

Data Path : Z:\HPCHEM1\BNA_F\Data\BF050616\
 Data File : BF086772.D
 Acq On : 7 May 2016 14:17
 Operator : UM/SJ
 Sample : H2878-02
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MJQUILLFIELD BLANK-1-5-03-16

Quant Time: May 07 23:50:18 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

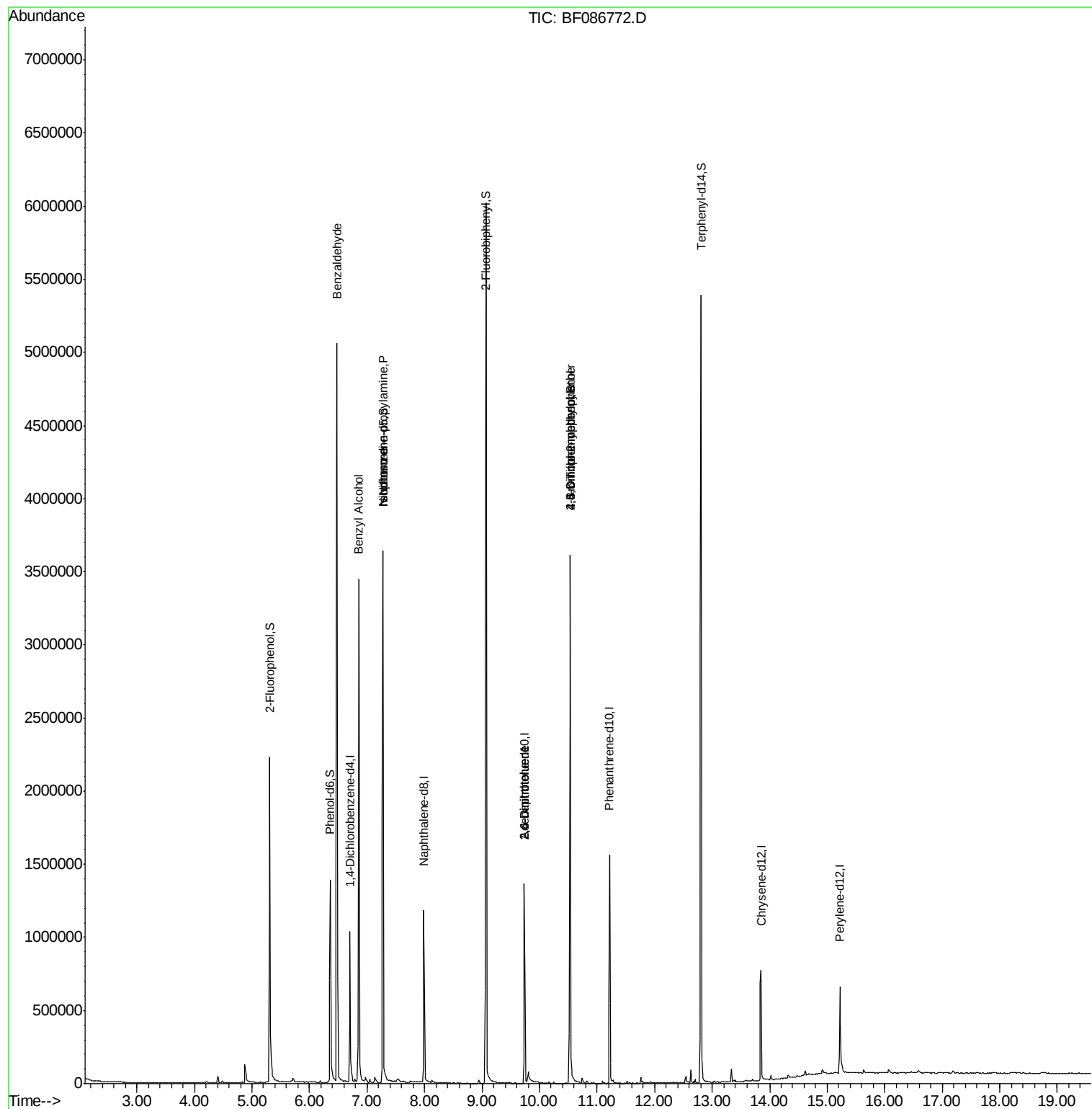
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	168061	40.00	ng	-0.03
21) Naphthalene-d8	7.98	136	667141	40.00	ng	-0.05
38) Acenaphthene-d10	9.73	164	326642	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	623419	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	393554	40.00	ng	-0.03
86) Perylene-d12	15.22	264	301177	40.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	723641	71.28	ng	-0.01
7) Phenol-d6	6.36	99	568711	41.59	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1311634	101.03	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	584510	182.93	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2156663	108.23	ng	-0.03
78) Terphenyl-d14	12.81	244	1952942	100.29	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.48	77	35203	5.16	ng	# 73
15) Benzyl Alcohol	6.85	79	24084	2.72	ng	# 43
19) n-Nitroso-di-n-propylamine	7.28	70	187880	20.11	ng	# 72
25) Isophorone	7.28	82	1264365	52.30	ng	# 68
50) 2,6-Dinitrotoluene	9.73	165	41323	7.91	ng	# 21
56) 2,4-Dinitrotoluene	9.73	165	41549	6.42	ng	# 16
64) 4,6-Dinitro-2-methylphenol	10.53	198	1333	5.69	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	36249	5.85	ng	# 1

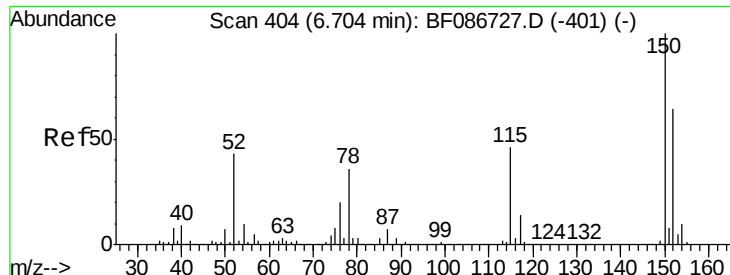
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

Instrument :

BNA_F

ClientSampleId :

MJQUILLFIELDBLANK-1-5-03-16

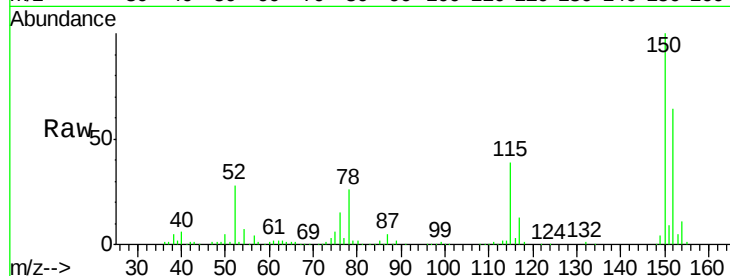
Tgt Ion:152 Resp: 168061

Ion Ratio Lower Upper

152 100

150 156.9 125.8 188.6

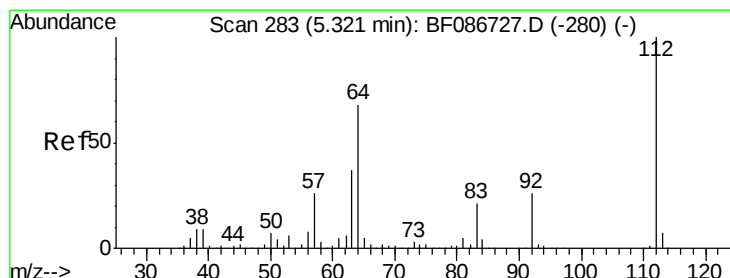
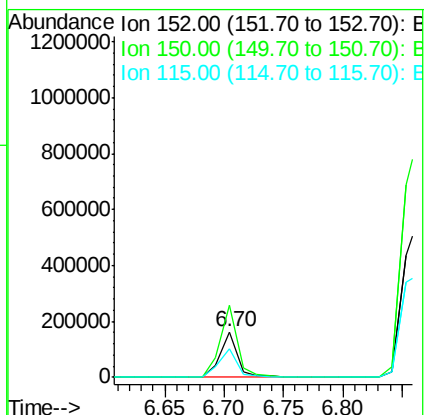
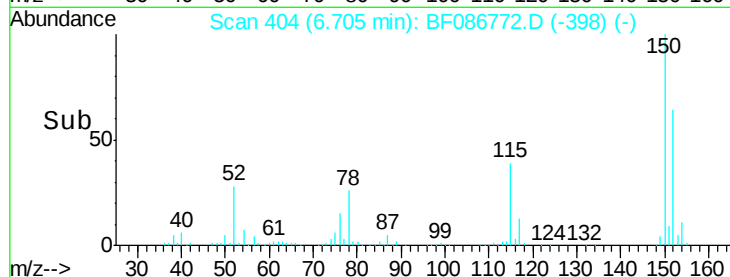
115 61.6 51.5 77.3



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: 71.28 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

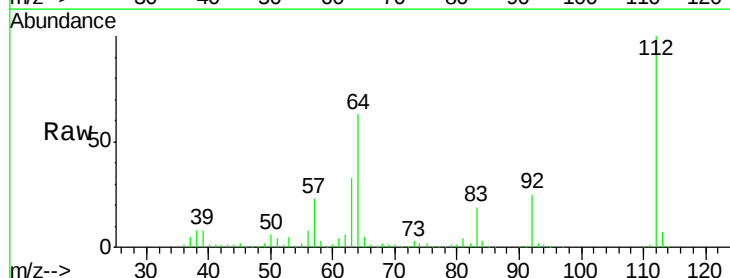
Tgt Ion:112 Resp: 723641

Ion Ratio Lower Upper

112 100

64 62.8 52.1 78.1

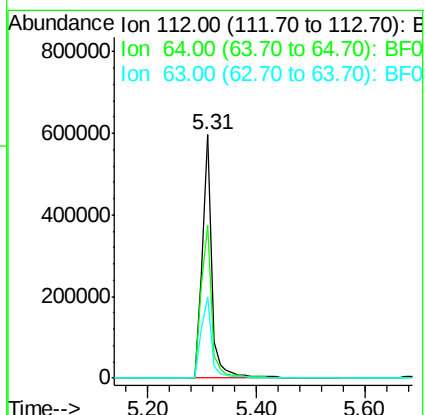
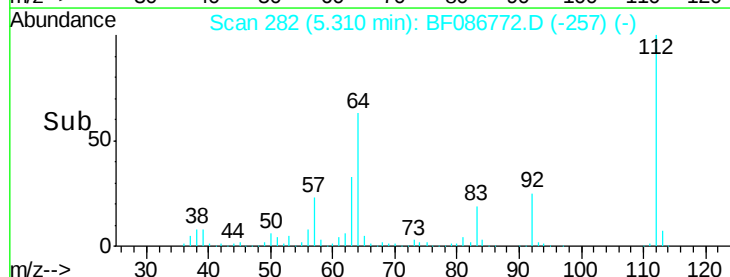
63 33.5 25.7 38.5

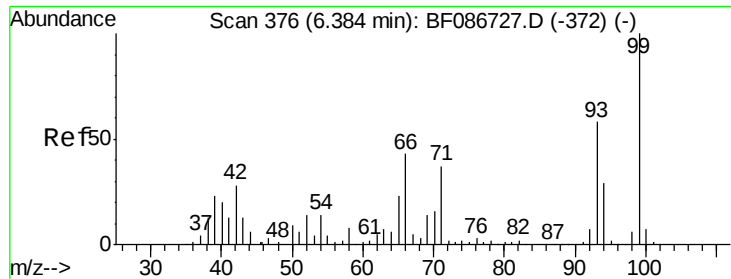


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 41.59 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

Instrument :

BNA_F

ClientSampleId :

MJQUILLFIELD BLANK-1-5-03-16

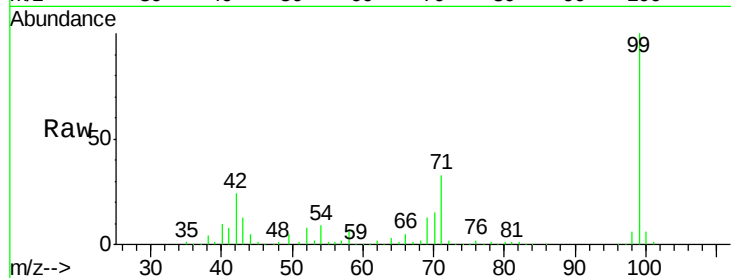
Tgt Ion: 99 Resp: 568711

Ion Ratio Lower Upper

99 100

42 24.5 13.6 20.4#

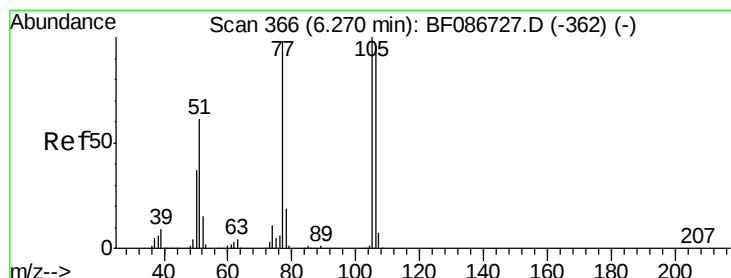
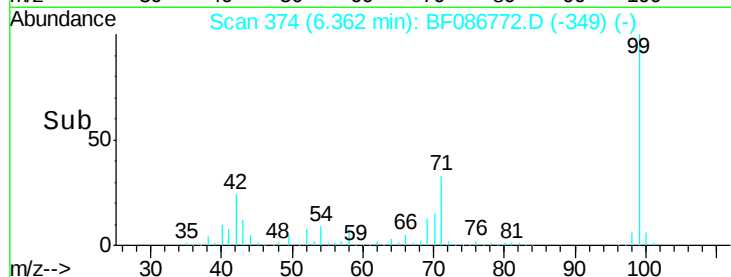
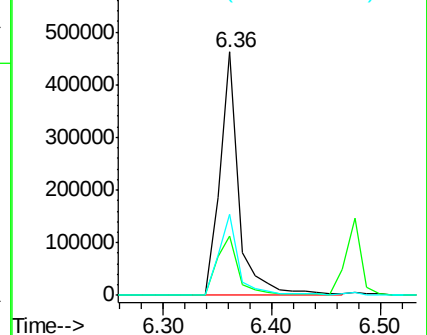
71 33.4 24.6 36.8



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



#9

Benzaldehyde

Concen: 5.16 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.19 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

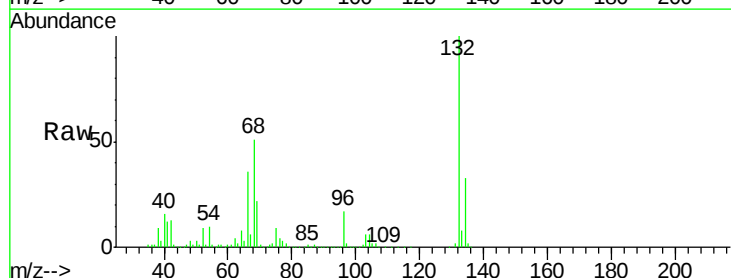
Tgt Ion: 77 Resp: 35203

Ion Ratio Lower Upper

77 100

105 71.3 72.7 112.7#

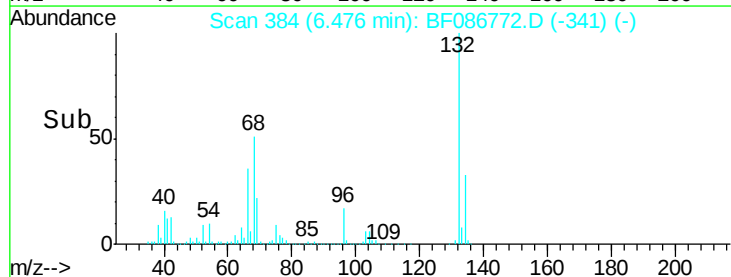
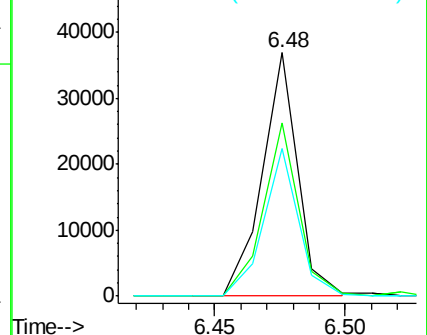
106 60.6 70.8 110.8#

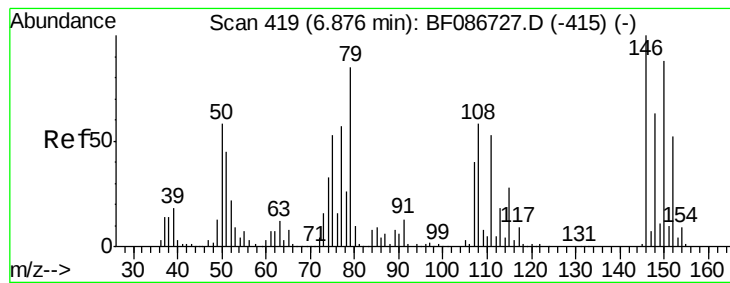


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.72 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.03 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

Instrument :

BNA_F

ClientSampleId :

MJQUILLFIELDBLANK-1-5-03-16

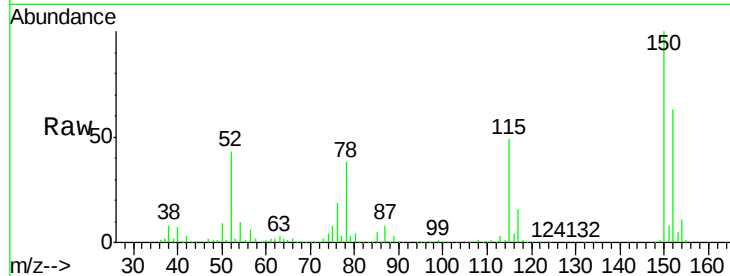
Tgt Ion: 79 Resp: 24084

Ion Ratio Lower Upper

79 100

108 28.6 68.4 102.6#

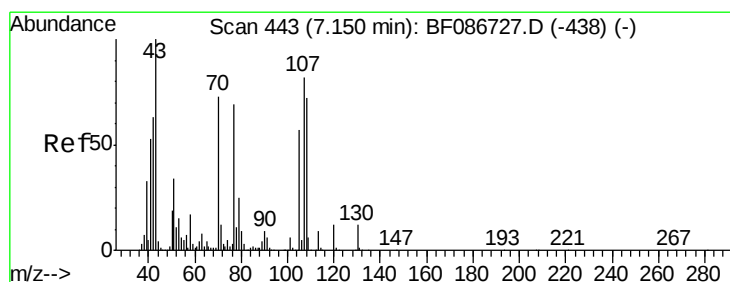
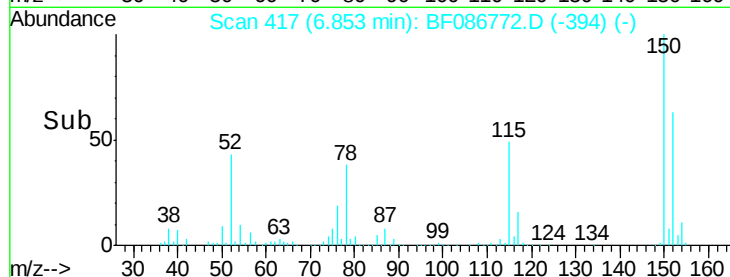
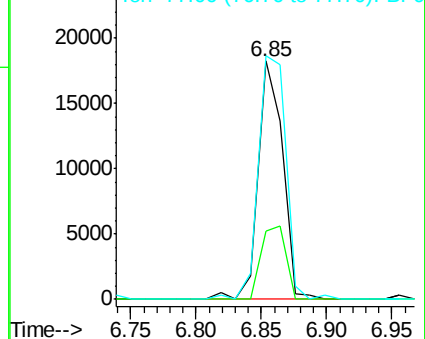
77 102.2 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 20.11 ng

RT: 7.28 min Scan# 454

Delta R.T. 0.11 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

Tgt Ion: 70 Resp: 187880

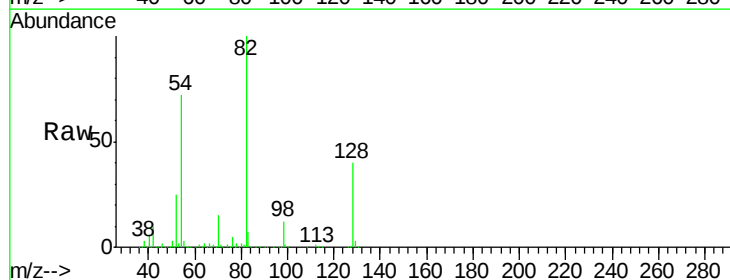
Ion Ratio Lower Upper

70 100

42 69.2 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#

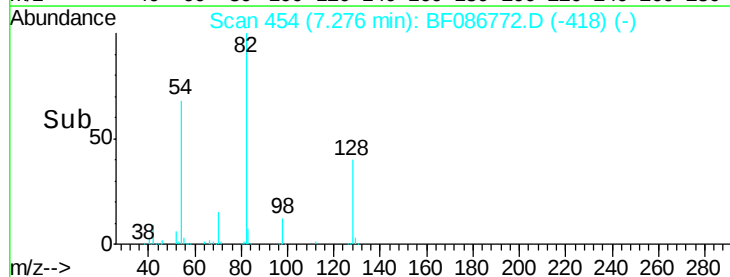
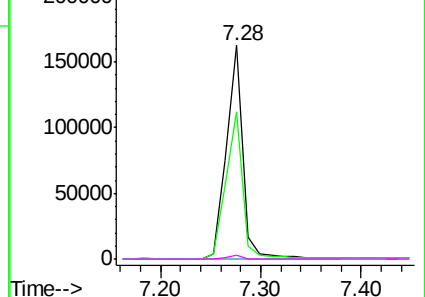


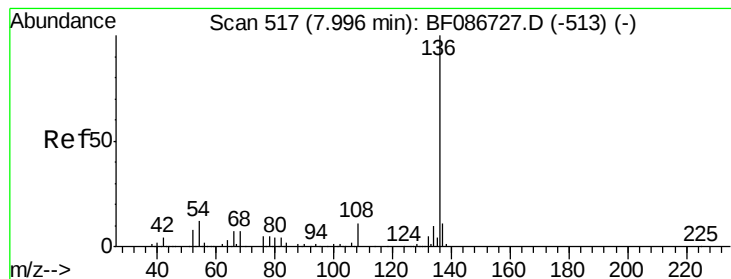
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF086772.D

Acq: 7 May 2016 14:17

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MJQUILLFIELD BLANK-1-5-03-16

Tgt Ion: 136 Resp: 667141

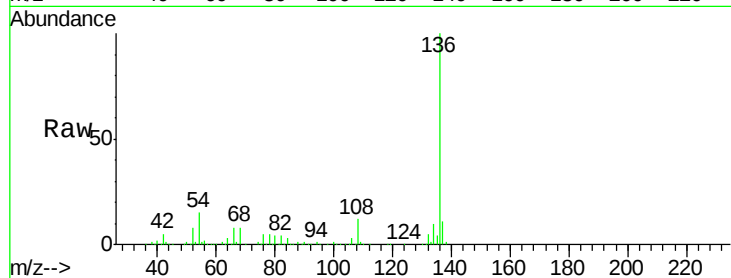
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 14.6 5.0 7.4#

68 7.9 4.4 6.6#

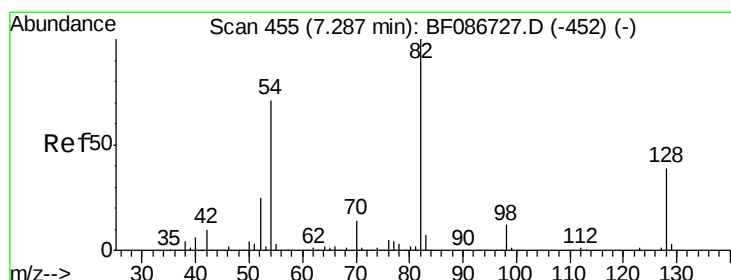
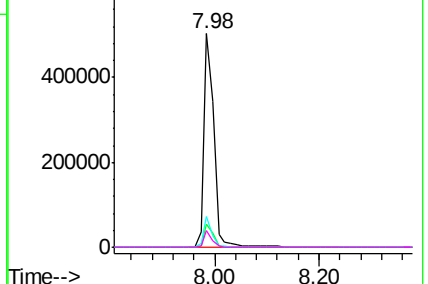
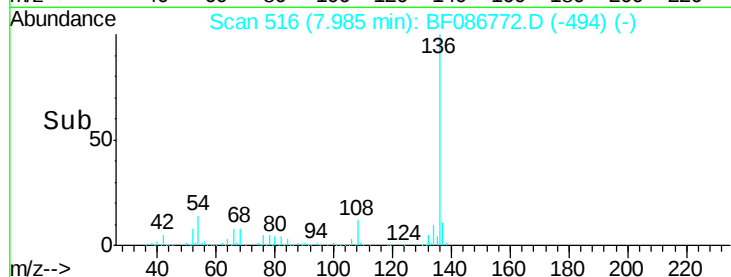


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.03 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

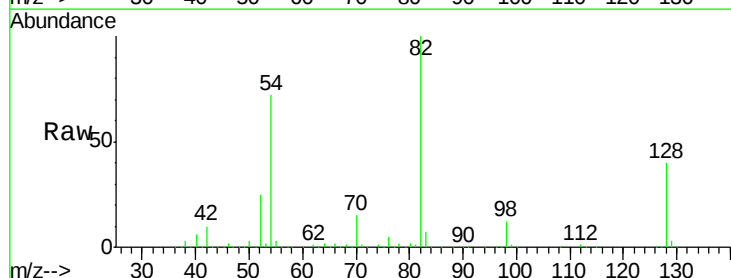
Tgt Ion: 82 Resp: 1311634

Ion Ratio Lower Upper

82 100

128 39.8 40.6 61.0#

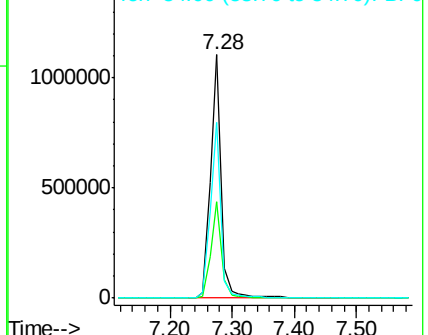
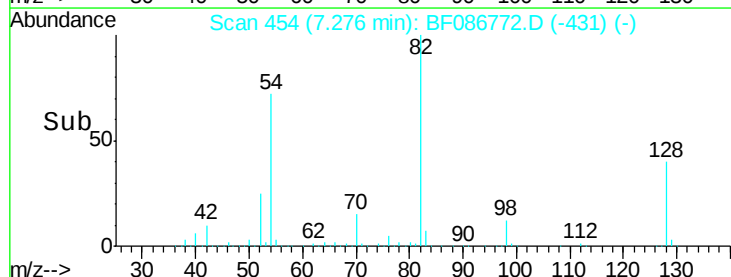
54 72.0 38.1 57.1#

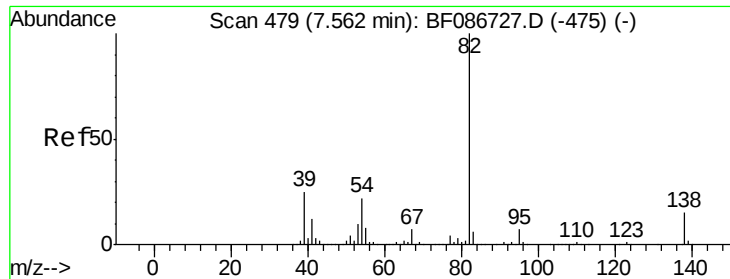


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 52.30 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.30 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

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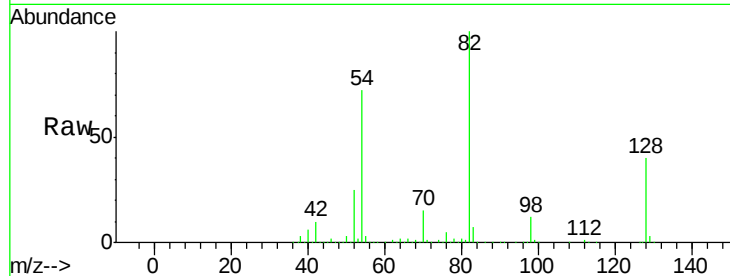
Tgt Ion: 82 Resp: 1264365

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

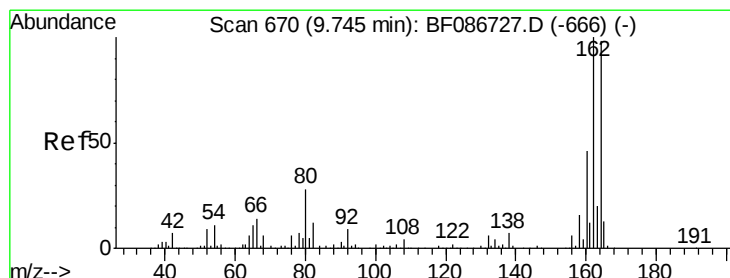
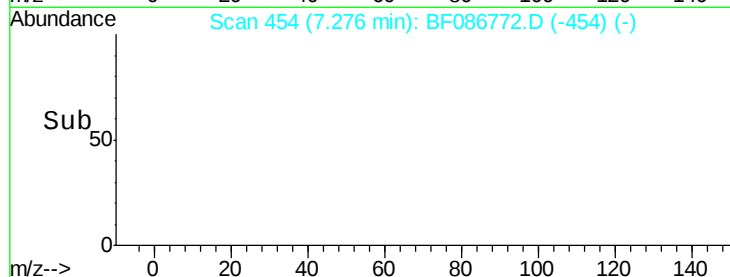
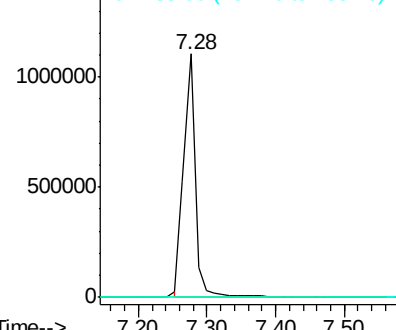
138 0.0 12.4 18.6#



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: BF086772.D

Acq: 7 May 2016 14:17

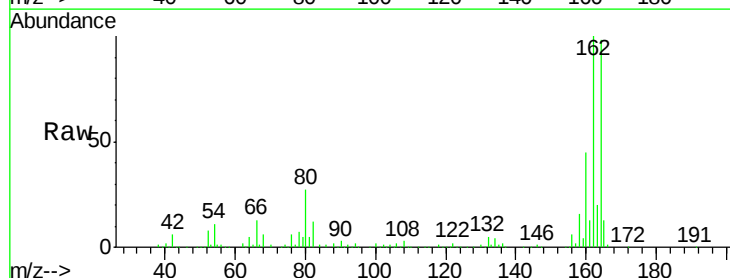
Tgt Ion: 164 Resp: 326642

Ion Ratio Lower Upper

164 100

162 102.0 82.8 124.2

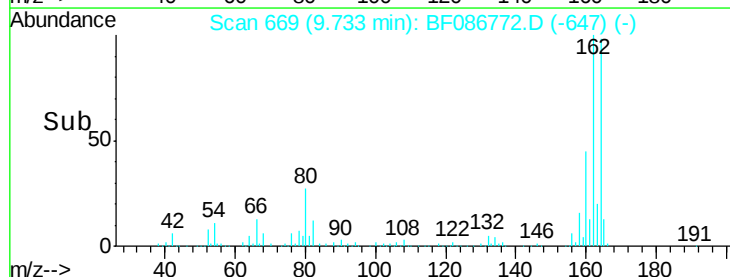
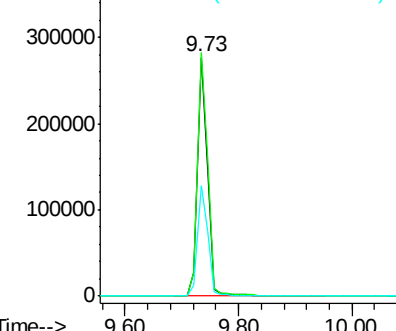
160 46.2 36.9 55.3

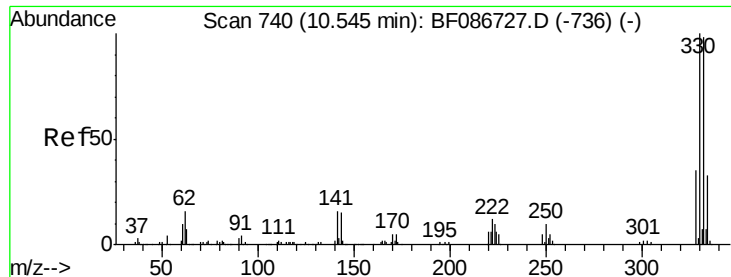


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

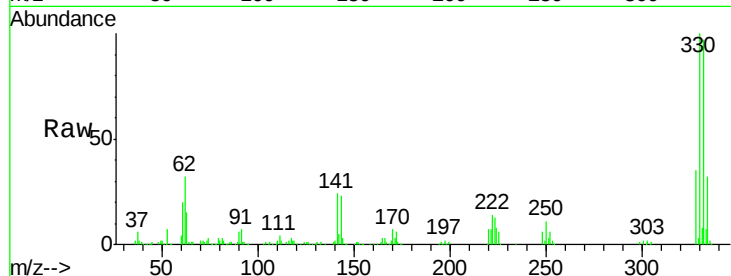




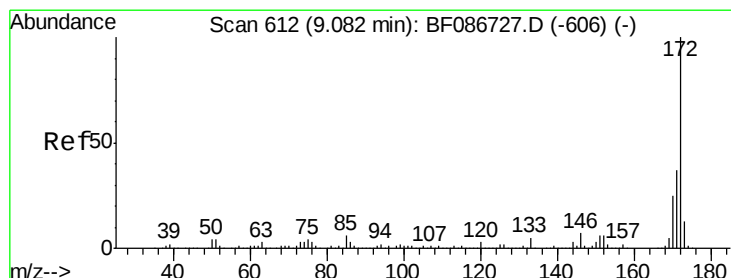
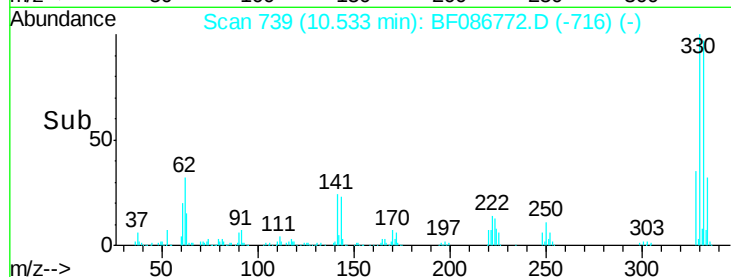
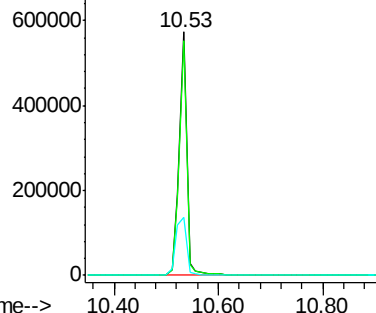
#41
 2,4,6-Tribromophenol
 Concen: 182.93 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086772.D
 Acq: 7 May 2016 14:17

Instrument :
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 MJQUILLFIELDBLANK-1-5-03-16

Tgt Ion:330 Resp: 584510
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.0 118.4
 141 34.5 31.2 46.8

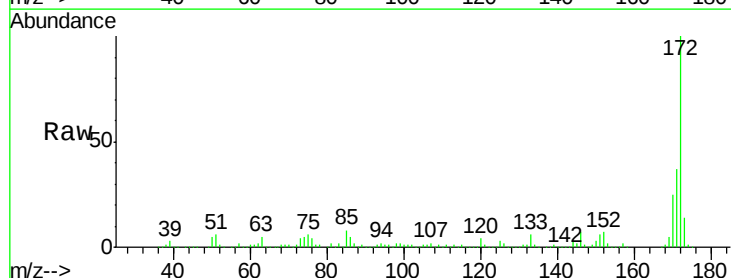


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

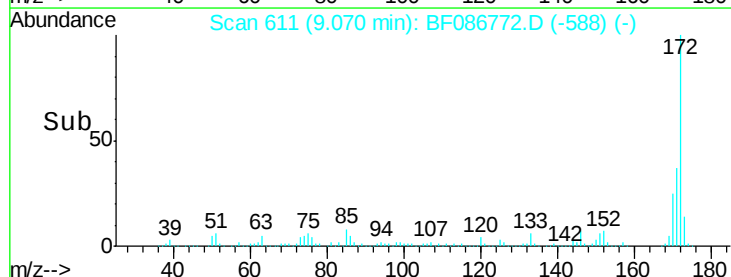
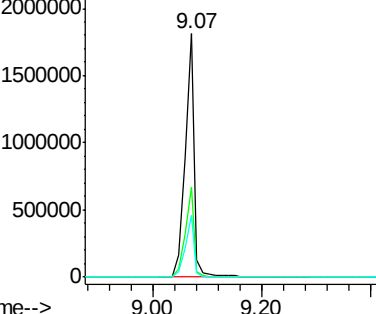


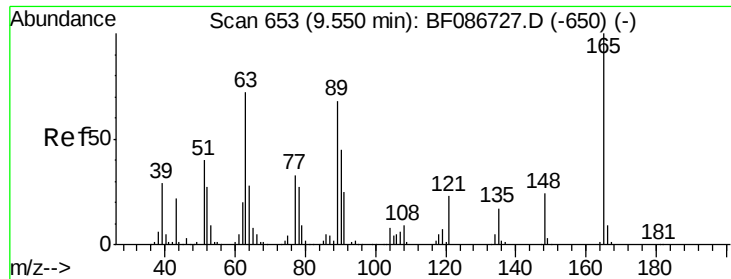
#44
 2-Fluorobiphenyl
 Concen: 108.23 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086772.D
 Acq: 7 May 2016 14:17

Tgt Ion:172 Resp: 2156663
 Ion Ratio Lower Upper
 172 100
 171 37.1 29.0 43.6
 170 25.4 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

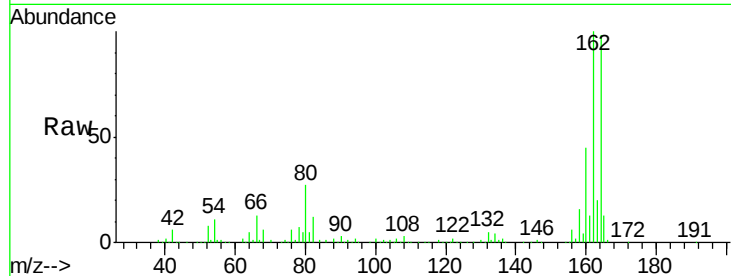




#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.73 min Scan# 669
 Delta R.T. 0.16 min
 Lab File: BF086772.D
 Acq: 7 May 2016 14:17

Instrument :
 BNA_F
 ClientSampleId :
 MJQUILLFIELDBLANK-1-5-03-16

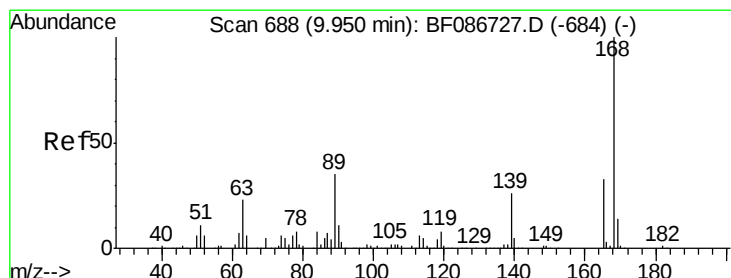
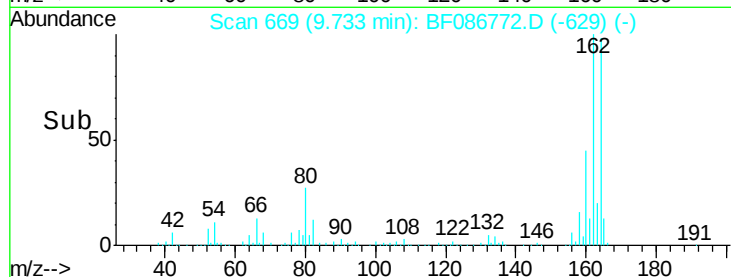
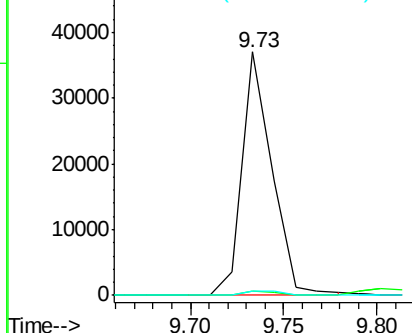
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	51.8	77.8#
89	1.9	50.7	76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

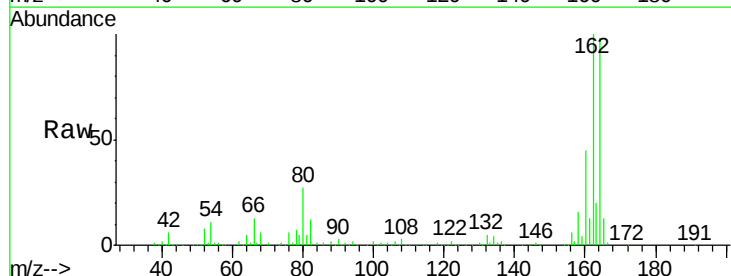
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.42 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.24 min
 Lab File: BF086772.D
 Acq: 7 May 2016 14:17

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

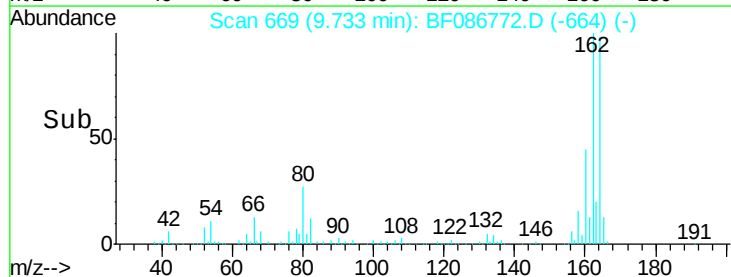
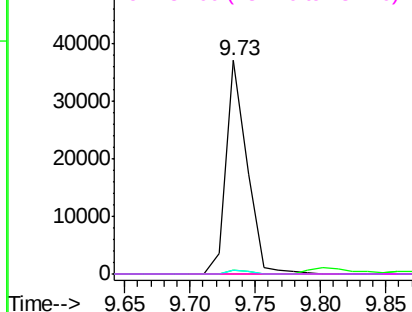


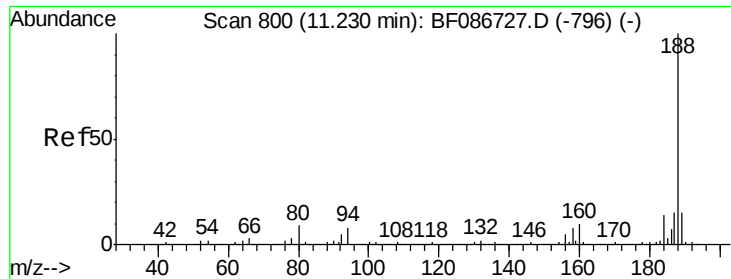
Abundance Ion 165.00 (164.70 to 165.70): E

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

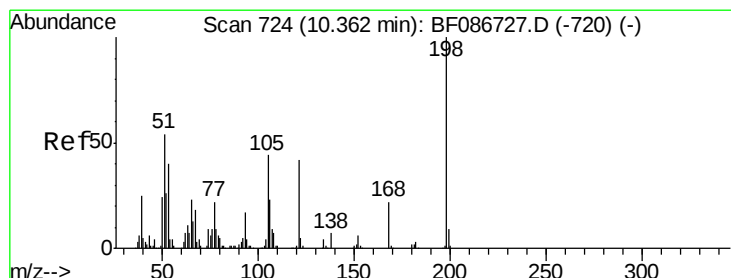
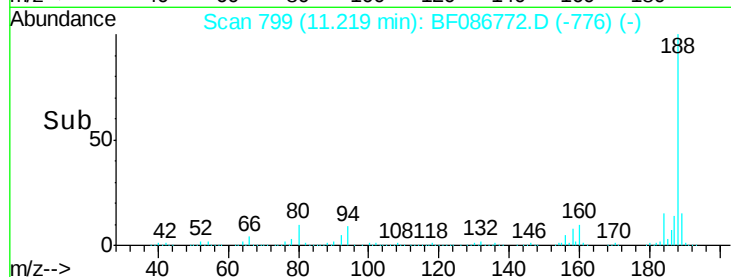
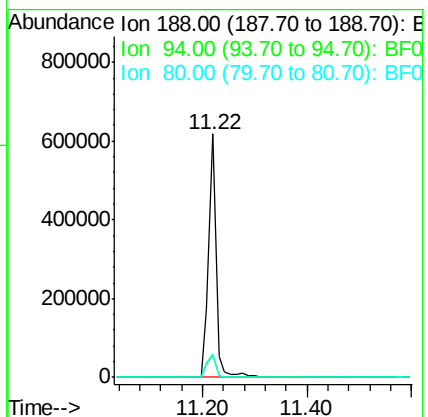
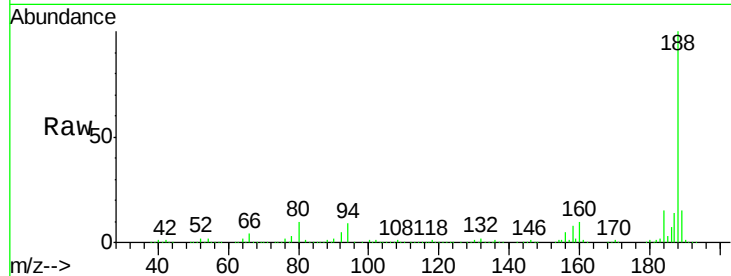




#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.03 min
 Lab File: BF086772.D
 Acq: 7 May 2016 14:17

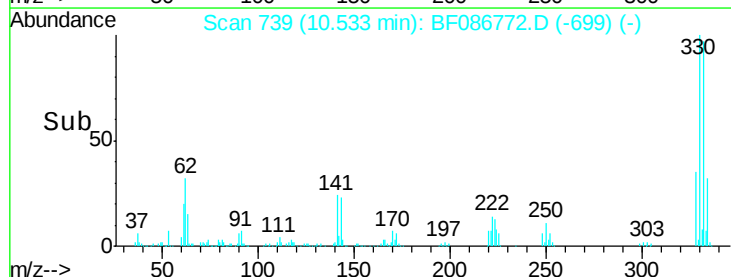
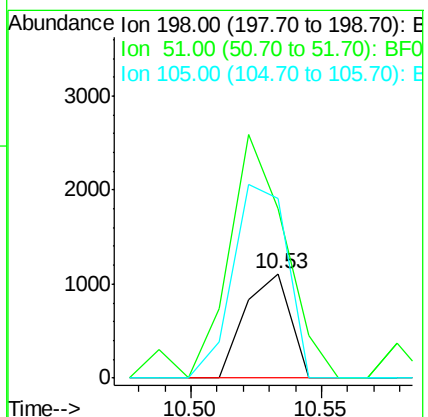
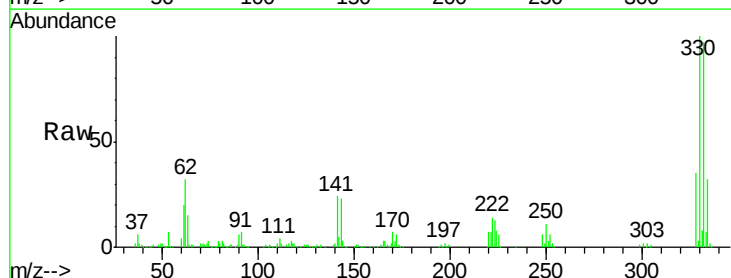
Instrument :
 BNA_F
 ClientSampleId :
 MJQUILLFIELDBLANK-1-5-03-16

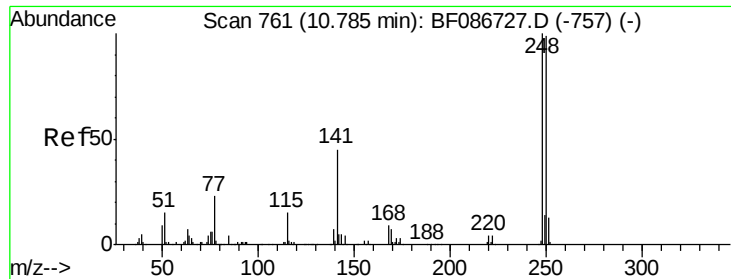
Tgt Ion:188 Resp: 623419
 Ion Ratio Lower Upper
 188 100
 94 8.9 6.8 10.2
 80 9.7 7.1 10.7



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.69 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.16 min
 Lab File: BF086772.D
 Acq: 7 May 2016 14:17

Tgt Ion:198 Resp: 1333
 Ion Ratio Lower Upper
 198 100
 51 161.7 20.5 60.5#
 105 171.9 24.5 64.5#

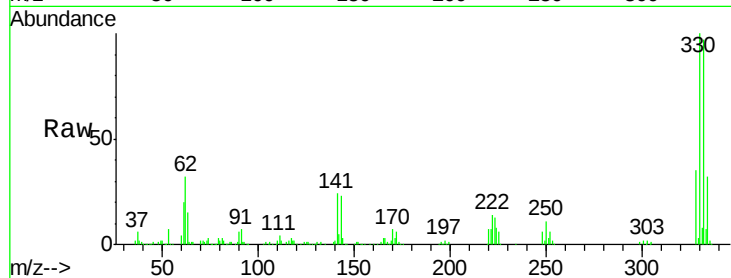




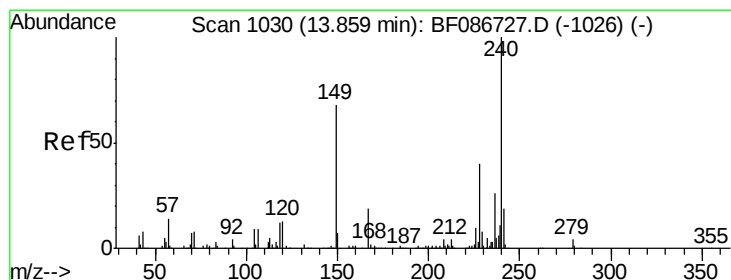
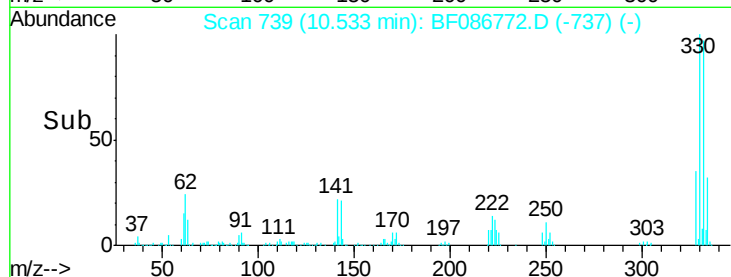
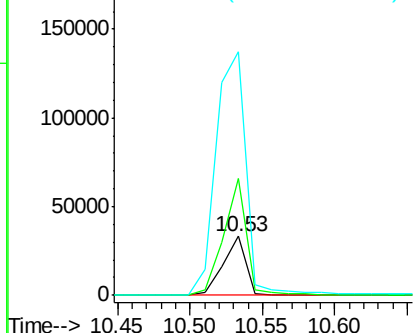
#66
4-Bromophenyl-phenylether
Concen: 5.85 ng
RT: 10.53 min Scan# 739
Delta R.T. -0.27 min
Lab File: BF086772.D
Acq: 7 May 2016 14:17

Instrument :
BNA_F
ClientSampleId :
MJQUILLFIELD BLANK-1-5-03-16

Tgt Ion: 248 Resp: 36249
Ion Ratio Lower Upper
248 100
250 197.9 78.6 117.8#
141 413.6 76.0 114.0#

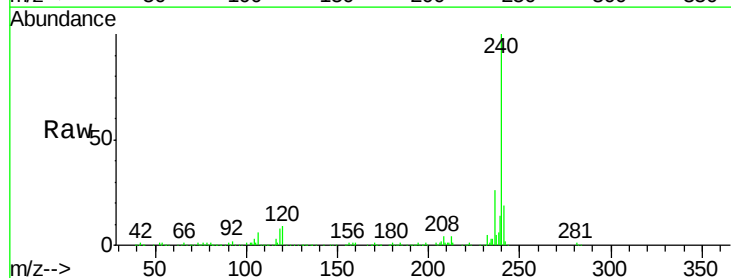


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

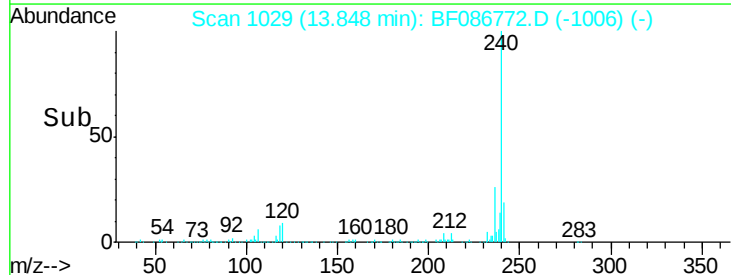
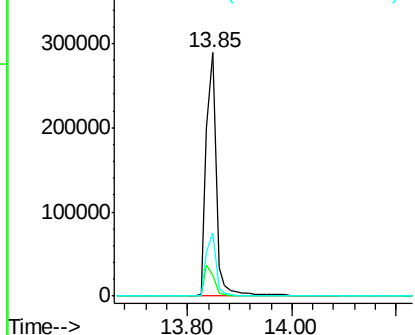


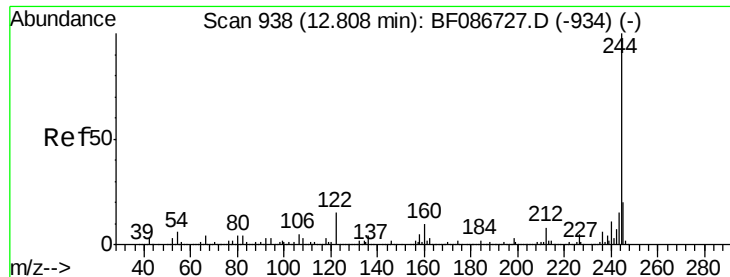
#75
Chrysene-d12
Concen: 40.00 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF086772.D
Acq: 7 May 2016 14:17

Tgt Ion: 240 Resp: 393554
Ion Ratio Lower Upper
240 100
120 8.8 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





#78

Terphenyl-d14

Concen: 100.29 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.03 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

Instrument :

BNA_F

ClientSampleId :

MJQUILLFIELDBLANK-1-5-03-16

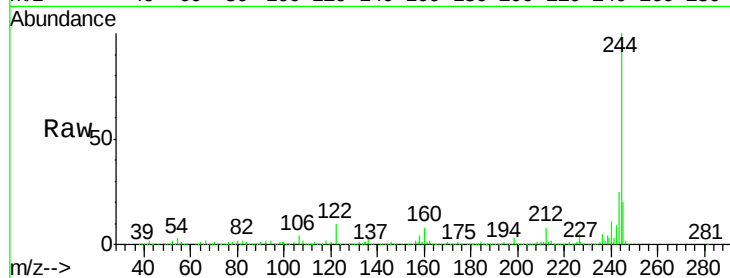
Tgt Ion:244 Resp: 1952942

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

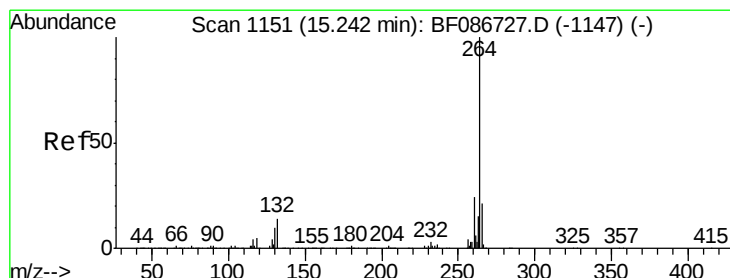
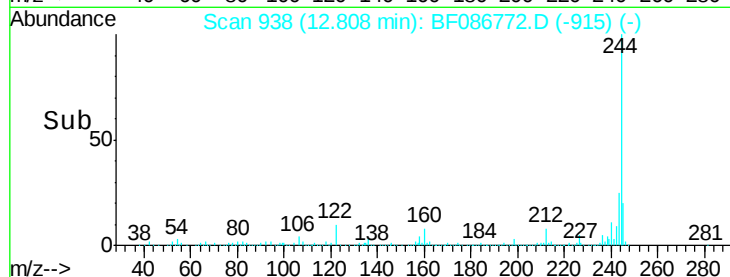
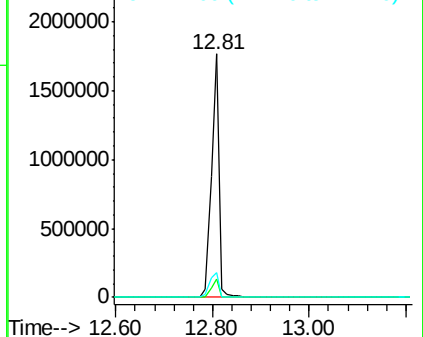
122 10.2 12.0 18.0#



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: 15.22 min Scan# 1149

Delta R.T. -0.05 min

Lab File: BF086772.D

Acq: 7 May 2016 14:17

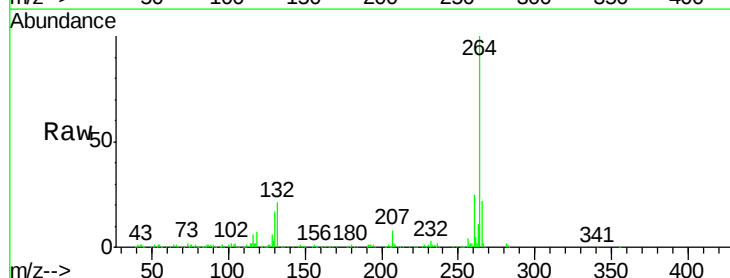
Tgt Ion:264 Resp: 301177

Ion Ratio Lower Upper

264 100

260 24.6 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

