

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086694.D
 Acq On : 4 May 2016 23:31
 Operator : UM/SJ
 Sample : H2715-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-1(0-8FTBGS)

Quant Time: May 05 01:38:52 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	161242	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	573307	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	241543	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	353683	40.00	ng	0.00
75) Chrysene-d12	13.89	240	329682	40.00	ng	0.01
86) Perylene-d12	15.28	264	249253	40.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1219675	125.23	ng	0.01
7) Phenol-d6	6.38	99	1594055	121.50	ng	0.01
23) Nitrobenzene-d5	7.31	82	1165148	104.44	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	296801	125.61	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1401486	95.11	ng	0.00
78) Terphenyl-d14	12.84	244	944325	57.89	ng	0.00

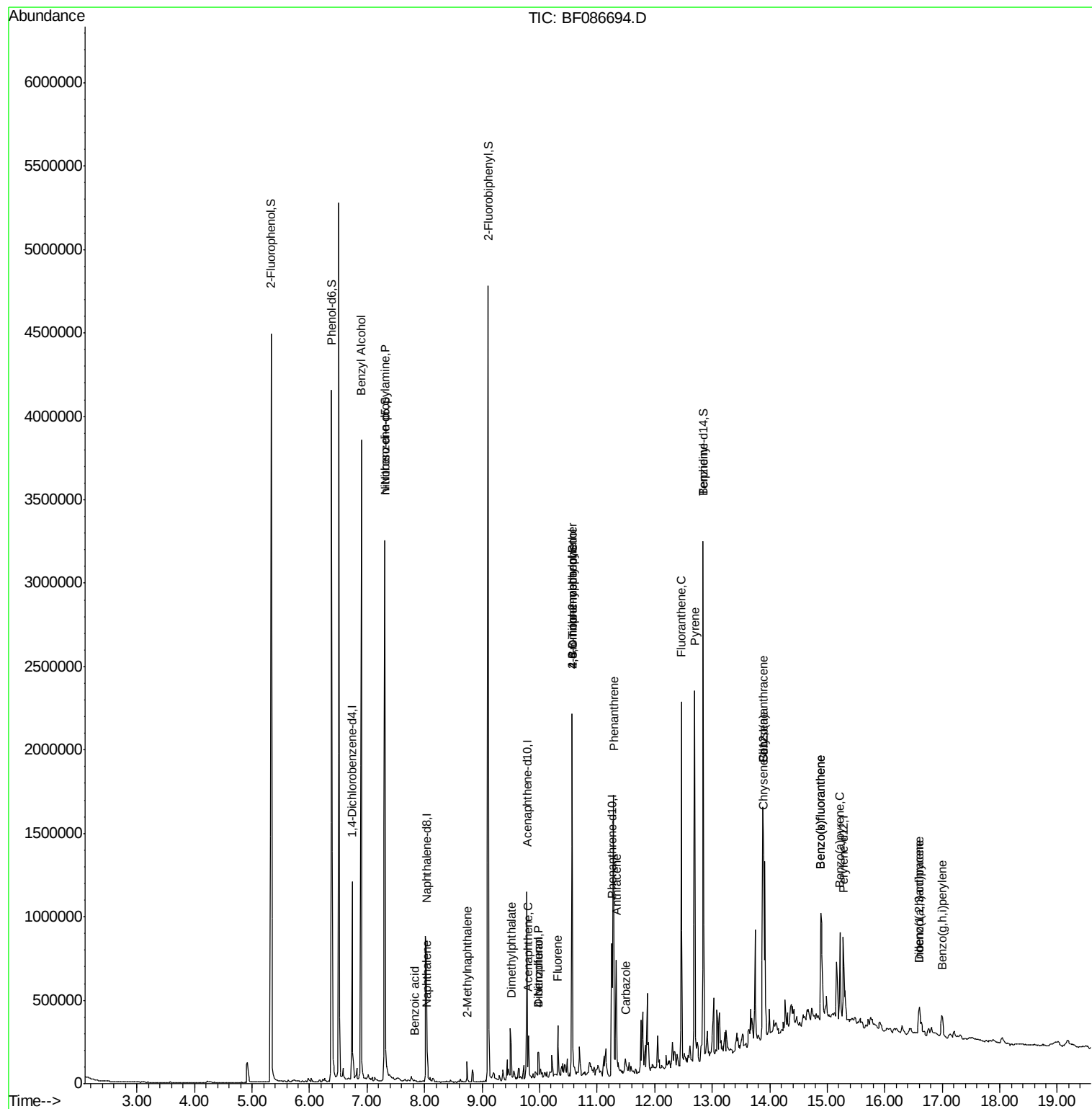
Target Compounds						Qvalue
15) Benzyl Alcohol	6.90	79	21264	2.51	ng	# 39
19) n-Nitroso-di-n-propylamine	7.31	70	168668	18.82	ng	# 75
31) Naphthalene	8.04	128	66562	2.27	ng	98
32) Benzoic acid	7.82	122	252	8.47	ng	# 32
37) 2-Methylnaphthalene	8.74	142	35927	2.08	ng	99
49) Dimethylphthalate	9.50	163	156152	8.67	ng	98
51) Acenaphthene	9.80	154	77890	5.22	ng	96
54) Dibenzofuran	9.98	168	79697	4.31	ng	94
55) 4-Nitrophenol	9.98	139	32243	12.59	ng	# 17
57) Fluorene	10.32	166	104434	6.97	ng	97
64) 4,6-Dinitro-2-methylphenol	10.57	198	772	5.70	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	18641	5.30	ng	# 1
70) Phenanthrene	11.29	178	967593	50.93	ng	99
71) Anthracene	11.33	178	311389	15.65	ng	99
72) Carbazole	11.49	167	58369	3.38	ng	98
74) Fluoranthene	12.46	202	943852	49.58	ng	100
76) Benzidine	12.84	184	14945	8.50	ng	94
77) Pyrene	12.69	202	896420	34.11	ng	99
80) Benzo(a)anthracene	13.88	228	540410	28.98	ng	100
82) Chrysene	13.88	228	540410	27.17	ng	97
85) Indeno(1,2,3-cd)pyrene	16.60	276	124592	7.30	ng	# 90
87) Benzo(b)fluoranthene	14.89	252	536386	35.81	ng	97
88) Benzo(k)fluoranthene	14.89	252	536386	38.01	ng	# 95
89) Benzo(a)pyrene	15.22	252	281057	20.37	ng	# 94
90) Dibenzo(a,h)anthracene	16.60	278	29337	2.21	ng	# 84
91) Benzo(g,h,i)perylene	16.99	276	113214	8.14	ng	97

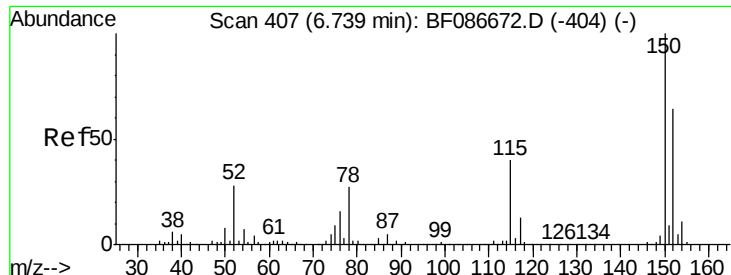
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

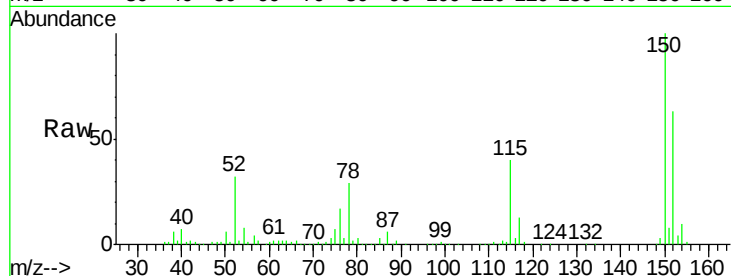
Tgt Ion:152 Resp: 161242

Ion Ratio Lower Upper

152 100

150 158.1 125.8 188.6

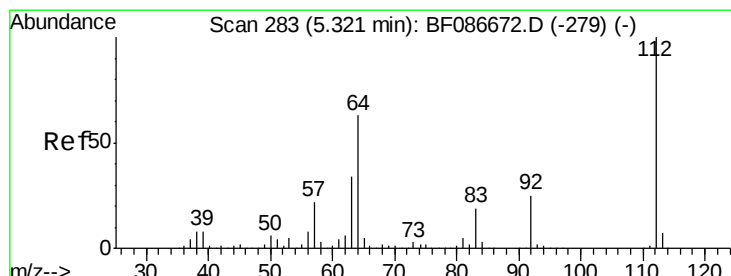
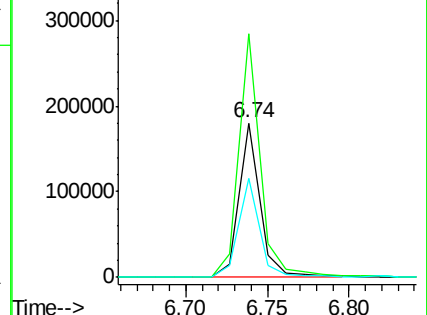
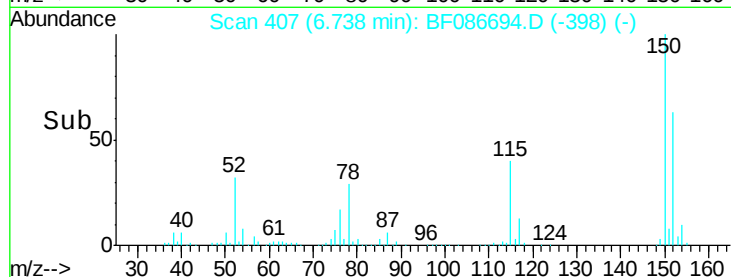
115 63.9 51.5 77.3



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: 125.23 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

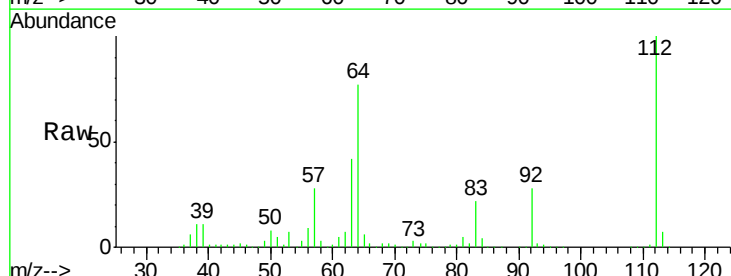
Tgt Ion:112 Resp: 1219675

Ion Ratio Lower Upper

112 100

64 77.3 52.1 78.1

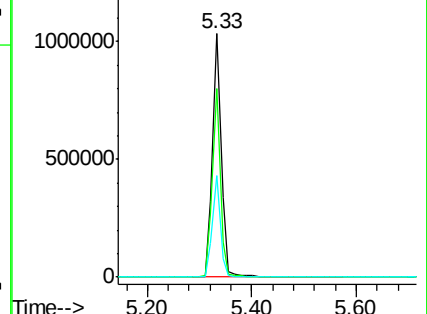
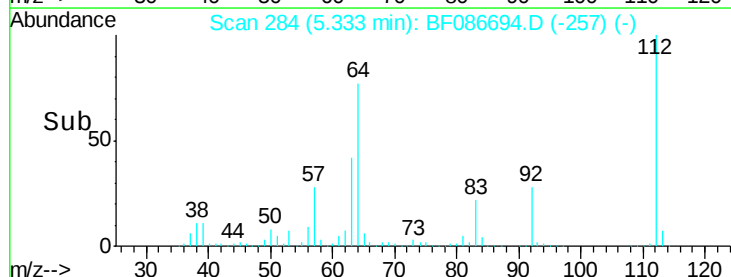
63 41.7 25.7 38.5

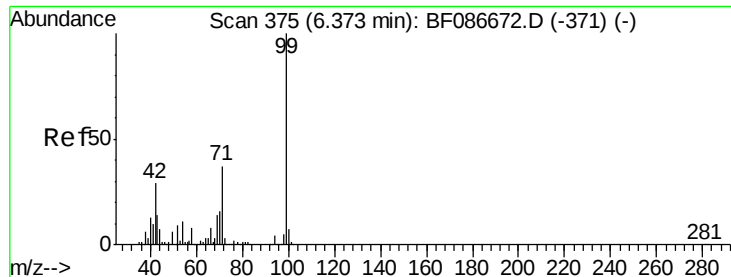


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.50 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

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26WARD-4-CS-1(0-8FTBGS)

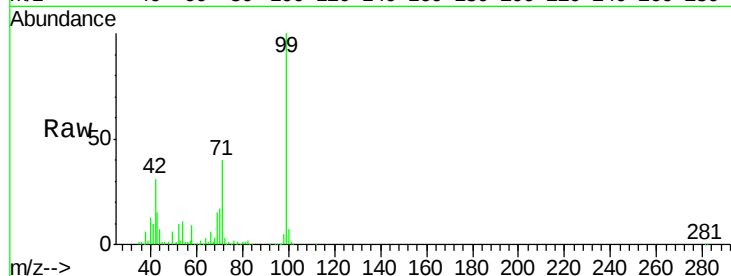
Tgt Ion: 99 Resp: 1594055

Ion Ratio Lower Upper

99 100

42 30.8 13.6 20.4#

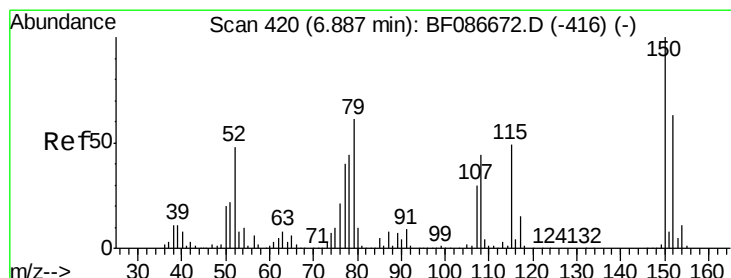
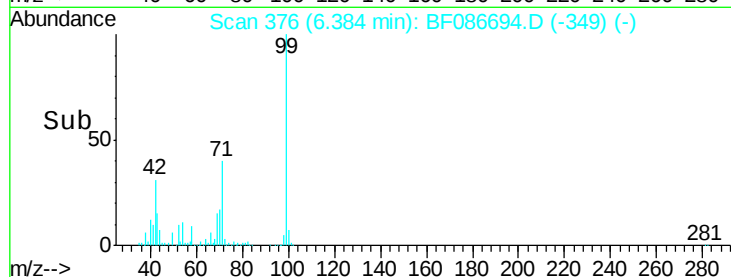
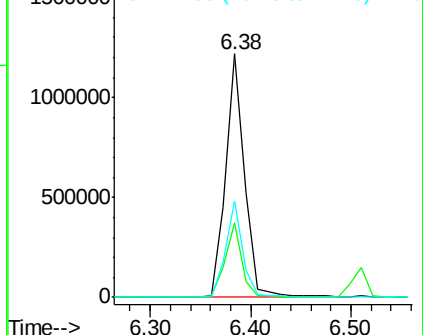
71 39.5 24.6 36.8#



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: 2.51 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

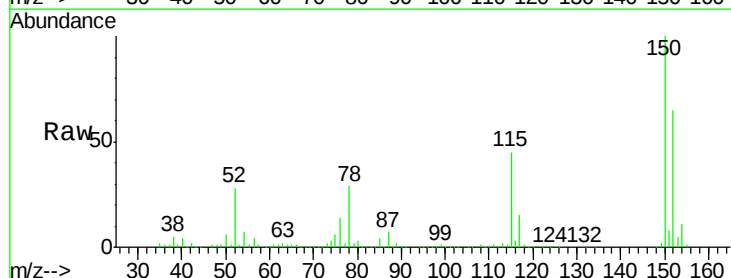
Tgt Ion: 79 Resp: 21264

Ion Ratio Lower Upper

79 100

108 36.5 68.4 102.6#

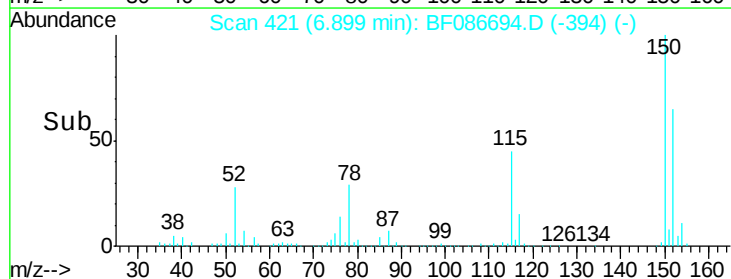
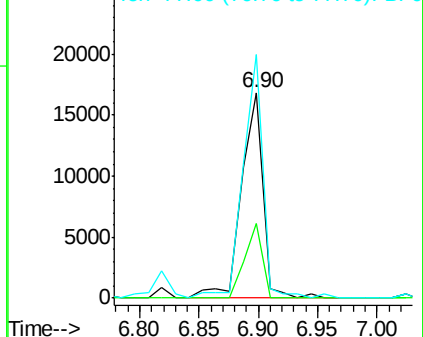
77 118.5 50.6 76.0#

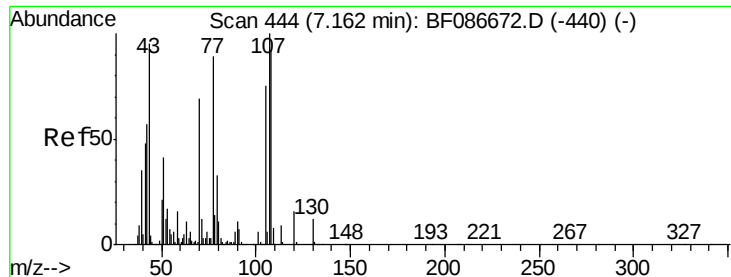


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

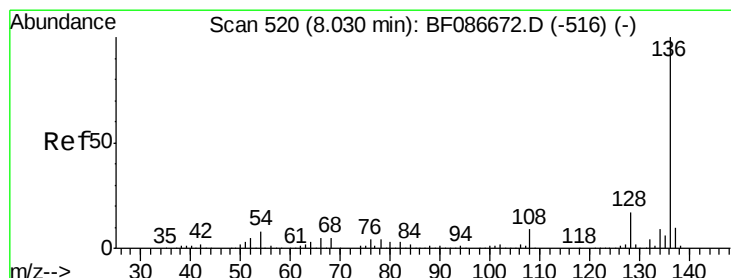
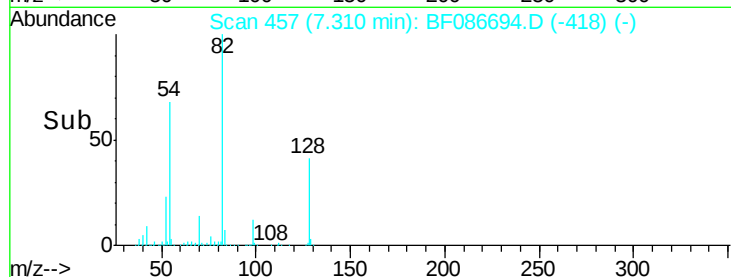
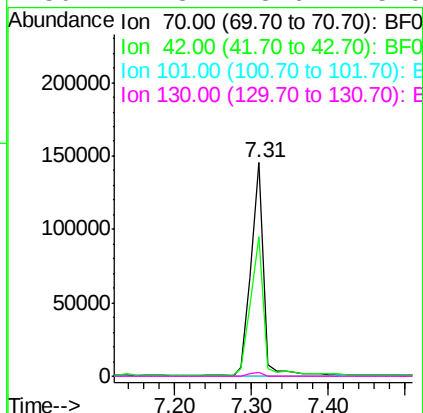
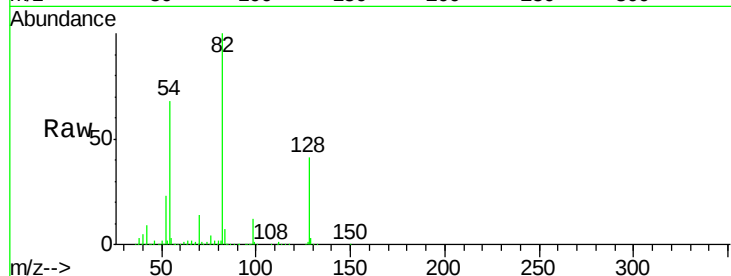




#19
n-Nitroso-di-n-propylamine
Concen: 18.82 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.15 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

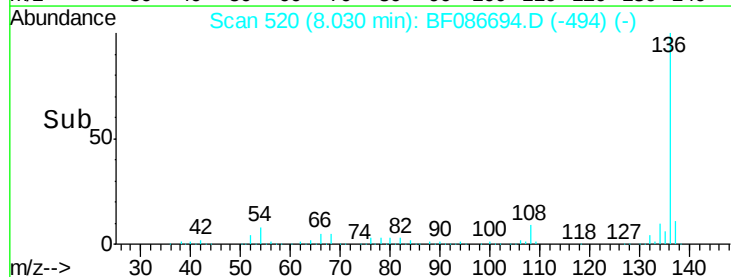
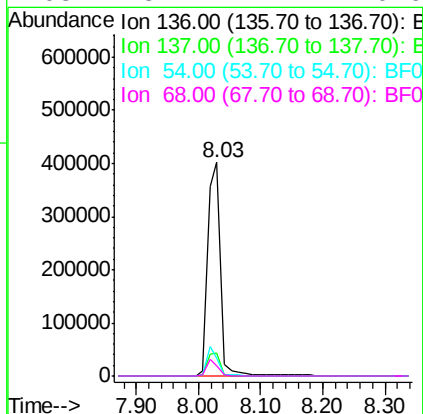
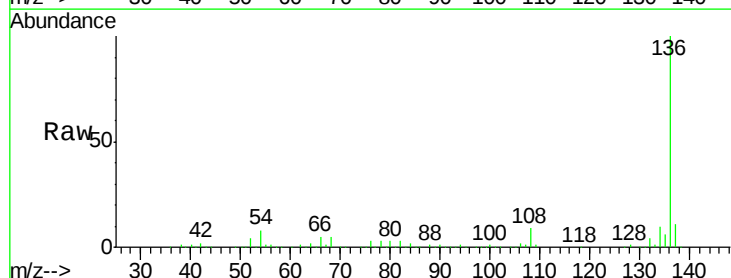
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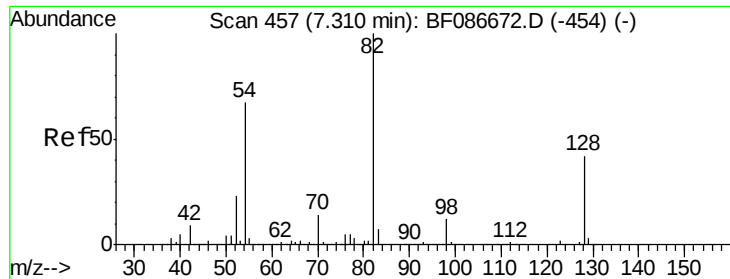
Tgt Ion: 70 Resp: 168668
Ion Ratio Lower Upper
70 100
42 65.1 43.1 64.7#
101 0.0 8.1 12.1#
130 1.8 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion: 136 Resp: 573307
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.3 5.0 7.4#
68 5.1 4.4 6.6

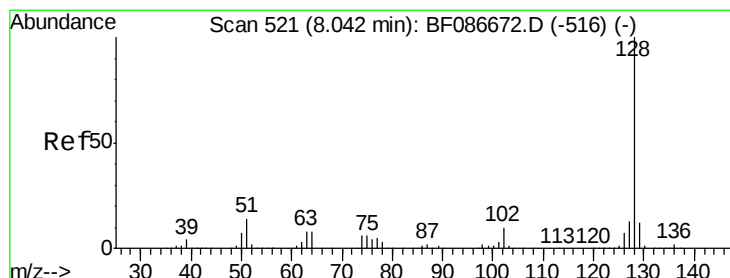
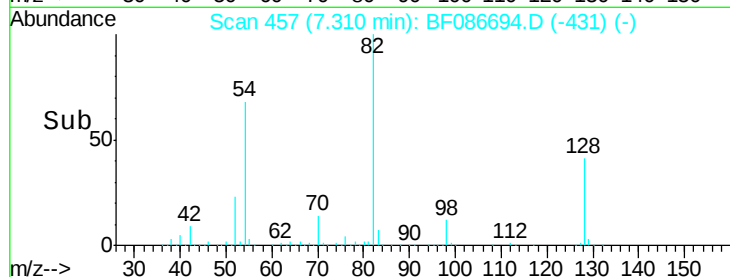
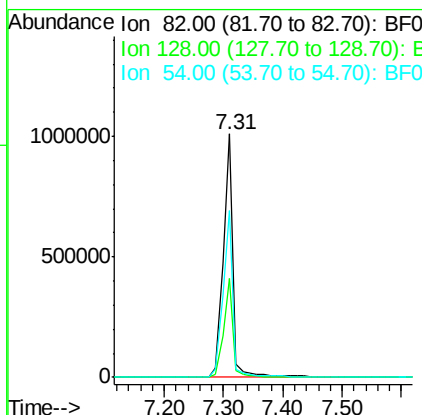
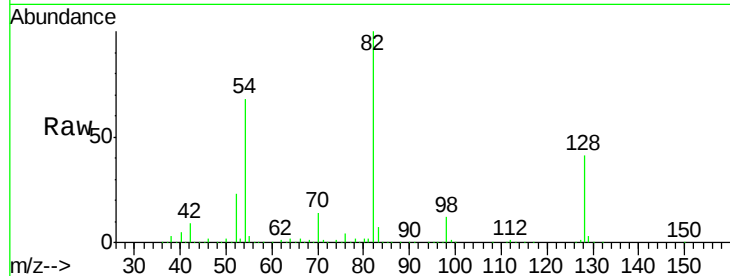




#23
Nitrobenzene-d5
Concen: 104.44 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

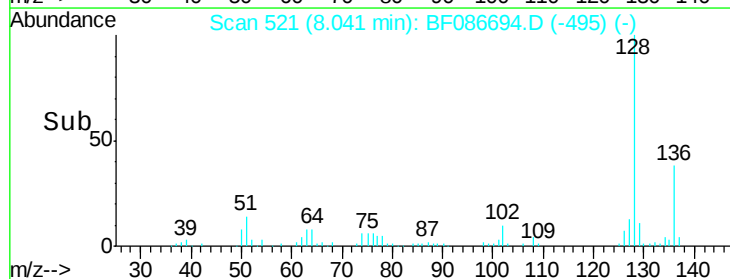
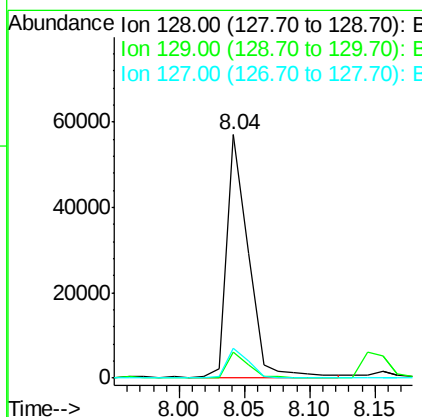
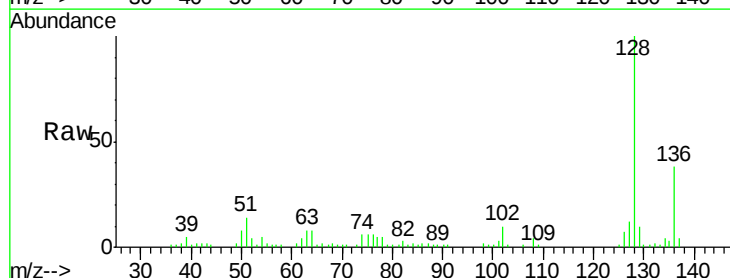
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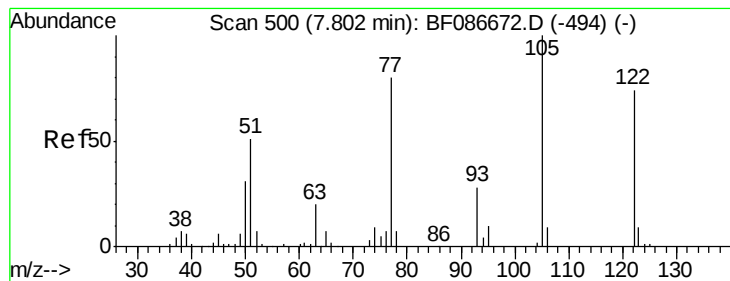
Tgt Ion: 82 Resp: 1165148
Ion Ratio Lower Upper
82 100
128 40.9 40.6 61.0
54 68.3 38.1 57.1#



#31
Naphthalene
Concen: 2.27 ng
RT: 8.04 min Scan# 521
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion: 128 Resp: 66562
Ion Ratio Lower Upper
128 100
129 10.4 8.6 13.0
127 12.5 10.8 16.2





#32

Benzoic acid

Concen: 8.47 ng

RT: 7.82 min Scan# 502

Delta R.T. 0.02 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

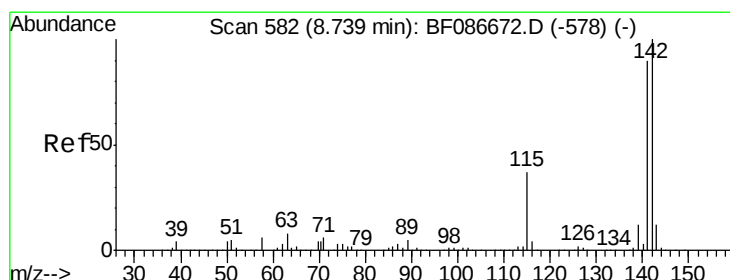
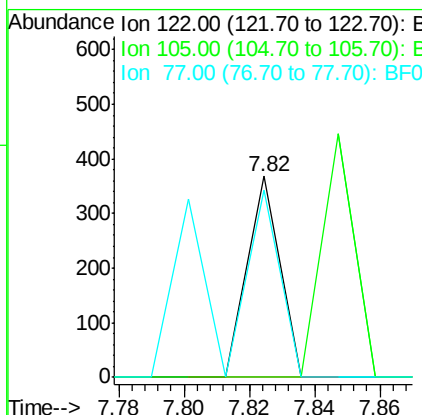
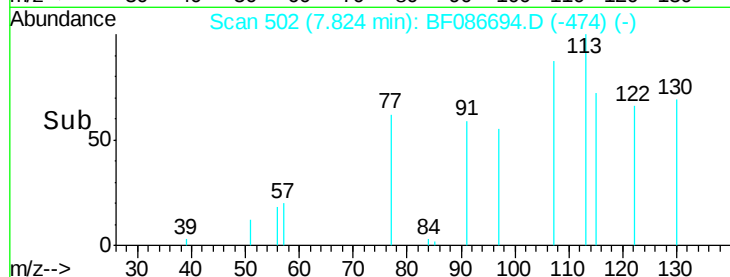
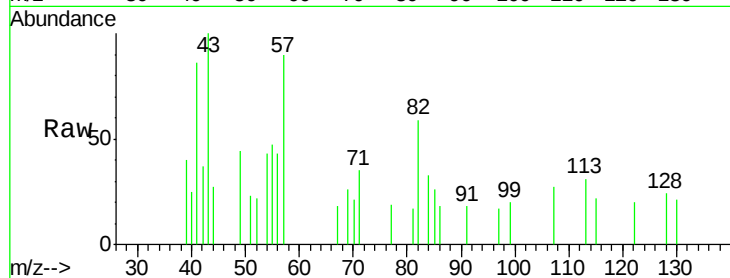
Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

Tgt Ion:	122	Resp:	252
Ion Ratio	Lower	Upper	
122	100		
105	0.0	92.6	132.6#
77	92.9	60.0	100.0



#37

2-Methylnaphthalene

Concen: 2.08 ng

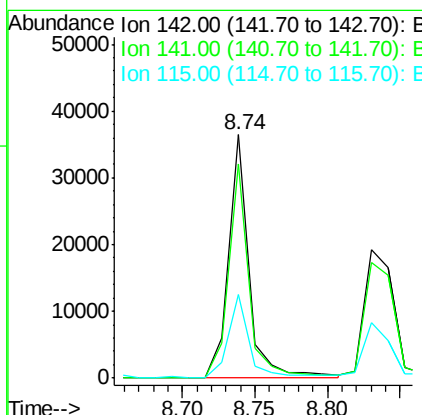
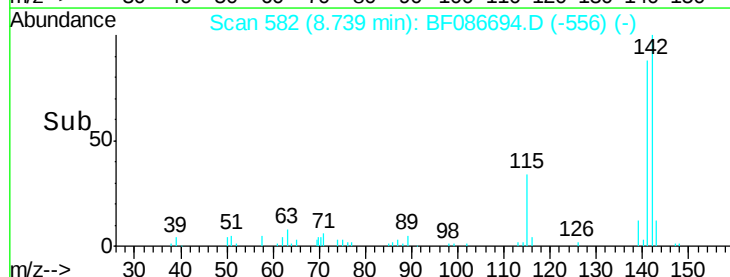
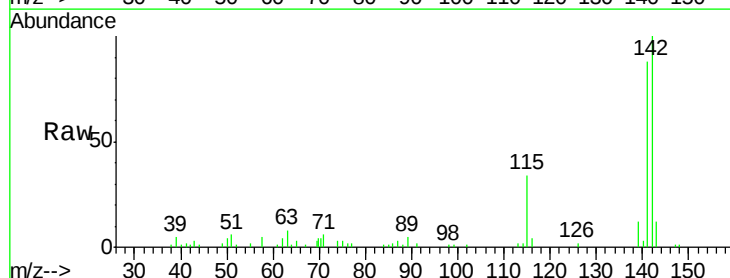
RT: 8.74 min Scan# 582

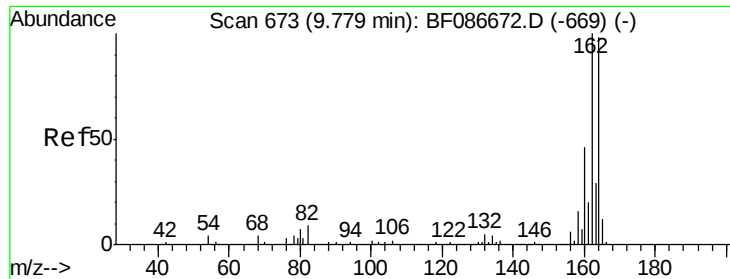
Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Tgt Ion:	142	Resp:	35927
Ion Ratio	Lower	Upper	
142	100		
141	87.8	71.0	106.6
115	34.1	26.6	39.8





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.00 min

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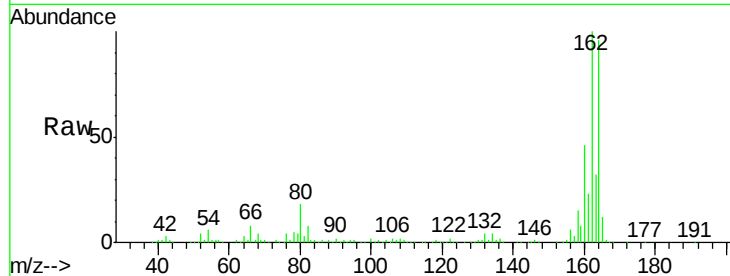
Tgt Ion:164 Resp: 241543

Ion Ratio Lower Upper

164 100

162 103.9 82.8 124.2

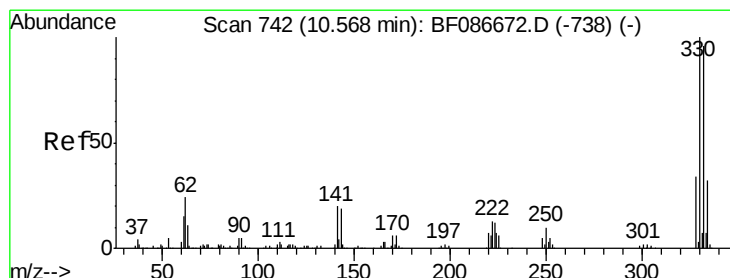
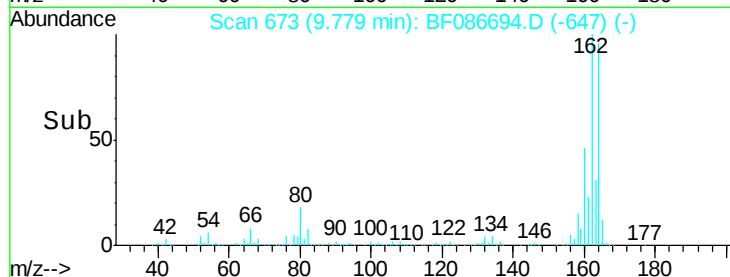
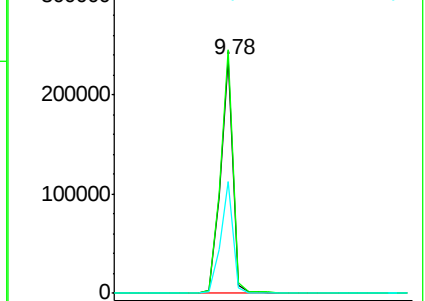
160 47.8 36.9 55.3



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: 125.61 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

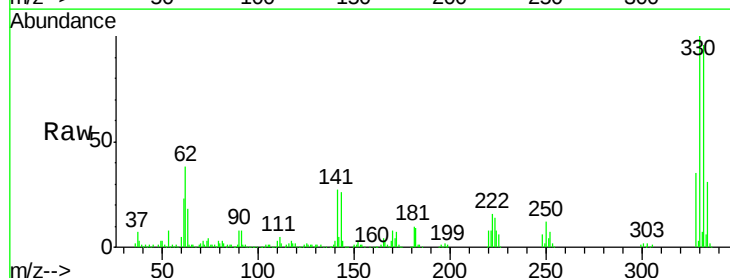
Tgt Ion:330 Resp: 296801

Ion Ratio Lower Upper

330 100

332 96.5 79.0 118.4

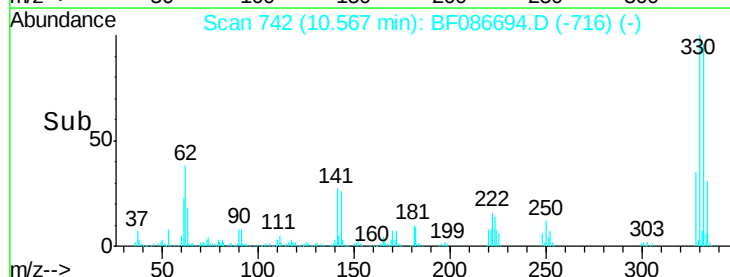
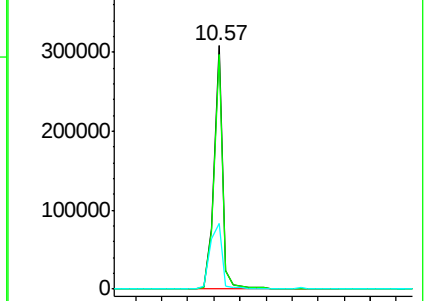
141 37.5 31.2 46.8

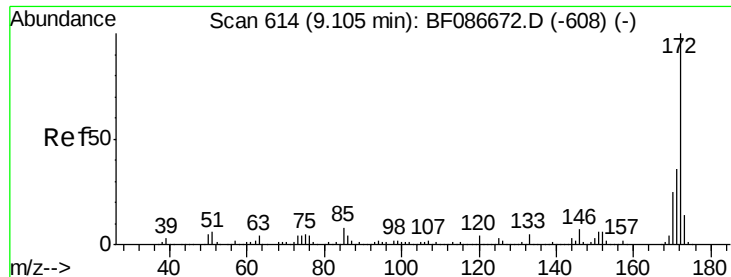


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

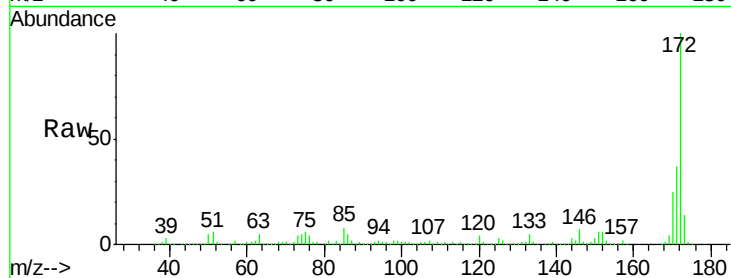




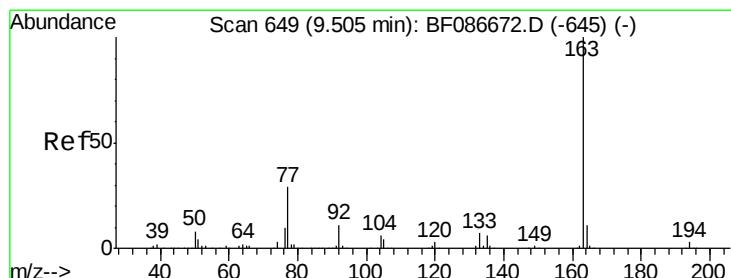
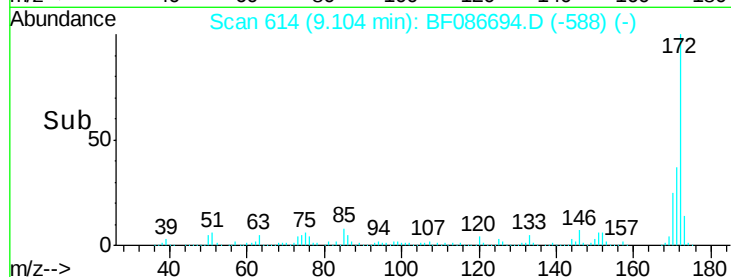
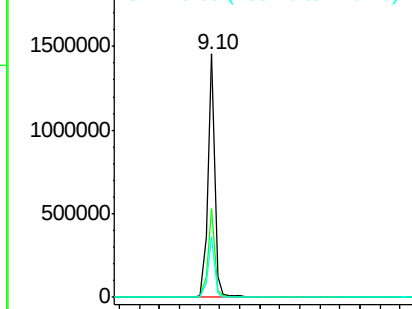
#44
2-Fluorobiphenyl
Concen: 95.11 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-1(0-8FTBGS)

Tgt Ion:172 Resp: 1401486
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.7 19.8 29.8

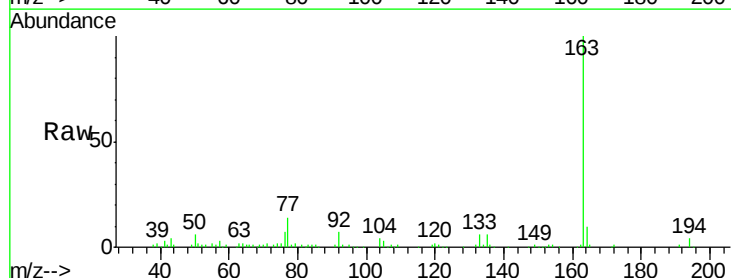


Abundance Ion 172.00 (171.70 to 172.70): E
2000000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

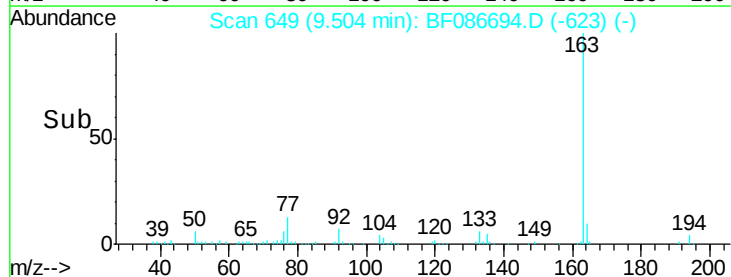
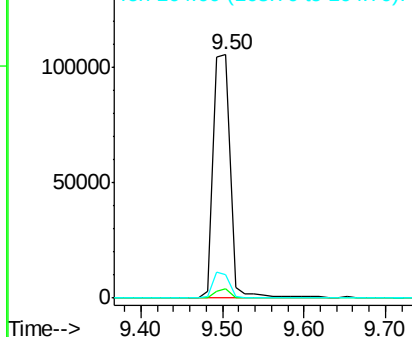


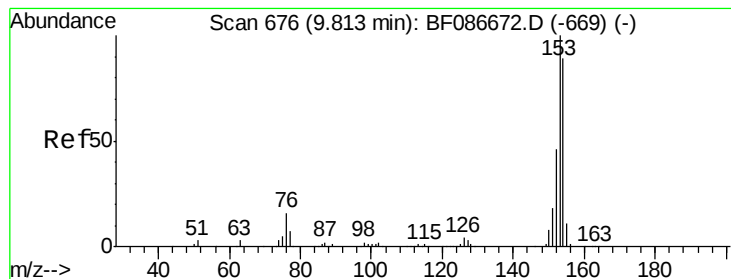
#49
Dimethylphthalate
Concen: 8.67 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion:163 Resp: 156152
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
100000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 5.22 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

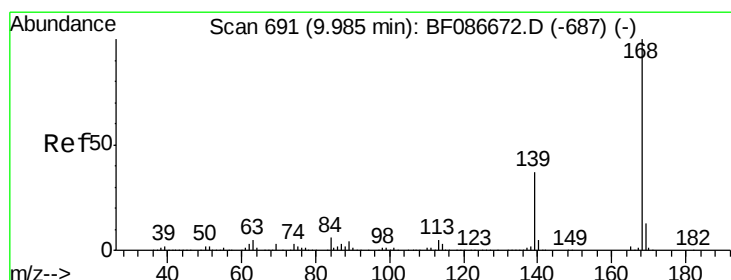
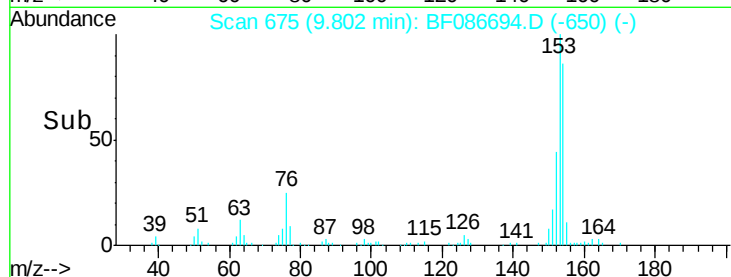
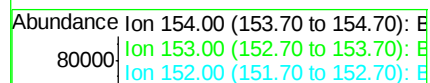
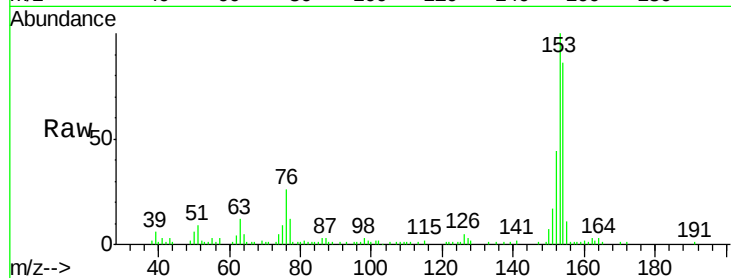
Tgt Ion:154 Resp: 77890

Ion Ratio Lower Upper

154 100

153 116.0 89.8 134.6

152 51.2 43.4 65.0



#54

Dibenzofuran

Concen: 4.31 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

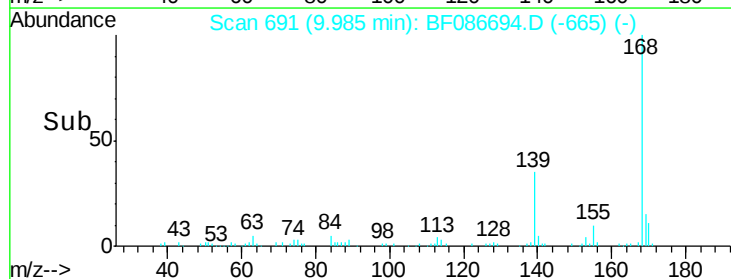
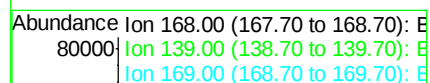
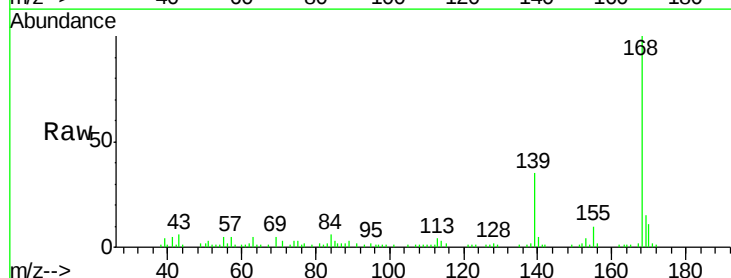
Tgt Ion:168 Resp: 79697

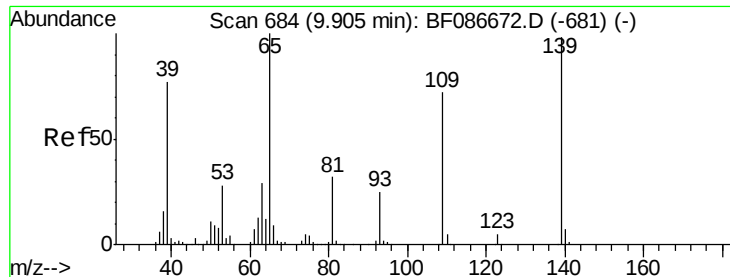
Ion Ratio Lower Upper

168 100

139 35.3 31.4 47.0

169 14.9 10.7 16.1

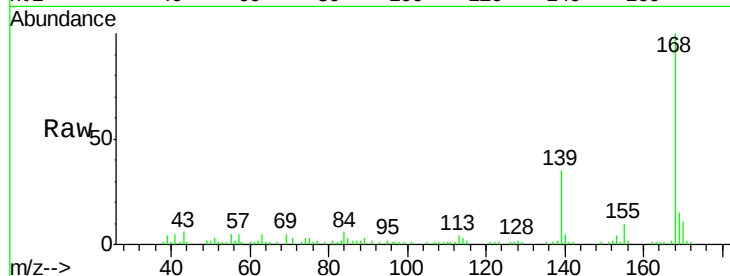




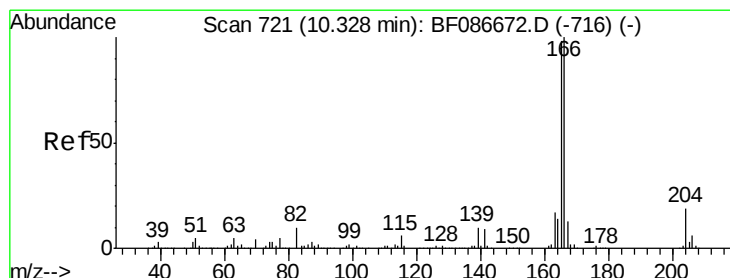
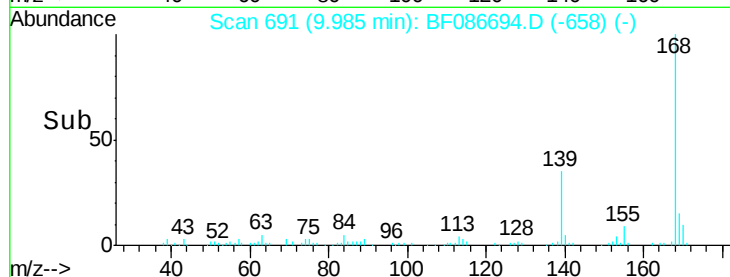
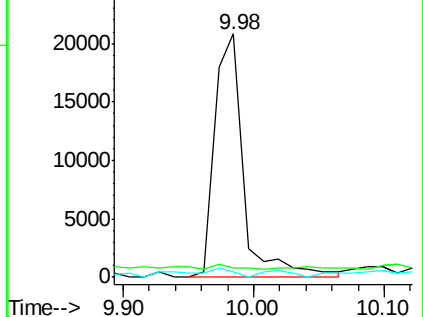
#55
4-Nitrophenol
Concen: 12.59 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.08 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-1(0-8FTBGS)

Tgt Ion:139 Resp: 32243
Ion Ratio Lower Upper
139 100
109 3.9 36.9 76.9#
65 2.5 64.0 104.0#

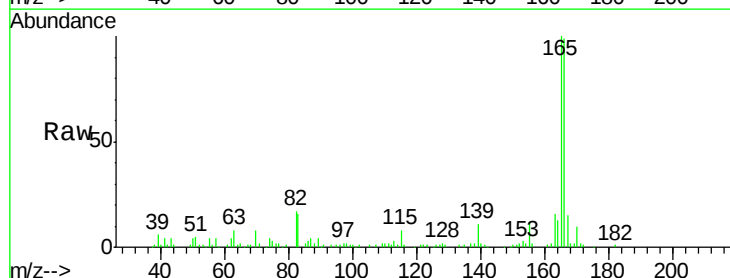


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

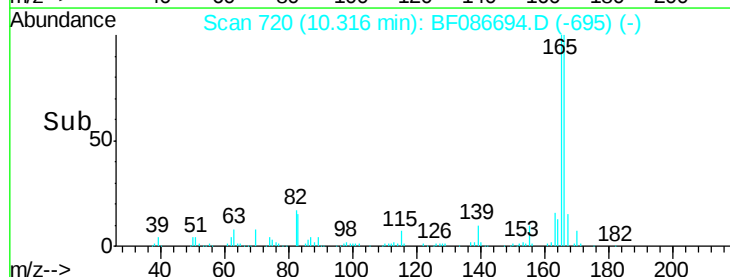
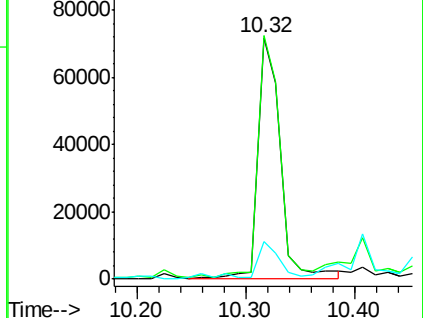


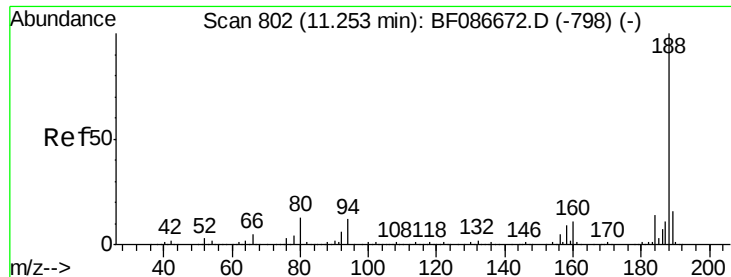
#57
Fluorene
Concen: 6.97 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.01 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion:166 Resp: 104434
Ion Ratio Lower Upper
166 100
165 101.0 79.0 118.6
167 15.4 10.6 15.8



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

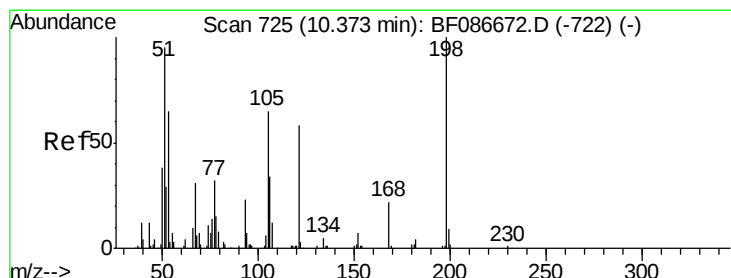
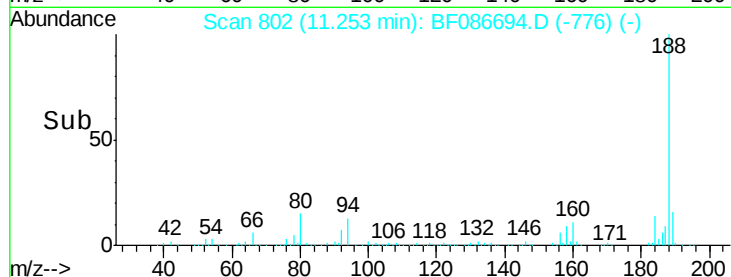
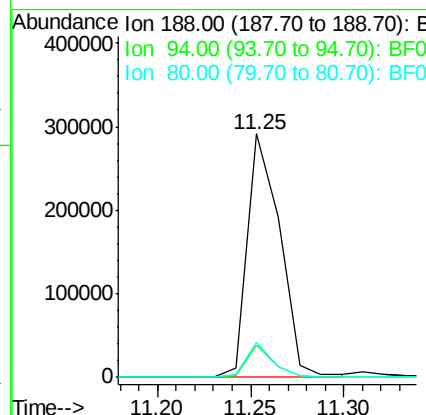
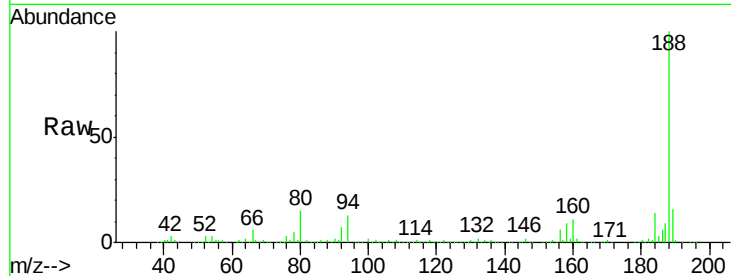




#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

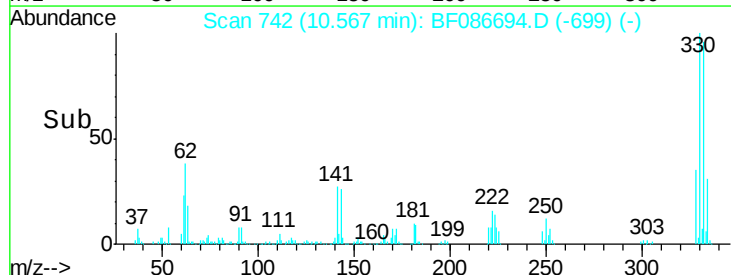
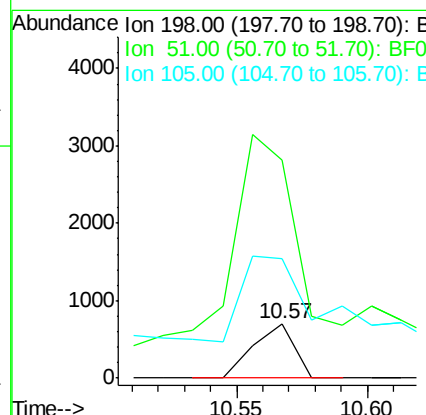
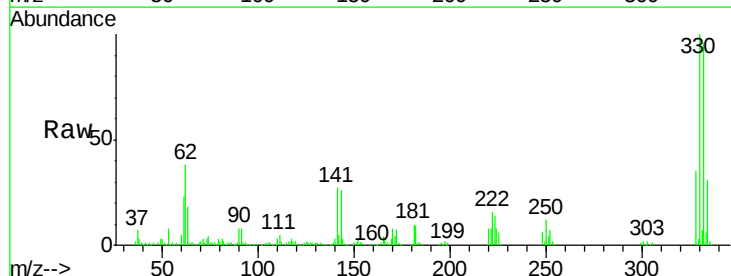
Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-1(0-8FTBGS)

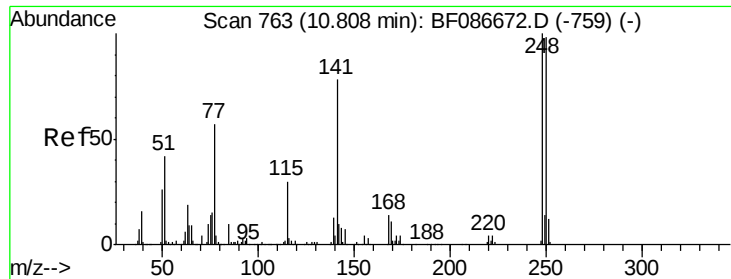
Tgt Ion:188 Resp: 353683
Ion Ratio Lower Upper
188 100
94 13.4 6.8 10.2#
80 14.6 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.70 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.19 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion:198 Resp: 772
Ion Ratio Lower Upper
198 100
51 401.3 20.5 60.5#
105 219.9 24.5 64.5#

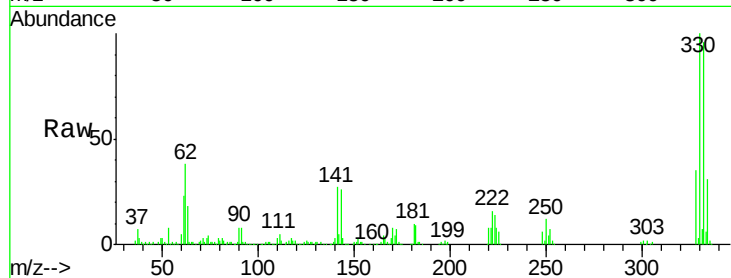




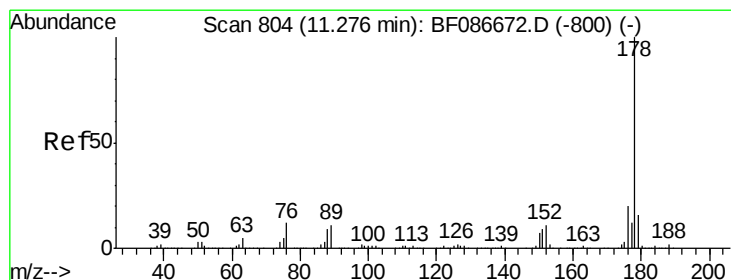
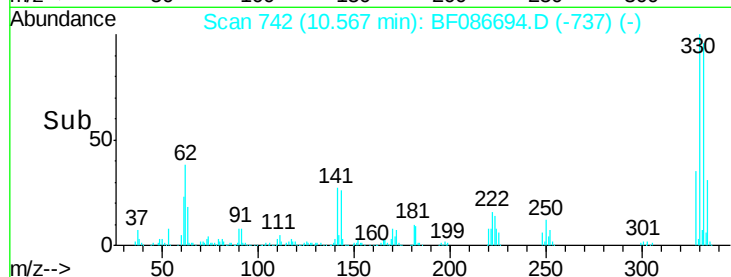
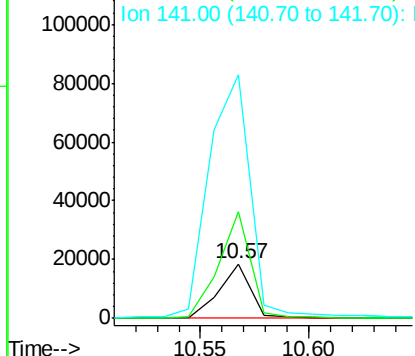
#66
4-Bromophenyl-phenylether
Concen: 5.30 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.24 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-1(0-8FTBGS)

Tgt Ion:248 Resp: 18641
Ion Ratio Lower Upper
248 100
250 195.1 78.6 117.8#
141 445.0 76.0 114.0#

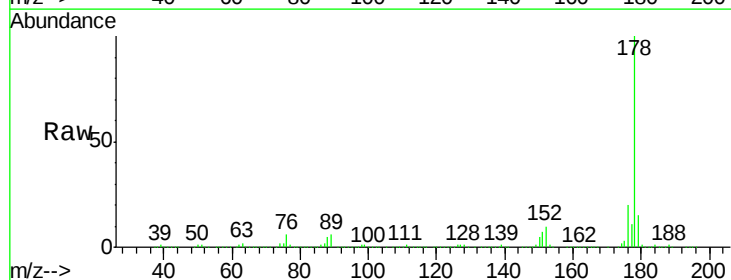


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

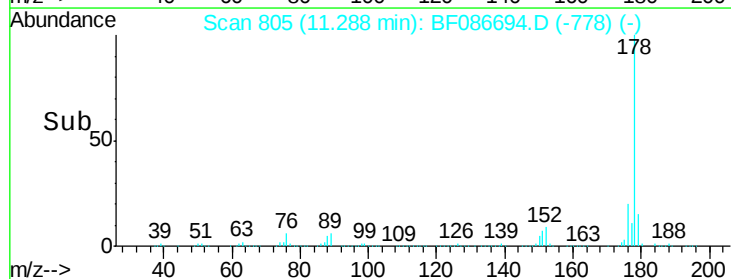
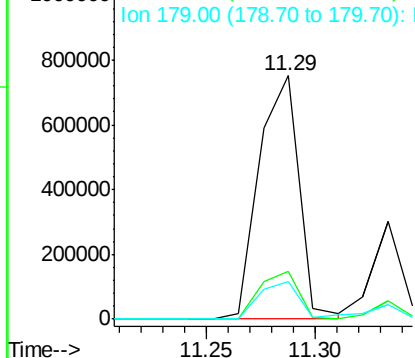


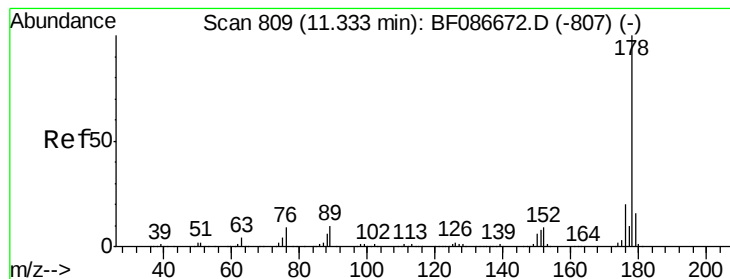
#70
Phenanthrene
Concen: 50.93 ng
RT: 11.29 min Scan# 805
Delta R.T. 0.01 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion:178 Resp: 967593
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.3 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: 15.65 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

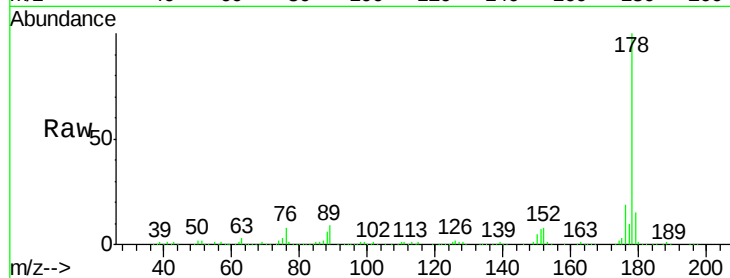
Tgt Ion:178 Resp: 311389

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

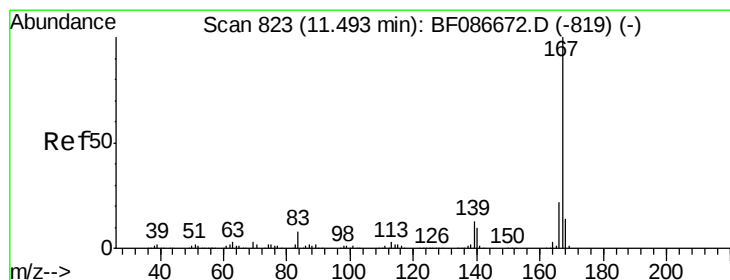
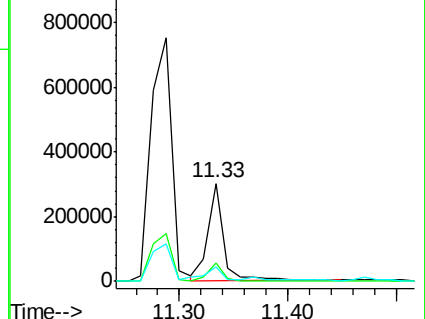
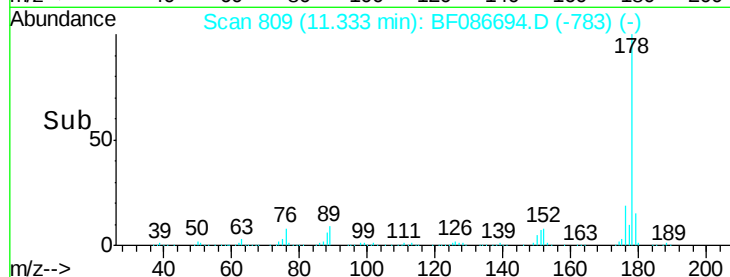
179 15.3 12.7 19.1



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



#72

Carbazole

Concen: 3.38 ng

RT: 11.49 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

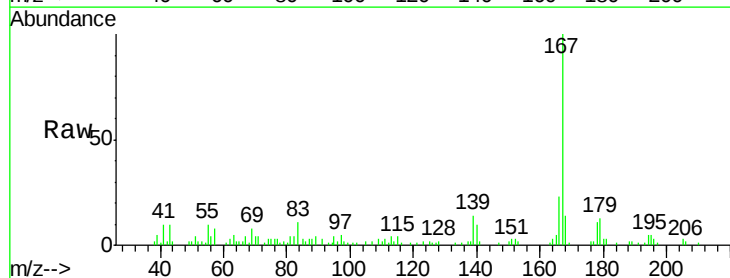
Tgt Ion:167 Resp: 58369

Ion Ratio Lower Upper

167 100

166 22.7 17.7 26.5

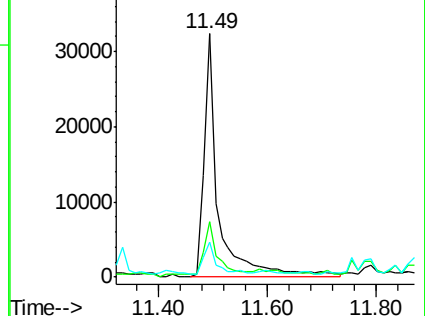
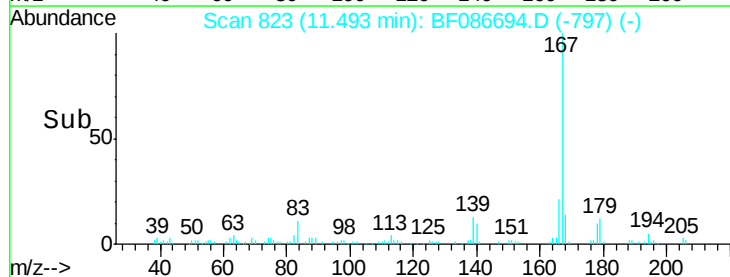
139 14.3 10.8 16.2

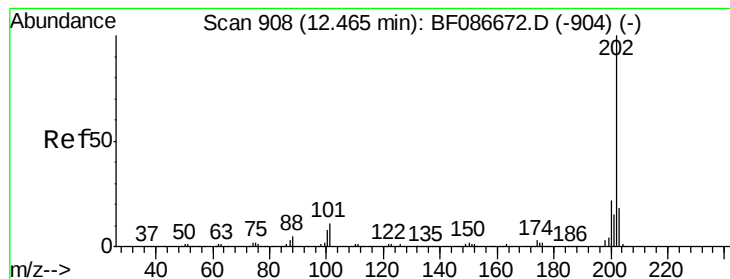


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 49.58 ng

RT: 12.46 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

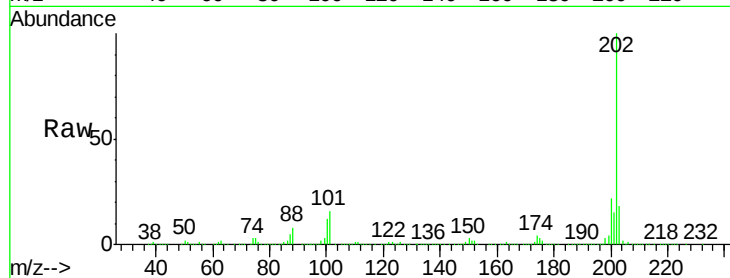
Tgt Ion:202 Resp: 943852

Ion Ratio Lower Upper

202 100

101 15.6 0.0 35.4

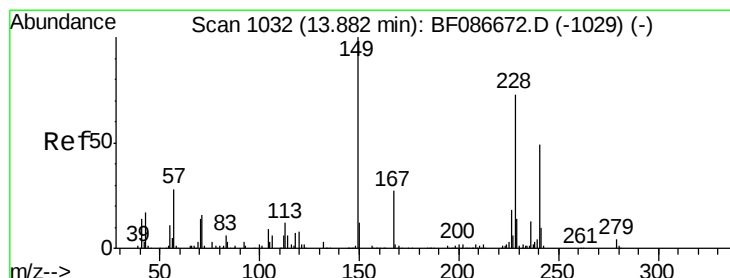
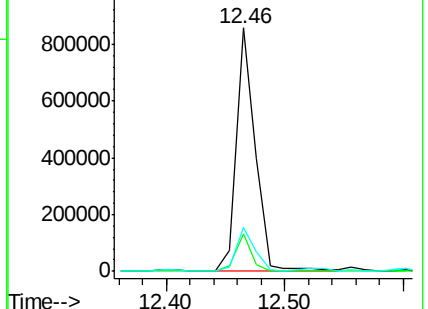
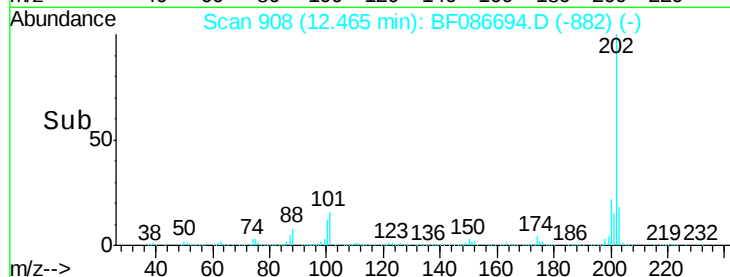
203 18.1 0.0 38.1



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: 40.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. 0.01 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

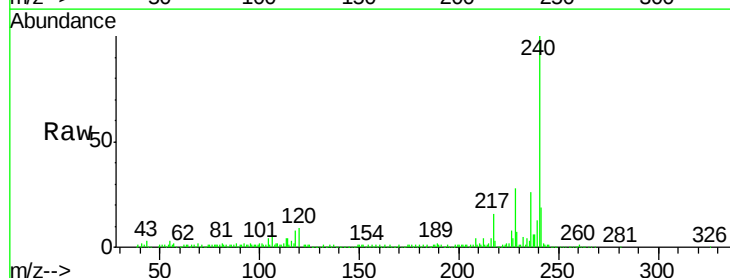
Tgt Ion:240 Resp: 329682

Ion Ratio Lower Upper

240 100

120 9.5 11.2 16.8#

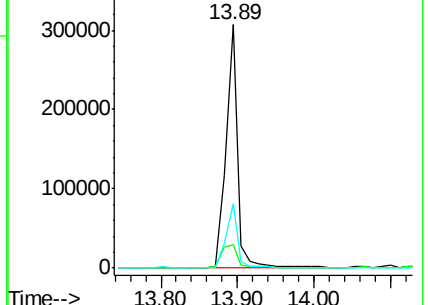
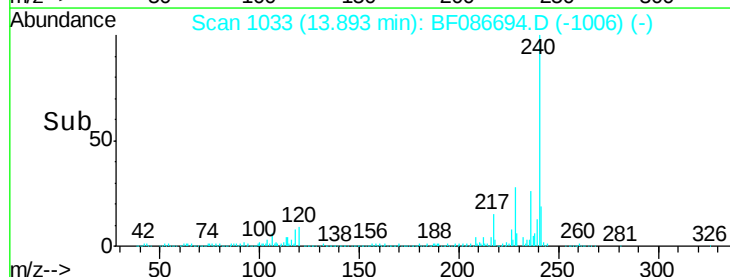
236 26.3 21.2 31.8

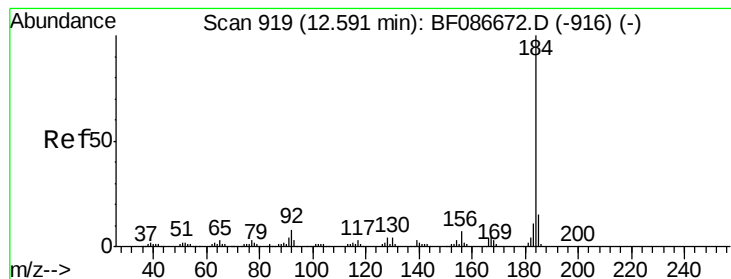


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 8.50 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.25 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

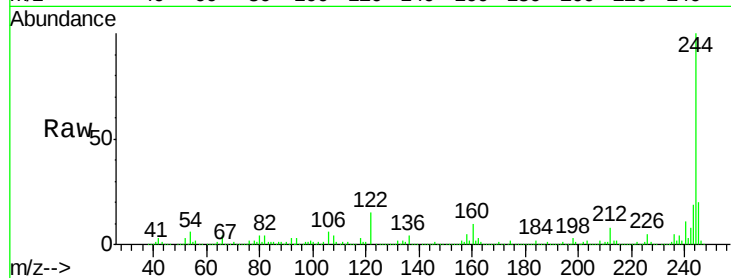
Tgt Ion:184 Resp: 14945

Ion Ratio Lower Upper

184 100

185 20.1 13.6 20.4

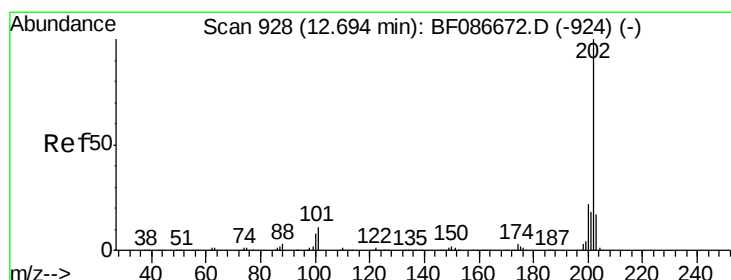
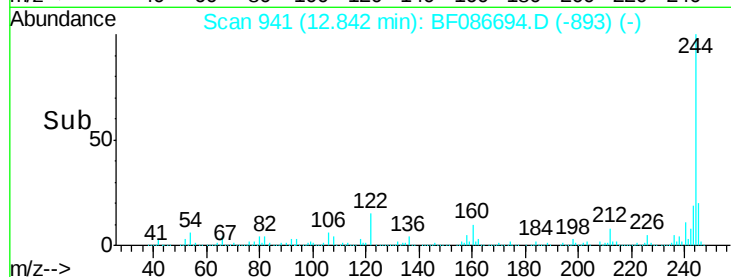
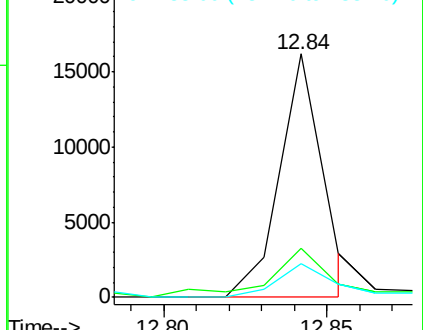
183 14.1 9.8 14.6



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: 34.11 ng

RT: 12.69 min Scan# 928

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

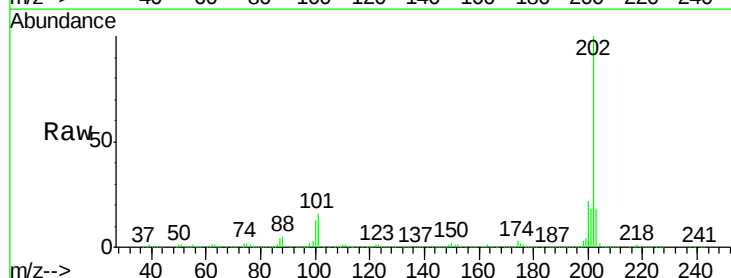
Tgt Ion:202 Resp: 896420

Ion Ratio Lower Upper

202 100

200 21.9 17.7 26.5

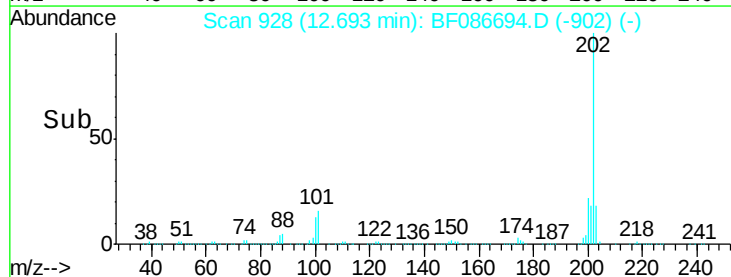
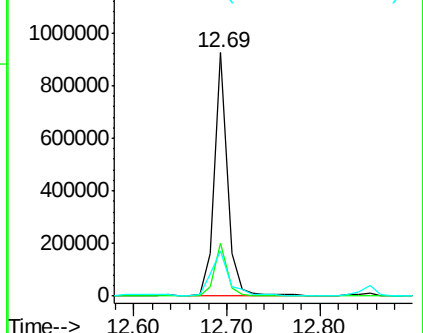
203 18.4 14.2 21.4

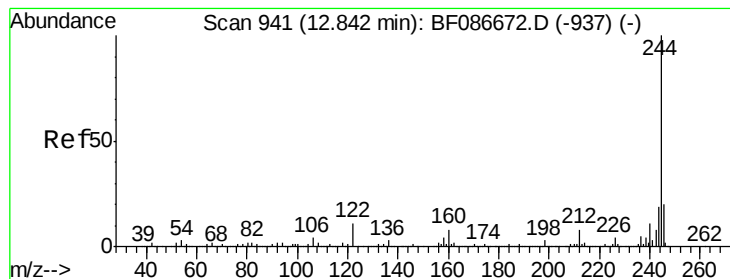


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.89 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

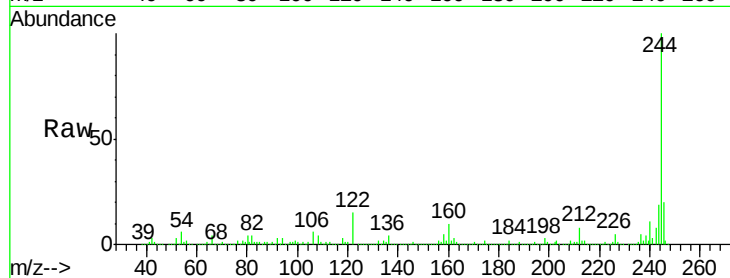
Tgt Ion:244 Resp: 944325

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

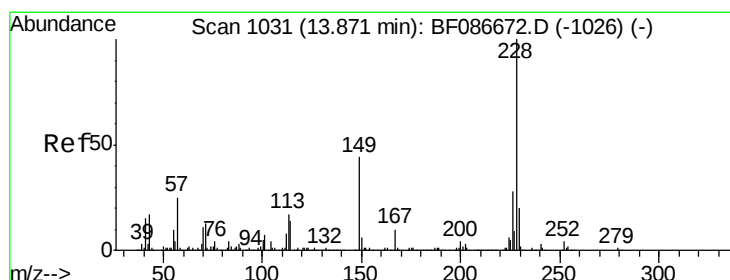
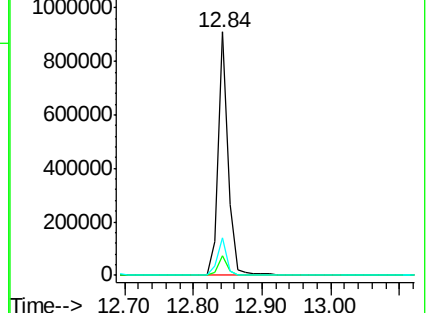
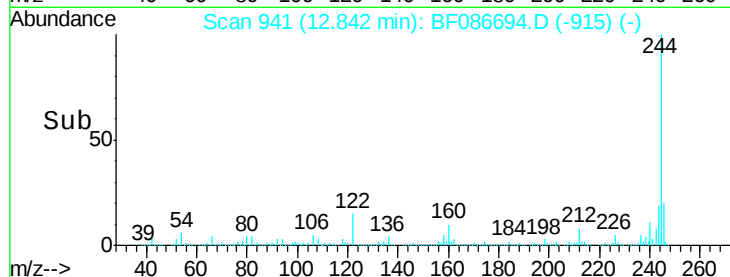
122 15.4 12.0 18.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 28.98 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

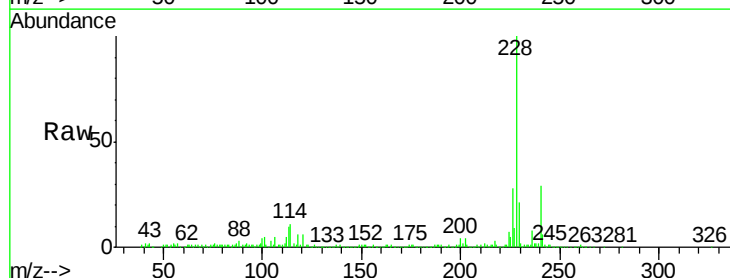
Tgt Ion:228 Resp: 540410

Ion Ratio Lower Upper

228 100

226 28.2 22.5 33.7

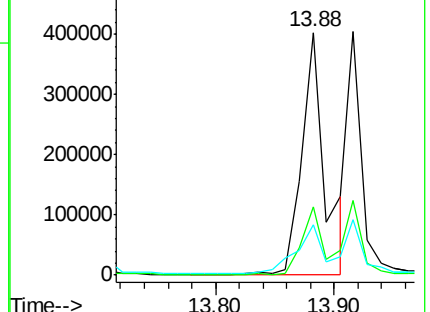
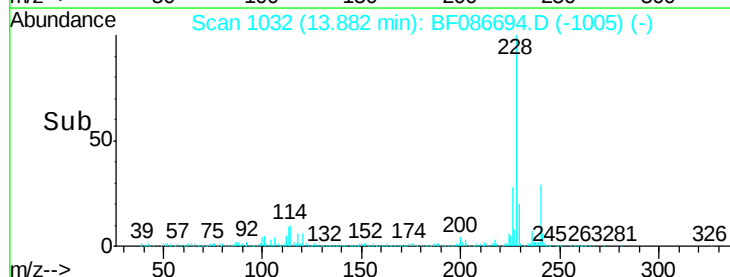
229 20.7 16.6 25.0

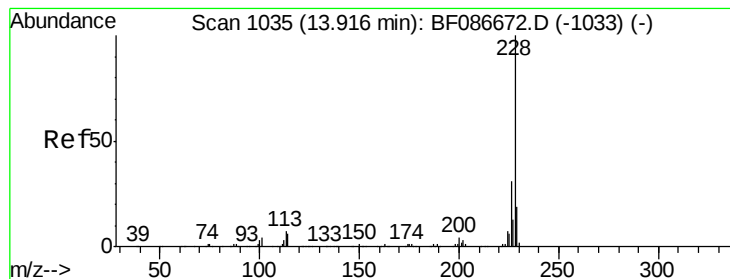


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 27.17 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

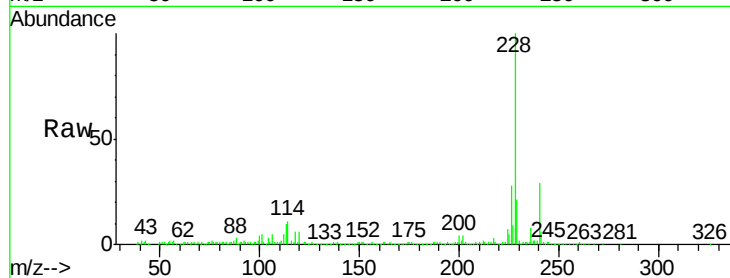
Tgt Ion:228 Resp: 540410

Ion Ratio Lower Upper

228 100

226 28.2 24.4 36.6

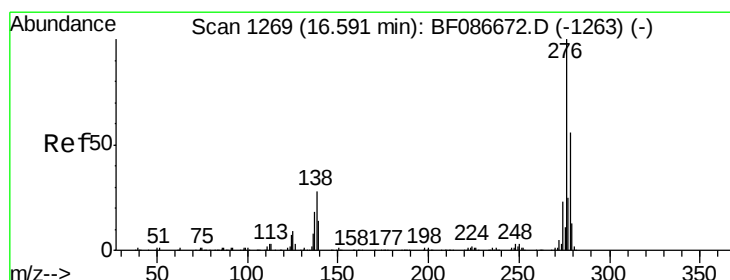
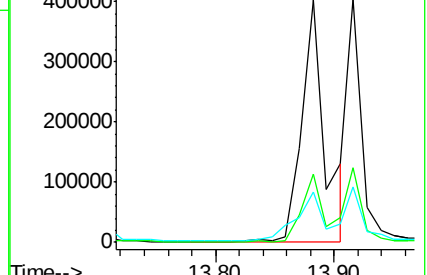
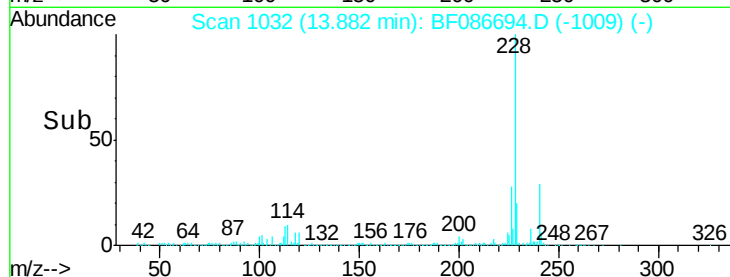
229 20.7 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.30 ng

RT: 16.60 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

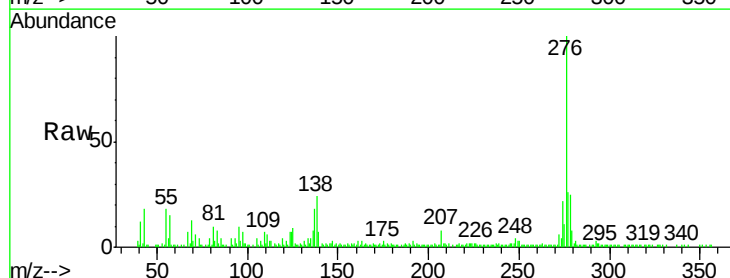
Tgt Ion:276 Resp: 124592

Ion Ratio Lower Upper

276 100

138 23.2 25.6 38.4#

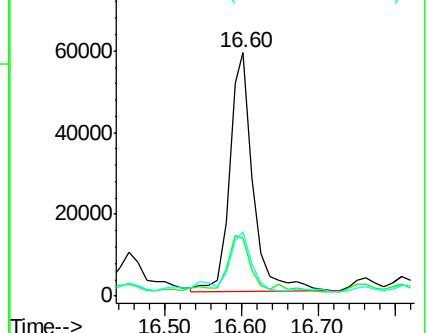
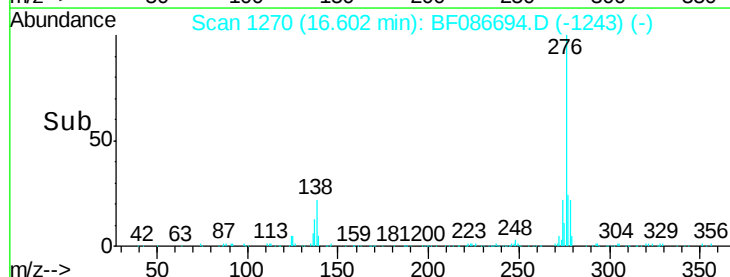
277 27.1 20.5 30.7

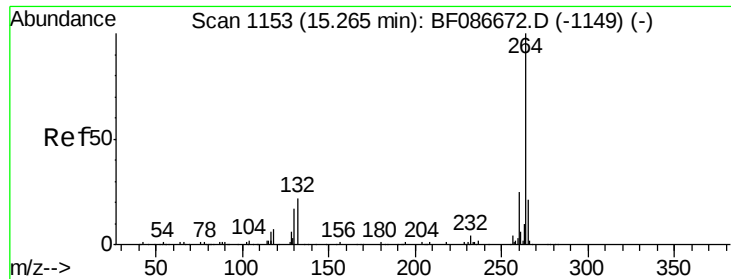


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

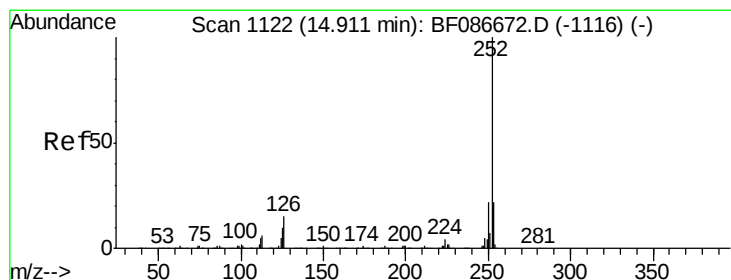
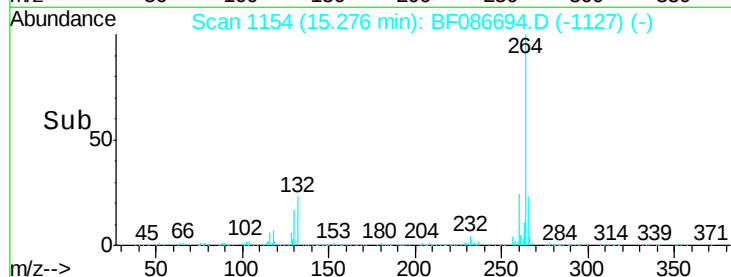
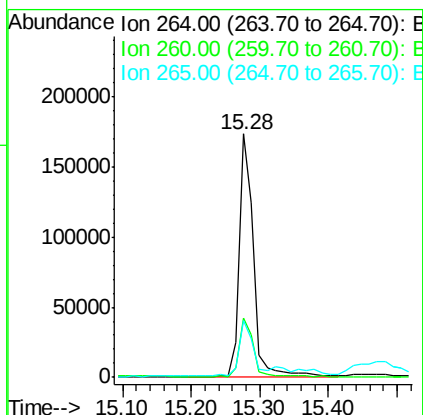
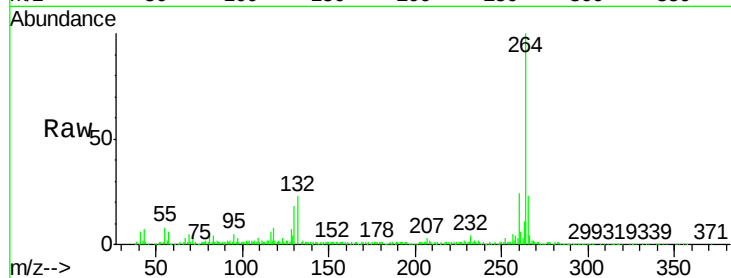




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

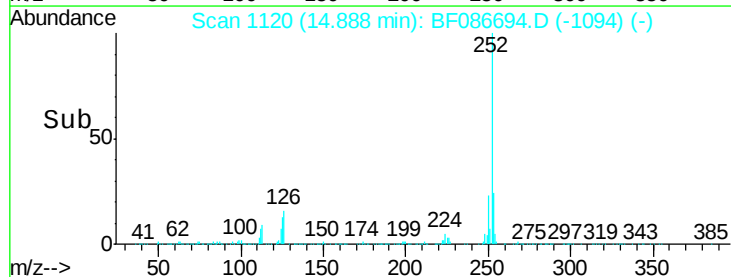
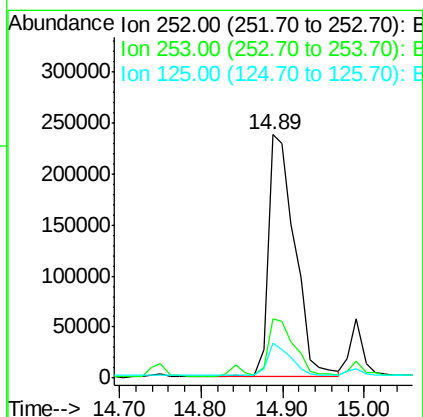
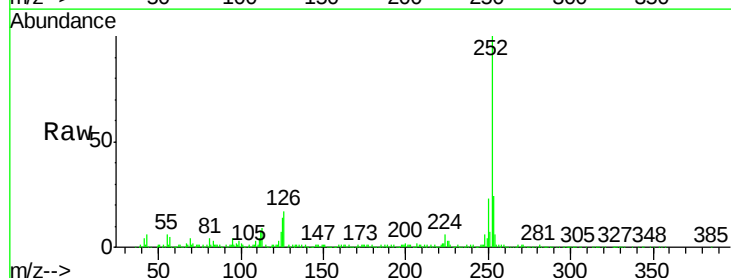
Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-1(0-8FTBGS)

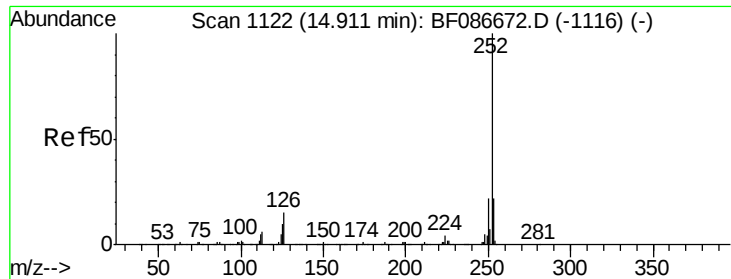
Tgt Ion:264 Resp: 249253
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 23.3 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 35.81 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion:252 Resp: 536386
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 14.1 11.4 17.0

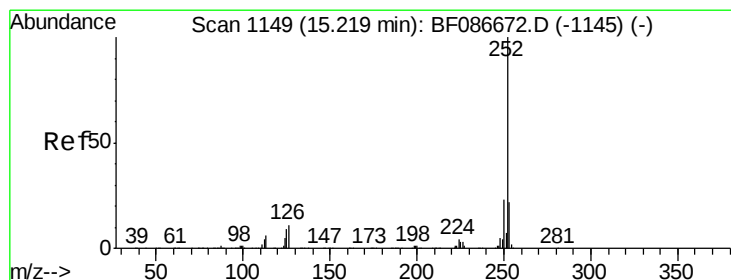
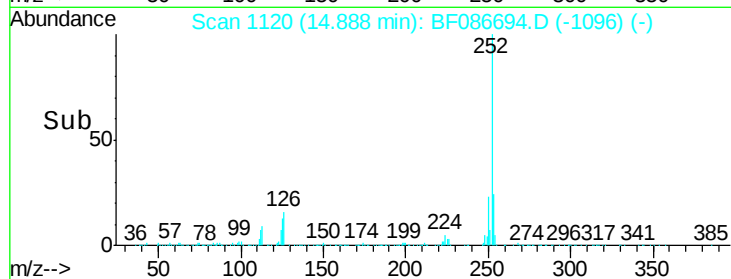
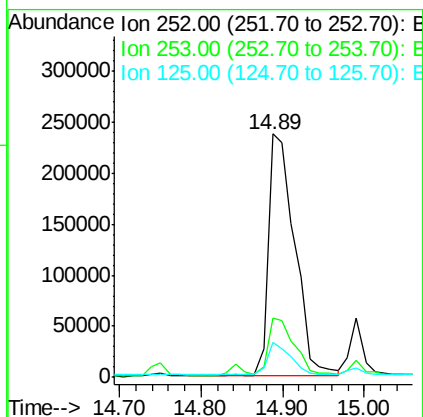
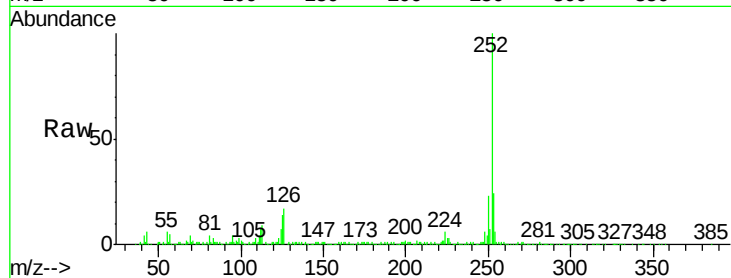




#88
Benzo(k)fluoranthene
Concen: 38.01 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

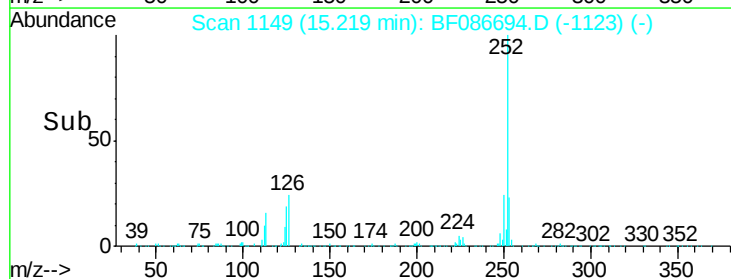
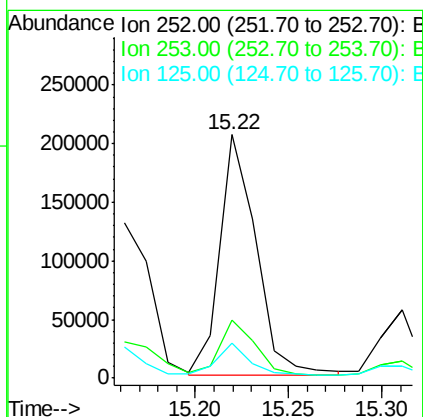
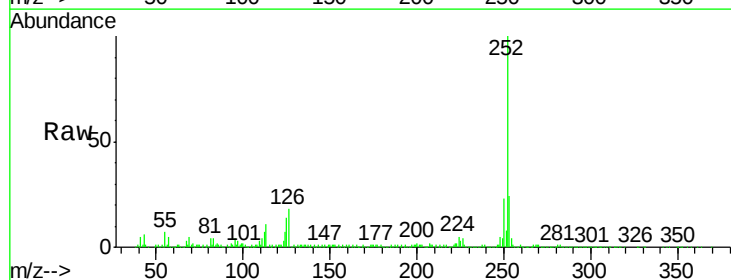
Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-1(0-8FTBGS)

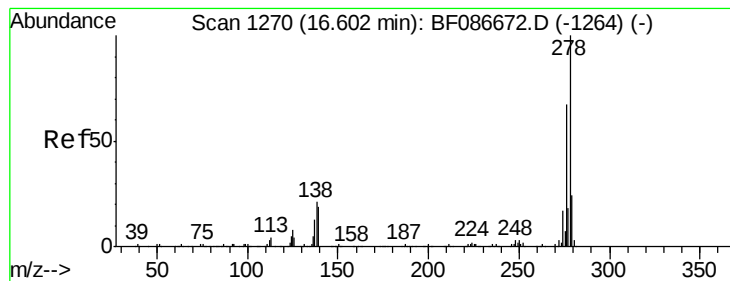
Tgt Ion:252 Resp: 536386
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 14.1 9.1 13.7#



#89
Benzo(a)pyrene
Concen: 20.37 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF086694.D
Acq: 4 May 2016 23:31

Tgt Ion:252 Resp: 281057
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 14.4 9.0 13.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.21 ng

RT: 16.60 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-1(0-8FTBGS)

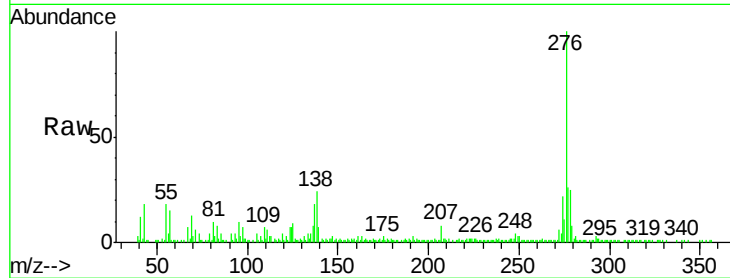
Tgt Ion:278 Resp: 29337

Ion Ratio Lower Upper

278 100

139 28.3 16.6 24.8#

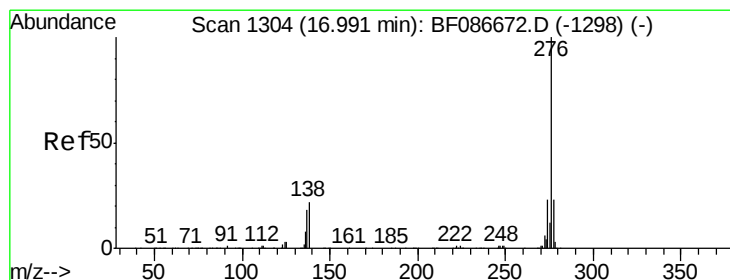
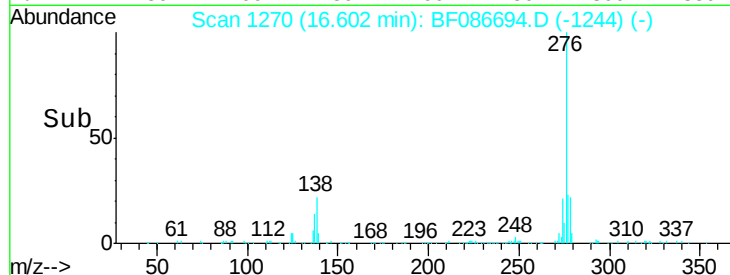
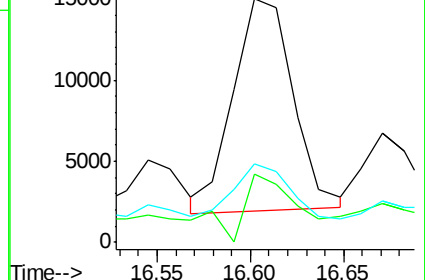
279 32.0 19.6 29.4#



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: 8.14 ng

RT: 16.99 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF086694.D

Acq: 4 May 2016 23:31

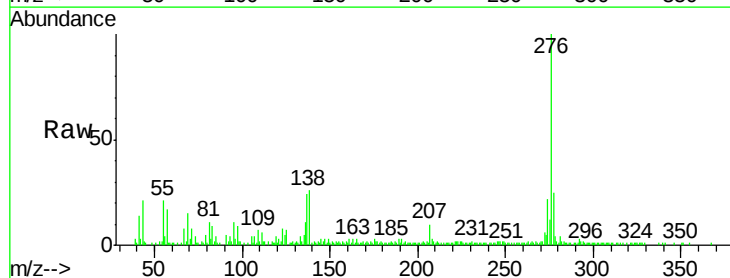
Tgt Ion:276 Resp: 113214

Ion Ratio Lower Upper

276 100

277 24.7 19.6 29.4

138 26.4 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

