

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086681.D
 Acq On : 4 May 2016 17:19
 Operator : UM/SJ
 Sample : H2654-17RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-4(0-6FTBGS)RE

Quant Time: May 05 00:56:25 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

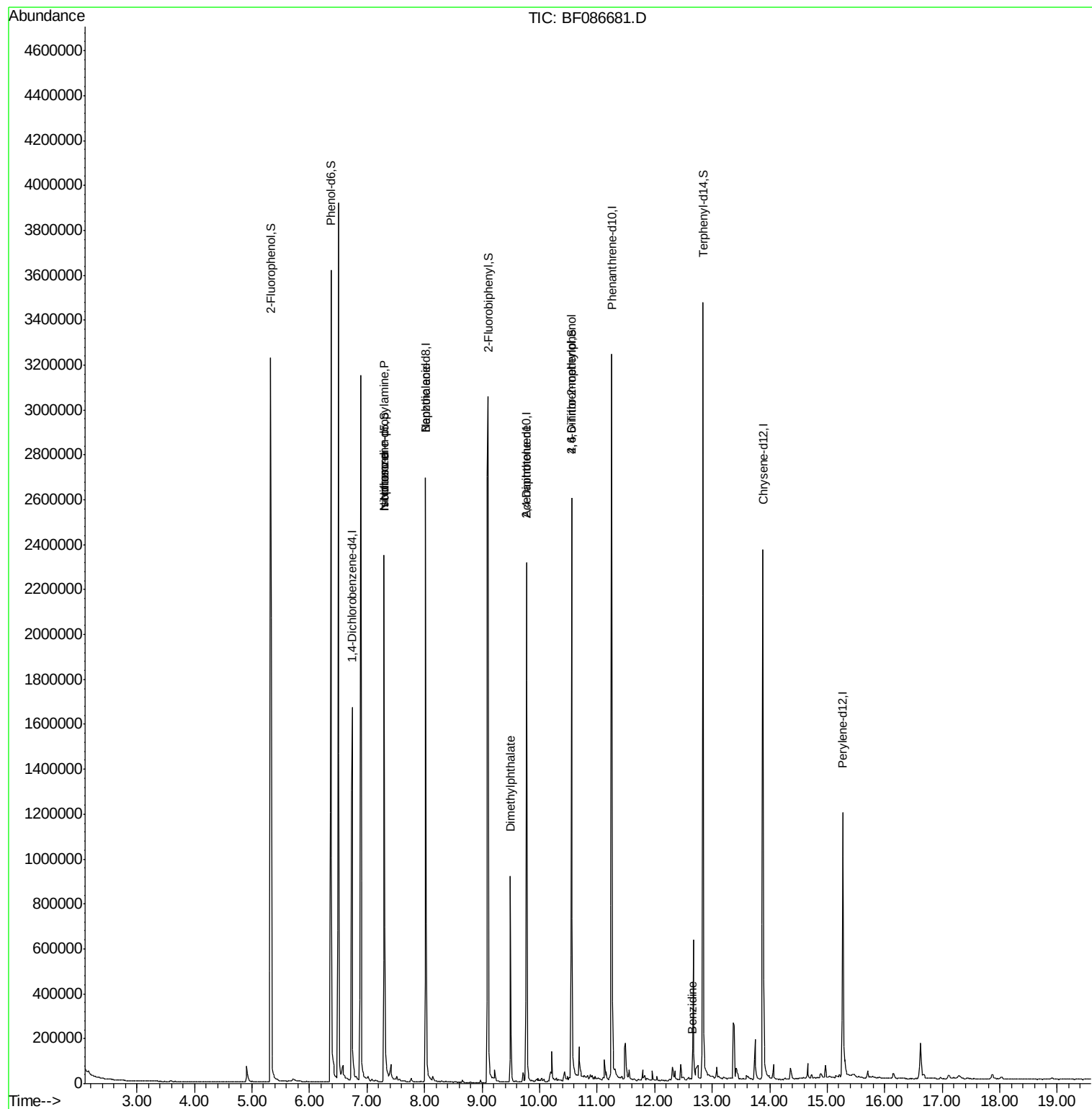
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	328667	40.00	ng	0.00
21) Naphthalene-d8	8.02	136	1268534	40.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	636676	40.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	1210489	40.00	ng	0.00
75) Chrysene-d12	13.88	240	907424	40.00	ng	0.00
86) Perylene-d12	15.27	264	679412	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1089532	54.88	ng	0.00
7) Phenol-d6	6.37	99	1330439	49.75	ng	0.00
23) Nitrobenzene-d5	7.30	82	872412	35.34	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	320775	51.50	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1464437	37.70	ng	0.00
78) Terphenyl-d14	12.84	244	1356128	30.20	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	117228	6.42	ng	# 72
25) Isophorone	7.30	82	719770	15.66	ng	# 68
32) Benzoic acid	8.02	122	258	8.44	ng	# 1
49) Dimethylphthalate	9.49	163	367059	7.73	ng	100
56) 2,4-Dinitrotoluene	9.77	165	80083	6.34	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.56	198	579	5.32	ng	# 1
76) Benzidine	12.65	184	799	7.12	ng	# 64

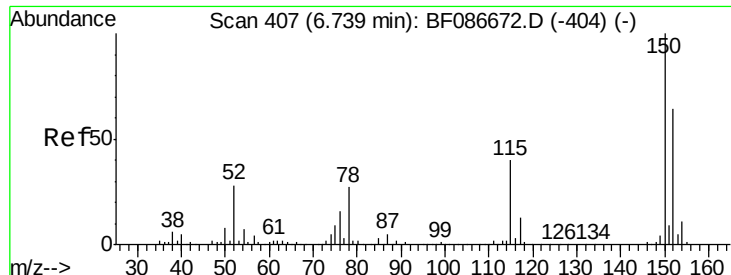
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086681.D

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Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-4(0-6FTBGS)RE

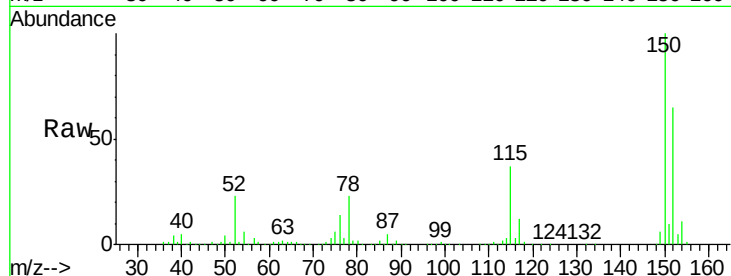
Tgt Ion:152 Resp: 328667

Ion Ratio Lower Upper

152 100

150 154.7 125.8 188.6

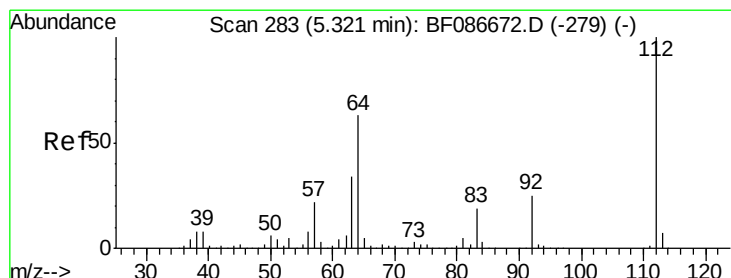
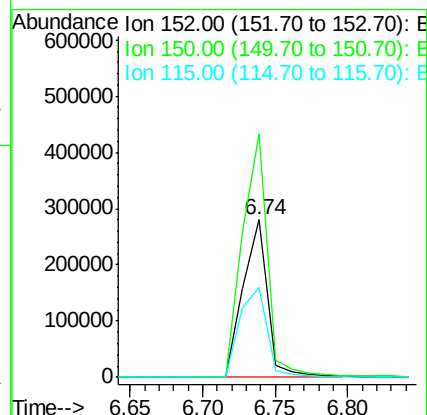
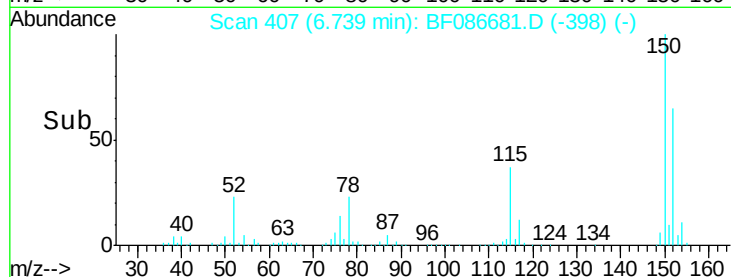
115 57.1 51.5 77.3



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: 54.88 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

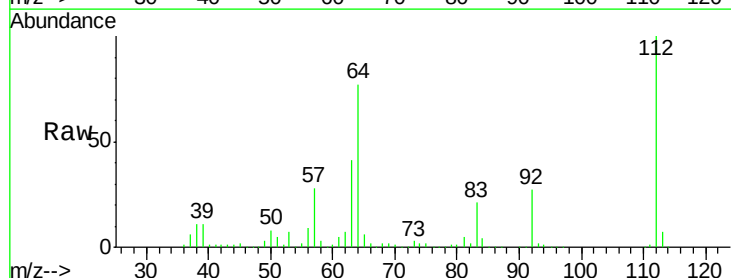
Tgt Ion:112 Resp: 1089532

Ion Ratio Lower Upper

112 100

64 76.6 52.1 78.1

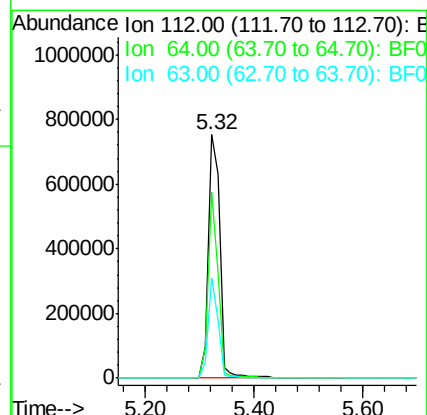
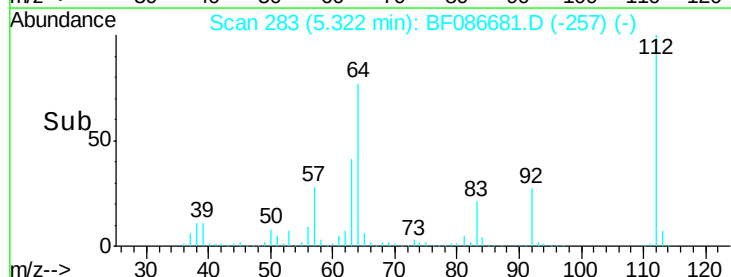
63 41.1 25.7 38.5

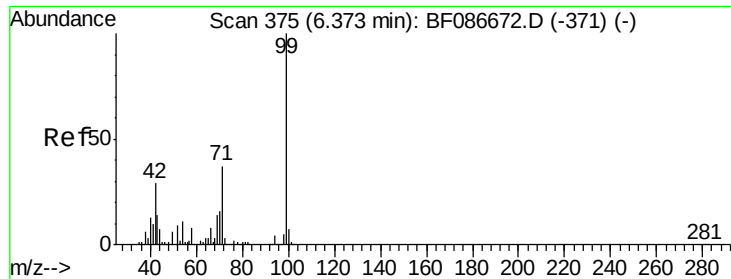


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 49.75 ng

RT: 6.37 min Scan# 375

Delta R.T. 0.00 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-4(0-6FTBGS)RE

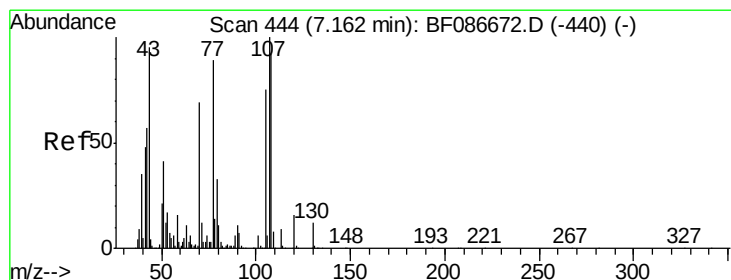
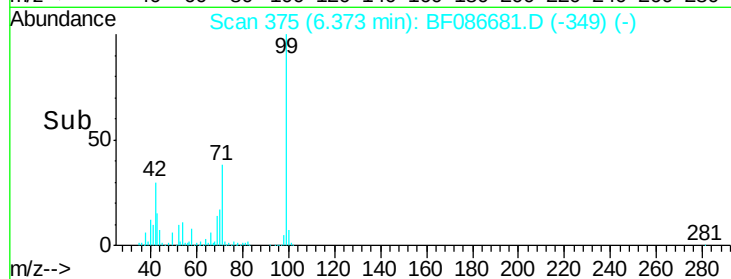
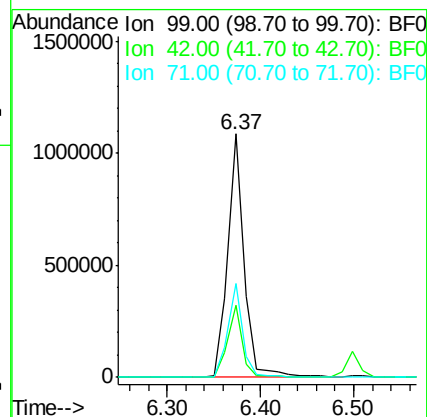
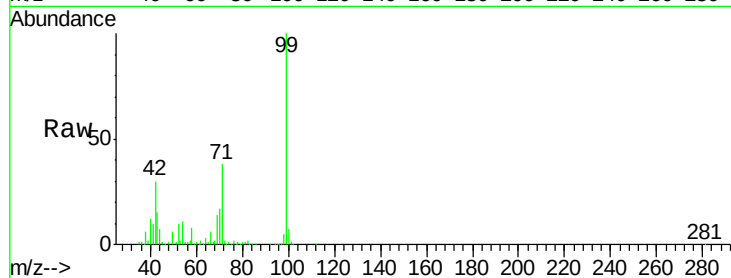
Tgt Ion: 99 Resp: 1330439

Ion Ratio Lower Upper

99 100

42 29.9 13.6 20.4#

71 38.3 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 6.42 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.14 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

Tgt Ion: 70 Resp: 117228

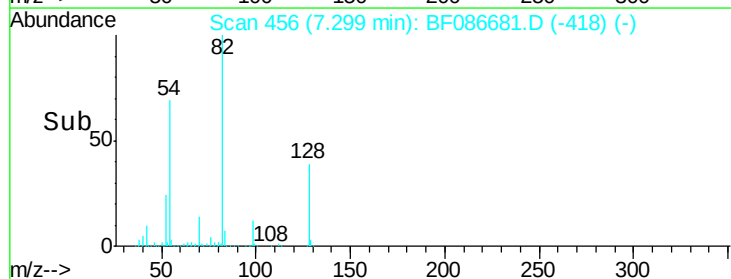
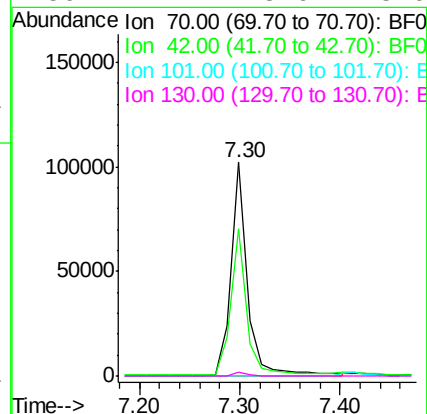
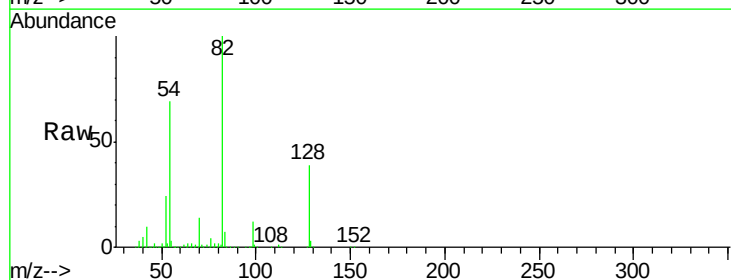
Ion Ratio Lower Upper

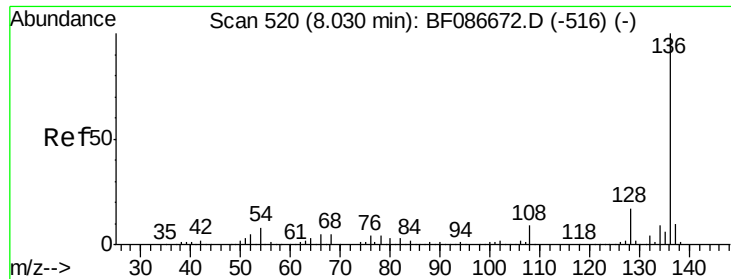
70 100

42 69.1 43.1 64.7#

101 0.0 8.1 12.1#

130 2.1 18.6 28.0#

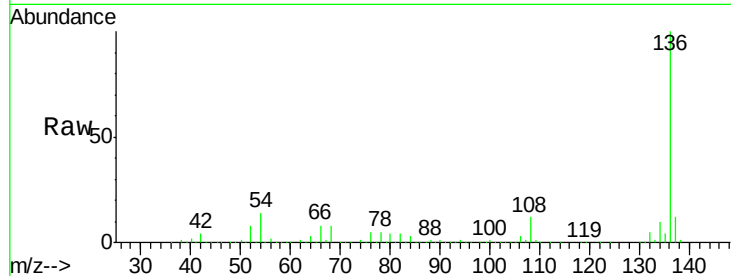




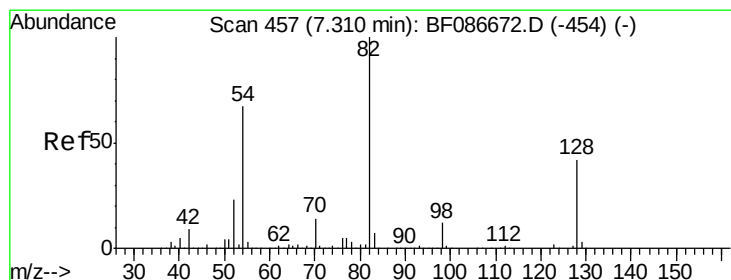
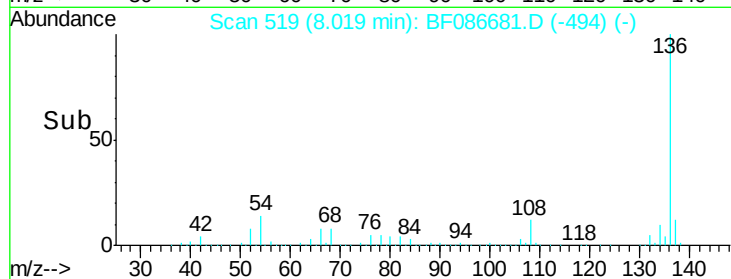
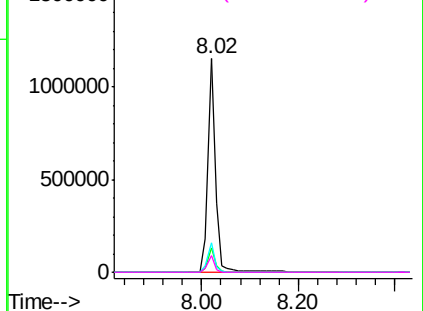
#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF086681.D
Acq: 4 May 2016 17:19

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-4(0-6FTBGS)RE

Tgt Ion:136 Resp: 1268534
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 14.0 5.0 7.4#
68 7.8 4.4 6.6#

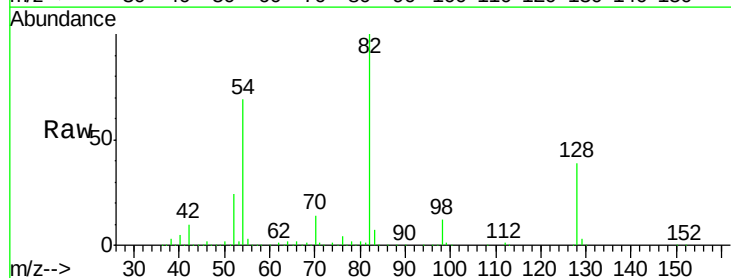


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

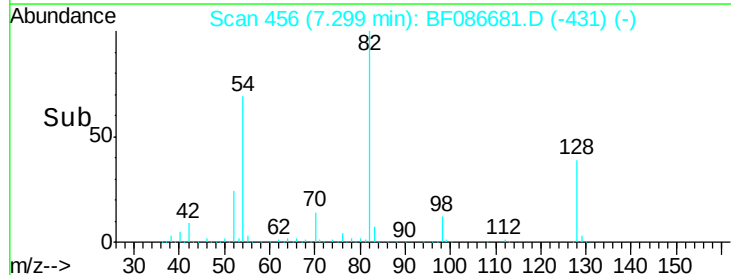
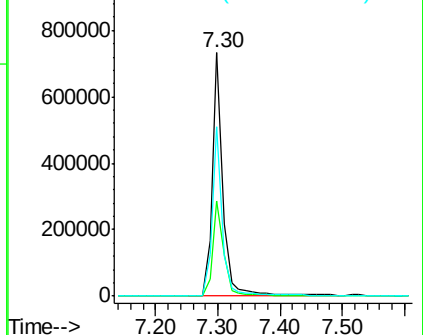


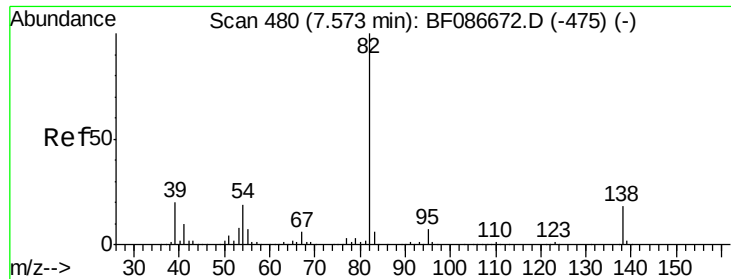
#23
Nitrobenzene-d5
Concen: 35.34 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086681.D
Acq: 4 May 2016 17:19

Tgt Ion: 82 Resp: 872412
Ion Ratio Lower Upper
82 100
128 39.0 40.6 61.0#
54 69.5 38.1 57.1#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 15.66 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.27 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-4(0-6FTBGS)RE

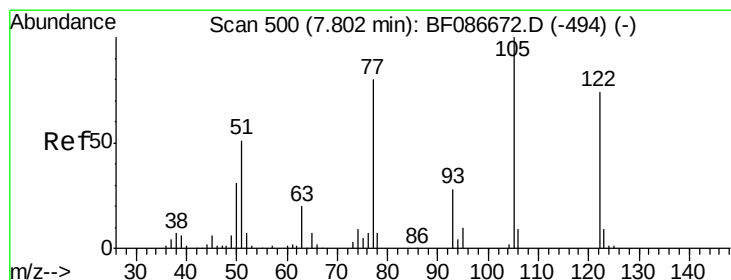
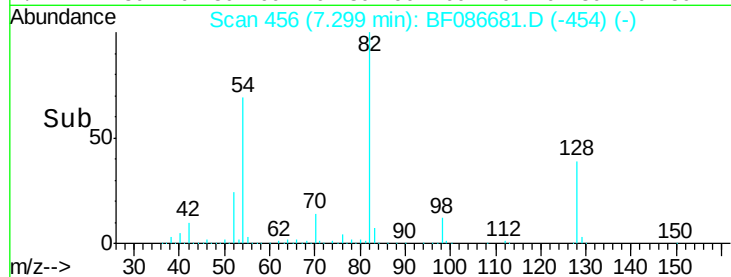
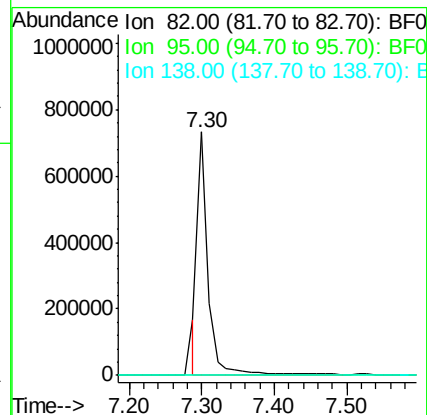
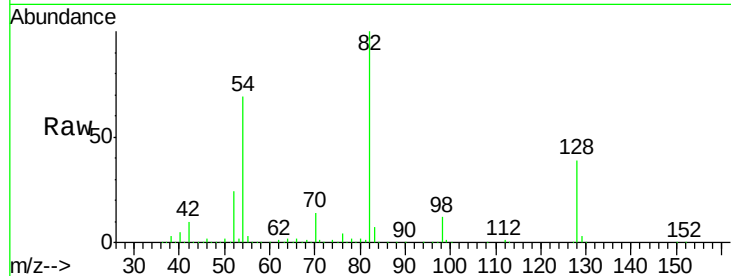
Tgt Ion: 82 Resp: 719770

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#



#32

Benzoic acid

Concen: 8.44 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.22 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

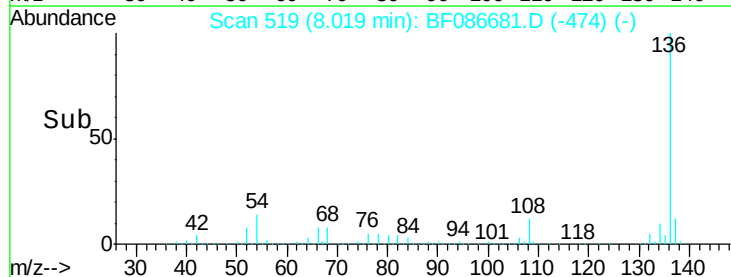
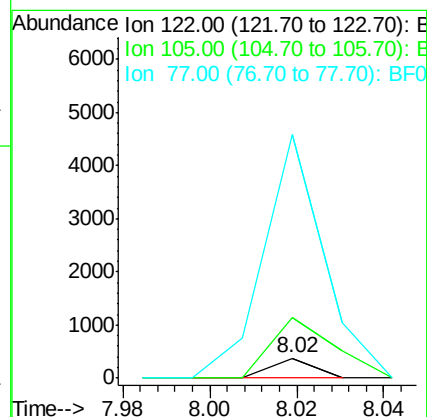
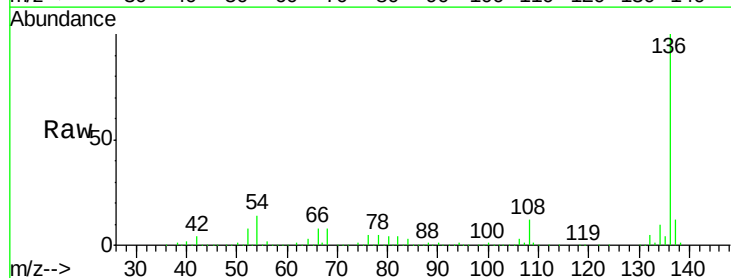
Tgt Ion: 122 Resp: 258

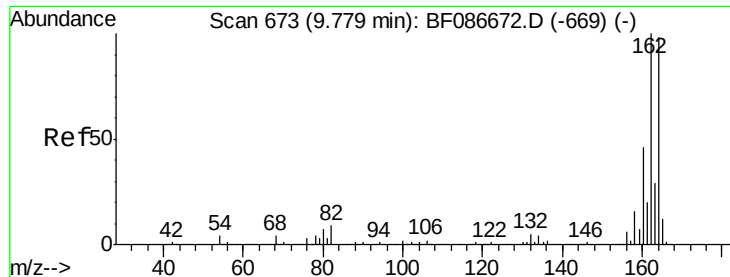
Ion Ratio Lower Upper

122 100

105 301.1 92.6 132.6#

77 1215.6 60.0 100.0#





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

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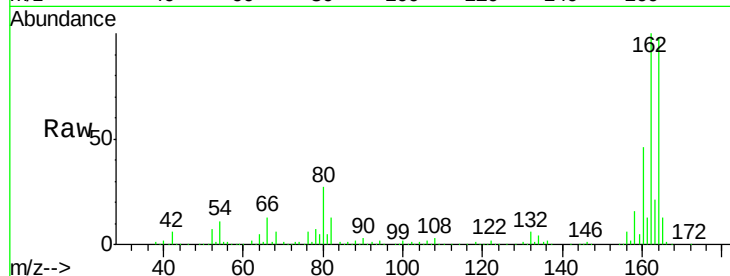
Tgt Ion:164 Resp: 636676

Ion Ratio Lower Upper

164 100

162 102.4 82.8 124.2

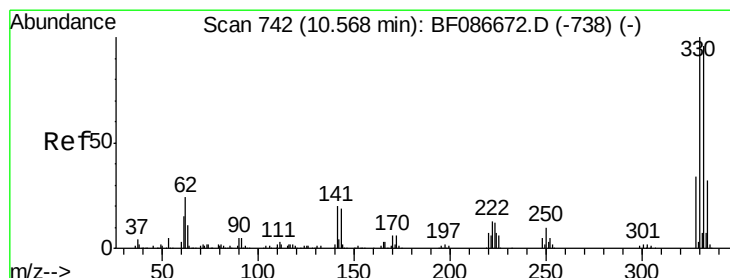
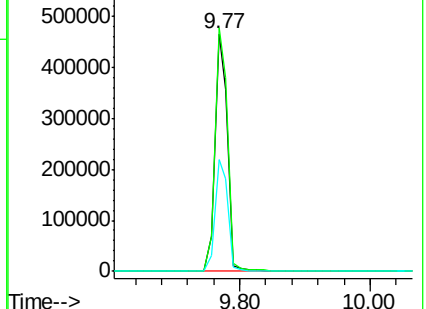
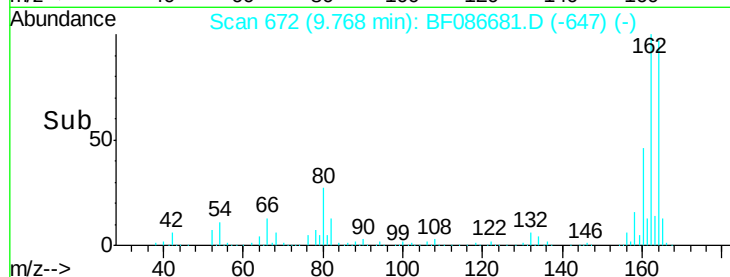
160 46.9 36.9 55.3



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: 51.50 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

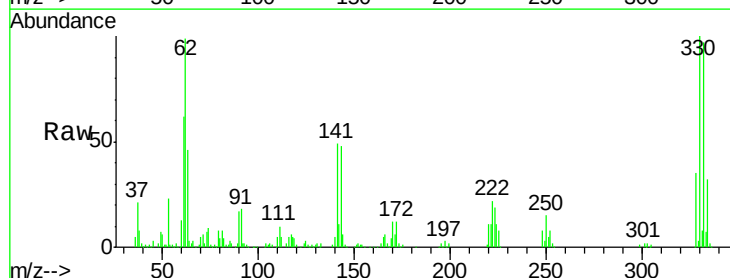
Tgt Ion:330 Resp: 320775

Ion Ratio Lower Upper

330 100

332 96.8 79.0 118.4

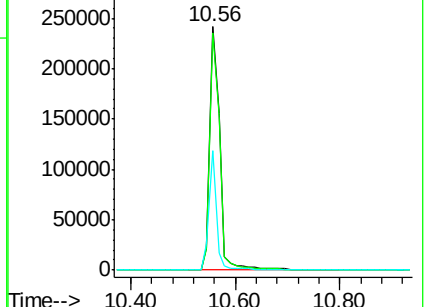
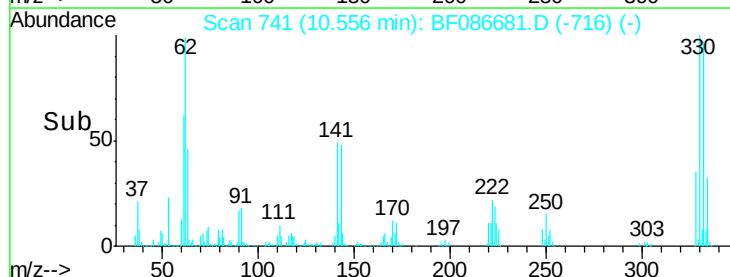
141 37.5 31.2 46.8

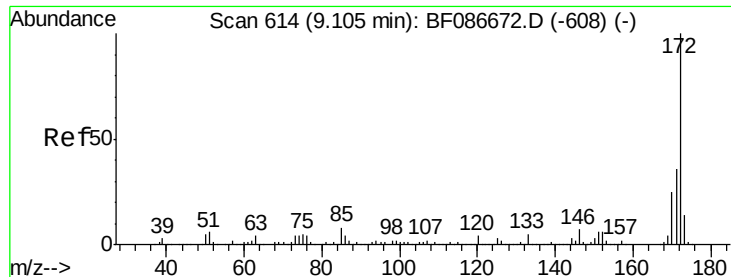


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

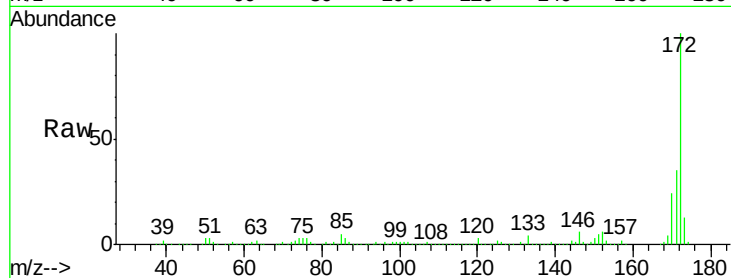




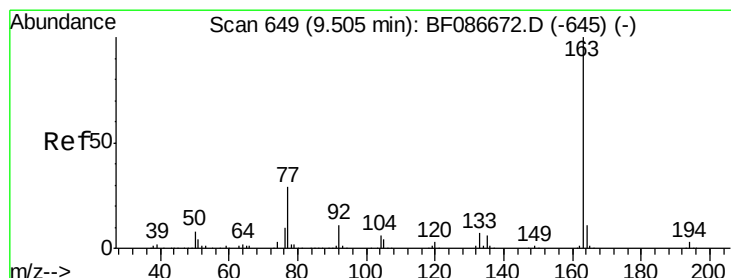
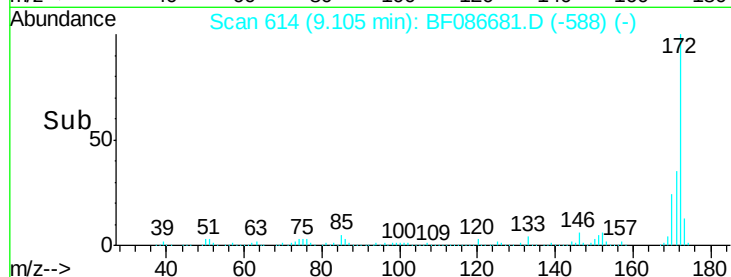
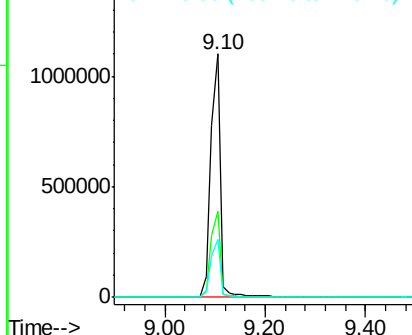
#44
 2-Fluorobiphenyl
 Concen: 37.70 ng
 RT: 9.10 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF086681.D
 Acq: 4 May 2016 17:19

Instrument :
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 26WARD-2A-CS-4(0-6FTBGS)RE

Tgt Ion:172 Resp: 1464437
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.0 43.6
 170 24.1 19.8 29.8

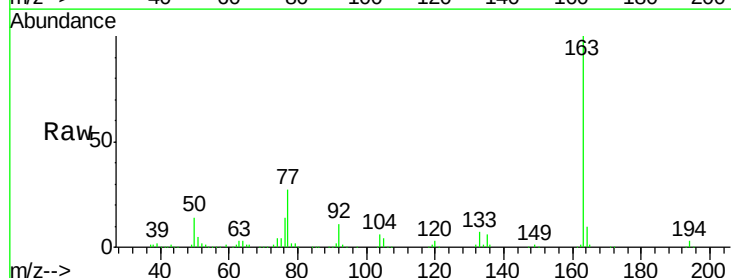


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

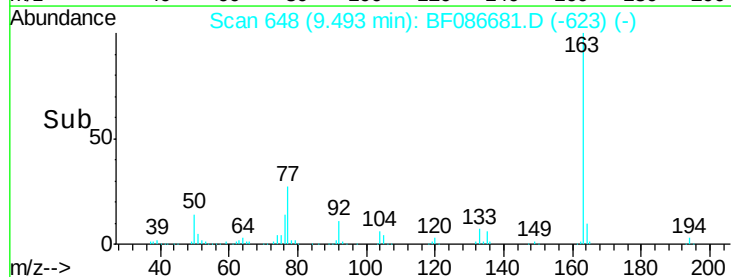
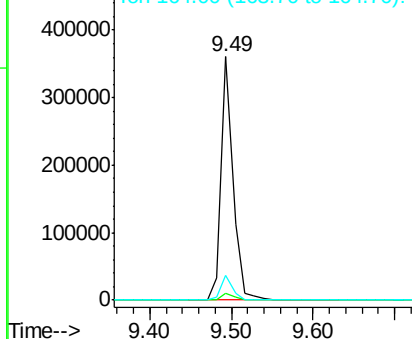


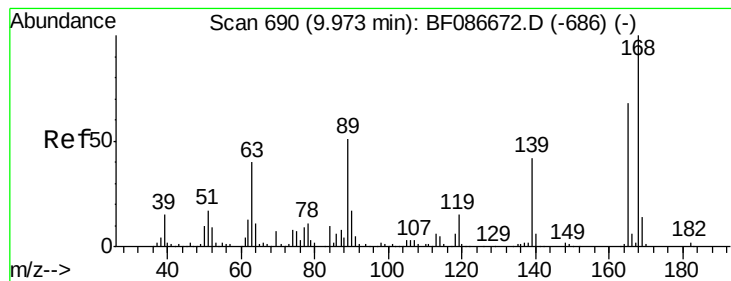
#49
 Dimethylphthalate
 Concen: 7.73 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF086681.D
 Acq: 4 May 2016 17:19

Tgt Ion:163 Resp: 367059
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 4.0
 164 10.3 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

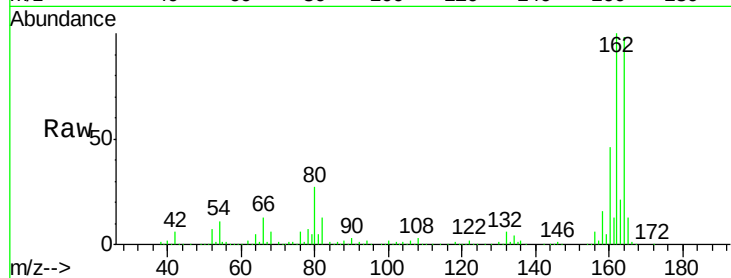




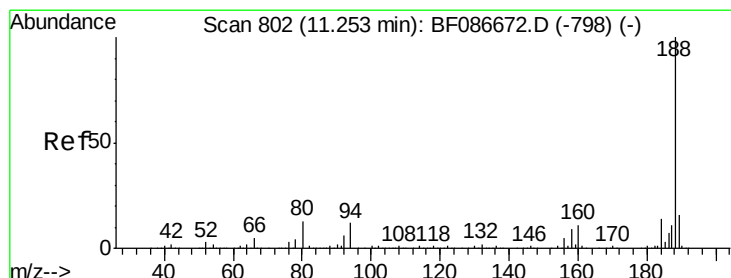
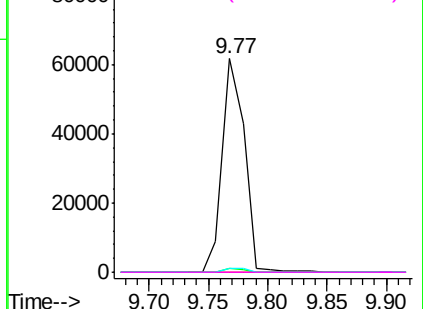
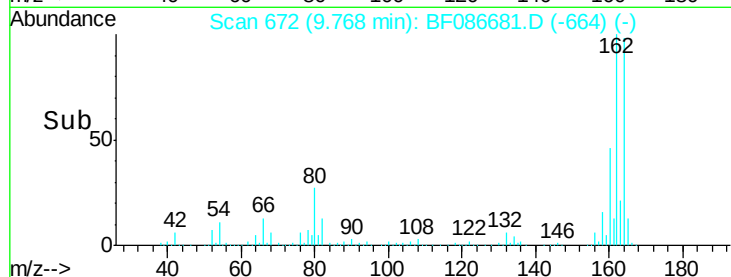
#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.21 min
 Lab File: BF086681.D
 Acq: 4 May 2016 17:19

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-4(0-6FTBGS)RE

Tgt Ion:165 Resp: 80083
 Ion Ratio Lower Upper
 165 100
 63 2.0 44.3 66.5#
 89 1.9 70.0 105.0#
 182 0.0 1.8 2.6#

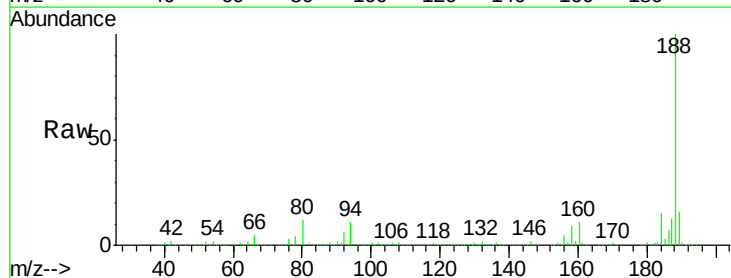


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

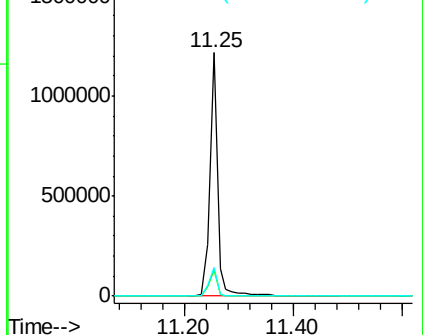
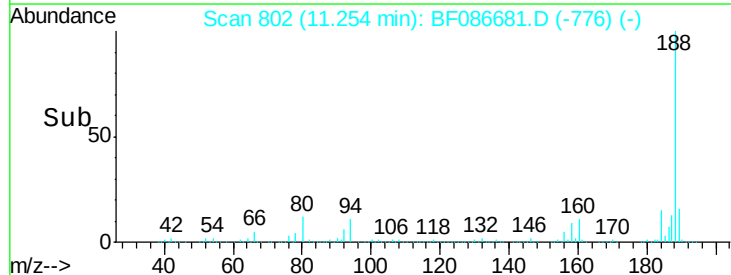


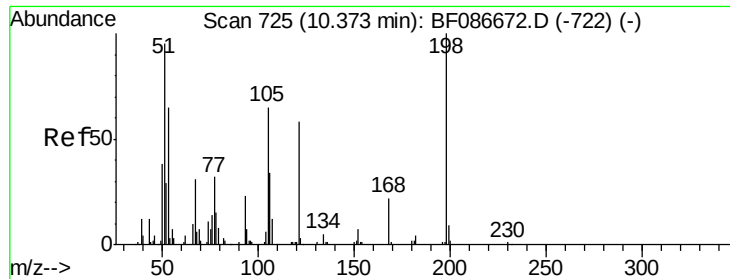
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF086681.D
 Acq: 4 May 2016 17:19

Tgt Ion:188 Resp: 1210489
 Ion Ratio Lower Upper
 188 100
 94 10.7 6.8 10.2#
 80 11.7 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: 5.32 ng

RT: 10.56 min Scan# 741

Delta R.T. 0.18 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-4(0-6FTBGS)RE

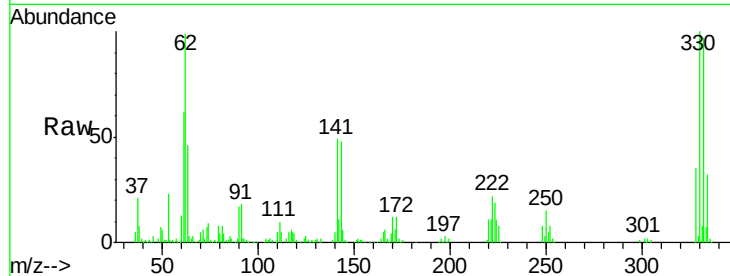
Tgt Ion:198 Resp: 579

Ion Ratio Lower Upper

198 100

51 266.9 20.5 60.5#

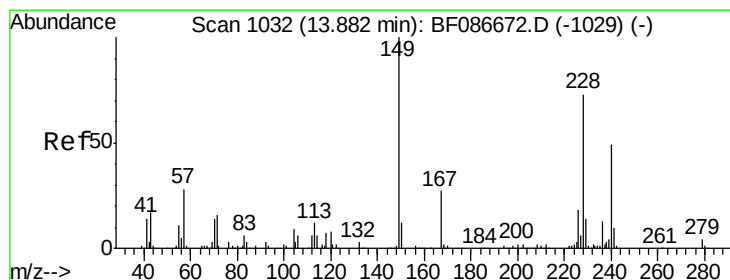
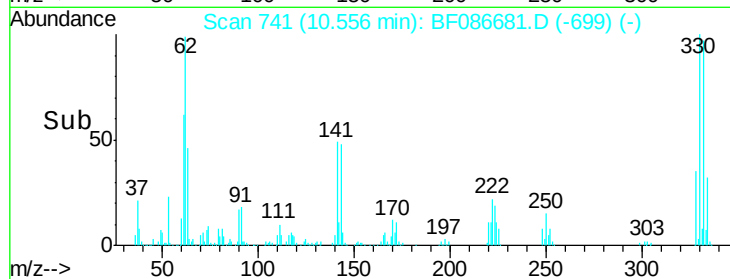
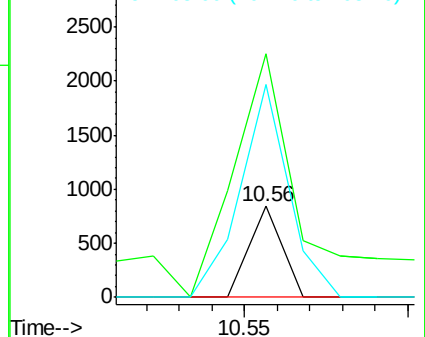
105 232.7 24.5 64.5#



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



#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

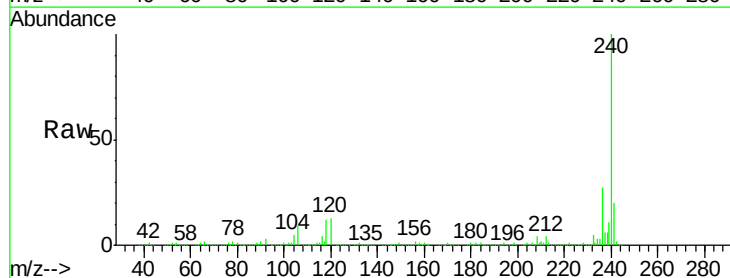
Tgt Ion:240 Resp: 907424

Ion Ratio Lower Upper

240 100

120 13.2 11.2 16.8

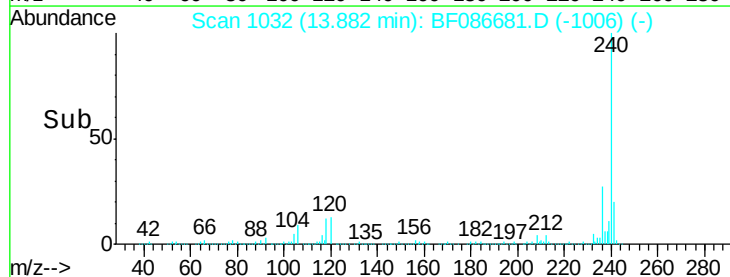
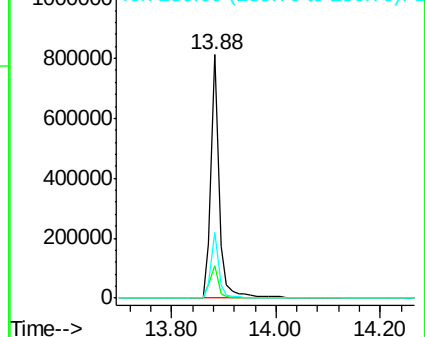
236 26.8 21.2 31.8

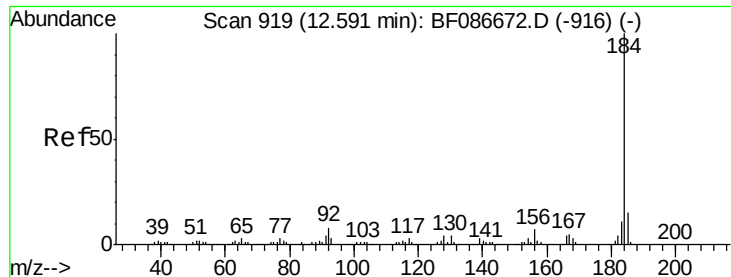


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 7.12 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.06 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-4(0-6FTBGS)RE

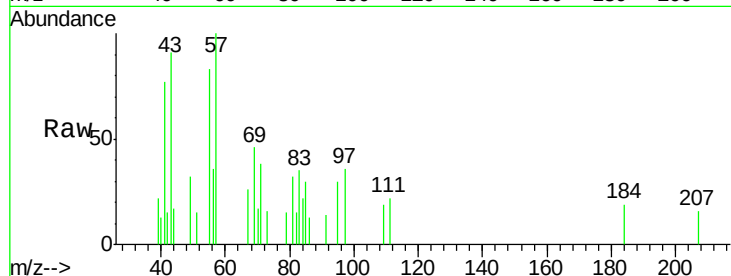
Tgt Ion:184 Resp: 799

Ion Ratio Lower Upper

184 100

185 0.0 13.6 20.4#

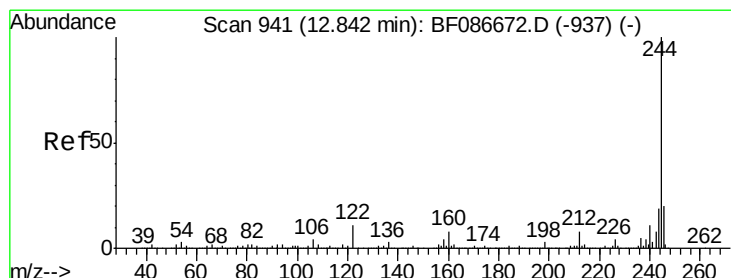
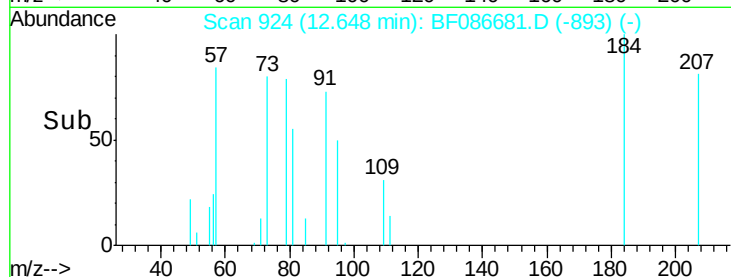
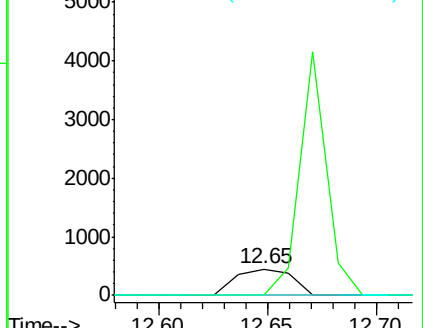
183 0.0 9.8 14.6#



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



#78

Terphenyl-d14

Concen: 30.20 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF086681.D

Acq: 4 May 2016 17:19

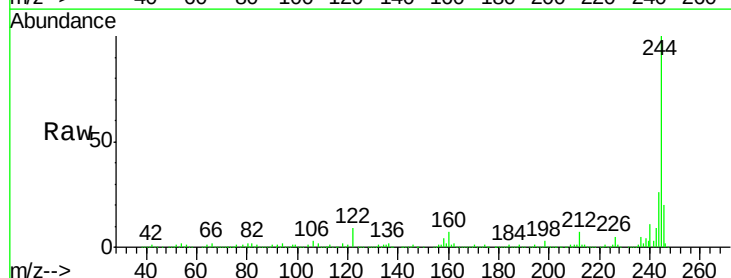
Tgt Ion:244 Resp: 1356128

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

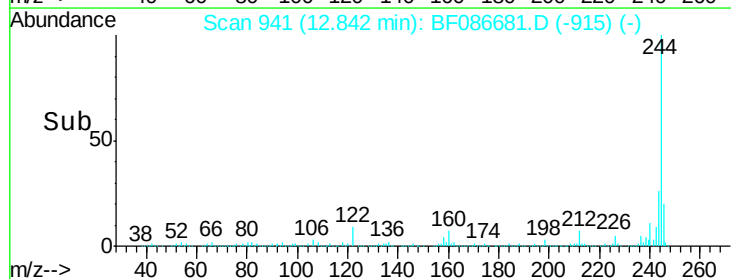
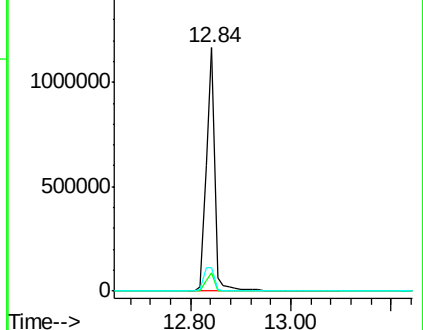
122 9.4 12.0 18.0#

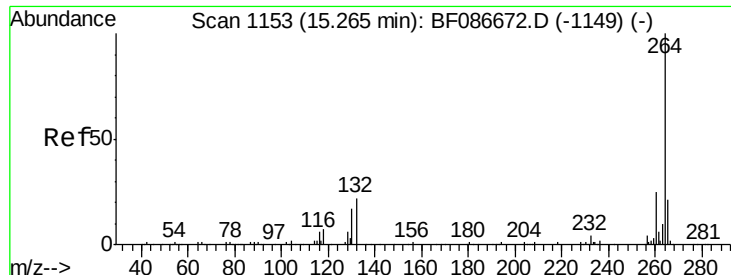


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

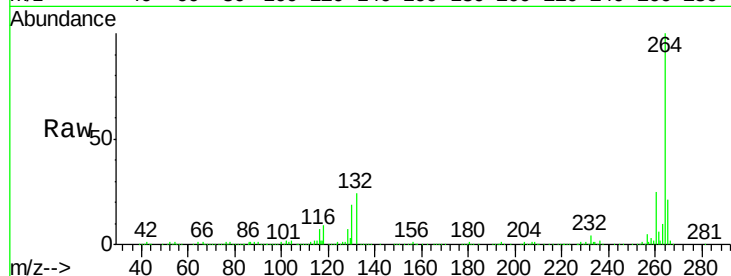




#86
Perylene-d12
Concen: 40.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF086681.D
Acq: 4 May 2016 17:19

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-4(0-6FTBGS)RE

Tgt Ion: 264 Resp: 679412
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 21.4 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

