

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086814.D
 Acq On : 8 May 2016 10:34
 Operator : UM/SJ
 Sample : H2720-13 5X
 Misc :
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS7

Quant Time: May 09 00:58:37 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

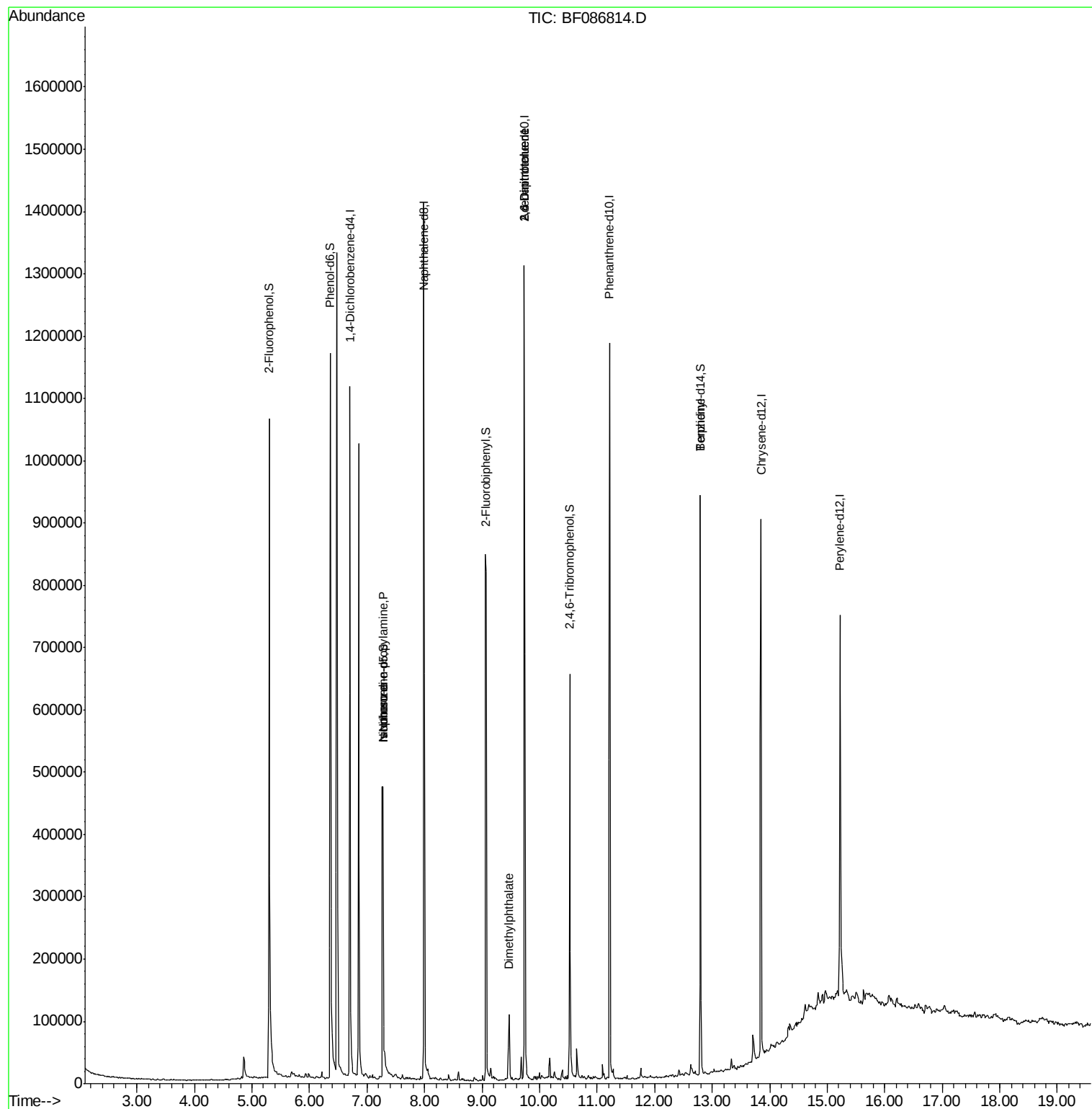
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	190670	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	689742	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	286951	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	488016	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	363866	40.00	ng	-0.03
86) Perylene-d12	15.22	264	320326	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	316794	27.51	ng	-0.02
7) Phenol-d6	6.36	99	430936	27.78	ng	-0.01
23) Nitrobenzene-d5	7.28	82	251212	18.72	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	72547	25.84	ng	-0.05
44) 2-Fluorobiphenyl	9.07	172	410282	23.44	ng	-0.03
78) Terphenyl-d14	12.80	244	262526	14.58	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	34501	3.25	ng	# 76
25) Isophorone	7.28	82	246982	9.88	ng	# 68
49) Dimethylphthalate	9.47	163	47971	2.24	ng	99
50) 2,6-Dinitrotoluene	9.73	165	36265	7.90	ng	# 21
56) 2,4-Dinitrotoluene	9.73	165	36266	6.37	ng	# 16
76) Benzidine	12.80	184	4271	7.46	ng	# 95

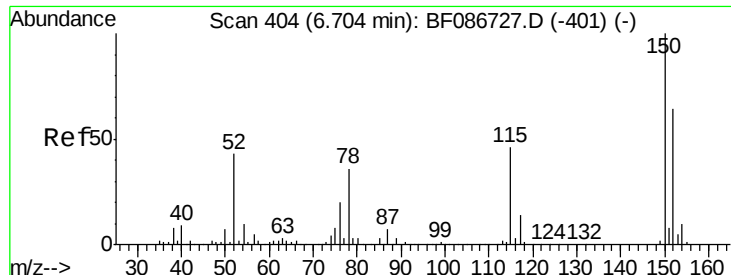
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

Instrument :

BNA_F

ClientSampleId :

SS7

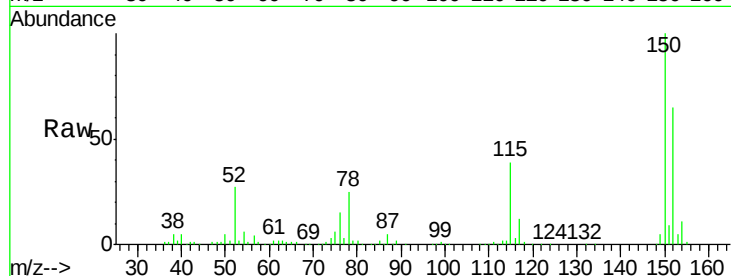
Tgt Ion:152 Resp: 190670

Ion Ratio Lower Upper

152 100

150 154.4 125.8 188.6

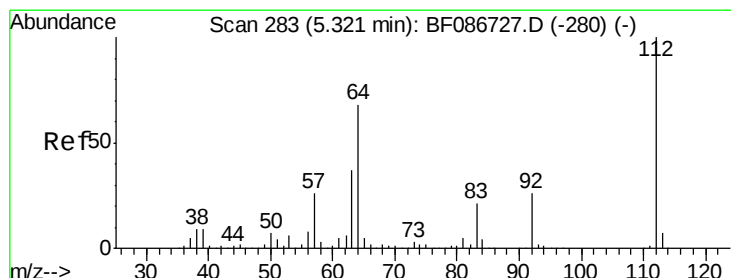
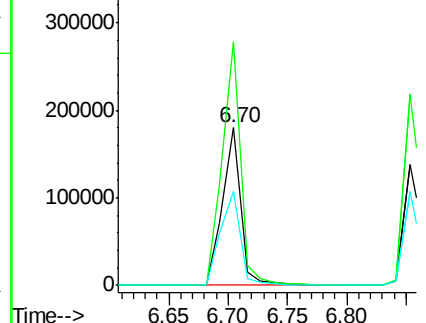
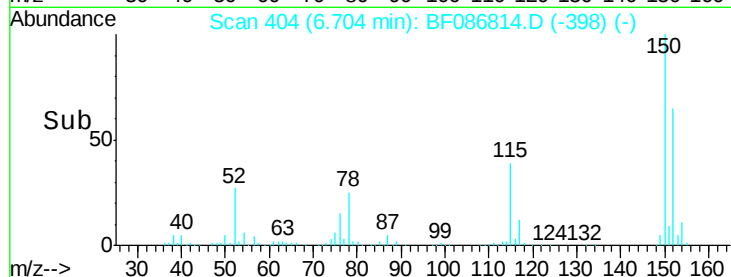
115 59.6 51.5 77.3



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: 27.51 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

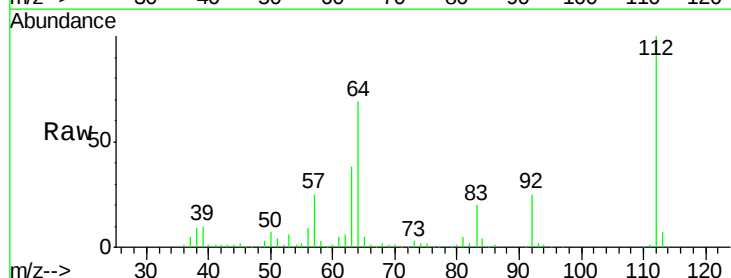
Tgt Ion:112 Resp: 316794

Ion Ratio Lower Upper

112 100

64 69.4 52.1 78.1

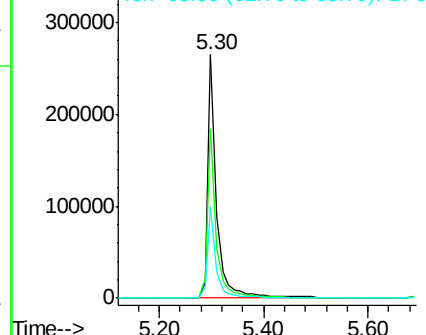
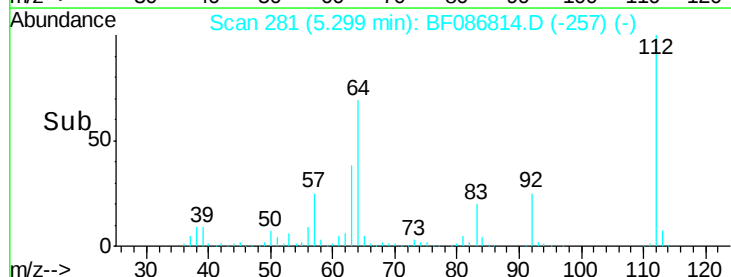
63 37.6 25.7 38.5

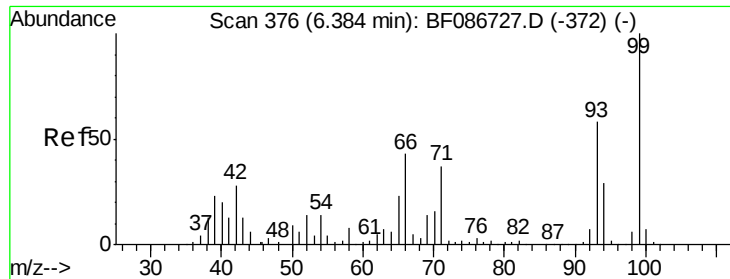


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 27.78 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

Instrument :

BNA_F

ClientSampled :

SS7

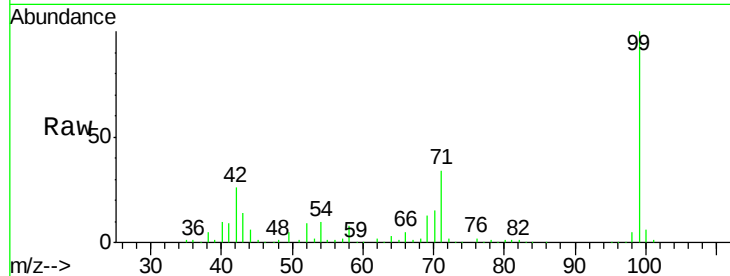
Tgt Ion: 99 Resp: 430936

Ion Ratio Lower Upper

99 100

42 26.2 13.6 20.4#

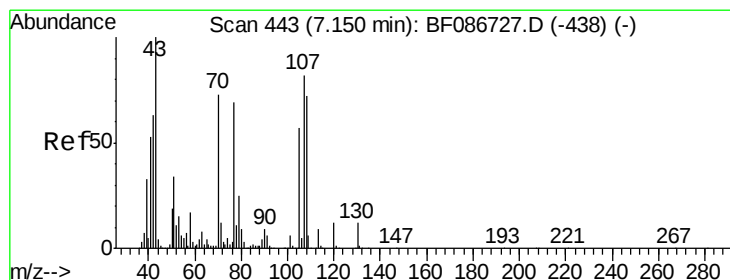
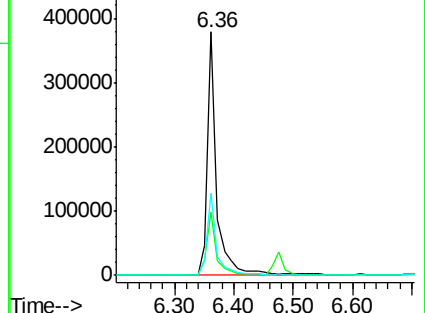
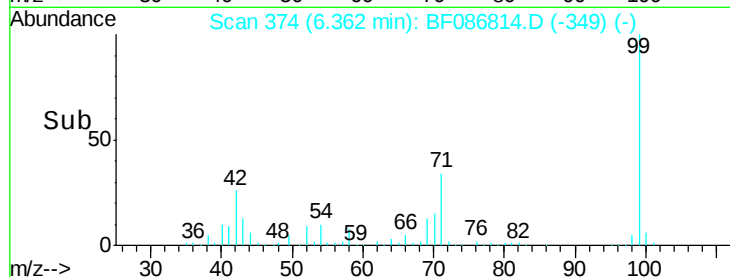
71 33.9 24.6 36.8



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: 3.25 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.11 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

Tgt Ion: 70 Resp: 34501

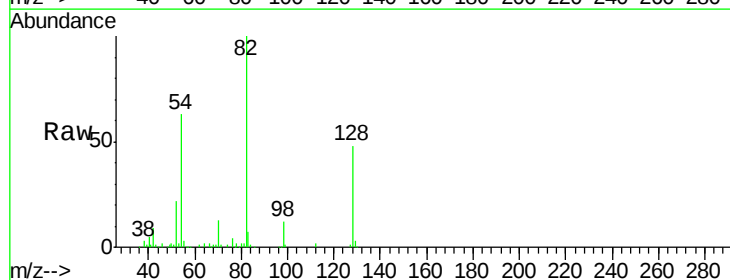
Ion Ratio Lower Upper

70 100

42 64.2 43.1 64.7

101 0.0 8.1 12.1#

130 2.3 18.6 28.0#

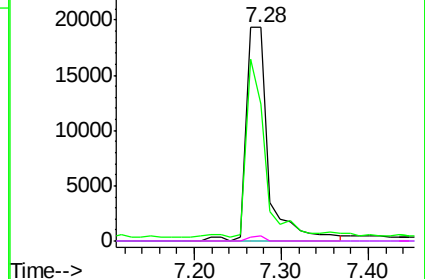
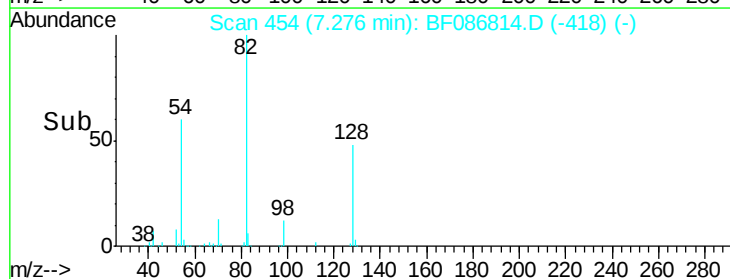


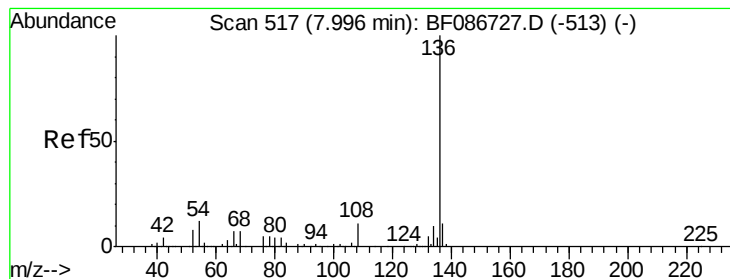
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.98 min Scan# 516

Delta R.T. -0.05 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

Instrument :

BNA_F

ClientSampleId :

SS7

Tgt Ion:136 Resp: 689742

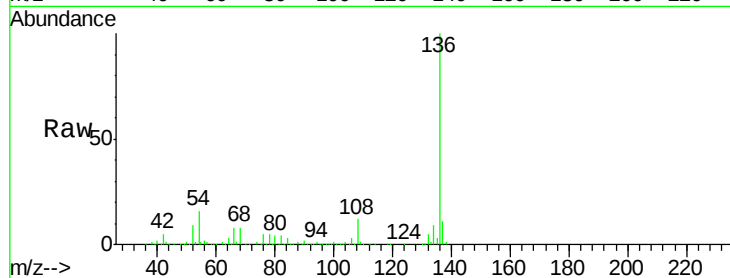
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 15.9 5.0 7.4#

68 8.4 4.4 6.6#

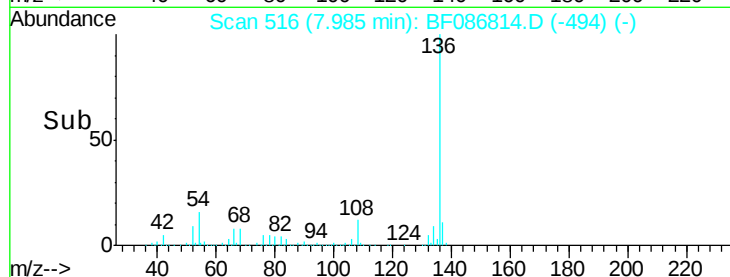


Abundance Ion 136.00 (135.70 to 136.70): E

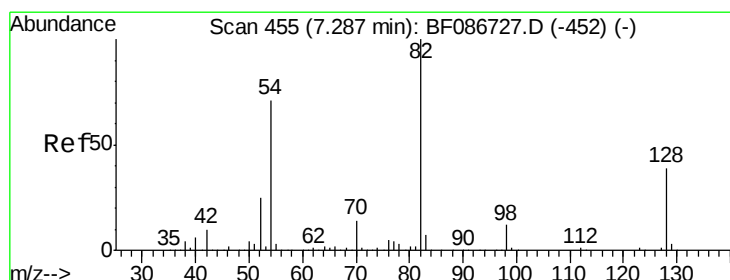
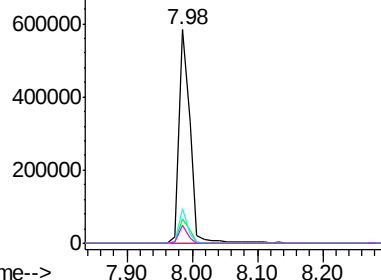
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 18.72 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

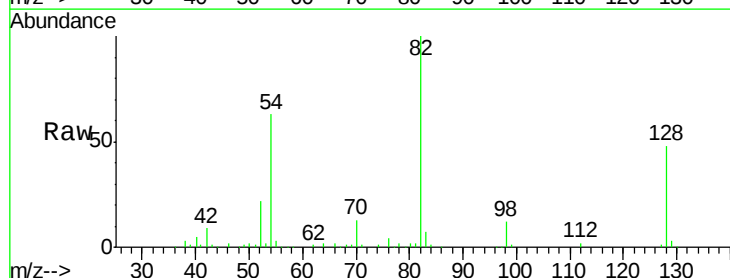
Tgt Ion: 82 Resp: 251212

Ion Ratio Lower Upper

82 100

128 48.2 40.6 61.0

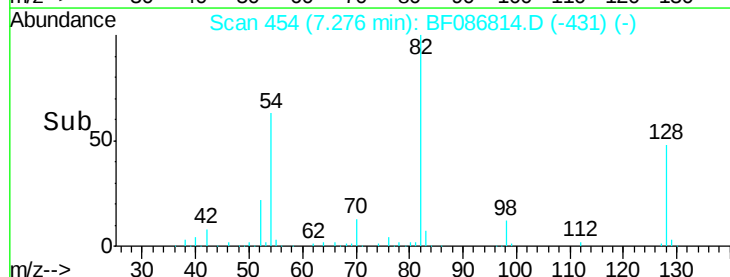
54 63.2 38.1 57.1#



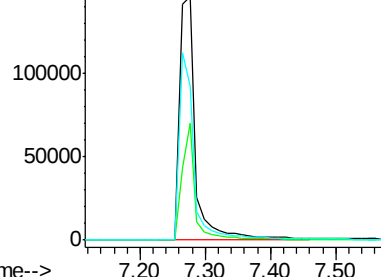
Abundance Ion 82.00 (81.70 to 82.70): BF0

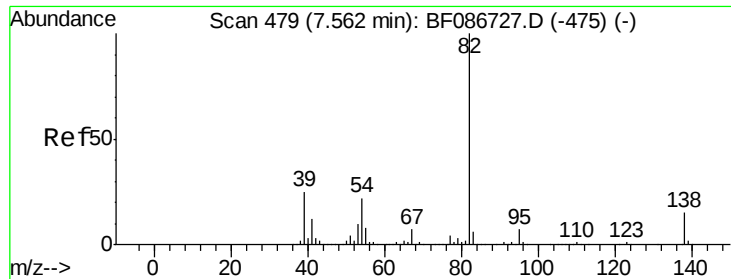
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 9.88 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

Instrument :

BNA_F

ClientSampleId :

SS7

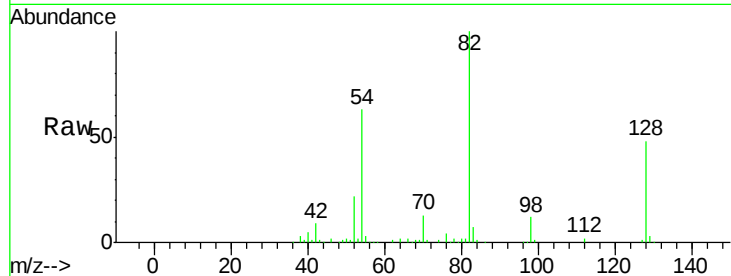
Tgt Ion: 82 Resp: 246982

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

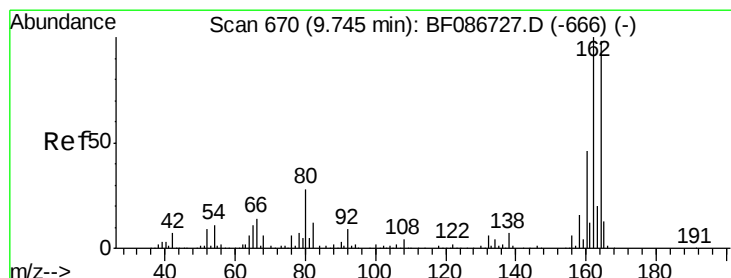
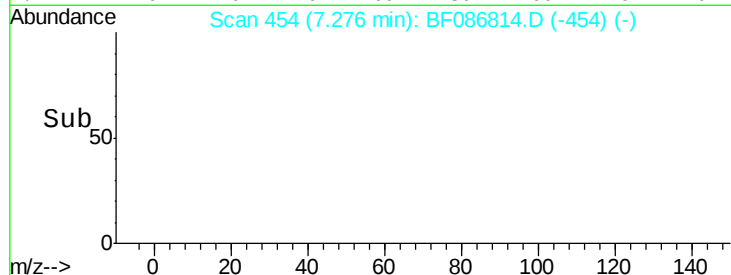
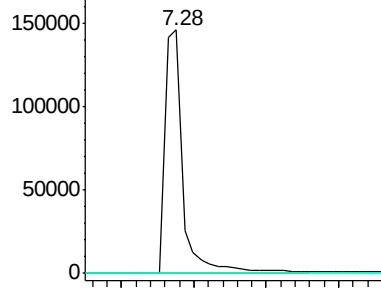
138 0.0 12.4 18.6#



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



#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.05 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

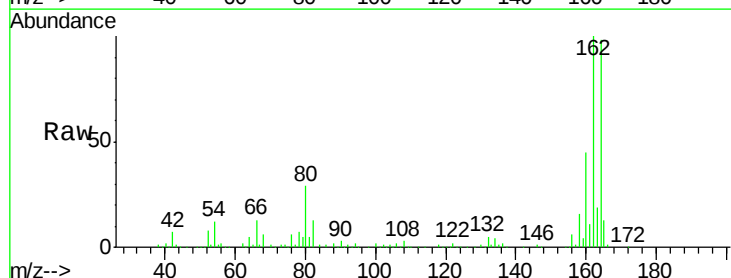
Tgt Ion: 164 Resp: 286951

Ion Ratio Lower Upper

164 100

162 102.3 82.8 124.2

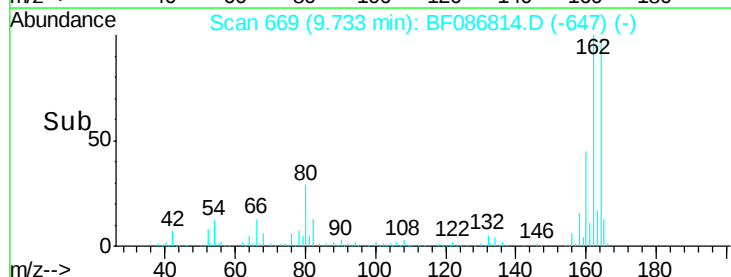
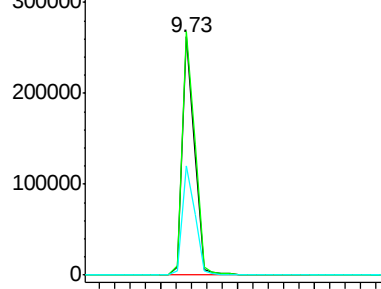
160 45.7 36.9 55.3

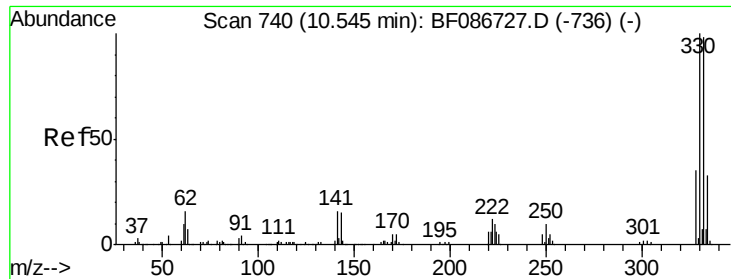


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

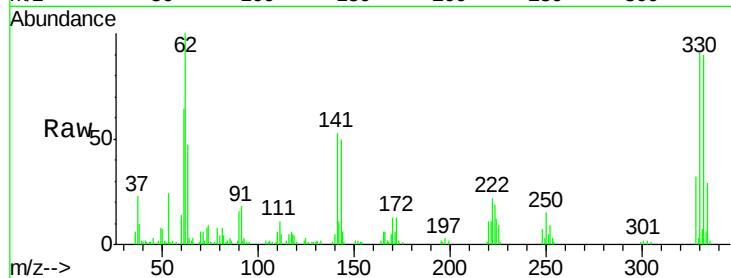




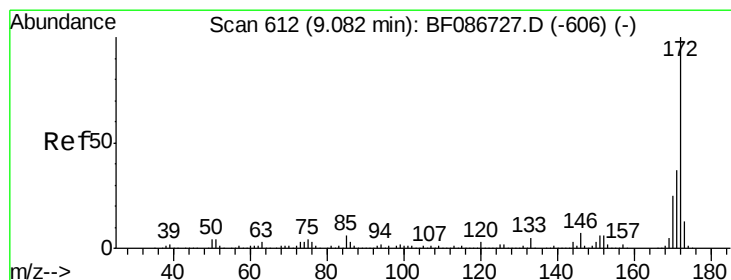
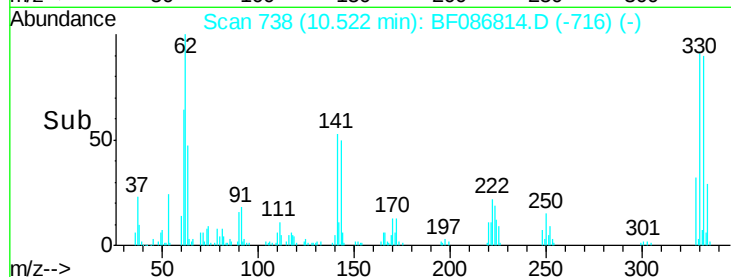
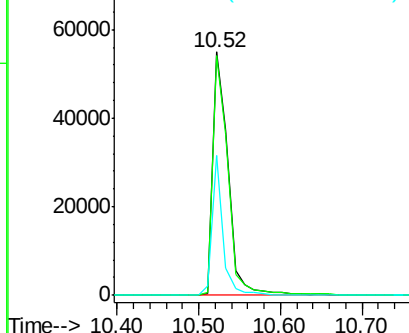
#41
 2,4,6-Tribromophenol
 Concen: 25.84 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.05 min
 Lab File: BF086814.D
 Acq: 8 May 2016 10:34

Instrument :
 BNA_F
 ClientSampleId :
 SS7

Tgt Ion:330 Resp: 72547
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.0 118.4
 141 40.9 31.2 46.8

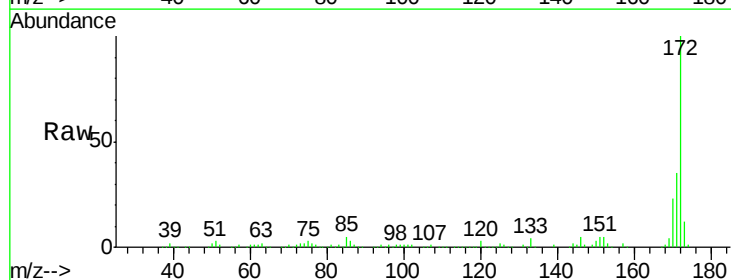


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

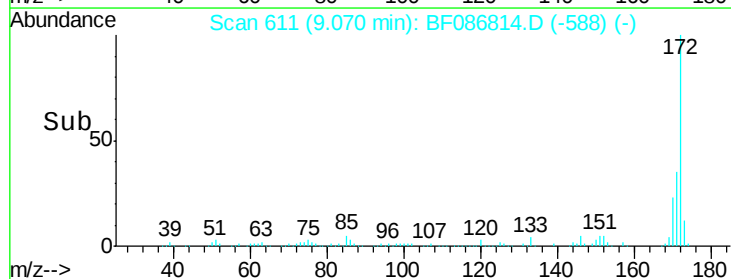
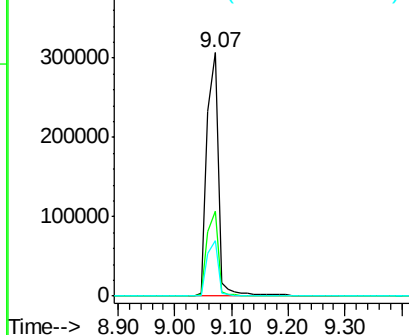


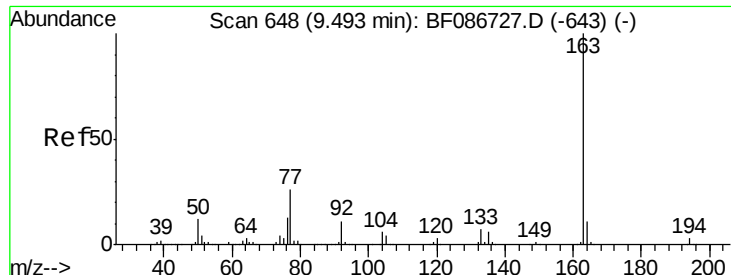
#44
 2-Fluorobiphenyl
 Concen: 23.44 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086814.D
 Acq: 8 May 2016 10:34

Tgt Ion:172 Resp: 410282
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.0 43.6
 170 22.8 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

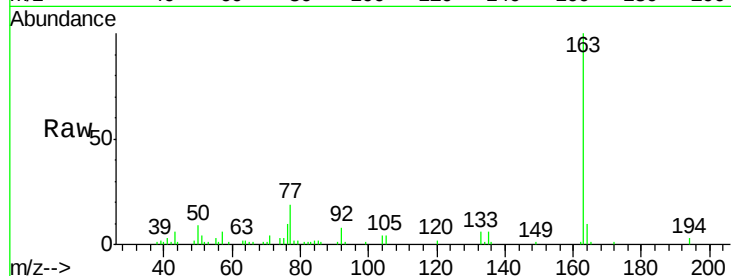




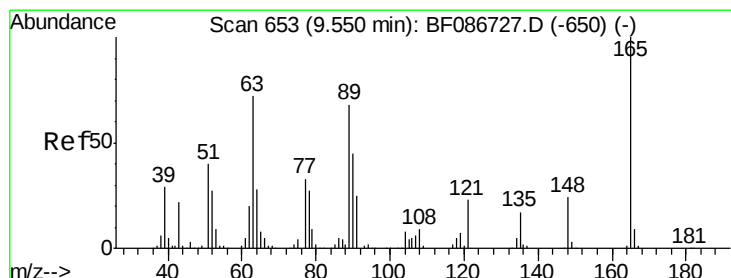
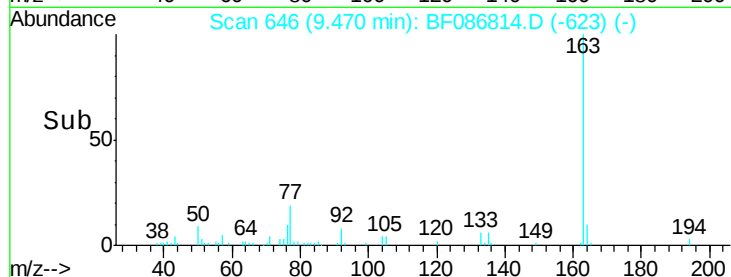
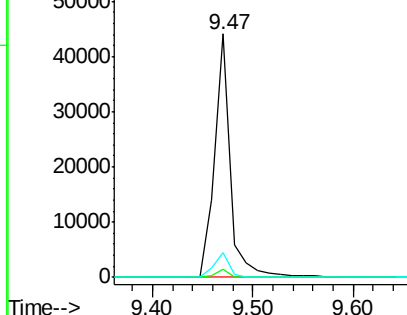
#49
Dimethylphthalate
Concen: 2.24 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF086814.D
Acq: 8 May 2016 10:34

Instrument :
BNA_F
ClientSampleId :
SS7

Tgt Ion:163 Resp: 47971
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.9 8.2 12.4

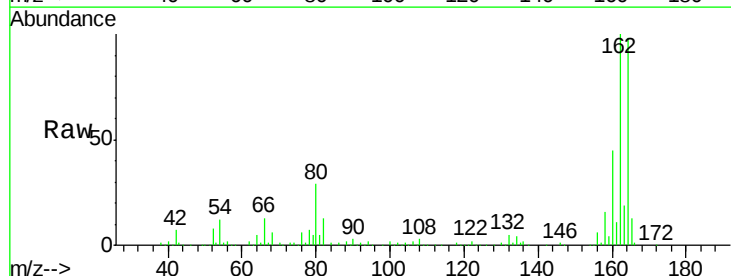


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

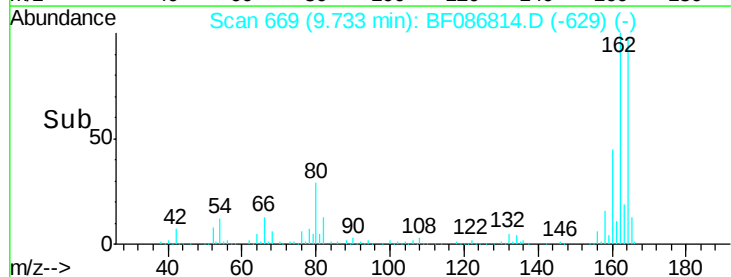
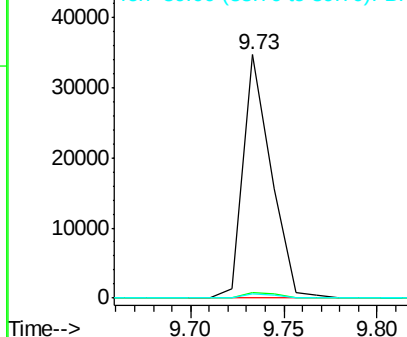


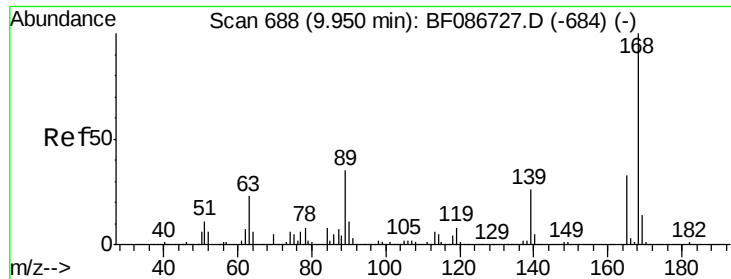
#50
2,6-Dinitrotoluene
Concen: 7.90 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.16 min
Lab File: BF086814.D
Acq: 8 May 2016 10:34

Tgt Ion:165 Resp: 36265
Ion Ratio Lower Upper
165 100
63 2.1 51.8 77.8#
89 1.7 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

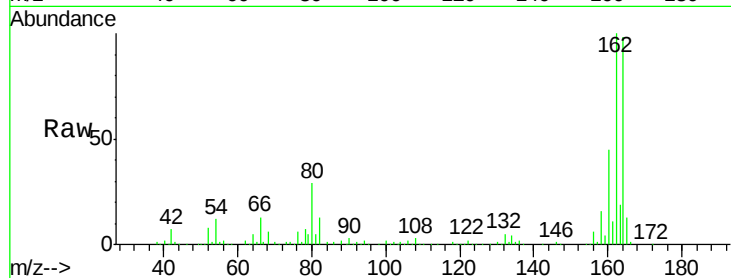




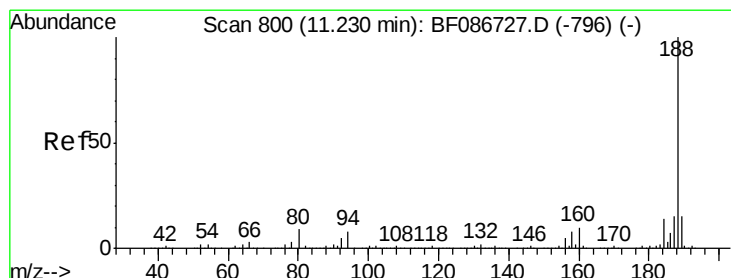
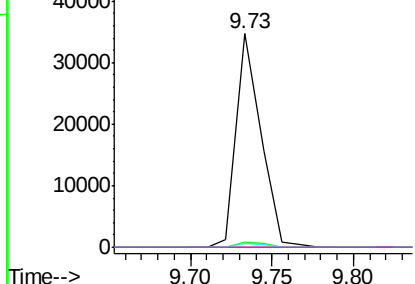
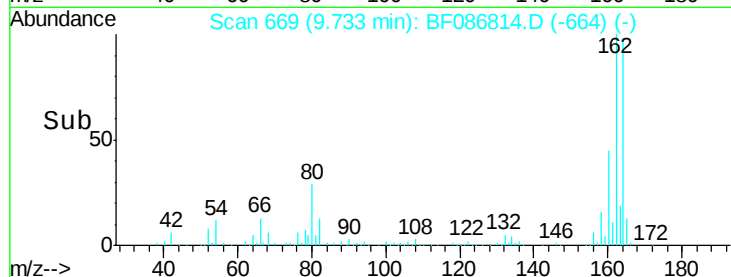
#56
 2,4-Dinitrotoluene
 Concen: 6.37 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.24 min
 Lab File: BF086814.D
 Acq: 8 May 2016 10:34

Instrument :
 BNA_F
 ClientSampleId :
 SS7

Tgt Ion:165 Resp: 36266
 Ion Ratio Lower Upper
 165 100
 63 2.1 44.3 66.5#
 89 1.7 70.0 105.0#
 182 0.0 1.8 2.6#

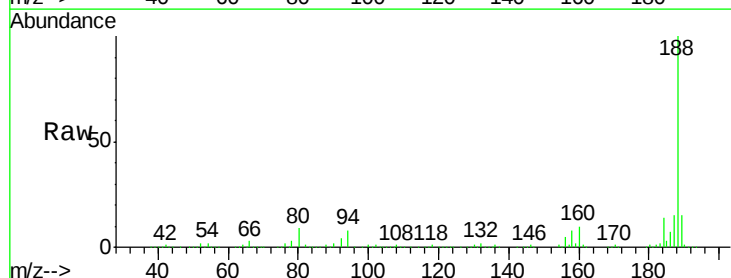


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

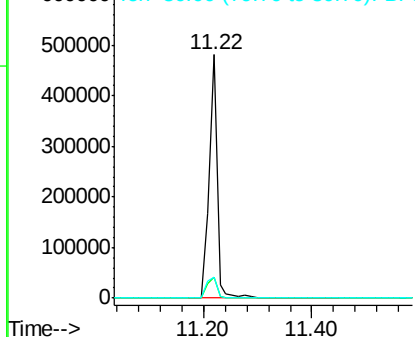
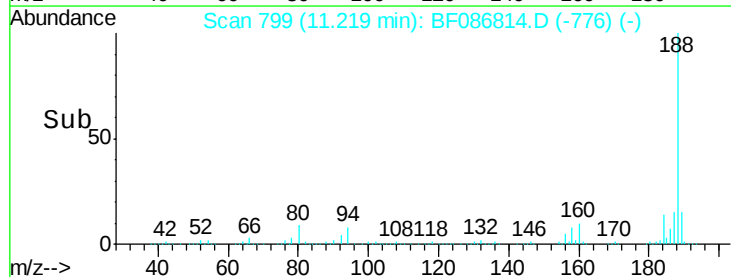


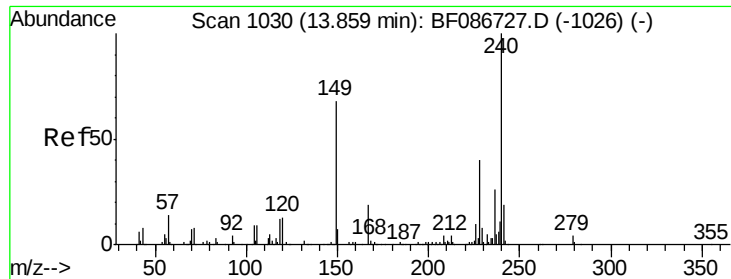
#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086814.D
 Acq: 8 May 2016 10:34

Tgt Ion:188 Resp: 488016
 Ion Ratio Lower Upper
 188 100
 94 8.4 6.8 10.2
 80 8.6 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: 13.85 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

Instrument :

BNA_F

ClientSampleId :

SS7

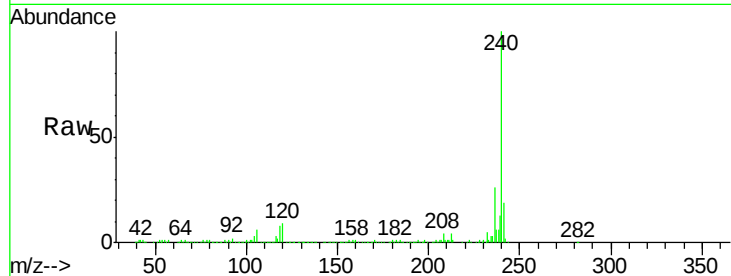
Tgt Ion:240 Resp: 363866

Ion Ratio Lower Upper

240 100

120 9.3 11.2 16.8#

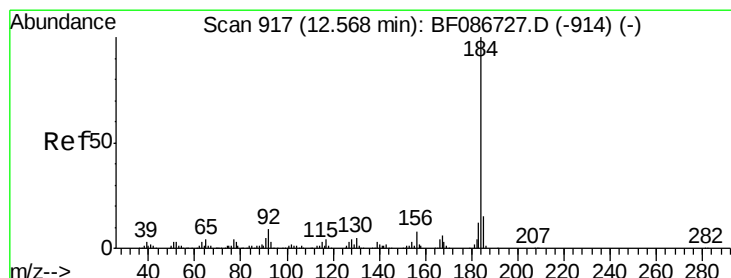
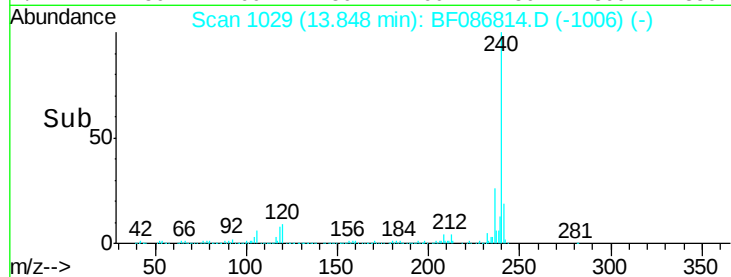
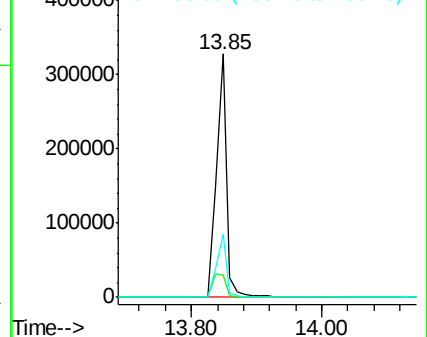
236 26.2 21.2 31.8



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: 7.46 ng

RT: 12.80 min Scan# 937

Delta R.T. 0.21 min

Lab File: BF086814.D

Acq: 8 May 2016 10:34

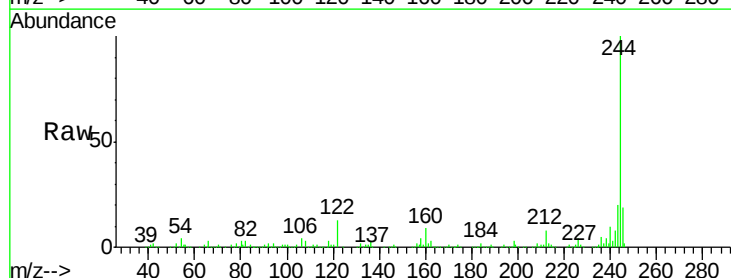
Tgt Ion:184 Resp: 4271

Ion Ratio Lower Upper

184 100

185 17.6 13.6 20.4

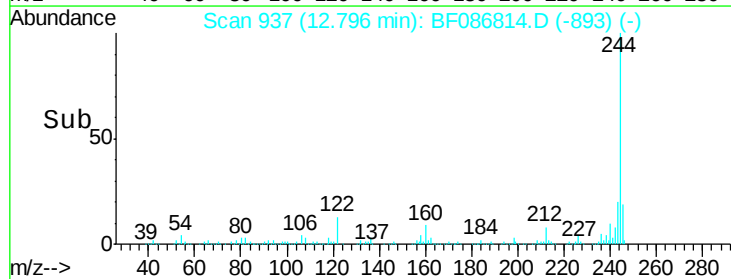
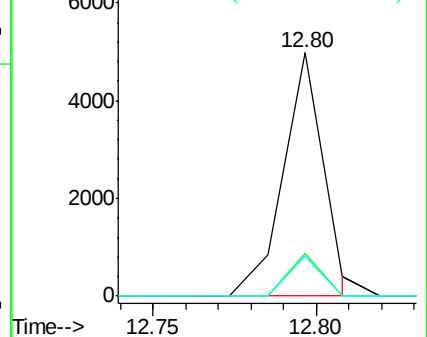
183 16.2 9.8 14.6#

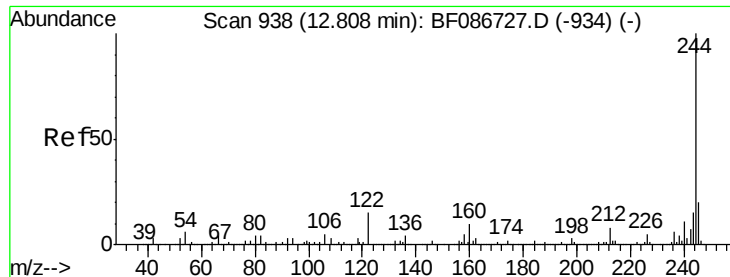


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

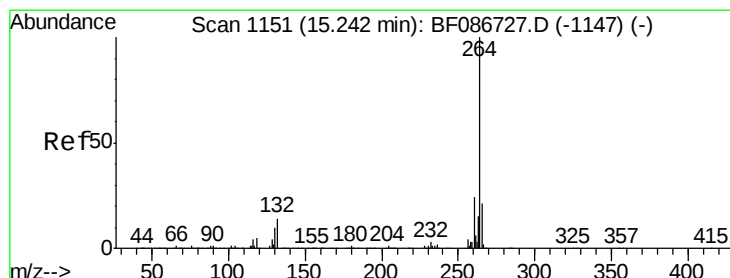
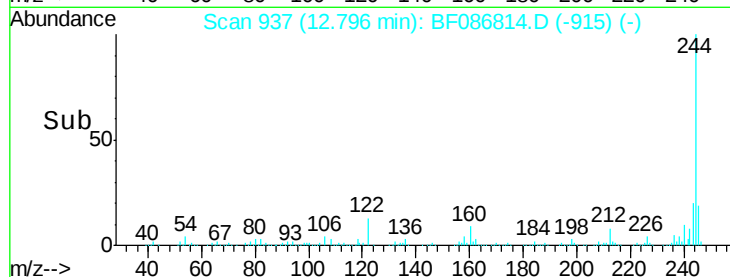
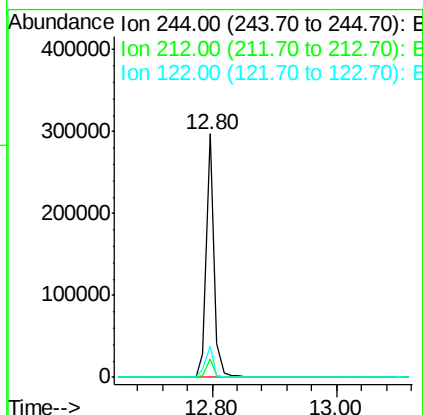
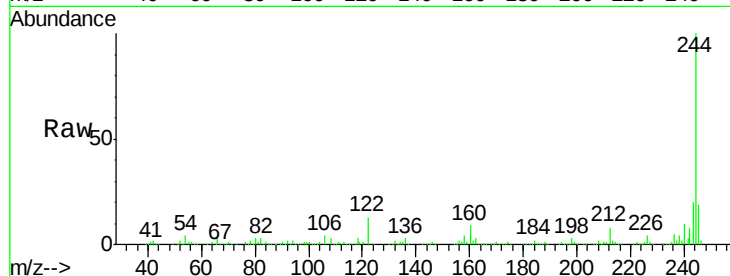




#78
 Terphenyl-d14
 Concen: 14.58 ng
 RT: 12.80 min Scan# 937
 Delta R.T. -0.05 min
 Lab File: BF086814.D
 Acq: 8 May 2016 10:34

Instrument :
 BNA_F
 ClientSampleId :
 SS7

Tgt Ion:244 Resp: 262526
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 12.8 12.0 18.0



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 15.22 min Scan# 1149
 Delta R.T. -0.05 min
 Lab File: BF086814.D
 Acq: 8 May 2016 10:34

Tgt Ion:264 Resp: 320326
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.5 29.3
 265 22.1 17.3 25.9

