

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086696.D
 Acq On : 5 May 2016 00:28
 Operator : UM/SJ
 Sample : H2715-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-3(16-23FTBGS)

Quant Time: May 05 02:34:50 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	162774	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	576471	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	230818	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	347037	40.00	ng	0.00
75) Chrysene-d12	13.88	240	340178	40.00	ng	0.00
86) Perylene-d12	15.28	264	253997	40.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1236309	125.74	ng	0.01
7) Phenol-d6	6.38	99	1553983	117.33	ng	0.01
23) Nitrobenzene-d5	7.31	82	1167349	104.06	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	278690	123.43	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1275261	90.57	ng	0.00
78) Terphenyl-d14	12.84	244	848475	50.41	ng	0.00

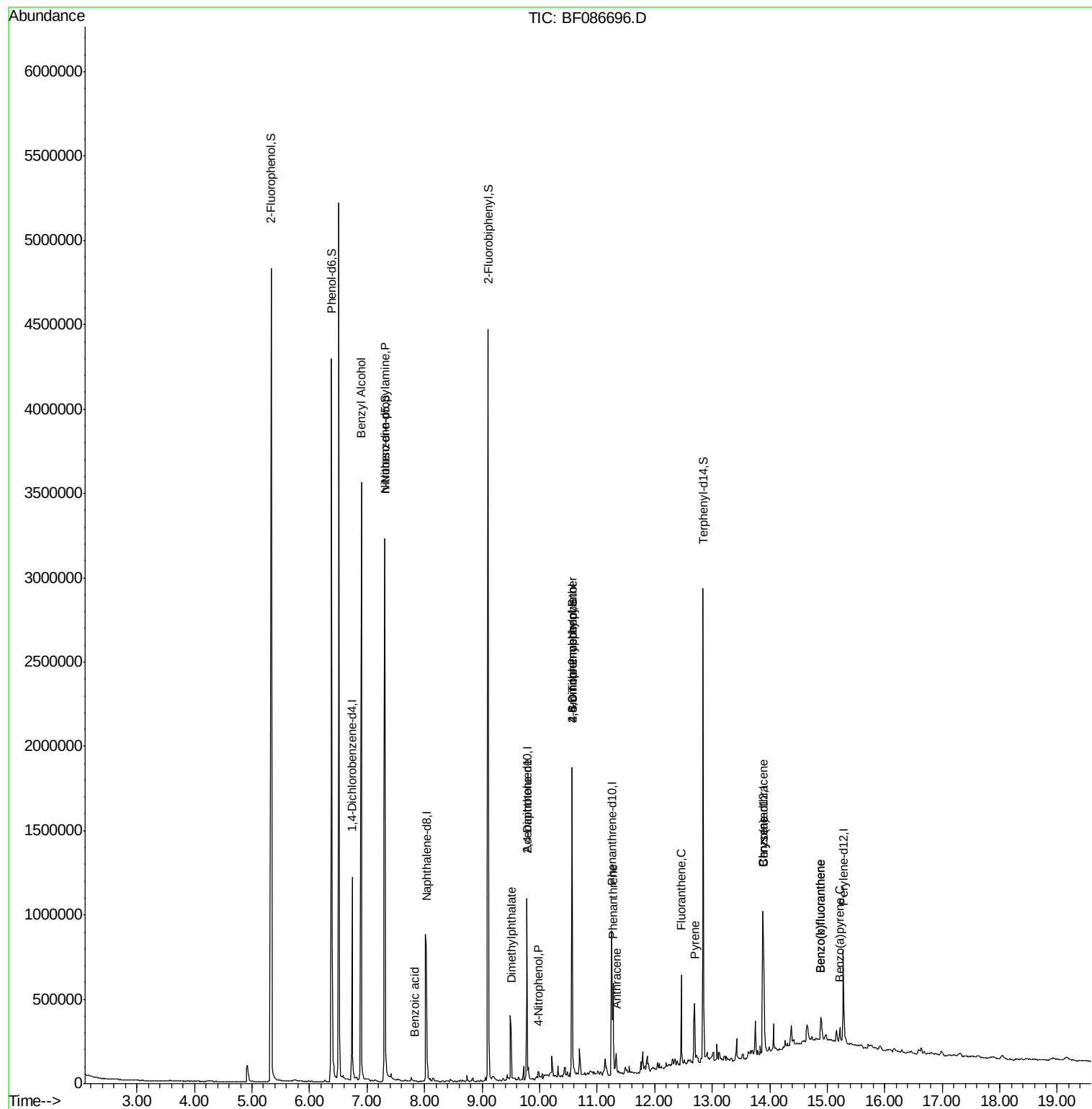
Target Compounds						Qvalue
15) Benzyl Alcohol	6.90	79	20053	2.34	ng	# 38
19) n-Nitroso-di-n-propylamine	7.31	70	162917	18.00	ng	# 76
32) Benzoic acid	7.82	122	345	8.50	ng	# 29
49) Dimethylphthalate	9.50	163	206982	12.03	ng	98
55) 4-Nitrophenol	9.98	139	7973	3.26	ng	# 23
56) 2,4-Dinitrotoluene	9.78	165	30964	6.77	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.57	198	573	5.58	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	16599	4.81	ng	# 1
70) Phenanthrene	11.28	178	201395	10.80	ng	99
71) Anthracene	11.33	178	62308	3.19	ng	99
74) Fluoranthene	12.46	202	201764	10.80	ng	95
77) Pyrene	12.69	202	180144	6.64	ng	98
80) Benzo(a)anthracene	13.88	228	88810	4.62	ng	96
82) Chrysene	13.88	228	88810	4.33	ng	98
87) Benzo(b)fluoranthene	14.89	252	97159	6.37	ng	95
88) Benzo(k)fluoranthene	14.89	252	97159	6.76	ng	# 93
89) Benzo(a)pyrene	15.22	252	47650	3.39	ng	# 92

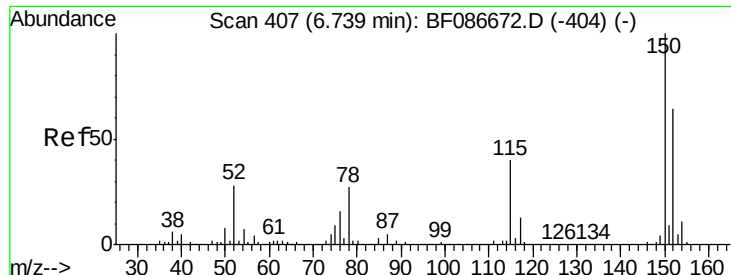
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

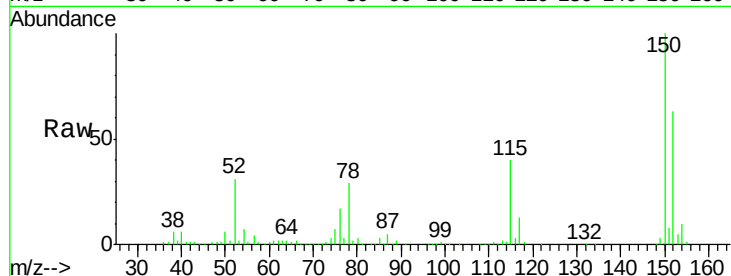
Tgt Ion:152 Resp: 162774

Ion Ratio Lower Upper

152 100

150 158.0 125.8 188.6

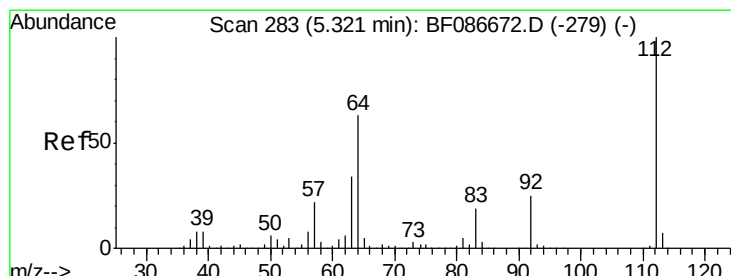
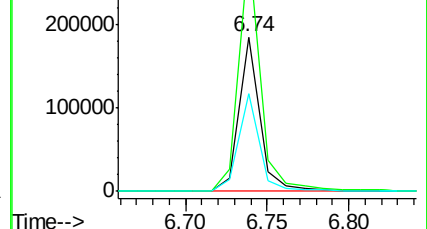
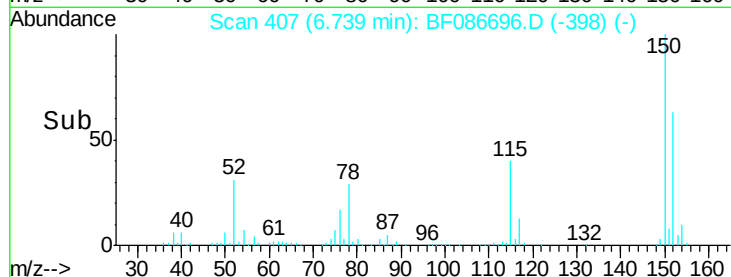
115 63.1 51.5 77.3



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: 125.74 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

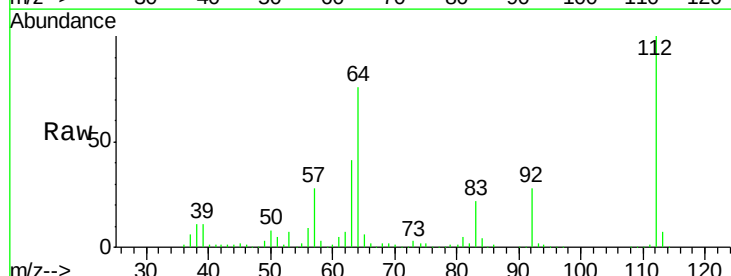
Tgt Ion:112 Resp: 1236309

Ion Ratio Lower Upper

112 100

64 76.1 52.1 78.1

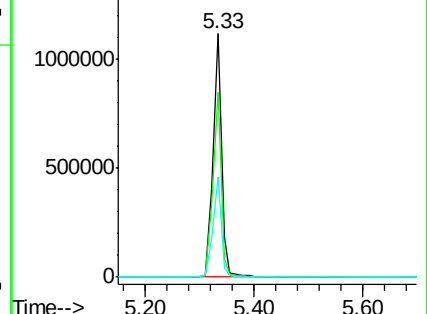
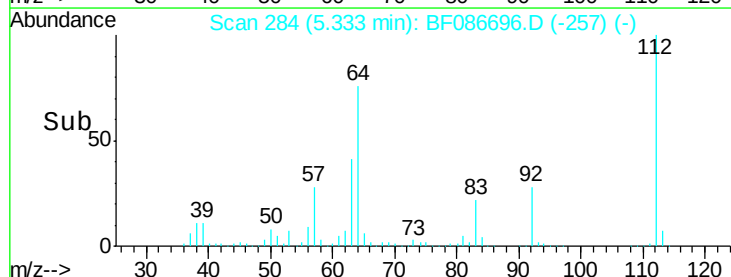
63 41.1 25.7 38.5

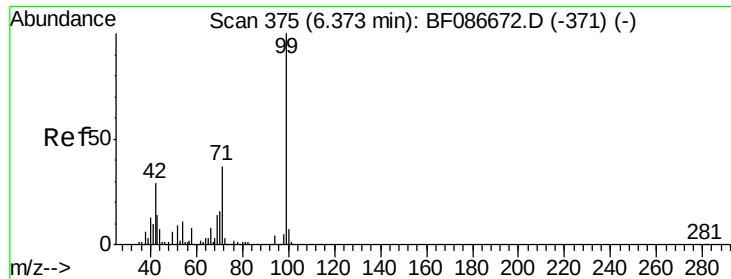


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.33 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

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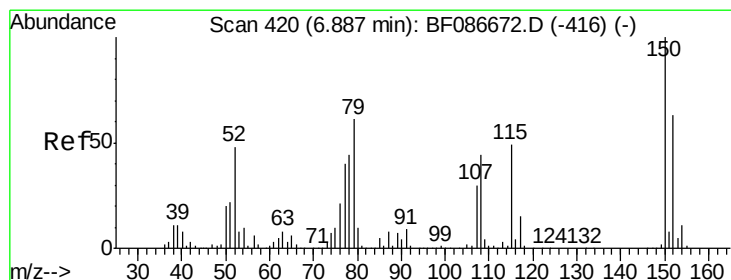
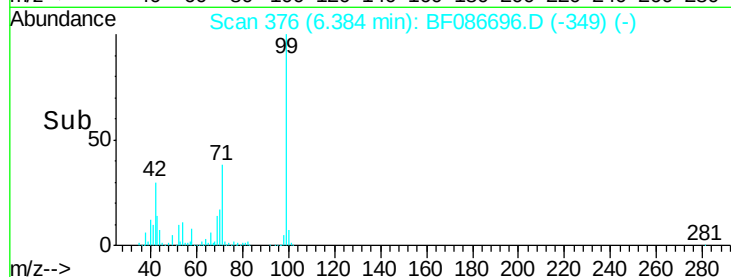
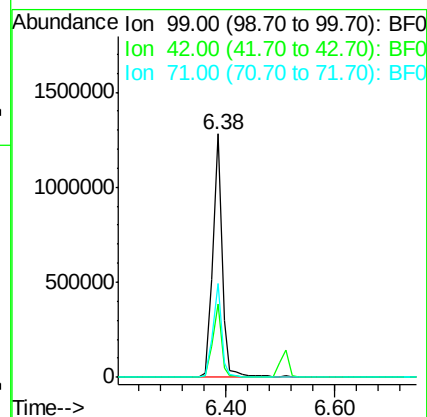
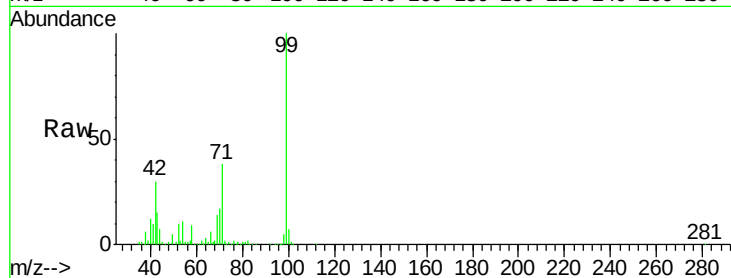
Tgt Ion: 99 Resp: 1553983

Ion Ratio Lower Upper

99 100

42 30.2 13.6 20.4#

71 38.3 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.34 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

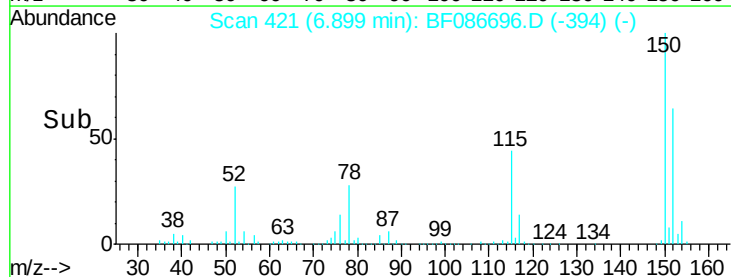
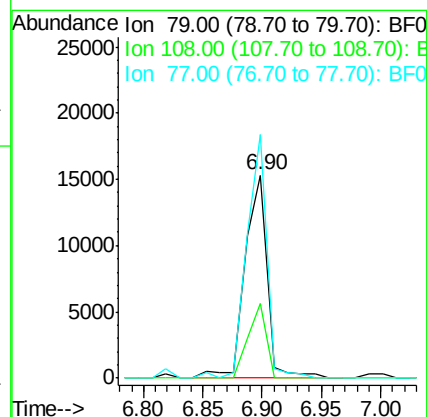
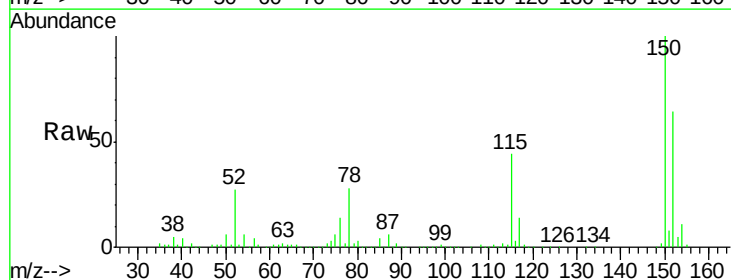
Tgt Ion: 79 Resp: 20053

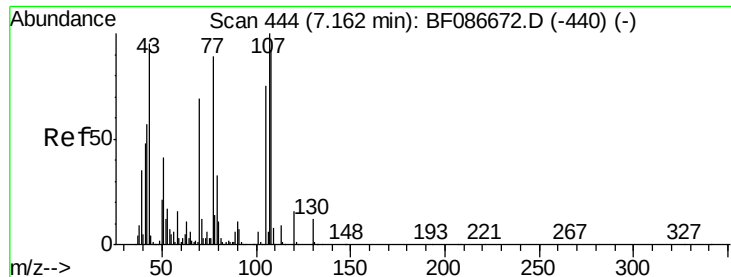
Ion Ratio Lower Upper

79 100

108 36.6 68.4 102.6#

77 119.9 50.6 76.0#

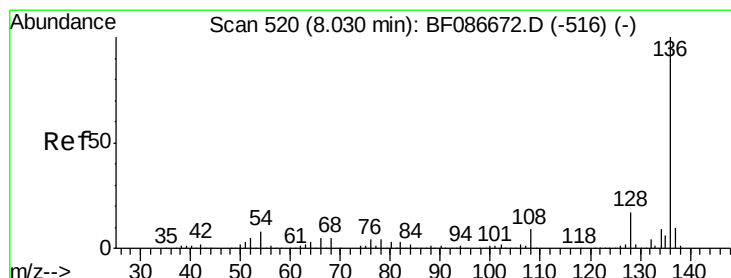
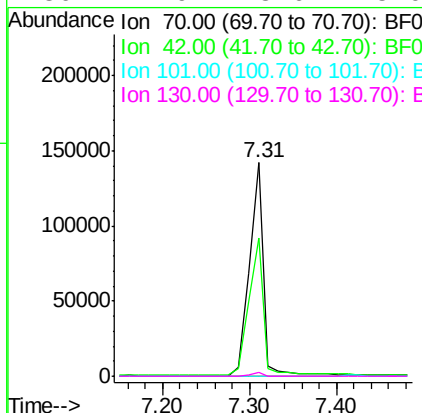
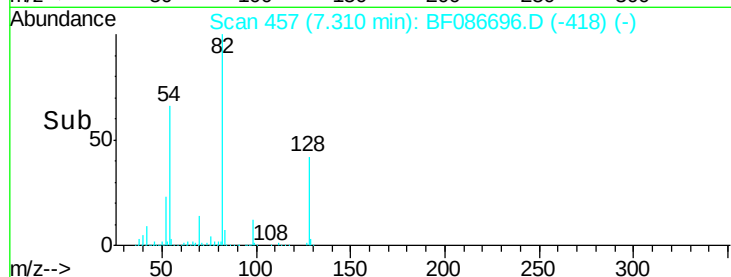
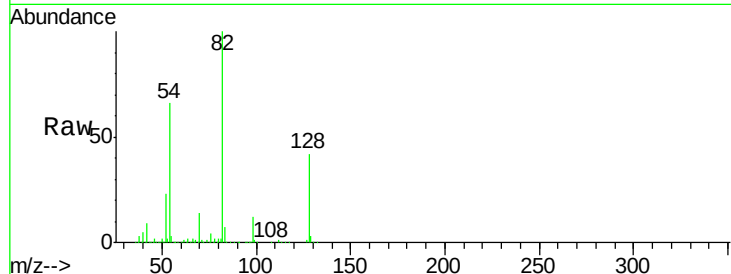




#19
n-Nitroso-di-n-propylamine
Concen: 18.00 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.15 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

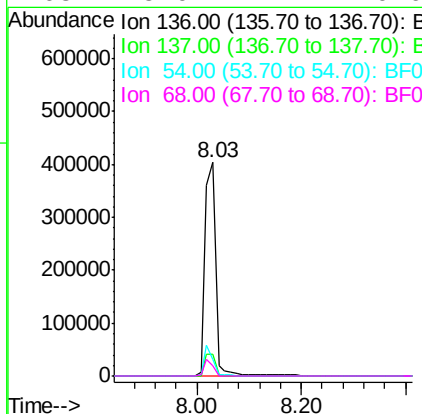
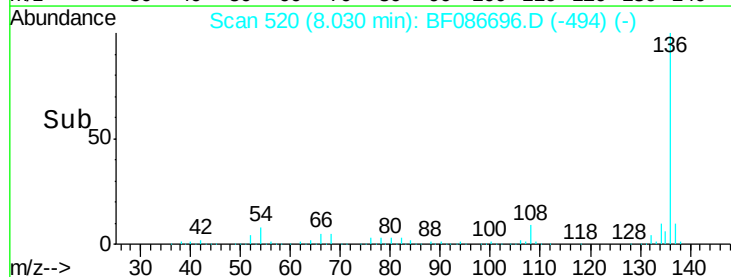
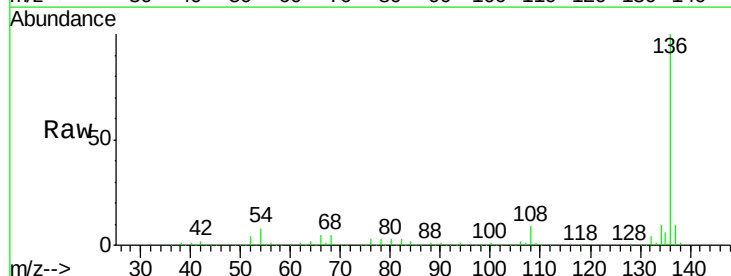
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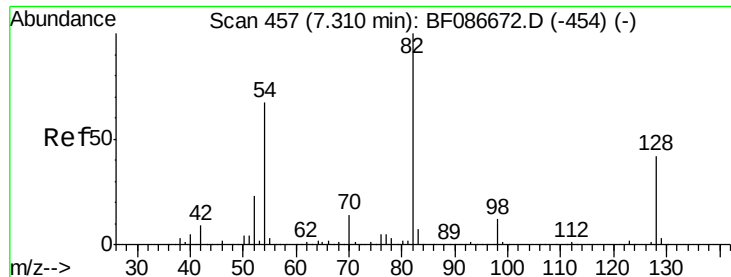
Tgt Ion: 70 Resp: 162917
Ion Ratio Lower Upper
70 100
42 64.9 43.1 64.7#
101 0.0 8.1 12.1#
130 1.9 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion: 136 Resp: 576471
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 8.1 5.0 7.4#
68 5.0 4.4 6.6

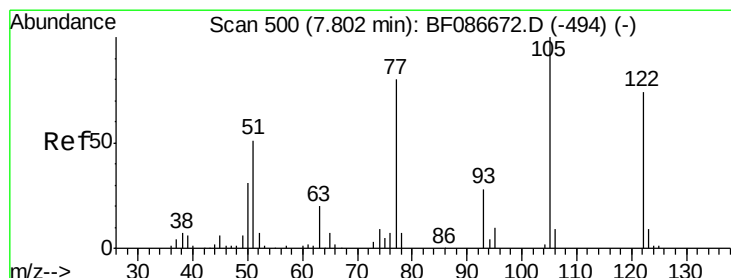
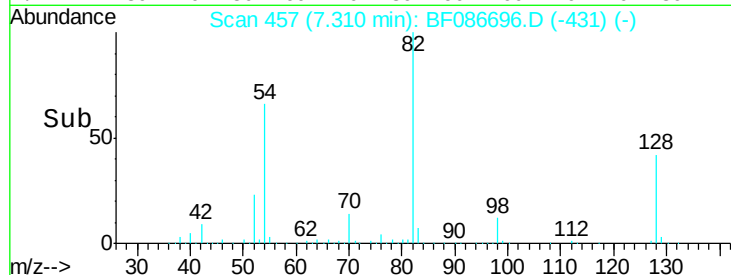
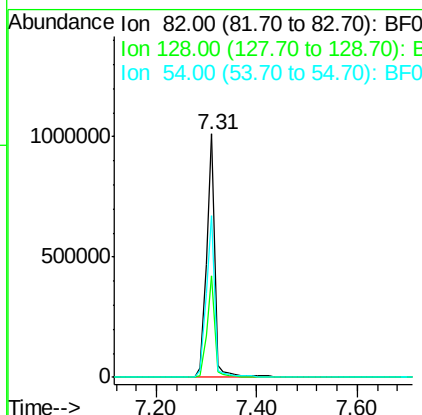
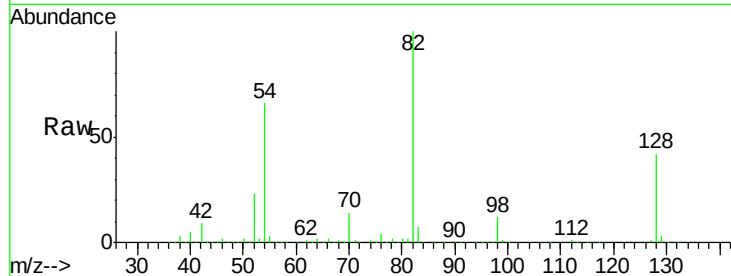




#23
 Nitrobenzene-d5
 Concen: 104.06 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

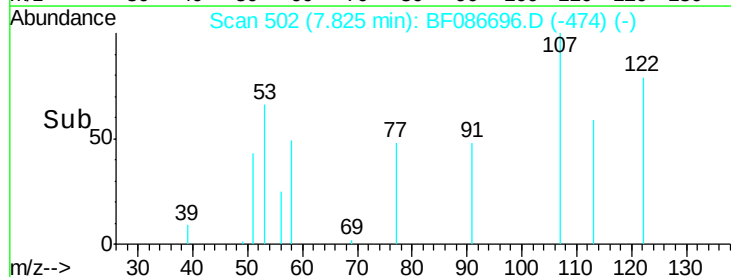
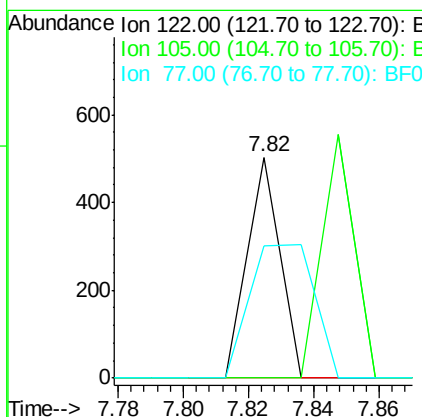
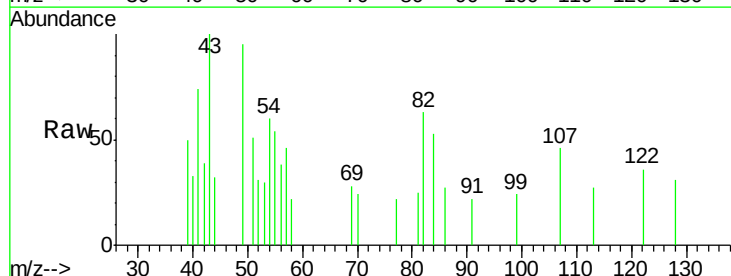
Instrument :
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 26WARD-4-CS-3(16-23FTBGS)

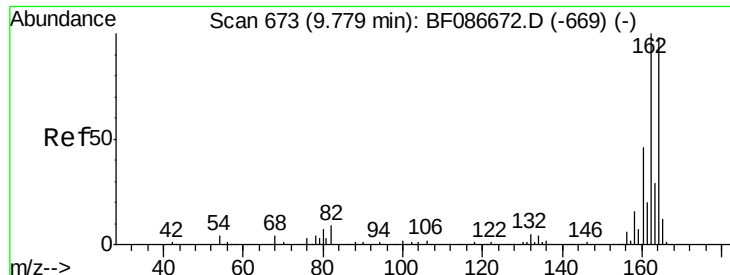
Tgt Ion: 82 Resp: 1167349
 Ion Ratio Lower Upper
 82 100
 128 41.8 40.6 61.0
 54 66.3 38.1 57.1#



#32
 Benzoic acid
 Concen: 8.50 ng
 RT: 7.82 min Scan# 502
 Delta R.T. 0.02 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Tgt Ion: 122 Resp: 345
 Ion Ratio Lower Upper
 122 100
 105 0.0 92.6 132.6#
 77 60.0 60.0 100.0

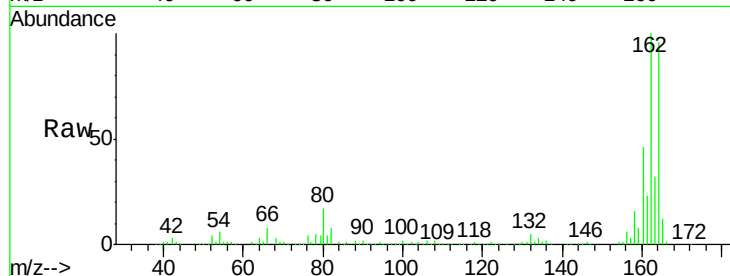




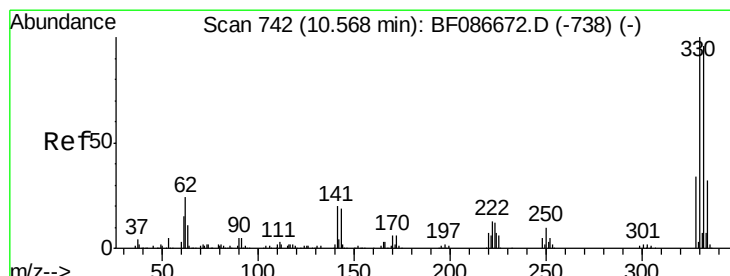
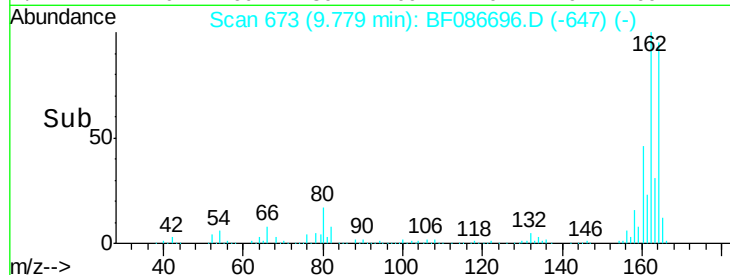
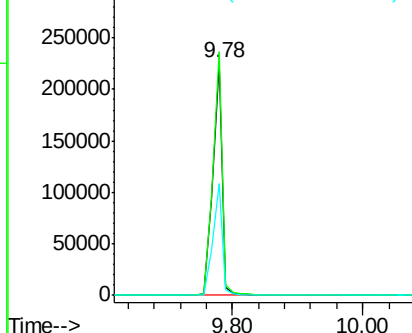
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-4-CS-3(16-23FTBGS)

Tgt Ion:164 Resp: 230818
 Ion Ratio Lower Upper
 164 100
 162 104.6 82.8 124.2
 160 48.1 36.9 55.3

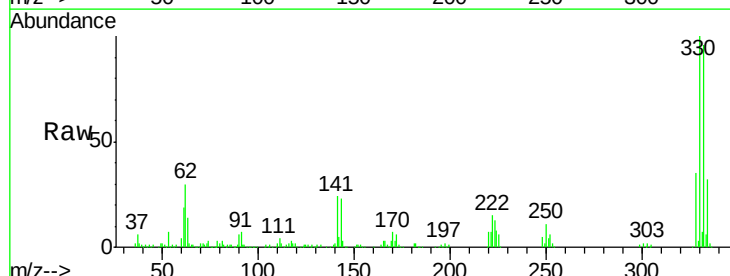


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

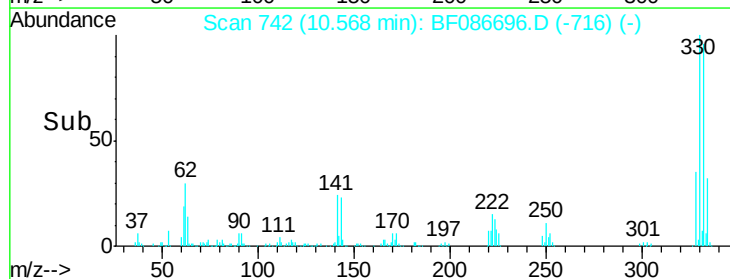
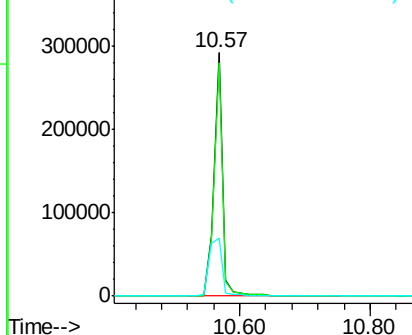


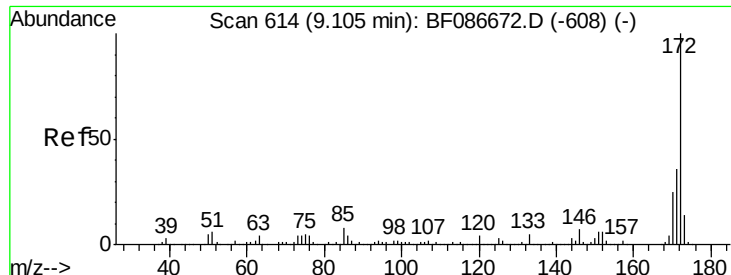
#41
 2,4,6-Tribromophenol
 Concen: 123.43 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Tgt Ion:330 Resp: 278690
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.0 118.4
 141 36.5 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

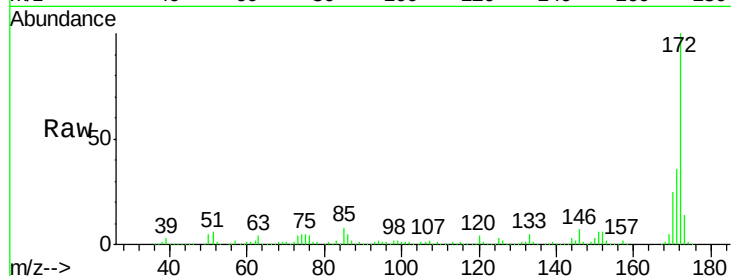




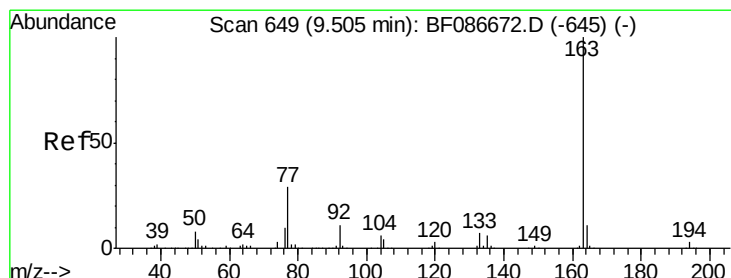
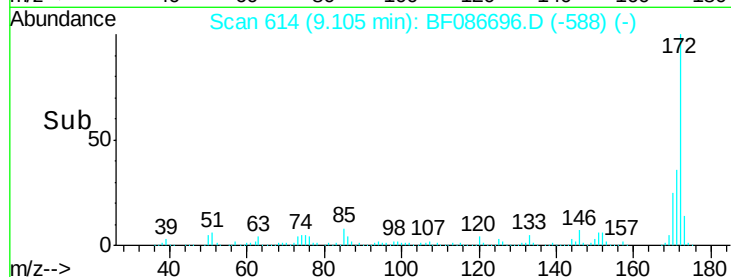
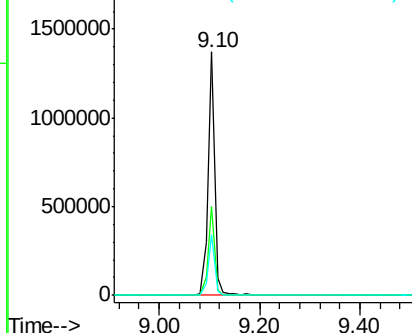
#44
 2-Fluorobiphenyl
 Concen: 90.57 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Instrument :
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Tgt Ion:172 Resp: 1275261
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.9 19.8 29.8

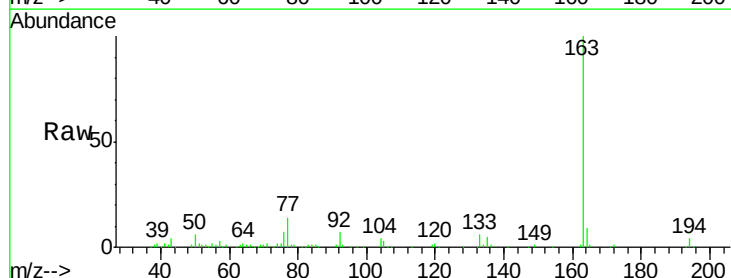


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

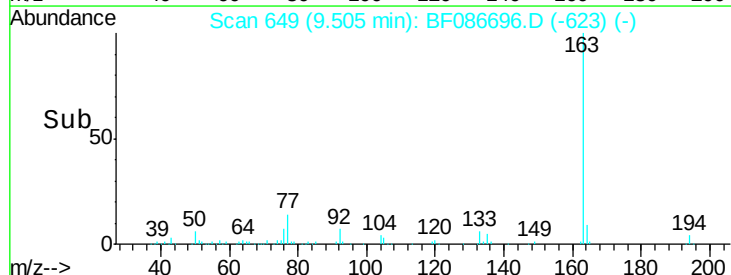
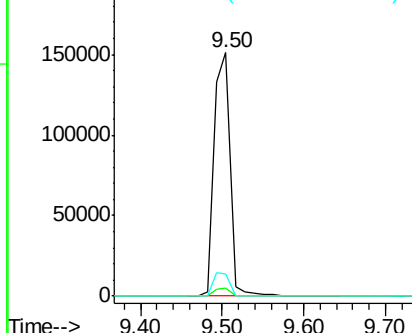


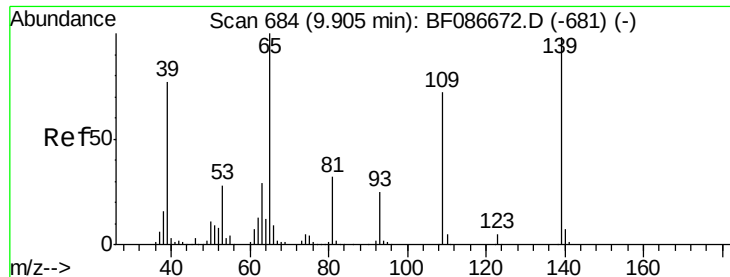
#49
 Dimethylphthalate
 Concen: 12.03 ng
 RT: 9.50 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: BF086696.D
 Acq: 5 May 2016 00:28

Tgt Ion:163 Resp: 206982
 Ion Ratio Lower Upper
 163 100
 194 3.6 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





#55

4-Nitrophenol

Concen: 3.26 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.08 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

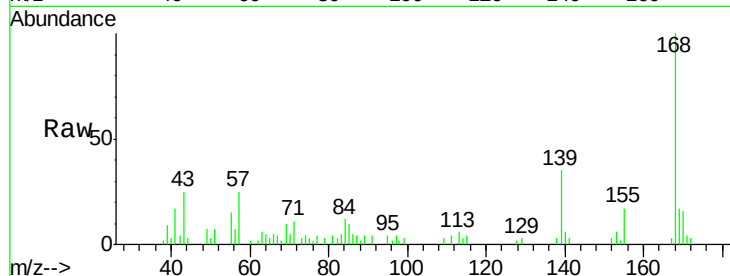
Tgt Ion:139 Resp: 7973

Ion Ratio Lower Upper

139 100

109 7.8 36.9 76.9#

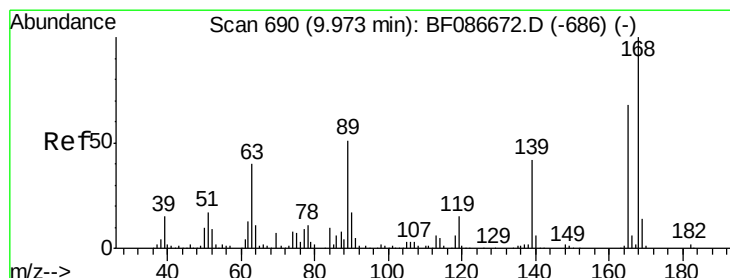
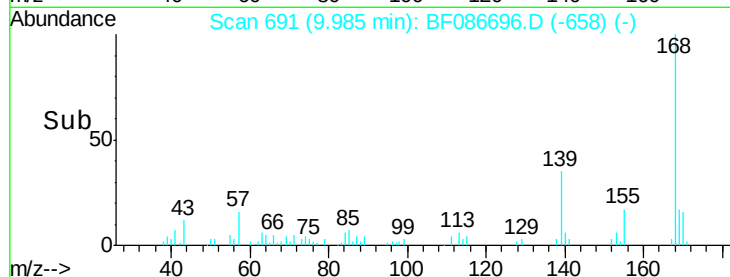
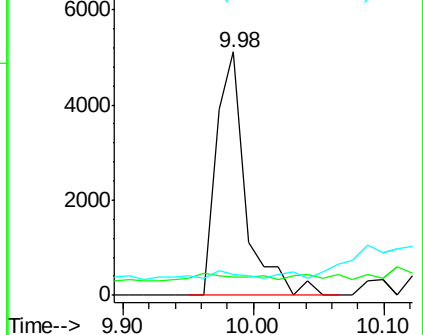
65 8.5 64.0 104.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.77 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.19 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Tgt Ion:165 Resp: 30964

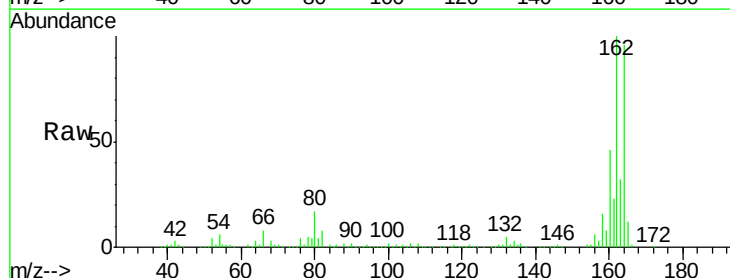
Ion Ratio Lower Upper

165 100

63 2.6 44.3 66.5#

89 2.3 70.0 105.0#

182 0.0 1.8 2.6#

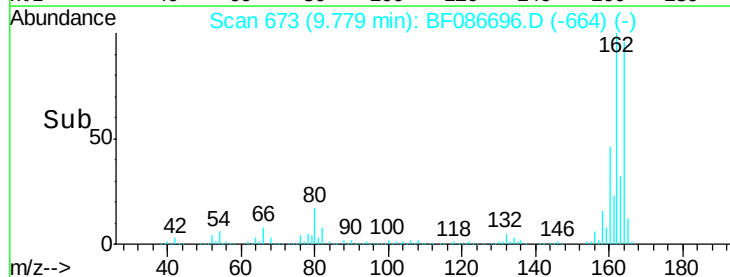
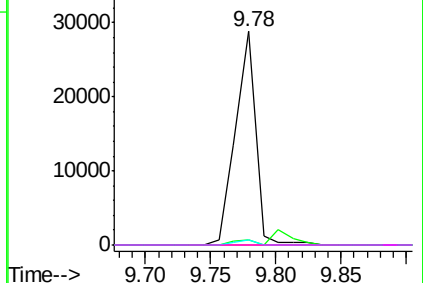


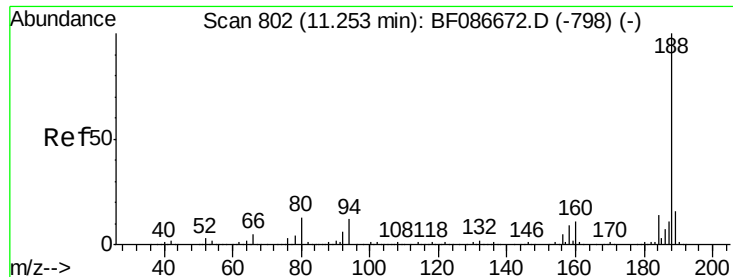
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

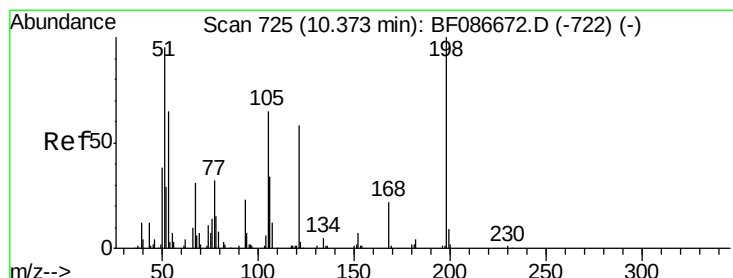
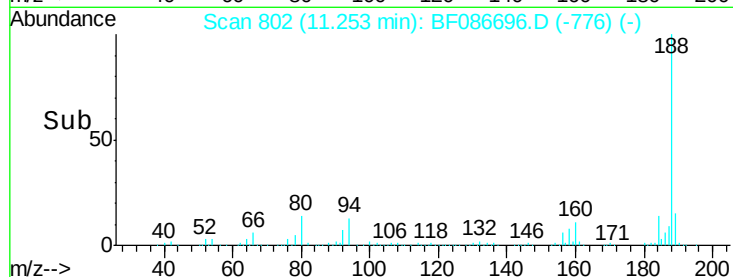
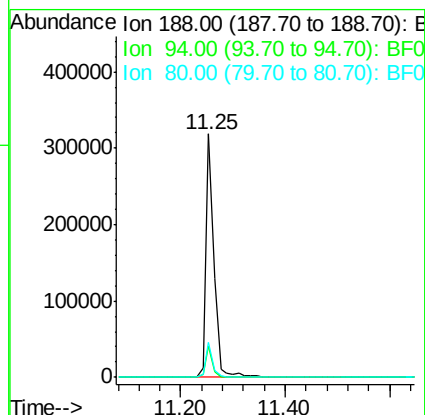
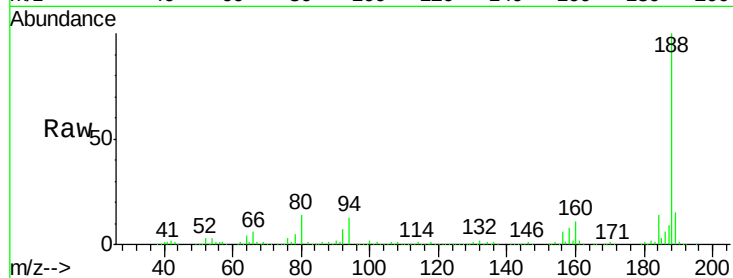




#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

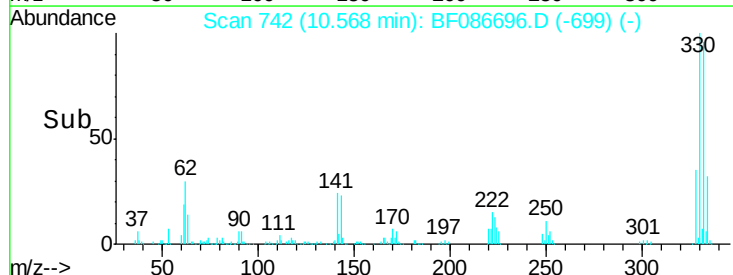
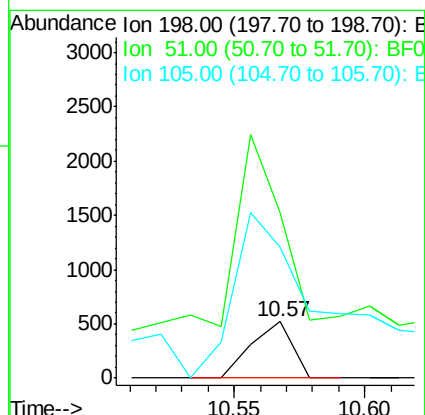
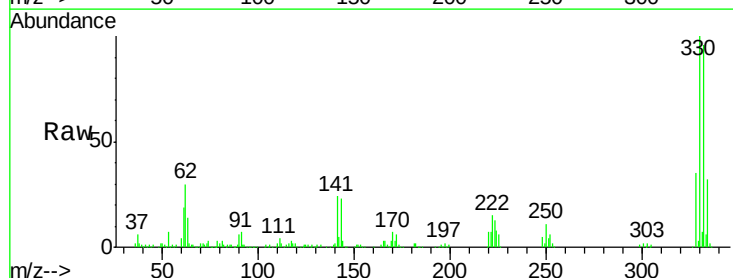
Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

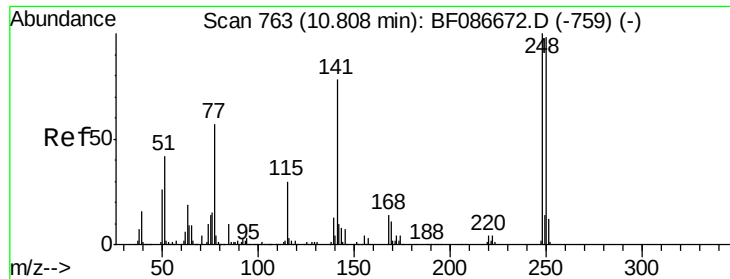
Tgt Ion:188 Resp: 347037
Ion Ratio Lower Upper
188 100
94 12.6 6.8 10.2#
80 14.2 7.1 10.7#



#64
4,6-Dinitro-2-methylphenol
Concen: 5.58 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.19 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion:198 Resp: 573
Ion Ratio Lower Upper
198 100
51 294.0 20.5 60.5#
105 231.5 24.5 64.5#

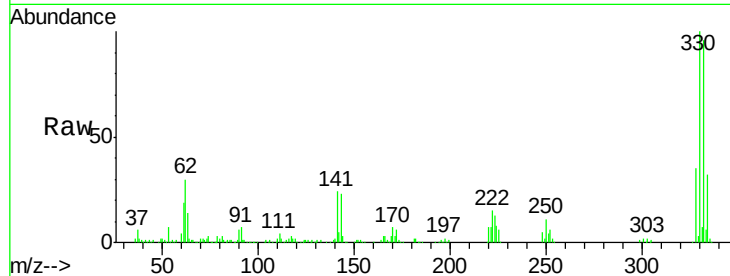




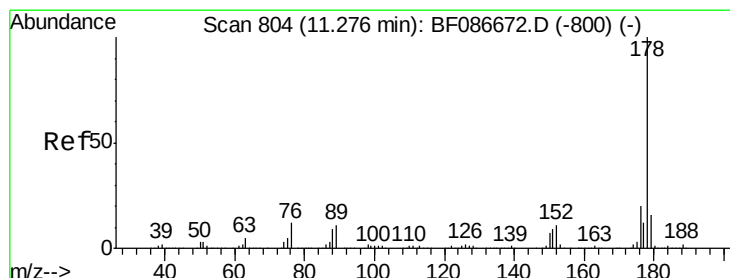
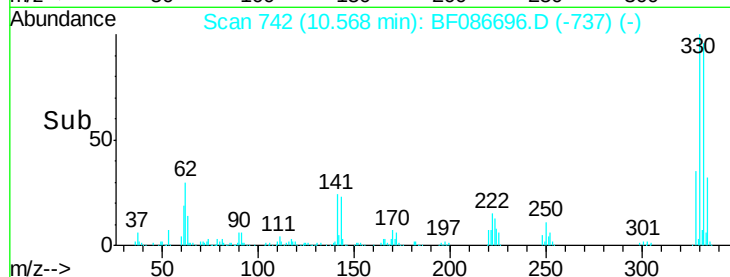
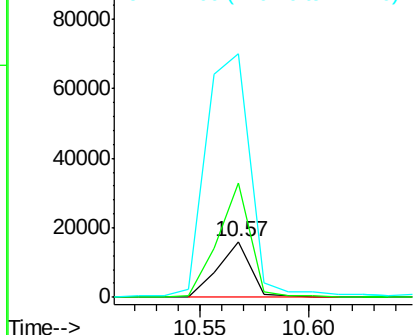
#66
4-Bromophenyl-phenylether
Concen: 4.81 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.24 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Instrument :
BNA_F
ClientSampleId :
26WARD-4-CS-3(16-23FTBGS)

Tgt Ion:248 Resp: 16599
Ion Ratio Lower Upper
248 100
250 204.3 78.6 117.8#
141 435.6 76.0 114.0#

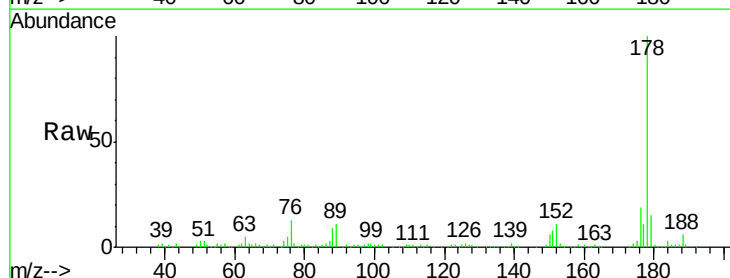


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

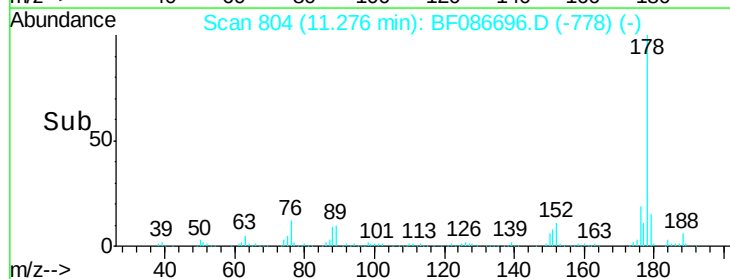
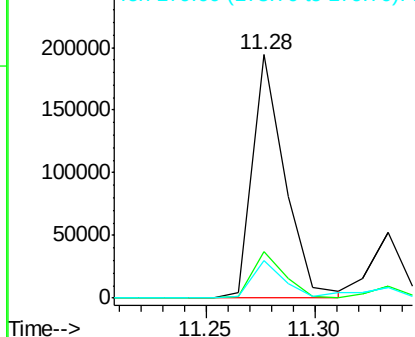


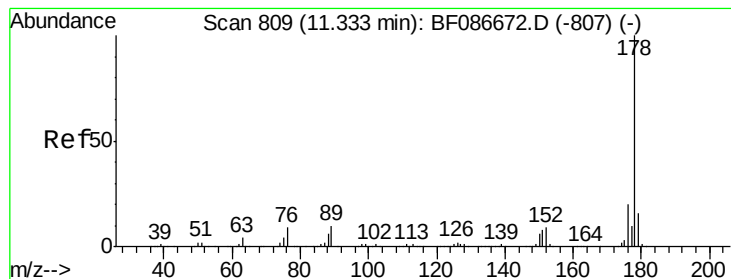
#70
Phenanthrene
Concen: 10.80 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF086696.D
Acq: 5 May 2016 00:28

Tgt Ion:178 Resp: 201395
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 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: 3.19 ng

RT: 11.33 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

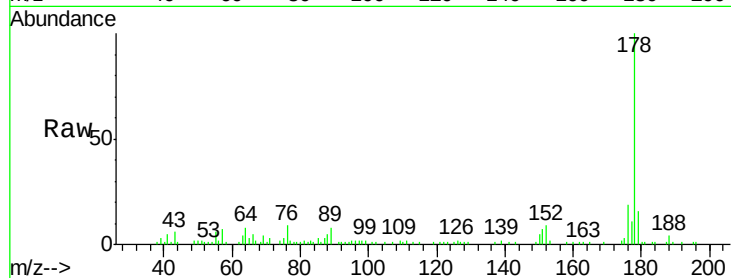
Tgt Ion:178 Resp: 62308

Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

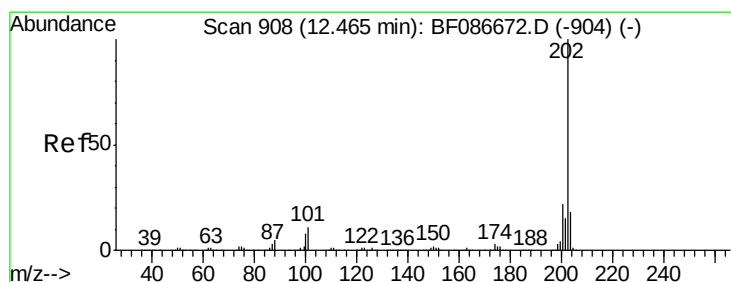
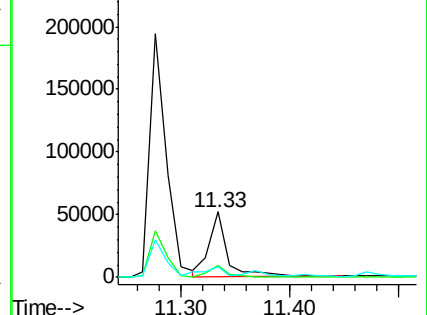
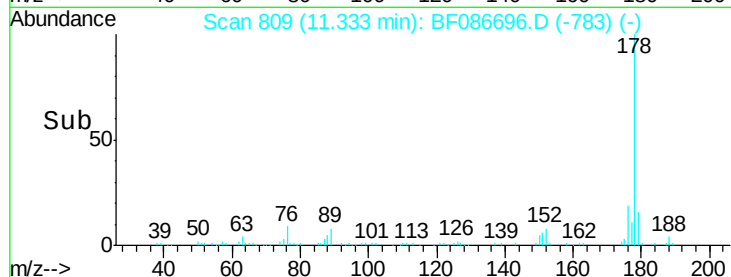
179 16.2 12.7 19.1



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: 10.80 ng

RT: 12.46 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

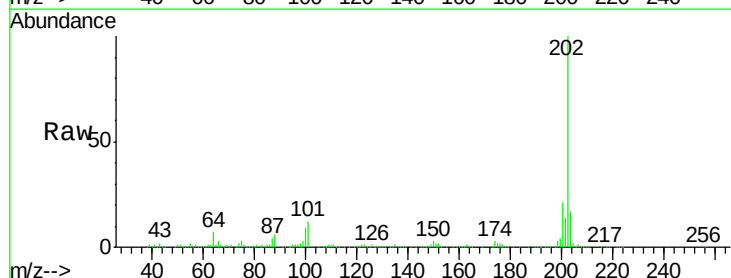
Tgt Ion:202 Resp: 201764

Ion Ratio Lower Upper

202 100

101 12.1 0.0 35.4

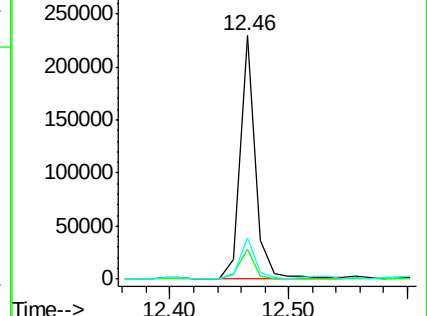
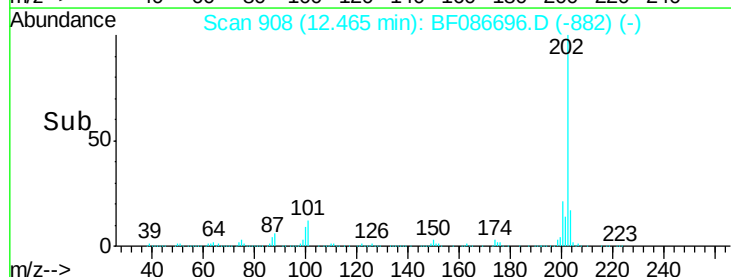
203 16.8 0.0 38.1

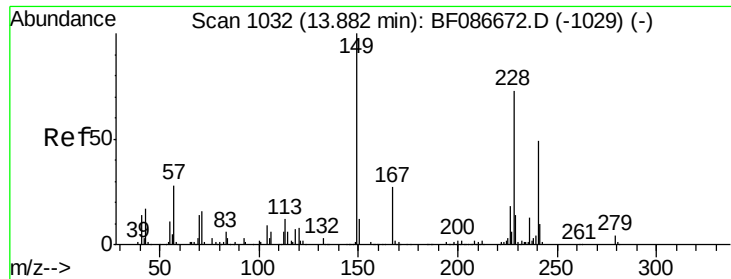


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

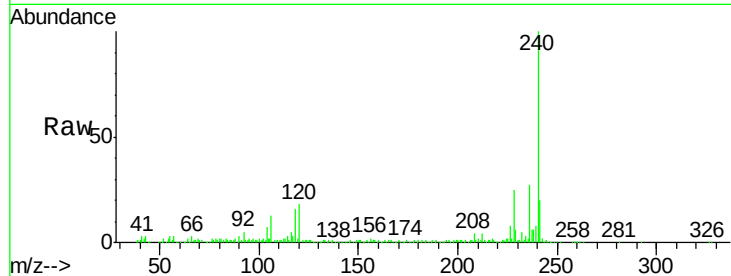
Tgt Ion:240 Resp: 340178

Ion Ratio Lower Upper

240 100

120 17.5 11.2 16.8#

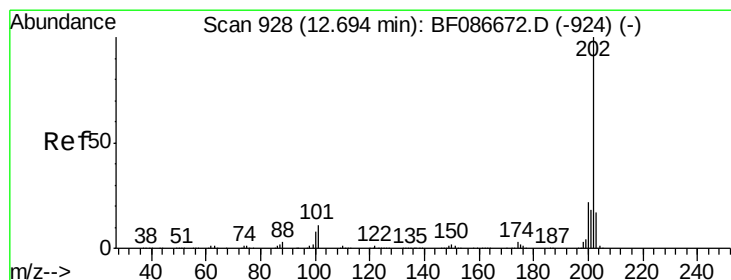
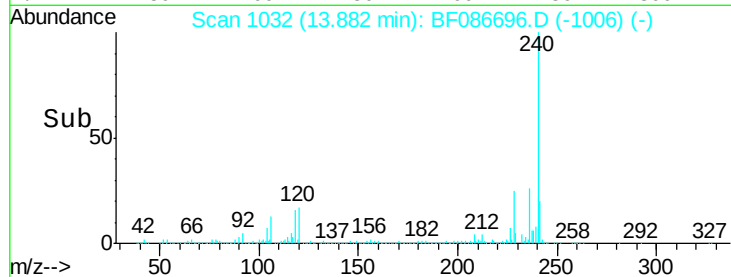
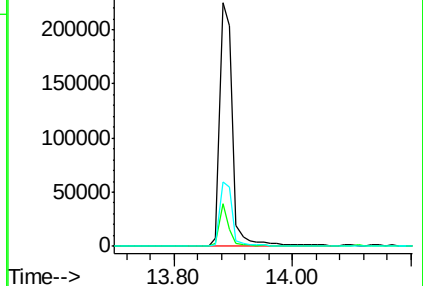
236 26.7 21.2 31.8



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



#77

Pyrene

Concen: 6.64 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

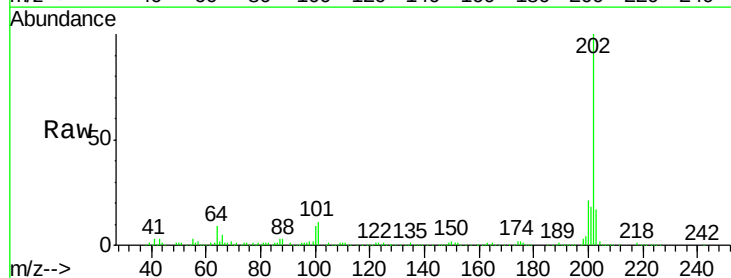
Tgt Ion:202 Resp: 180144

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

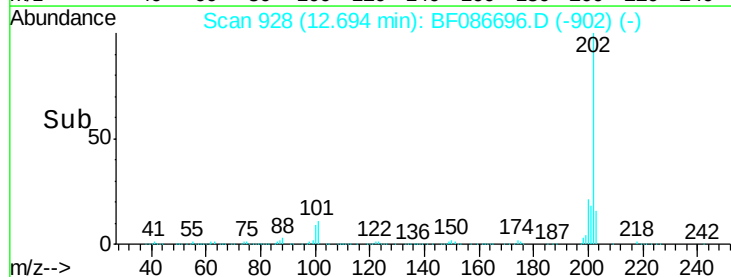
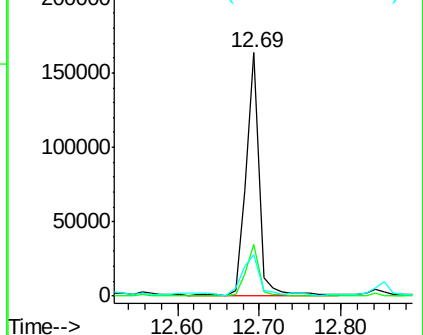
203 17.0 14.2 21.4

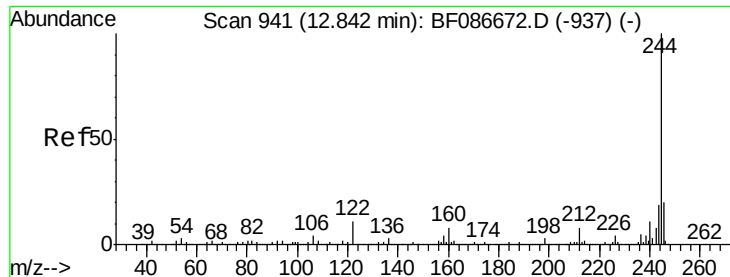


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 50.41 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

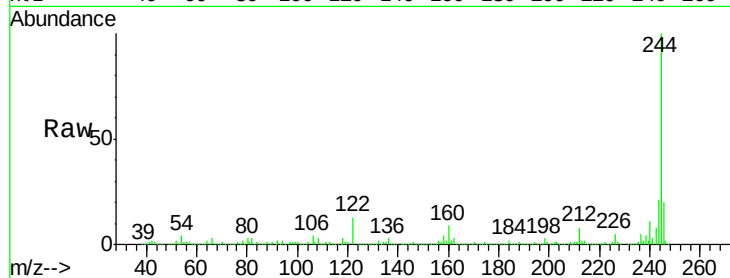
Tgt Ion:244 Resp: 848475

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

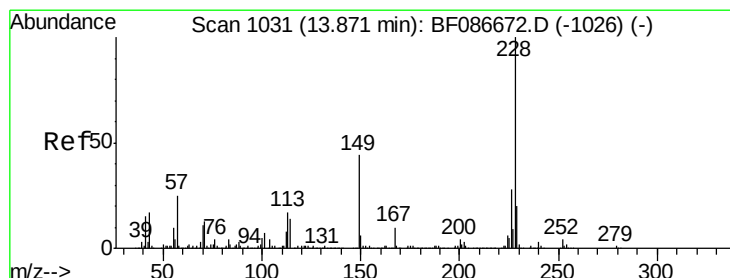
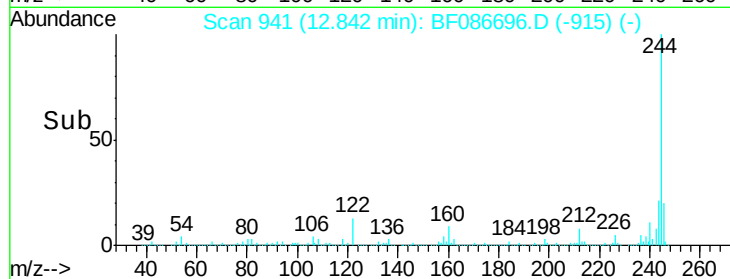
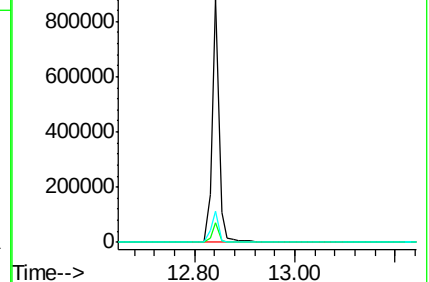
122 13.0 12.0 18.0



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: 4.62 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

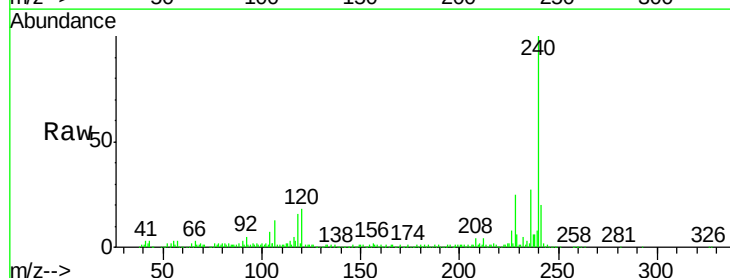
Tgt Ion:228 Resp: 88810

Ion Ratio Lower Upper

228 100

226 30.5 22.5 33.7

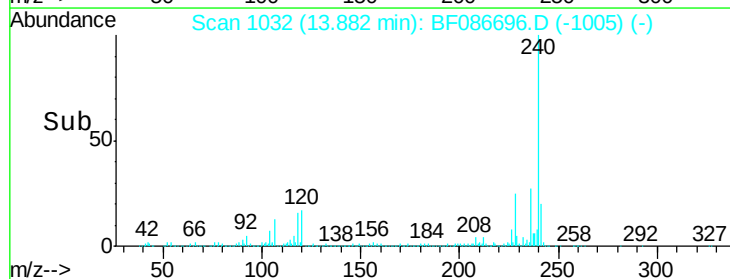
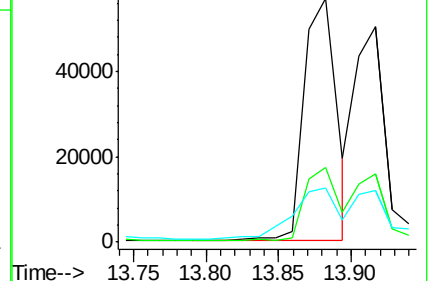
229 22.2 16.6 25.0

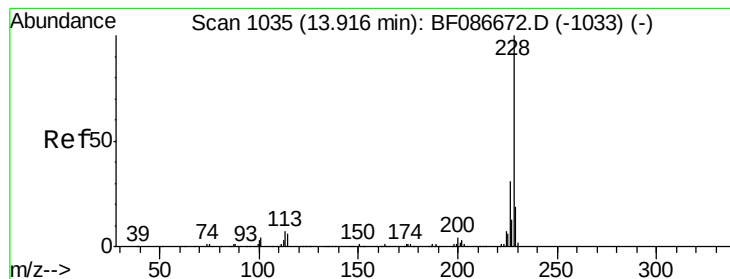


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.33 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

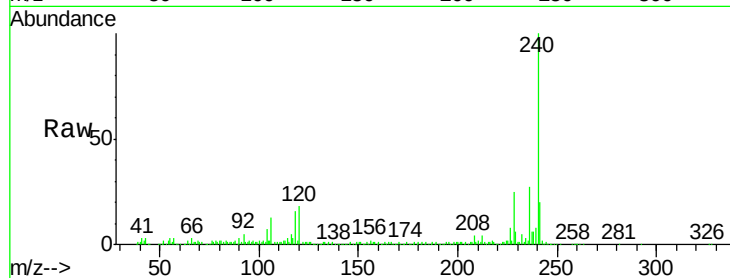
Tgt Ion:228 Resp: 88810

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.2	15.8	23.8

228 100

226 30.5 24.4 36.6

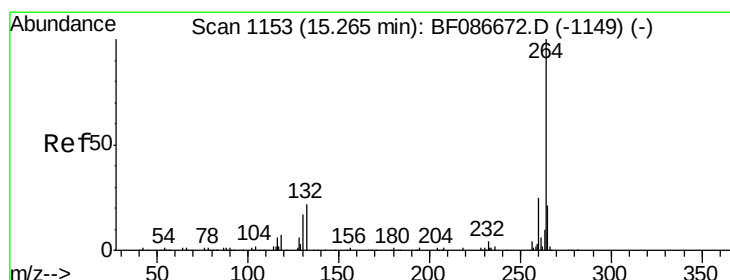
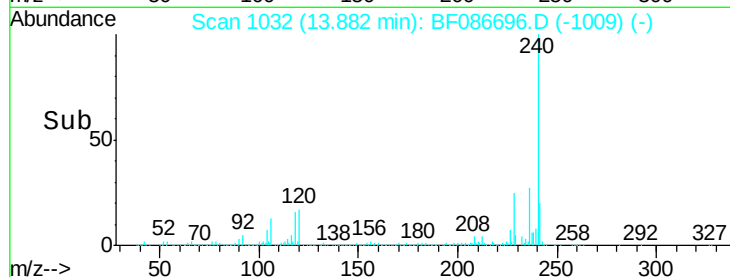
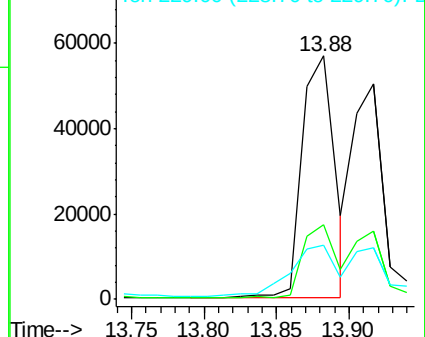
229 22.2 15.8 23.8



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



#86

Perylene-d12

Concen: 40.00 ng

RT: 15.28 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

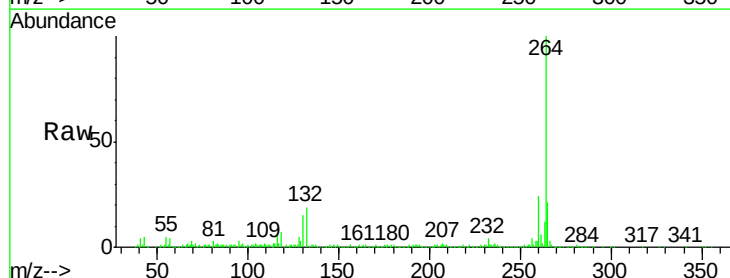
Tgt Ion:264 Resp: 253997

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	21.0	17.3	25.9

264 100

260 24.4 19.5 29.3

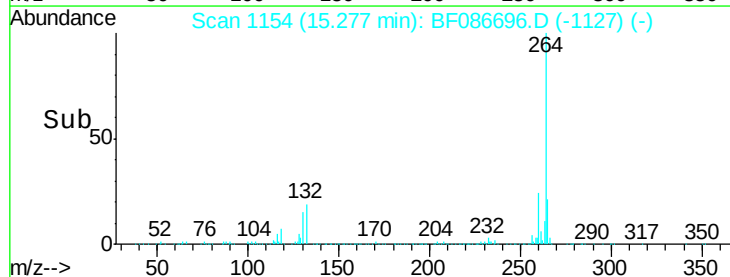
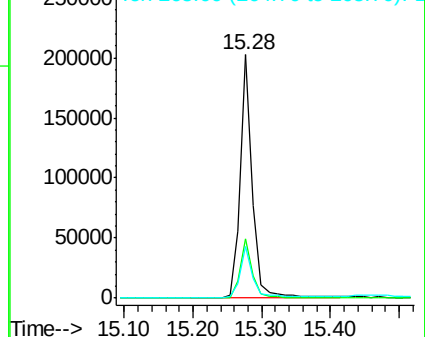
265 21.0 17.3 25.9

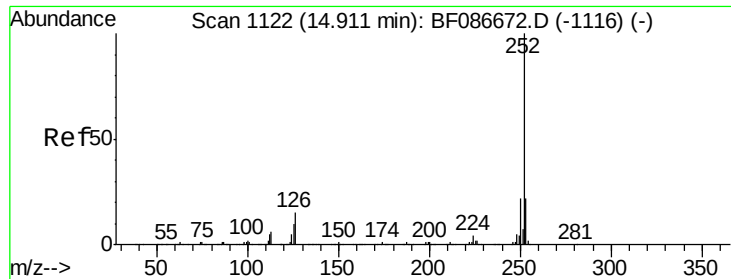


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 6.37 ng

RT: 14.89 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)

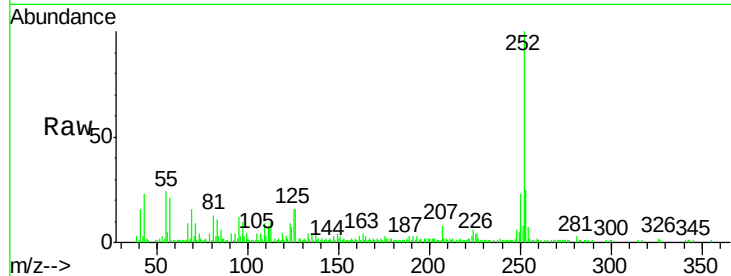
Tgt Ion:252 Resp: 97159

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.6

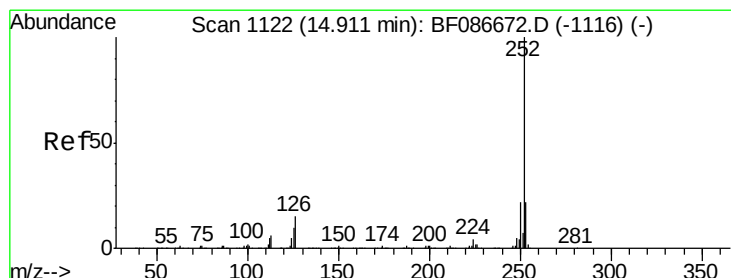
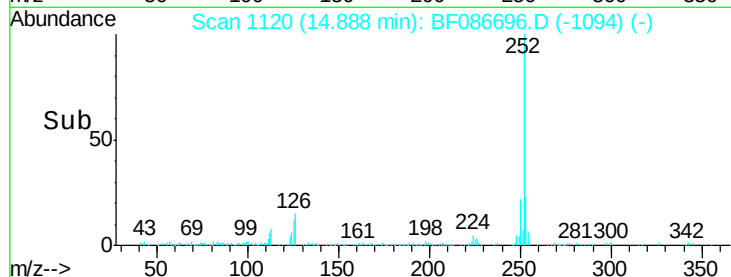
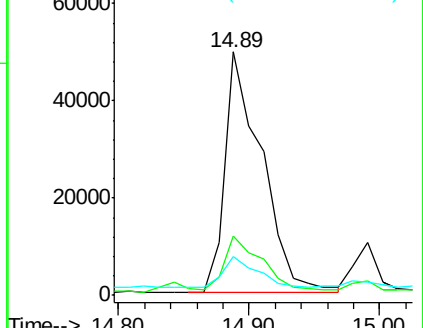
125 16.1 11.4 17.0



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: 6.76 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BF086696.D

Acq: 5 May 2016 00:28

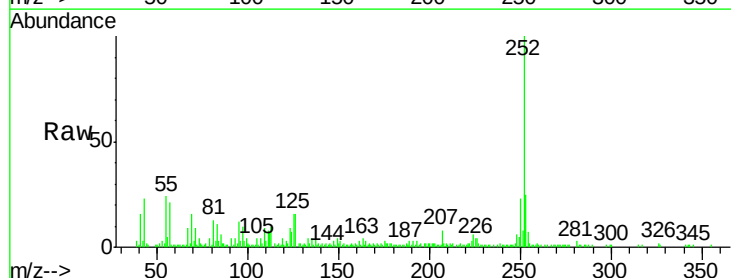
Tgt Ion:252 Resp: 97159

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.6

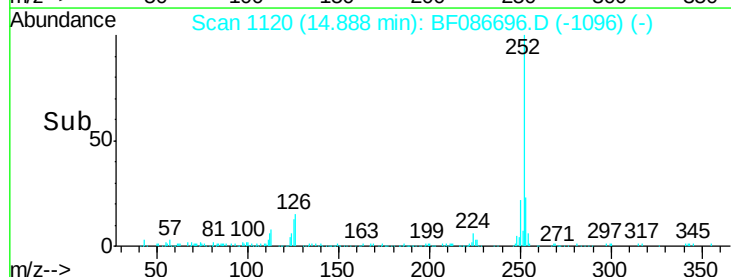
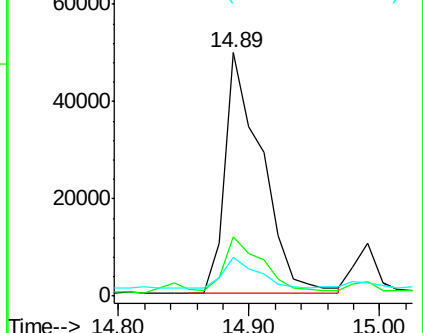
125 16.1 9.1 13.7#

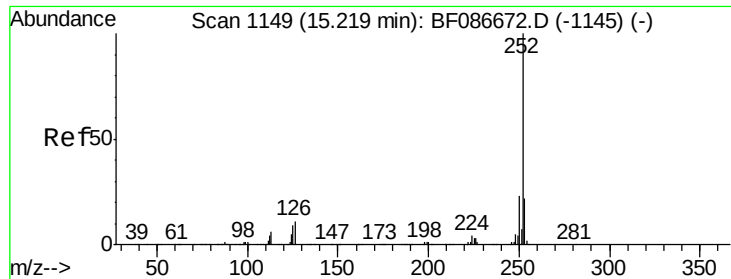


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.39 ng

RT: 15.22 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF086696.D

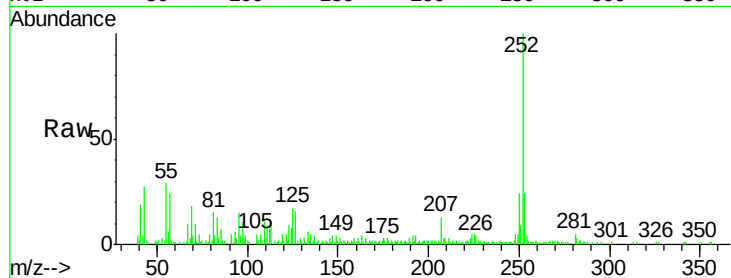
Acq: 5 May 2016 00:28

Instrument :

BNA_F

ClientSampleId :

26WARD-4-CS-3(16-23FTBGS)



Tgt Ion:	252	Resp:	47650
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	16.5	9.0	13.6

