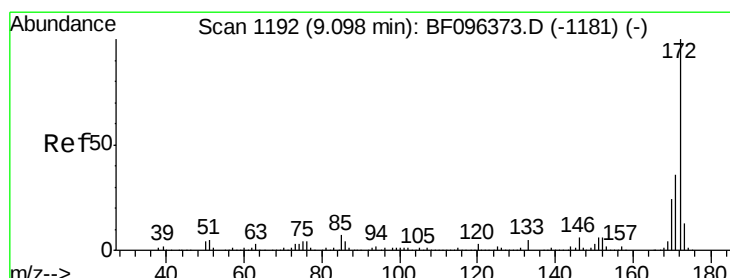
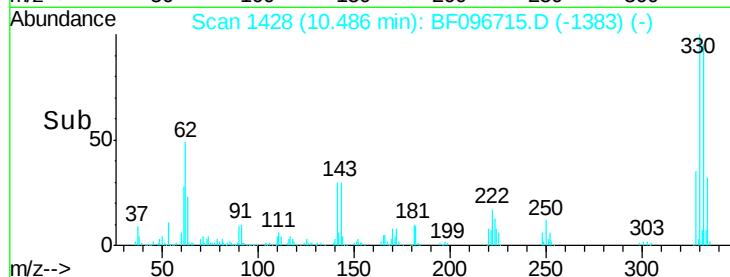
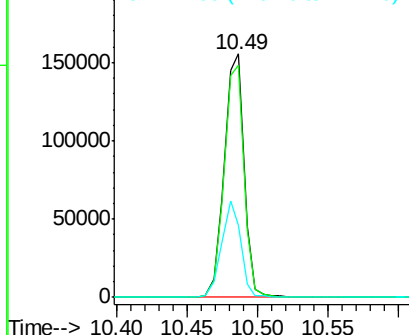
#41
 2,4,6-Tribromophenol
 Concen: 91.88 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.04 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	38.7	31.4	47.2

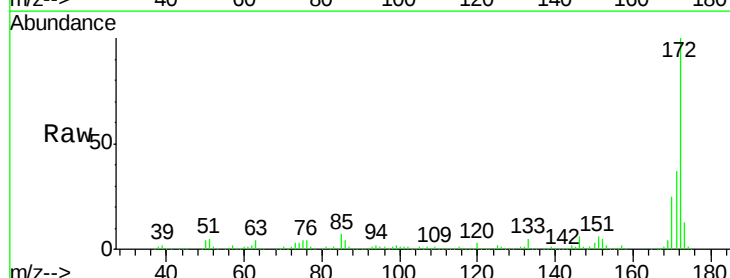


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

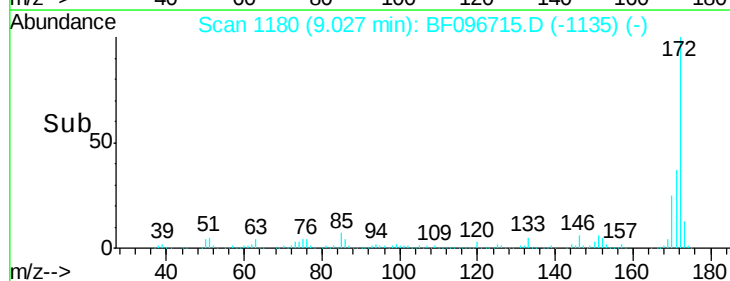
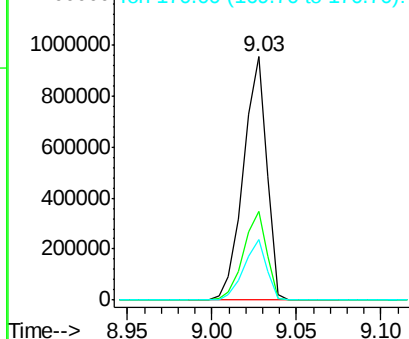


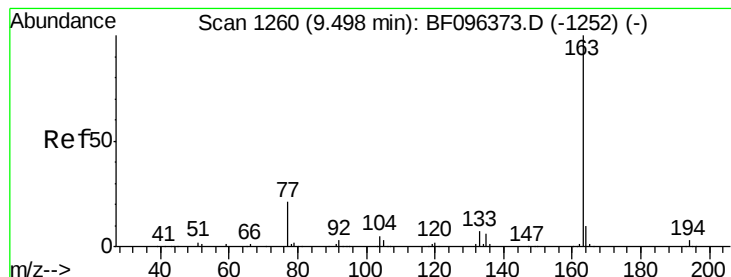
#44
 2-Fluorobiphenyl
 Concen: 74.77 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. -0.04 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.8	19.8	29.8



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





#49

Dimethylphthalate

Concen: 23.63 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampleId :

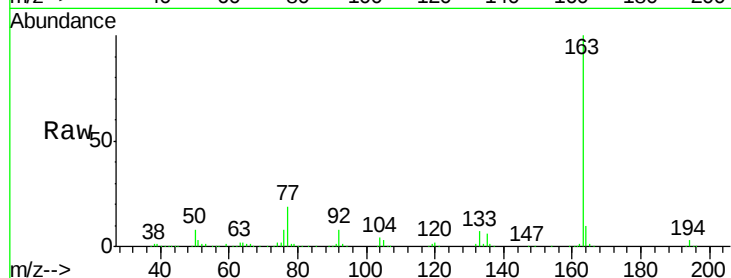
Tot Ion:163 Resp: 374006

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

164 9.7 8.4 12.6



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

600000

500000

400000

300000

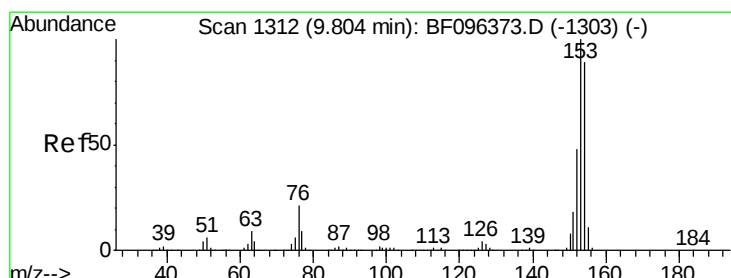
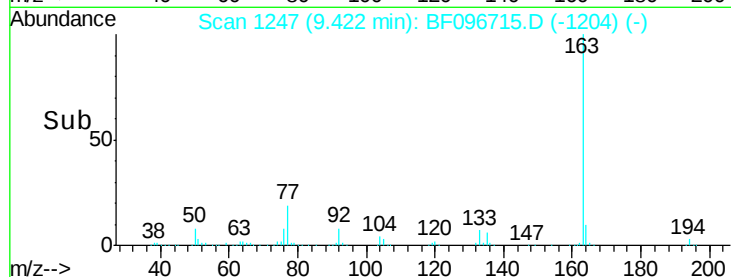
200000

100000

0

9.35 9.40 9.45 9.50

Time-->



#51

Acenaphthene

Concen: 2.41 ng

RT: 9.73 min Scan# 1299

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

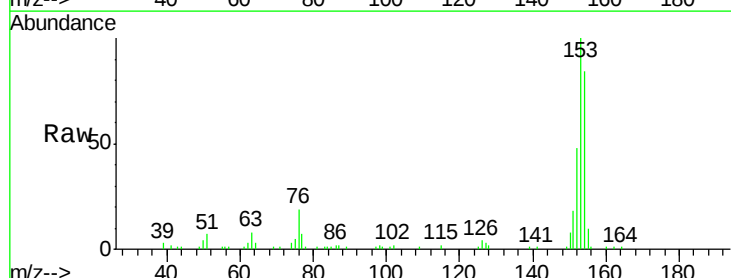
Tgt Ion:154 Resp: 31852

Ion Ratio Lower Upper

154 100

153 119.2 90.5 135.7

152 57.6 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

60000

50000

40000

30000

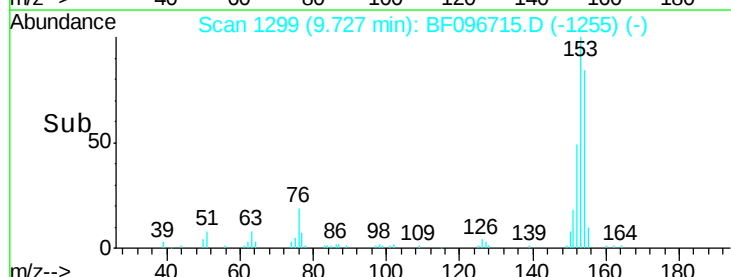
20000

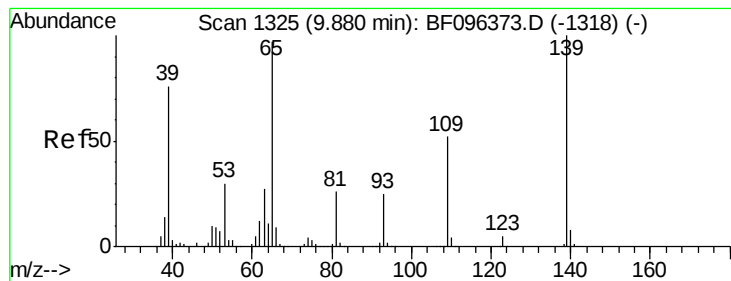
10000

0

9.65 9.70 9.75

Time-->





#55

4-Nitrophenol

Concen: 3.34 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.05 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampleId :

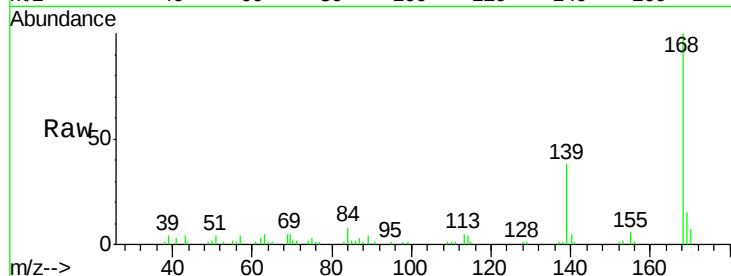
Tot Ion:139 Resp: 12074

Ion Ratio Lower Upper

139 100

109 2.3 34.1 74.1#

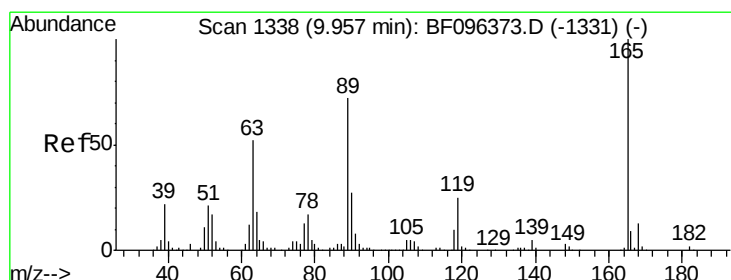
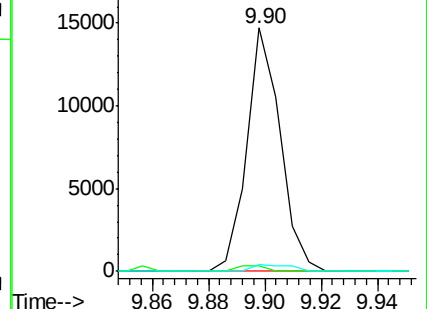
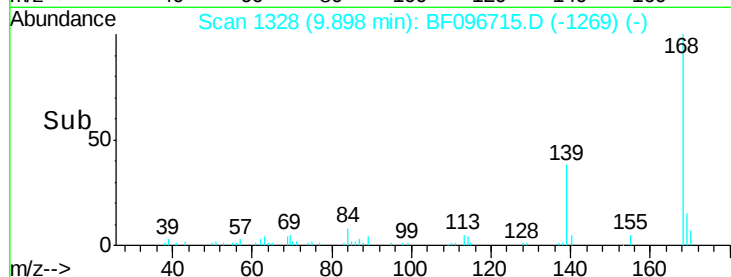
65 2.7 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#56

2,4-Dinitrotoluene

Concen: 6.34 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.23 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Tgt Ion:165 Resp: 28117

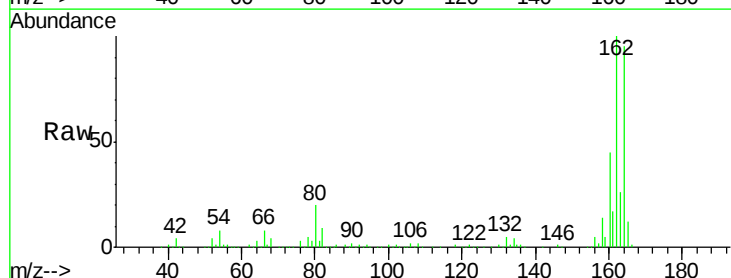
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.4 46.4 69.6#

182 0.0 1.8 2.6#

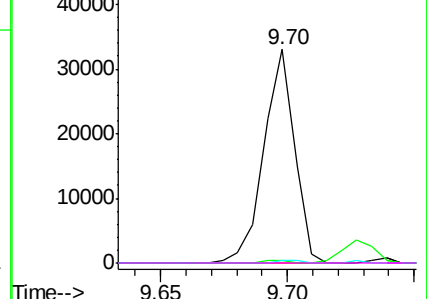
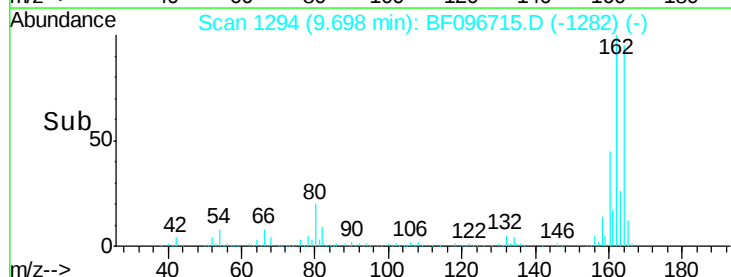


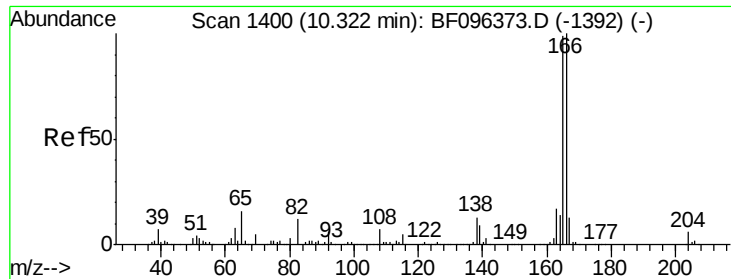
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): E

Ion 89.00 (88.70 to 89.70): E

Ion 182.00 (181.70 to 182.70): E

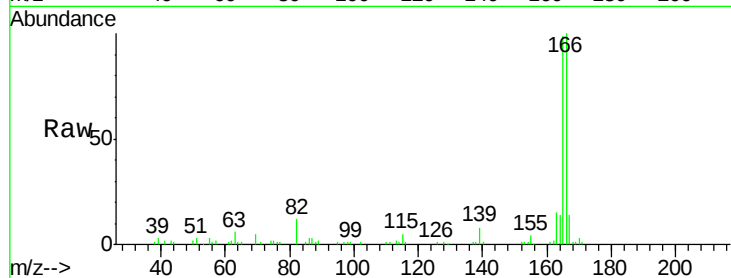




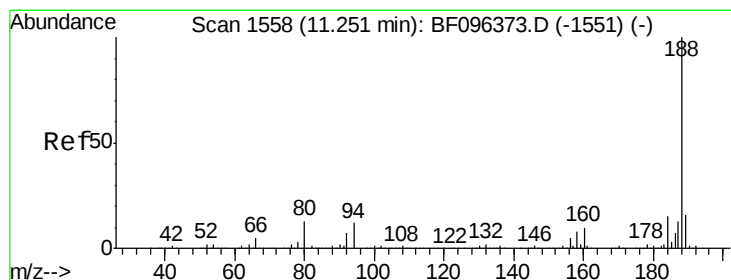
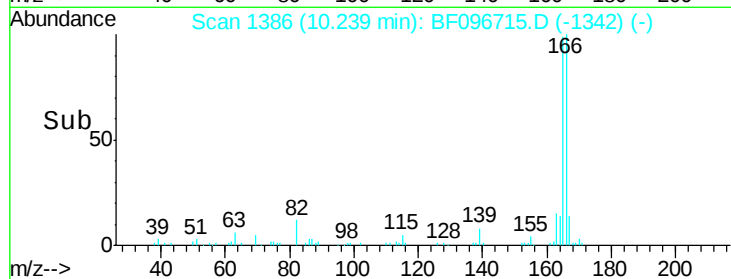
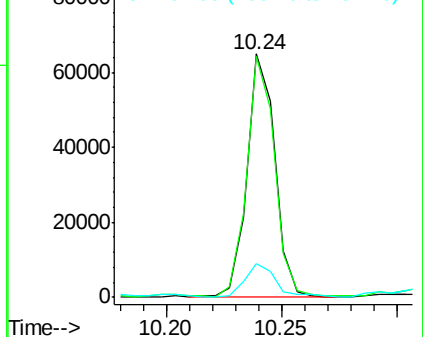
#57
Fluorene
 Concen: 4.48 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 55265
 Ion Ratio Lower Upper
 166 100
 165 99.0 78.8 118.2
 167 13.8 10.6 16.0

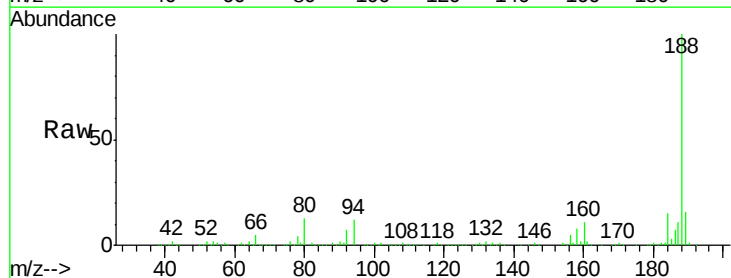


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

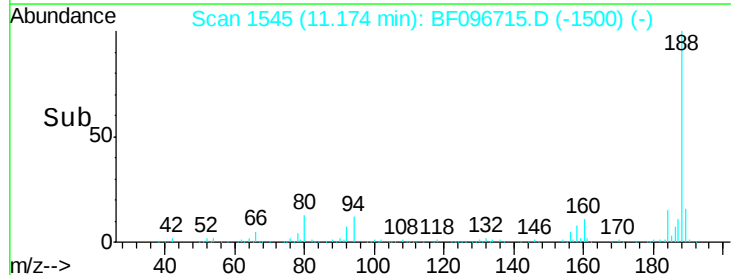
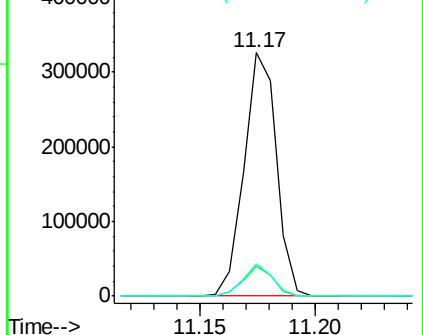


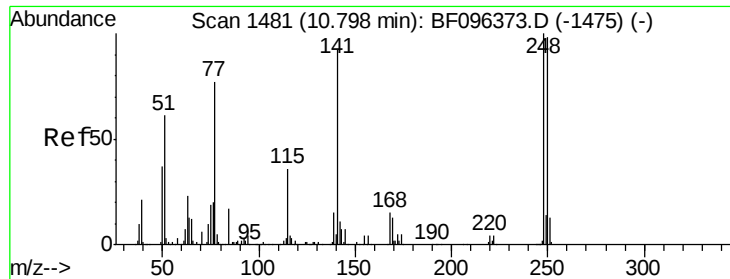
#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.04 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

Tgt Ion:188 Resp: 319545
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.4 14.2
 80 13.2 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

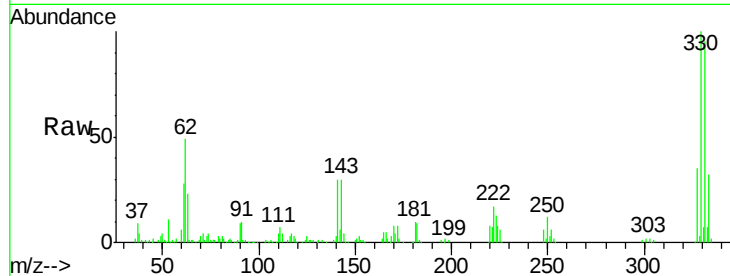




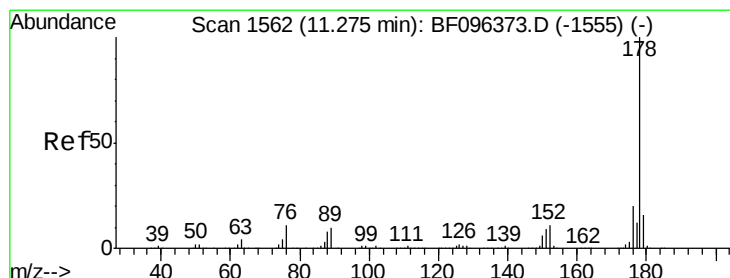
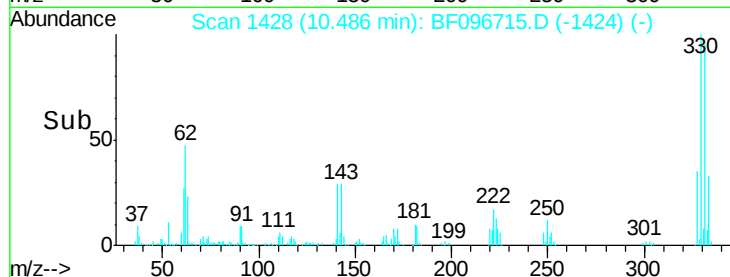
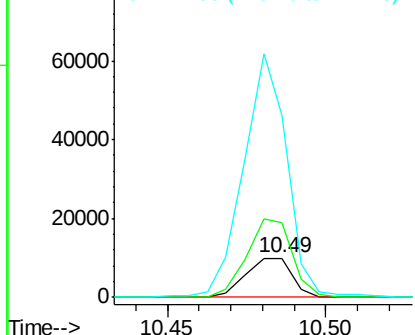
#66
 4-Bromophenyl-phenylether
 Concen: 3.23 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.28 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10050
 Ion Ratio Lower Upper
 248 100
 250 191.0 76.8 115.2#
 141 464.2 68.6 103.0#

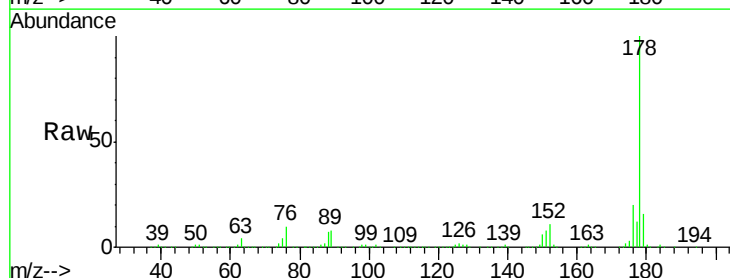


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

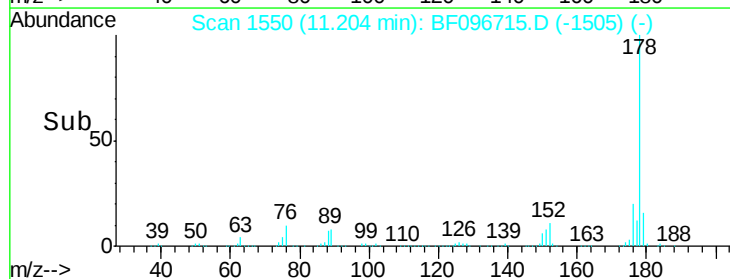
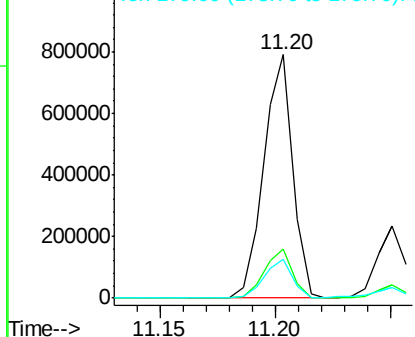


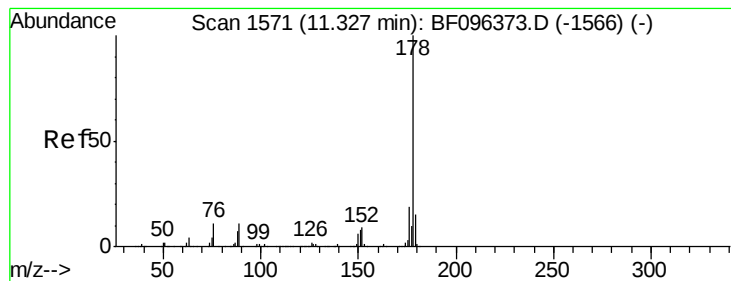
#70
 Phenanthrene
 Concen: 39.98 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. -0.04 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

Tgt Ion:178 Resp: 690688
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 15.7 12.6 19.0



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





#71

Anthracene

Concen: 10.64 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampleId :

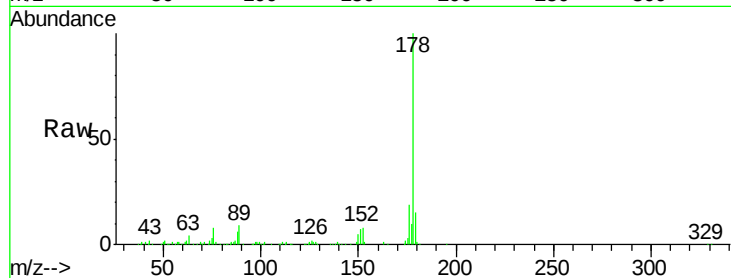
Tot Ion:178 Resp: 187346

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

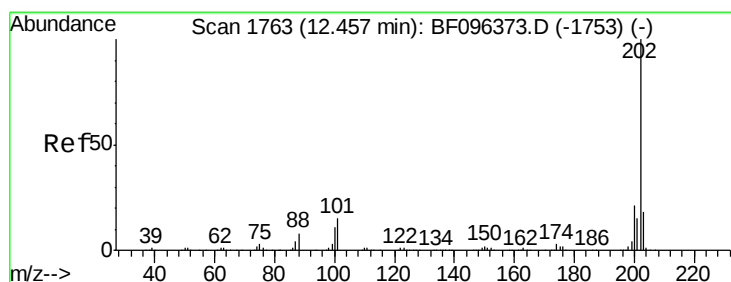
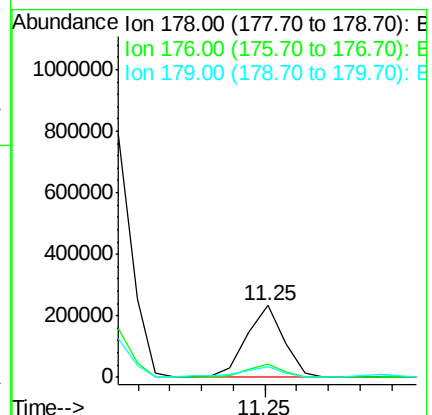
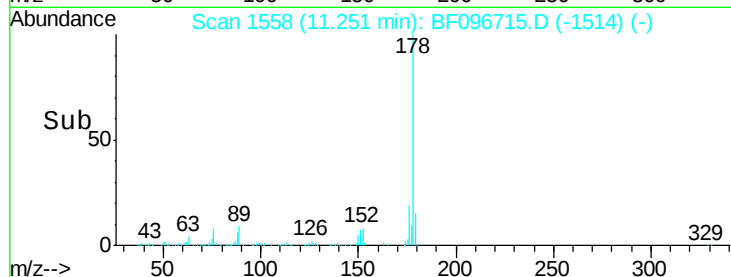
179 15.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 44.04 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

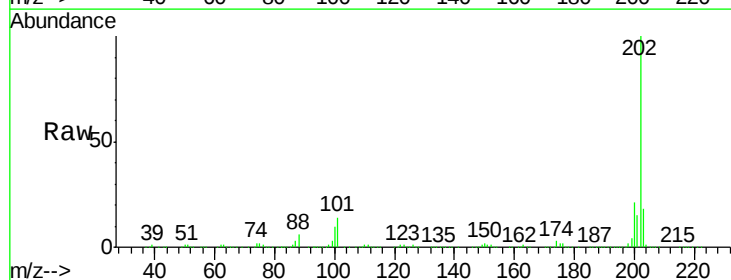
Tgt Ion:202 Resp: 745814

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

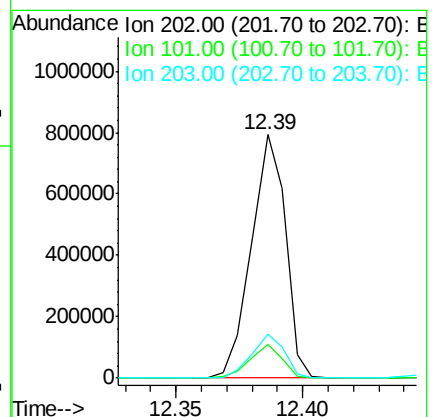
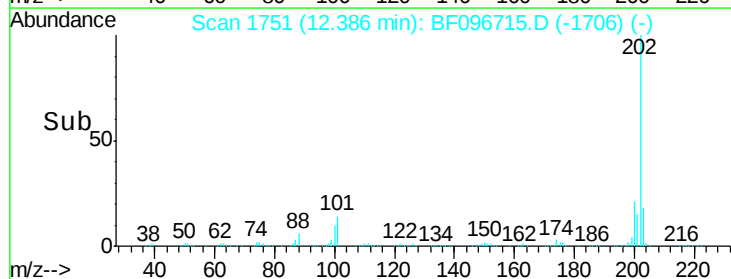
203 18.1 0.0 38.1

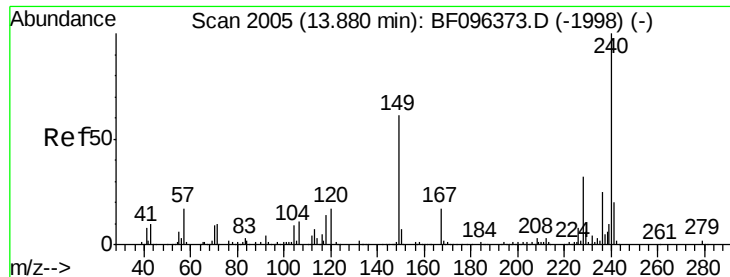


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampleId :

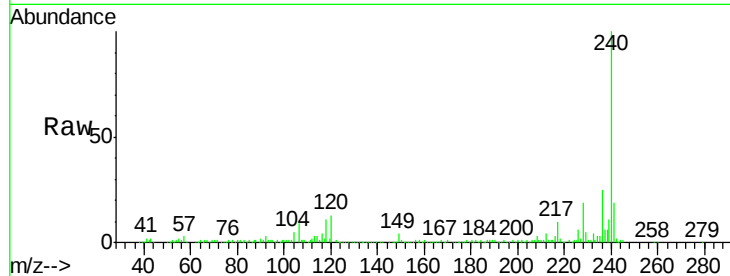
Tot Ion:240 Resp: 212695

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

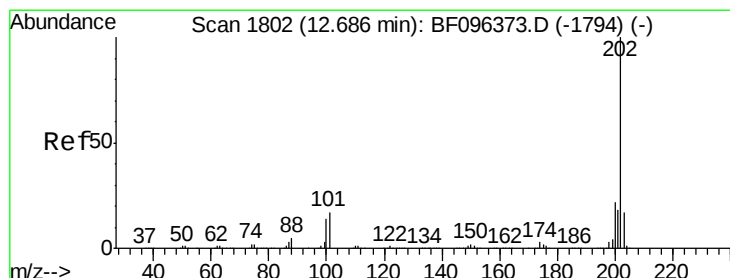
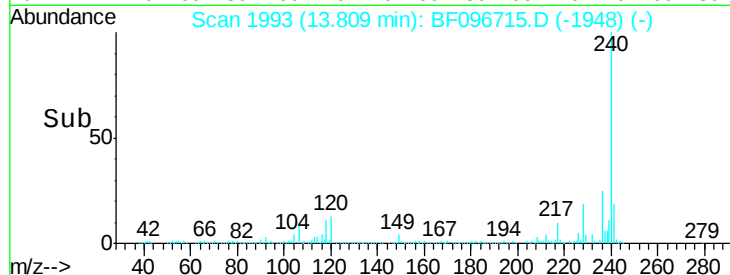
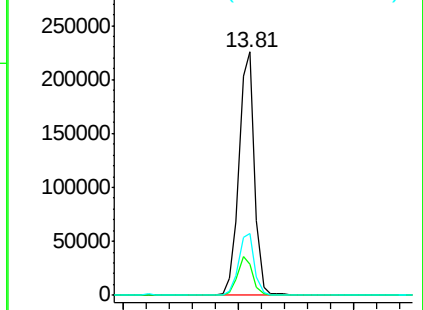
236 25.5 20.5 30.7



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



#77

Pyrene

Concen: 37.02 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

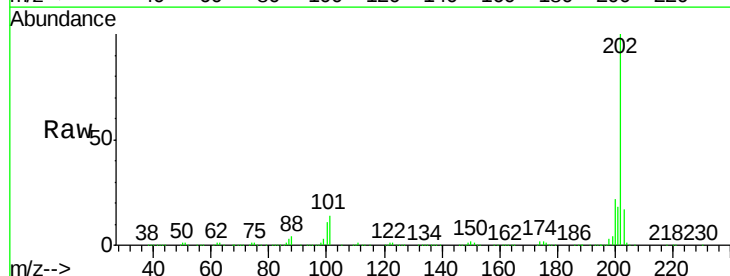
Tgt Ion:202 Resp: 632058

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

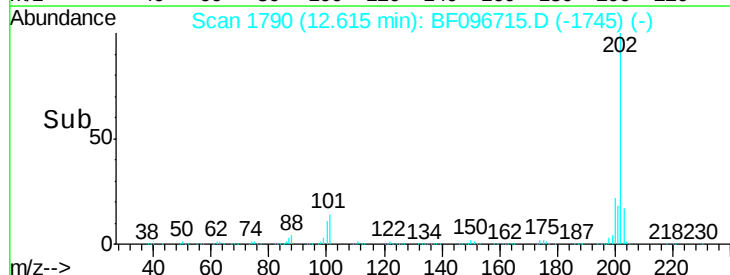
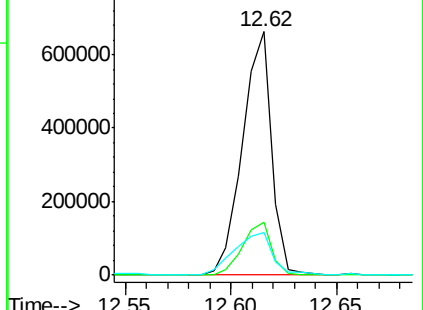
203 17.3 14.4 21.6

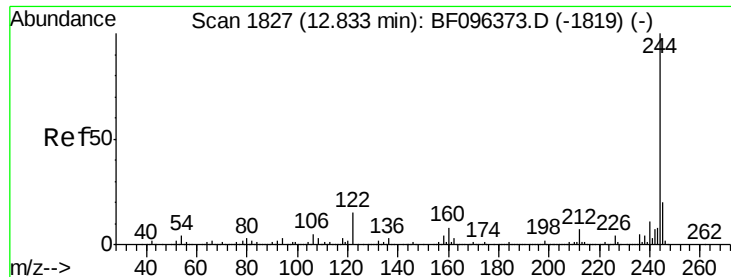


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

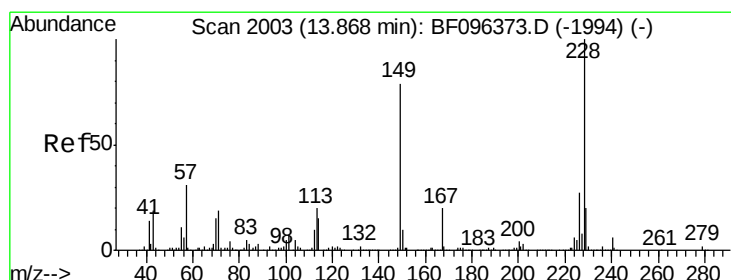
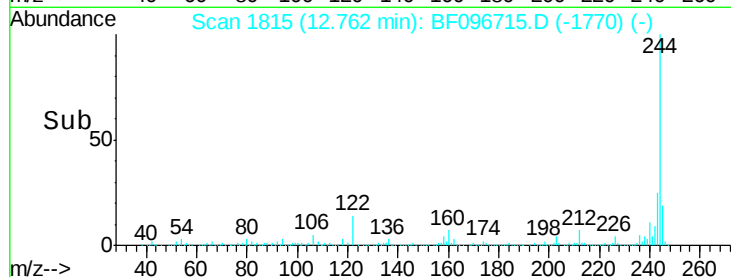
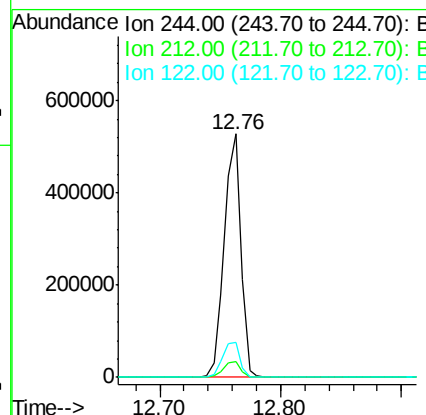
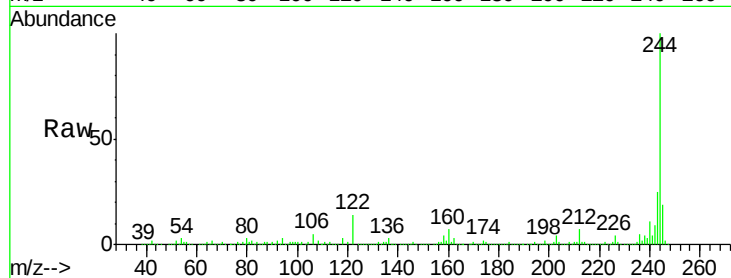




#78
 Terphenyl-d14
 Concen: 50.16 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.04 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

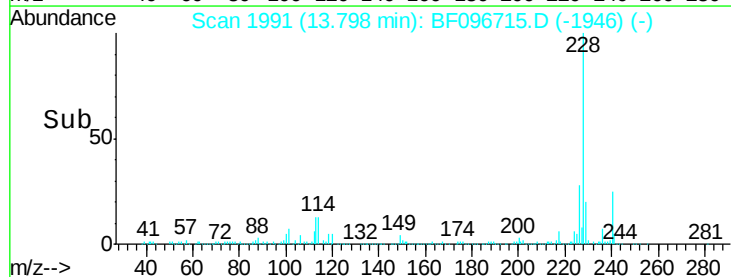
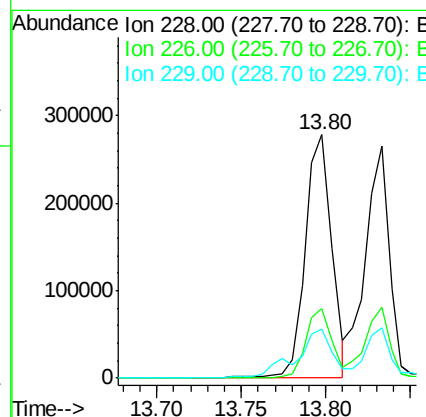
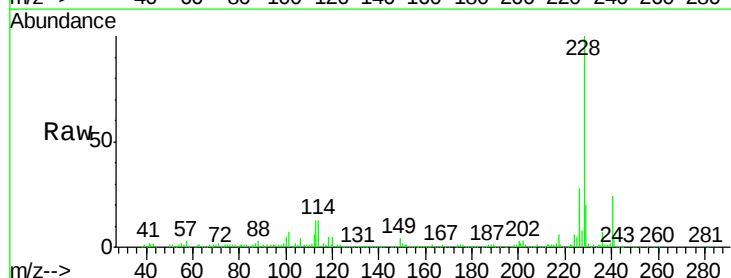
Instrument :
 BNA_F
 ClientSampleId :

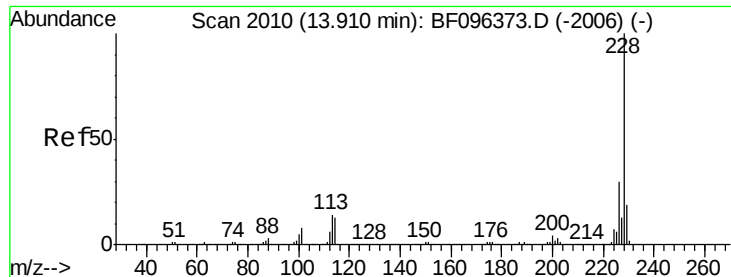
Tot Ion:244 Resp: 499243
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.2 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 24.43 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.04 min
 Lab File: BF096715.D
 Acq: 13 Jul 2017 3:05

Tgt Ion:228 Resp: 300841
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 20.1 16.3 24.5





#82

Chrysene

Concen: 20.42 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.04 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampleId :

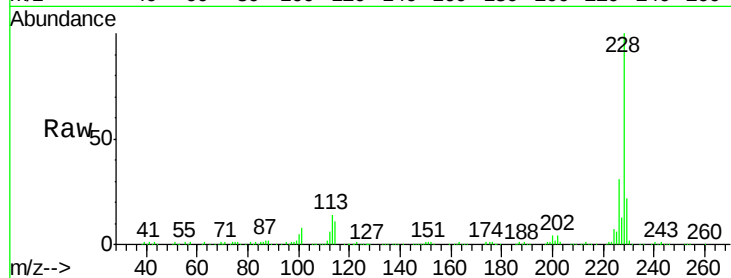
Tot Ion:228 Resp: 263378

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

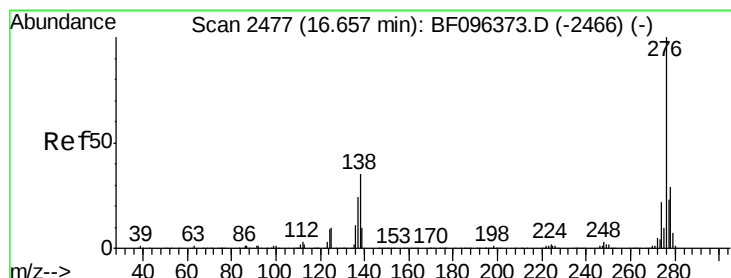
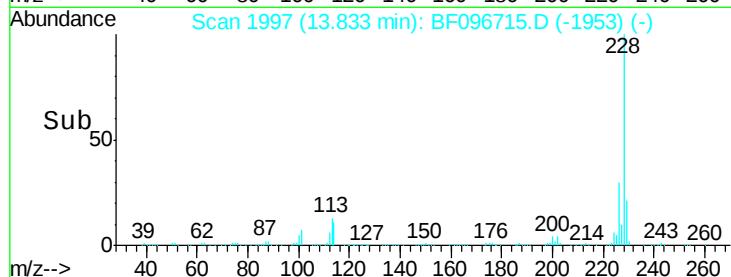
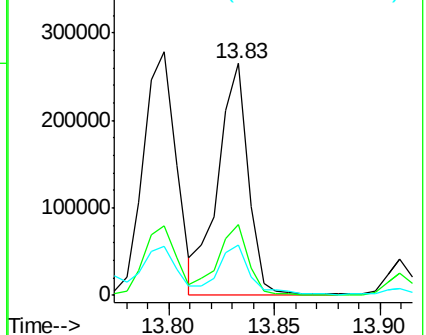
229 21.5 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.47 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.08 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

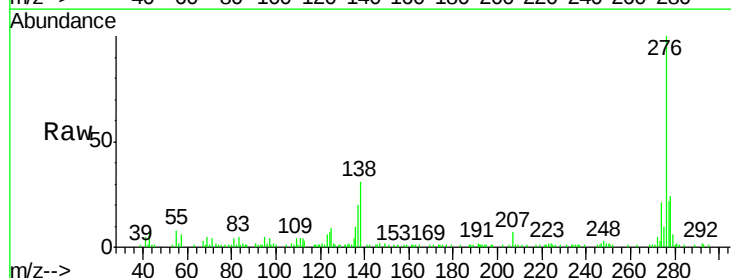
Tgt Ion:276 Resp: 106593

Ion Ratio Lower Upper

276 100

138 29.8 27.8 41.6

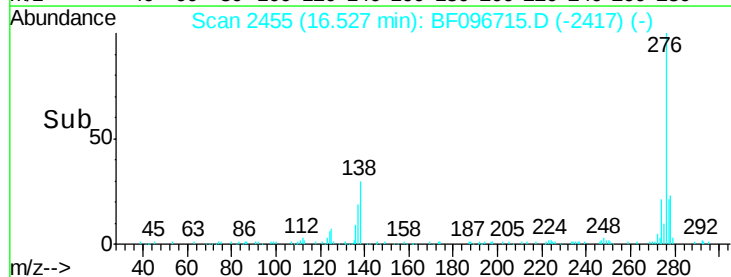
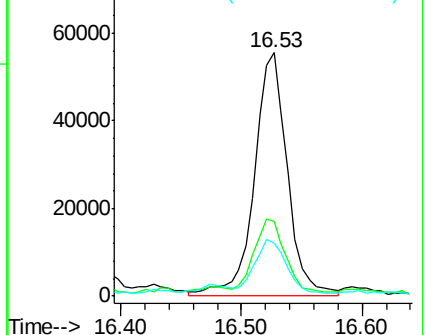
277 22.0 20.2 30.4

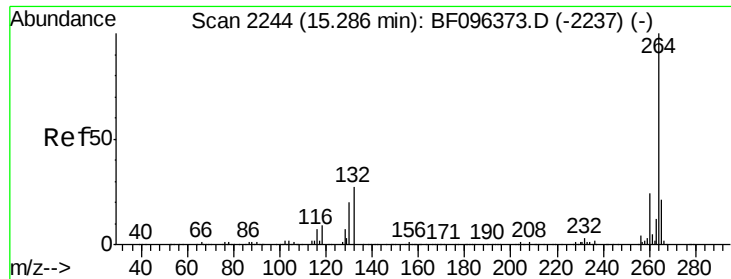


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

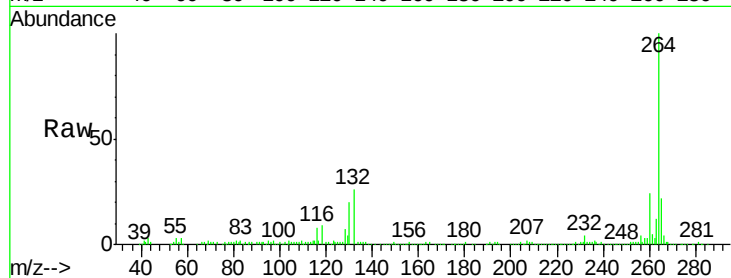




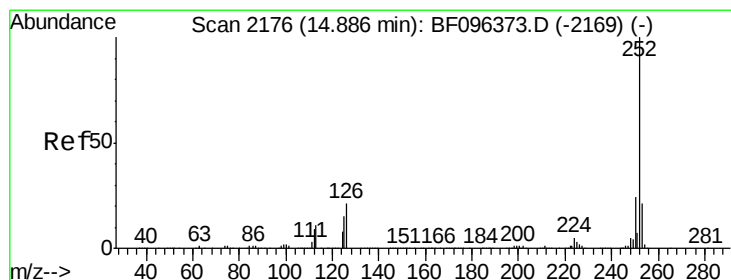
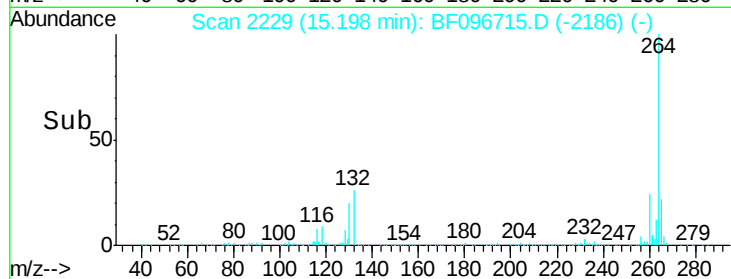
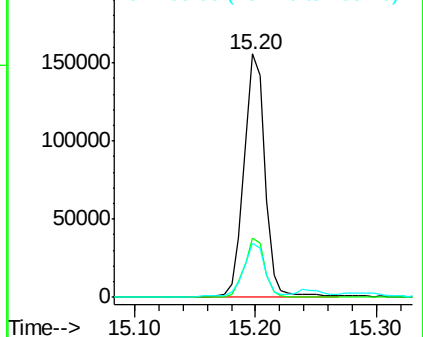
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.05 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 191562
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.0 17.2 25.8

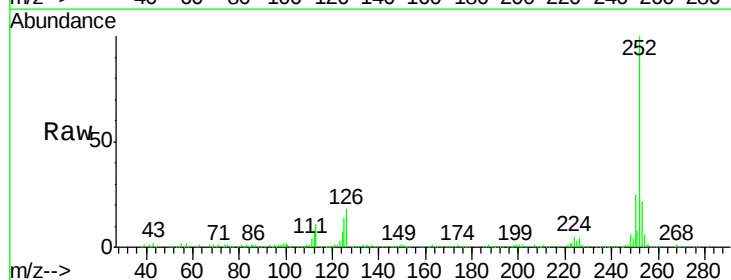


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

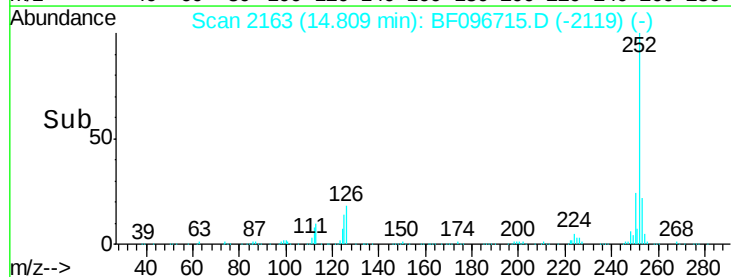
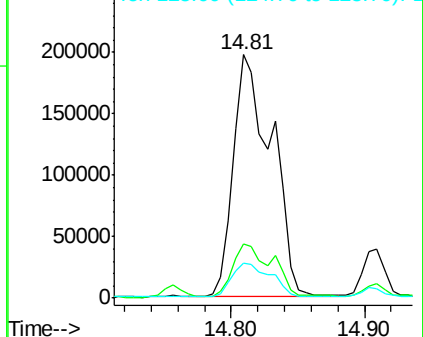


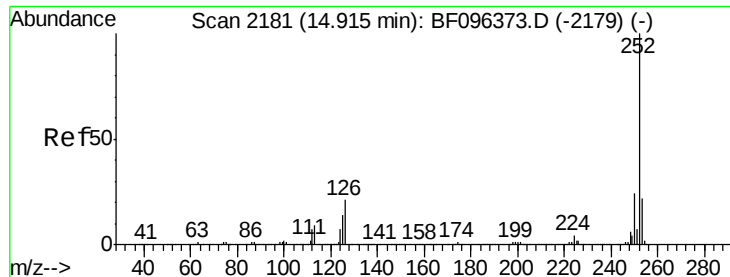
#87
Benzo(b)fluoranthene
Concen: 32.94 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:252 Resp: 395432
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 14.4 9.8 14.8



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

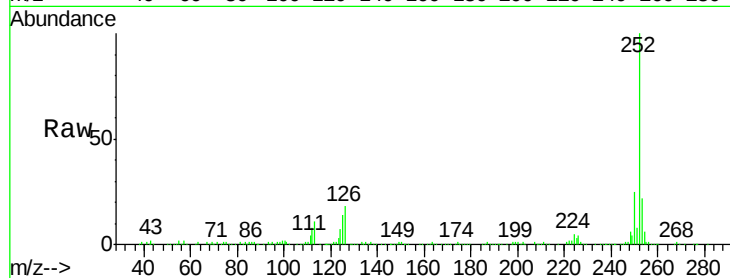




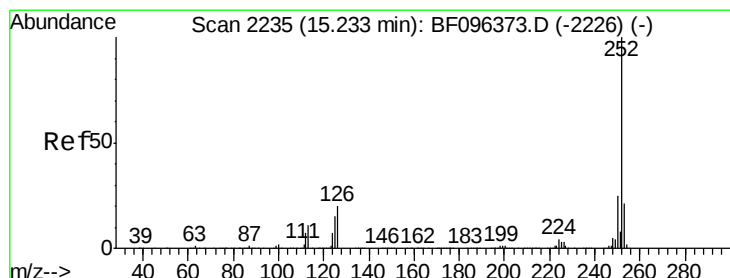
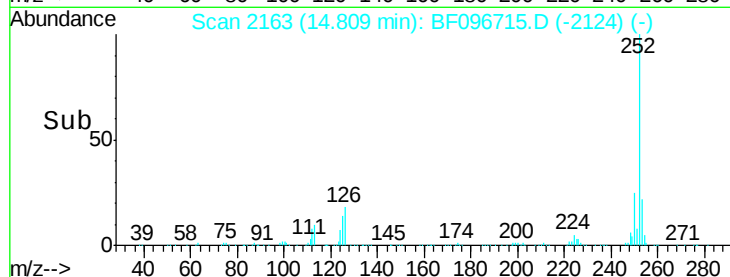
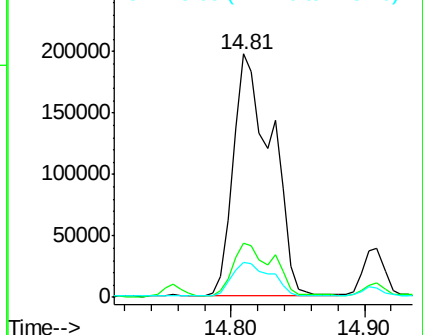
#88
Benzo(k)fluoranthene
Concen: 36.83 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.07 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	14.4	13.1	19.7

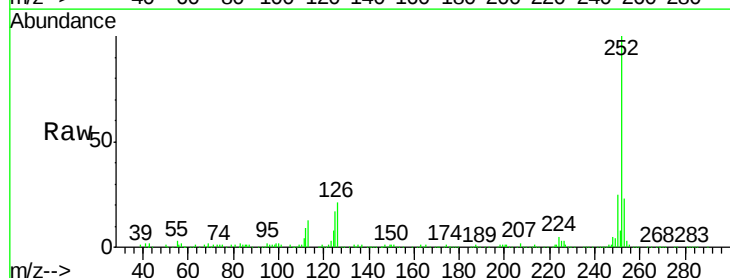


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

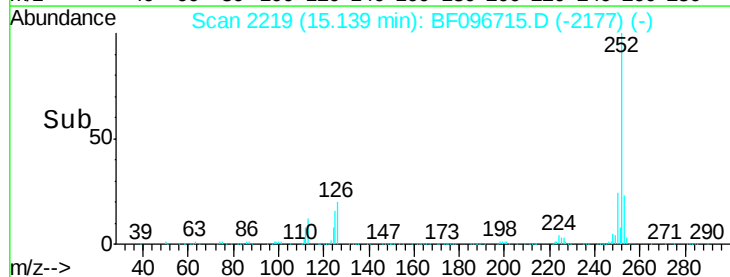
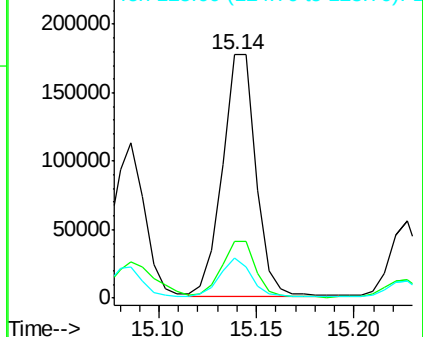


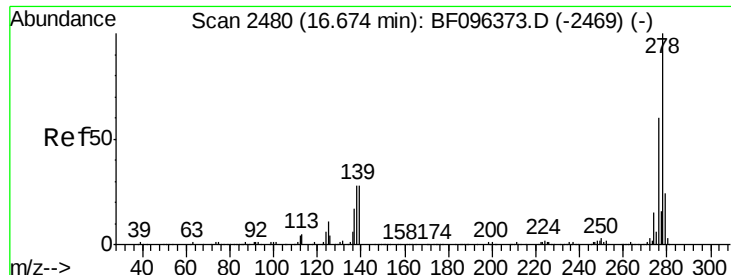
#89
Benzo(a)pyrene
Concen: 19.77 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.05 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.7	11.0	16.4



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





#90

Dibenzo(a,h)anthracene

Concen: 3.33 ng

RT: 16.53 min Scan# 2456

Delta R.T. -0.08 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

Instrument :

BNA_F

ClientSampleId :

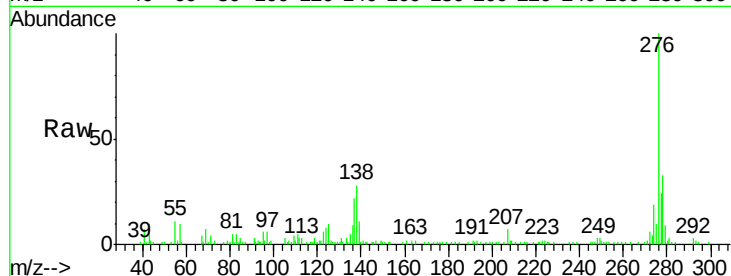
Tot Ion:278 Resp: 28069

Ion Ratio Lower Upper

278 100

139 34.6 16.6 24.8#

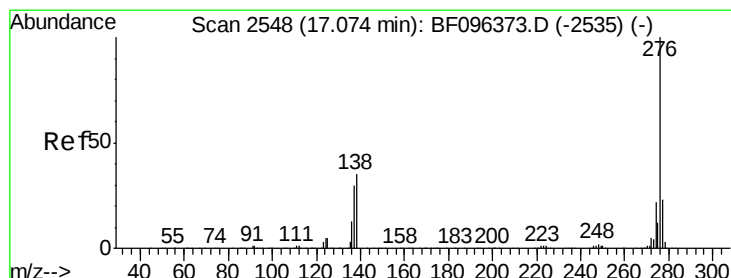
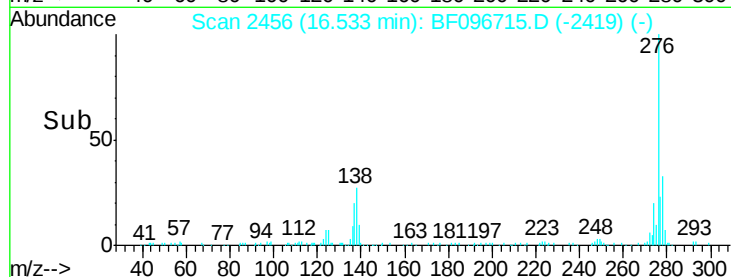
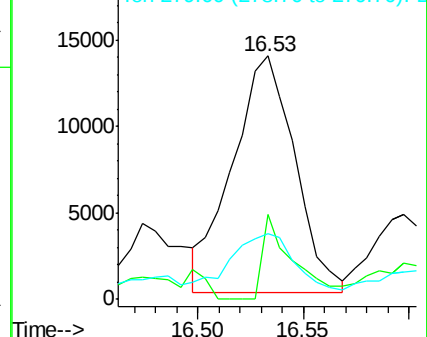
279 27.0 19.3 28.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.16 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.08 min

Lab File: BF096715.D

Acq: 13 Jul 2017 3:05

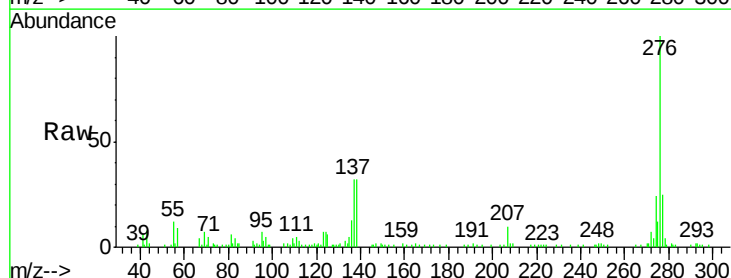
Tgt Ion:276 Resp: 80029

Ion Ratio Lower Upper

276 100

277 25.0 18.6 28.0

138 31.8 25.4 38.0



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

