

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050416\
 Data File : BF086686.D
 Acq On : 4 May 2016 19:42
 Operator : UM/SJ
 Sample : H2715-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-4(0-12FTBGS)

Quant Time: May 05 01:36:32 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

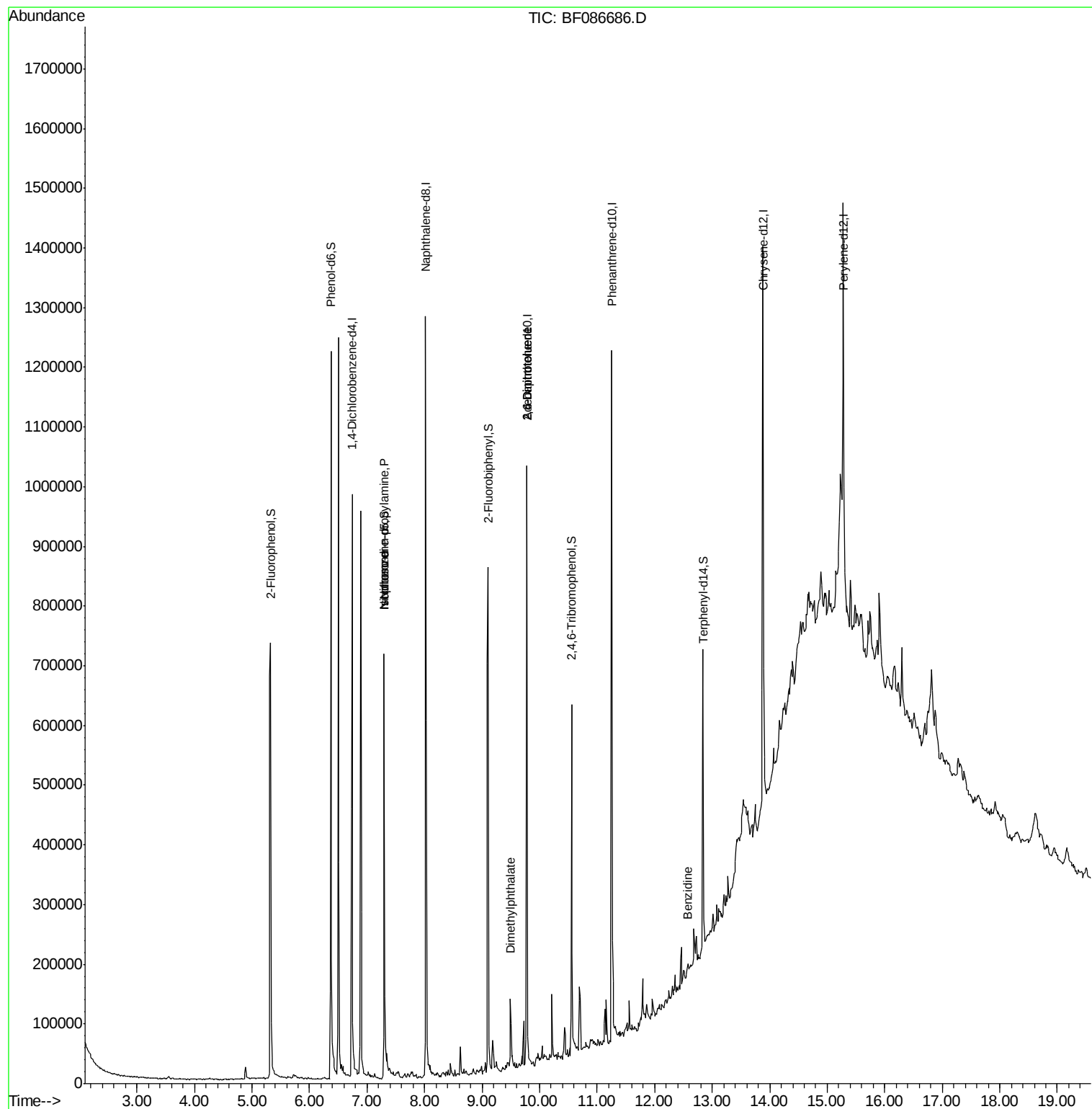
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	164226	40.00	ng	0.00
21) Naphthalene-d8	8.02	136	642913	40.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	269328	40.00	ng	0.00
63) Phenanthrene-d10	11.25	188	423889	40.00	ng	0.00
75) Chrysene-d12	13.88	240	349859	40.00	ng	0.00
86) Perylene-d12	15.28	264	292992	40.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	288758	29.11	ng	0.00
7) Phenol-d6	6.37	99	399479	29.89	ng	0.00
23) Nitrobenzene-d5	7.30	82	239908	19.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	63404	24.07	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	379622	23.11	ng	0.00
78) Terphenyl-d14	12.84	244	235015	13.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	33004	3.61	ng	# 73
25) Isophorone	7.30	82	208477	8.95	ng	# 68
49) Dimethylphthalate	9.49	163	43931	2.19	ng	99
50) 2,6-Dinitrotoluene	9.78	165	34498	8.01	ng	# 21
56) 2,4-Dinitrotoluene	9.78	165	34501	6.46	ng	# 17
76) Benzidine	12.58	184	274	7.12	ng	# 1

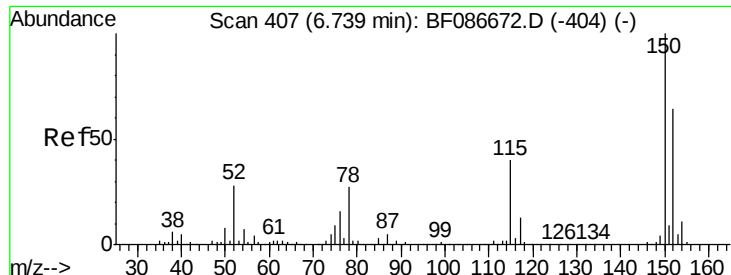
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 04 15:12:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.00 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

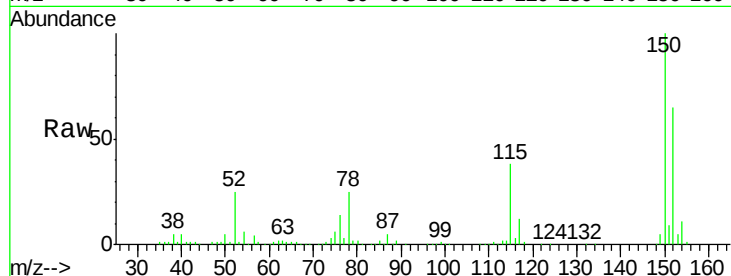
Tgt Ion:152 Resp: 164226

Ion Ratio Lower Upper

152 100

150 154.9 125.8 188.6

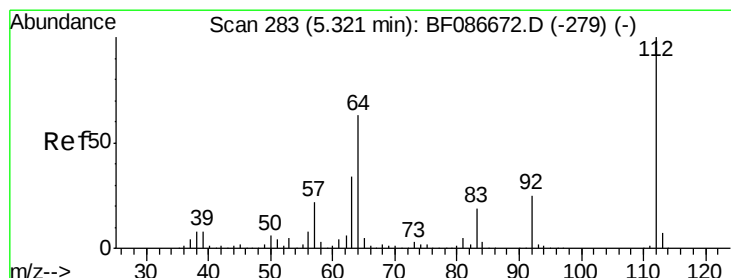
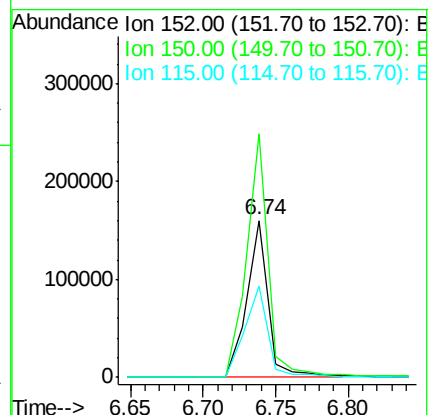
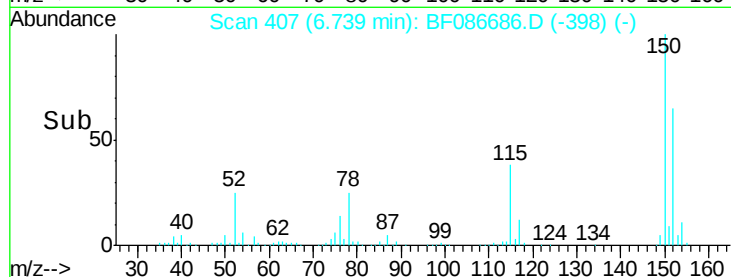
115 58.4 51.5 77.3



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: 29.11 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

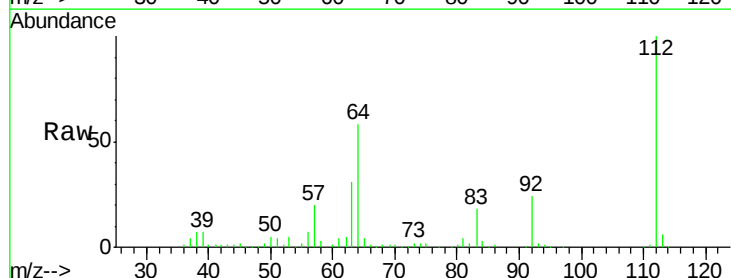
Tgt Ion:112 Resp: 288758

Ion Ratio Lower Upper

112 100

64 58.4 52.1 78.1

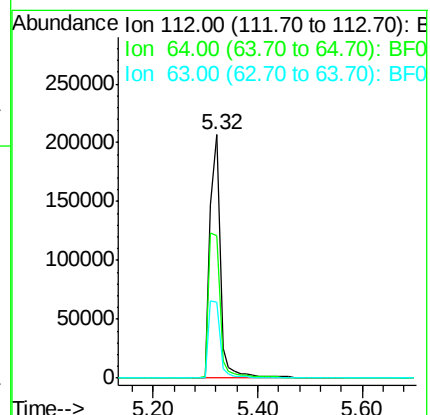
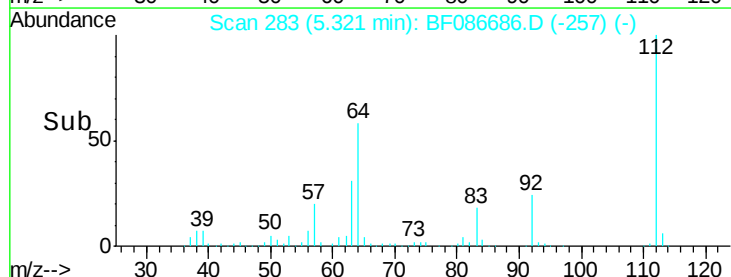
63 31.2 25.7 38.5

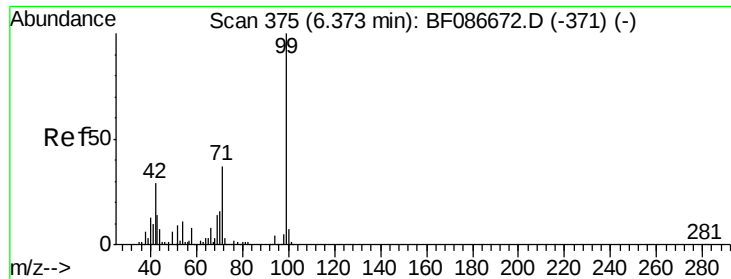


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 29.89 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

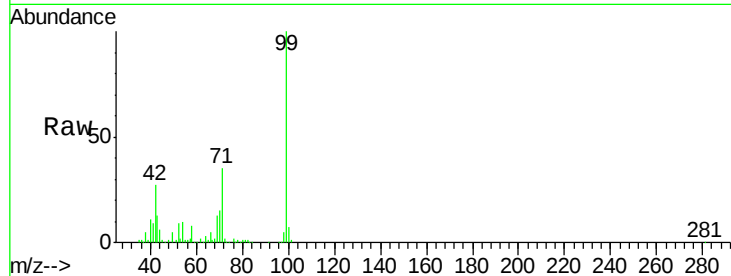
Tgt Ion: 99 Resp: 399479

Ion Ratio Lower Upper

99 100

42 26.6 13.6 20.4#

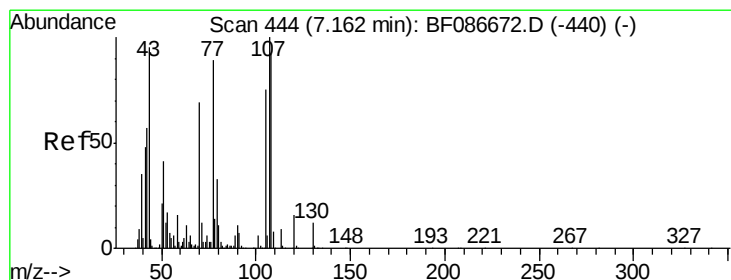
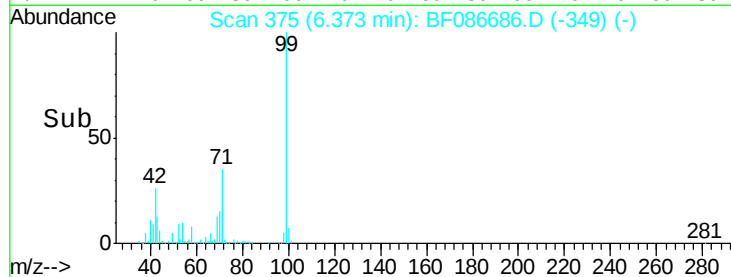
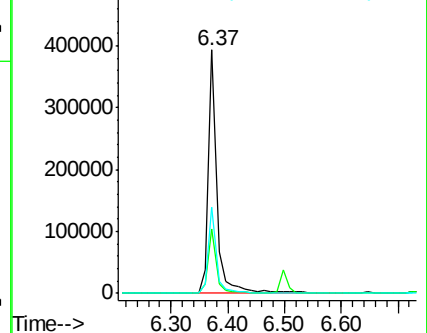
71 35.2 24.6 36.8



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.61 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.14 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Tgt Ion: 70 Resp: 33004

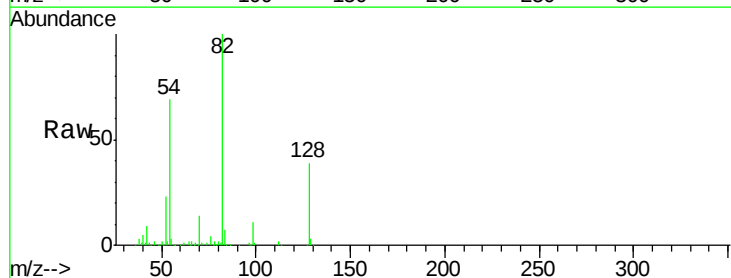
Ion Ratio Lower Upper

70 100

42 67.8 43.1 64.7#

101 0.0 8.1 12.1#

130 1.7 18.6 28.0#

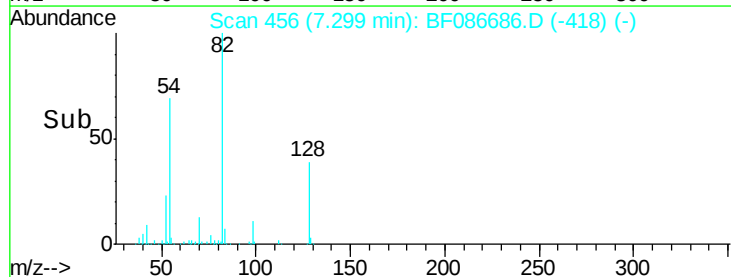
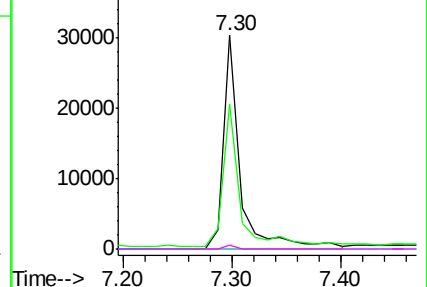


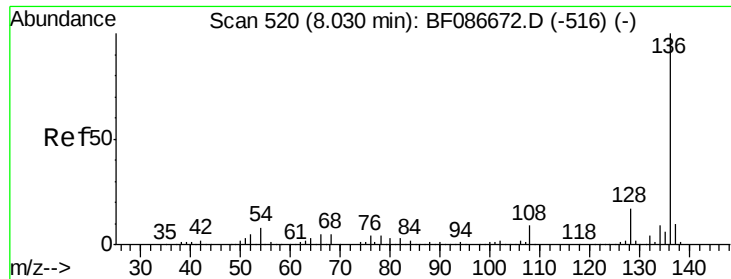
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

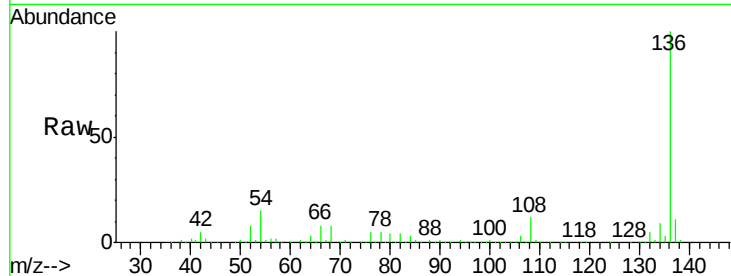




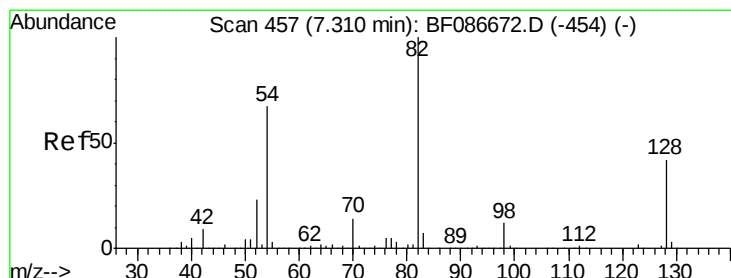
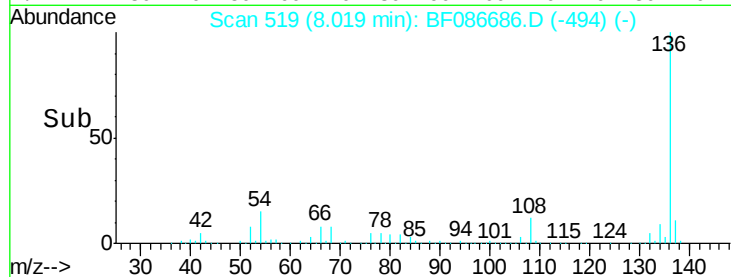
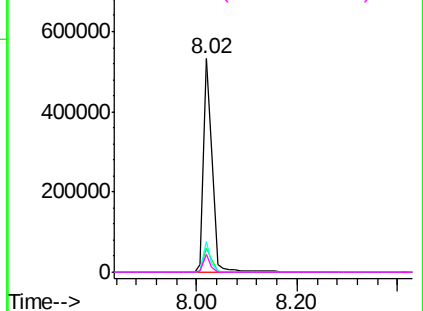
#21
Naphthalene-d8
Concen: 40.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF086686.D
Acq: 4 May 2016 19:42

Instrument :
BNA_F
ClientSampleId :
26WARD-3-CS-4(0-12FTBGS)

Tgt Ion:	136	Resp:	642913
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	14.6	5.0	7.4#
68	8.2	4.4	6.6#

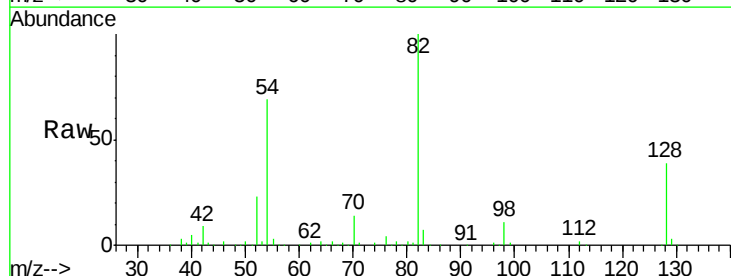


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

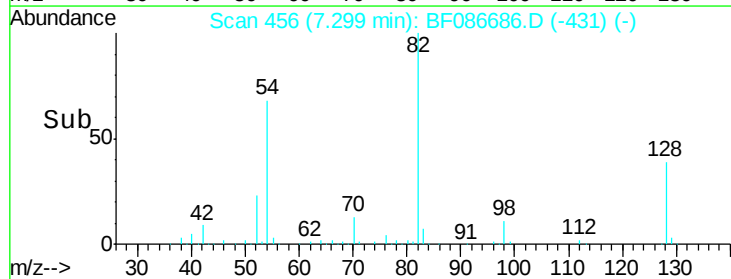
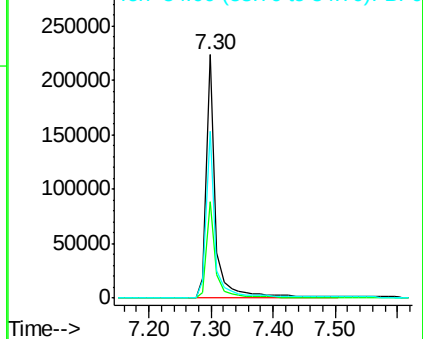


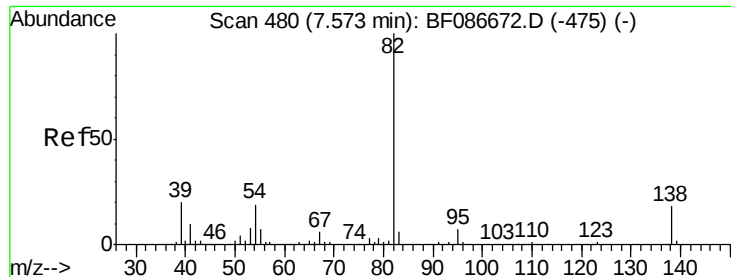
#23
Nitrobenzene-d5
Concen: 19.18 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF086686.D
Acq: 4 May 2016 19:42

Tgt Ion:	82	Resp:	239908
Ion	Ratio	Lower	Upper
82	100		
128	39.4	40.6	61.0#
54	68.6	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: 8.95 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.27 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

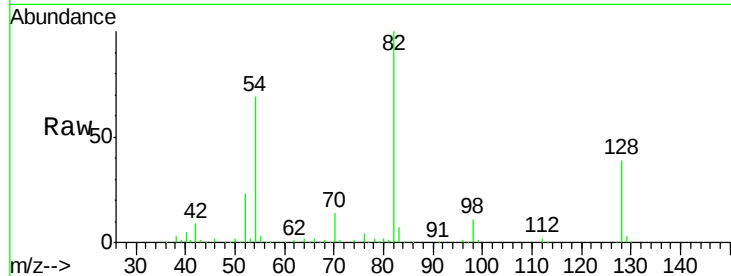
Tgt Ion: 82 Resp: 208477

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 12.4 18.6#

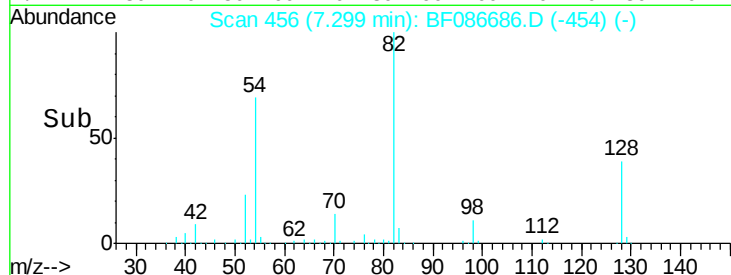


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



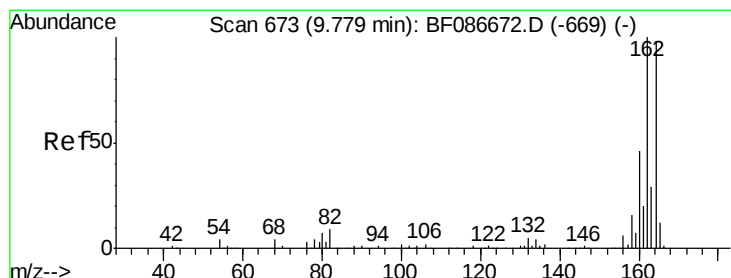
Abundance

Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

Time-->



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.00 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

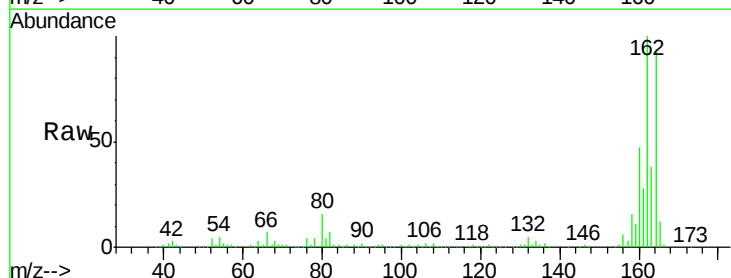
Tgt Ion: 164 Resp: 269328

Ion Ratio Lower Upper

164 100

162 105.8 82.8 124.2

160 49.2 36.9 55.3

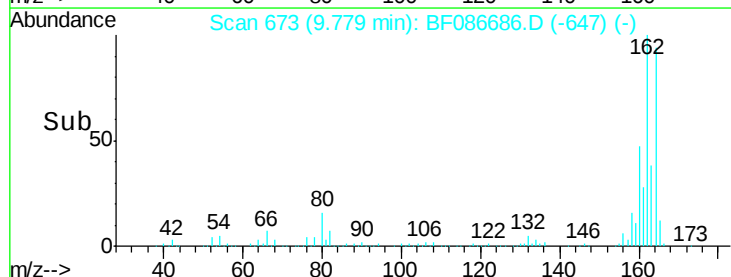


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->



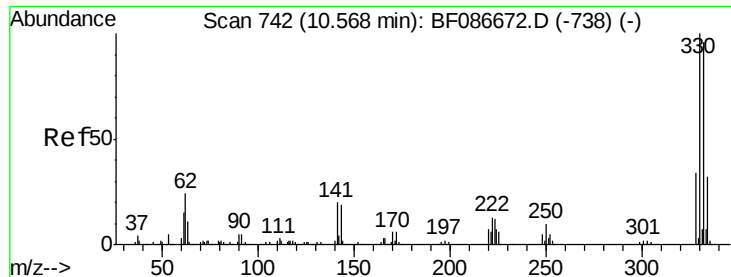
Abundance

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

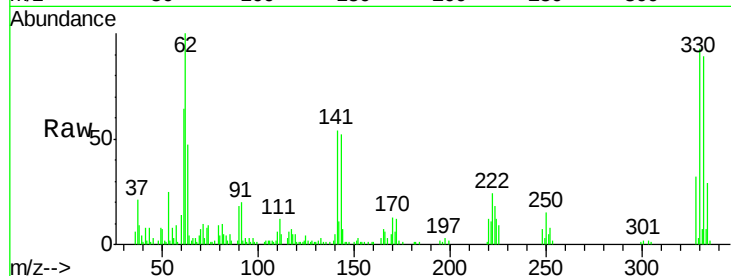
Time-->



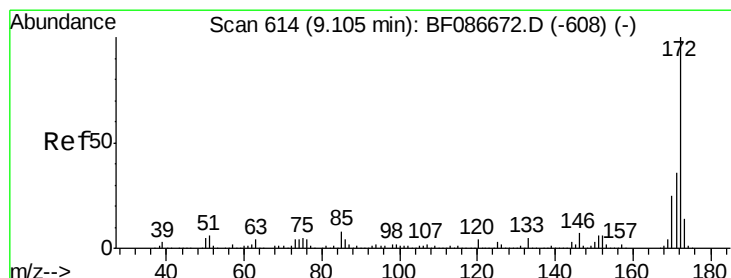
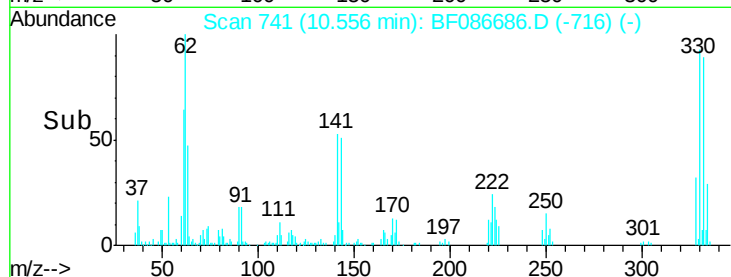
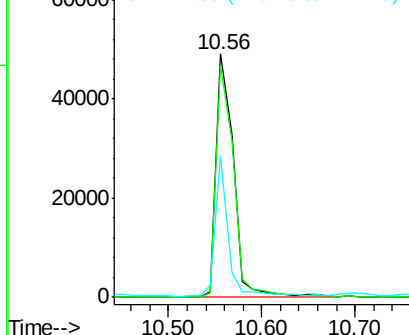
#41
 2,4,6-Tribromophenol
 Concen: 24.07 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF086686.D
 Acq: 4 May 2016 19:42

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-3-CS-4(0-12FTBGS)

Tgt Ion:330 Resp: 63404
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.0 118.4
 141 45.5 31.2 46.8

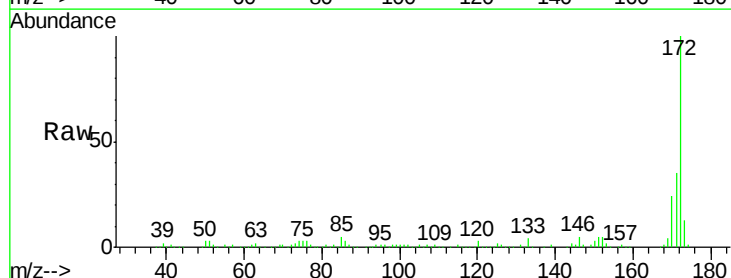


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

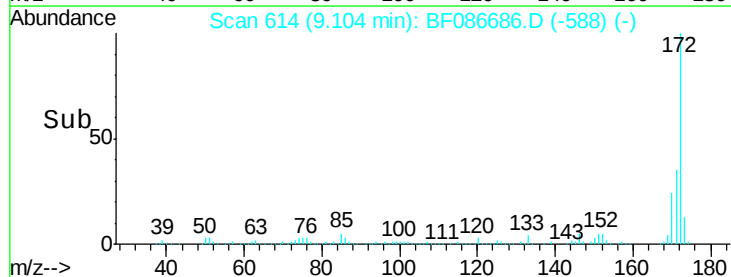
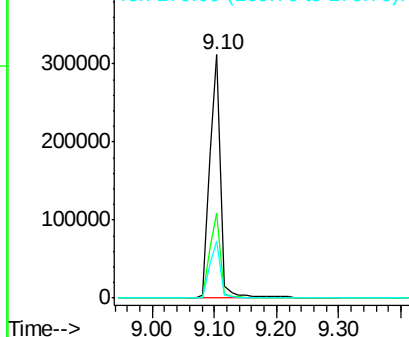


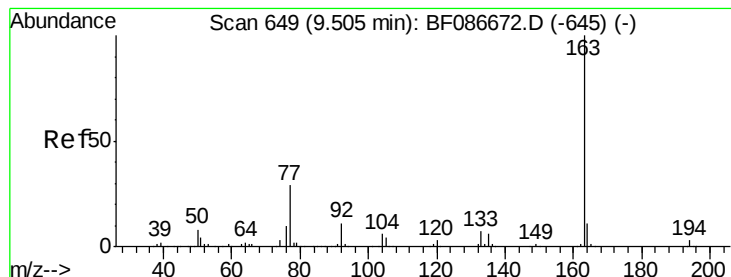
#44
 2-Fluorobiphenyl
 Concen: 23.11 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.00 min
 Lab File: BF086686.D
 Acq: 4 May 2016 19:42

Tgt Ion:172 Resp: 379622
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.0 43.6
 170 23.6 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: 2.19 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.01 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

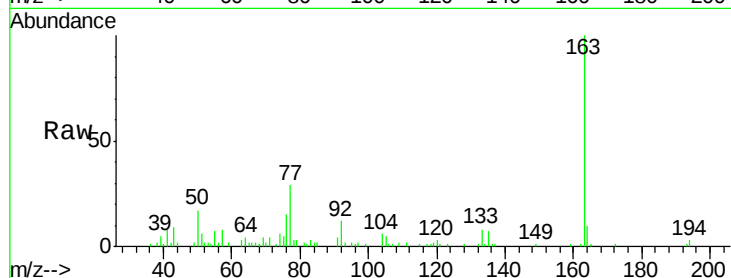
Tgt Ion:163 Resp: 43931

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

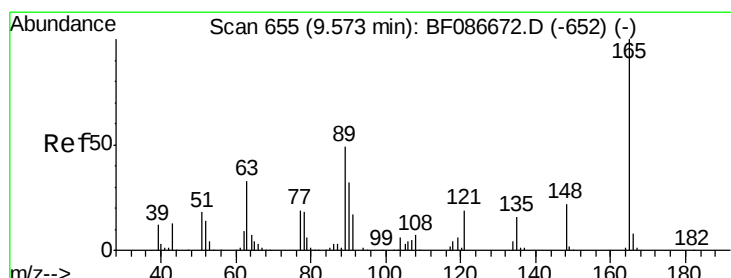
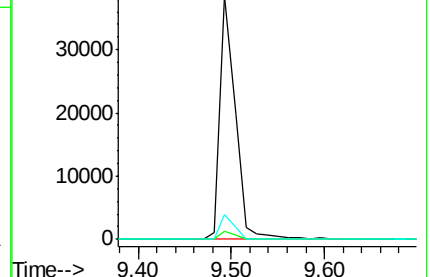
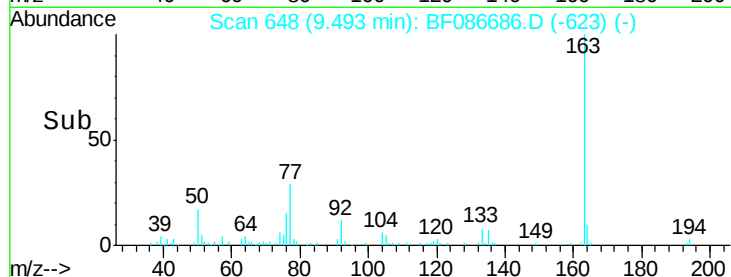
164 10.0 8.2 12.4



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



#50

2,6-Dinitrotoluene

Concen: 8.01 ng

RT: 9.78 min Scan# 673

Delta R.T. 0.21 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

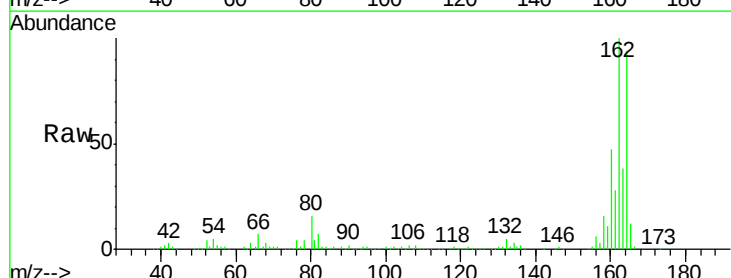
Tgt Ion:165 Resp: 34498

Ion Ratio Lower Upper

165 100

63 2.8 51.8 77.8#

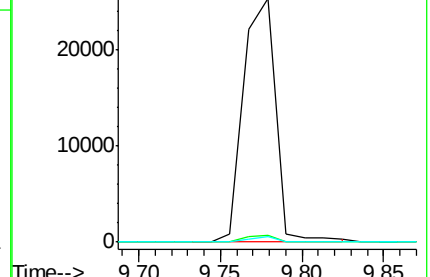
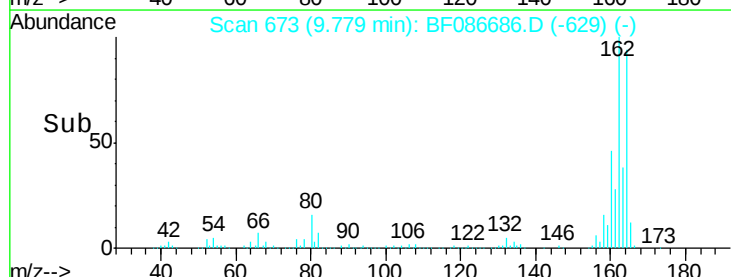
89 2.4 50.7 76.1#

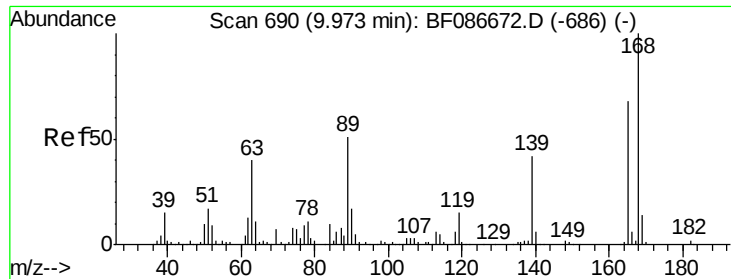


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.46 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.19 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

Tgt Ion:165 Resp: 34501

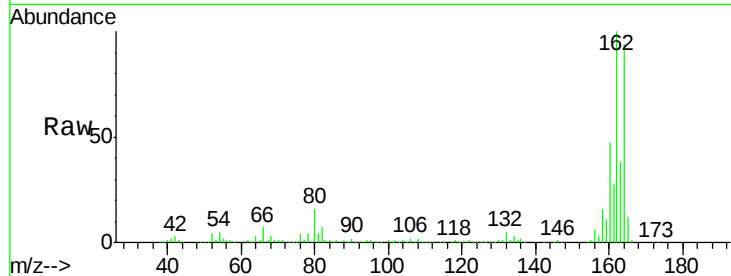
Ion Ratio Lower Upper

165 100

63 2.8 44.3 66.5#

89 2.4 70.0 105.0#

182 0.0 1.8 2.6#

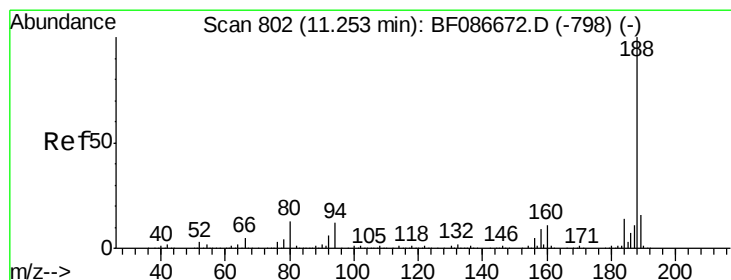
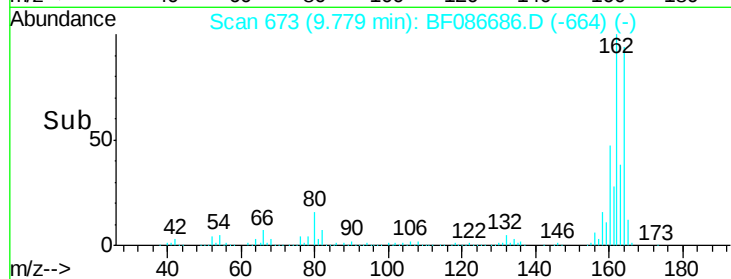
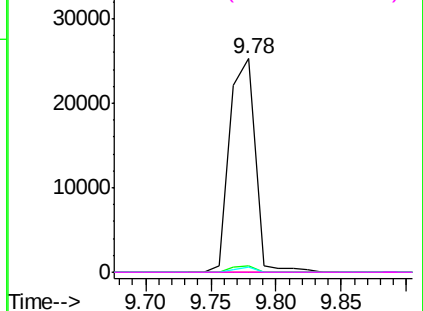


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF086686.D

Acq: 4 May 2016 19:42

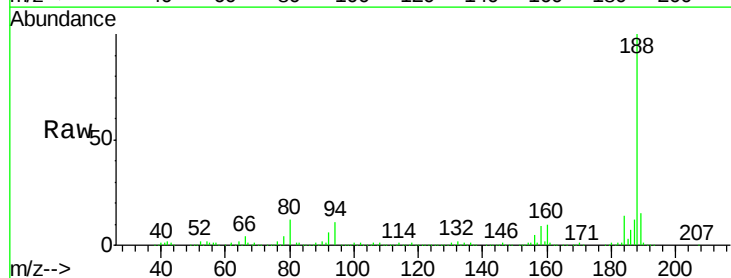
Tgt Ion:188 Resp: 423889

Ion Ratio Lower Upper

188 100

94 10.6 6.8 10.2#

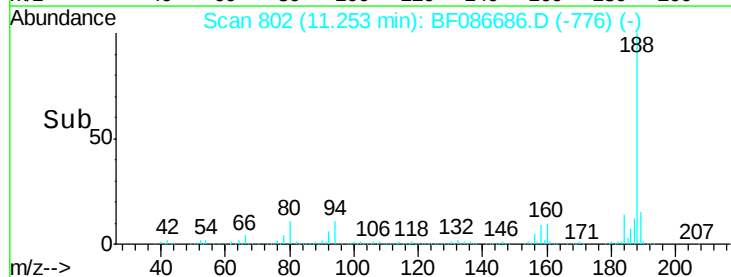
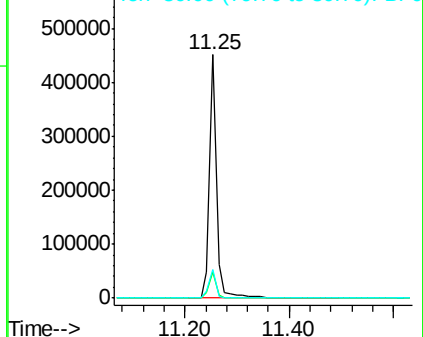
80 11.5 7.1 10.7#

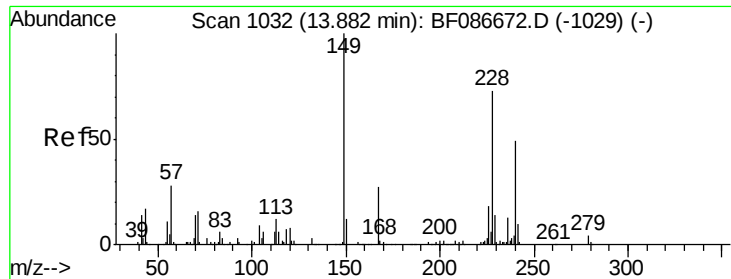


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 40.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

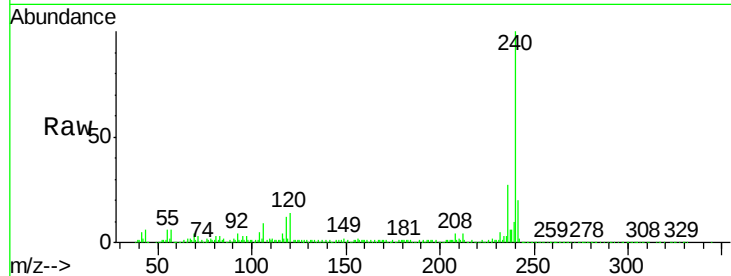
Tgt Ion:240 Resp: 349859

Ion Ratio Lower Upper

240 100

120 13.7 11.2 16.8

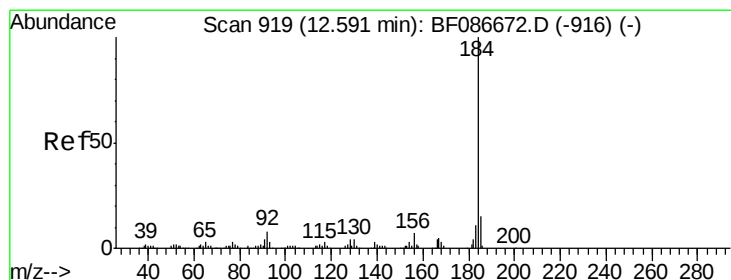
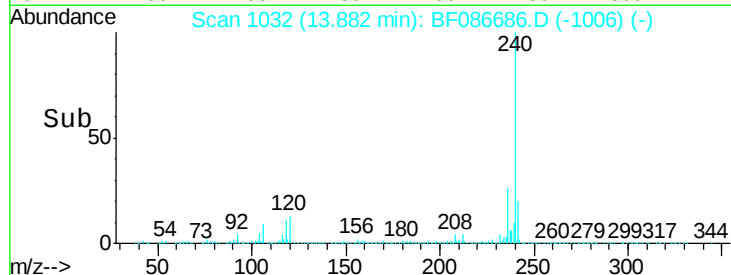
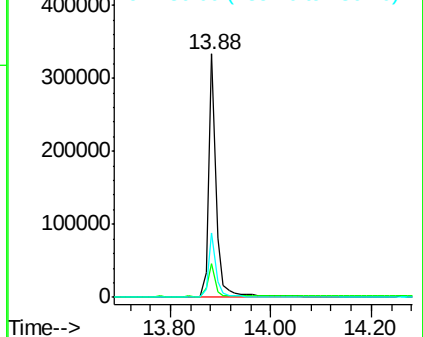
236 26.6 21.2 31.8



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: 7.12 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

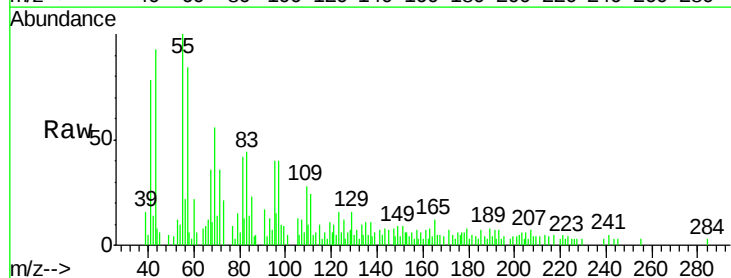
Tgt Ion:184 Resp: 274

Ion Ratio Lower Upper

184 100

185 215.5 13.6 20.4#

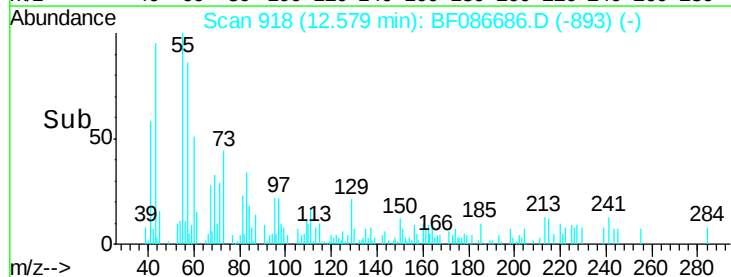
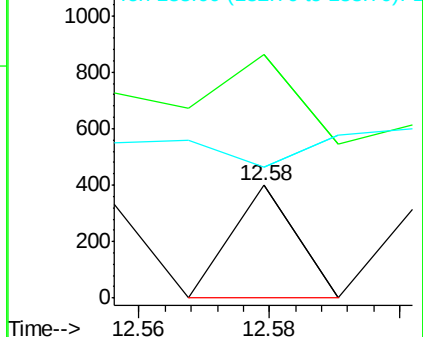
183 115.8 9.8 14.6#

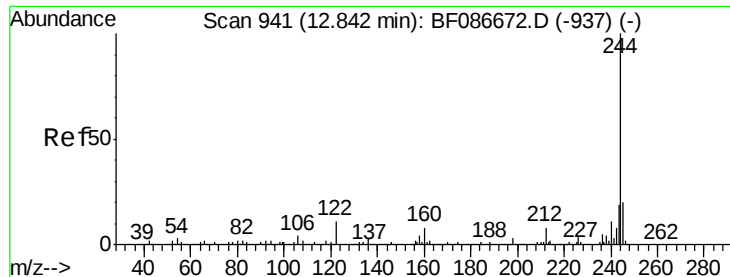


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 13.58 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.00 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

Instrument :

BNA_F

ClientSampleId :

26WARD-3-CS-4(0-12FTBGS)

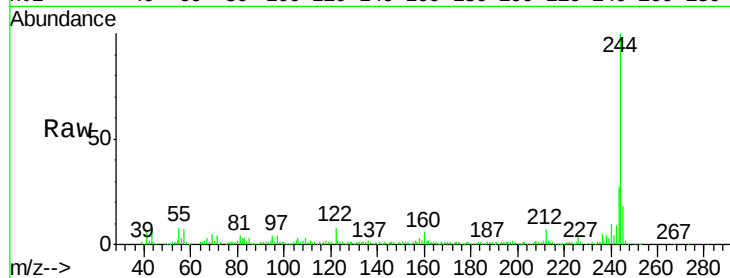
Tgt Ion:244 Resp: 235015

Ion Ratio Lower Upper

244 100

212 6.5 6.2 9.2

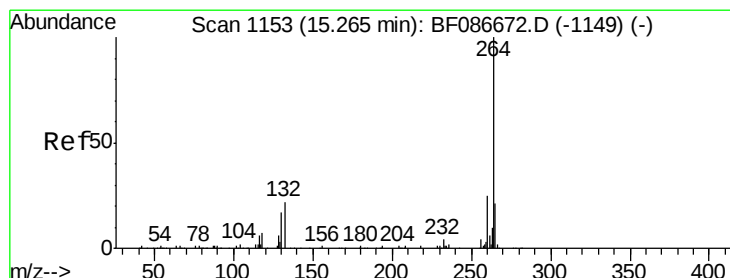
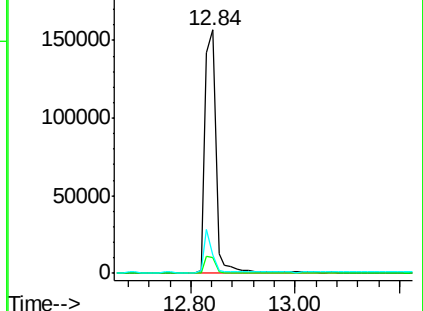
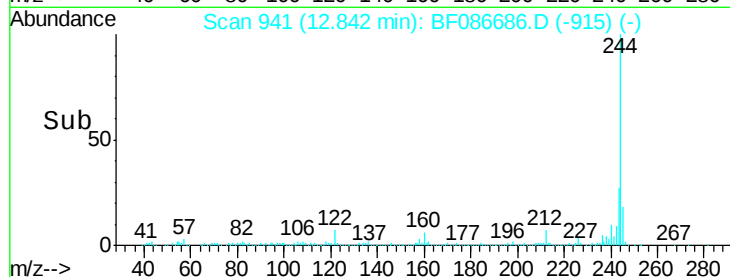
122 7.8 12.0 18.0#



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: 15.28 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF086686.D

Acq: 4 May 2016 19:42

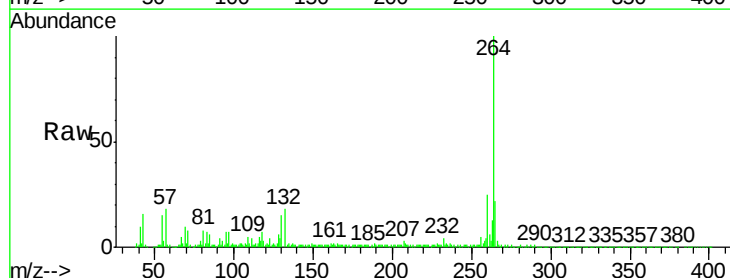
Tgt Ion:264 Resp: 292992

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 22.0 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

