

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086687.D
 Acq On : 4 May 2016 20:11
 Operator : UM/SJ
 Sample : H2715-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-8(12-25FTBGS)

Quant Time: May 05 01:36:46 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	161471	40.00	ng	0.00
21) Naphthalene-d8	8.02	136	599643	40.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	267185	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	431075	40.00	ng	0.00
75) Chrysene-d12	13.88	240	346300	40.00	ng	0.00
86) Perylene-d12	15.28	264	270100	40.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1294930	132.76	ng	0.01
7) Phenol-d6	6.38	99	1567511	119.31	ng	0.01
23) Nitrobenzene-d5	7.31	82	1238837	106.16	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	361691	138.38	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1610147	98.79	ng	0.00
78) Terphenyl-d14	12.84	244	1105397	64.51	ng	0.00

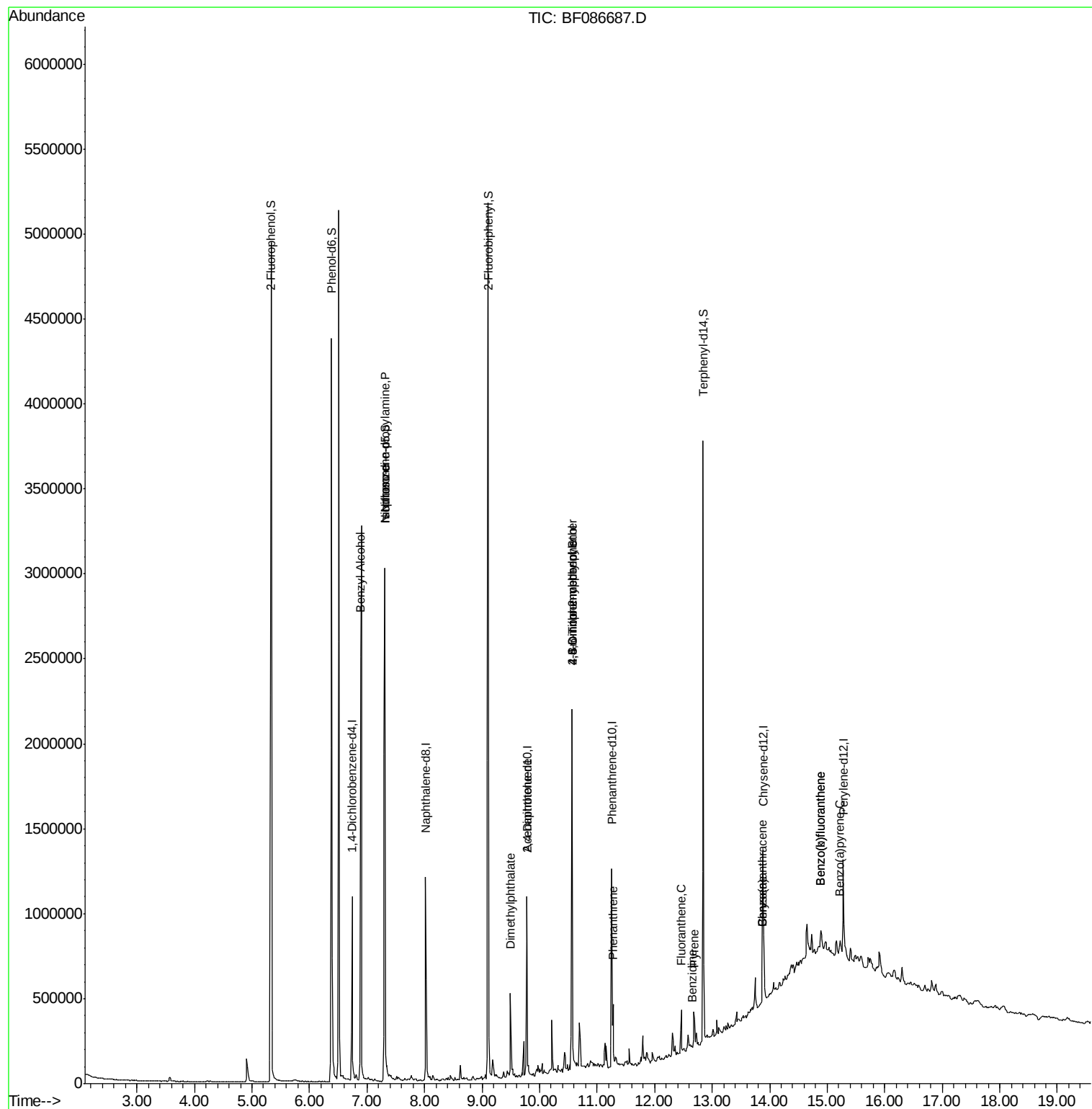
Target Compounds						Qvalue
15) Benzyl Alcohol	6.89	79	21328	2.51	ng	# 41
19) n-Nitroso-di-n-propylamine	7.31	70	172659	19.23	ng	# 79
25) Isophorone	7.31	82	1144487	52.67	ng	# 68
49) Dimethylphthalate	9.49	163	207950	10.44	ng	99
56) 2,4-Dinitrotoluene	9.78	165	35084	6.62	ng	# 17
64) 4,6-Dinitro-2-methylphenol	10.57	198	933	5.70	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	22390	5.23	ng	# 1
70) Phenanthrene	11.28	178	123864	5.35	ng	99
74) Fluoranthene	12.46	202	122502	5.28	ng	94
76) Benzidine	12.66	184	2189	7.29	ng	# 1
77) Pyrene	12.68	202	116141	4.21	ng	96
80) Benzo(a)anthracene	13.87	228	53927	2.75	ng	# 89
82) Chrysene	13.87	228	54262	2.60	ng	# 91
87) Benzo(b)fluoranthene	14.89	252	68606	4.23	ng	# 80
88) Benzo(k)fluoranthene	14.89	252	68606	4.49	ng	# 77
89) Benzo(a)pyrene	15.22	252	31909	2.13	ng	# 75

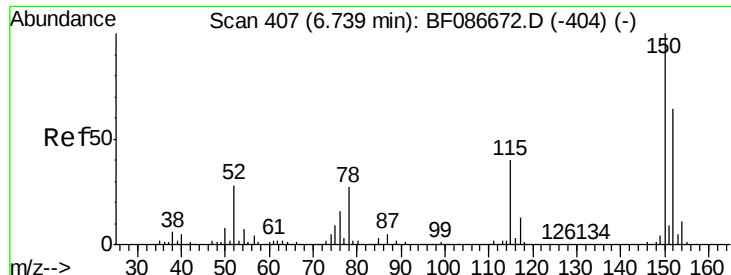
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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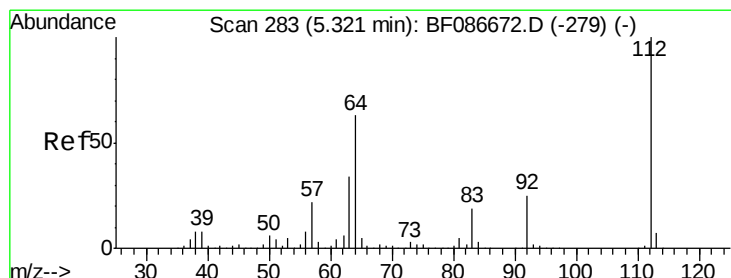
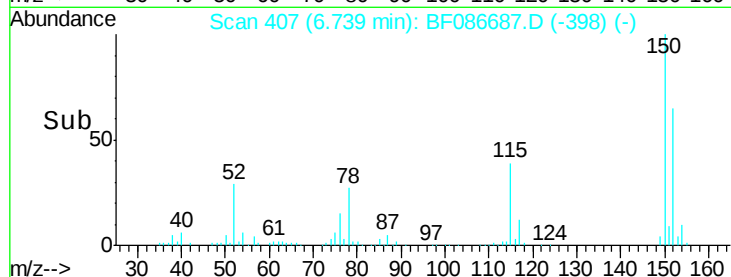
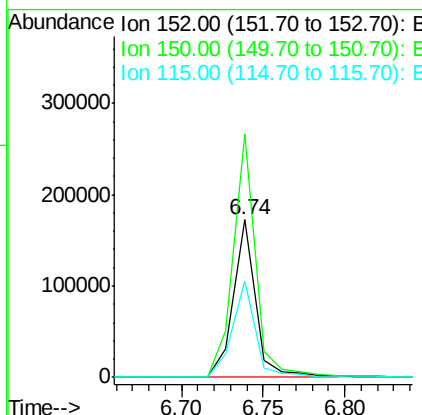
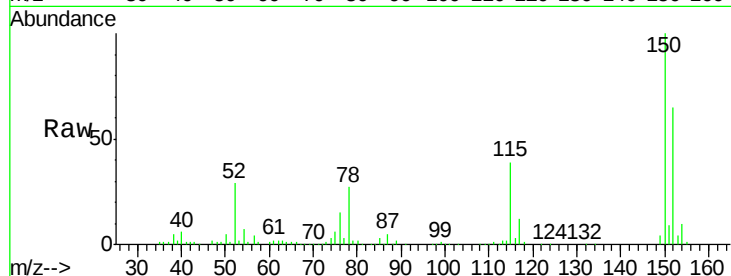




#1
 1,4-Dichlorobenzene-d4
 Concen: 40.00 ng
 RT: 6.74 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BF086687.D
 Acq: 4 May 2016 20:11

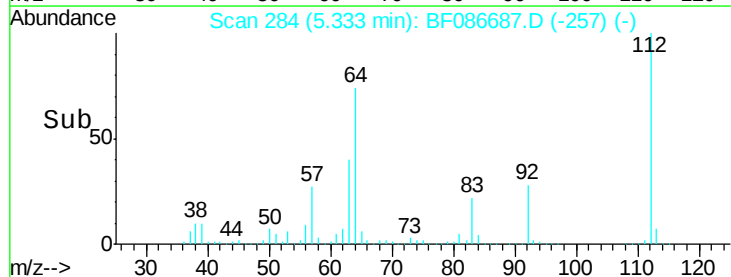
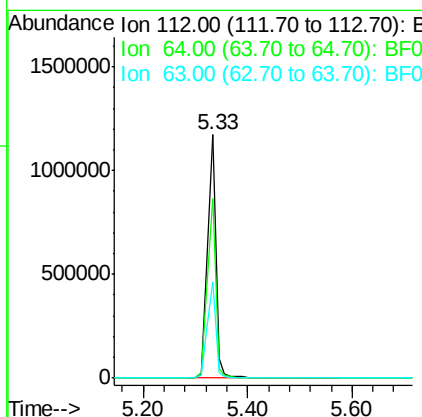
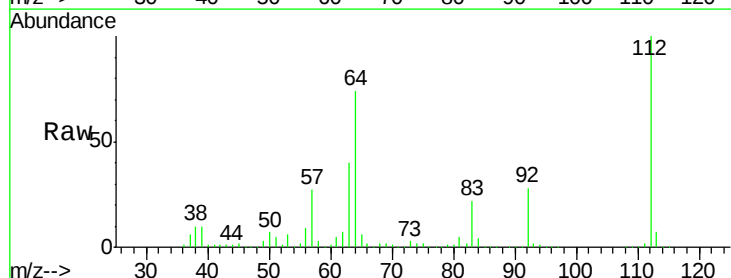
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-8(12-25FTBGS)

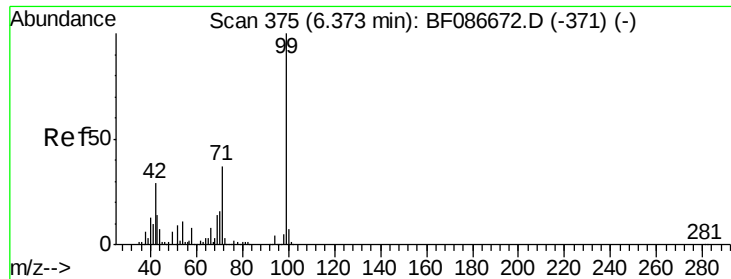
Tgt Ion:152 Resp: 161471
 Ion Ratio Lower Upper
 152 100
 150 154.6 125.8 188.6
 115 60.9 51.5 77.3



#5
 2-Fluorophenol
 Concen: 132.76 ng
 RT: 5.33 min Scan# 284
 Delta R.T. 0.01 min
 Lab File: BF086687.D
 Acq: 4 May 2016 20:11

Tgt Ion:112 Resp: 1294930
 Ion Ratio Lower Upper
 112 100
 64 73.9 52.1 78.1
 63 39.8 25.7 38.5#





#7

Phenol-d6

Concen: 119.31 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

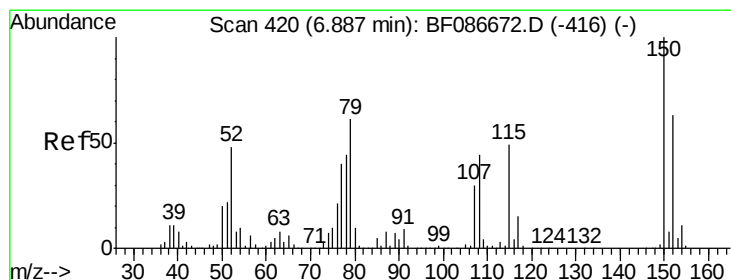
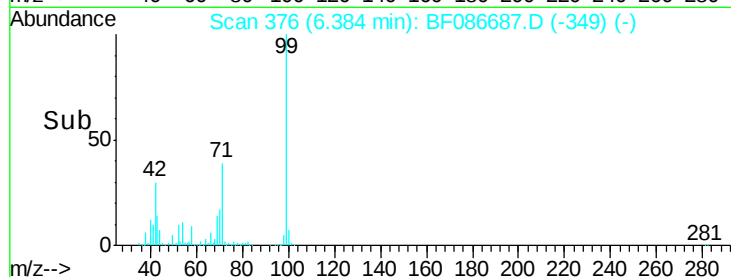
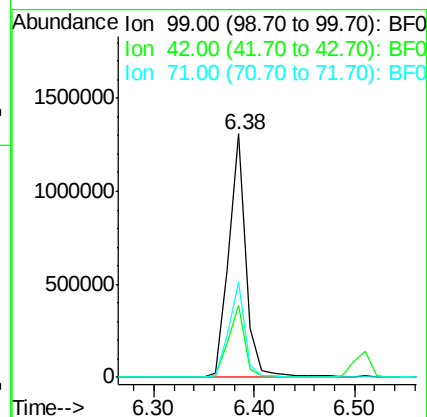
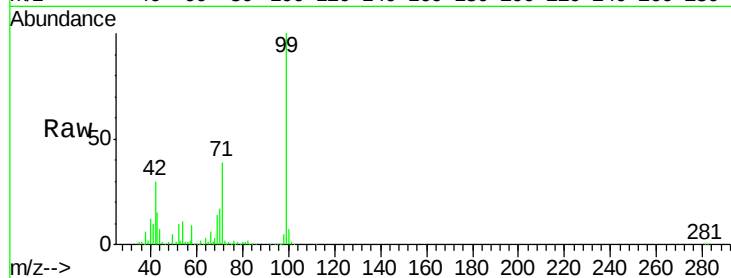
Tgt Ion: 99 Resp: 1567511

Ion Ratio Lower Upper

99 100

42 29.8 13.6 20.4#

71 38.9 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.51 ng

RT: 6.89 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

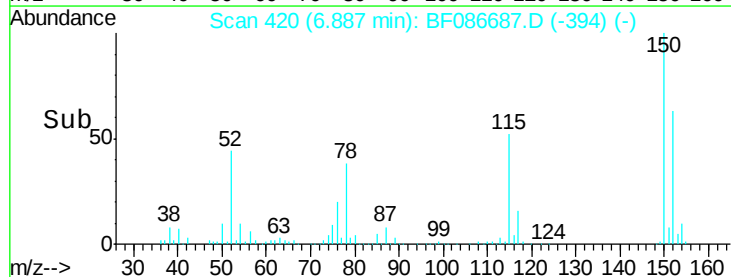
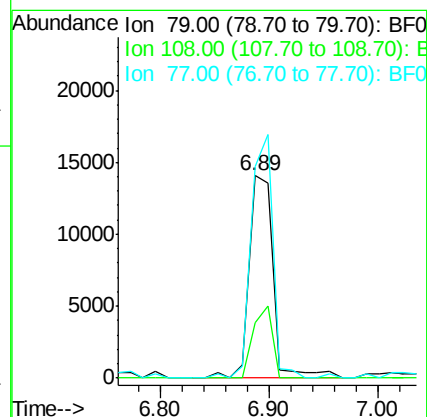
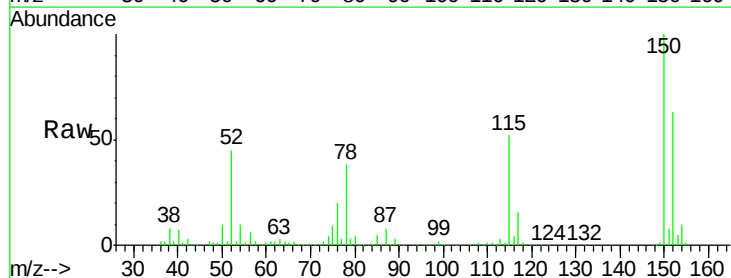
Tgt Ion: 79 Resp: 21328

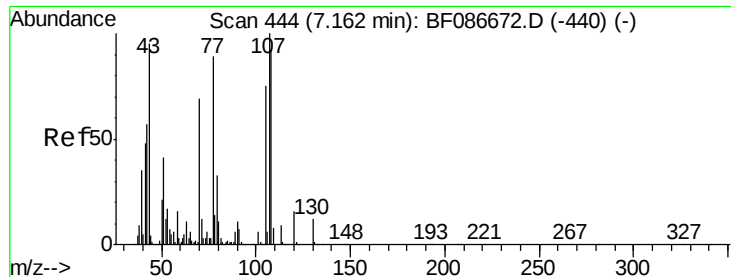
Ion Ratio Lower Upper

79 100

108 27.4 68.4 102.6#

77 104.2 50.6 76.0#





#19

n-Nitroso-di-n-propylamine

Concen: 19.23 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.15 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

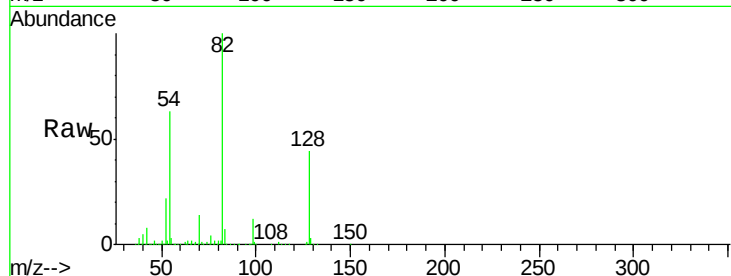
ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

Tgt Ion: 70 Resp: 172659

Ion Ratio Lower Upper

70	100		
42	61.0	43.1	64.7
101	0.0	8.1	12.1#
130	2.1	18.6	28.0#



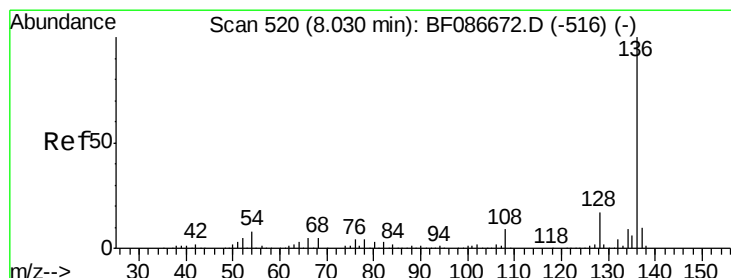
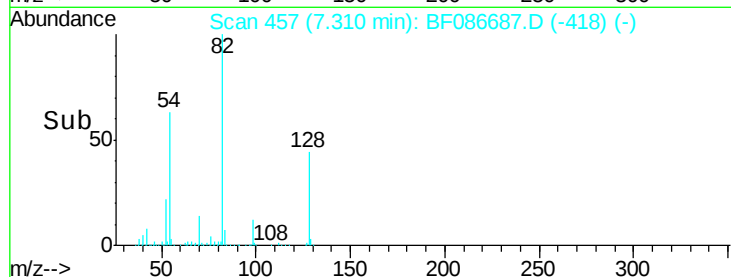
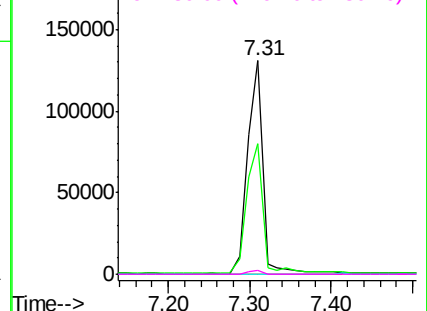
Abundance

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



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.01 min

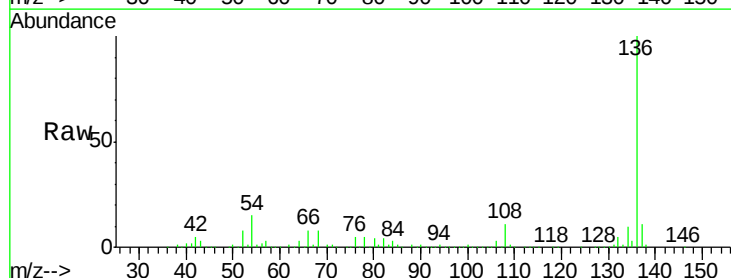
Lab File: BF086687.D

Acq: 4 May 2016 20:11

Tgt Ion: 136 Resp: 599643

Ion Ratio Lower Upper

136	100		
137	11.3	8.8	13.2
54	14.9	5.0	7.4#
68	8.0	4.4	6.6#



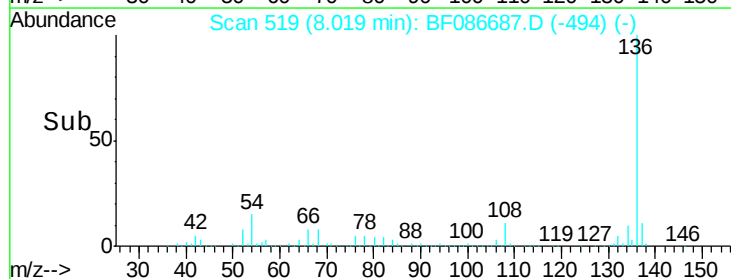
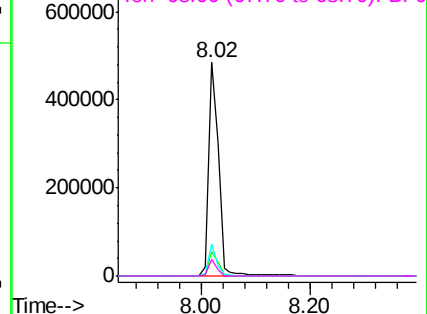
Abundance

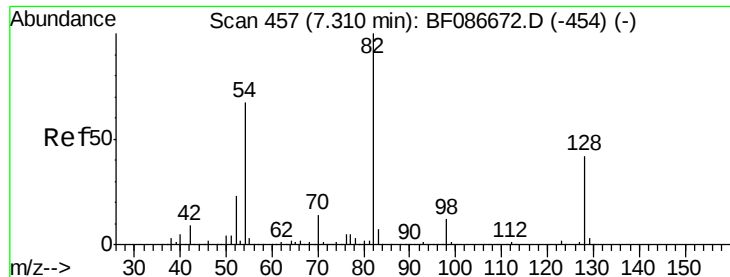
Ion 136.00 (135.70 to 136.70): E

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

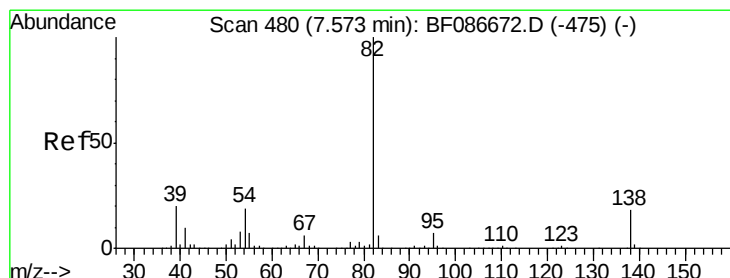
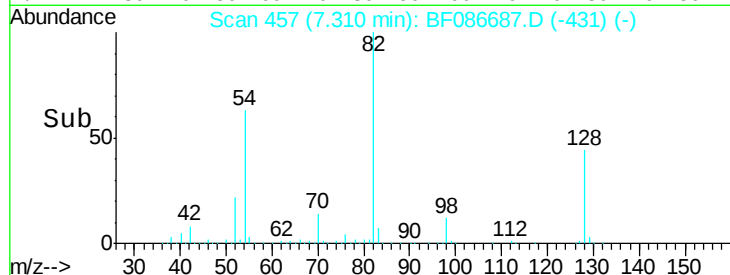
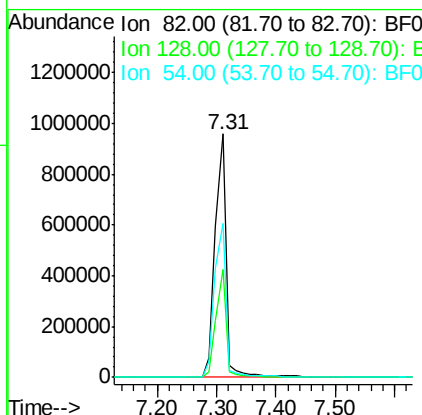
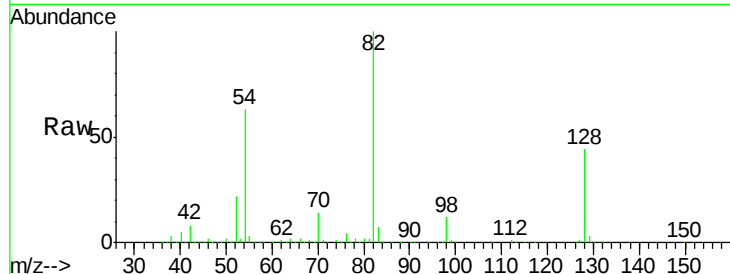




#23
 Nitrobenzene-d5
 Concen: 106.16 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086687.D
 Acq: 4 May 2016 20:11

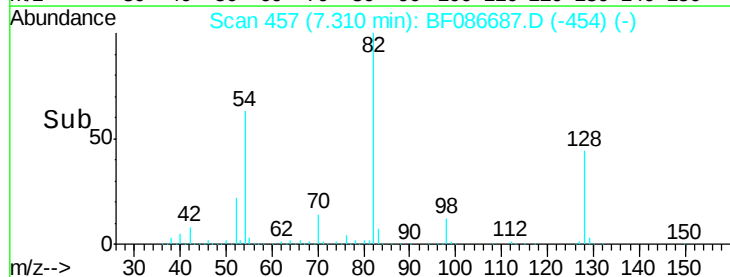
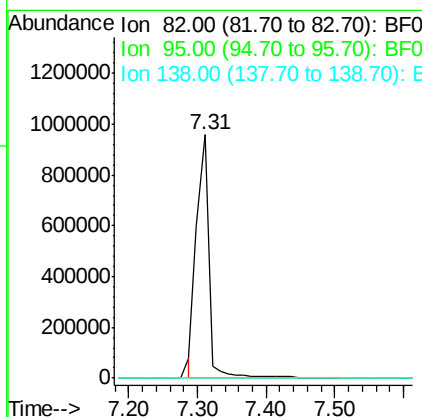
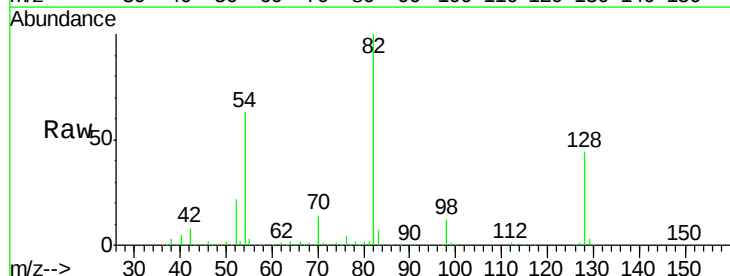
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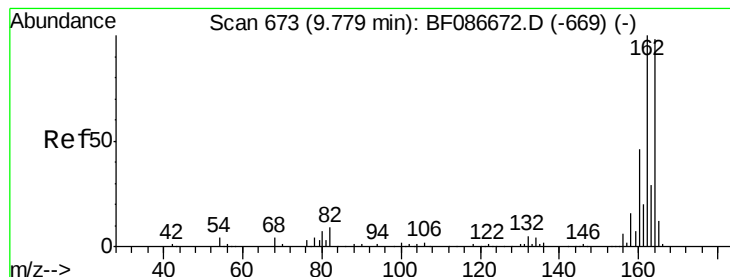
Tgt Ion: 82 Resp: 1238837
 Ion Ratio Lower Upper
 82 100
 128 44.4 40.6 61.0
 54 63.4 38.1 57.1#



#25
 Isophorone
 Concen: 52.67 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.26 min
 Lab File: BF086687.D
 Acq: 4 May 2016 20:11

Tgt Ion: 82 Resp: 1144487
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

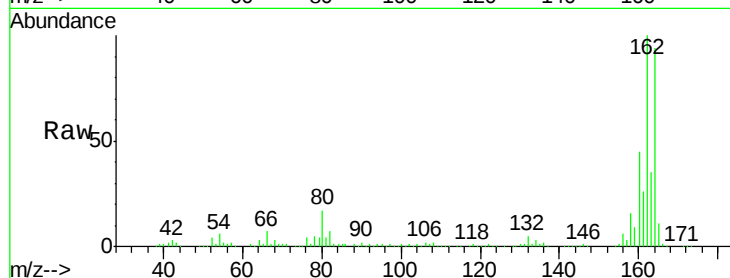
Tgt Ion:164 Resp: 267185

Ion Ratio Lower Upper

164 100

162 105.9 82.8 124.2

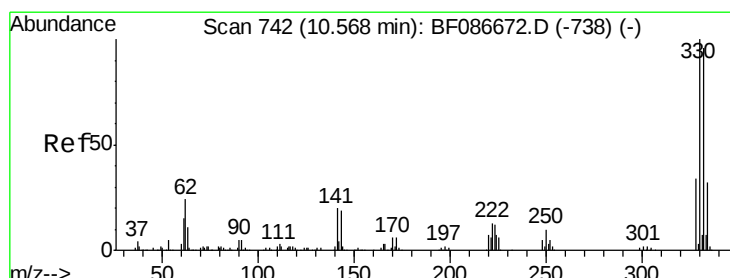
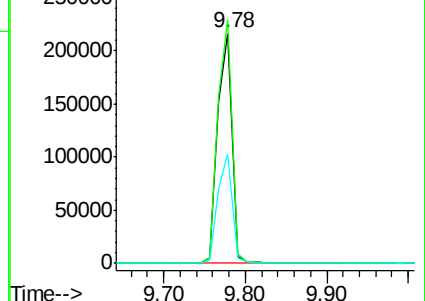
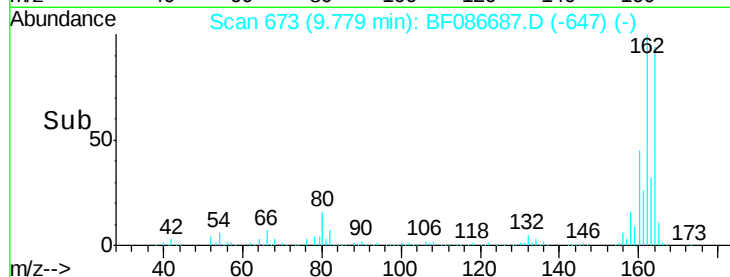
160 47.4 36.9 55.3



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: 138.38 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

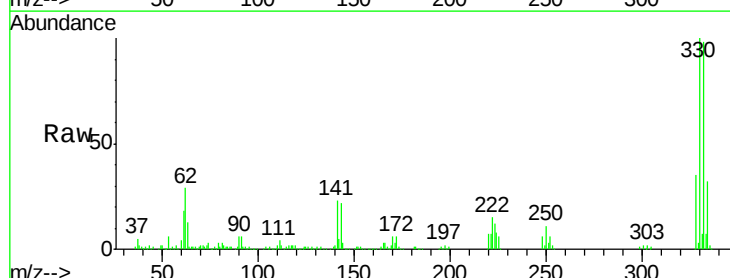
Tgt Ion:330 Resp: 361691

Ion Ratio Lower Upper

330 100

332 97.2 79.0 118.4

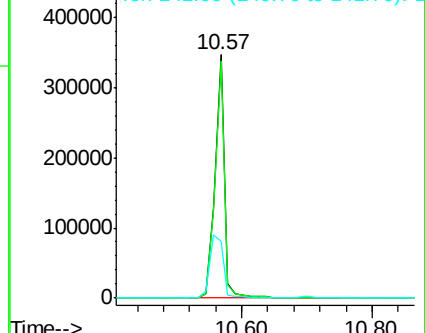
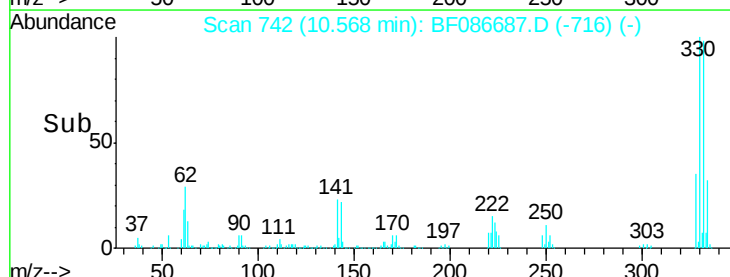
141 36.1 31.2 46.8

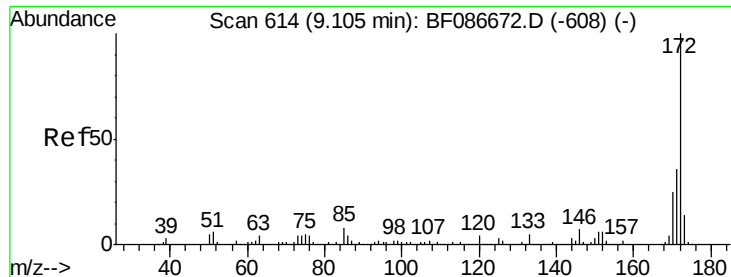


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

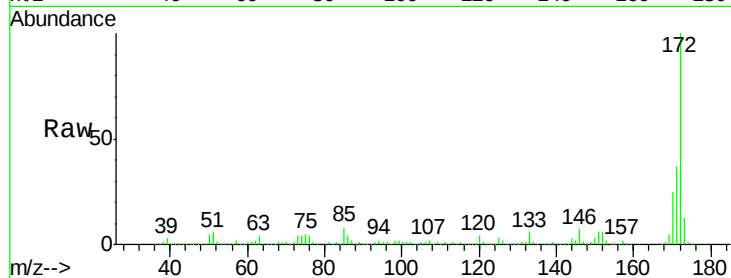




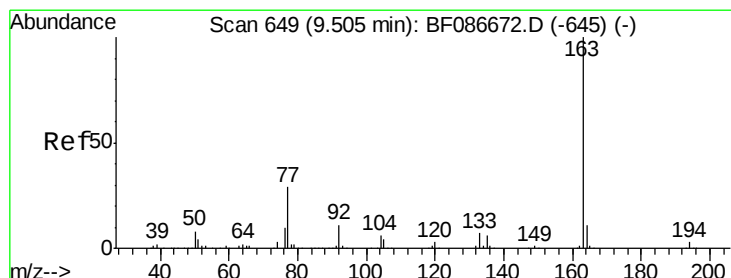
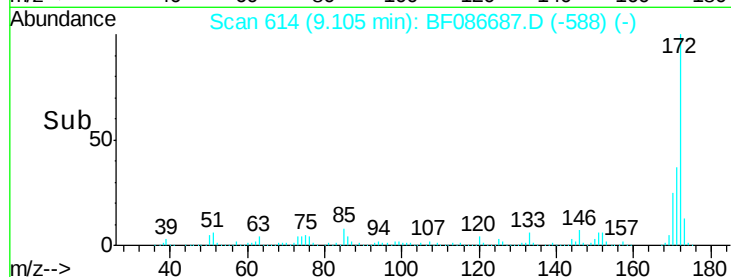
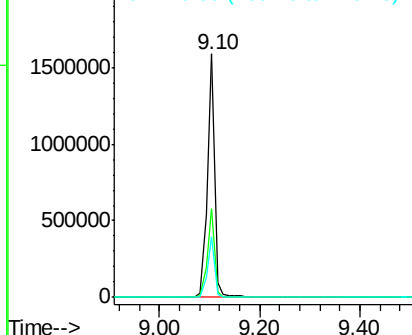
#44
 2-Fluorobiphenyl
 Concen: 98.79 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086687.D
 Acq: 4 May 2016 20:11

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Tgt Ion:172 Resp: 1610147
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.0 43.6
 170 25.1 19.8 29.8

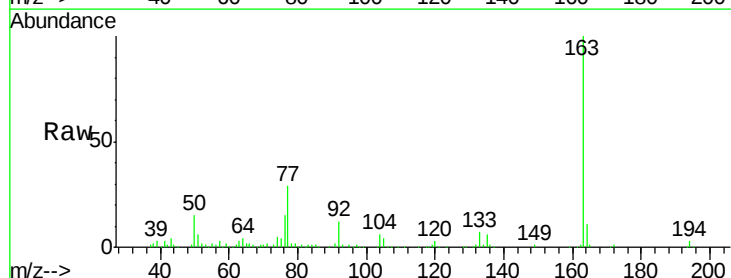


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

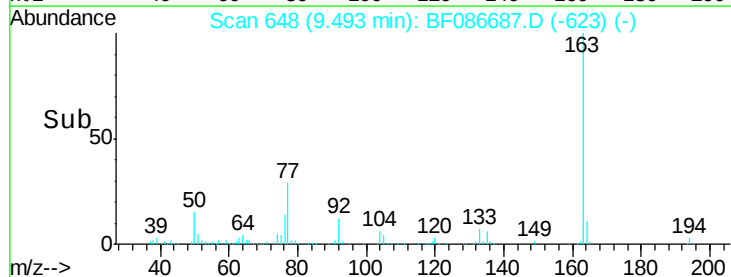
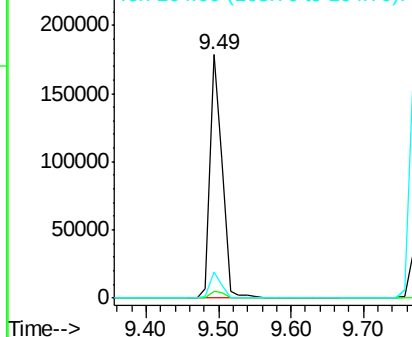


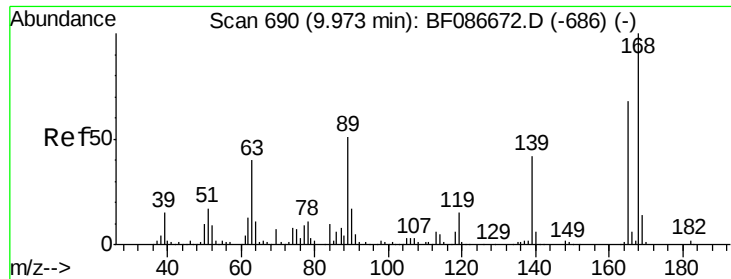
#49
 Dimethylphthalate
 Concen: 10.44 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086687.D
 Acq: 4 May 2016 20:11

Tgt Ion:163 Resp: 207950
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 4.0
 164 10.7 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

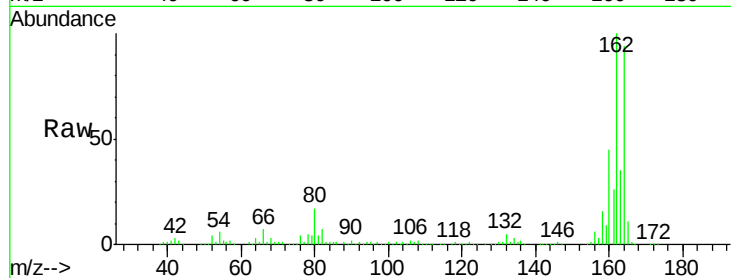




#56
 2,4-Dinitrotoluene
 Concen: 6.62 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.19 min
 Lab File: BF086687.D
 Acq: 4 May 2016 20:11

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-8(12-25FTBGS)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.3	66.5#
89	2.5	70.0	105.0#
182	0.0	1.8	2.6#

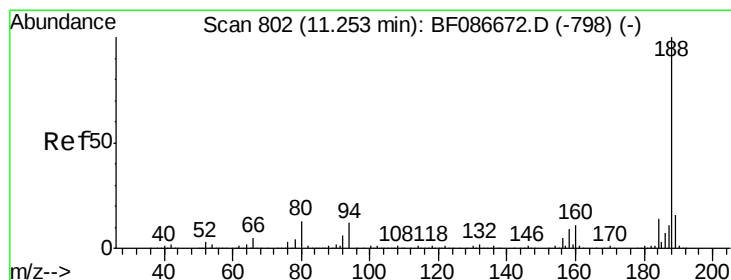
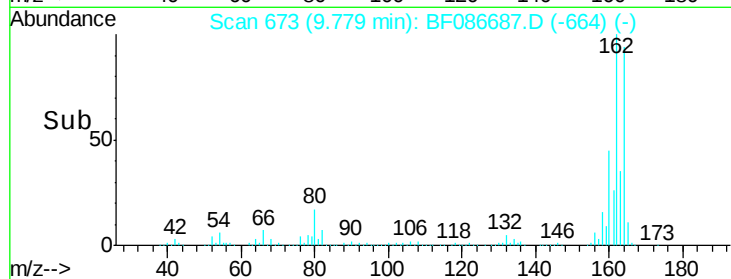
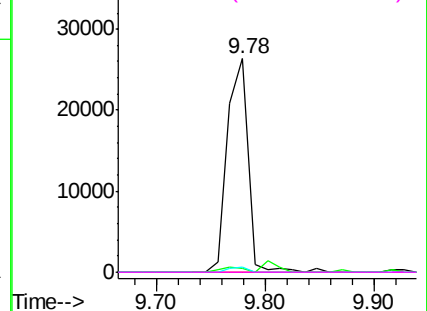


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

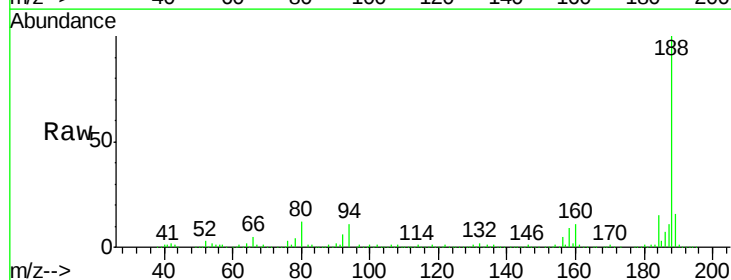
Ion 89.00 (88.70 to 89.70): BF0

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: BF086687.D
 Acq: 4 May 2016 20:11

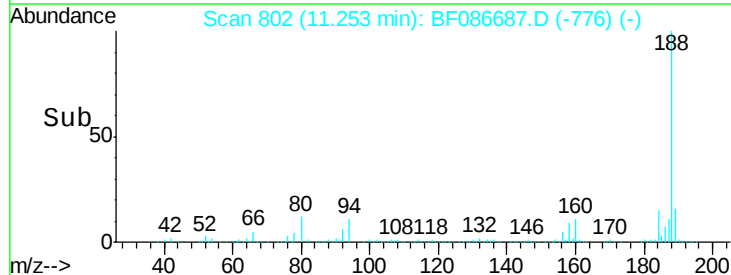
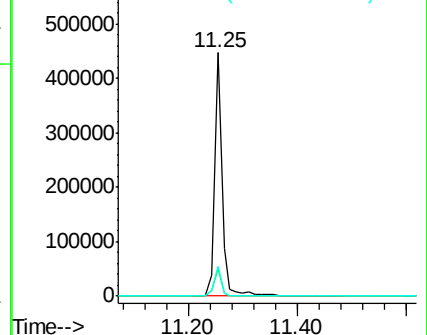
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	6.8	10.2#
80	12.4	7.1	10.7#

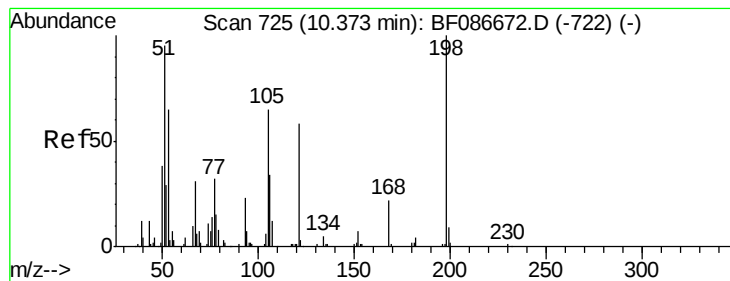


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.70 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.19 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

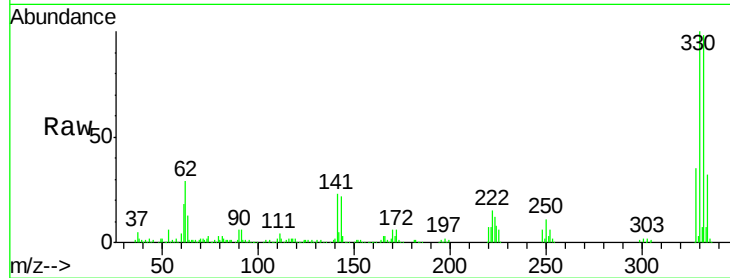
Tgt Ion:198 Resp: 933

Ion Ratio Lower Upper

198 100

51 189.3 20.5 60.5#

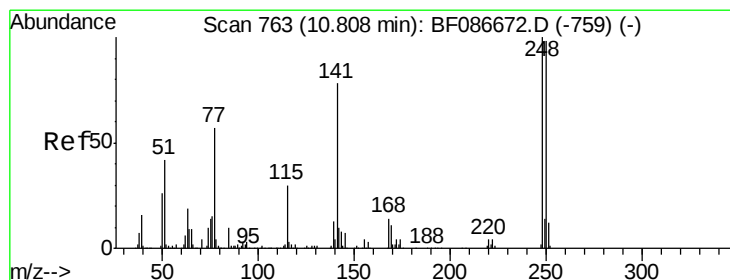
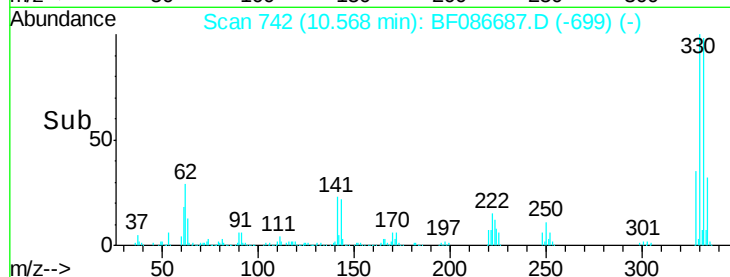
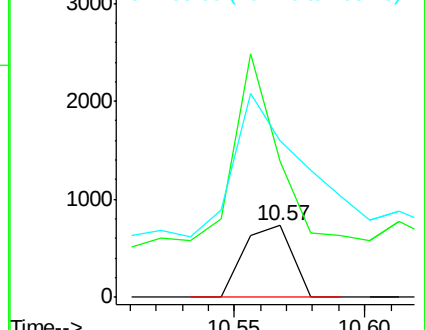
105 218.3 24.5 64.5#



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: 5.23 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.24 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

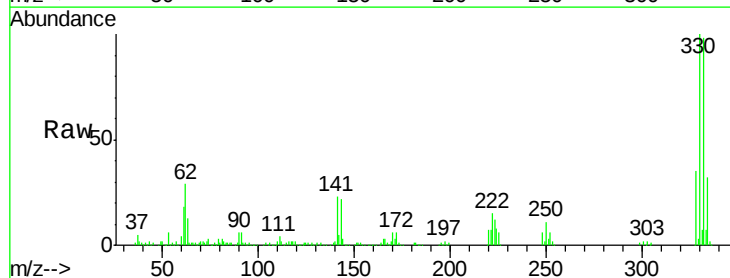
Tgt Ion:248 Resp: 22390

Ion Ratio Lower Upper

248 100

250 193.1 78.6 117.8#

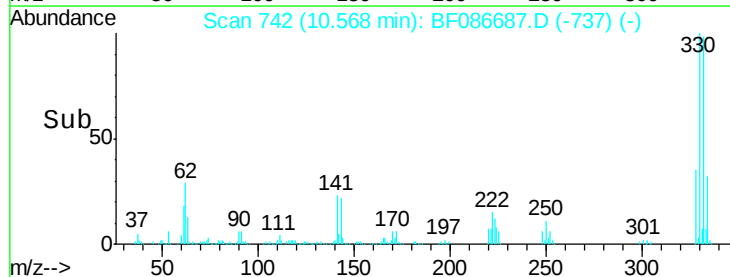
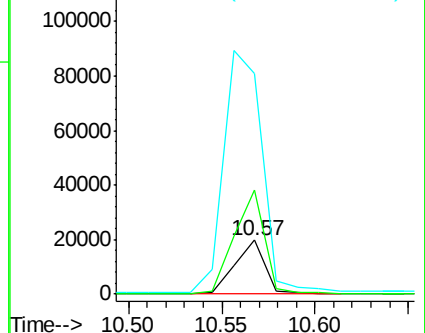
141 409.2 76.0 114.0#

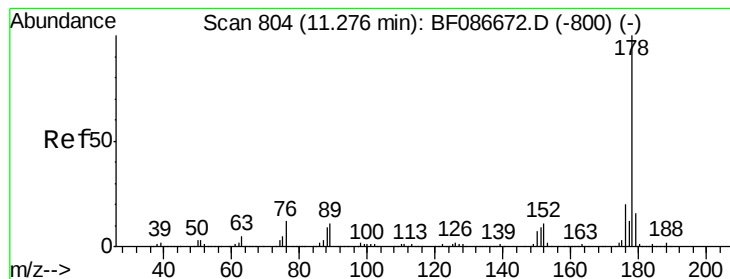


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.35 ng

RT: 11.28 min Scan# 804

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

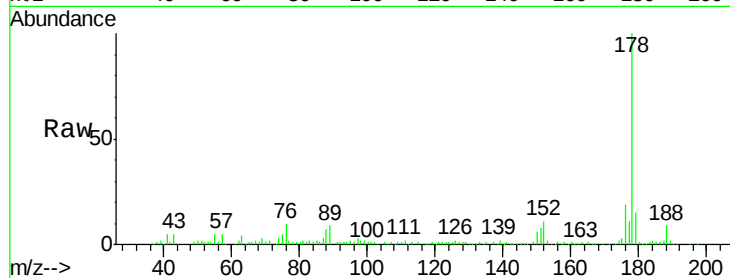
Tgt Ion:178 Resp: 123864

Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

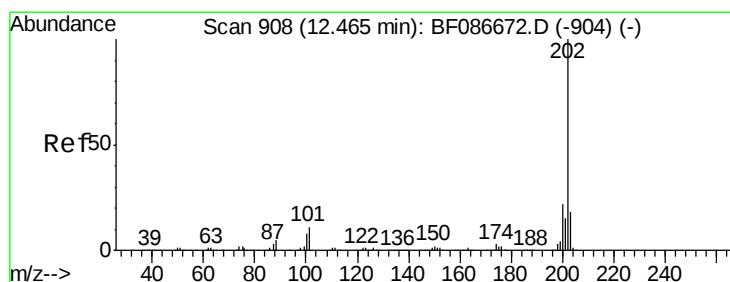
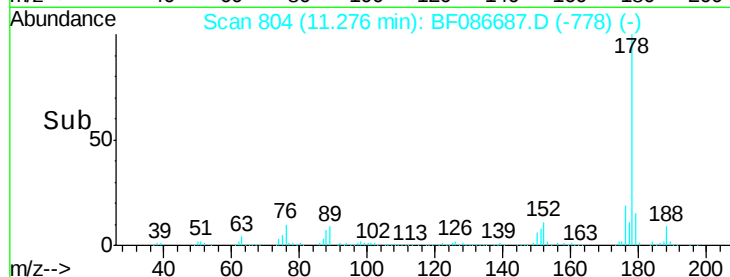
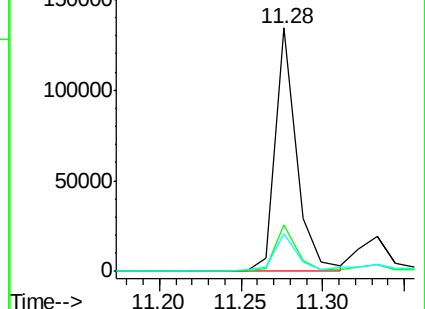
179 15.4 12.6 18.8



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



#74

Fluoranthene

Concen: 5.28 ng

RT: 12.46 min Scan# 908

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

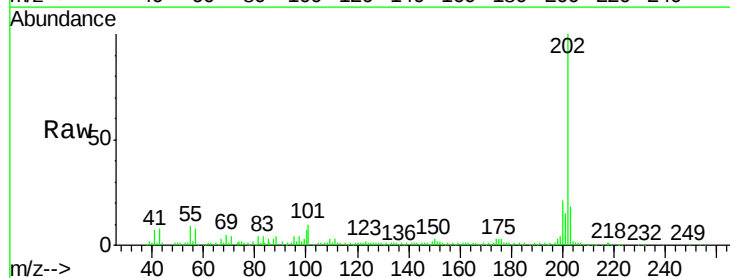
Tgt Ion:202 Resp: 122502

Ion Ratio Lower Upper

202 100

101 9.6 0.0 35.4

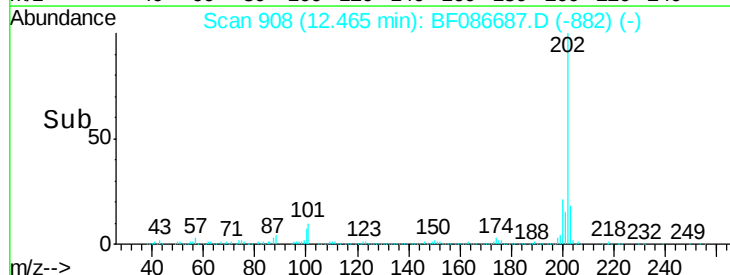
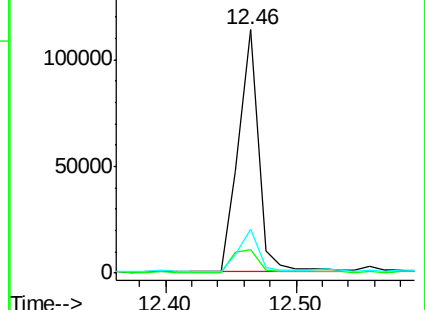
203 18.1 0.0 38.1

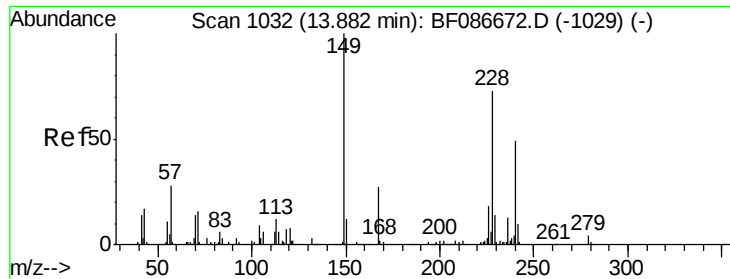


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

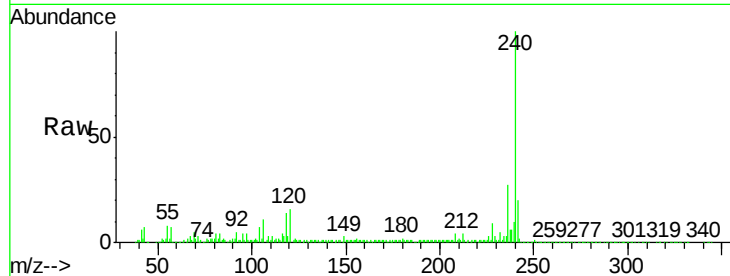
Tgt Ion:240 Resp: 346300

Ion Ratio Lower Upper

240 100

120 15.9 11.2 16.8

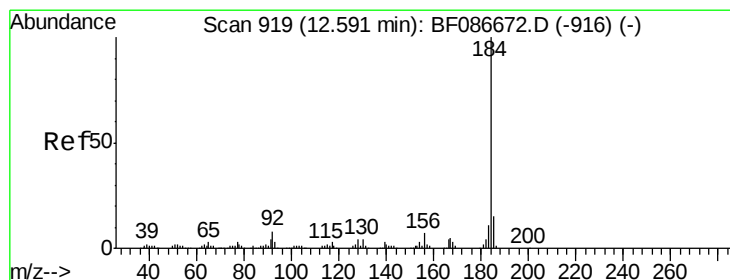
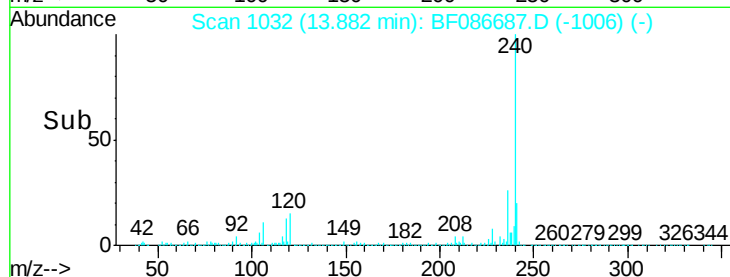
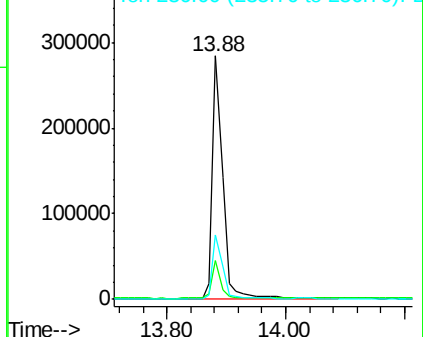
236 26.6 21.2 31.8



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: 7.29 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.07 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

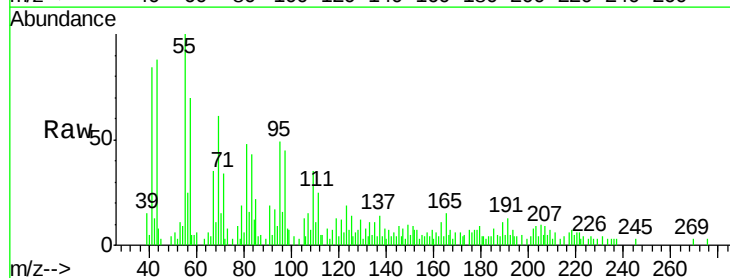
Tgt Ion:184 Resp: 2189

Ion Ratio Lower Upper

184 100

185 188.8 13.6 20.4#

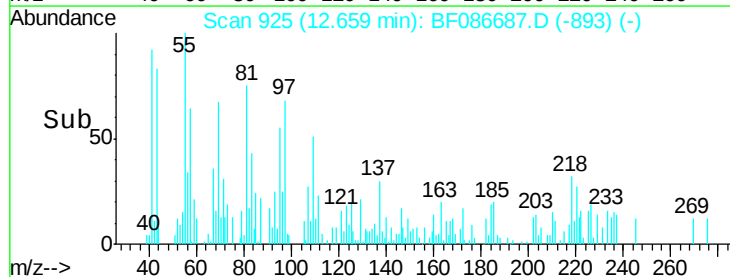
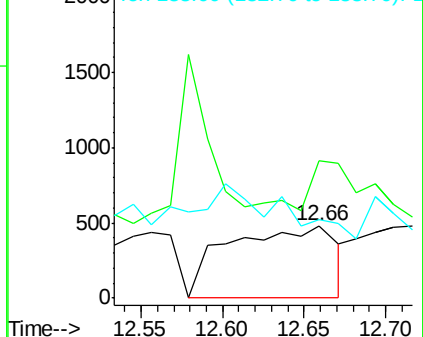
183 107.7 9.8 14.6#

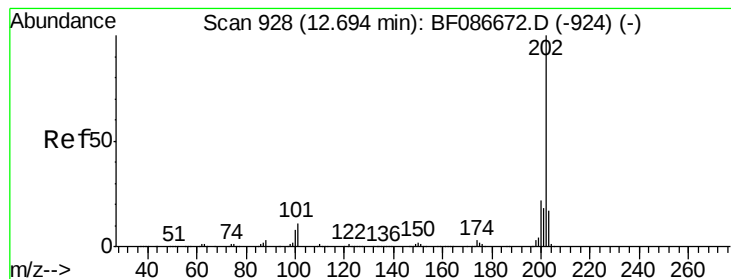


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 4.21 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

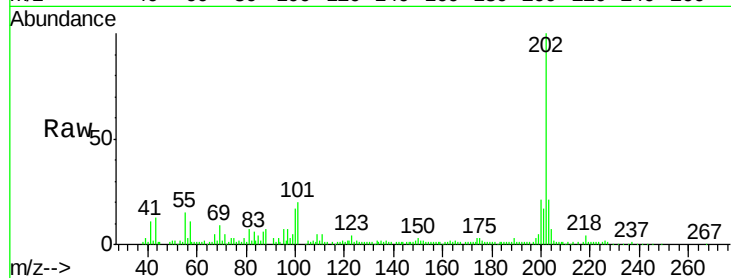
Tgt Ion:202 Resp: 116141

Ion Ratio Lower Upper

202 100

200 21.3 17.7 26.5

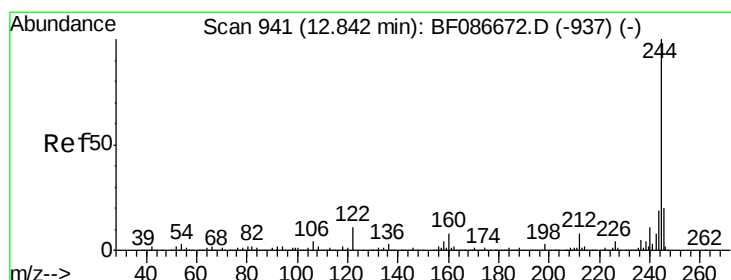
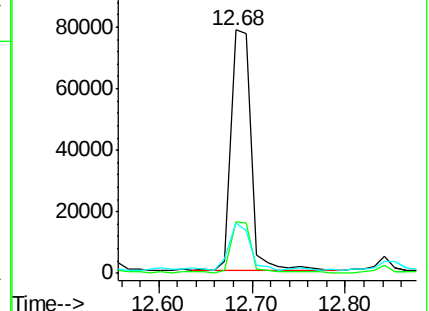
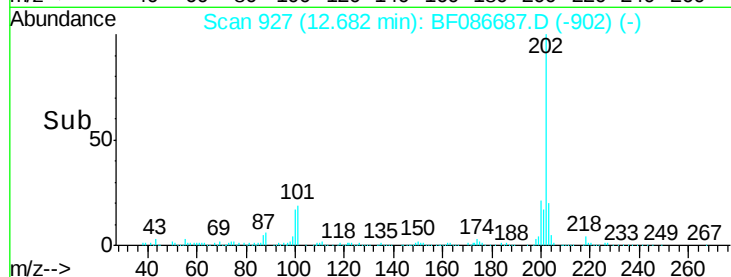
203 20.9 14.2 21.4



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: 64.51 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

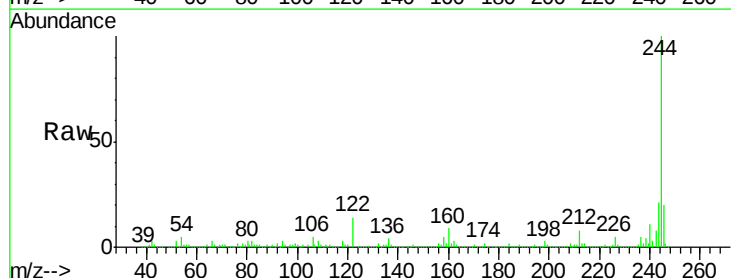
Tgt Ion:244 Resp: 1105397

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

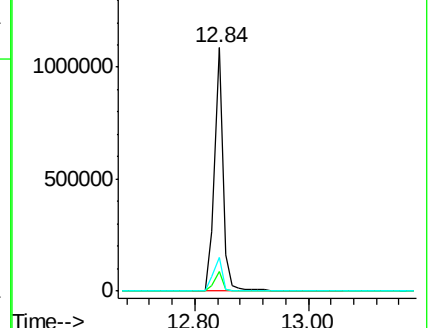
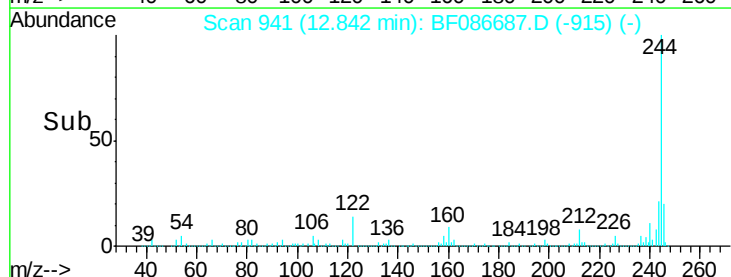
122 13.7 12.0 18.0

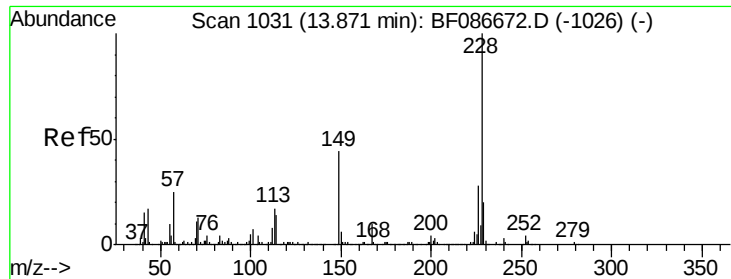


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

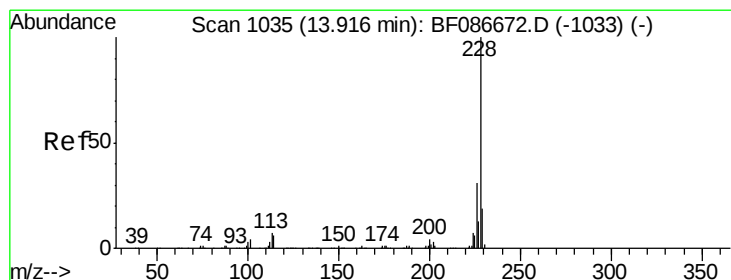
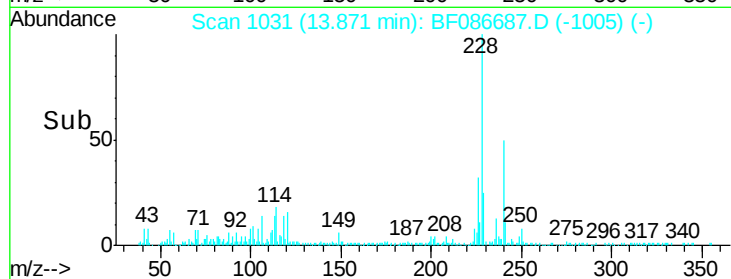
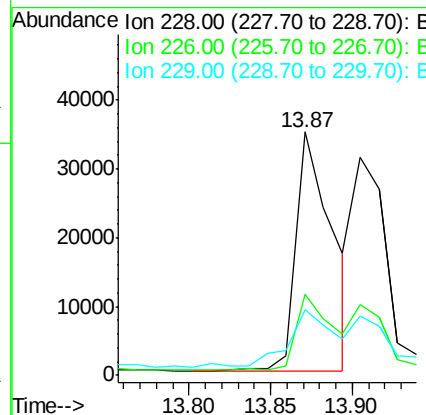
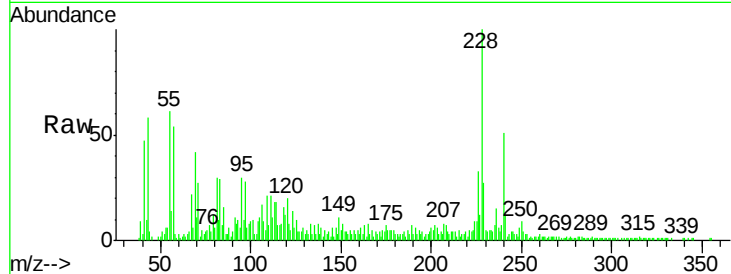




#80
Benzo(a)anthracene
Concen: 2.75 ng
RT: 13.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF086687.D
Acq: 4 May 2016 20:11

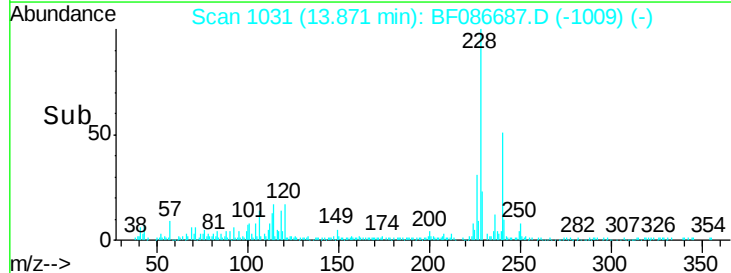
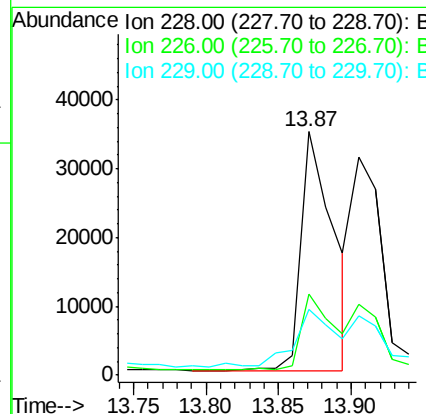
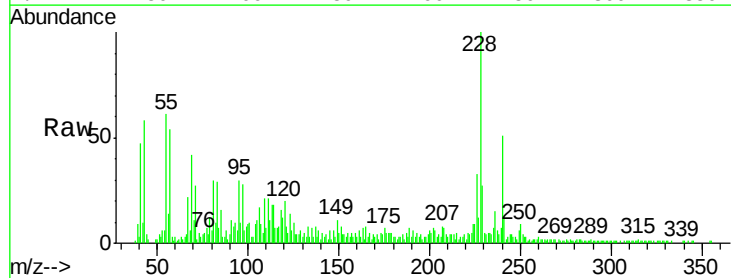
Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-8(12-25FTBGS)

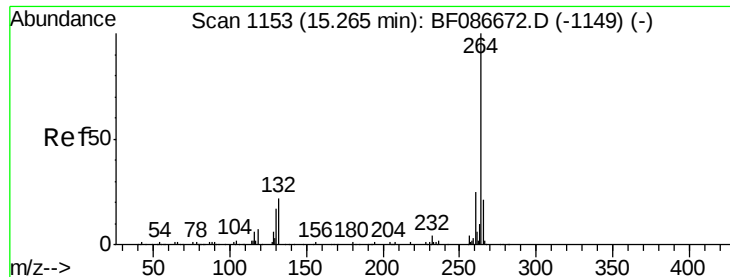
Tgt Ion:228 Resp: 53927
Ion Ratio Lower Upper
228 100
226 33.3 22.5 33.7
229 27.0 16.6 25.0#



#82
Chrysene
Concen: 2.60 ng
RT: 13.87 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF086687.D
Acq: 4 May 2016 20:11

Tgt Ion:228 Resp: 54262
Ion Ratio Lower Upper
228 100
226 33.3 24.4 36.6
229 27.0 15.8 23.8#

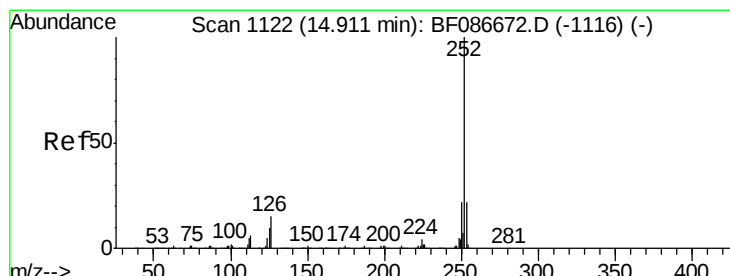
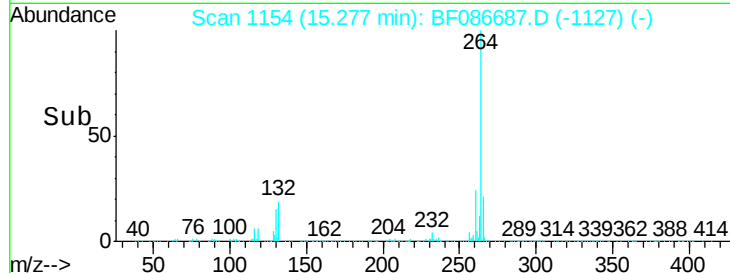
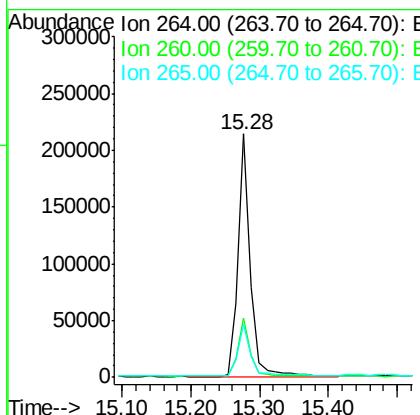
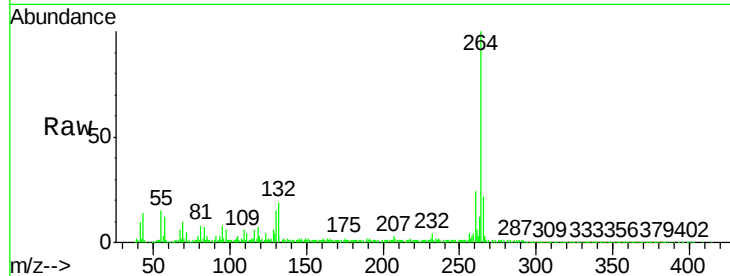




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BF086687.D
Acq: 4 May 2016 20:11

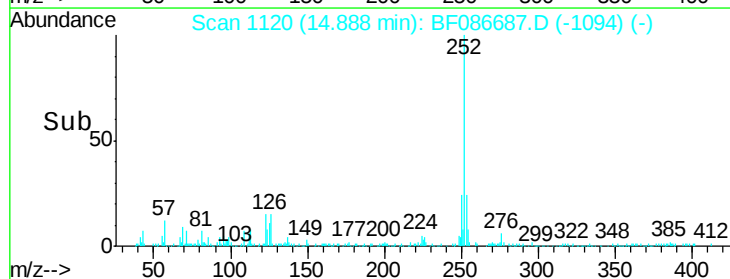
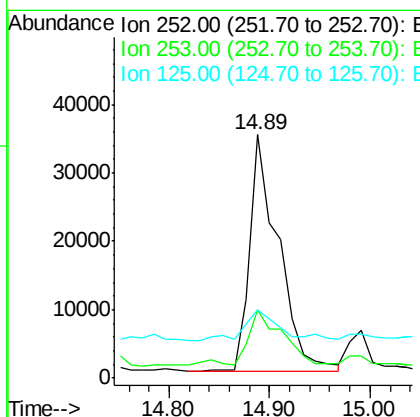
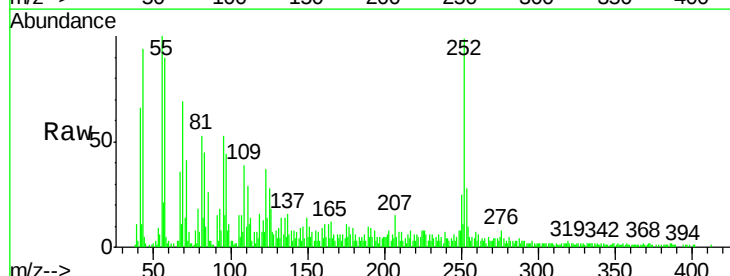
Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-8(12-25FTBGS)

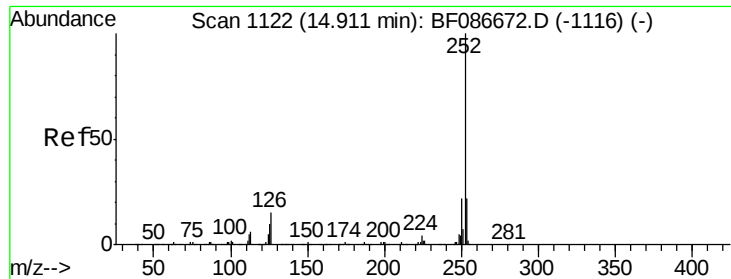
Tgt Ion:264 Resp: 270100
Ion Ratio Lower Upper
264 100
260 24.5 19.5 29.3
265 21.7 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.23 ng
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF086687.D
Acq: 4 May 2016 20:11

Tgt Ion:252 Resp: 68606
Ion Ratio Lower Upper
252 100
253 27.9 17.8 26.6#
125 27.9 11.4 17.0#





#88

Benzo(k)fluoranthene

Concen: 4.49 ng

RT: 14.89 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-8(12-25FTBGS)

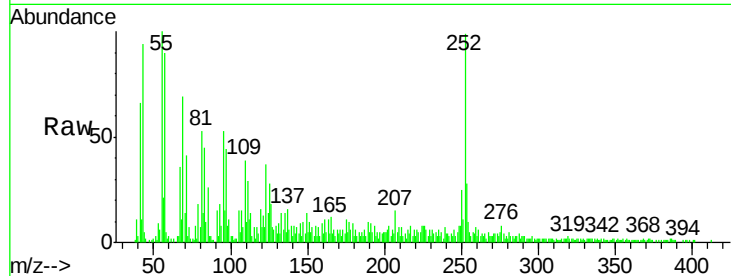
Tgt Ion:252 Resp: 68606

Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.6#

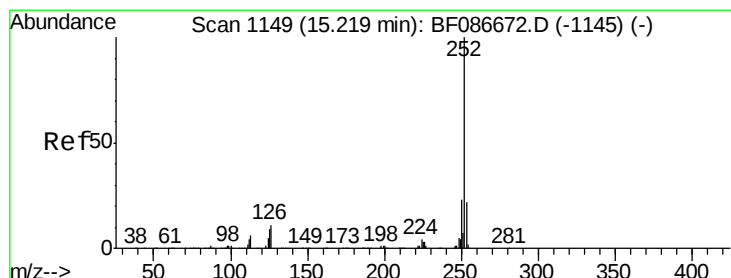
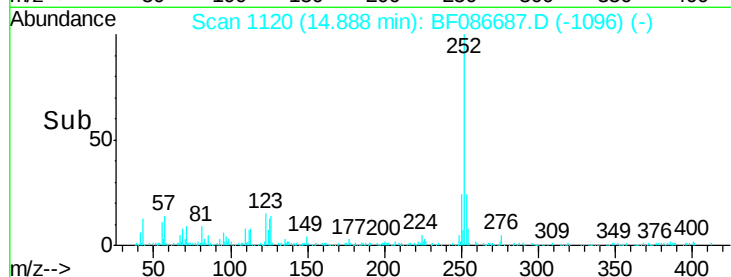
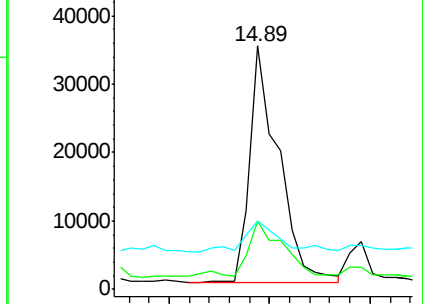
125 27.9 9.1 13.7#



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: 2.13 ng

RT: 15.22 min Scan# 1149

Delta R.T. 0.00 min

Lab File: BF086687.D

Acq: 4 May 2016 20:11

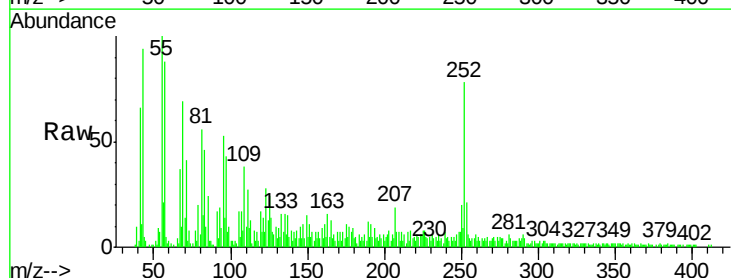
Tgt Ion:252 Resp: 31909

Ion Ratio Lower Upper

252 100

253 26.7 17.2 25.8#

125 31.1 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

