

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086692.D
 Acq On : 4 May 2016 22:34
 Operator : UM/SJ
 Sample : H2715-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

Quant Time: May 05 01:38:21 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	158518	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	566352	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	226244	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	338088	40.00	ng	0.00
75) Chrysene-d12	13.89	240	318877	40.00	ng	0.01
86) Perylene-d12	15.29	264	230300	40.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1189602	124.24	ng	0.01
7) Phenol-d6	6.38	99	1504280	116.63	ng	0.01
23) Nitrobenzene-d5	7.31	82	1126270	102.19	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	271333	122.60	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1363219	98.77	ng	0.00
78) Terphenyl-d14	12.84	244	1000027	63.38	ng	0.00

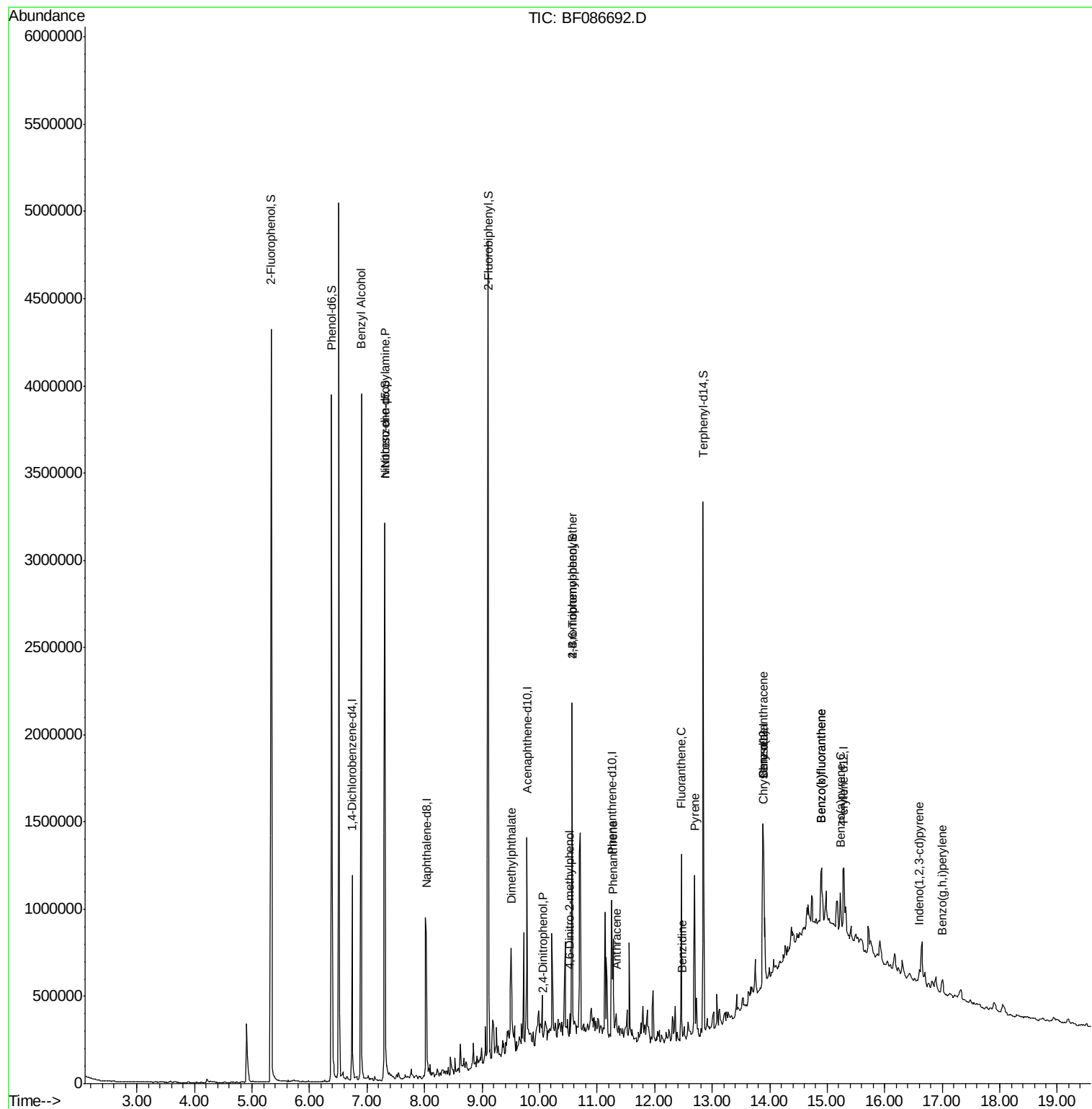
Target Compounds						Qvalue
15) Benzyl Alcohol	6.90	79	21807	2.61	ng	# 40
19) n-Nitroso-di-n-propylamine	7.31	70	163075	18.50	ng	# 76
49) Dimethylphthalate	9.50	163	150748	8.94	ng	98
53) 2,4-Dinitrophenol	10.06	184	479	9.36	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.52	198	282	5.40	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	16385	4.88	ng	# 1
70) Phenanthrene	11.28	178	214859	11.83	ng	100
71) Anthracene	11.33	178	66769	3.51	ng	98
74) Fluoranthene	12.46	202	401085	22.04	ng	96
76) Benzidine	12.48	184	601	7.15	ng	# 1
77) Pyrene	12.69	202	405775	15.96	ng	99
80) Benzo(a)anthracene	13.88	228	192069	10.65	ng	99
82) Chrysene	13.88	228	192069	9.98	ng	96
85) Indeno(1,2,3-cd)pyrene	16.60	276	68095	4.13	ng	# 91
87) Benzo(b)fluoranthene	14.90	252	256070	18.50	ng	96
88) Benzo(k)fluoranthene	14.90	252	256070	19.64	ng	# 94
89) Benzo(a)pyrene	15.23	252	126875	9.95	ng	# 89
91) Benzo(g,h,i)perylene	17.00	276	65538	5.10	ng	96

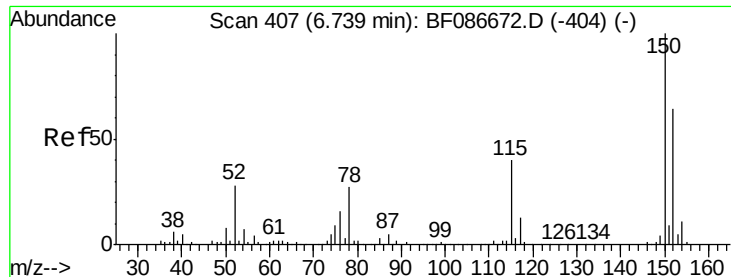
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

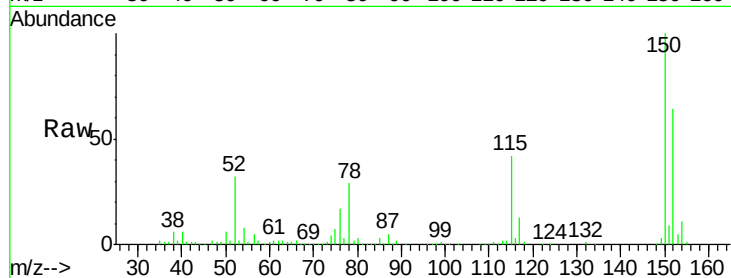
Tgt Ion:152 Resp: 158518

Ion Ratio Lower Upper

152 100

150 157.4 125.8 188.6

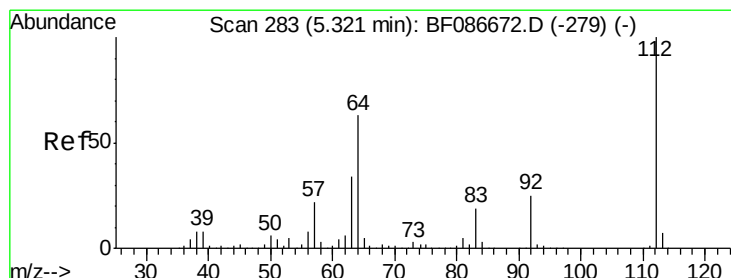
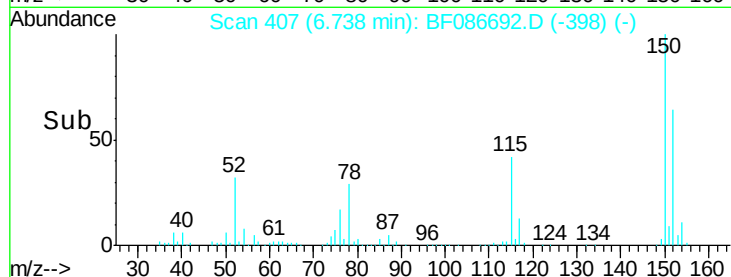
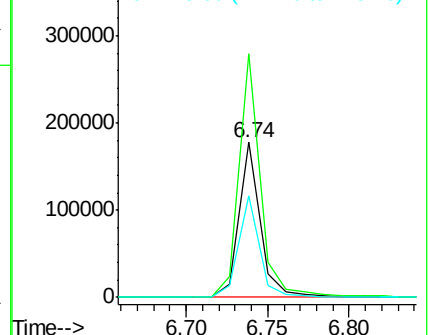
115 65.8 51.5 77.3



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: 124.24 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

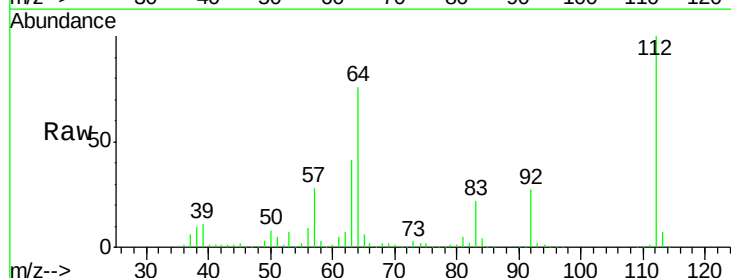
Tgt Ion:112 Resp: 1189602

Ion Ratio Lower Upper

112 100

64 75.6 52.1 78.1

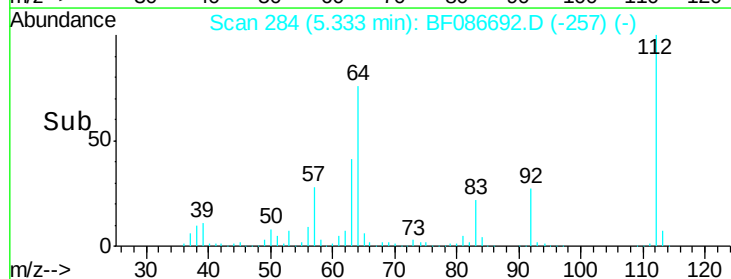
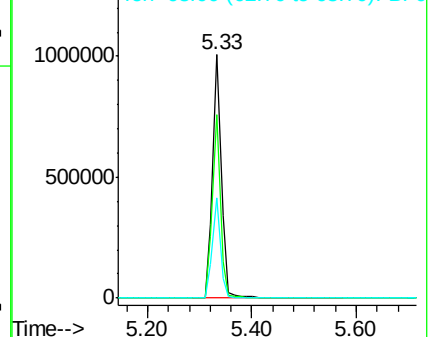
63 41.1 25.7 38.5

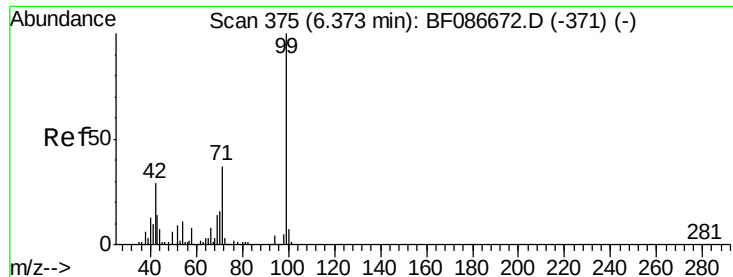


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.63 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

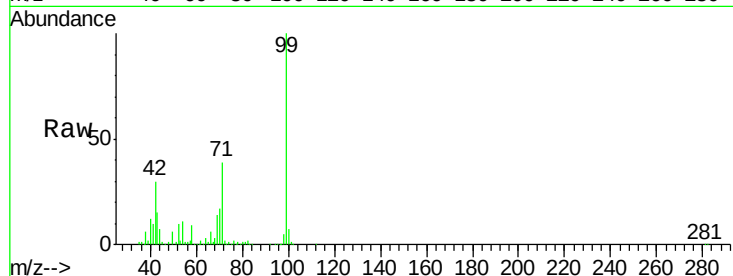
Tgt Ion: 99 Resp: 1504280

Ion Ratio Lower Upper

99 100

42 30.4 13.6 20.4#

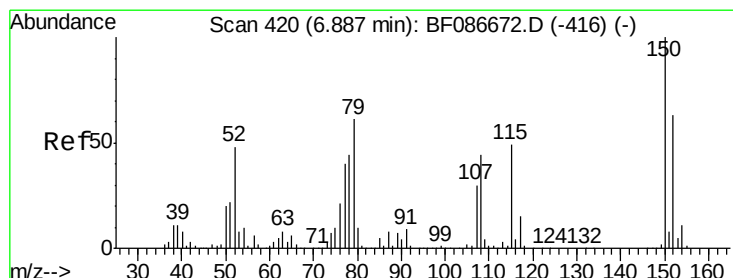
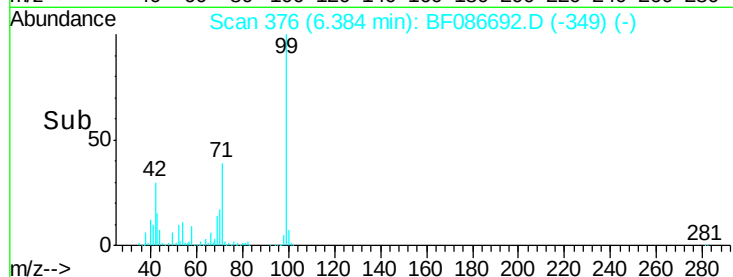
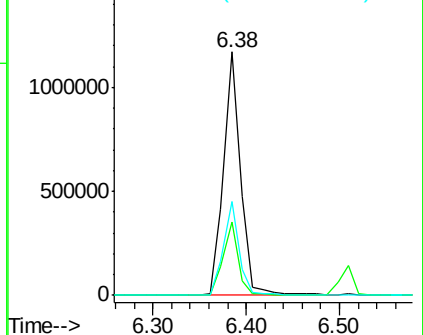
71 38.8 24.6 36.8#



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



#15

Benzyl Alcohol

Concen: 2.61 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

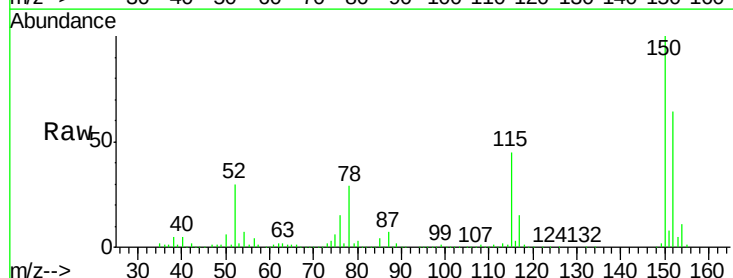
Tgt Ion: 79 Resp: 21807

Ion Ratio Lower Upper

79 100

108 34.5 68.4 102.6#

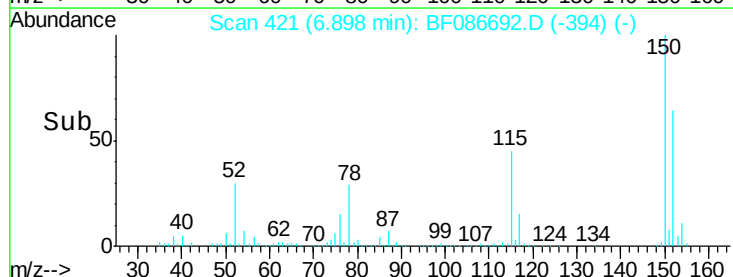
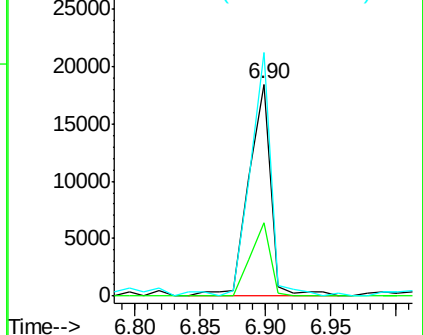
77 114.7 50.6 76.0#

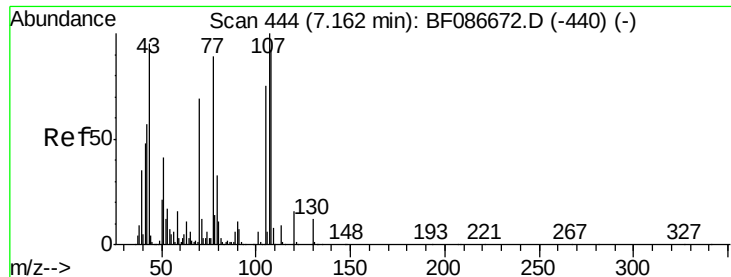


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 18.50 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.15 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

Tgt Ion: 70 Resp: 163075

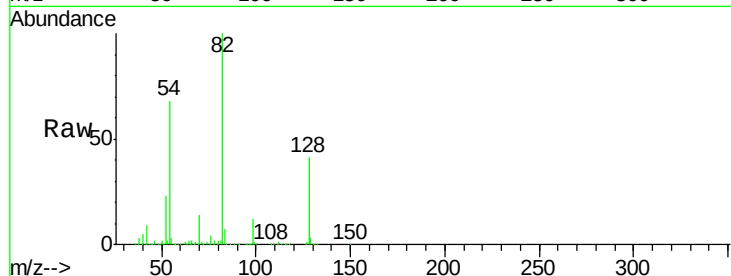
Ion Ratio Lower Upper

70 100

42 64.2 43.1 64.7

101 0.0 8.1 12.1#

130 2.2 18.6 28.0#



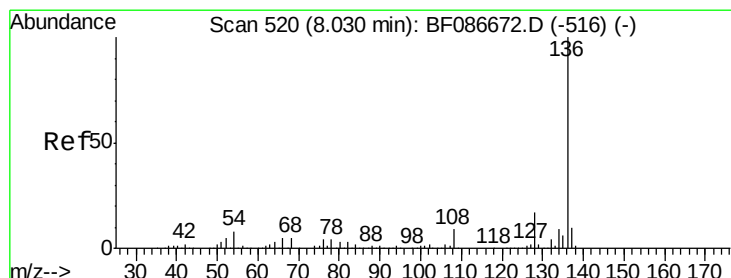
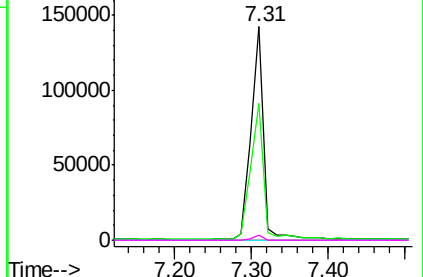
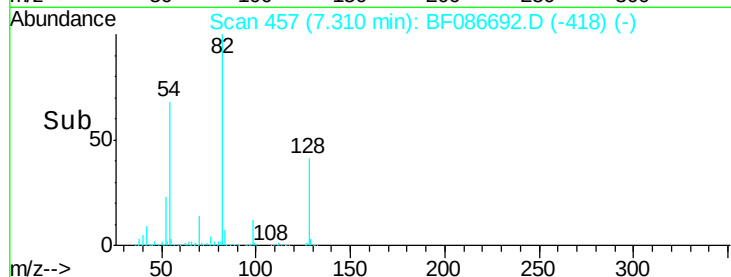
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Tgt Ion: 136 Resp: 566352

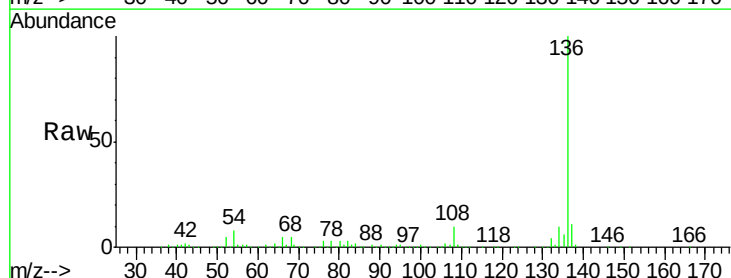
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.8 5.0 7.4#

68 4.9 4.4 6.6



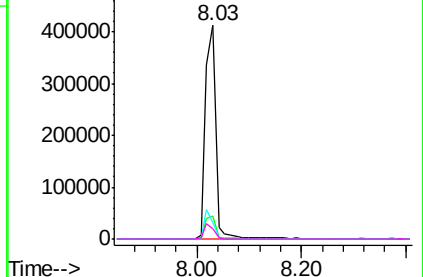
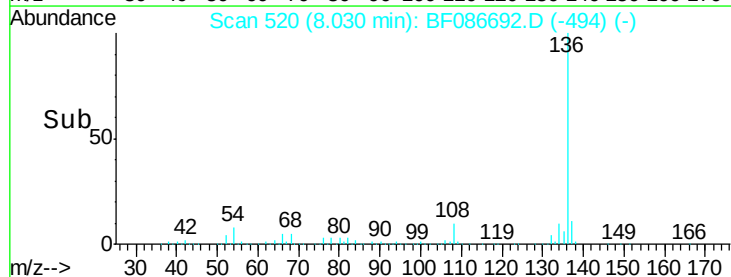
Abundance Ion 136.00 (135.70 to 136.70): E

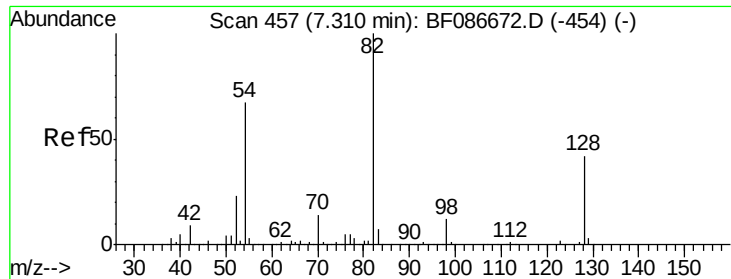
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->

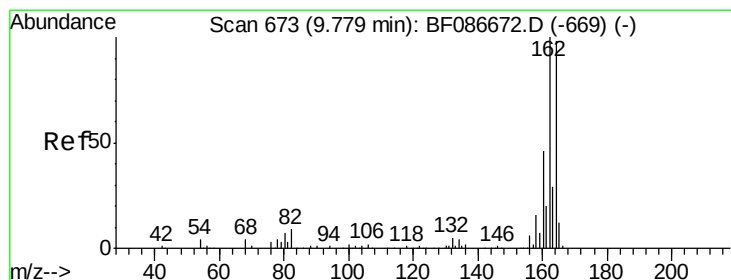
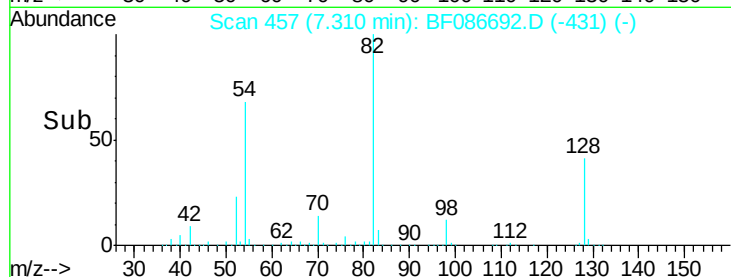
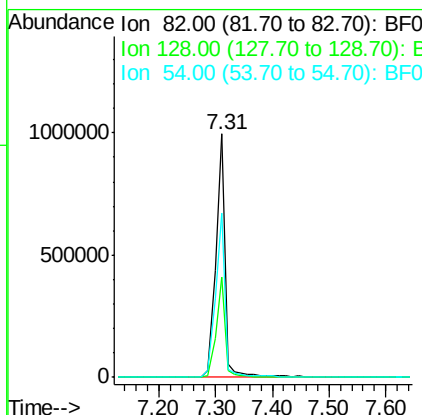
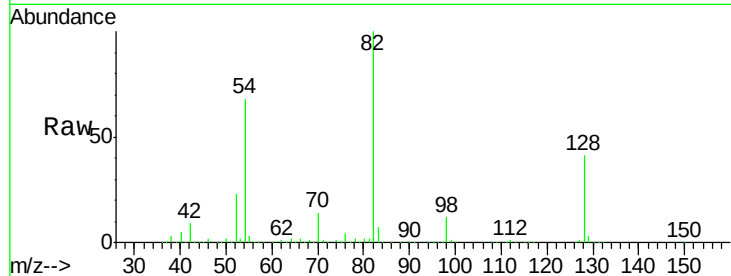




#23
 Nitrobenzene-d5
 Concen: 102.19 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

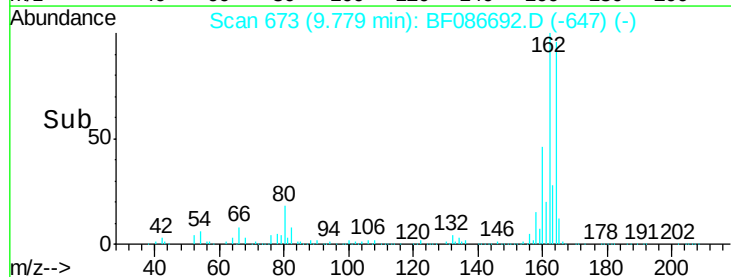
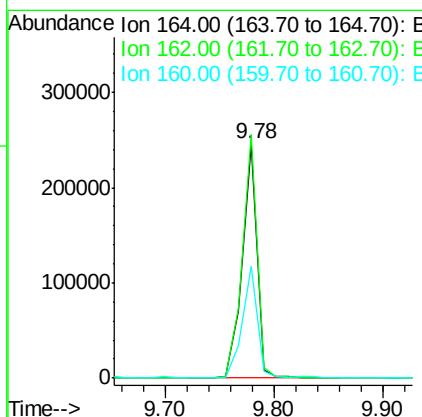
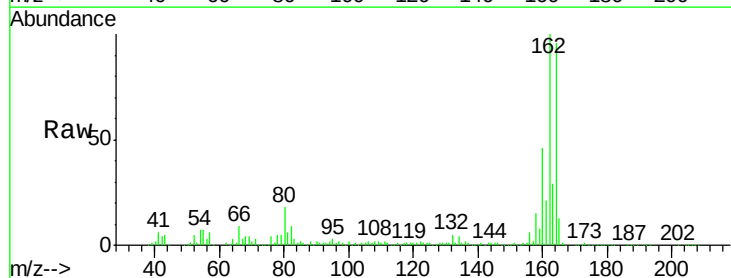
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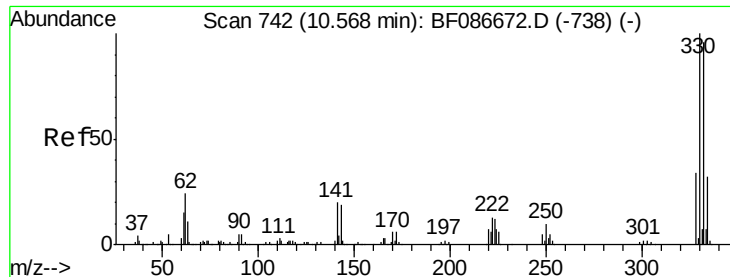
Tgt Ion: 82 Resp: 1126270
 Ion Ratio Lower Upper
 82 100
 128 41.2 40.6 61.0
 54 67.6 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Tgt Ion: 164 Resp: 226244
 Ion Ratio Lower Upper
 164 100
 162 104.2 82.8 124.2
 160 48.1 36.9 55.3

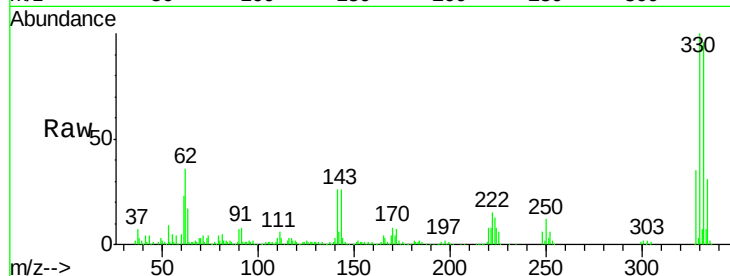




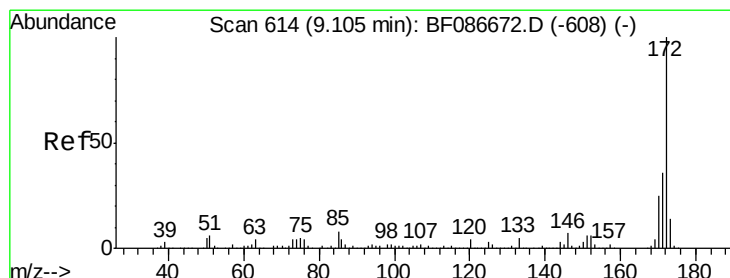
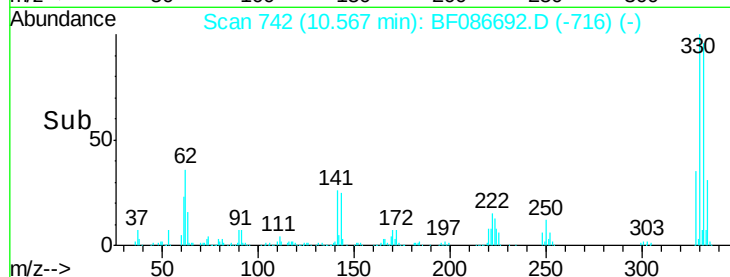
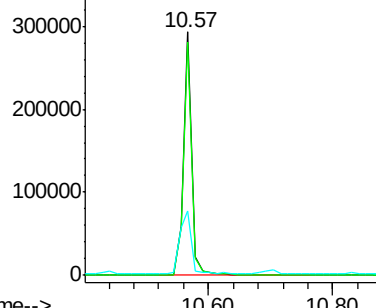
#41
 2,4,6-Tribromophenol
 Concen: 122.60 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

Tgt Ion:330 Resp: 271333
 Ion Ratio Lower Upper
 330 100
 332 95.7 79.0 118.4
 141 37.7 31.2 46.8

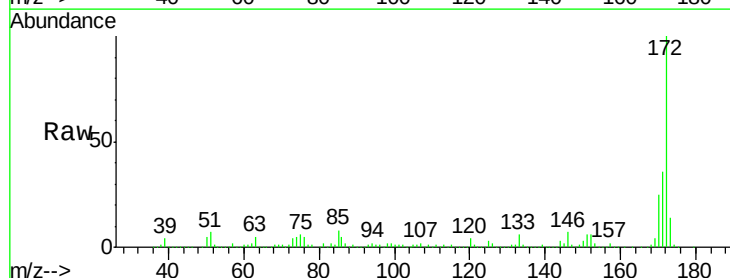


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

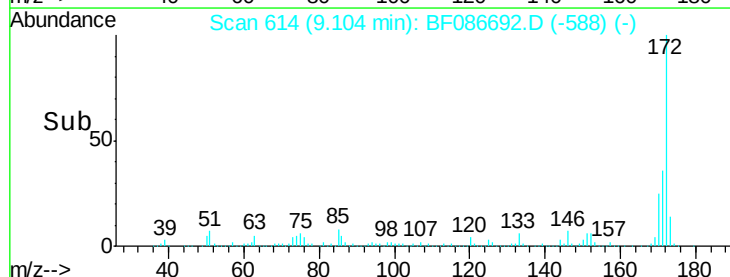
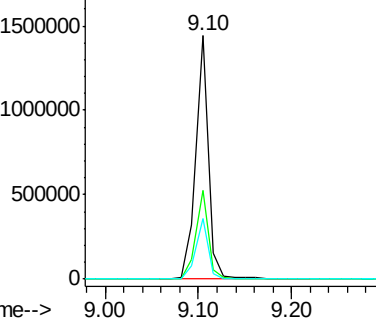


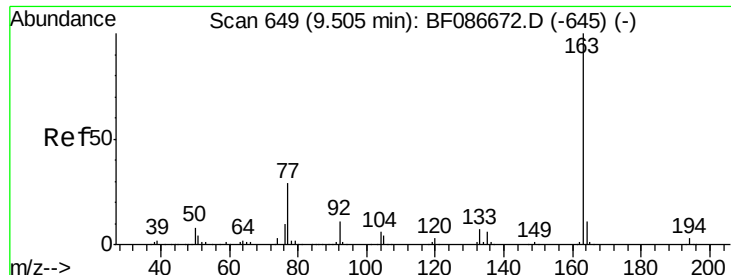
#44
 2-Fluorobiphenyl
 Concen: 98.77 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Tgt Ion:172 Resp: 1363219
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.9 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

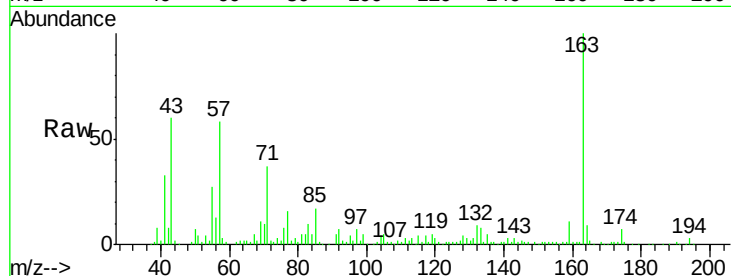




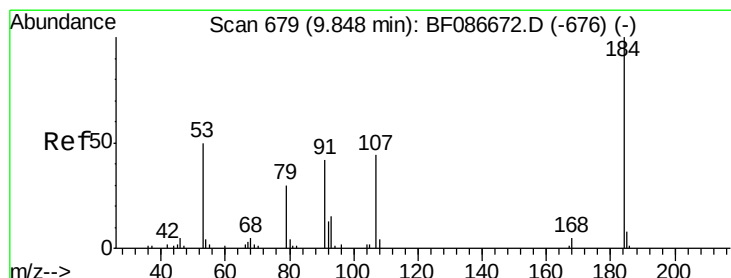
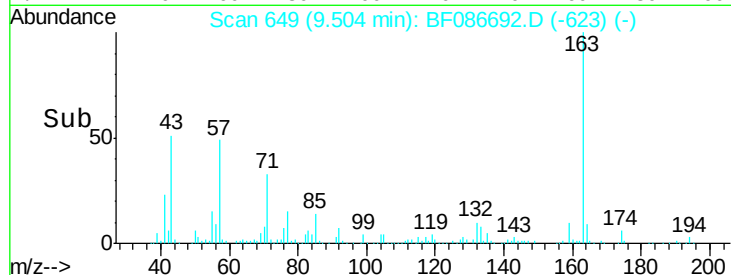
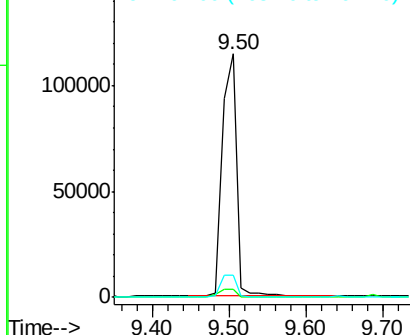
#49
Dimethylphthalate
Concen: 8.94 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
26WARD-5-CS-1(0-6FTBGS)

Tgt Ion:163 Resp: 150748
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.2 8.2 12.4

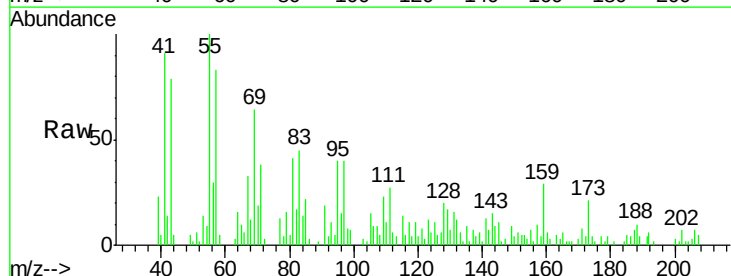


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

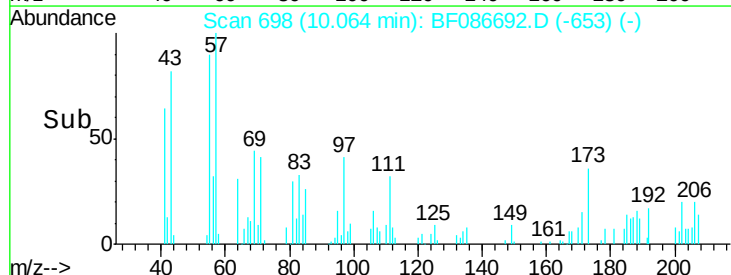
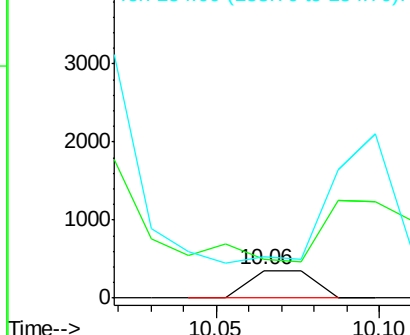


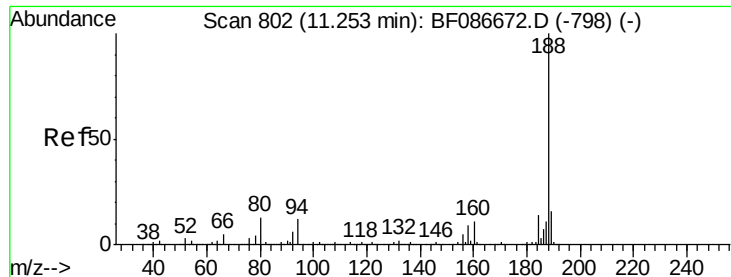
#53
2,4-Dinitrophenol
Concen: 9.36 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.22 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Tgt Ion:184 Resp: 479
Ion Ratio Lower Upper
184 100
63 138.3 55.8 83.8#
154 150.4 62.4 93.6#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.25 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

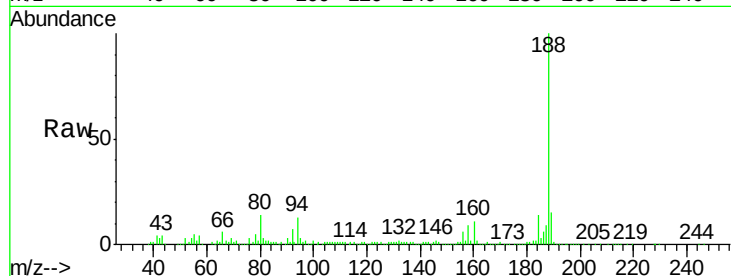
Tgt Ion:188 Resp: 338088

Ion Ratio Lower Upper

188 100

94 13.2 6.8 10.2#

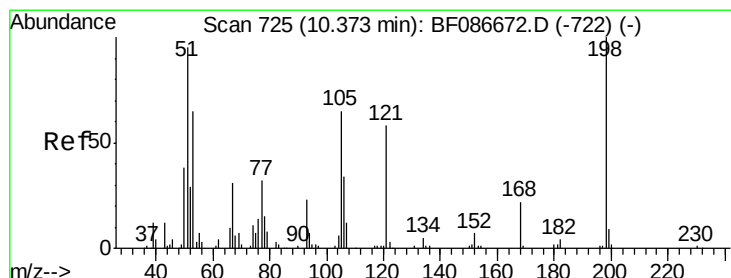
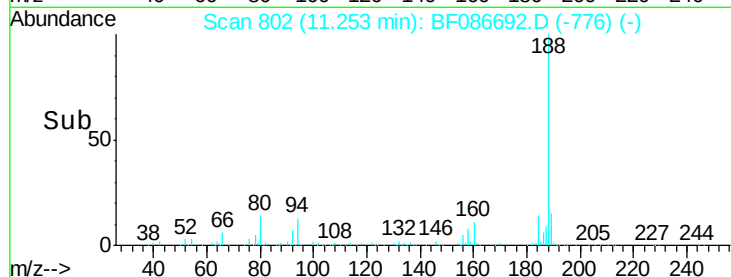
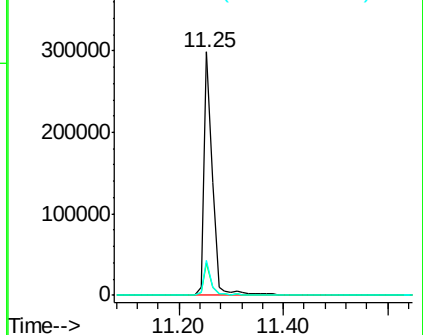
80 14.5 7.1 10.7#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.40 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.15 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

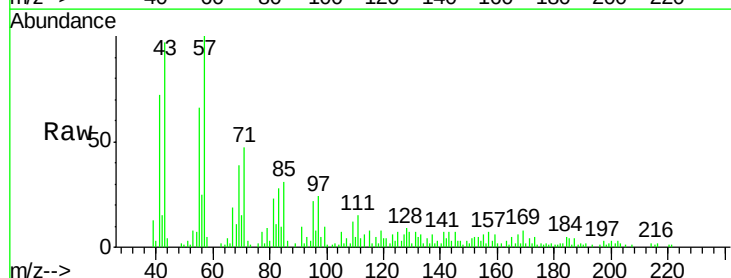
Tgt Ion:198 Resp: 282

Ion Ratio Lower Upper

198 100

51 286.9 20.5 60.5#

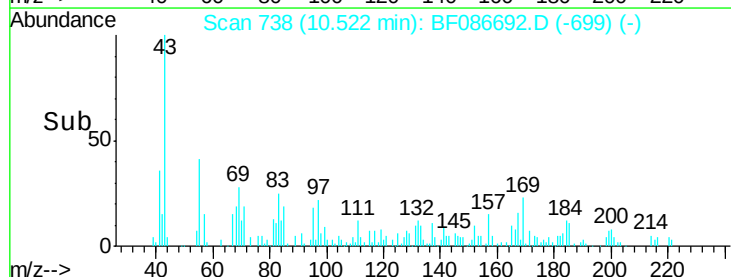
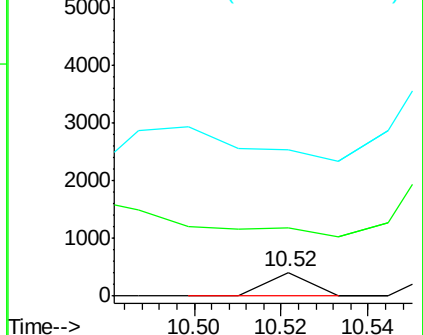
105 616.1 24.5 64.5#

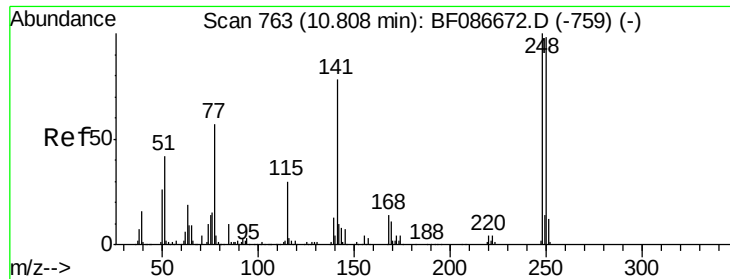


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

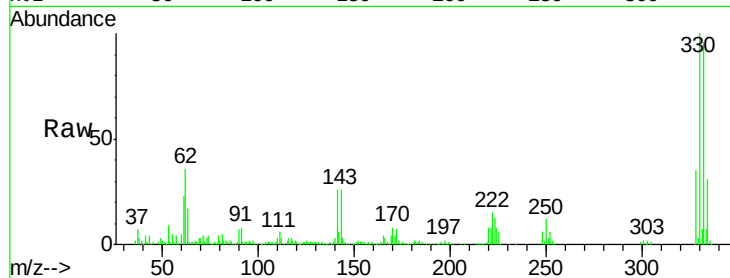




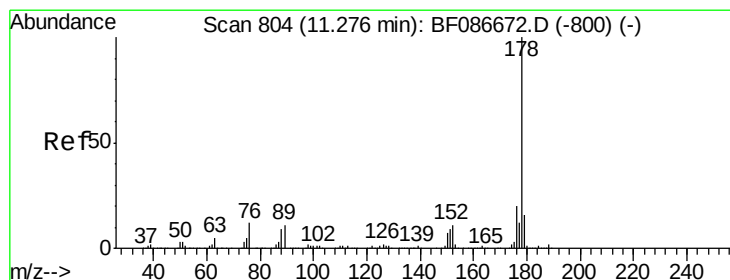
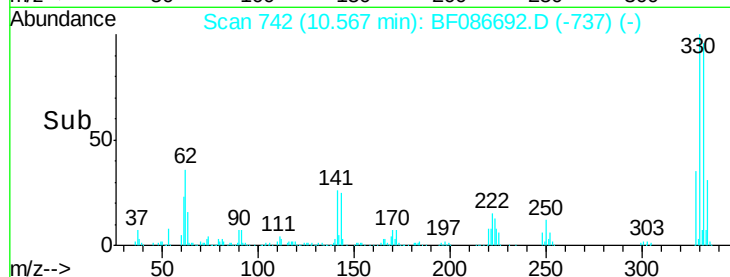
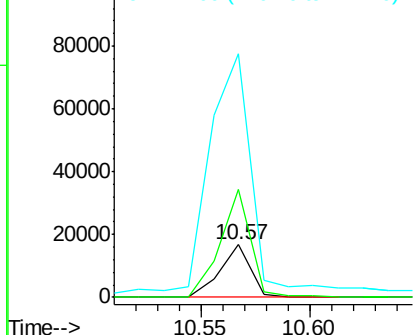
#66
4-Bromophenyl-phenylether
Concen: 4.88 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.24 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Instrument :
BNA_F
ClientSampleId :
26WARD-5-CS-1(0-6FTBGS)

Tgt Ion:248 Resp: 16385
Ion Ratio Lower Upper
248 100
250 204.9 78.6 117.8#
141 464.5 76.0 114.0#

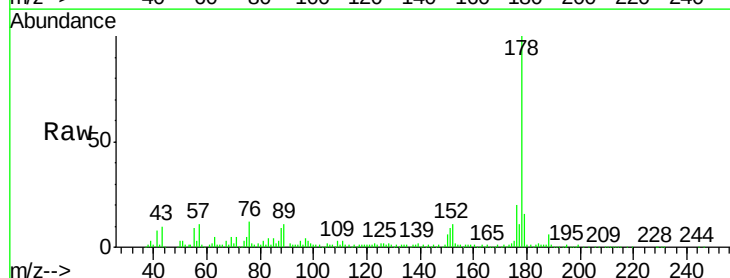


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

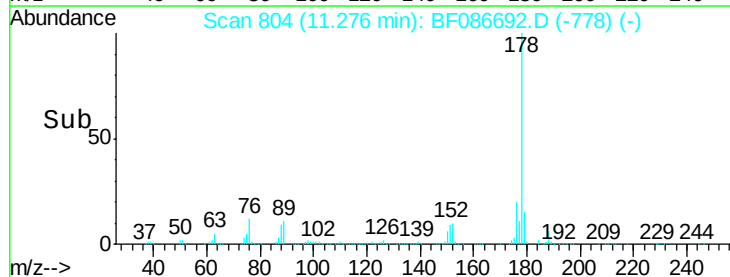
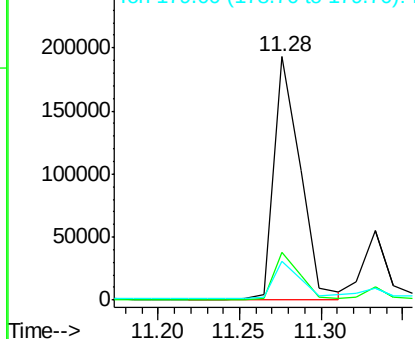


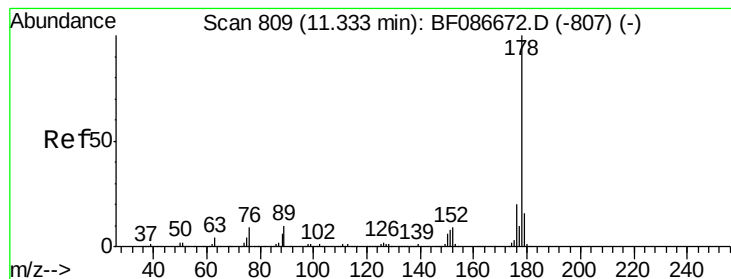
#70
Phenanthrene
Concen: 11.83 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF086692.D
Acq: 4 May 2016 22:34

Tgt Ion:178 Resp: 214859
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.0 12.6 18.8



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





#71

Anthracene

Concen: 3.51 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

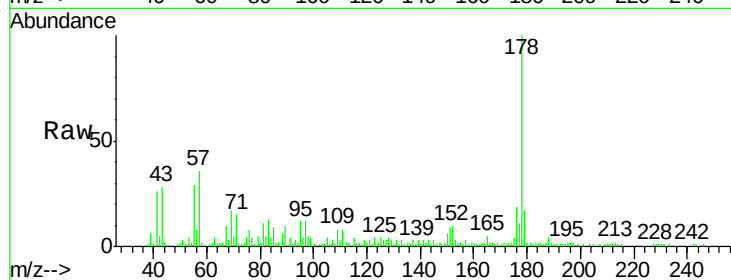
Tgt Ion:178 Resp: 66769

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

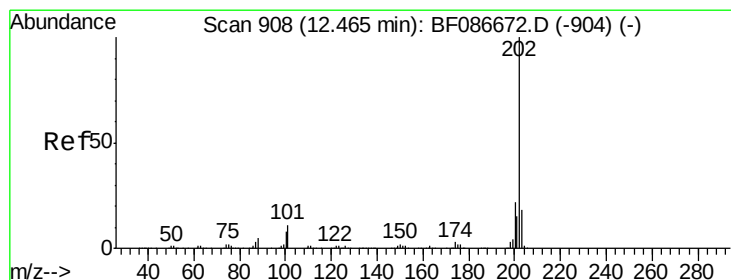
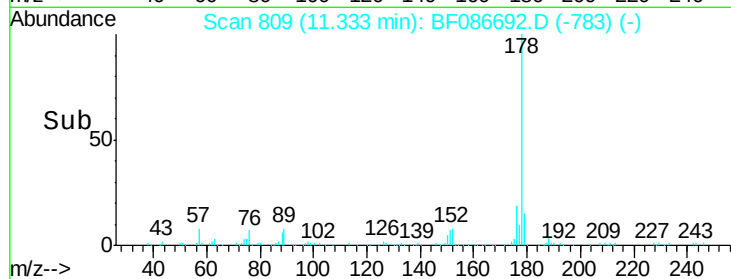
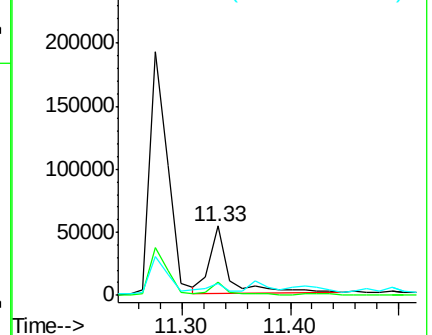
179 17.0 12.7 19.1



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: 22.04 ng

RT: 12.46 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

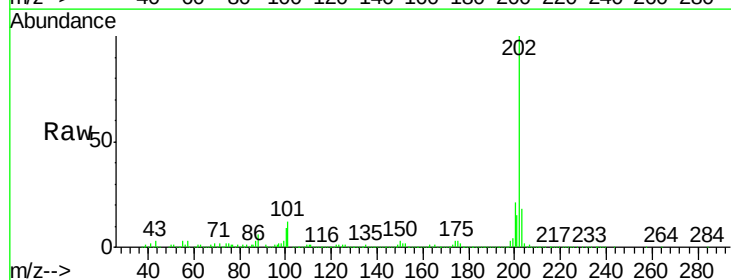
Tgt Ion:202 Resp: 401085

Ion Ratio Lower Upper

202 100

101 12.3 0.0 35.4

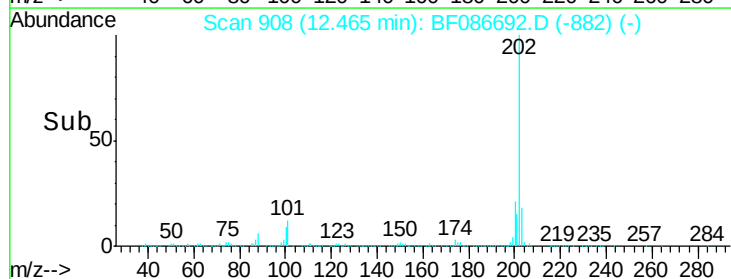
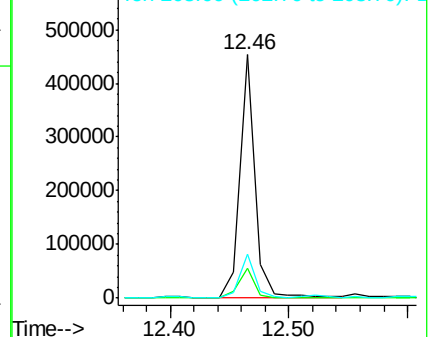
203 17.9 0.0 38.1

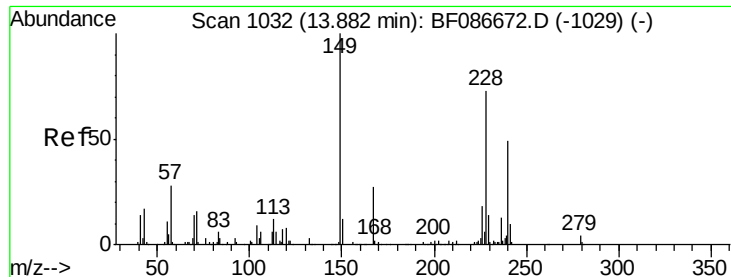


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

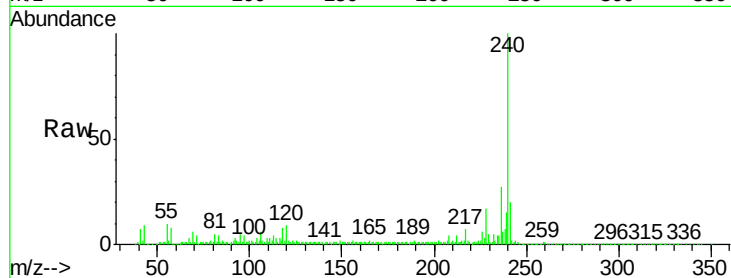
Tgt Ion:240 Resp: 318877

Ion Ratio Lower Upper

240 100

120 8.9 11.2 16.8#

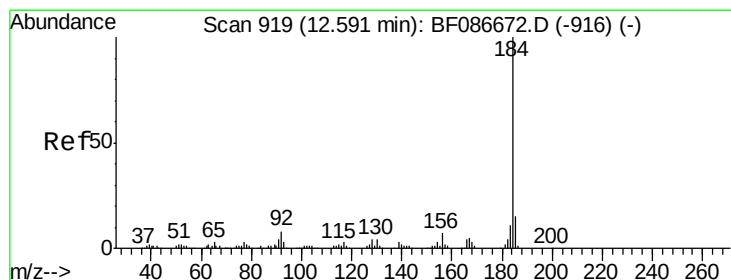
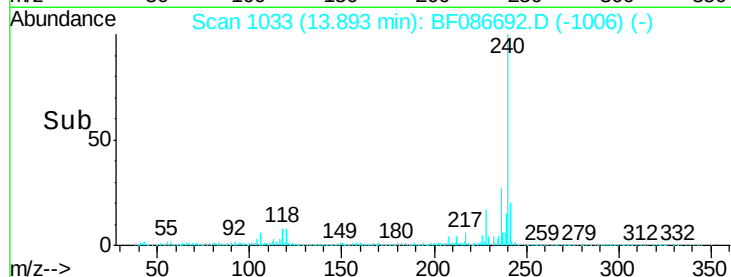
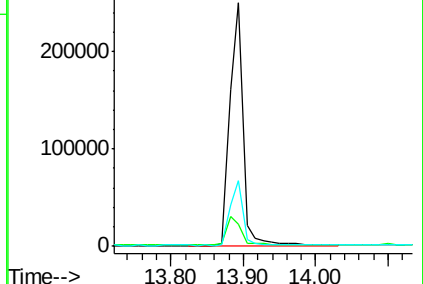
236 26.9 21.2 31.8



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



#76

Benzidine

Concen: 7.15 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.11 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

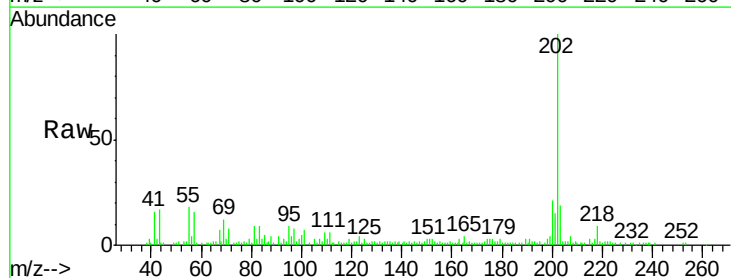
Tgt Ion:184 Resp: 601

Ion Ratio Lower Upper

184 100

185 118.7 13.6 20.4#

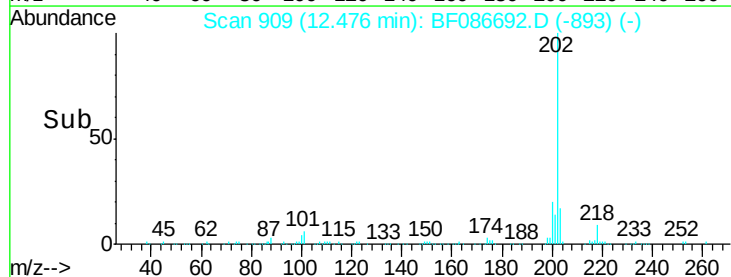
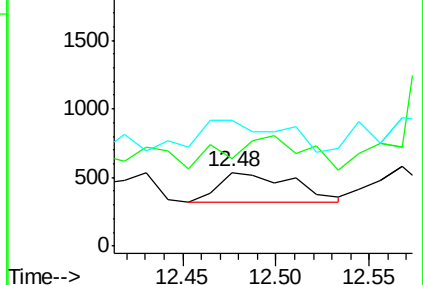
183 171.1 9.8 14.6#

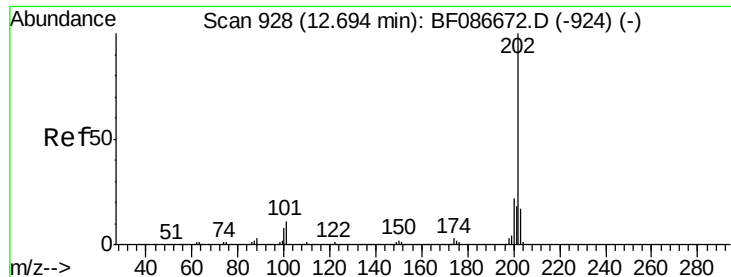


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

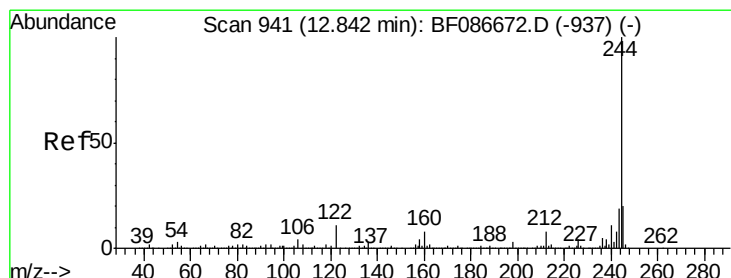
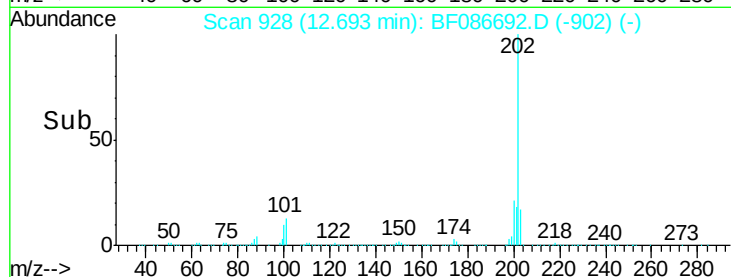
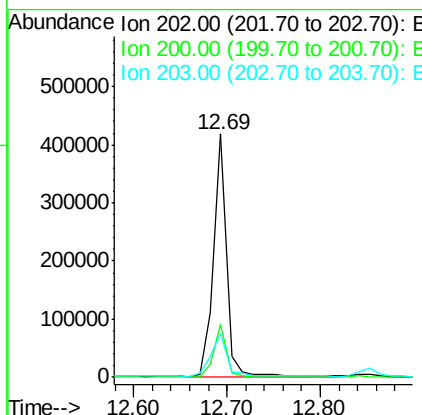
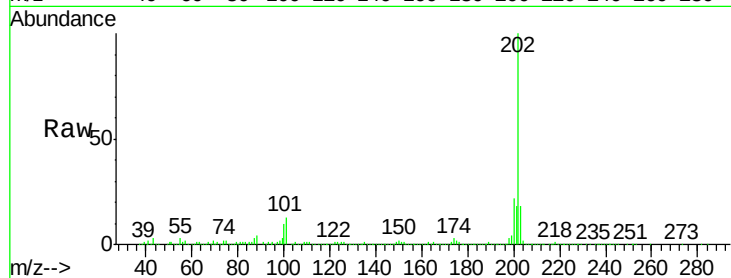




#77
 Pyrene
 Concen: 15.96 ng
 RT: 12.69 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

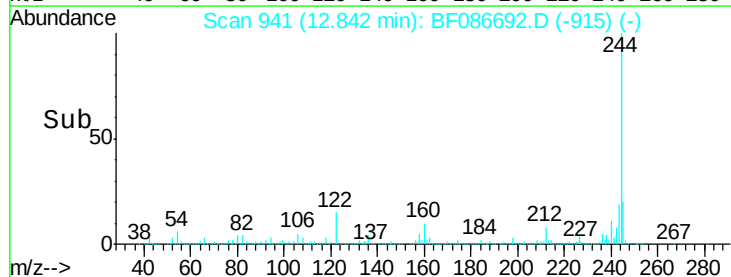
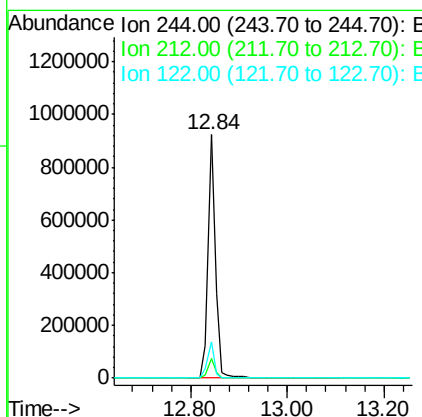
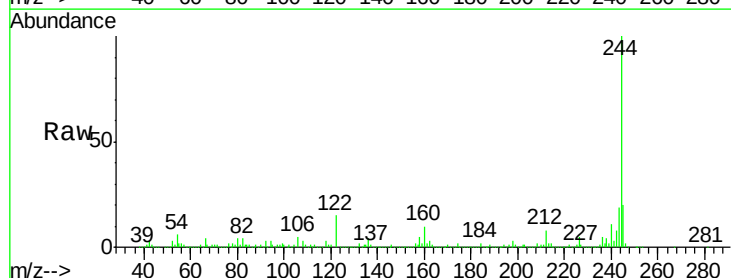
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

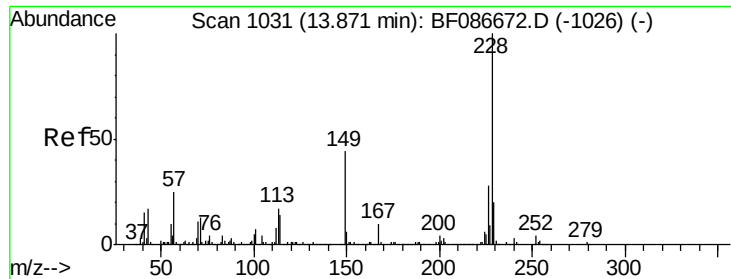
Tgt Ion:202 Resp: 405775
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.7 26.5
 203 17.9 14.2 21.4



#78
 Terphenyl-d14
 Concen: 63.38 ng
 RT: 12.84 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Tgt Ion:244 Resp: 1000027
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.2 9.2
 122 14.9 12.0 18.0





#80

Benzo(a)anthracene

Concen: 10.65 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

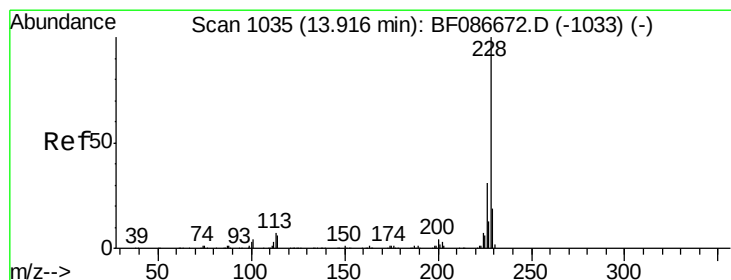
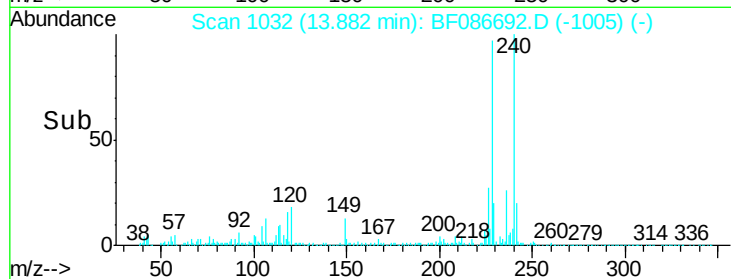
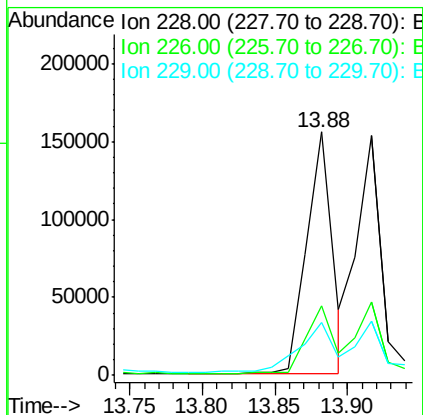
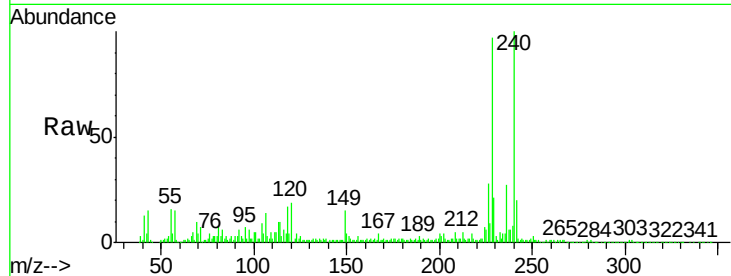
Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

Tgt Ion:	228	Resp:	192069
Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.5	33.7
229	21.6	16.6	25.0



#82

Chrysene

Concen: 9.98 ng

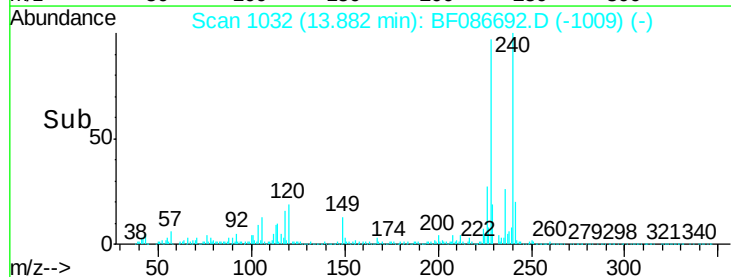
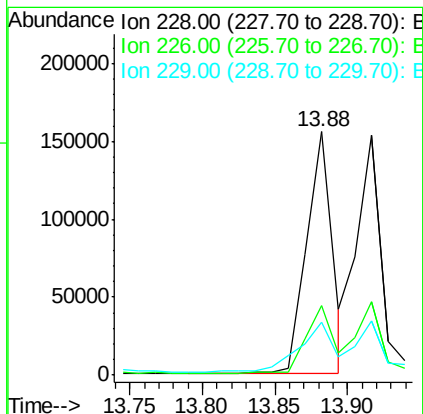
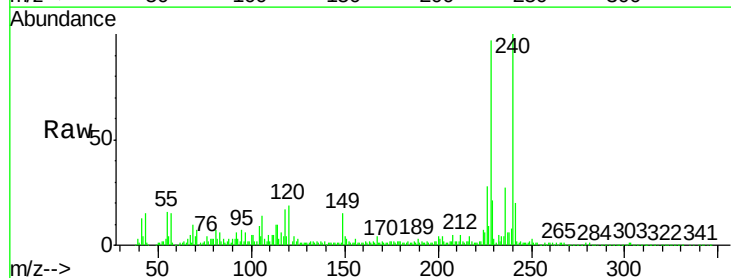
RT: 13.88 min Scan# 1032

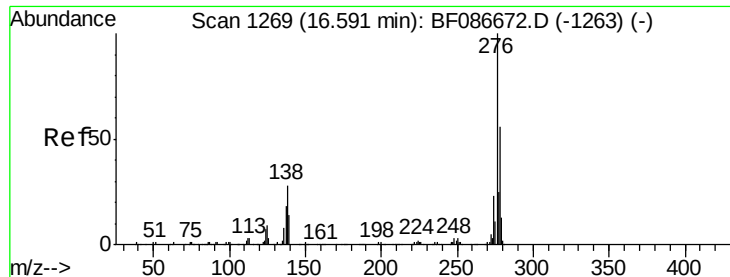
Delta R.T. -0.03 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Tgt Ion:	228	Resp:	192069
Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.4	36.6
229	21.6	15.8	23.8

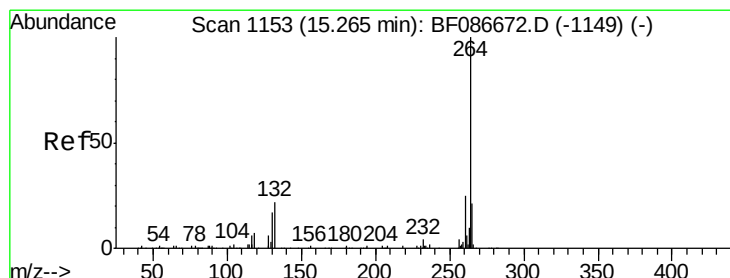
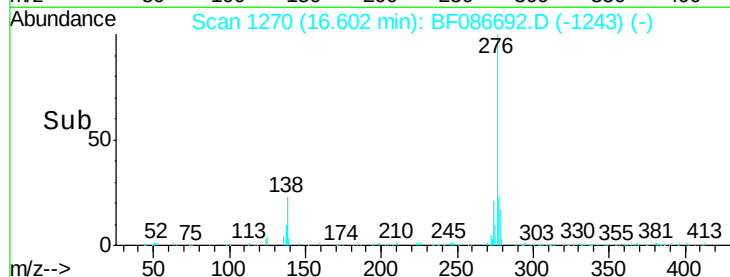
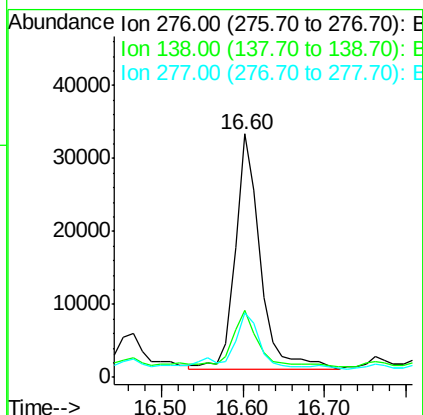
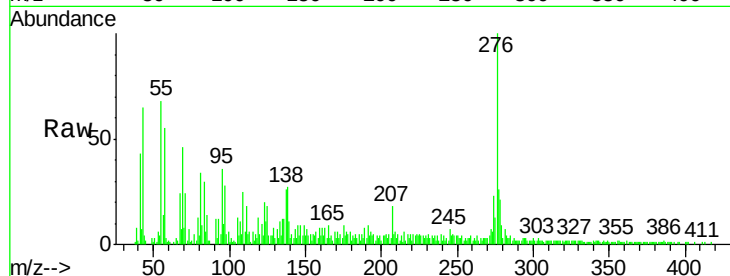




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.13 ng
 RT: 16.60 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

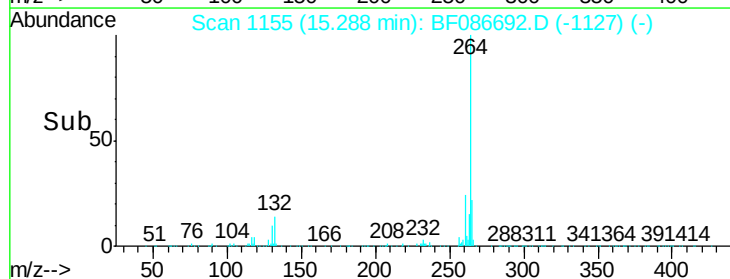
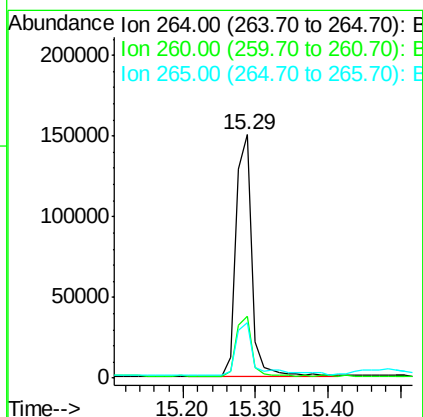
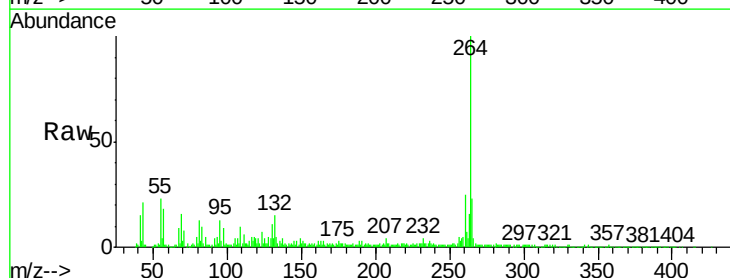
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-1(0-6FTBGS)

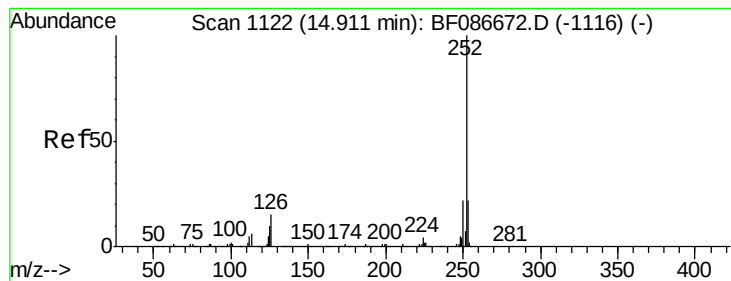
Tgt Ion: 276 Resp: 68095
 Ion Ratio Lower Upper
 276 100
 138 25.3 25.6 38.4#
 277 23.5 20.5 30.7



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. 0.02 min
 Lab File: BF086692.D
 Acq: 4 May 2016 22:34

Tgt Ion: 264 Resp: 230300
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.5 29.3
 265 22.7 17.3 25.9





#87

Benzo(b)fluoranthene

Concen: 18.50 ng

RT: 14.90 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

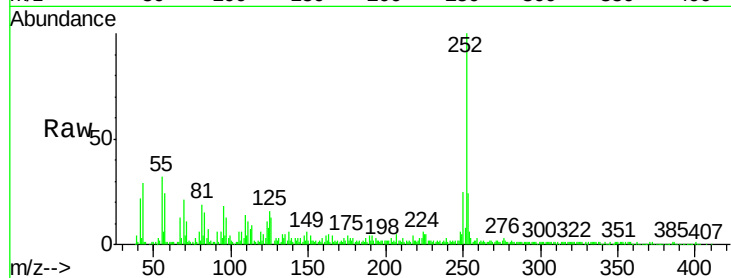
Tgt Ion:252 Resp: 256070

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

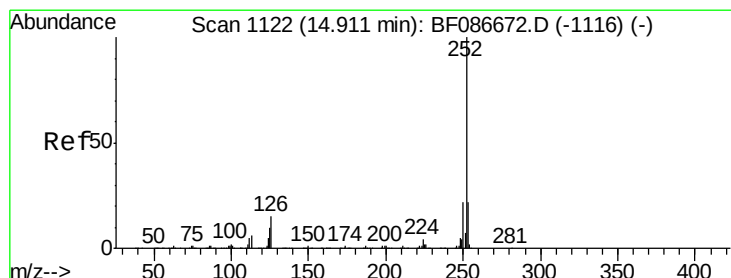
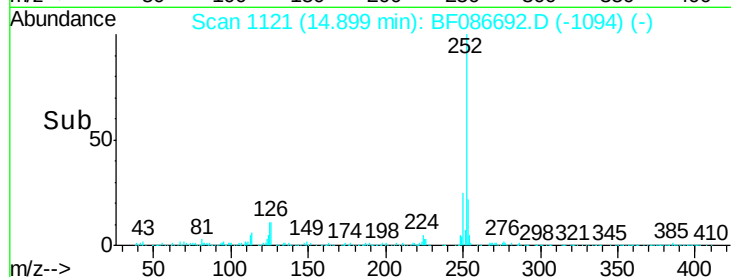
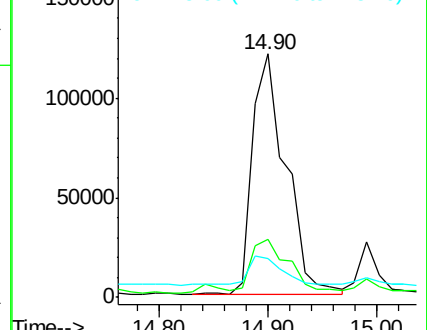
125 16.0 11.4 17.0



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: 19.64 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

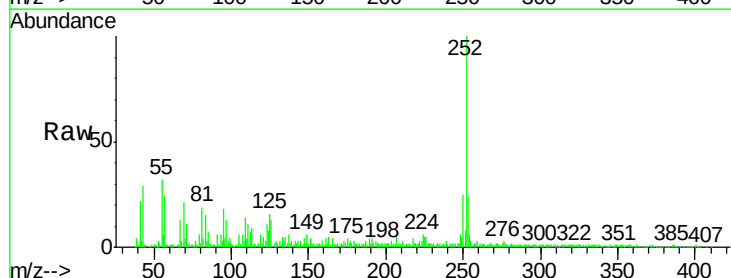
Tgt Ion:252 Resp: 256070

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.6

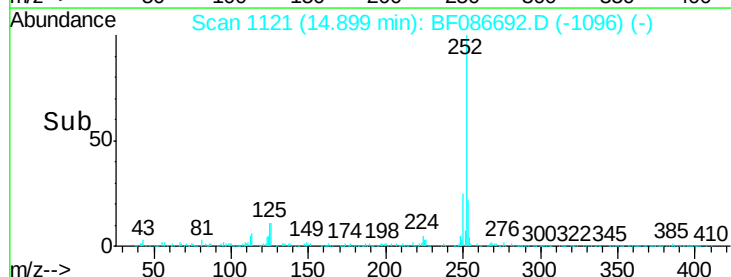
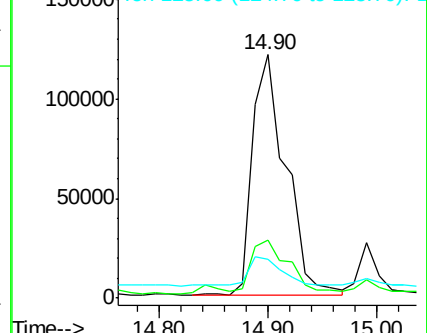
125 16.0 9.1 13.7#

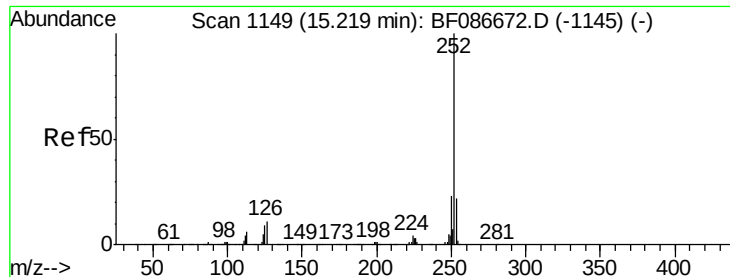


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.95 ng

RT: 15.23 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-1(0-6FTBGS)

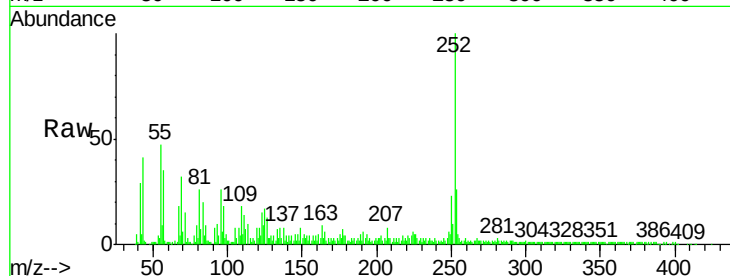
Tgt Ion:252 Resp: 126875

Ion Ratio Lower Upper

252 100

253 25.6 17.2 25.8

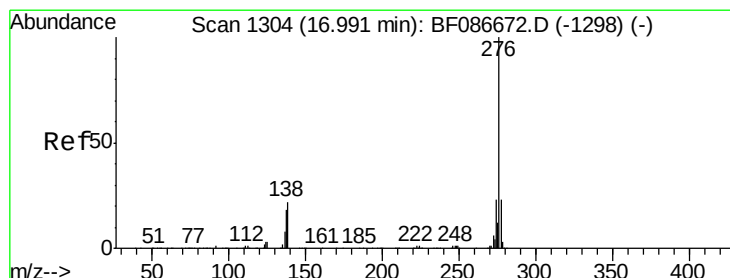
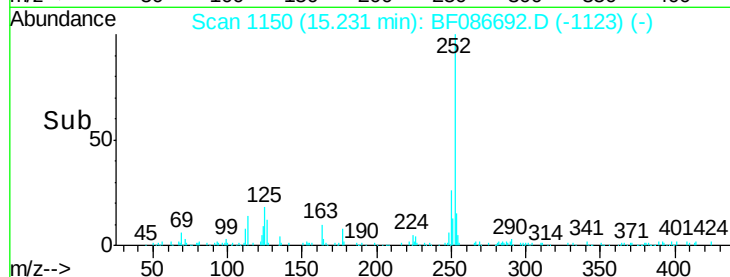
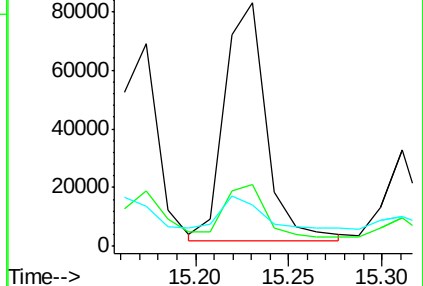
125 17.0 9.0 13.6#



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



#91

Benzo(g,h,i)perylene

Concen: 5.10 ng

RT: 17.00 min Scan# 1305

Delta R.T. 0.01 min

Lab File: BF086692.D

Acq: 4 May 2016 22:34

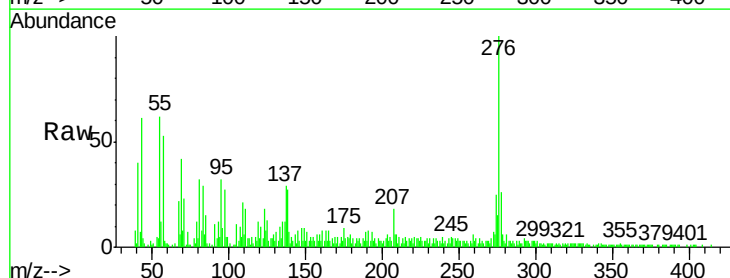
Tgt Ion:276 Resp: 65538

Ion Ratio Lower Upper

276 100

277 25.9 19.6 29.4

138 26.8 23.6 35.4



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

