

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086684.D
 Acq On : 4 May 2016 18:45
 Operator : UM/SJ
 Sample : H2715-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-2(6-12FTBGS)

Quant Time: May 05 01:35:55 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	158530	40.00	ng	0.00
21) Naphthalene-d8	8.02	136	612410	40.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	272489	40.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	451907	40.00	ng	0.00
75) Chrysene-d12	13.88	240	337925	40.00	ng	0.00
86) Perylene-d12	15.27	264	338790	40.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	1367493	142.80	ng	0.01
7) Phenol-d6	6.38	99	1836907	142.40	ng	0.01
23) Nitrobenzene-d5	7.31	82	1211808	101.68	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	361144	135.48	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1525884	91.79	ng	0.00
78) Terphenyl-d14	12.84	244	905001	54.12	ng	0.00

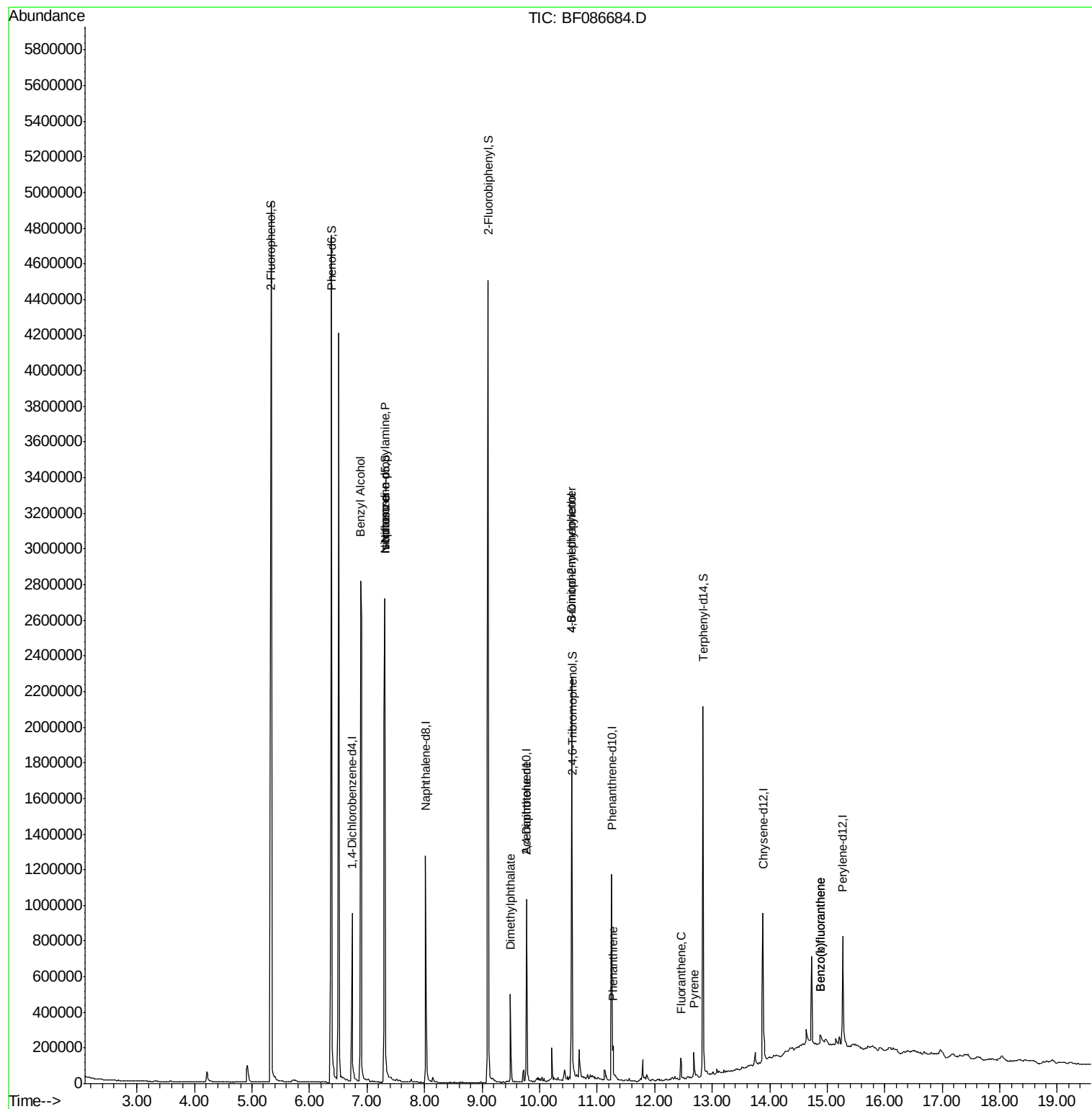
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.89	79	18807	2.25	ng	# 40
19) n-Nitroso-di-n-propylamine	7.31	70	163692	18.57	ng	# 80
25) Isophorone	7.31	82	1139456	51.34	ng	# 68
49) Dimethylphthalate	9.49	163	195109	9.60	ng	99
56) 2,4-Dinitrotoluene	9.77	165	34969	6.47	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.56	198	716	5.57	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	19998	4.45	ng	# 1
70) Phenanthrene	11.28	178	64189	2.64	ng	100
74) Fluoranthene	12.45	202	64639	2.66	ng	96
77) Pyrene	12.68	202	63151	2.34	ng	97
87) Benzo(b)fluoranthene	14.89	252	42406	2.08	ng	# 92
88) Benzo(k)fluoranthene	14.89	252	42406	2.21	ng	# 89

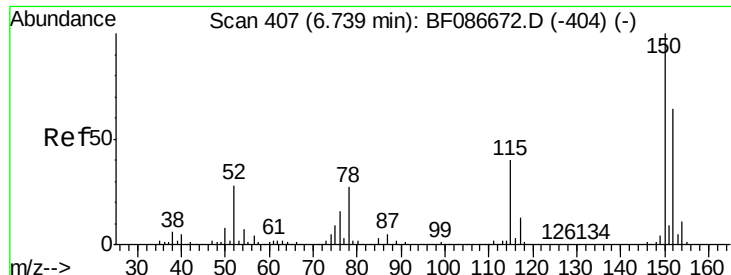
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086684.D

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Instrument :

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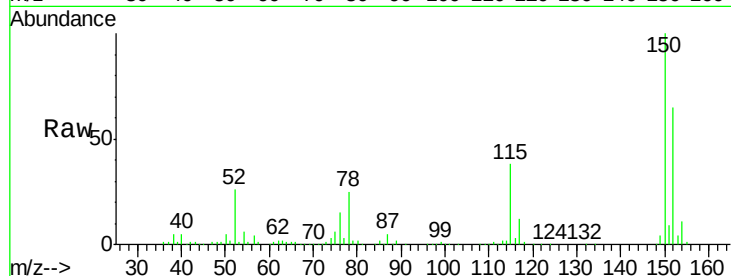
Tgt Ion:152 Resp: 158530

Ion Ratio Lower Upper

152 100

150 154.9 125.8 188.6

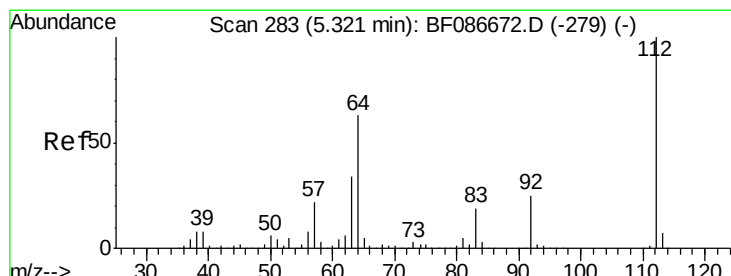
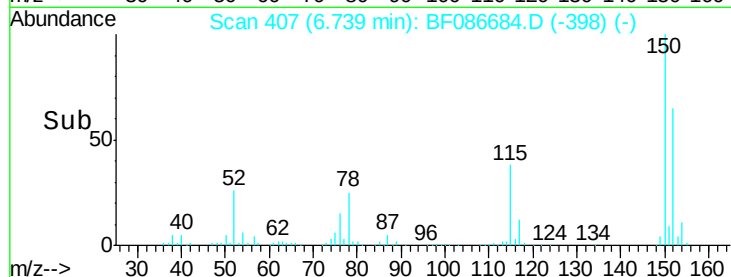
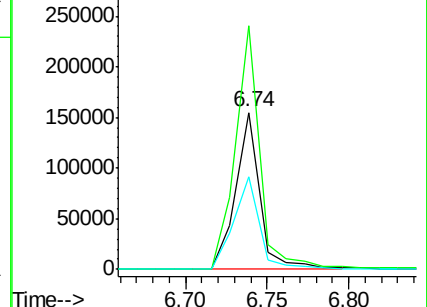
115 58.7 51.5 77.3



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: 142.80 ng

RT: 5.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: BF086684.D

Acq: 4 May 2016 18:45

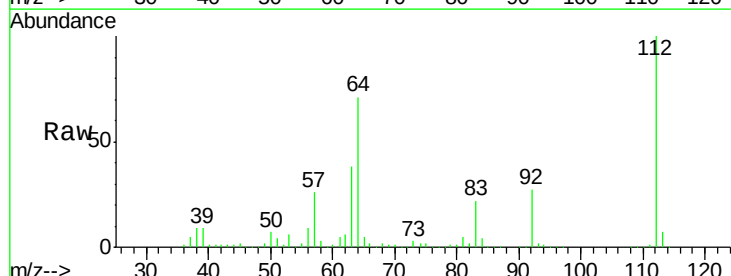
Tgt Ion:112 Resp: 1367493

Ion Ratio Lower Upper

112 100

64 70.7 52.1 78.1

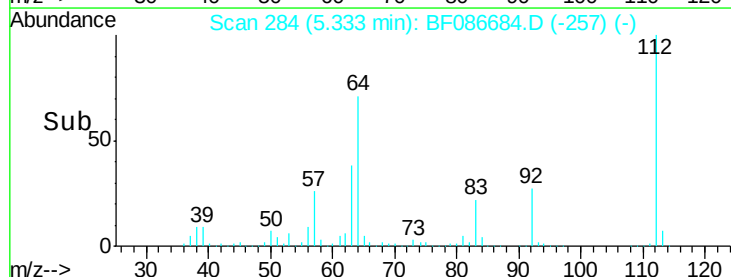
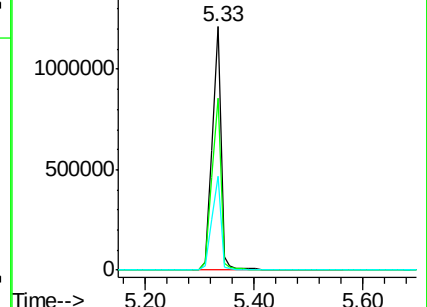
63 38.5 25.7 38.5

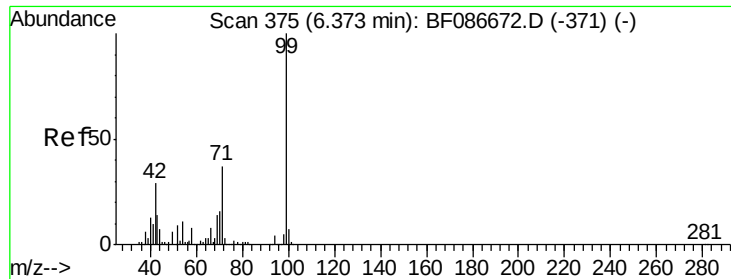


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 142.40 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086684.D

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Instrument :

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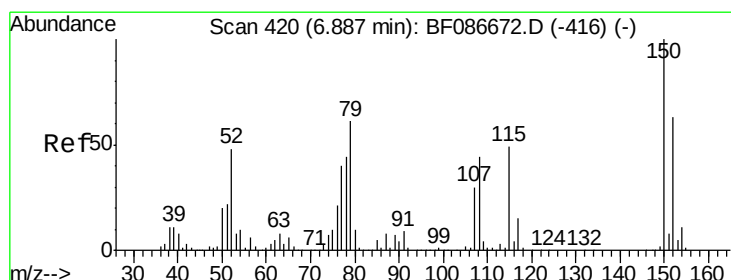
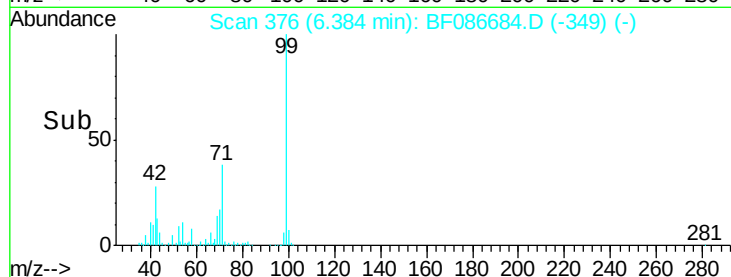
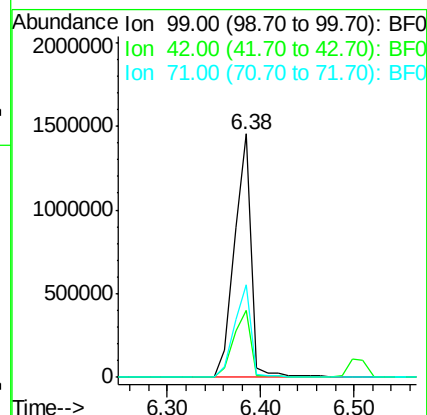
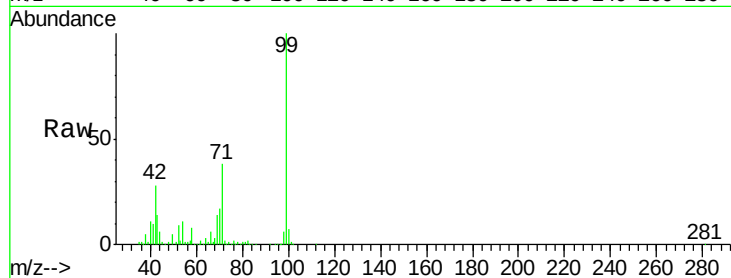
Tgt Ion: 99 Resp: 1836907

Ion Ratio Lower Upper

99 100

42 27.6 13.6 20.4#

71 38.1 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.25 ng

RT: 6.89 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF086684.D

Acq: 4 May 2016 18:45

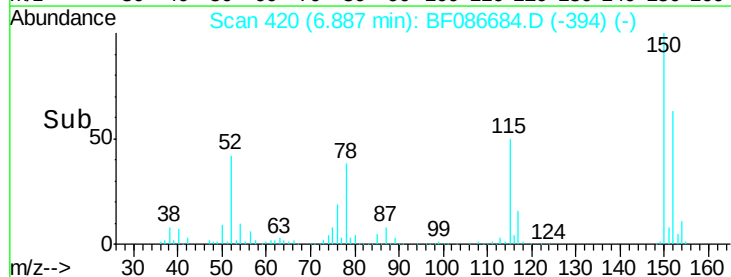
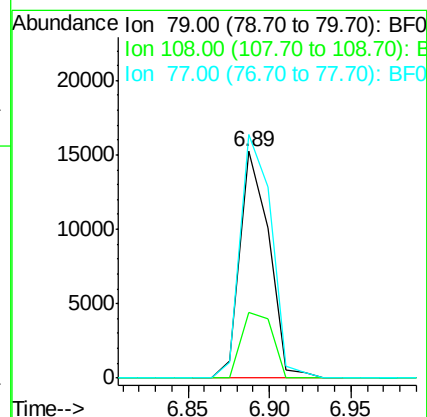
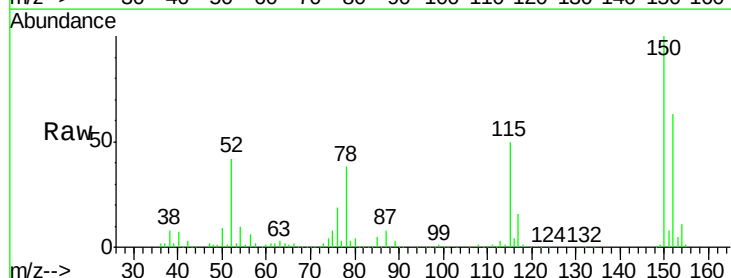
Tgt Ion: 79 Resp: 18807

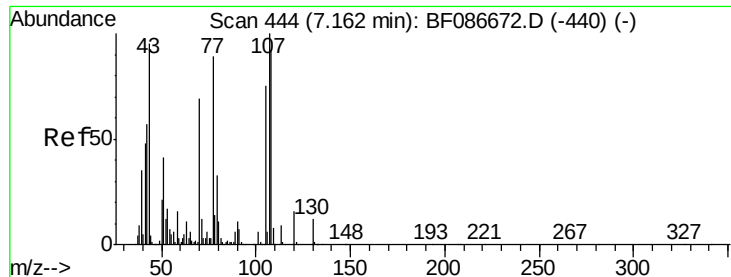
Ion Ratio Lower Upper

79 100

108 28.7 68.4 102.6#

77 107.4 50.6 76.0#

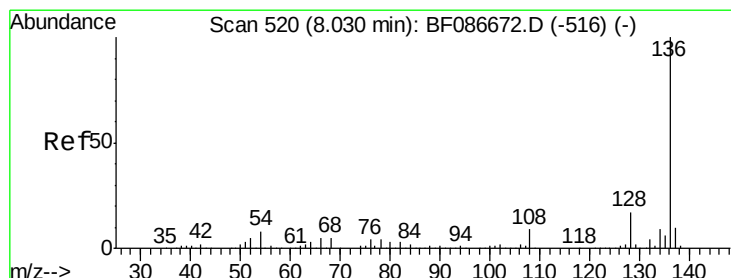
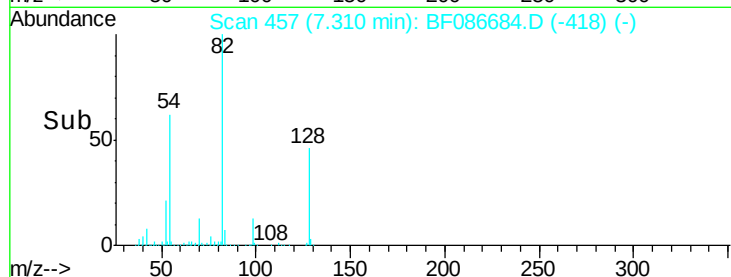
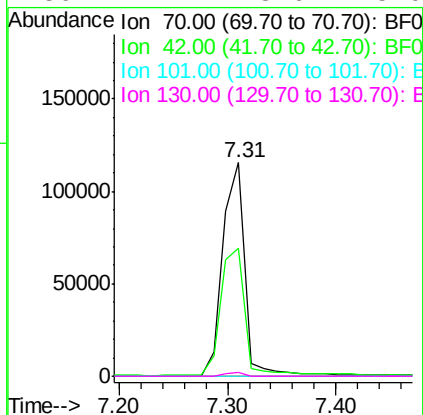
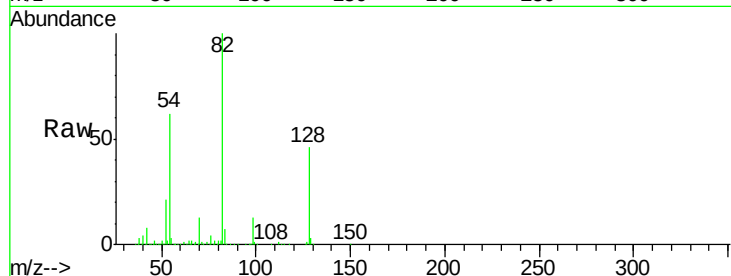




#19
n-Nitroso-di-n-propylamine
Concen: 18.57 ng
RT: 7.31 min Scan# 457
Delta R.T. 0.15 min
Lab File: BF086684.D
Acq: 4 May 2016 18:45

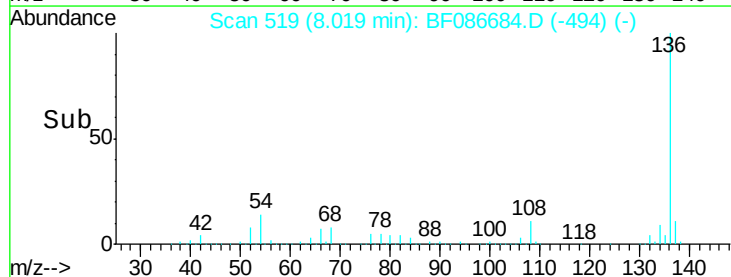
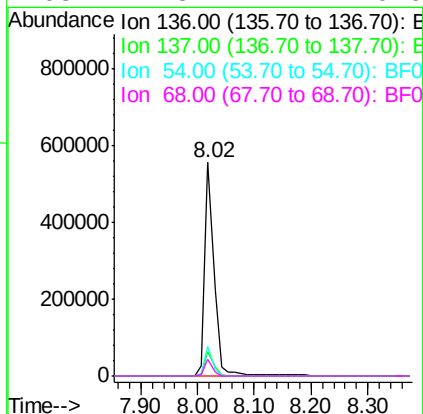
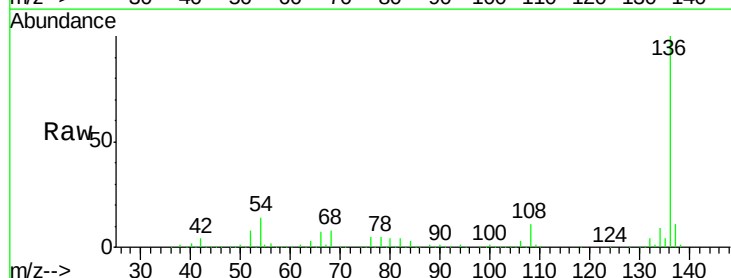
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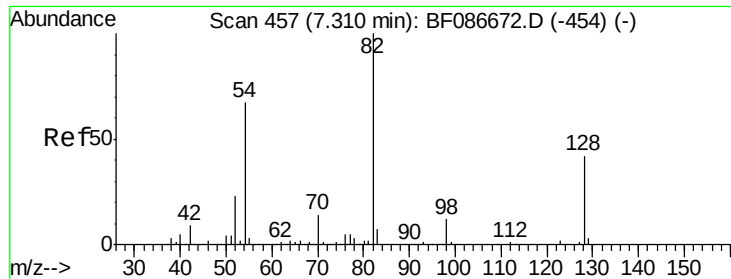
Tgt Ion: 70 Resp: 163692
Ion Ratio Lower Upper
70 100
42 60.2 43.1 64.7
101 0.0 8.1 12.1#
130 2.1 18.6 28.0#



#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF086684.D
Acq: 4 May 2016 18:45

Tgt Ion: 136 Resp: 612410
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 14.0 5.0 7.4#
68 7.8 4.4 6.6#

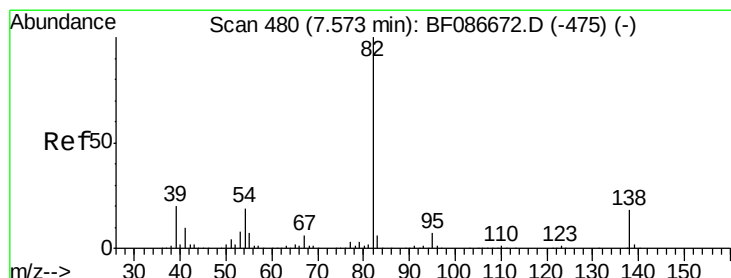
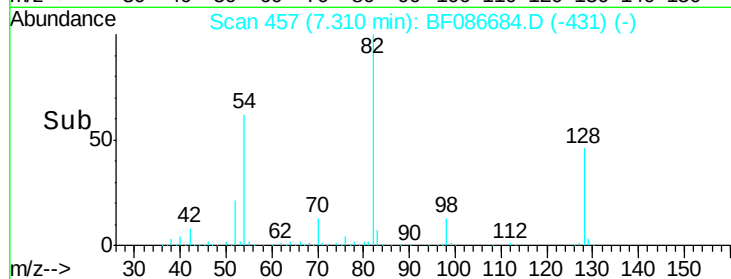
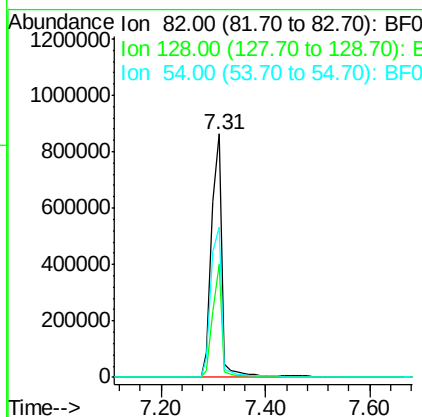
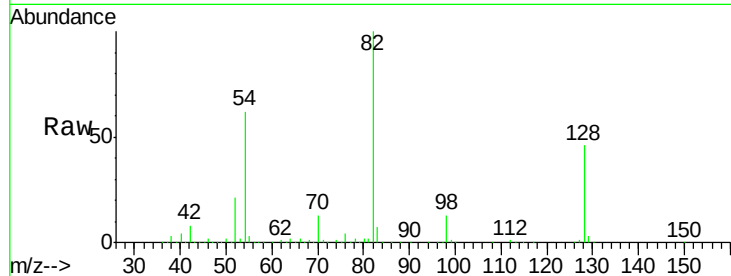




#23
 Nitrobenzene-d5
 Concen: 101.68 ng
 RT: 7.31 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

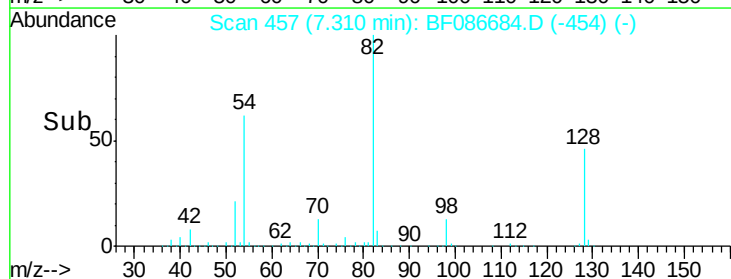
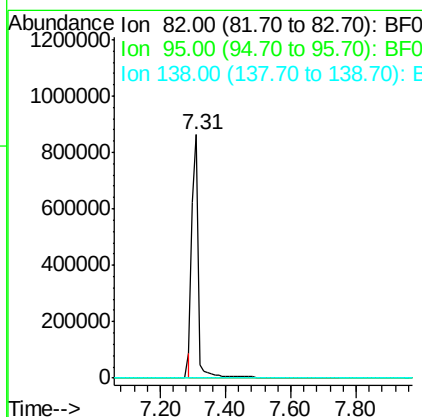
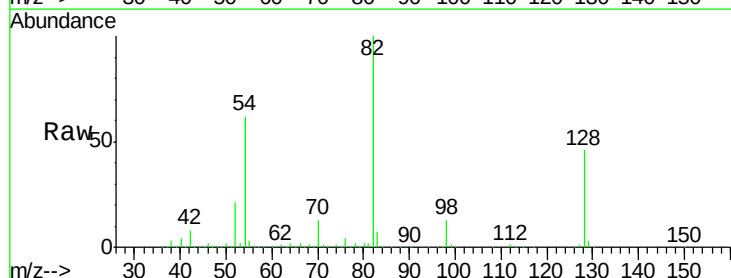
Instrument :
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 ClientSampleId :
 26WARD-5-CS-2(6-12FTBGS)

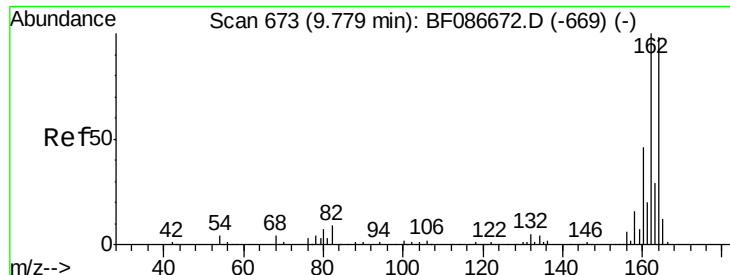
Tgt Ion: 82 Resp: 1211808
 Ion Ratio Lower Upper
 82 100
 128 46.4 40.6 61.0
 54 61.9 38.1 57.1#



#25
 Isophorone
 Concen: 51.34 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.26 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

Tgt Ion: 82 Resp: 1139456
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.1 7.7#
 138 0.0 12.4 18.6#

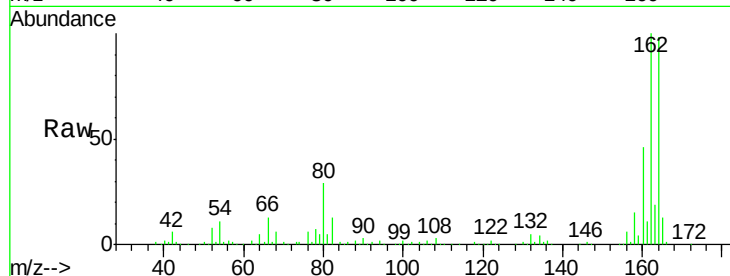




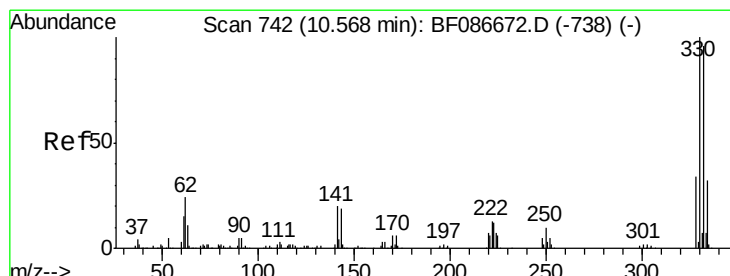
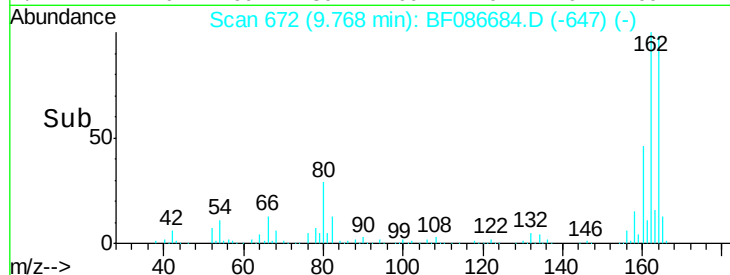
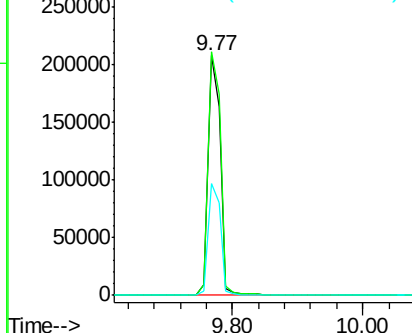
#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:164 Resp: 272489
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.8 124.2
 160 46.5 36.9 55.3

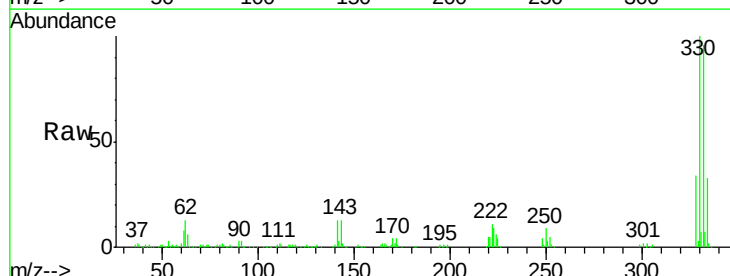


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

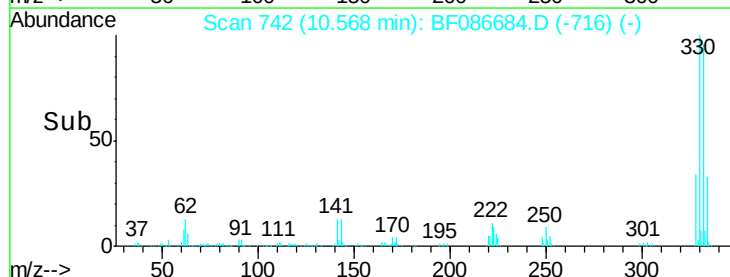
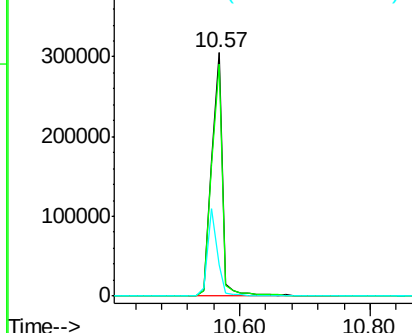


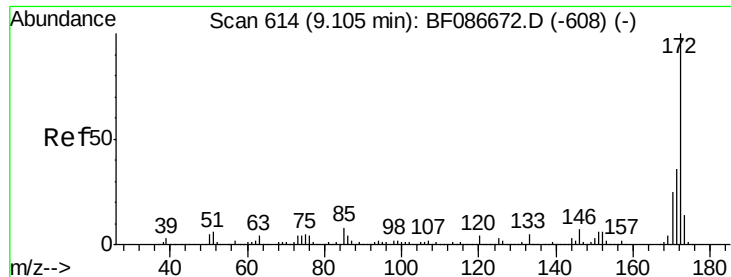
#41
 2,4,6-Tribromophenol
 Concen: 135.48 ng
 RT: 10.57 min Scan# 742
 Delta R.T. 0.00 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

Tgt Ion:330 Resp: 361144
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 32.8 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

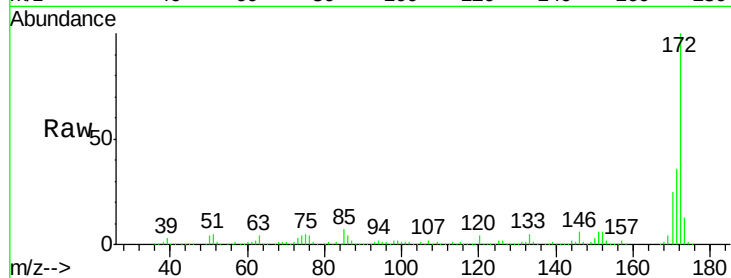




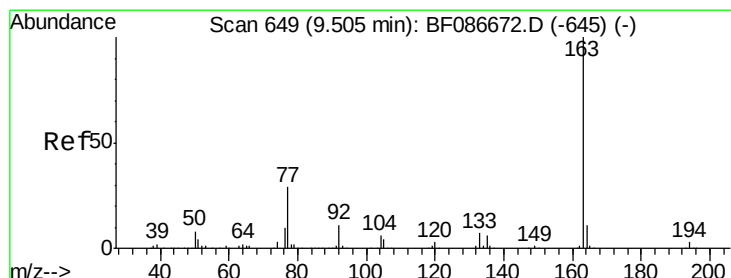
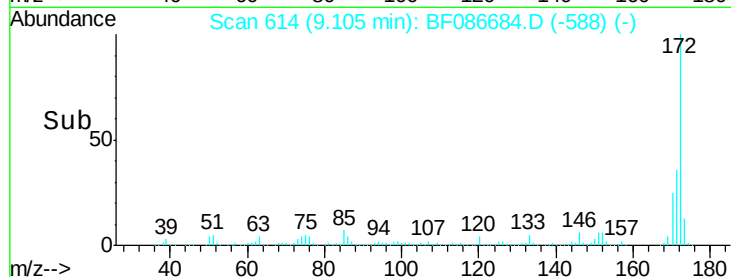
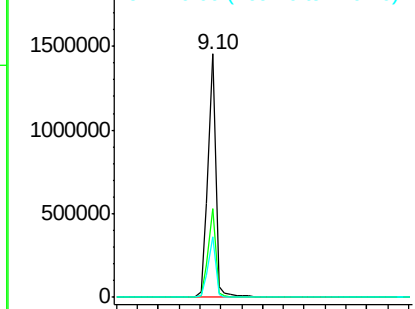
#44
 2-Fluorobiphenyl
 Concen: 91.79 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

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Tgt Ion:172 Resp: 1525884
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.7 19.8 29.8

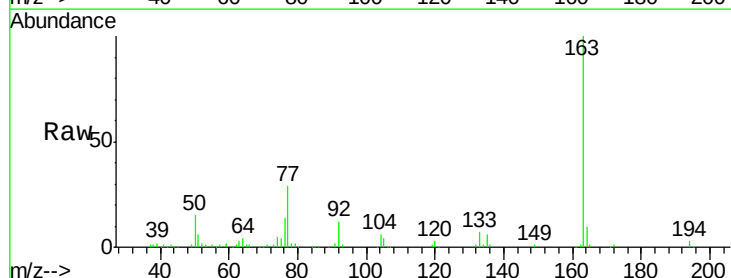


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

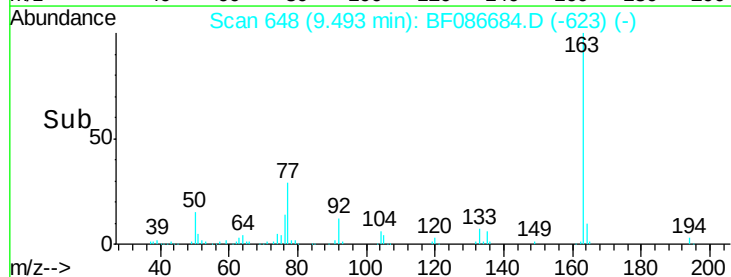
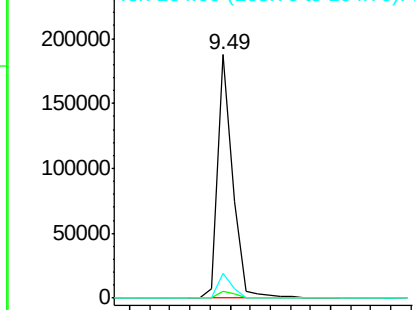


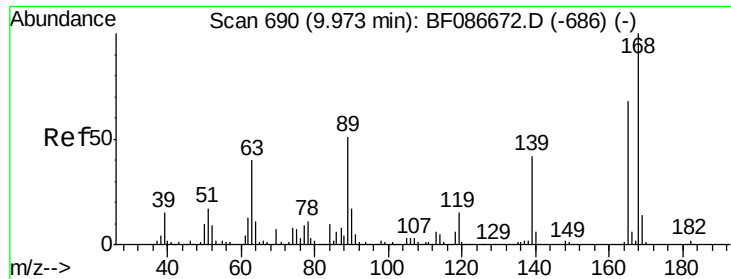
#49
 Dimethylphthalate
 Concen: 9.60 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

Tgt Ion:163 Resp: 195109
 Ion Ratio Lower Upper
 163 100
 194 2.8 2.6 4.0
 164 10.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
 250000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

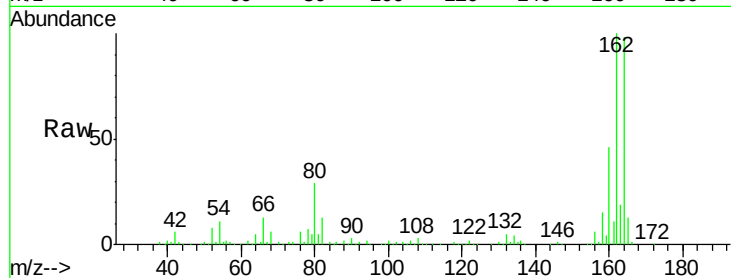




#56
 2,4-Dinitrotoluene
 Concen: 6.47 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.21 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	44.3	66.5#
89	2.1	70.0	105.0#
182	0.0	1.8	2.6#

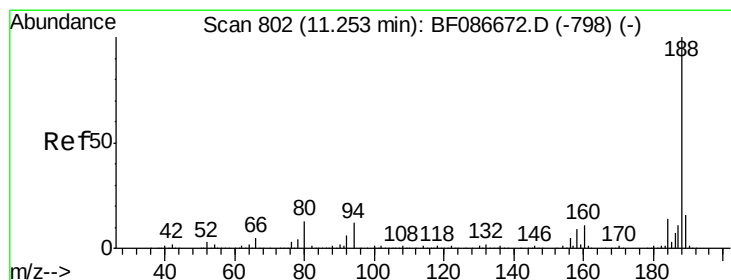
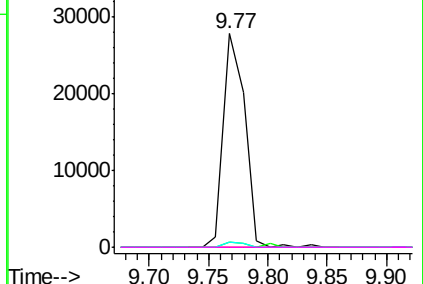
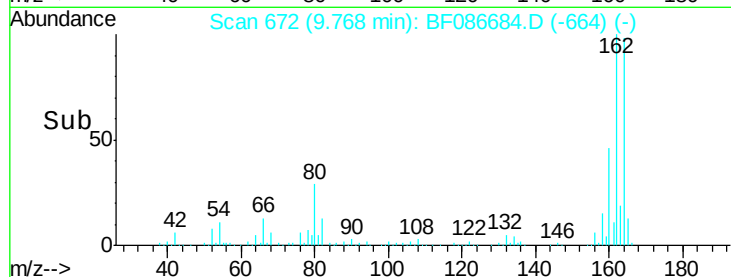


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

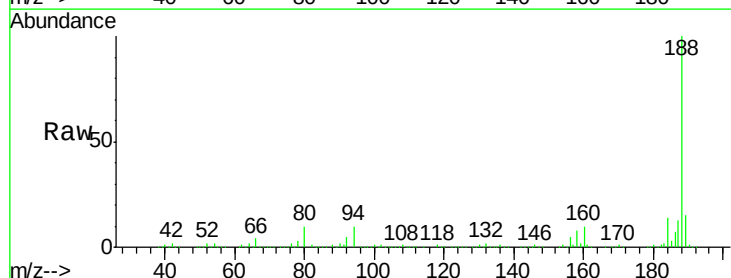
Ion 89.00 (88.70 to 89.70): BF0

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: BF086684.D
 Acq: 4 May 2016 18:45

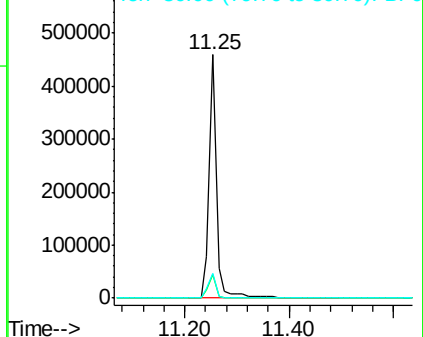
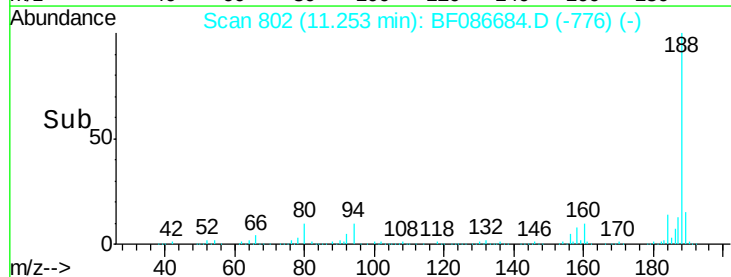
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	6.8	10.2
80	9.9	7.1	10.7

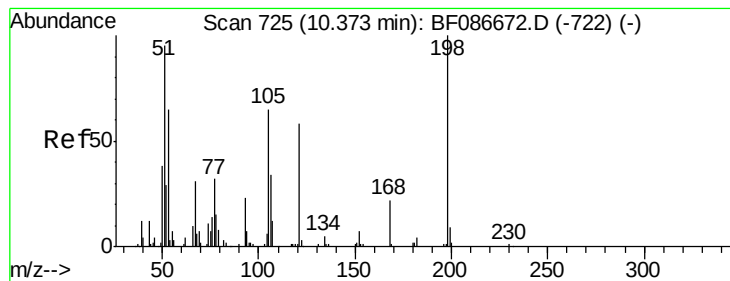


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.57 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.18 min

Lab File: BF086684.D

Acq: 4 May 2016 18:45

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-2(6-12FTBGS)

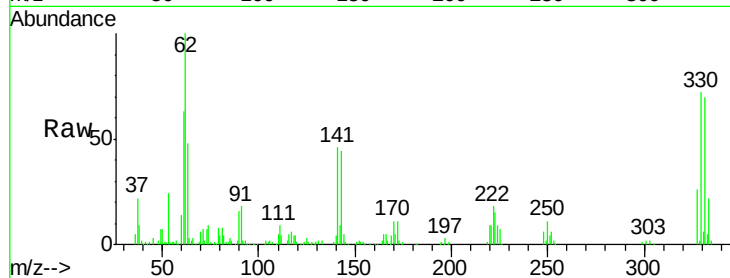
Tgt Ion:198 Resp: 716

Ion Ratio Lower Upper

198 100

51 350.9 20.5 60.5#

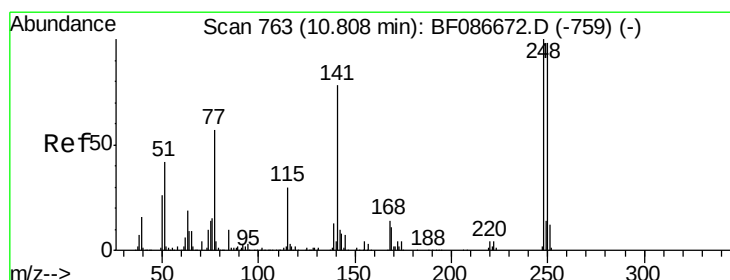
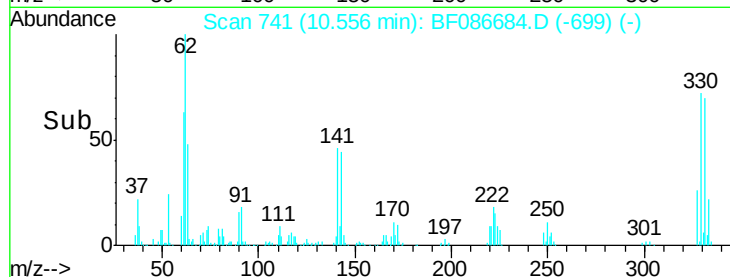
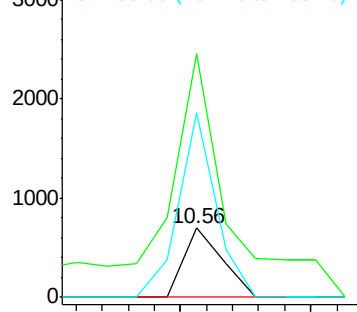
105 265.6 24.5 64.5#



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: 4.45 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF086684.D

Acq: 4 May 2016 18:45

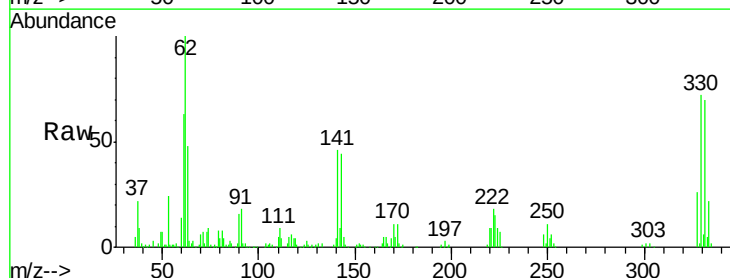
Tgt Ion:248 Resp: 19998

Ion Ratio Lower Upper

248 100

250 197.6 78.6 117.8#

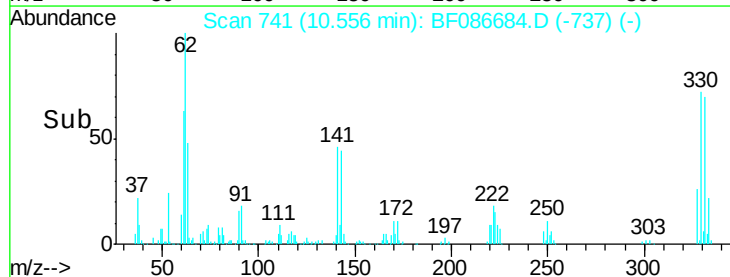
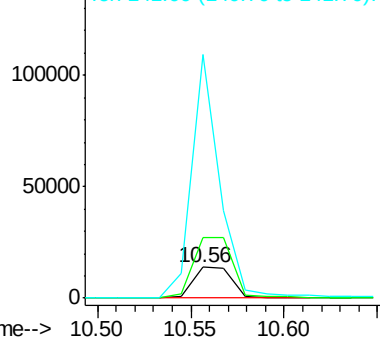
141 797.5 76.0 114.0#

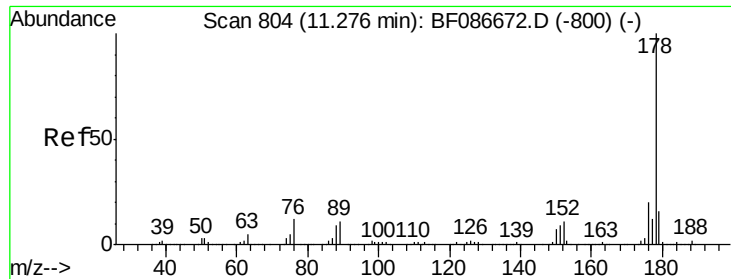


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

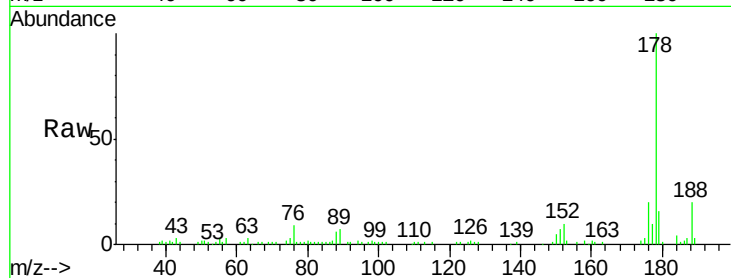




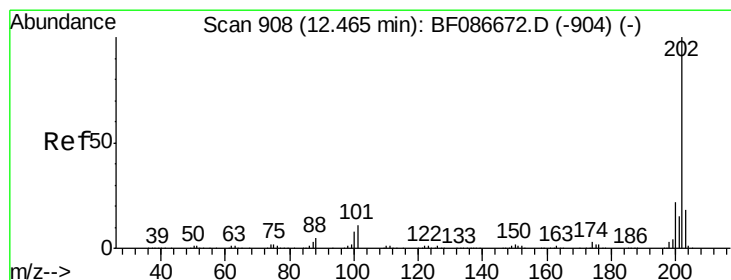
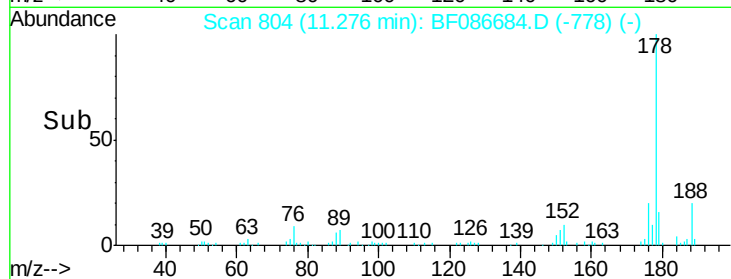
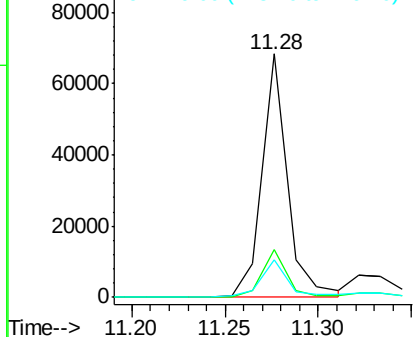
#70
Phenanthrene
Concen: 2.64 ng
RT: 11.28 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF086684.D
Acq: 4 May 2016 18:45

Instrument :
BNA_F
ClientSampleId :
26WARD-5-CS-2(6-12FTBGS)

Tgt Ion:178 Resp: 64189
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.6 12.6 18.8

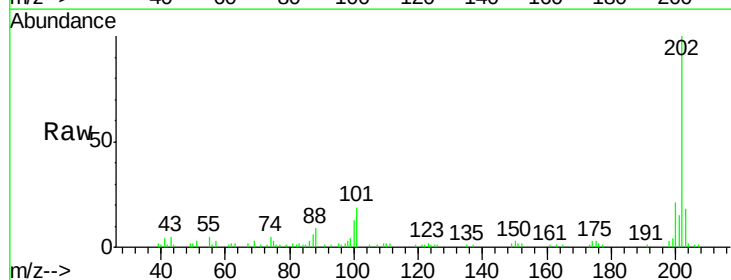


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

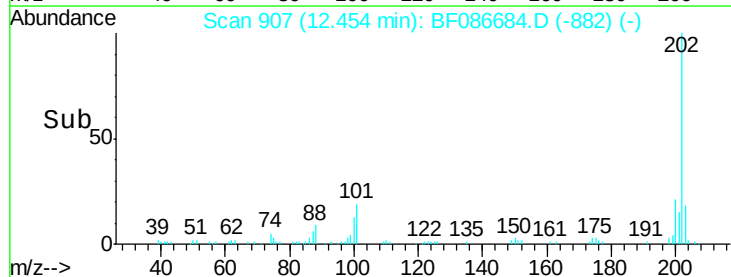
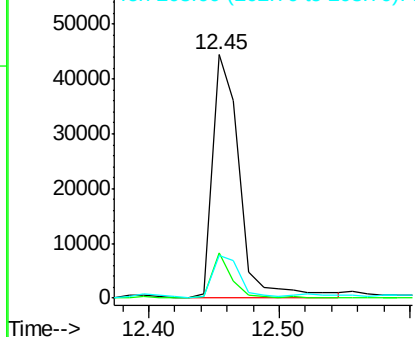


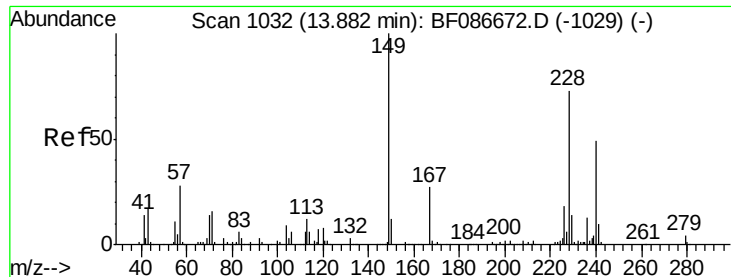
#74
Fluoranthene
Concen: 2.66 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF086684.D
Acq: 4 May 2016 18:45

Tgt Ion:202 Resp: 64639
Ion Ratio Lower Upper
202 100
101 18.8 0.0 35.4
203 17.6 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: BF086684.D

Acq: 4 May 2016 18:45

Instrument :

BNA_F

ClientSampleId :

26WARD-5-CS-2(6-12FTBGS)

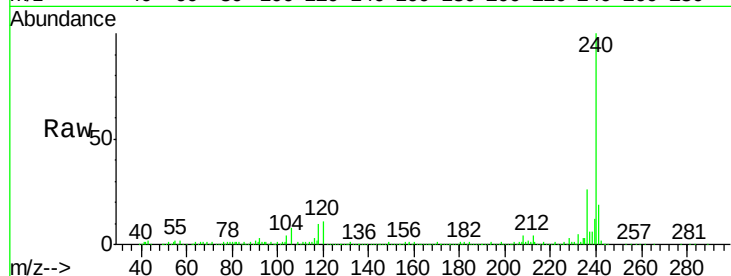
Tgt Ion:240 Resp: 337925

Ion Ratio Lower Upper

240 100

120 10.8 11.2 16.8#

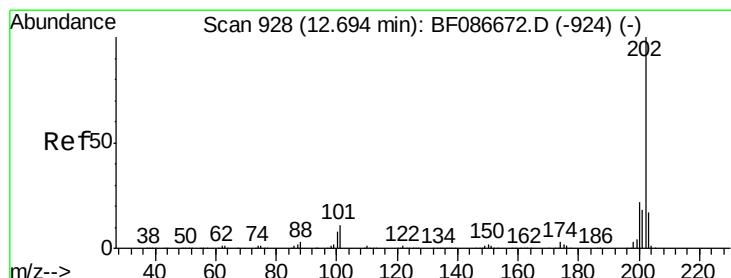
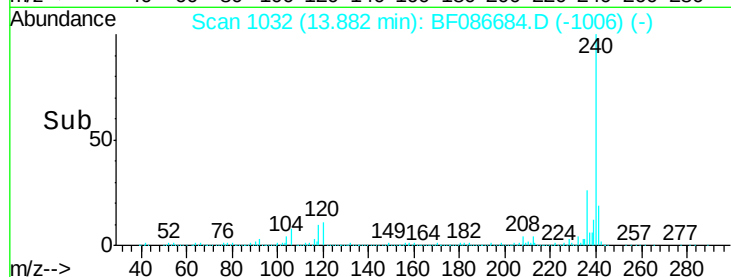
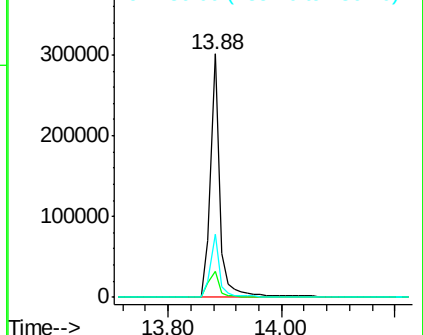
236 25.9 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.34 ng

RT: 12.68 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF086684.D

Acq: 4 May 2016 18:45

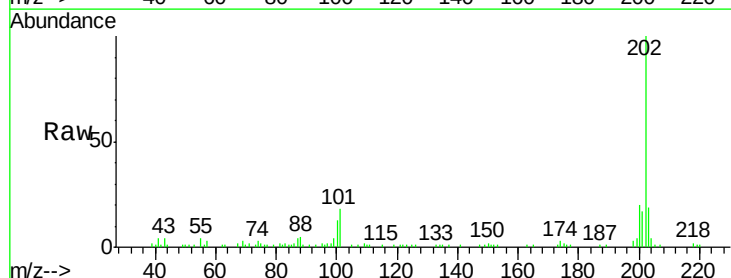
Tgt Ion:202 Resp: 63151

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

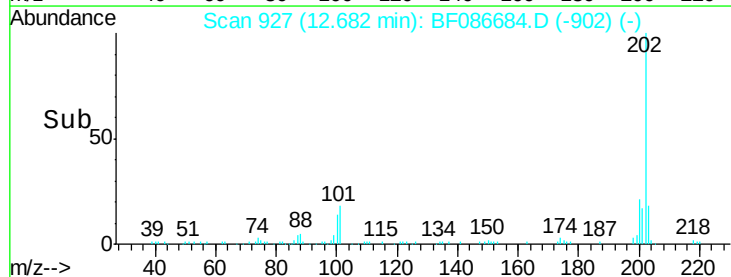
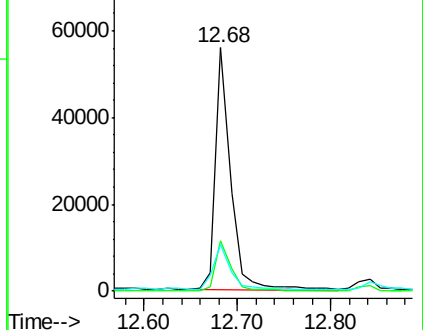
203 19.2 14.2 21.4

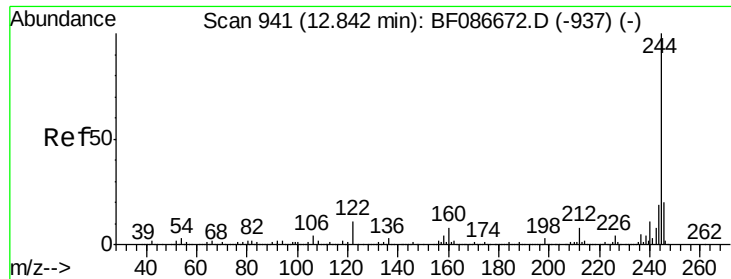


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

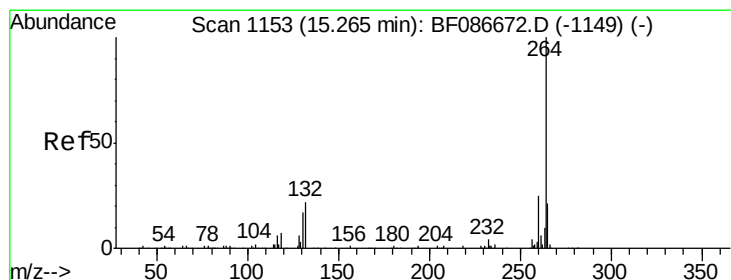
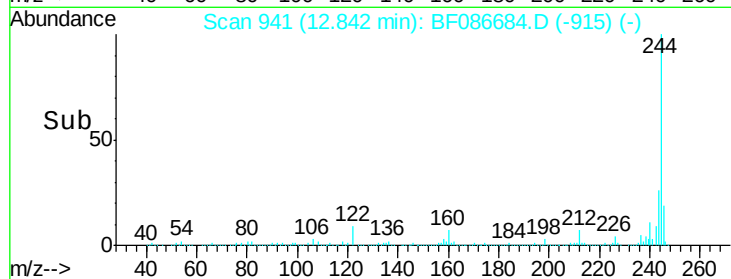
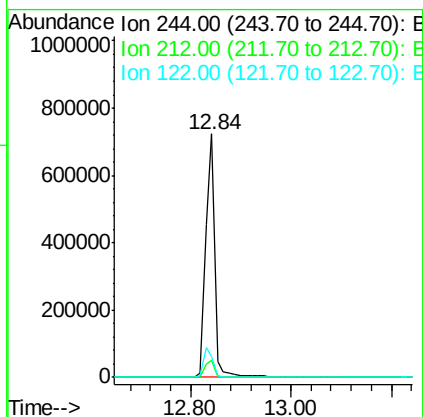
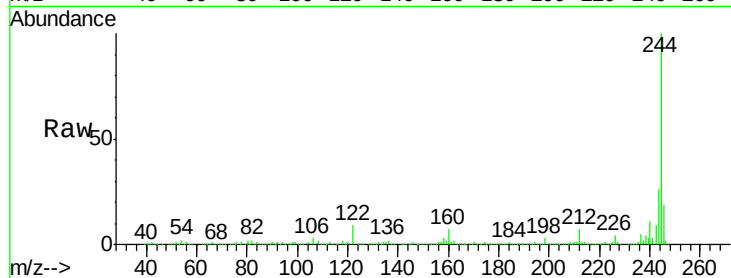




#78
 Terphenyl-d14
 Concen: 54.12 ng
 RT: 12.84 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

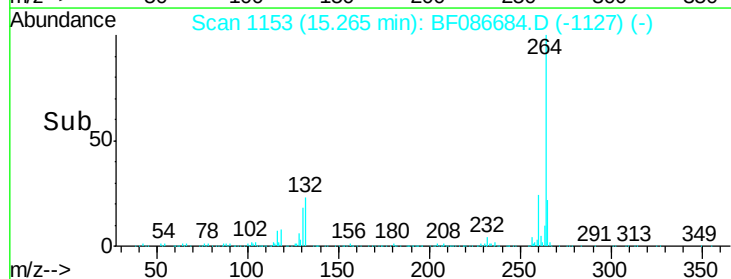
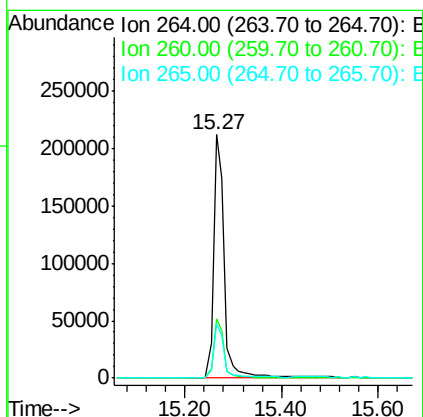
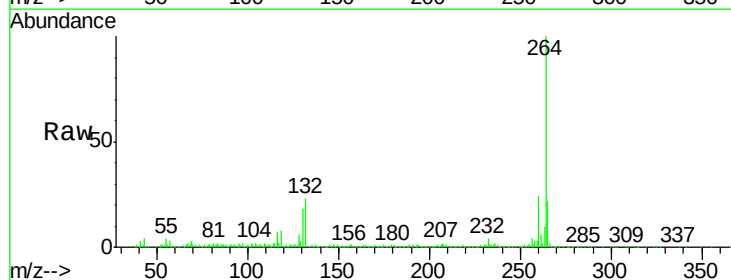
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-5-CS-2(6-12FTBGS)

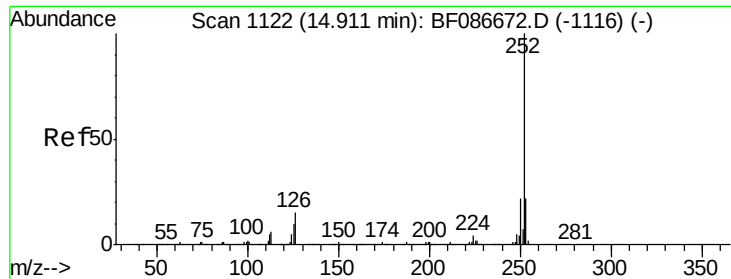
Tgt Ion:244 Resp: 905001
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 8.7 12.0 18.0#



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.27 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BF086684.D
 Acq: 4 May 2016 18:45

Tgt Ion:264 Resp: 338790
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.5 29.3
 265 22.1 17.3 25.9

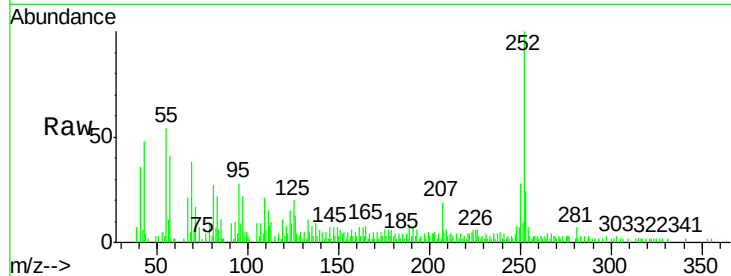




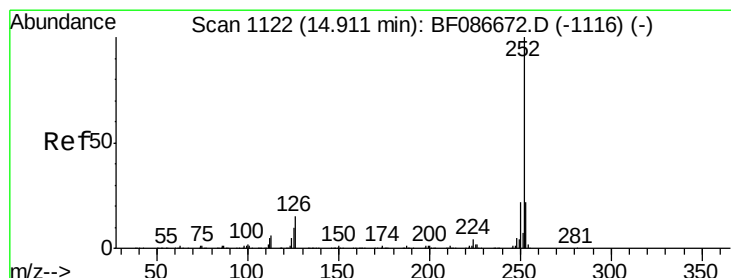
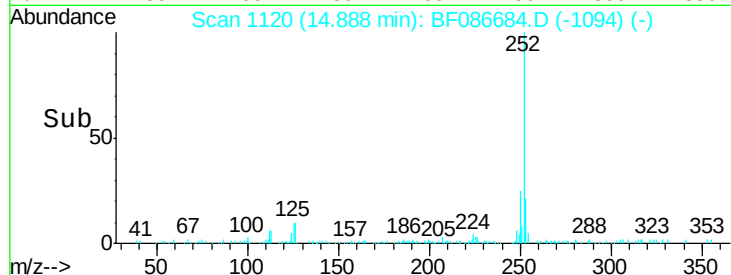
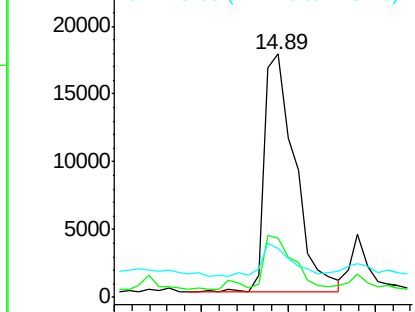
#87
Benzo(b)fluoranthene
Concen: 2.08 ng
RT: 14.89 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BF086684.D
Acq: 4 May 2016 18:45

Instrument :
BNA_F
ClientSampleId :
26WARD-5-CS-2(6-12FTBGS)

Tgt Ion:252 Resp: 42406
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 20.0 11.4 17.0#

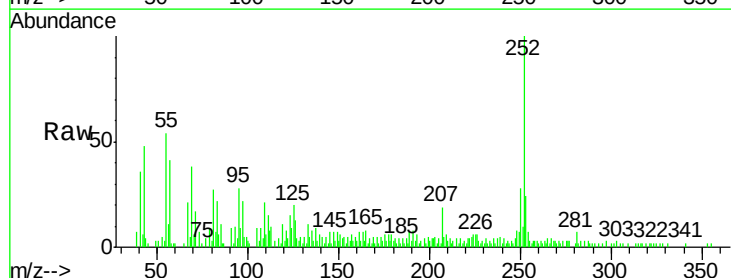


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 2.21 ng
RT: 14.89 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF086684.D
Acq: 4 May 2016 18:45

Tgt Ion:252 Resp: 42406
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 20.0 9.1 13.7#



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

