

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050616\
 Data File : BF086736.D
 Acq On : 6 May 2016 21:01
 Operator : UM/SJ
 Sample : H2802-07
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 07 03:27:16 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 07 03:18:46 2016
 Response via : Initial Calibration

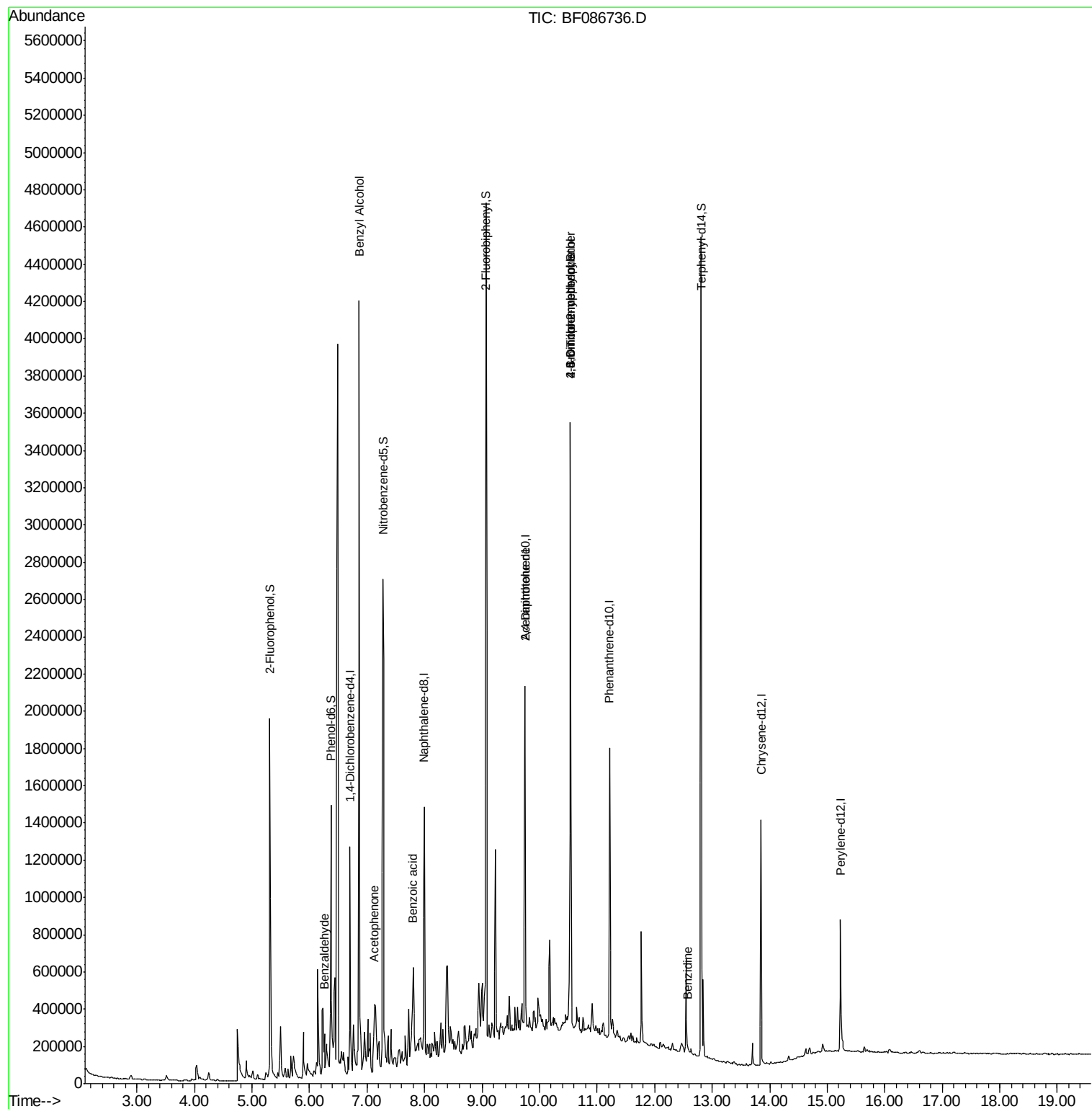
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	168594	40.00	ng	0.00
21) Naphthalene-d8	8.00	136	702960	40.00	ng	0.00
38) Acenaphthene-d10	9.74	164	326562	40.00	ng	0.00
63) Phenanthrene-d10	11.22	188	540331	40.00	ng	-0.01
75) Chrysene-d12	13.85	240	434848	40.00	ng	-0.01
86) Perylene-d12	15.23	264	323173	40.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	579832	56.94	ng	-0.01
7) Phenol-d6	6.37	99	465698	33.95	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1233437	90.17	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	450239	140.94	ng	-0.01
44) 2-Fluorobiphenyl	9.07	172	1821849	91.45	ng	-0.01
78) Terphenyl-d14	12.81	244	1335382	62.06	ng	0.00
Target Compounds						
9) Benzaldehyde	6.26	77	37170	5.43	ng	Qvalue 95
15) Benzyl Alcohol	6.86	79	31696	3.57	ng	# 43
22) Acetophenone	7.13	105	41621	2.54	ng	# 87
32) Benzoic acid	7.80	122	40679	16.18	ng	# 77
56) 2,4-Dinitrotoluene	9.74	165	44135	6.82	ng	# 25
64) 4,6-Dinitro-2-methylphenol	10.53	198	703	5.50	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	25940	4.83	ng	# 1
76) Benzydine	12.57	184	1184	7.18	ng	# 1

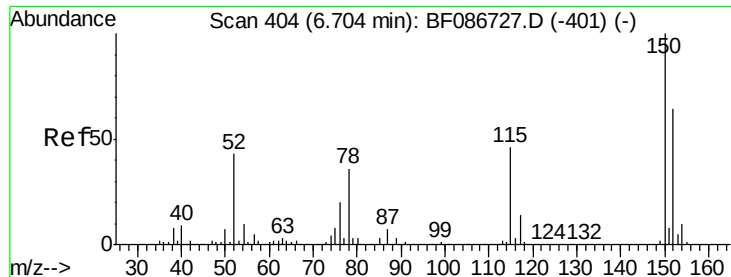
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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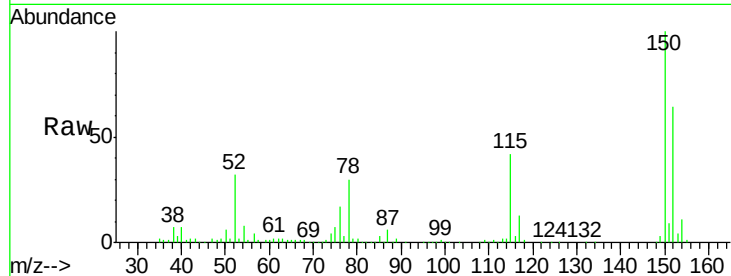


#1

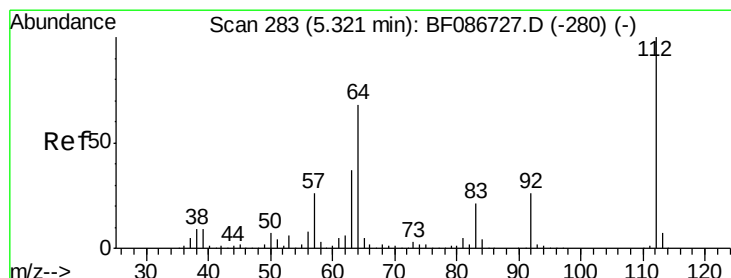
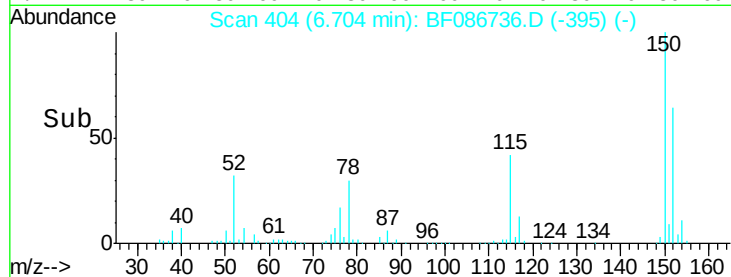
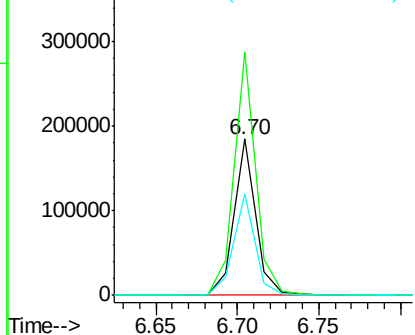
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.70 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF086736.D
Acq: 6 May 2016 21:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 168594
Ion Ratio Lower Upper
152 100
150 155.6 125.8 188.6
115 64.8 51.5 77.3



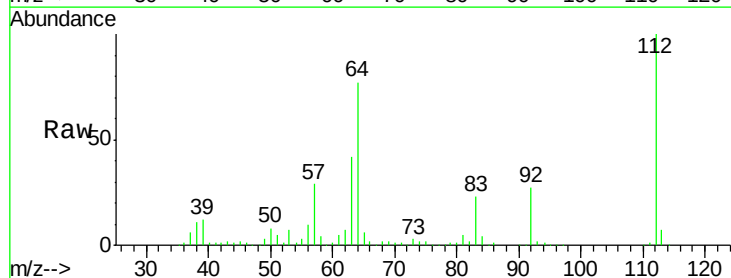
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



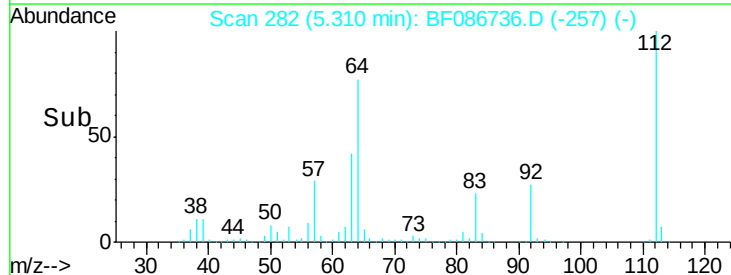
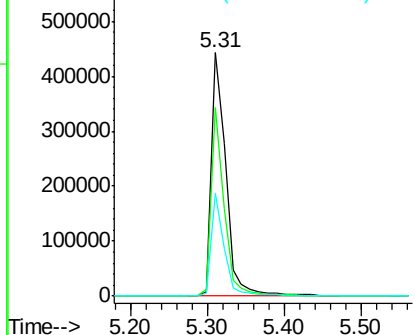
#5

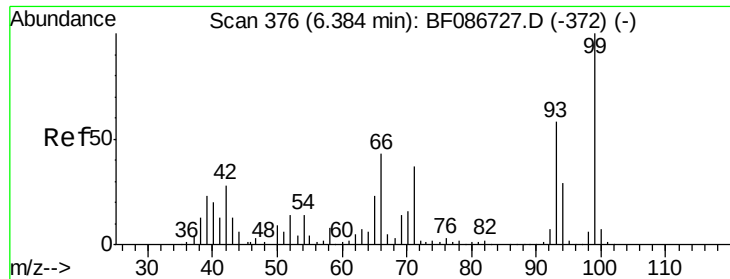
2-Fluorophenol
Concen: 56.94 ng
RT: 5.31 min Scan# 282
Delta R.T. -0.01 min
Lab File: BF086736.D
Acq: 6 May 2016 21:01

Tgt Ion:112 Resp: 579832
Ion Ratio Lower Upper
112 100
64 77.2 52.1 78.1
63 42.3 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: 33.95 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.01 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

Instrument :

BNA_F

ClientSampleId :

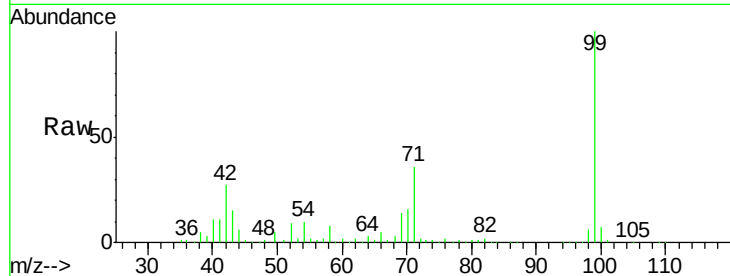
Tot Ion: 99 Resp: 465698

Ion Ratio Lower Upper

99 100

42 27.3 13.6 20.4#

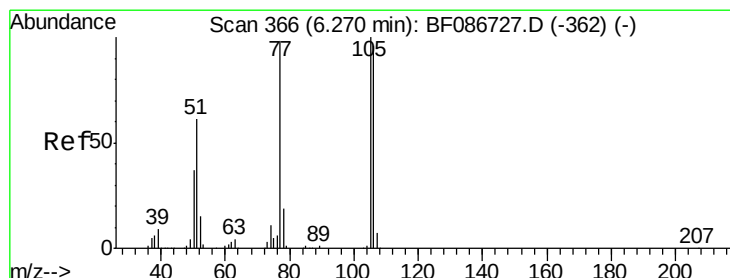
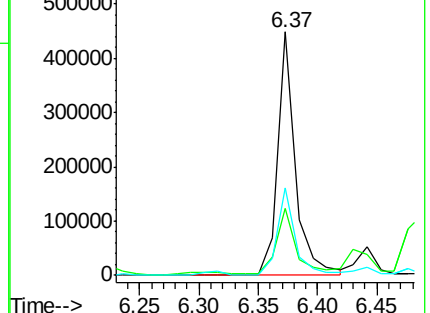
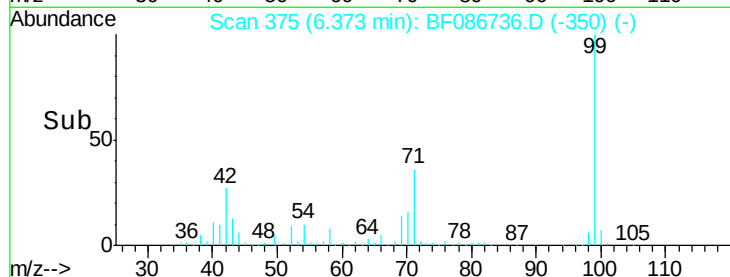
71 36.1 24.6 36.8



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: 5.43 ng

RT: 6.26 min Scan# 365

Delta R.T. -0.01 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

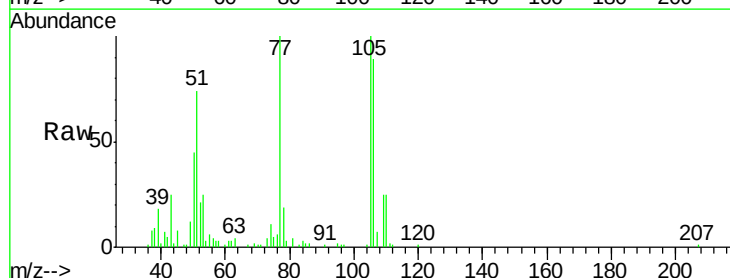
Tgt Ion: 77 Resp: 37170

Ion Ratio Lower Upper

77 100

105 99.8 72.7 112.7

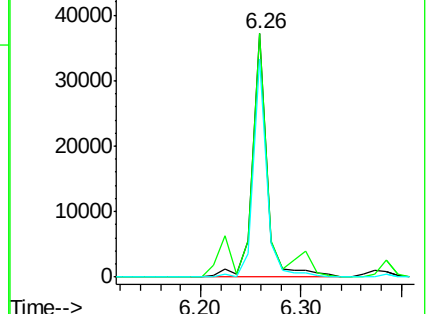
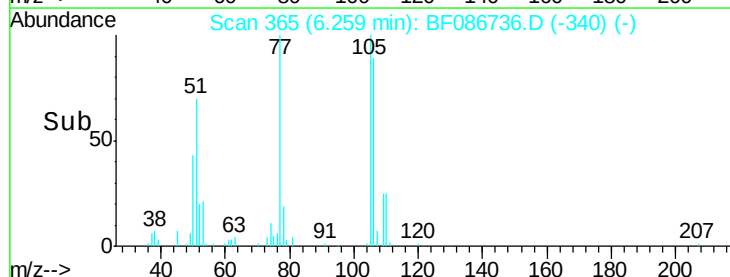
106 89.3 70.8 110.8

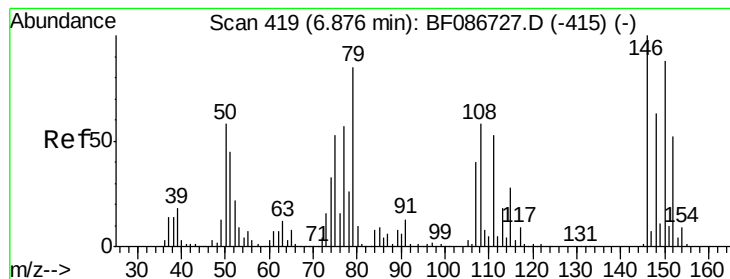


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 3.57 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

Instrument :

BNA_F

ClientSampleId :

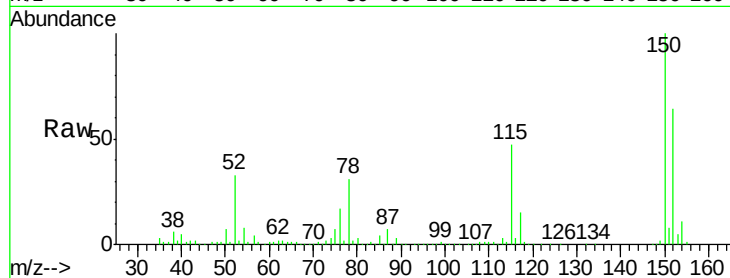
Tot Ion: 79 Resp: 31696

Ion Ratio Lower Upper

79 100

108 36.7 68.4 102.6#

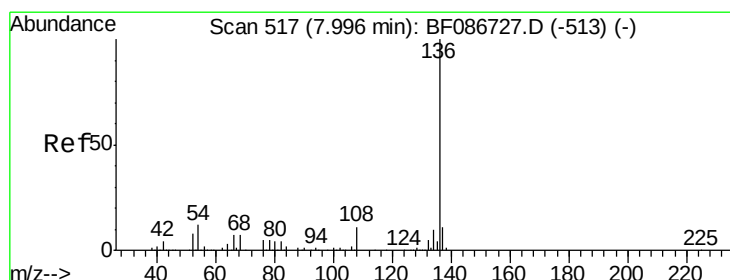
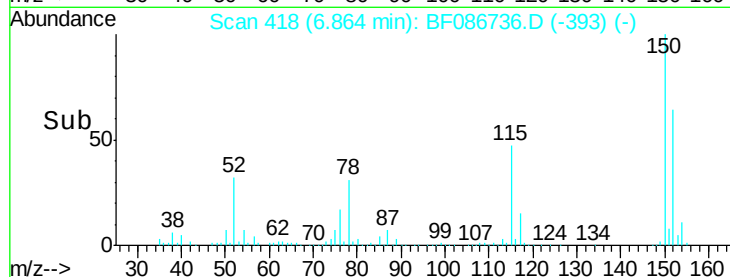
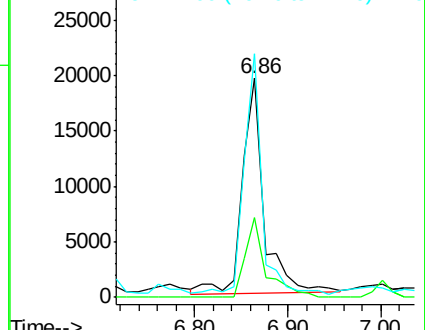
77 111.2 50.6 76.0#



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



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

Tgt Ion: 136 Resp: 702960

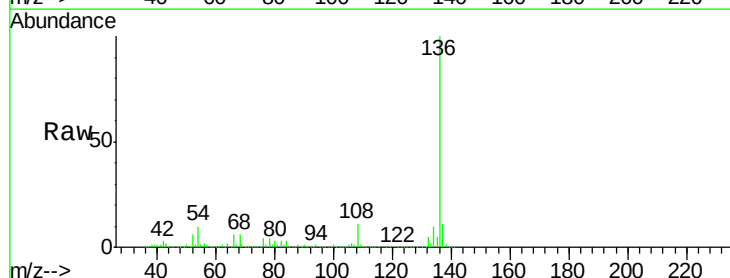
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 9.5 5.0 7.4#

68 5.6 4.4 6.6

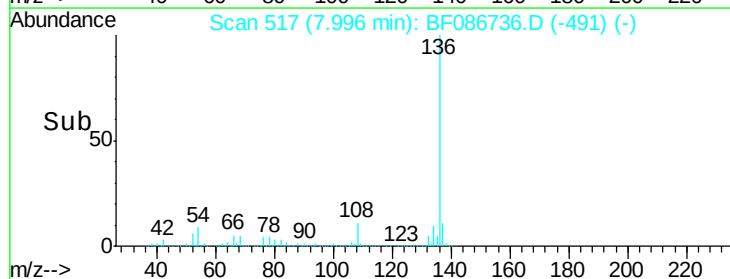
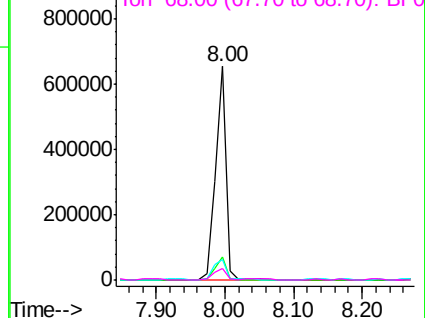


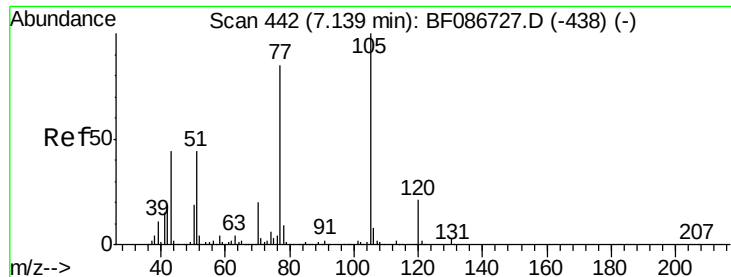
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

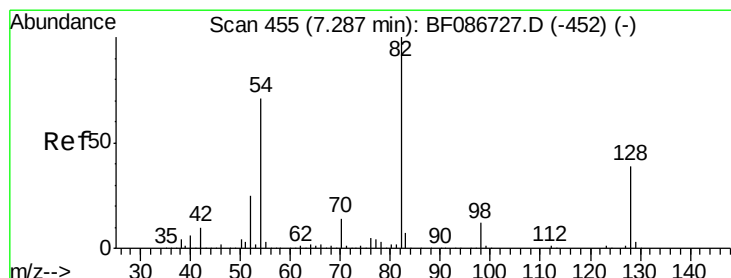
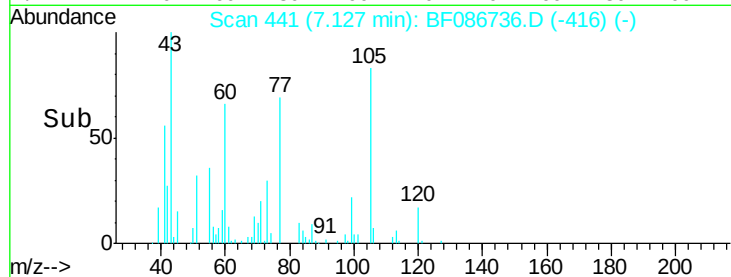
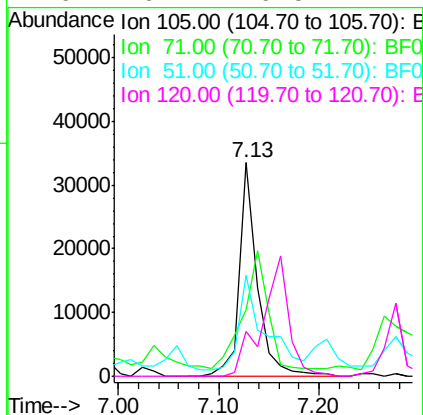
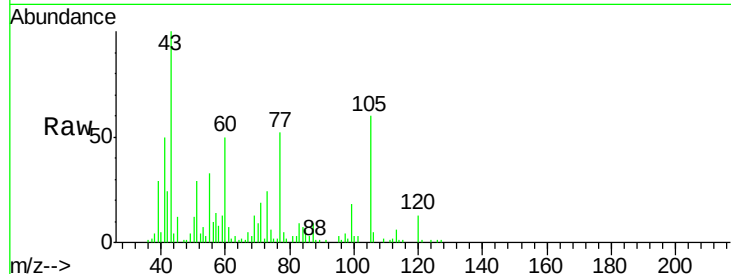




#22
Acetophenone
Concen: 2.54 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.01 min
Lab File: BF086736.D
Acq: 6 May 2016 21:01

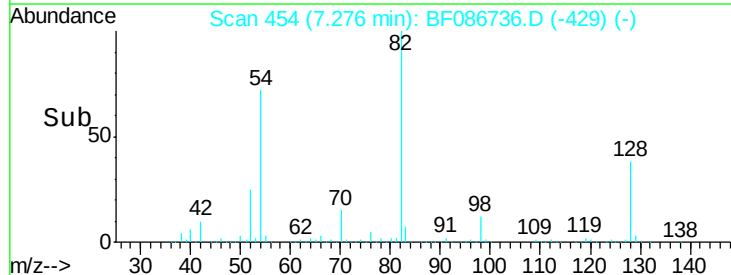
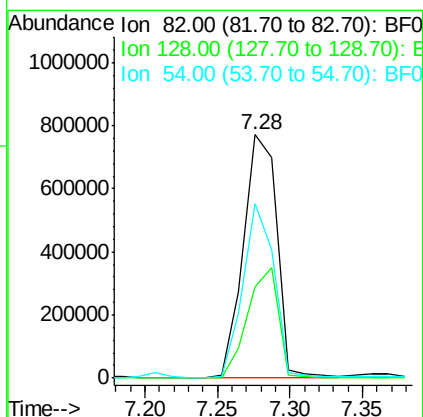
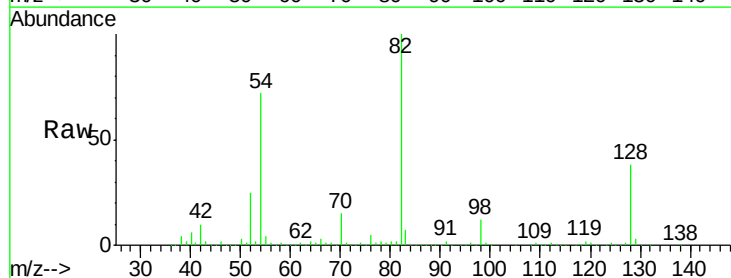
Instrument :
BNA_F
ClientSampled :

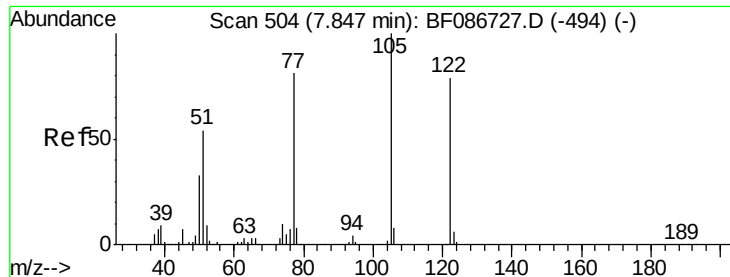
Tot Ion:105 Resp: 41621
Ion Ratio Lower Upper
105 100
71 31.1 4.8 7.2#
51 47.6 32.6 49.0
120 20.7 16.5 24.7



#23
Nitrobenzene-d5
Concen: 90.17 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.01 min
Lab File: BF086736.D
Acq: 6 May 2016 21:01

Tgt Ion: 82 Resp: 1233437
Ion Ratio Lower Upper
82 100
128 37.7 40.6 61.0#
54 71.8 38.1 57.1#

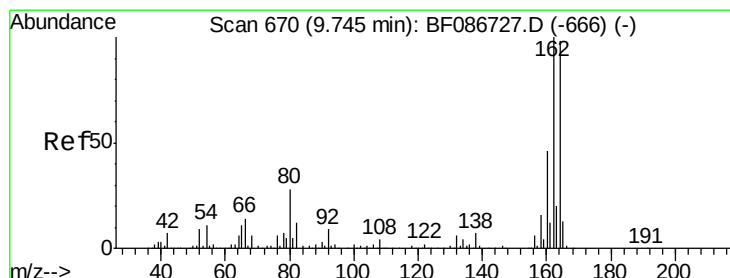
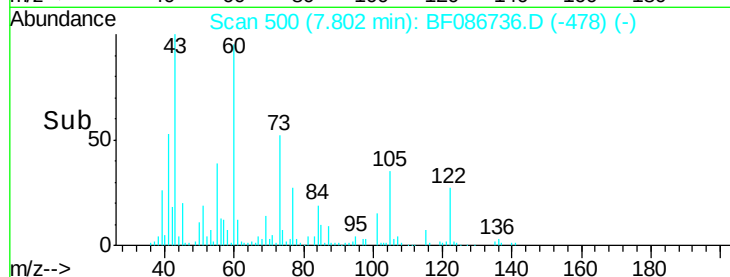
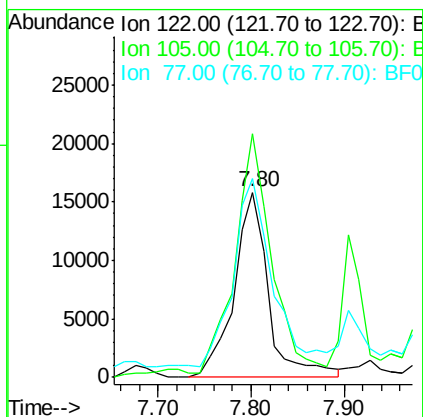
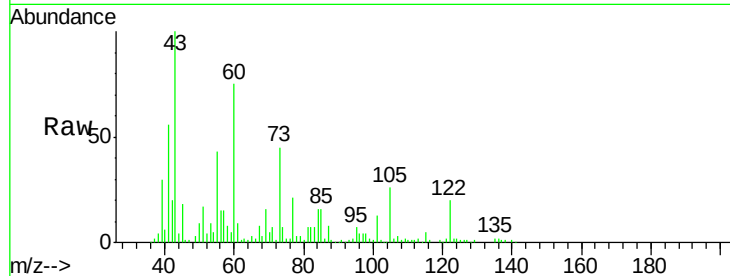




#32
Benzoic acid
Concen: 16.18 ng
RT: 7.80 min Scan# 500
Delta R.T. -0.05 min
Lab File: BF086736.D
Acq: 6 May 2016 21:01

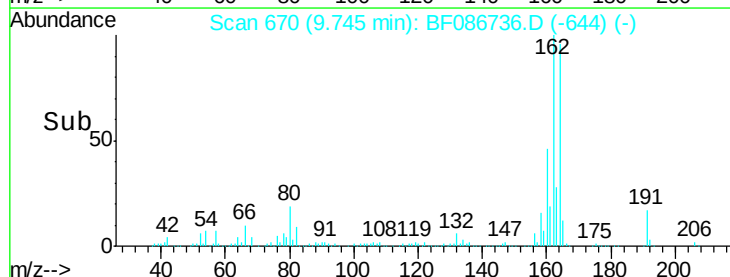
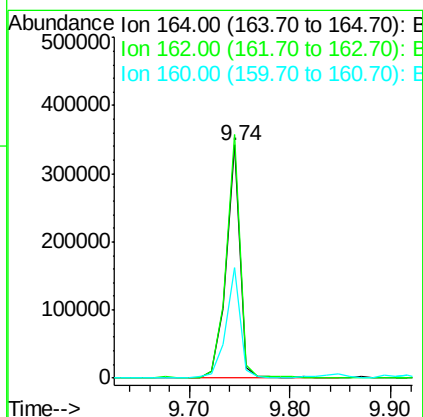
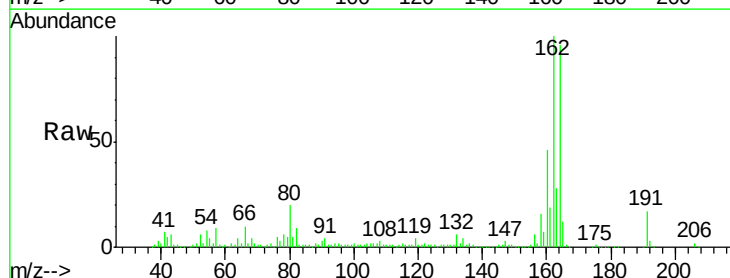
Instrument :
BNA_F
ClientSampled :

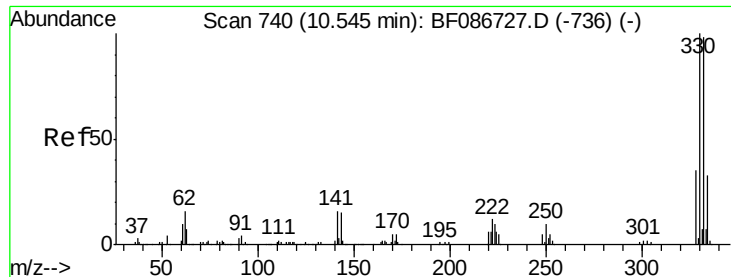
Tot Ion:122 Resp: 40679
Ion Ratio Lower Upper
122 100
105 131.6 92.6 132.6
77 107.7 60.0 100.0#



#38
Acenaphthene-d10
Concen: 40.00 ng
RT: 9.74 min Scan# 670
Delta R.T. 0.00 min
Lab File: BF086736.D
Acq: 6 May 2016 21:01

Tgt Ion:164 Resp: 326562
Ion Ratio Lower Upper
164 100
162 104.4 82.8 124.2
160 47.6 36.9 55.3

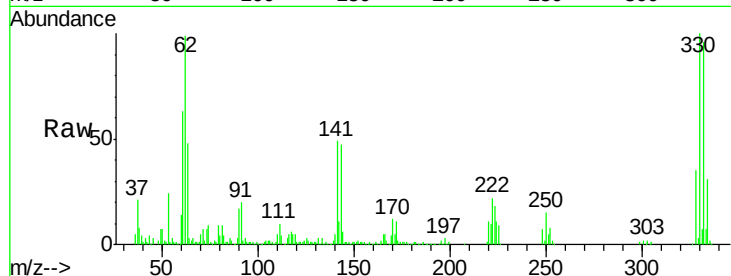




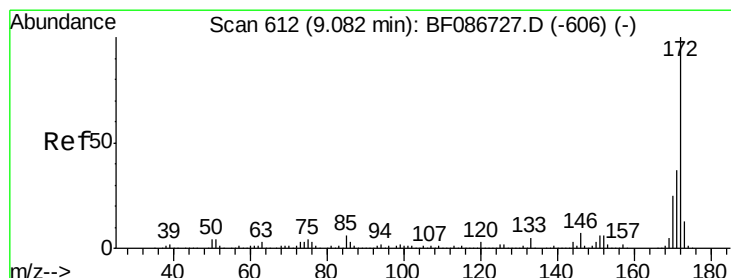
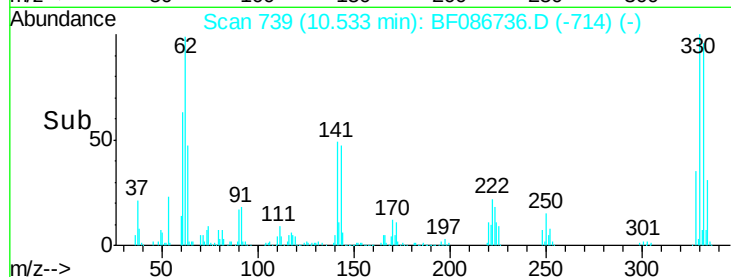
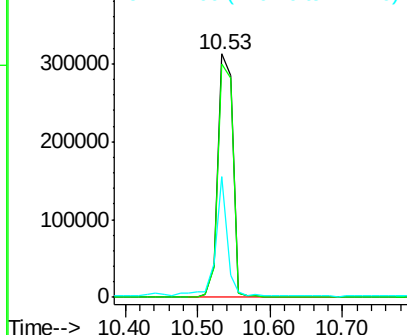
#41
 2,4,6-Tribromophenol
 Concen: 140.94 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.01 min
 Lab File: BF086736.D
 Acq: 6 May 2016 21:01

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	38.3	31.2	46.8

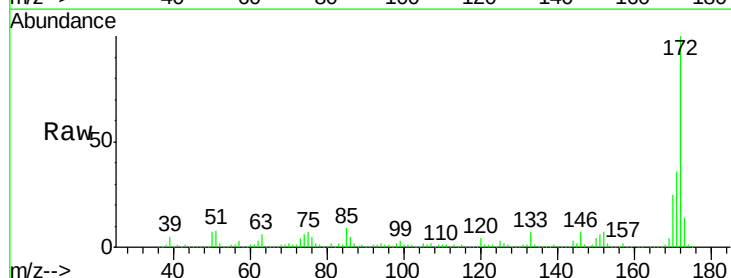


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

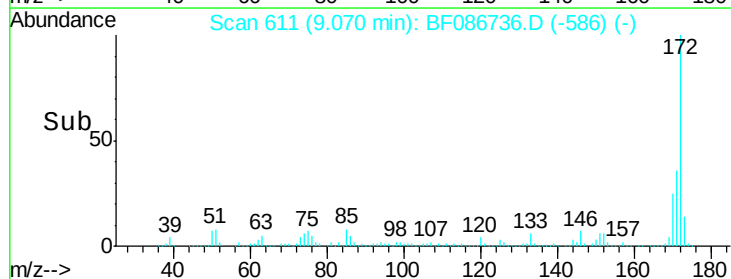
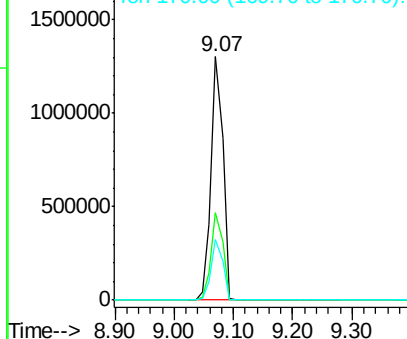


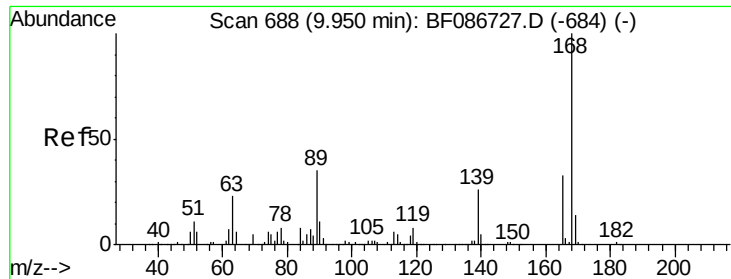
#44
 2-Fluorobiphenyl
 Concen: 91.45 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF086736.D
 Acq: 6 May 2016 21:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.6
170	24.8	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





#56

2,4-Dinitrotoluene

Concen: 6.82 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.21 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 44135

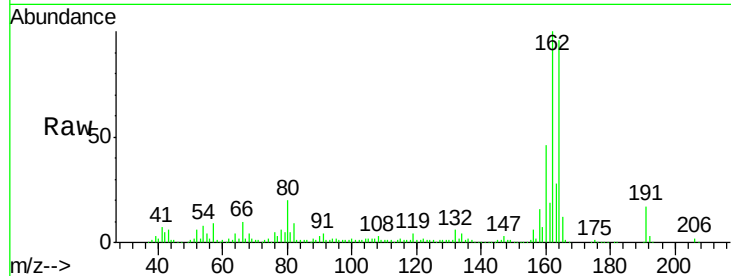
Ion Ratio Lower Upper

165 100

63 10.6 44.3 66.5#

89 9.1 70.0 105.0#

182 0.7 1.8 2.6#

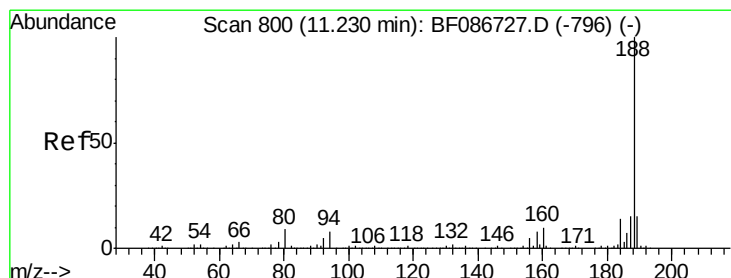
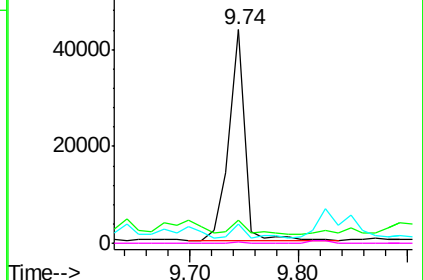
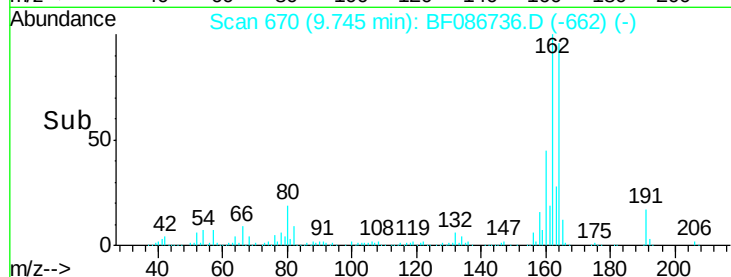


Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

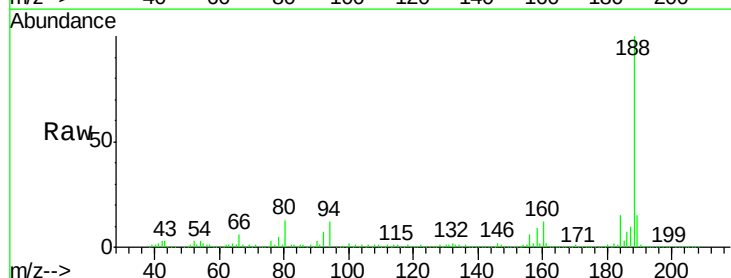
Tgt Ion:188 Resp: 540331

Ion Ratio Lower Upper

188 100

94 11.8 6.8 10.2#

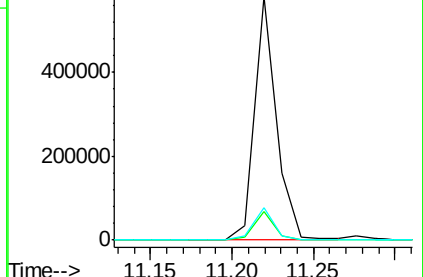
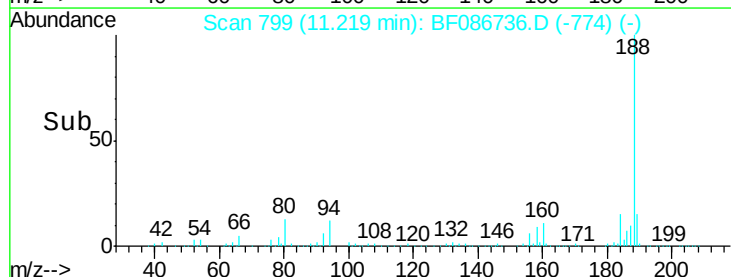
80 13.1 7.1 10.7#

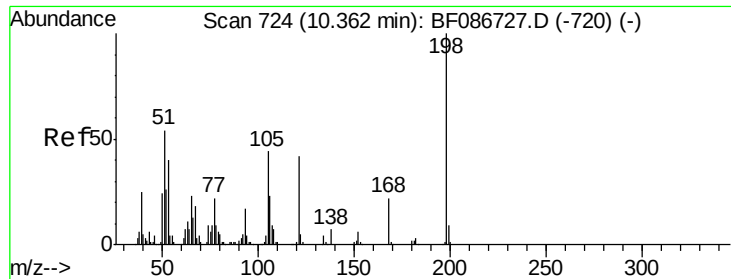


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.50 ng

RT: 10.53 min Scan# 739

Delta R.T. 0.17 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

Instrument :

BNA_F

ClientSampleId :

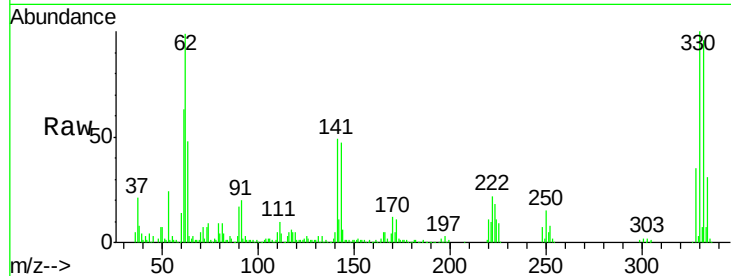
Tot Ion:198 Resp: 703

Ion Ratio Lower Upper

198 100

51 579.2 20.5 60.5#

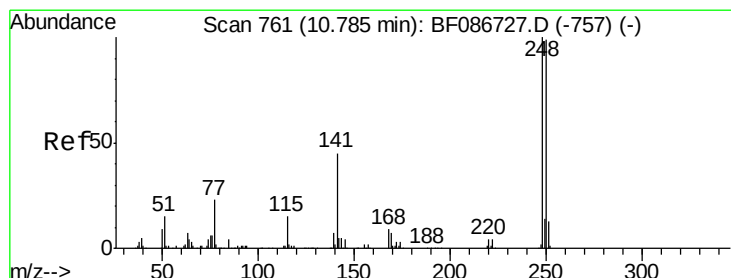
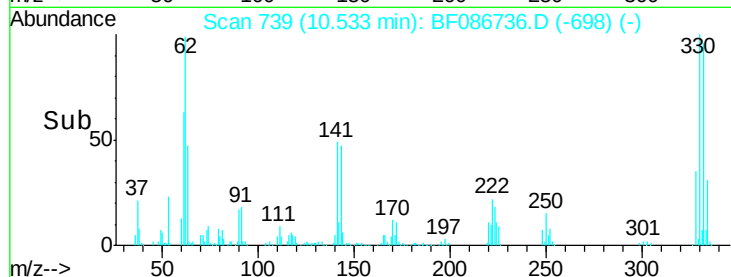
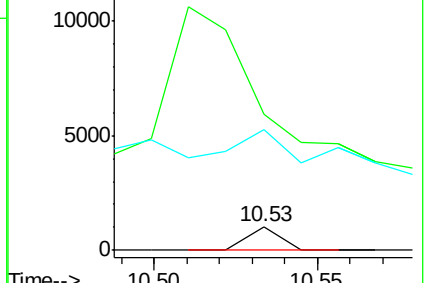
105 515.9 24.5 64.5#



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: 4.83 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.25 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

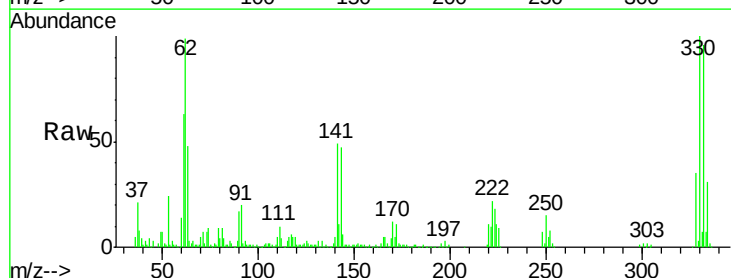
Tgt Ion:248 Resp: 25940

Ion Ratio Lower Upper

248 100

250 199.8 78.6 117.8#

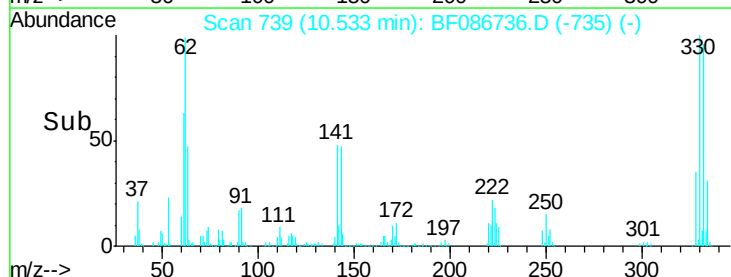
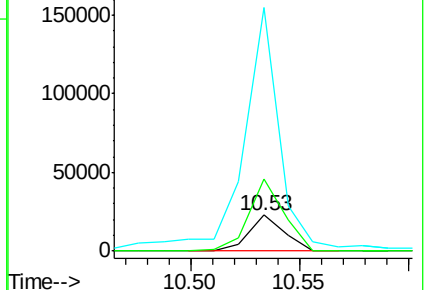
141 677.8 76.0 114.0#

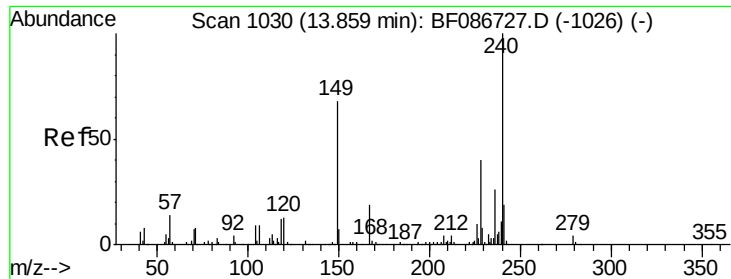


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.01 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

Instrument :

BNA_F

ClientSampleId :

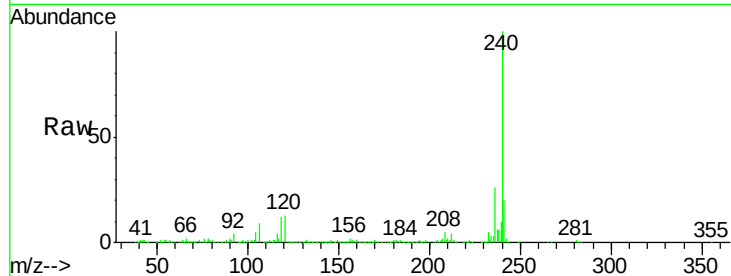
Tot Ion:240 Resp: 434848

Ion Ratio Lower Upper

240 100

120 13.1 11.2 16.8

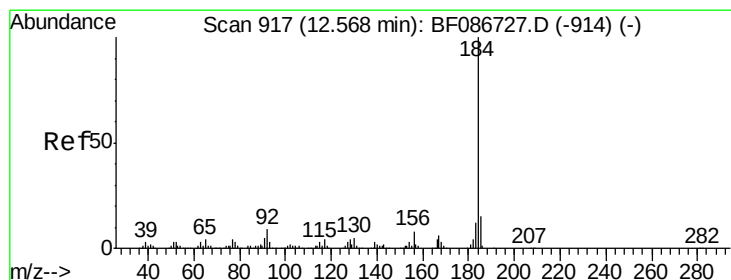
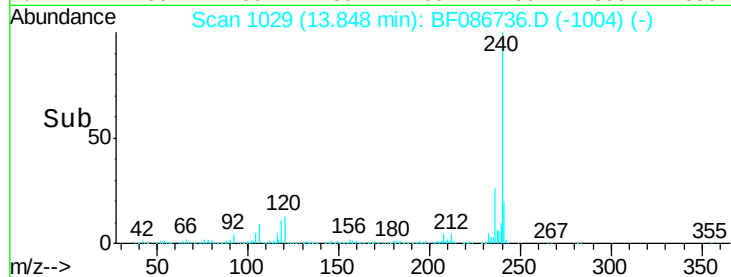
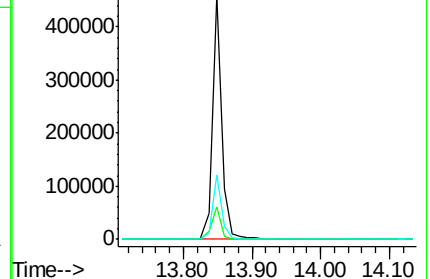
236 26.2 21.2 31.8



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: 7.18 ng

RT: 12.57 min Scan# 917

Delta R.T. 0.00 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

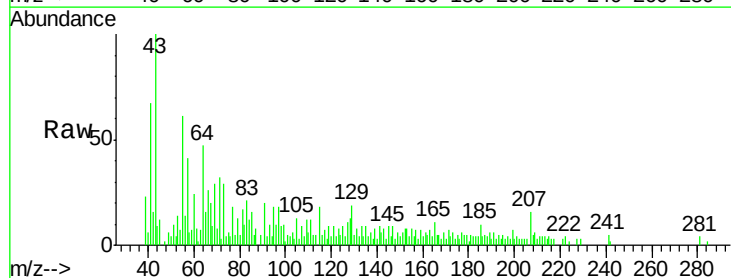
Tgt Ion:184 Resp: 1184

Ion Ratio Lower Upper

184 100

185 270.8 13.6 20.4#

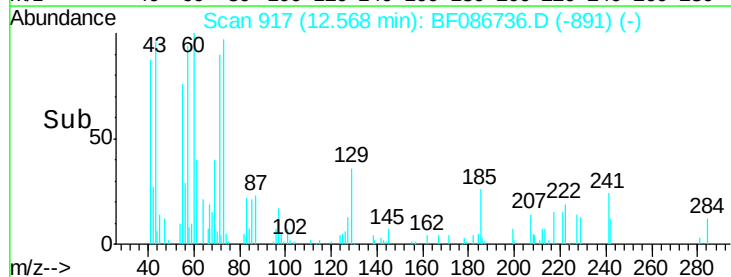
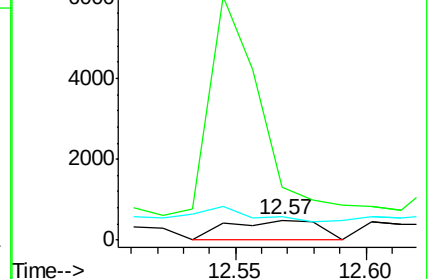
183 119.3 9.8 14.6#

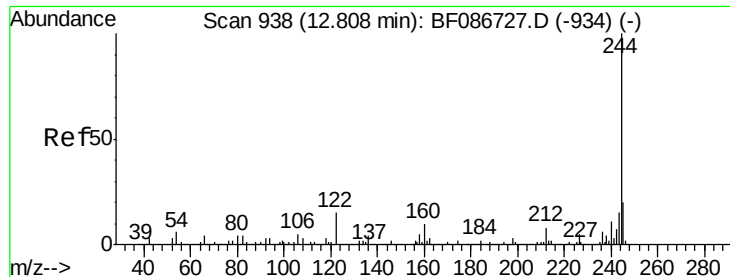


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 62.06 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

Instrument :

BNA_F

ClientSampleId :

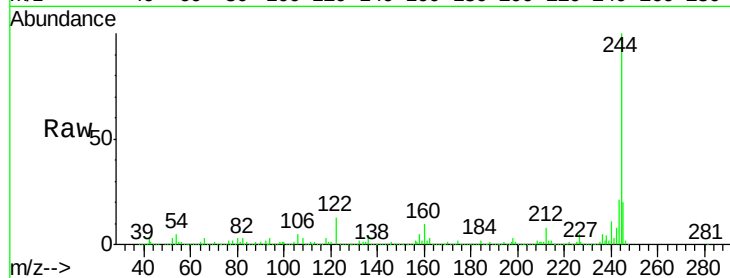
Tot Ion:244 Resp: 1335382

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

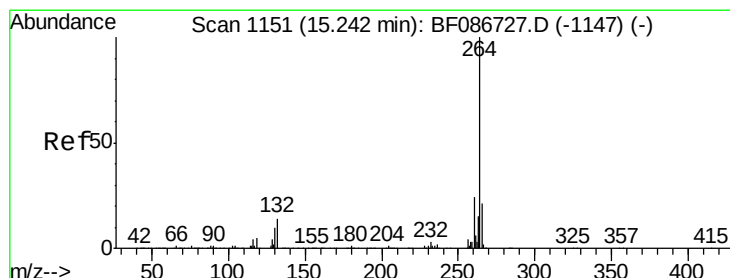
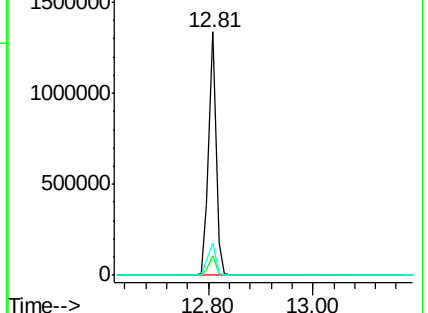
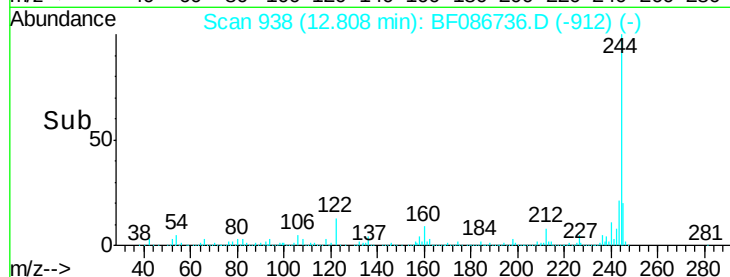
122 13.1 12.0 18.0



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: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF086736.D

Acq: 6 May 2016 21:01

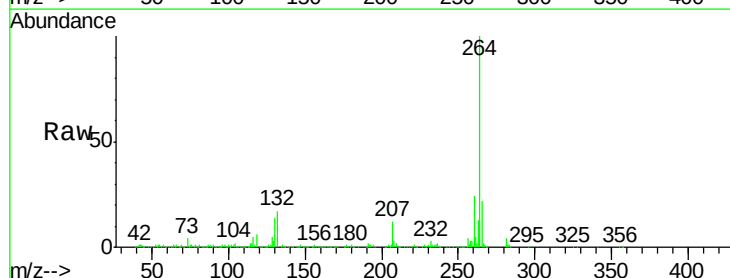
Tgt Ion:264 Resp: 323173

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

265 21.6 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

