

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086698.D
 Acq On : 5 May 2016 1:25
 Operator : UM/SJ
 Sample : H2715-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

Quant Time: May 05 02:35:23 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

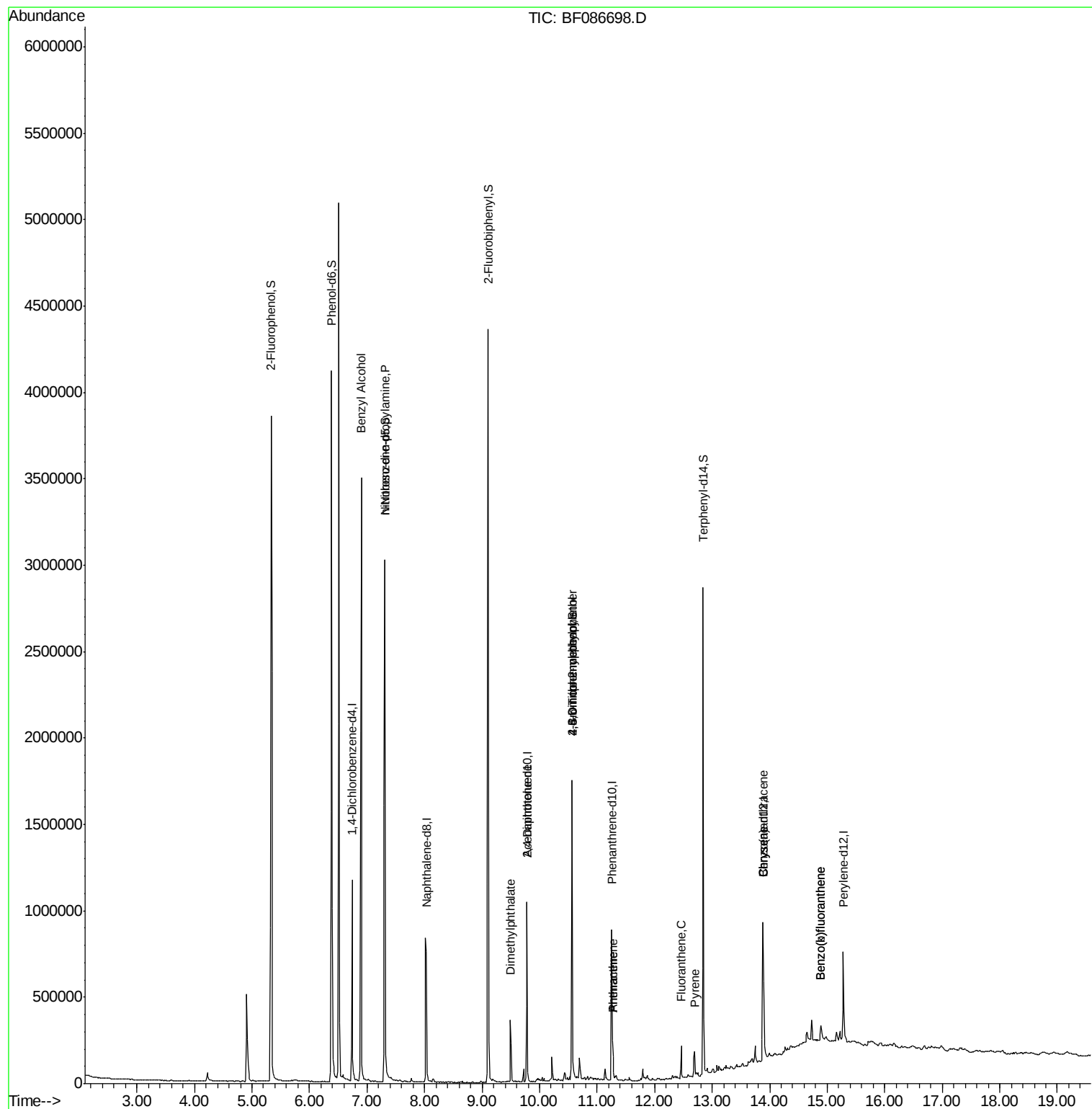
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	160794	40.00	ng	0.00
21) Naphthalene-d8	8.03	136	560221	40.00	ng	0.00
38) Acenaphthene-d10	9.78	164	220926	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	337785	40.00	ng	0.00
75) Chrysene-d12	13.88	240	322044	40.00	ng	0.00
86) Perylene-d12	15.28	264	245037	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1298901	133.73	ng	0.01
7) Phenol-d6	6.38	99	1493009	114.11	ng	0.01
23) Nitrobenzene-d5	7.31	82	1141456	104.70	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	273672	126.63	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1274801	94.59	ng	0.00
78) Terphenyl-d14	12.84	244	837366	52.55	ng	0.00
Target Compounds						
15) Benzyl Alcohol	6.90	79	19948	2.36	ng	# 39
19) n-Nitroso-di-n-propylamine	7.31	70	160187	17.92	ng	# 78
49) Dimethylphthalate	9.49	163	178450	10.84	ng	99
56) 2,4-Dinitrotoluene	9.78	165	27077	6.18	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.57	198	628	5.63	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	16758	4.99	ng	# 1
70) Phenanthrene	11.28	178	40670	2.24	ng	99
71) Anthracene	11.28	178	40670	2.14	ng	99
74) Fluoranthene	12.47	202	81403	4.48	ng	93
77) Pyrene	12.69	202	77476	3.02	ng	97
80) Benzo(a)anthracene	13.88	228	89216	4.90	ng	94
82) Chrysene	13.88	228	89216	4.59	ng	96
87) Benzo(b)fluoranthene	14.89	252	62115	4.22	ng	95
88) Benzo(k)fluoranthene	14.89	252	62115	4.48	ng	# 92

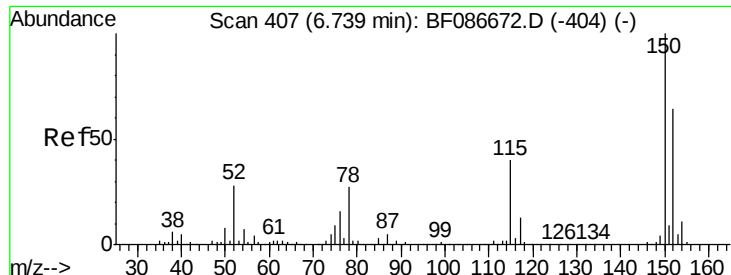
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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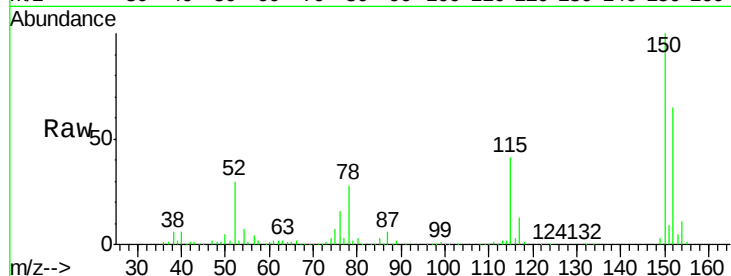


#1

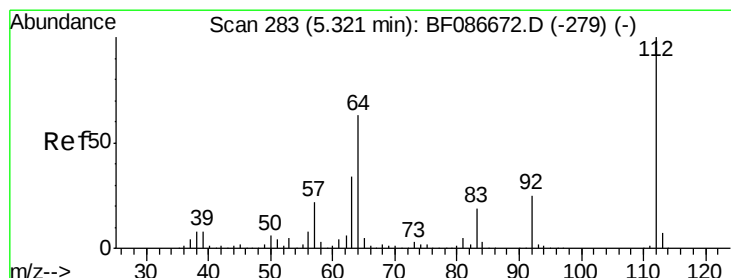
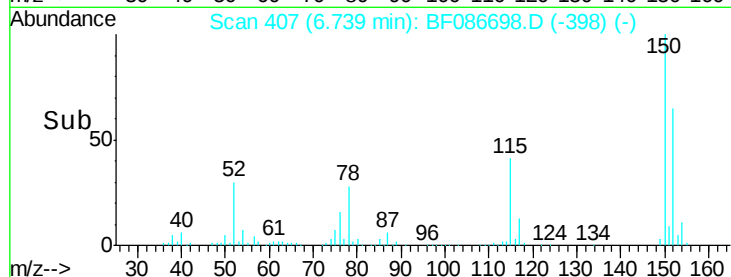
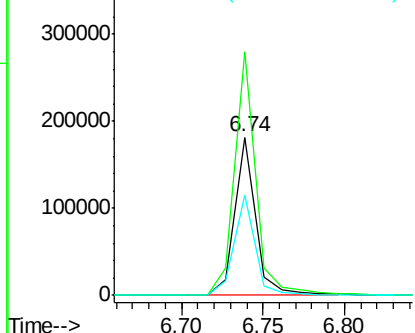
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.74 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-5(12-25FTBGS)

Tgt Ion:152 Resp: 160794
Ion Ratio Lower Upper
152 100
150 153.7 125.8 188.6
115 63.0 51.5 77.3



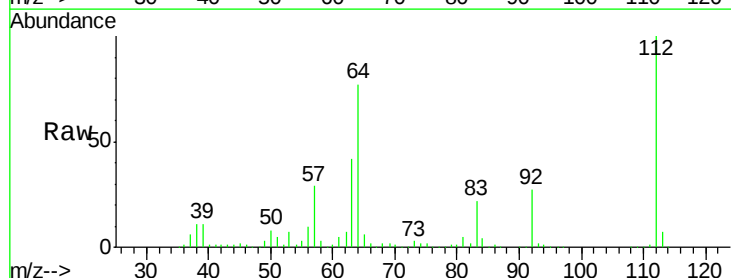
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



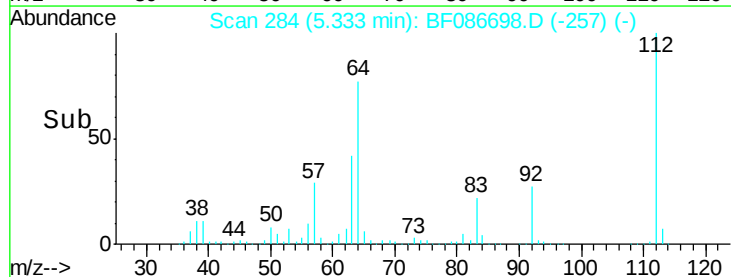
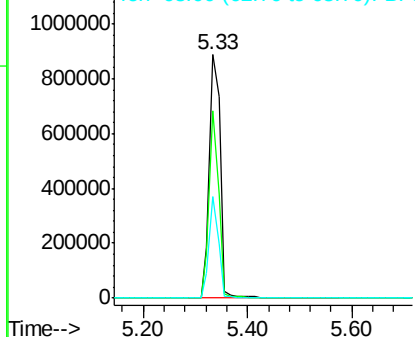
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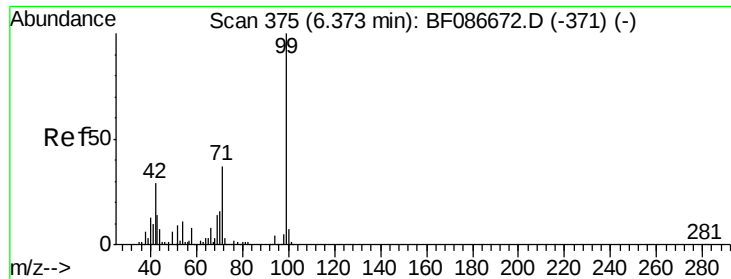
2-Fluorophenol
Concen: 133.73 ng
RT: 5.33 min Scan# 284
Delta R.T. 0.01 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion:112 Resp: 1298901
Ion Ratio Lower Upper
112 100
64 77.1 52.1 78.1
63 41.8 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: 114.11 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-5(12-25FTBGS)

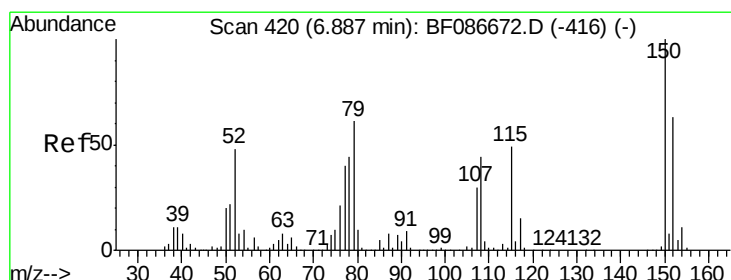
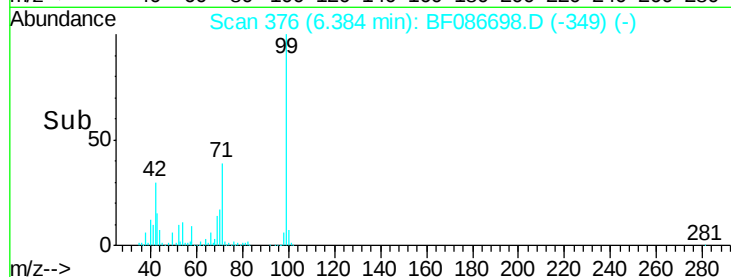
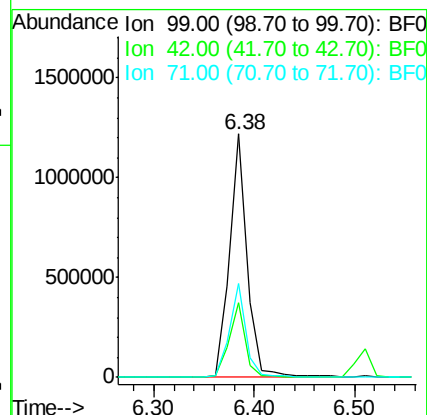
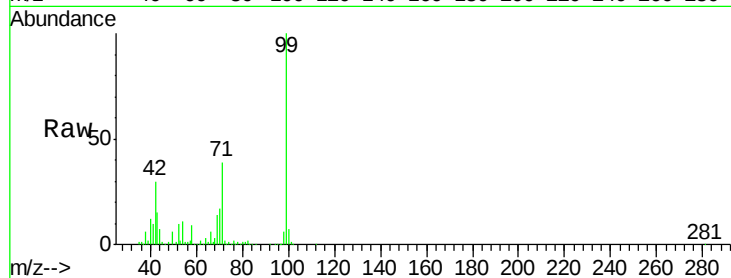
Tgt Ion: 99 Resp: 1493009

Ion Ratio Lower Upper

99 100

42 30.4 13.6 20.4#

71 38.8 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.36 ng

RT: 6.90 min Scan# 421

Delta R.T. 0.01 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

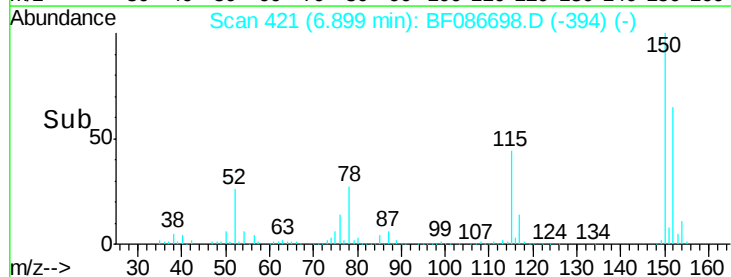
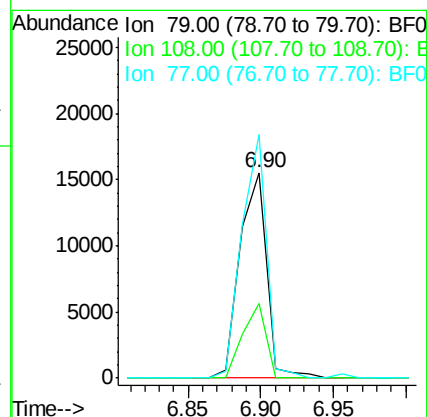
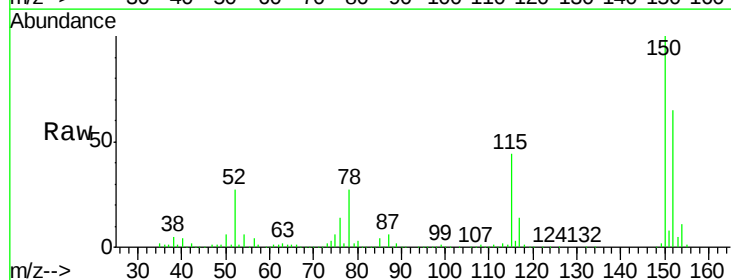
Tgt Ion: 79 Resp: 19948

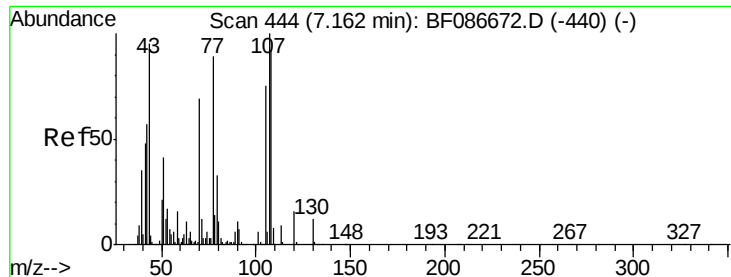
Ion Ratio Lower Upper

79 100

108 36.3 68.4 102.6#

77 118.4 50.6 76.0#

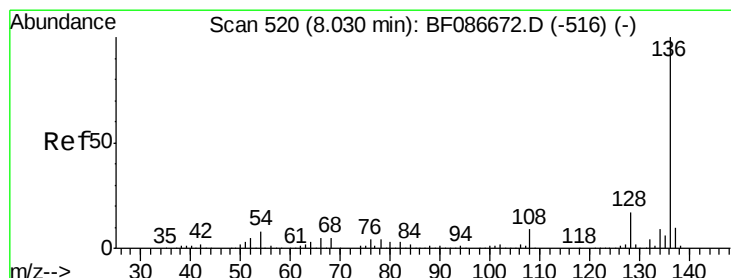
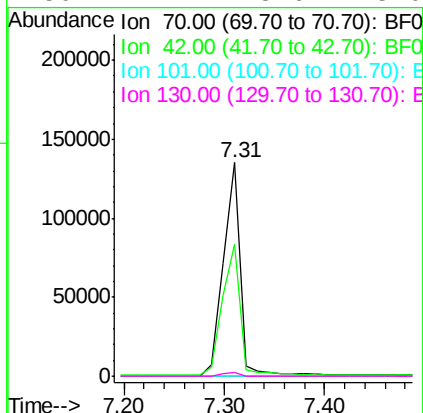
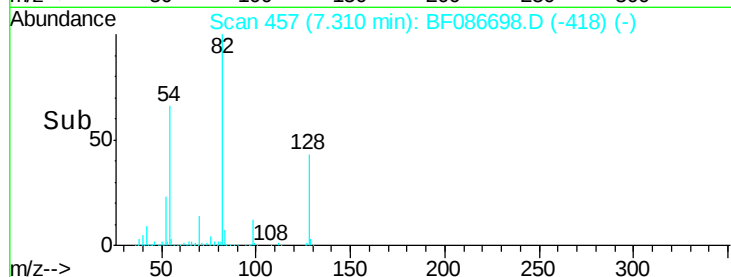
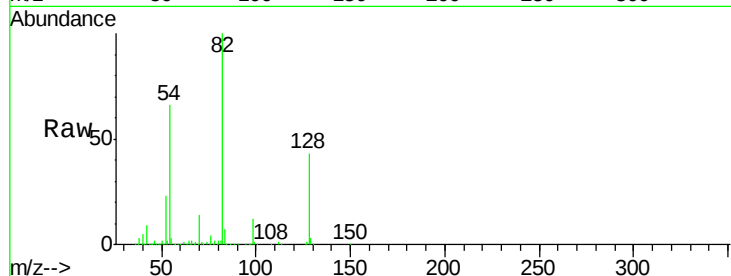




#19
n-Nitroso-di-n-propylamine
Concen: 17.92 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.15 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

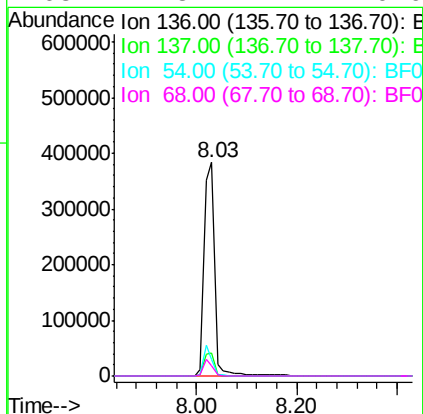
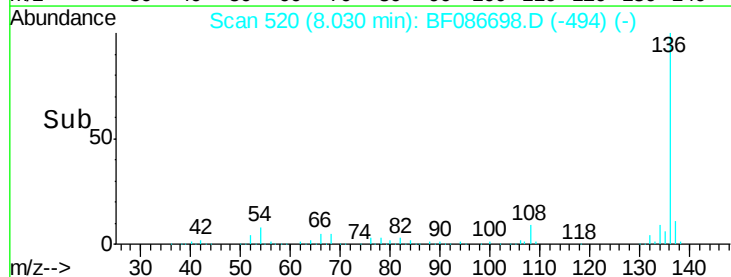
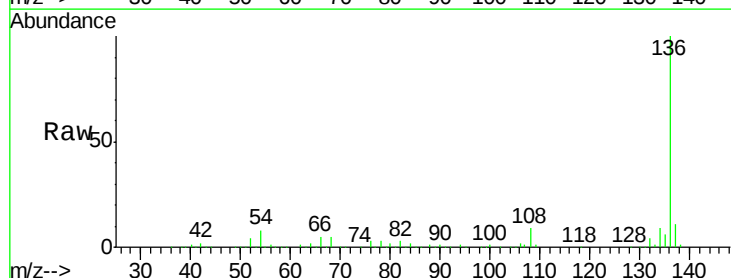
Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-5(12-25FTBGS)

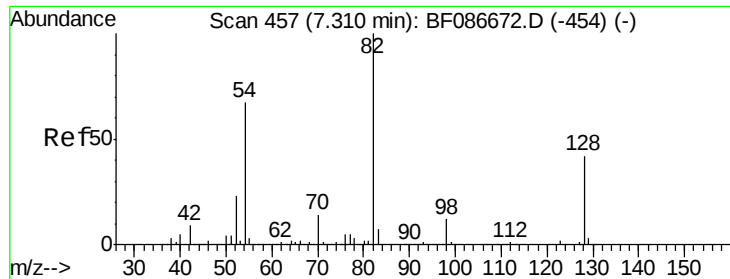
Tgt Ion: 70 Resp: 160187
Ion Ratio Lower Upper
70 100
42 61.9 43.1 64.7
101 0.0 8.1 12.1#
130 2.1 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.03 min Scan# 520
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion: 136 Resp: 560221
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.7 5.0 7.4#
68 4.8 4.4 6.6

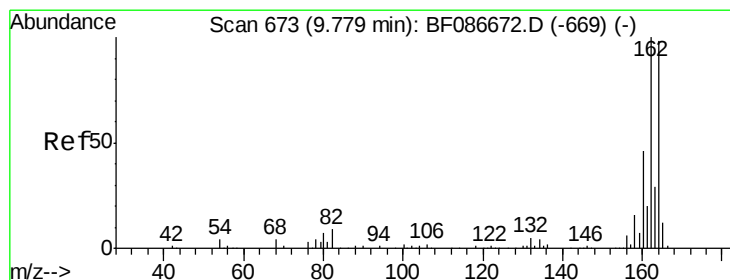
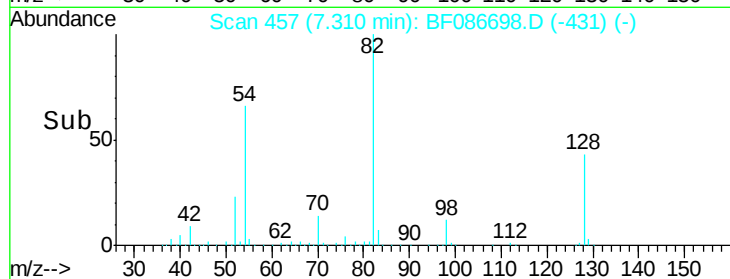
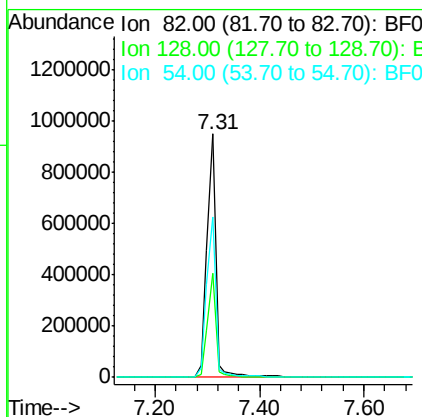
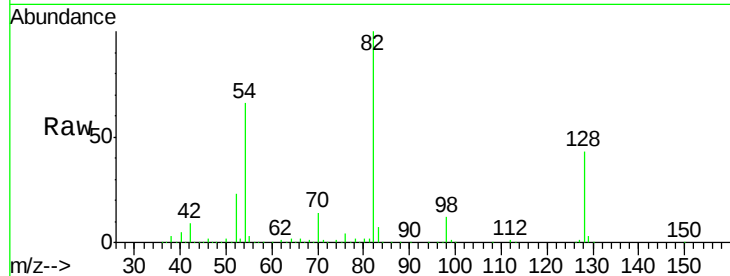




#23
 Nitrobenzene-d5
 Concen: 104.70 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

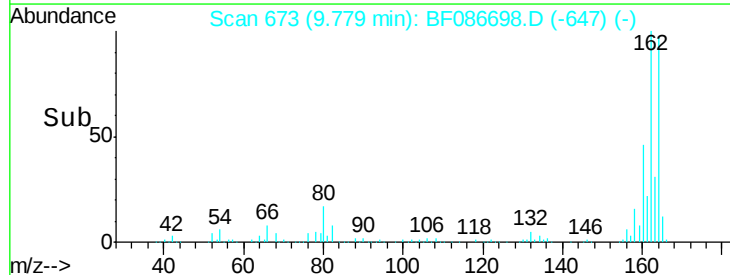
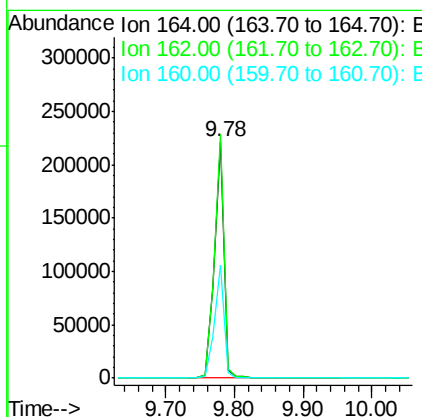
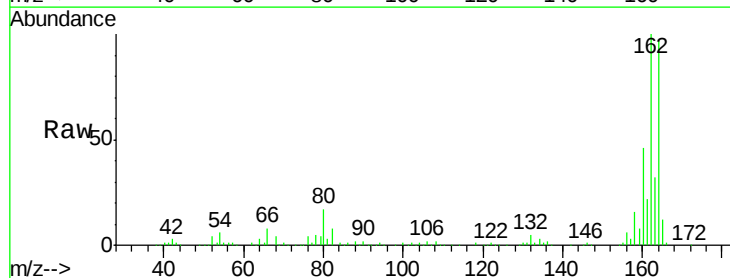
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

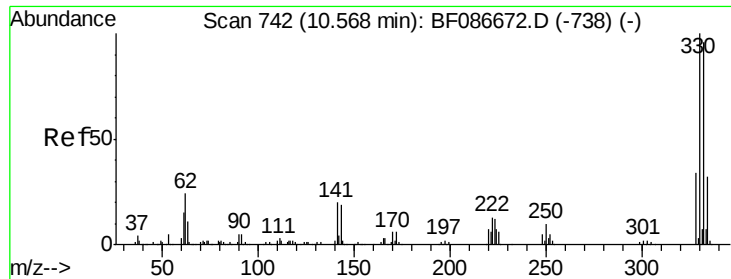
Tgt Ion: 82 Resp: 1141456
 Ion Ratio Lower Upper
 82 100
 128 42.8 40.6 61.0
 54 65.9 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Tgt Ion: 164 Resp: 220926
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.8 124.2
 160 47.6 36.9 55.3

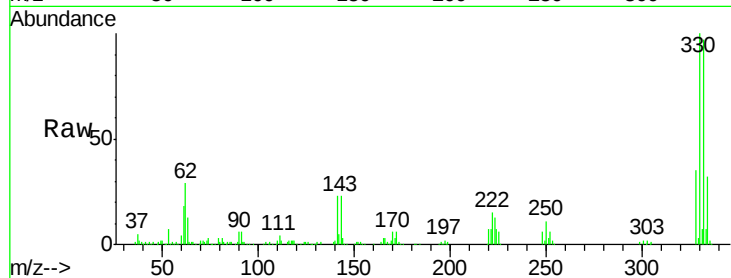




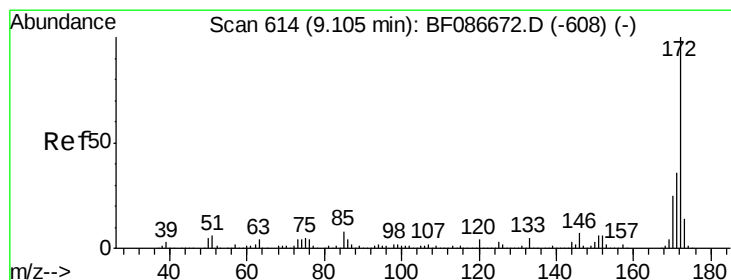
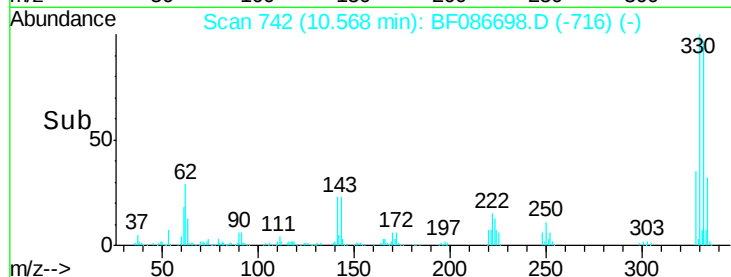
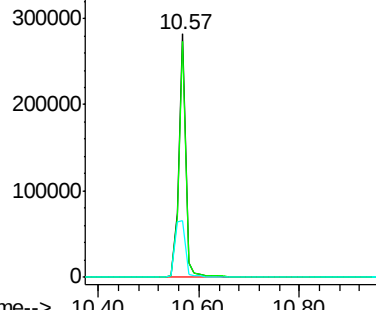
#41
 2,4,6-Tribromophenol
 Concen: 126.63 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

Tgt Ion:330 Resp: 273672
 Ion Ratio Lower Upper
 330 100
 332 95.8 79.0 118.4
 141 35.8 31.2 46.8

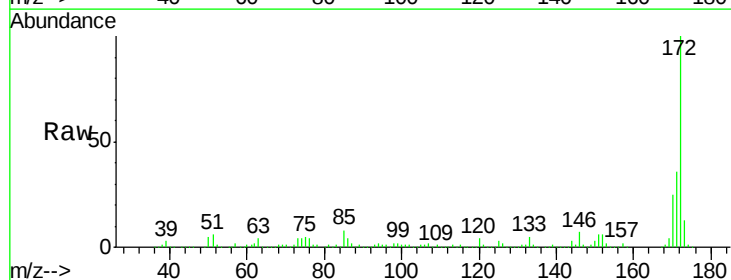


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

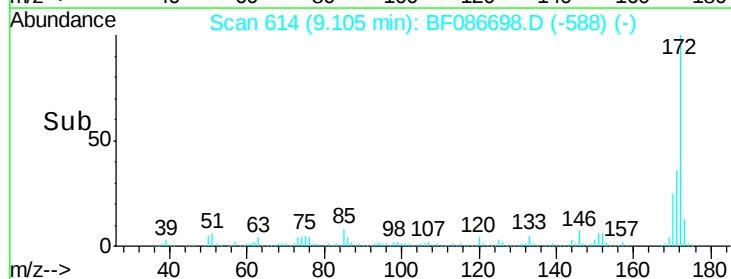
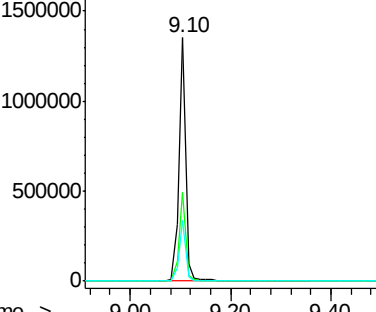


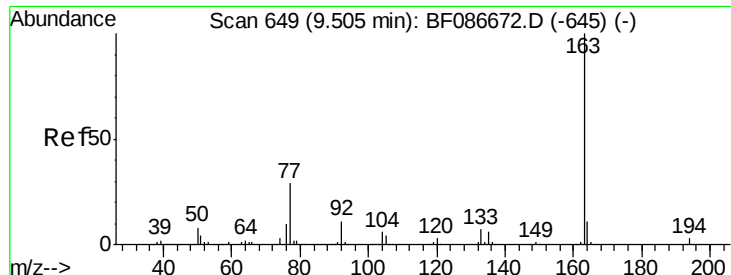
#44
 2-Fluorobiphenyl
 Concen: 94.59 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Tgt Ion:172 Resp: 1274801
 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

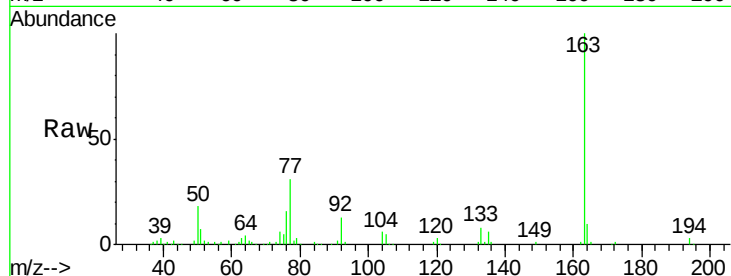




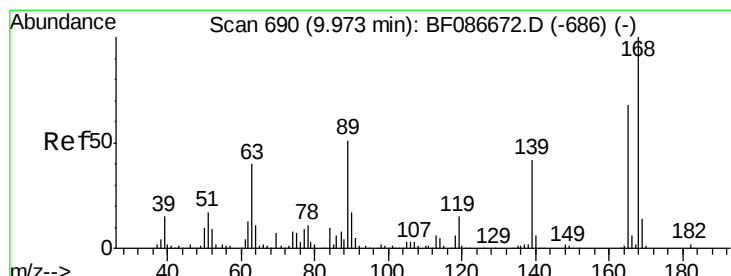
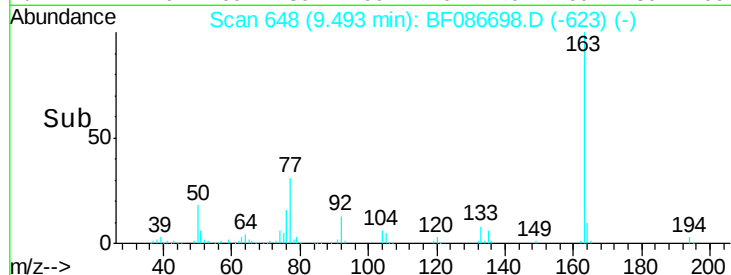
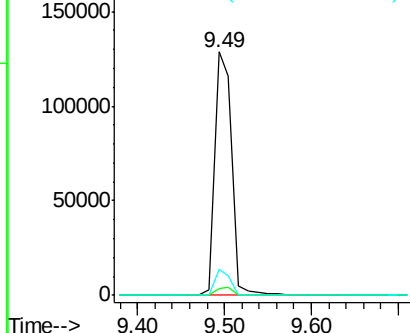
#49
Dimethylphthalate
Concen: 10.84 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.01 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-5(12-25FTBGS)

Tgt Ion:163 Resp: 178450
Ion Ratio Lower Upper
163 100
194 2.8 2.6 4.0
164 10.5 8.2 12.4

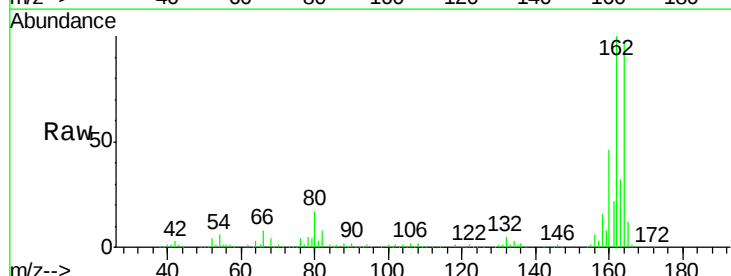


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

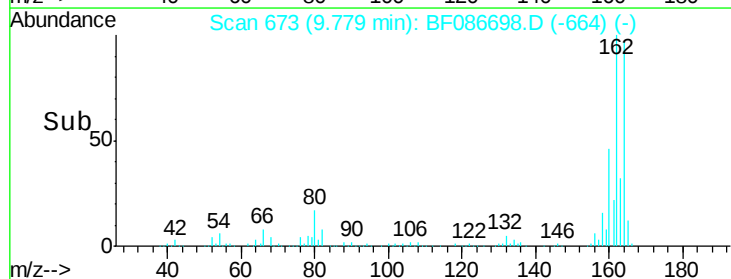
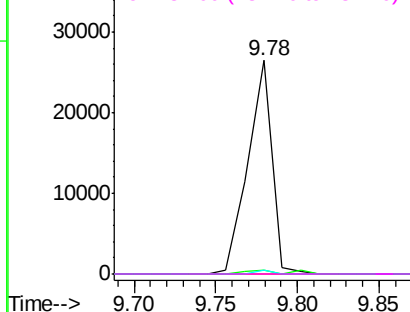


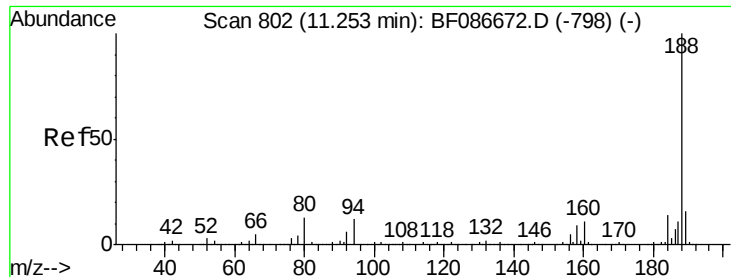
#56
2,4-Dinitrotoluene
Concen: 6.18 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.19 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion:165 Resp: 27077
Ion Ratio Lower Upper
165 100
63 2.1 44.3 66.5#
89 2.0 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

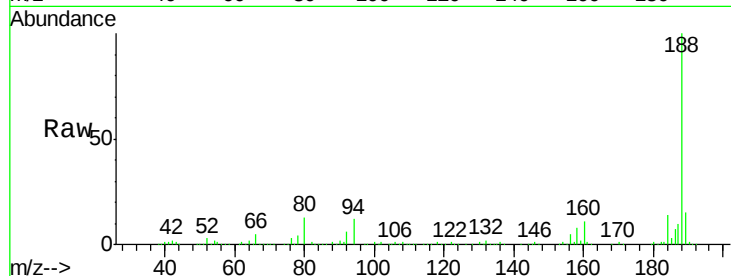




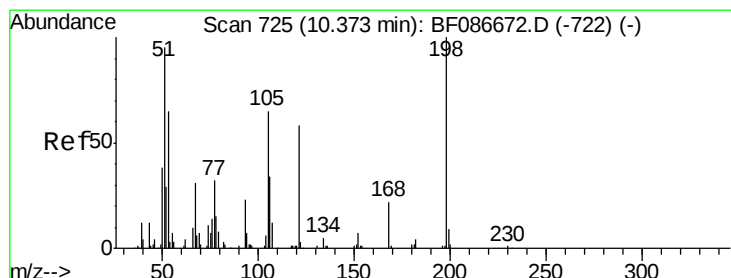
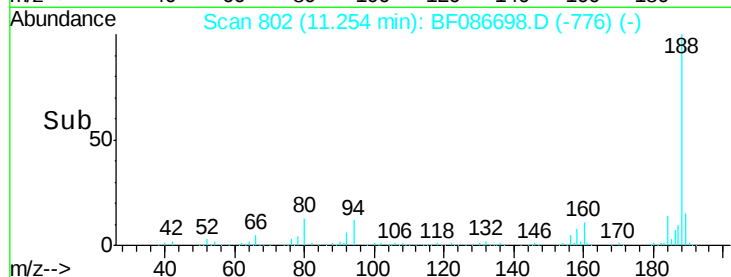
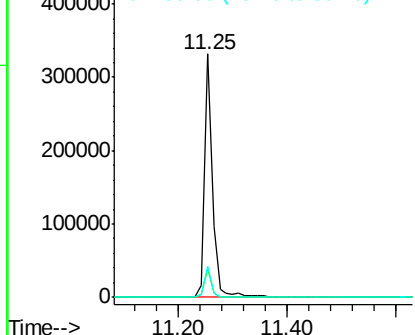
#63
Phenanthrene-d10
Concen: 40.00 ng
RT: 11.25 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-5(12-25FTBGS)

Tgt Ion:188 Resp: 337785
Ion Ratio Lower Upper
188 100
94 11.6 6.8 10.2#
80 12.7 7.1 10.7#

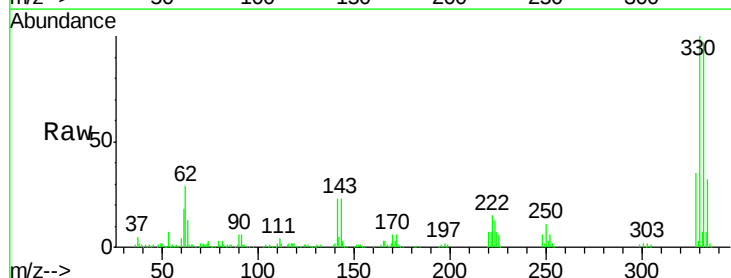


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

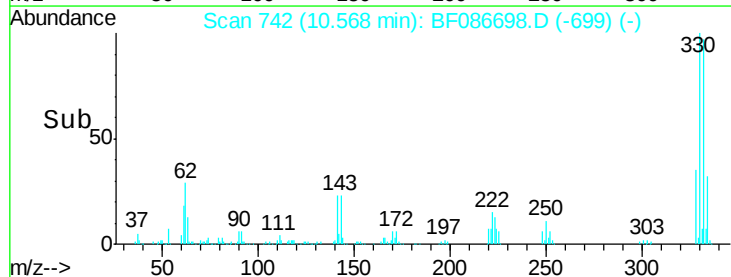
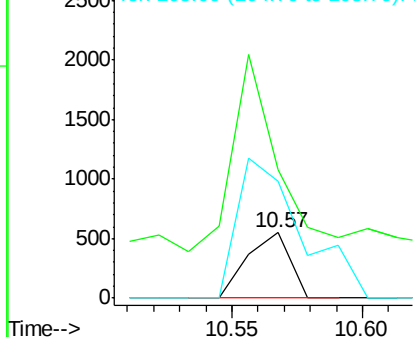


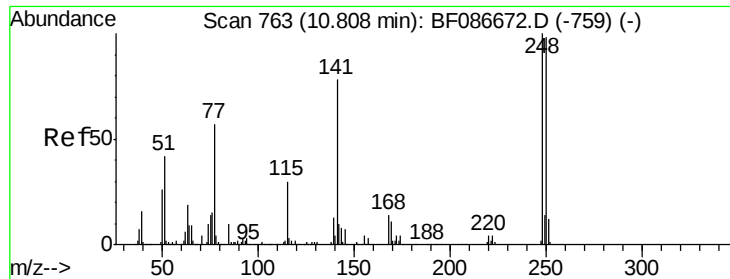
#64
4,6-Dinitro-2-methylphenol
Concen: 5.63 ng
RT: 10.57 min Scan# 742
Delta R.T. 0.19 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion:198 Resp: 628
Ion Ratio Lower Upper
198 100
51 196.4 20.5 60.5#
105 179.3 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

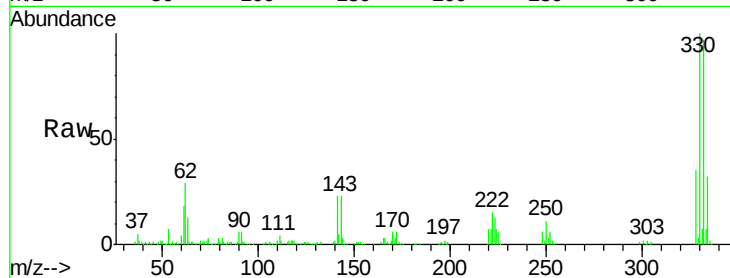




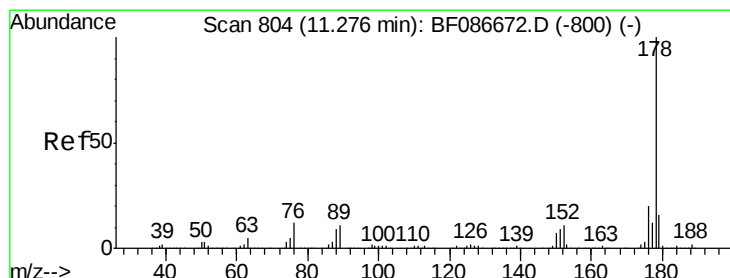
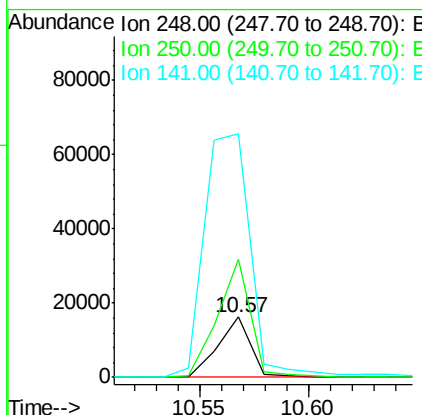
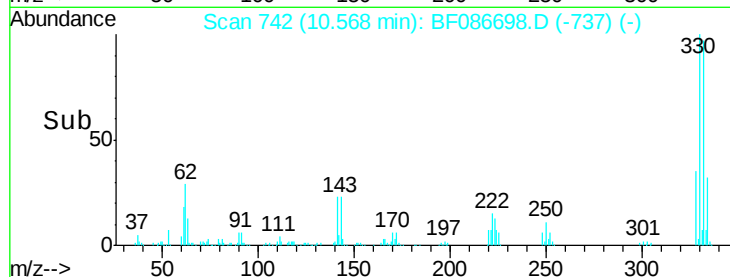
#66
 4-Bromophenyl-phenylether
 Concen: 4.99 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.24 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

Tgt Ion:248 Resp: 16758
 Ion Ratio Lower Upper
 248 100
 250 195.7 78.6 117.8#
 141 405.3 76.0 114.0#

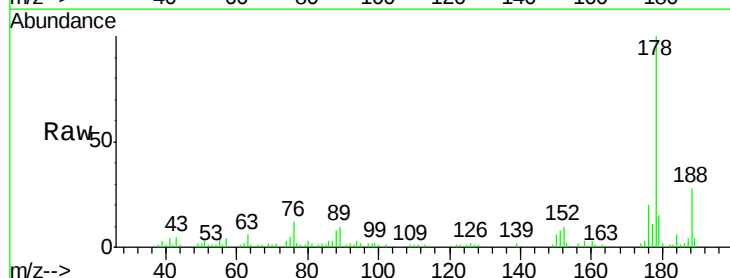


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

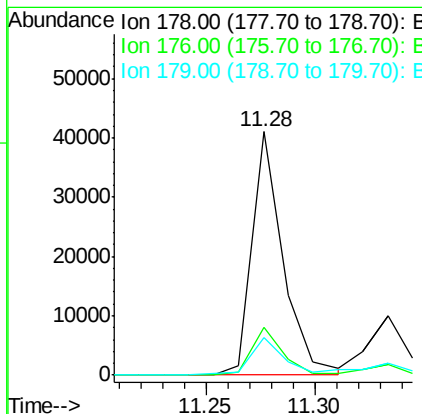
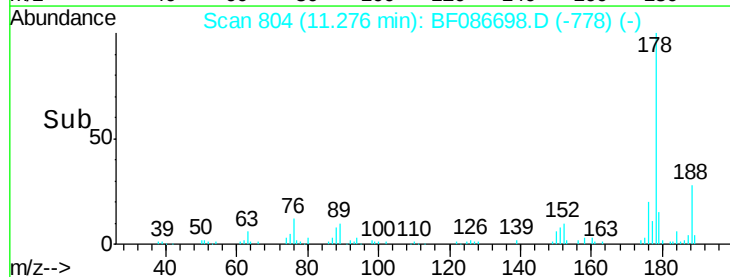


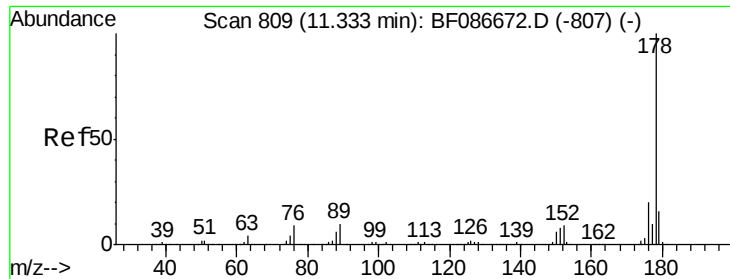
#70
 Phenanthrene
 Concen: 2.24 ng
 RT: 11.28 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Tgt Ion:178 Resp: 40670
 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

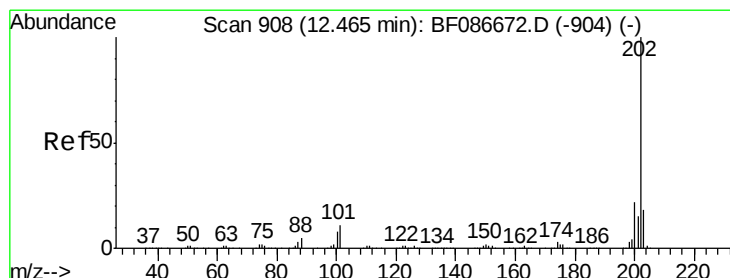
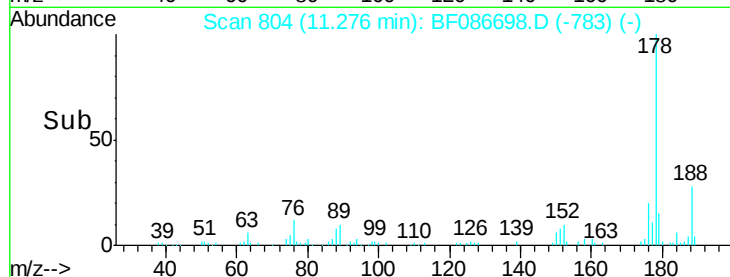
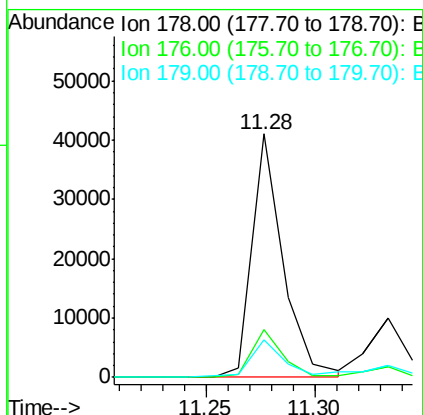
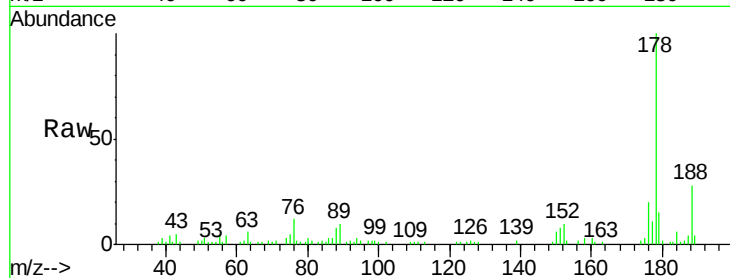




#71
 Anthracene
 Concen: 2.14 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.06 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

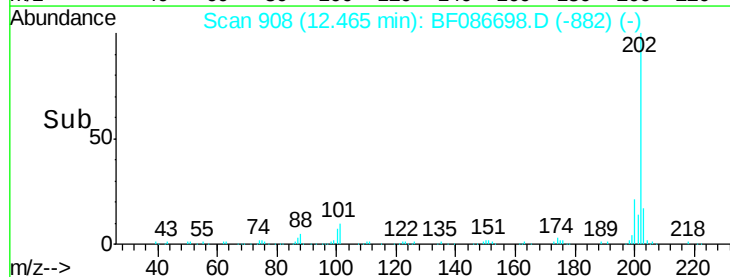
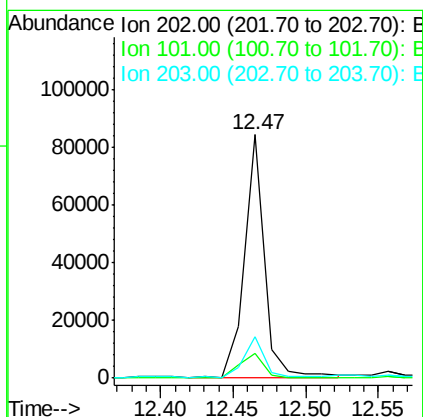
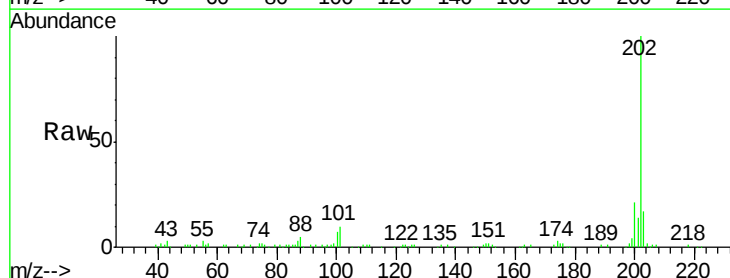
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-5(12-25FTBGS)

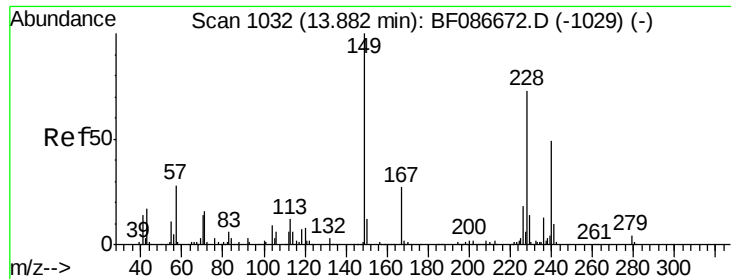
Tgt Ion:178 Resp: 40670
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.6 23.4
 179 15.3 12.7 19.1



#74
 Fluoranthene
 Concen: 4.48 ng
 RT: 12.47 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: BF086698.D
 Acq: 5 May 2016 1:25

Tgt Ion:202 Resp: 81403
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 35.4
 203 17.2 0.0 38.1





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-5(12-25FTBGS)

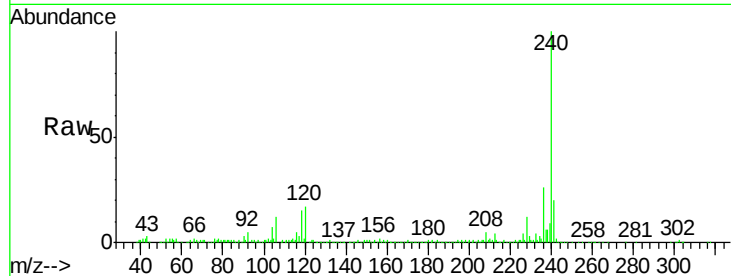
Tgt Ion:240 Resp: 322044

Ion Ratio Lower Upper

240 100

120 17.0 11.2 16.8#

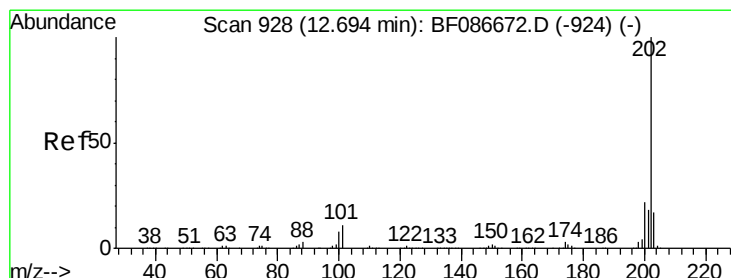
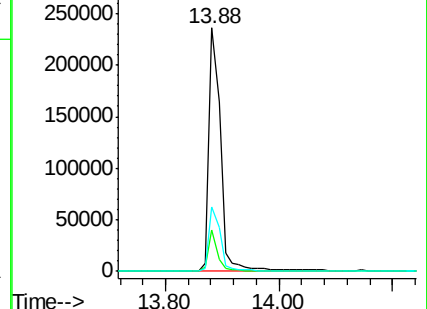
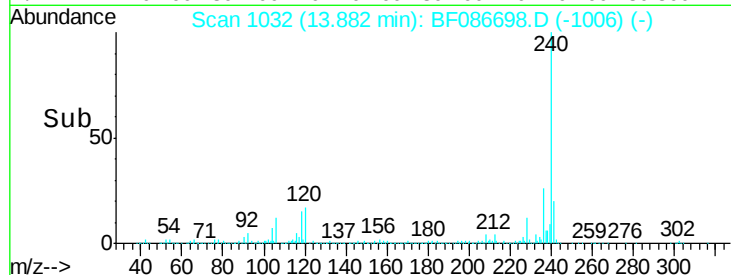
236 26.3 21.2 31.8



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



#77

Pyrene

Concen: 3.02 ng

RT: 12.69 min Scan# 928

Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

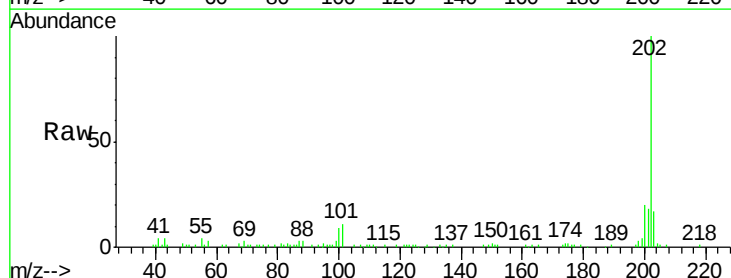
Tgt Ion:202 Resp: 77476

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

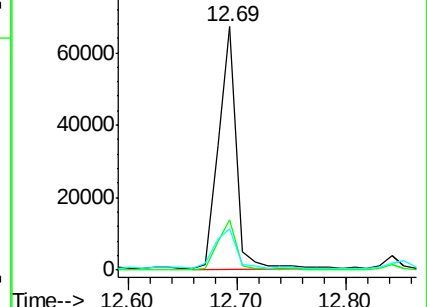
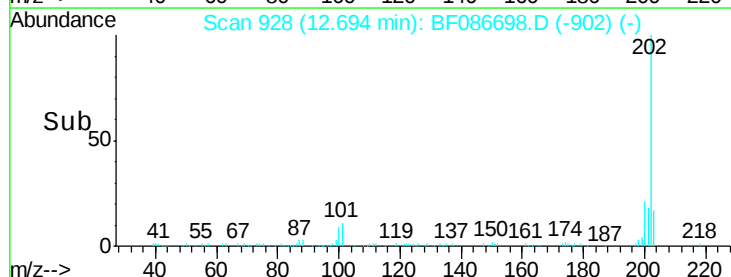
203 17.1 14.2 21.4

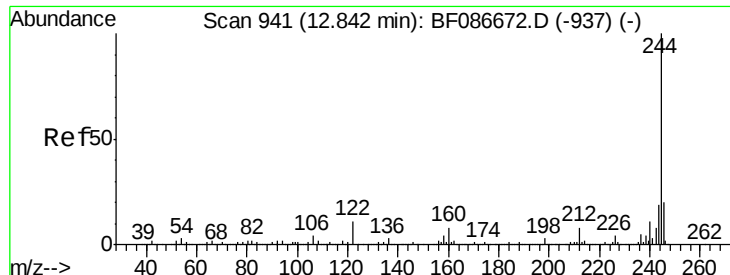


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 52.55 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-5(12-25FTBGS)

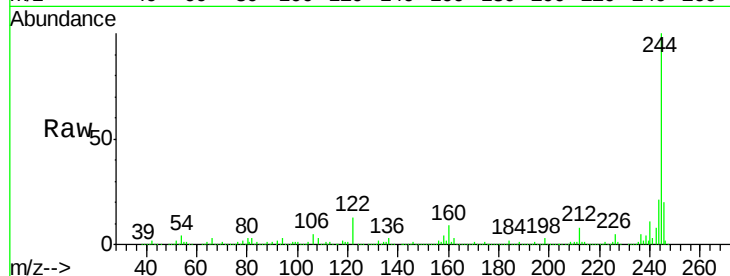
Tgt Ion:244 Resp: 837366

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

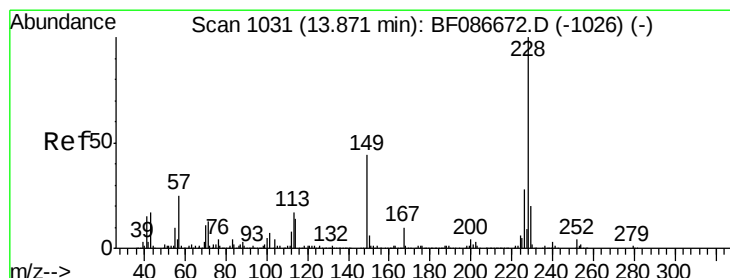
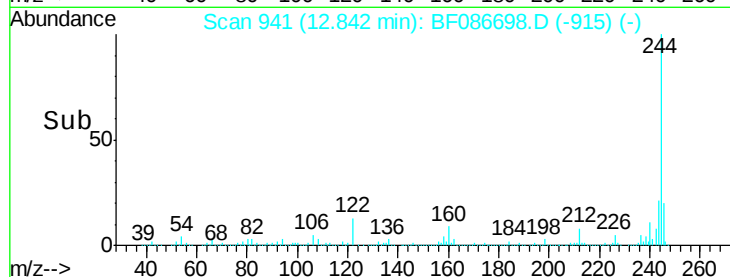
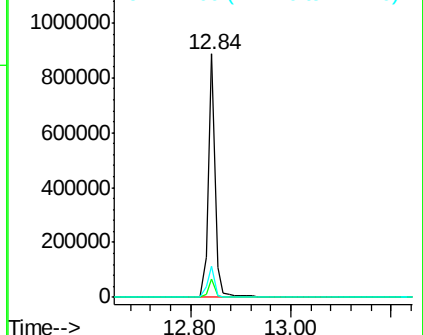
122 12.9 12.0 18.0



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: 4.90 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.01 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

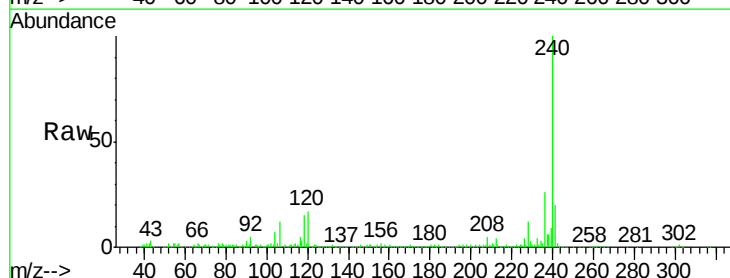
Tgt Ion:228 Resp: 89216

Ion Ratio Lower Upper

228 100

226 31.0 22.5 33.7

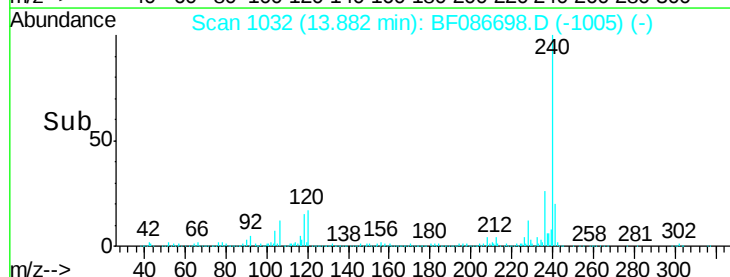
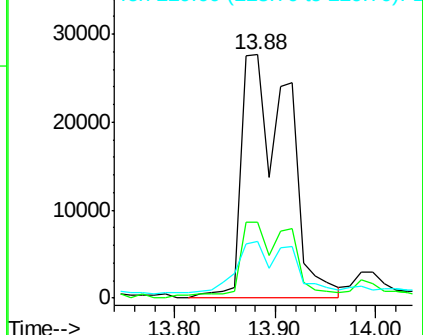
229 23.4 16.6 25.0

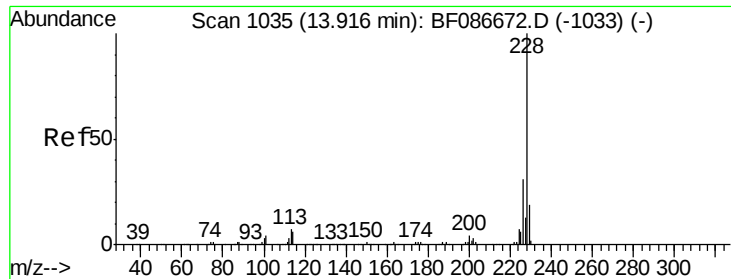


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.59 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BF086698.D

Acq: 5 May 2016 1:25

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-5(12-25FTBGS)

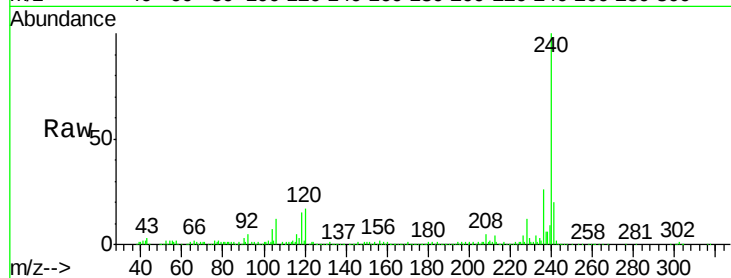
Tgt Ion:228 Resp: 89216

Ion Ratio Lower Upper

228 100

226 31.0 24.4 36.6

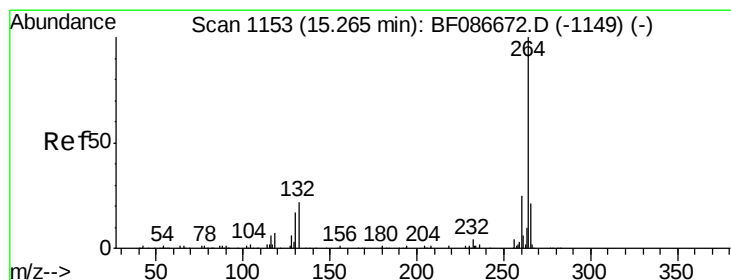
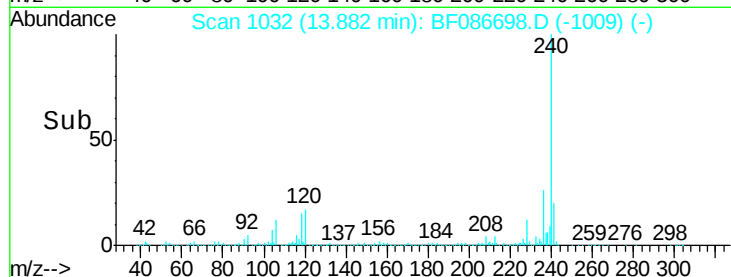
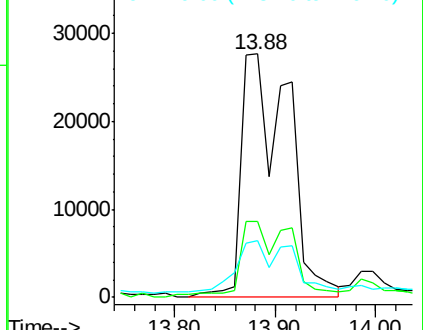
229 23.4 15.8 23.8



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: BF086698.D

Acq: 5 May 2016 1:25

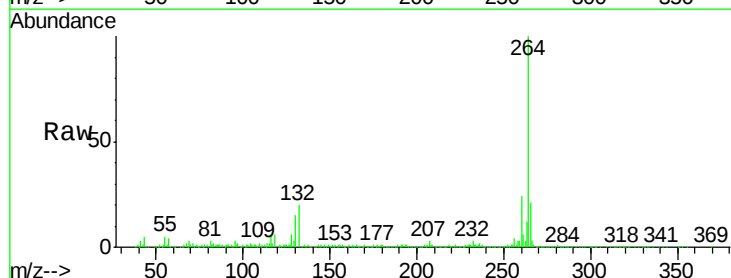
Tgt Ion:264 Resp: 245037

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

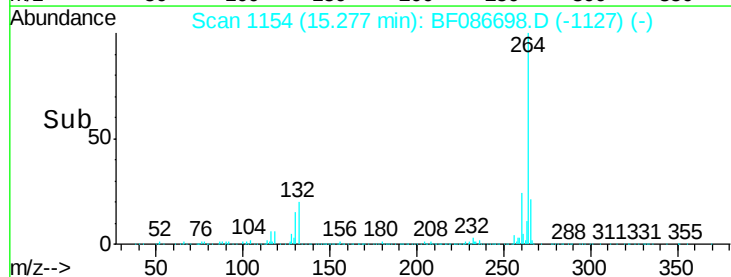
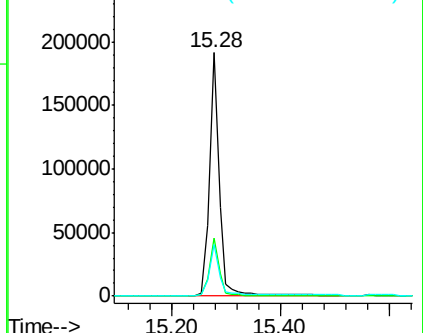
265 21.3 17.3 25.9

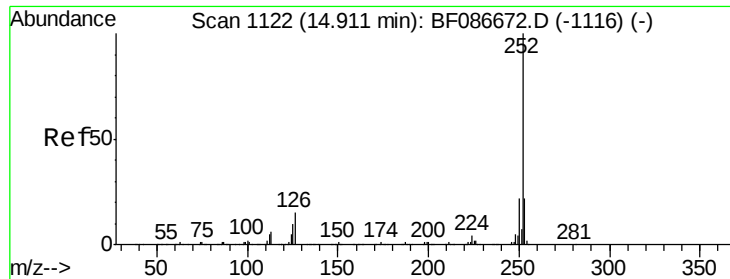


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

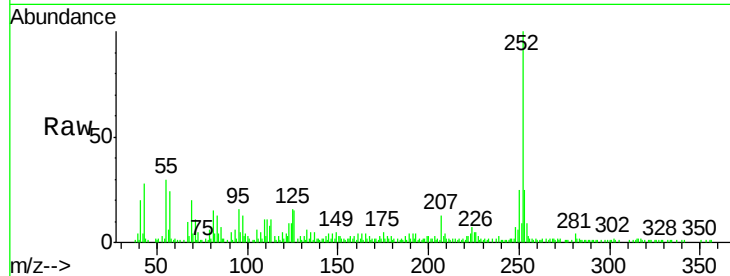




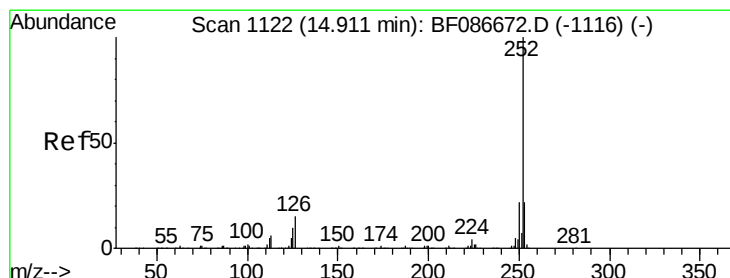
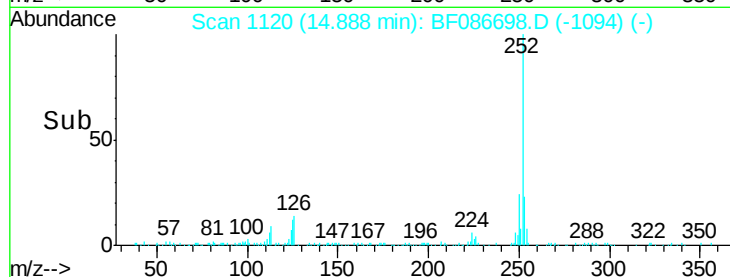
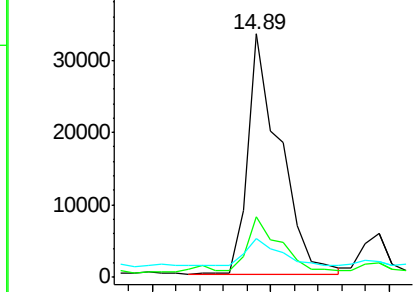
#87
Benzo(b)fluoranthene
Concen: 4.22 ng
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-5(12-25FTBGS)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.6
125	16.1	11.4	17.0

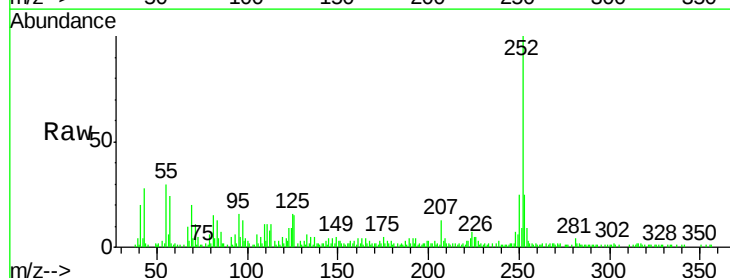


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 4.48 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF086698.D
Acq: 5 May 2016 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	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

