

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051416\
 Data File : BF087045.D
 Acq On : 15 May 2016 3:27
 Operator : UM/SJ
 Sample : H2966-03
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-19

Quant Time: May 16 04:52:33 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	132934	20.00	ng	-0.08
21) Naphthalene-d8	7.91	136	488439	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	160137	20.00	ng	-0.08
63) Phenanthrene-d10	11.14	188	363850	20.00	ng	-0.07
75) Chrysene-d12	13.76	240	278699	20.00	ng	-0.08
86) Perylene-d12	15.11	264	295889	20.00	ng	-0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	492168	62.70	ng	-0.08
7) Phenol-d6	6.33	99	416435	39.70	ng	-0.03
23) Nitrobenzene-d5	7.20	82	984369	101.20	ng	-0.07
41) 2,4,6-Tribromophenol	10.47	330	308715	182.10	ng	-0.05
44) 2-Fluorobiphenyl	8.99	172	1203373	126.30	ng	-0.07
78) Terphenyl-d14	12.72	244	843591	64.22	ng	-0.08

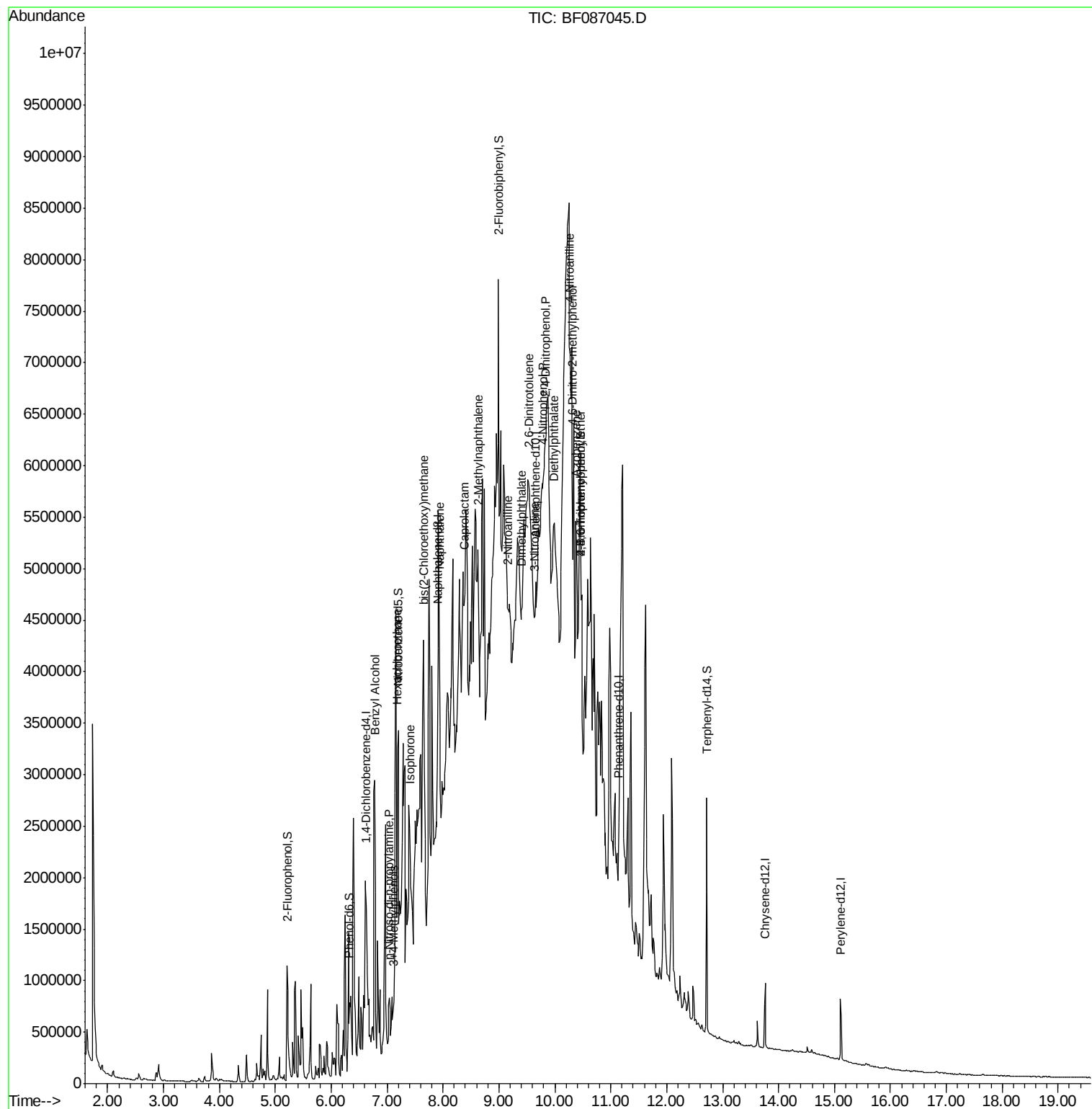
Target Compounds						Qvalue
15) Benzyl Alcohol	6.78	79	29701	4.10	ng	# 33
18) Hexachloroethane	7.19	117	376888	95.83	ng	# 10
19) n-Nitroso-di-n-propylamine	7.03	70	46789	6.38	ng	# 1
20) 3+4-Methylphenols	7.11	107	136796	13.90	ng	# 58
25) Isophorone	7.40	82	51304	2.84	ng	# 30
28) bis(2-Chloroethoxy)methane	7.66	93	52175	5.36	ng	# 1
31) Naphthalene	7.93	128	91699	3.75	ng	# 39
35) Caprolactam	8.39	113	176141	78.50	ng	# 1
37) 2-Methylnaphthalene	8.63	142	34777	2.43	ng	# 35
47) 2-Nitroaniline	9.16	65	22442	6.15	ng	# 21
49) Dimethylphthalate	9.40	163	208858	17.10	ng	# 1
50) 2,6-Dinitrotoluene	9.54	165	179317	69.74	ng	# 1
52) 3-Nitroaniline	9.64	138	8216	3.04	ng	# 9
53) 2,4-Dinitrophenol	9.83	184	12105	16.02	ng	# 1
55) 4-Nitrophenol	9.78	139	6237	7.82	ng	# 1
59) Diethylphthalate	9.98	149	1410054	118.44	ng	# 76
60) 4-Chlorophenyl-phenylether	10.19	204	884	Below Cal		# 1
61) 4-Nitroaniline	10.26	138	5647	2.17	ng	# 1
62) Azobenzene	10.38	77	79429	6.18	ng	# 14
64) 4,6-Dinitro-2-methylphenol	10.31	198	8563	3.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	17690	4.80	ng	# 1

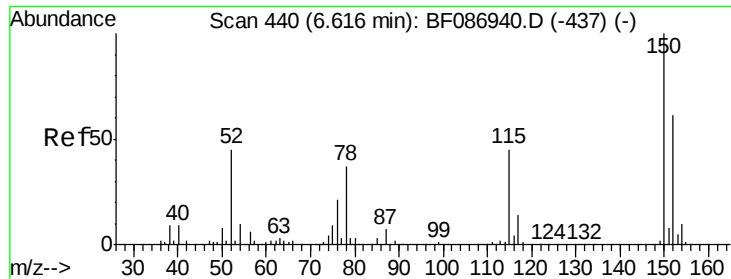
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

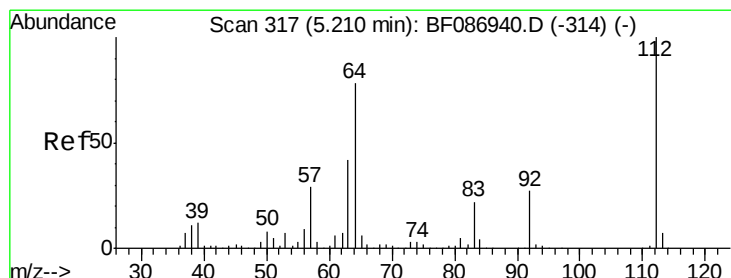
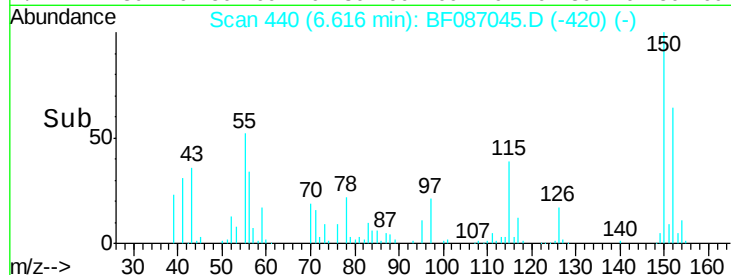
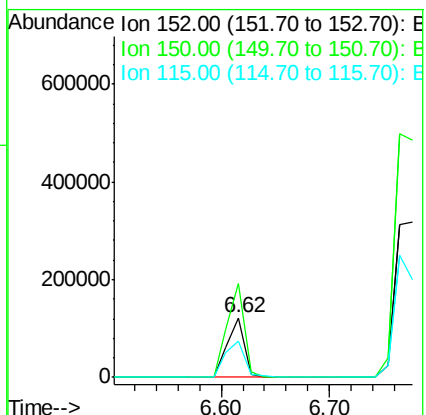
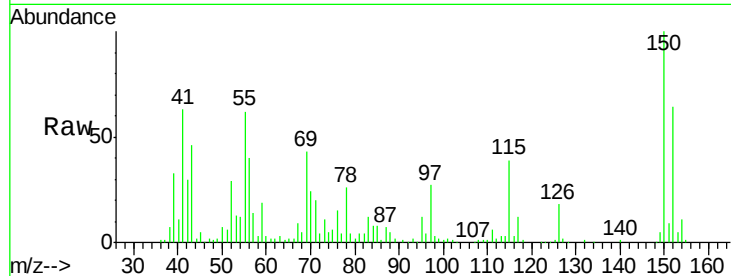
Tgt Ion:152 Resp: 132934

Ion Ratio Lower Upper

152 100

150 156.9 125.8 188.6

115 61.0 51.5 77.3



#5

2-Fluorophenol

Concen: 62.70 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

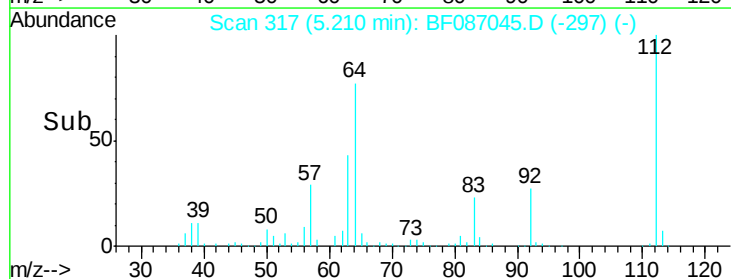
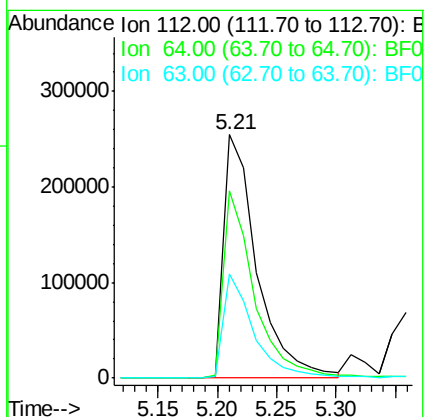
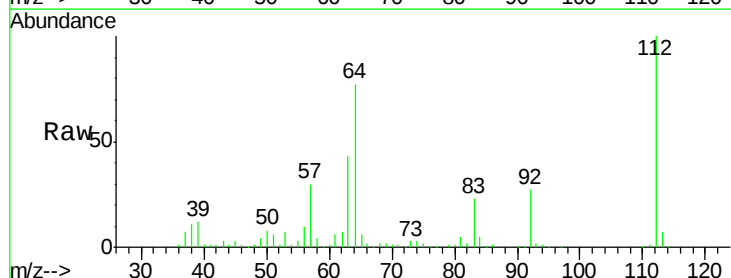
Tgt Ion:112 Resp: 492168

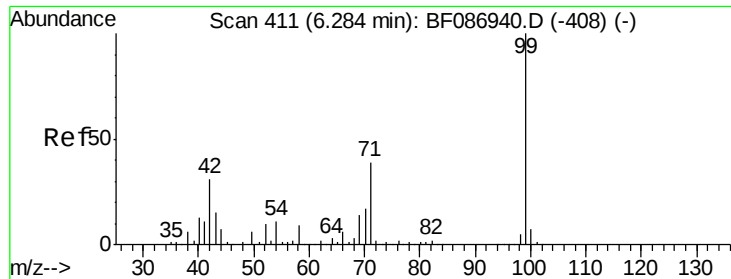
Ion Ratio Lower Upper

112 100

64 76.9 52.1 78.1

63 42.9 25.7 38.5#





#7

Phenol-d6

Concen: 39.70 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.03 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

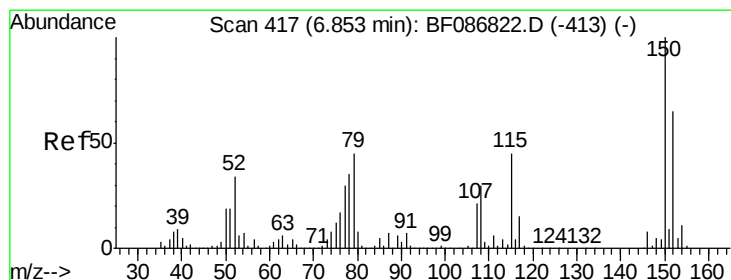
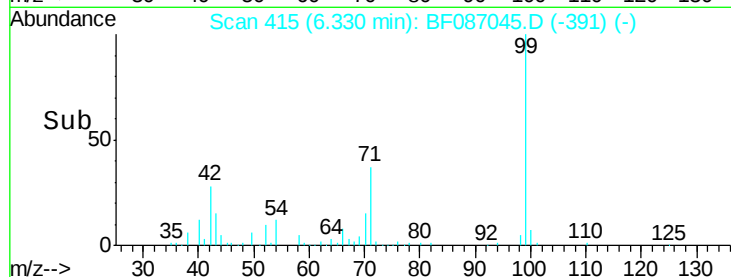
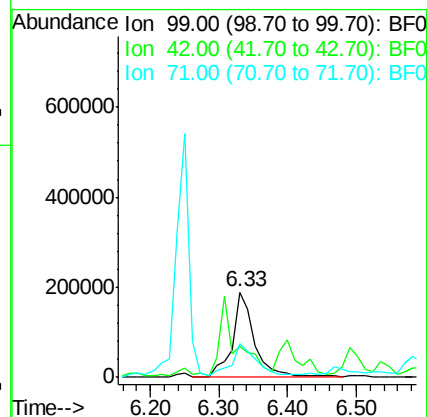
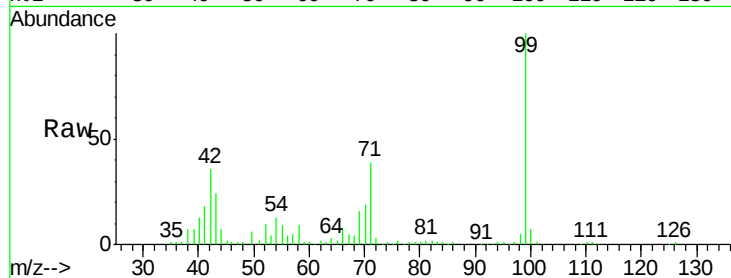
Tgt Ion: 99 Resp: 416435

Ion Ratio Lower Upper

99 100

42 36.2 13.6 20.4#

71 39.2 24.6 36.8#



#15

Benzyl Alcohol

Concen: 4.10 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.08 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

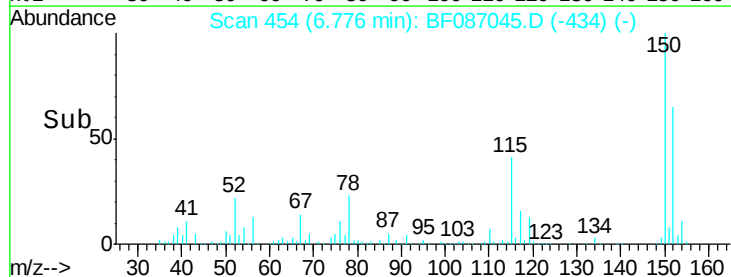
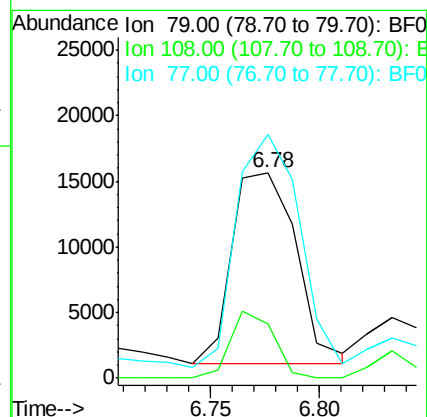
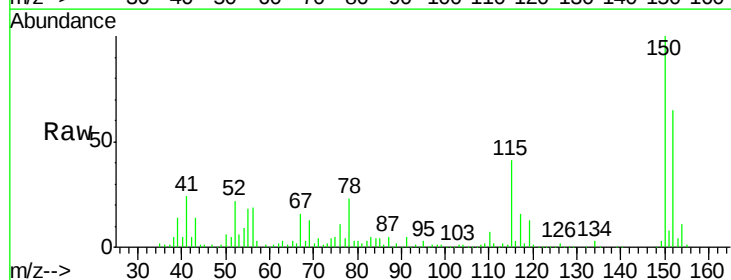
Tgt Ion: 79 Resp: 29701

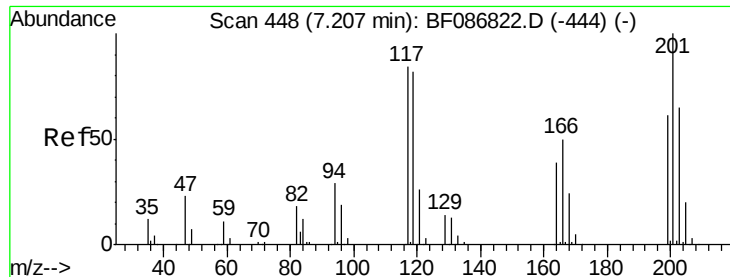
Ion Ratio Lower Upper

79 100

108 26.3 68.4 102.6#

77 118.6 50.6 76.0#

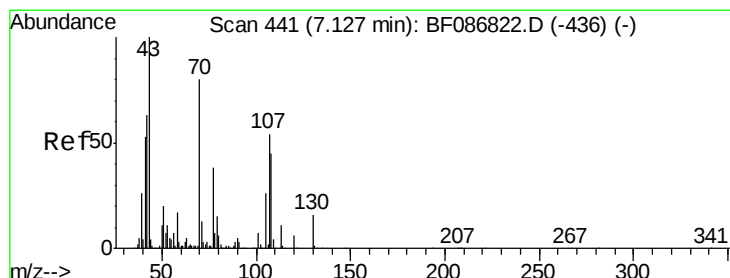
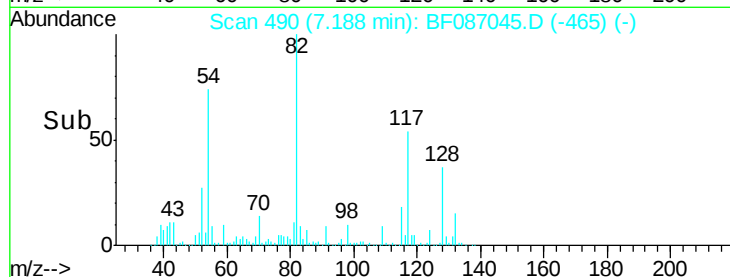
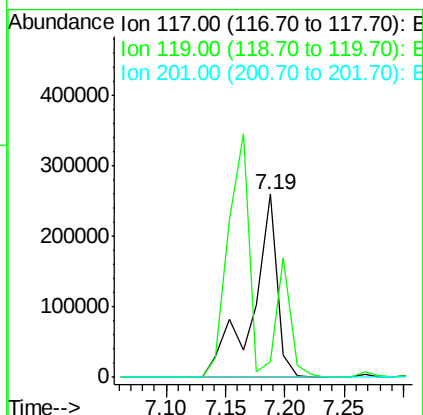
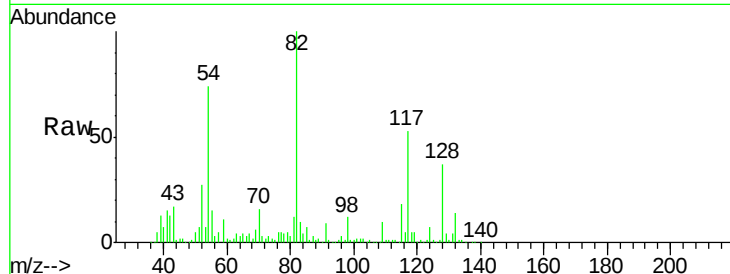




#18
Hexachloroethane
Concen: 95.83 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF087045.D
Acq: 15 May 2016 3:27

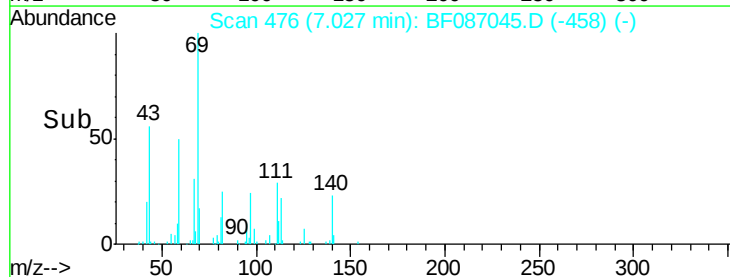
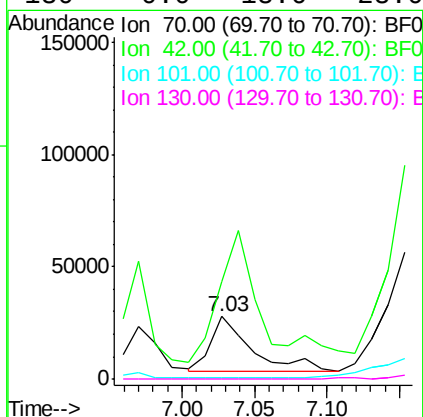
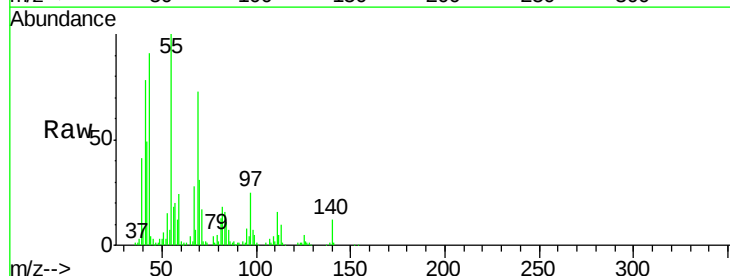
Instrument :
BNA_F
ClientSampled :
MW-19

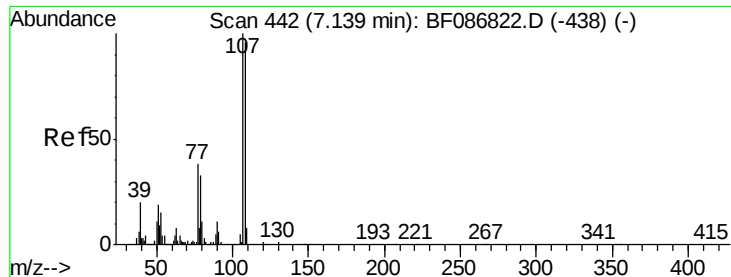
Tgt Ion: 117 Resp: 376888
Ion Ratio Lower Upper
117 100
119 8.6 76.5 114.7#
201 0.0 63.0 94.6#



#19
n-Nitroso-di-n-propylamine
Concen: 6.38 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.10 min
Lab File: BF087045.D
Acq: 15 May 2016 3:27

Tgt Ion: 70 Resp: 46789
Ion Ratio Lower Upper
70 100
42 155.6 43.1 64.7#
101 1.3 8.1 12.1#
130 0.0 18.6 28.0#

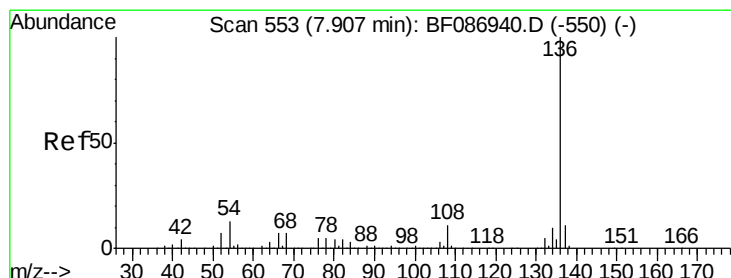
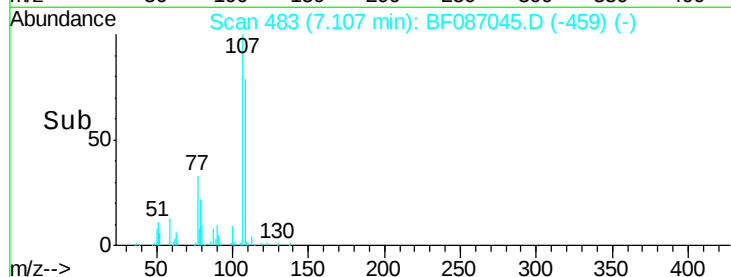
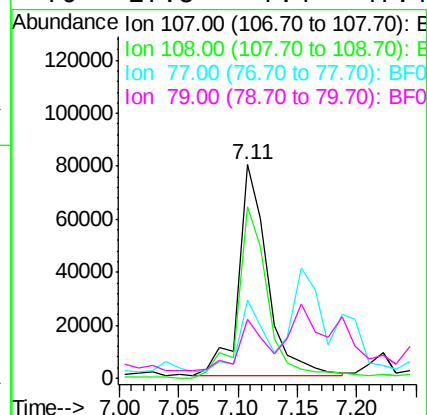
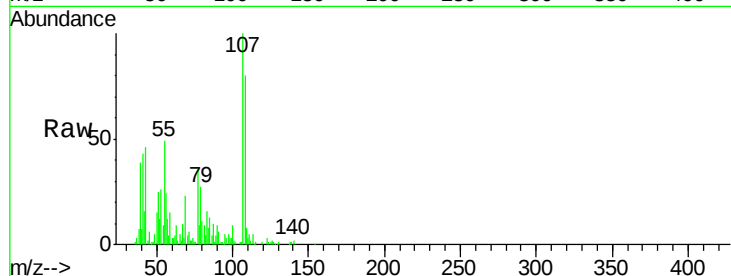




#20
3+4-Methylphenols
Concen: 13.90 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.03 min
Lab File: BF087045.D
Acq: 15 May 2016 3:27

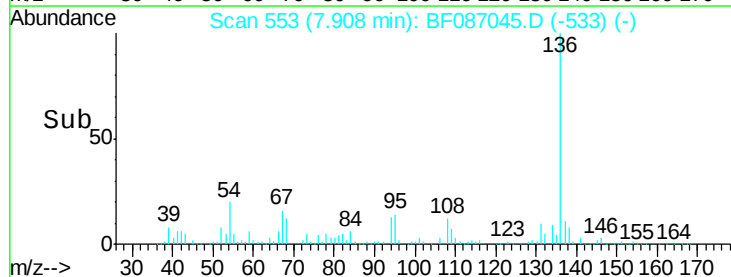
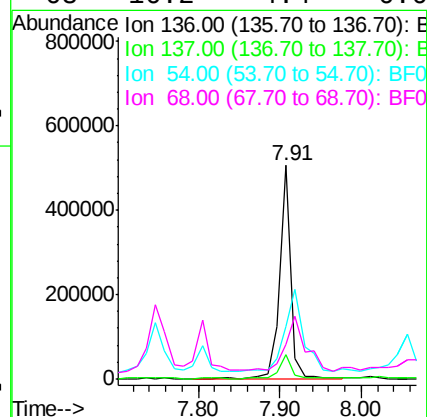
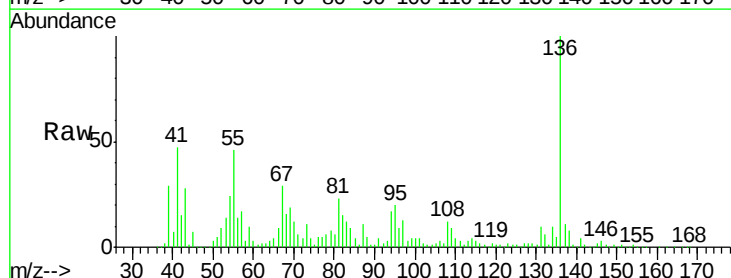
Instrument :
BNA_F
ClientSampleId :
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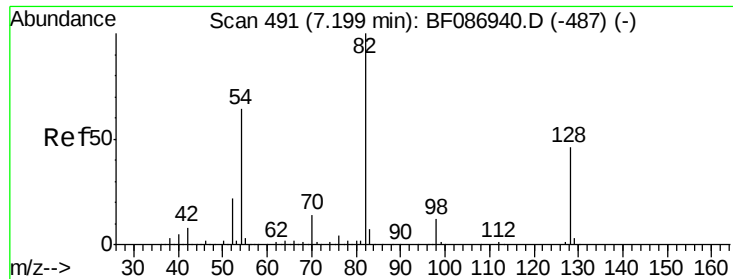
Tgt Ion:	107	Resp:	136796
Ion	Ratio	Lower	Upper
107	100		
108	80.3	68.5	108.5
77	36.4	101.6	141.6#
79	27.5	7.4	47.4



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.08 min
Lab File: BF087045.D
Acq: 15 May 2016 3:27

Tgt Ion:	136	Resp:	488439
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	24.5	5.0	7.4#
68	16.2	4.4	6.6#

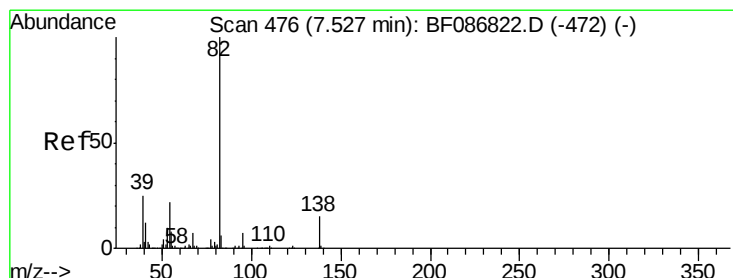
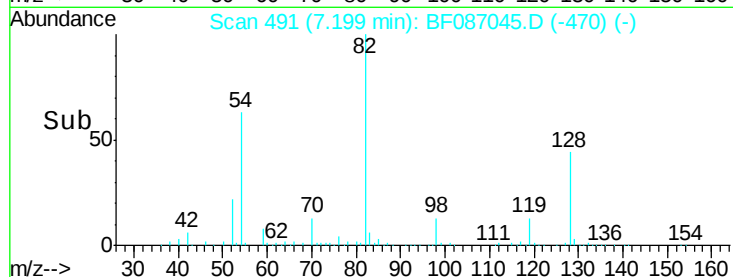
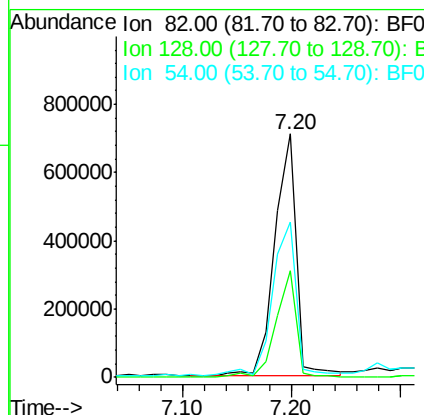
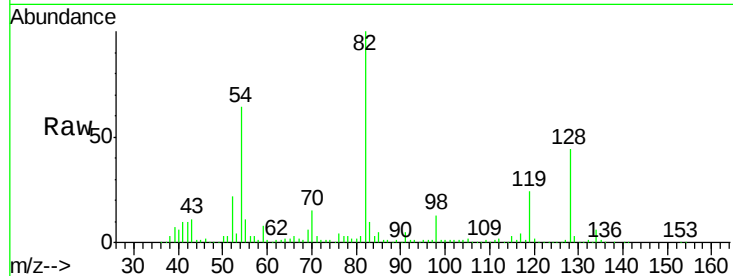




#23
 Nitrobenzene-d5
 Concen: 101.20 ng
 RT: 7.20 min Scan# 491
 Delta R.T. -0.07 min
 Lab File: BF087045.D
 Acq: 15 May 2016 3:27

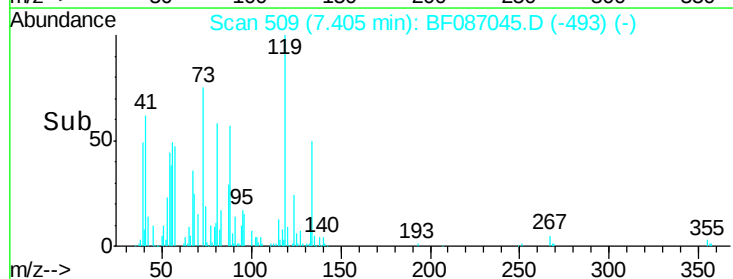
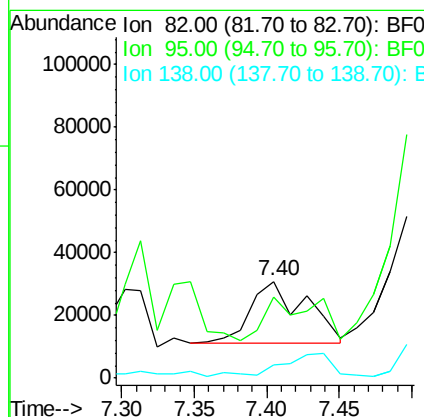
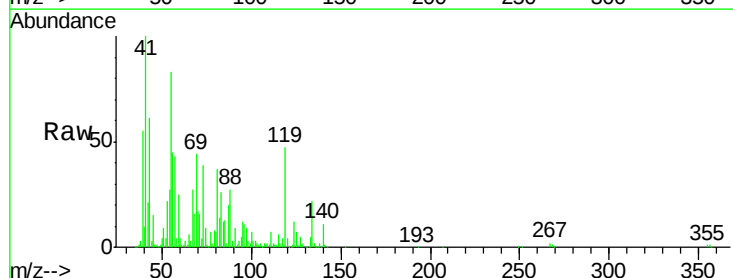
Instrument :
 BNA_F
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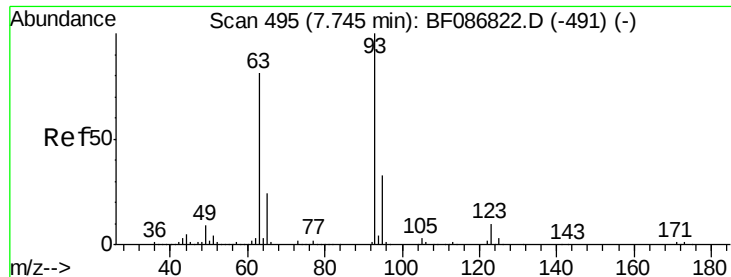
Tgt Ion: 82 Resp: 984369
 Ion Ratio Lower Upper
 82 100
 128 44.0 40.6 61.0
 54 63.7 38.1 57.1#



#25
 Isophorone
 Concen: 2.84 ng
 RT: 7.40 min Scan# 509
 Delta R.T. -0.12 min
 Lab File: BF087045.D
 Acq: 15 May 2016 3:27

Tgt Ion: 82 Resp: 51304
 Ion Ratio Lower Upper
 82 100
 95 84.2 5.1 7.7#
 138 13.8 12.4 18.6

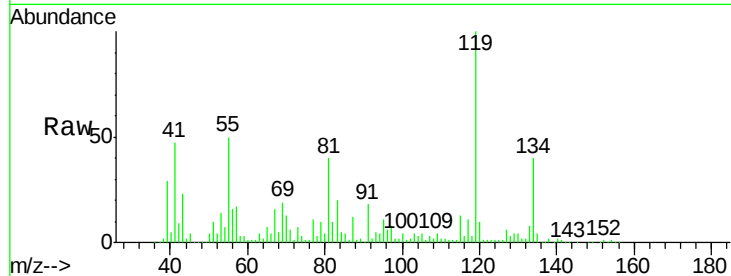




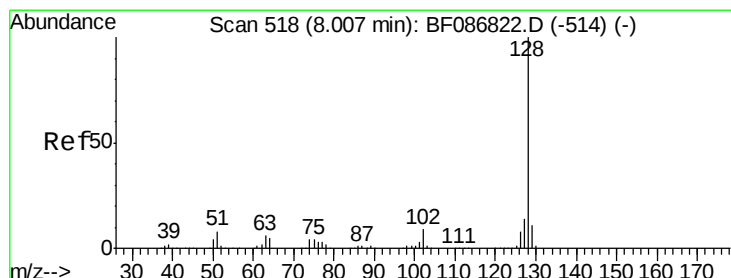
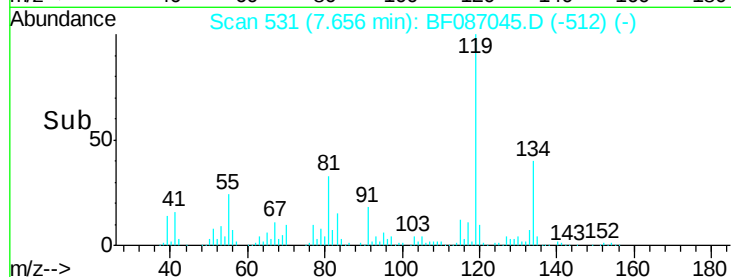
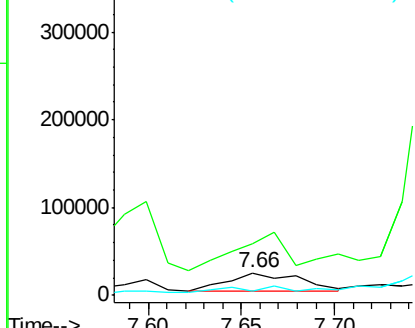
#28
bis(2-Chloroethoxy)methane
Concen: 5.36 ng
RT: 7.66 min Scan# 531
Delta R.T. -0.09 min
Lab File: BF087045.D
Acq: 15 May 2016 3:27

Instrument :
BNA_F
ClientSampleId :
MW-19

Tgt Ion: 93 Resp: 52175
Ion Ratio Lower Upper
93 100
95 228.0 26.0 39.0#
123 20.3 9.5 14.3#

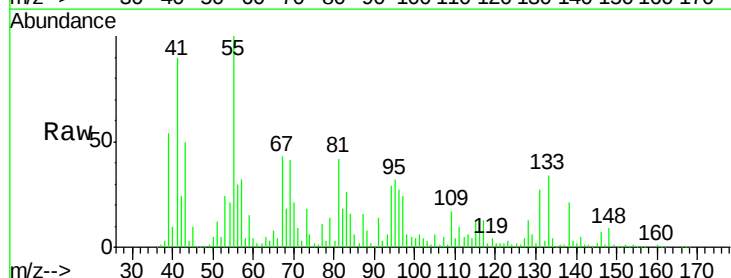


Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E

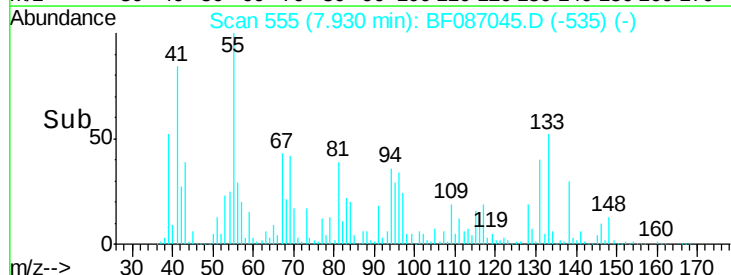
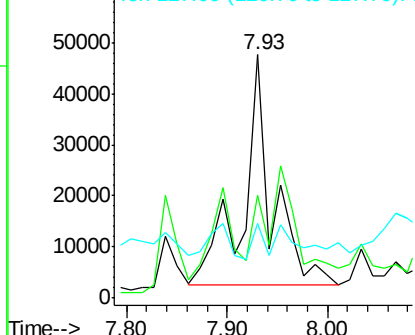


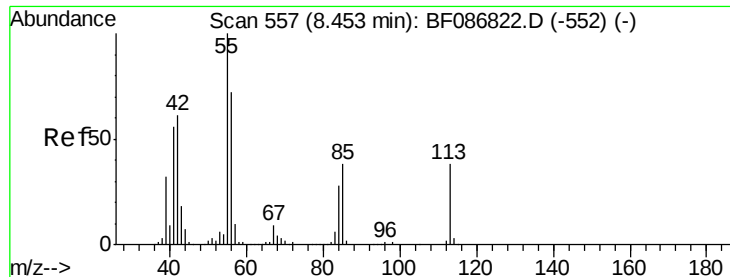
#31
Naphthalene
Concen: 3.75 ng
RT: 7.93 min Scan# 555
Delta R.T. -0.08 min
Lab File: BF087045.D
Acq: 15 May 2016 3:27

Tgt Ion: 128 Resp: 91699
Ion Ratio Lower Upper
128 100
129 42.4 8.6 13.0#
127 30.7 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#35

Caprolactam

Concen: 78.50 ng

RT: 8.39 min Scan# 595

Delta R.T. -0.07 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

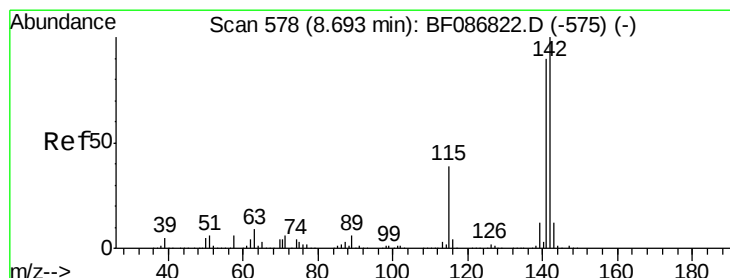
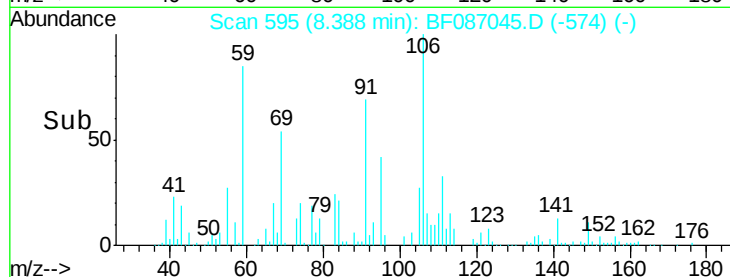
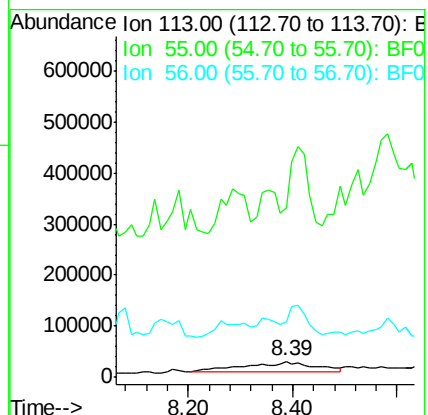
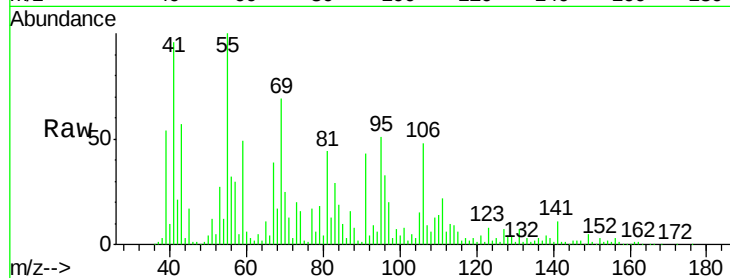
Tgt Ion:113 Resp: 176141

Ion Ratio Lower Upper

113 100

55 1032.6 162.0 202.0#

56 334.5 115.3 155.3#



#37

2-Methylnaphthalene

Concen: 2.43 ng

RT: 8.63 min Scan# 616

Delta R.T. -0.07 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

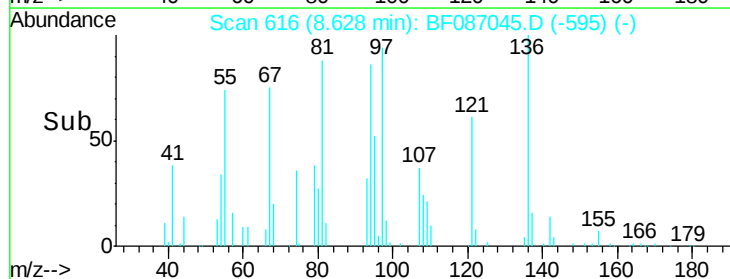
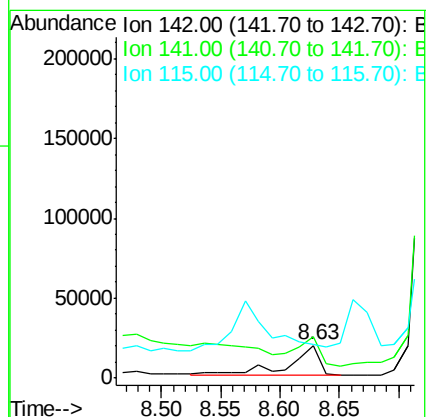
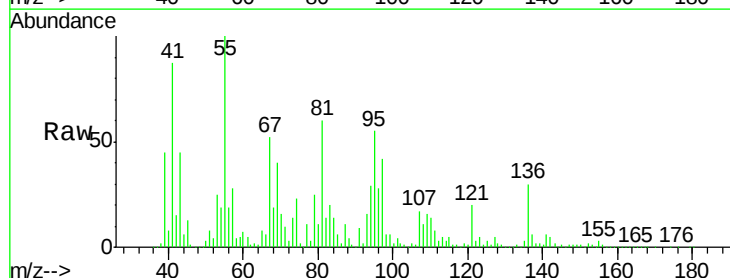
Tgt Ion:142 Resp: 34777

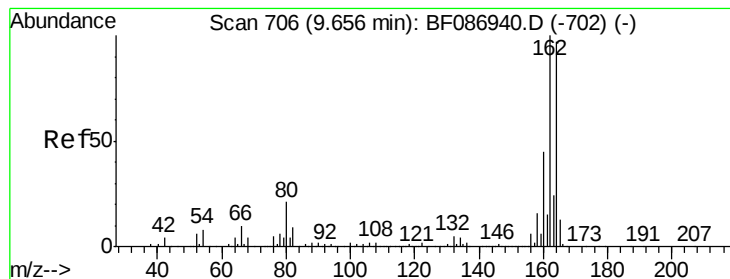
Ion Ratio Lower Upper

142 100

141 127.5 71.0 106.6#

115 105.1 26.6 39.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.66 min Scan# 706

Delta R.T. -0.08 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

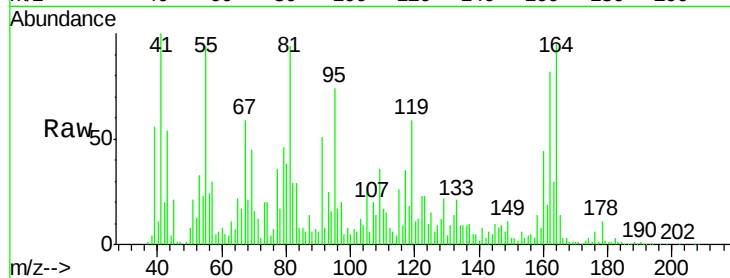
Tgt Ion:164 Resp: 160137

Ion Ratio Lower Upper

164 100

162 86.7 82.8 124.2

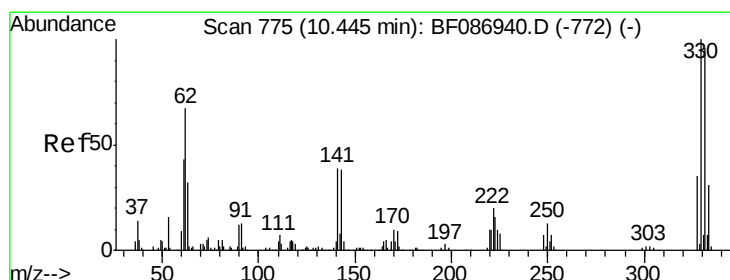
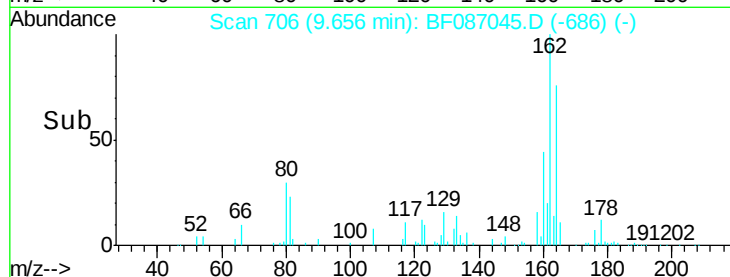
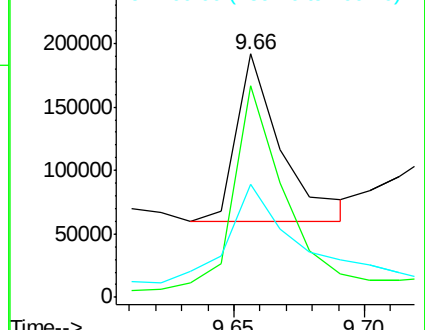
160 46.5 36.9 55.3



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: 182.10 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.05 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

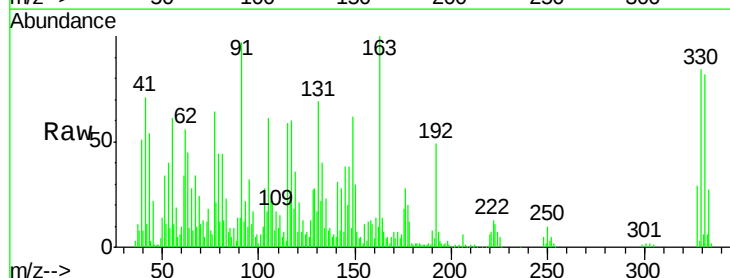
Tgt Ion:330 Resp: 308715

Ion Ratio Lower Upper

330 100

332 96.1 79.0 118.4

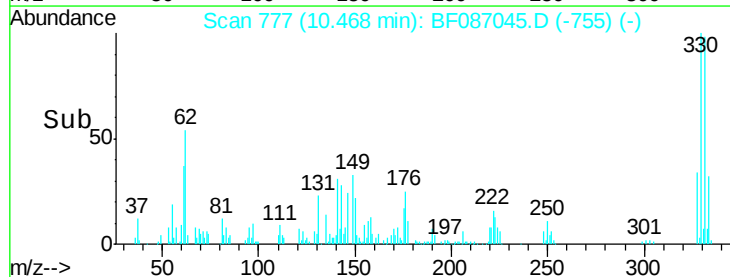
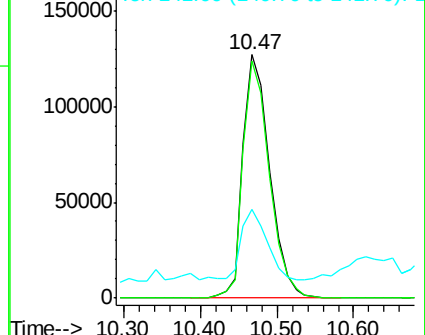
141 27.4 31.2 46.8#

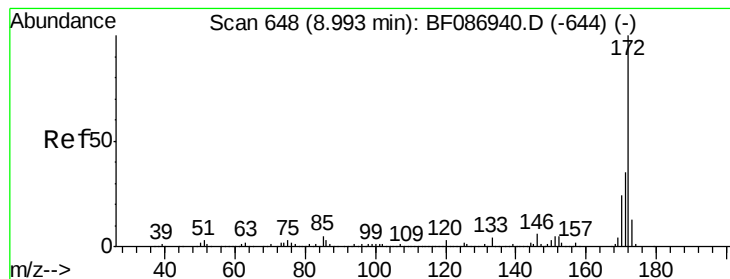


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

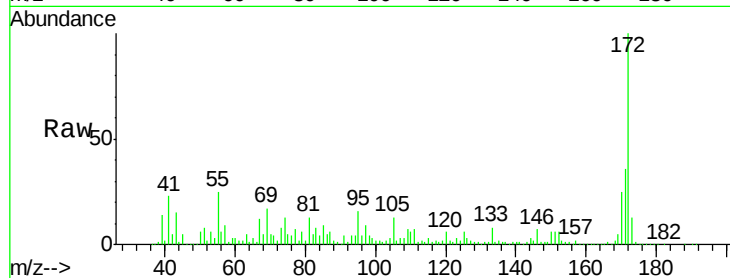




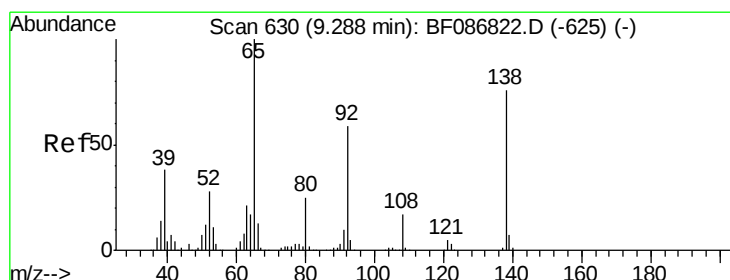
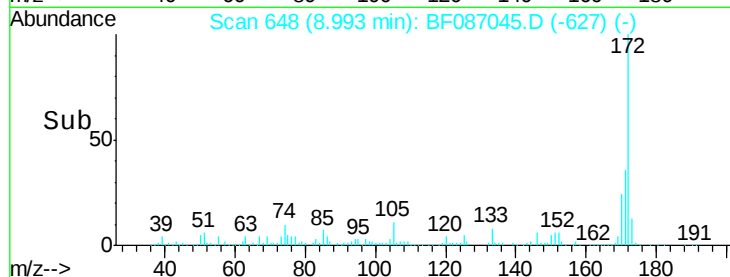
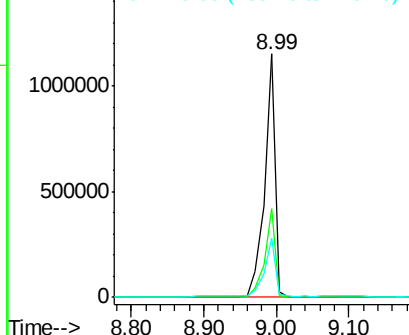
#44
 2-Fluorobiphenyl
 Concen: 126.30 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF087045.D
 Acq: 15 May 2016 3:27

Instrument :
 BNA_F
 ClientSampleId :
 MW-19

Tgt Ion: 172 Resp: 1203373
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.6
 170 24.6 19.8 29.8

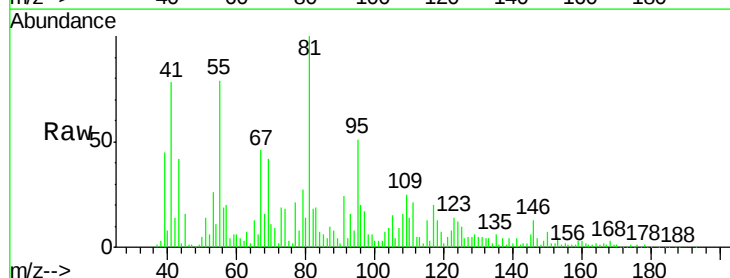


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

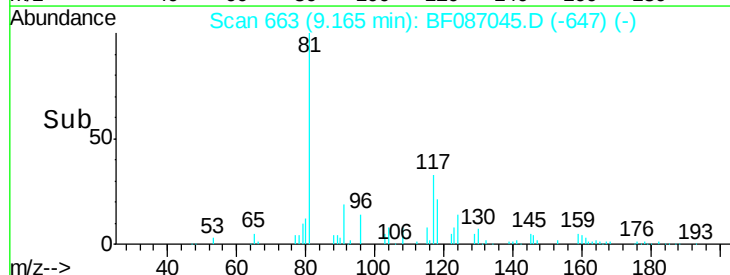
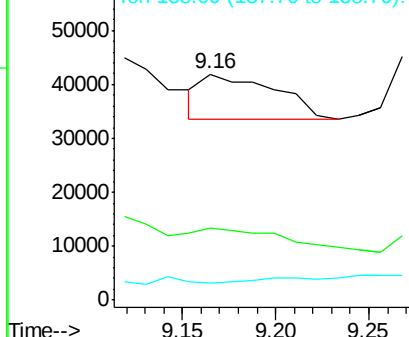


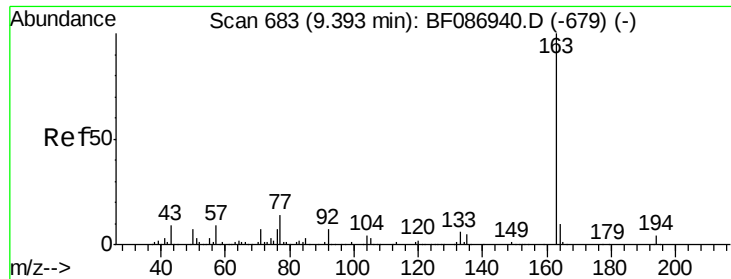
#47
 2-Nitroaniline
 Concen: 6.15 ng
 RT: 9.16 min Scan# 663
 Delta R.T. -0.12 min
 Lab File: BF087045.D
 Acq: 15 May 2016 3:27

Tgt Ion: 65 Resp: 22442
 Ion Ratio Lower Upper
 65 100
 92 31.8 57.4 86.2#
 138 7.5 90.1 135.1#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 17.10 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.07 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

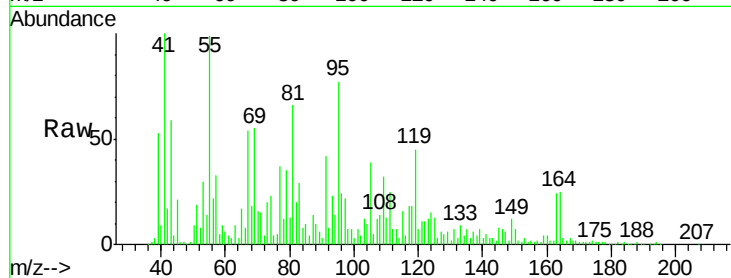
Tgt Ion:163 Resp: 208858

Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

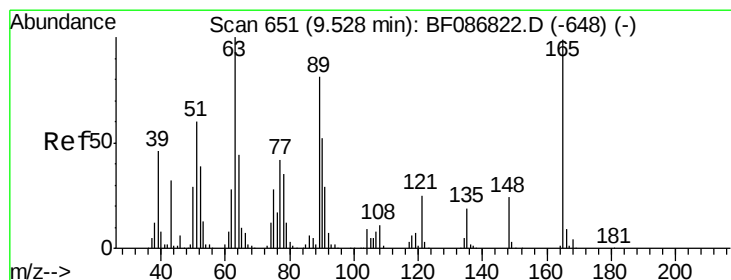
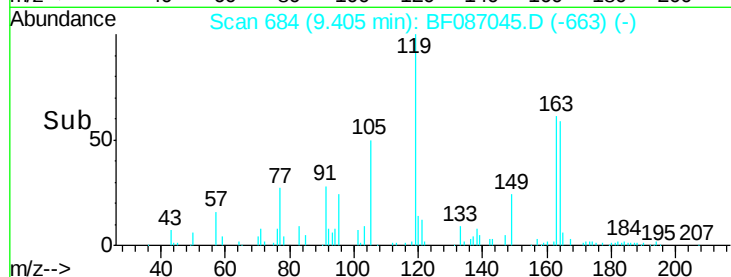
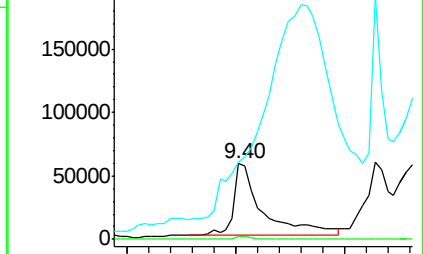
164 102.2 8.2 12.4#



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: 69.74 ng

RT: 9.54 min Scan# 696

Delta R.T. 0.01 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

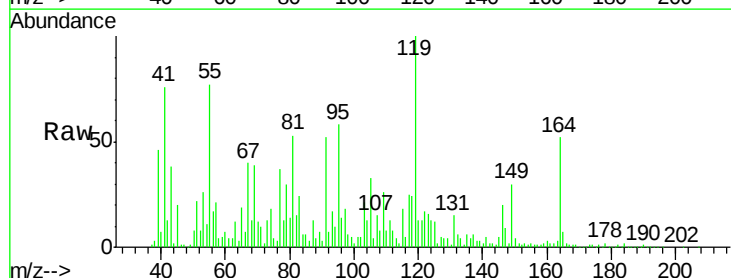
Tgt Ion:165 Resp: 179317

Ion Ratio Lower Upper

165 100

63 181.9 51.8 77.8#

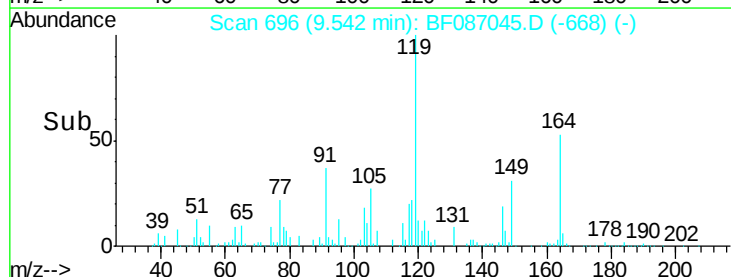
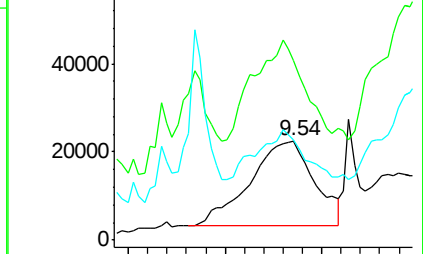
89 100.9 50.7 76.1#

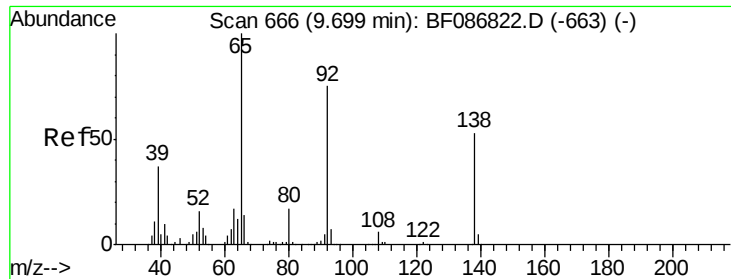


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#52

3-Nitroaniline

Concen: 3.04 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.05 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

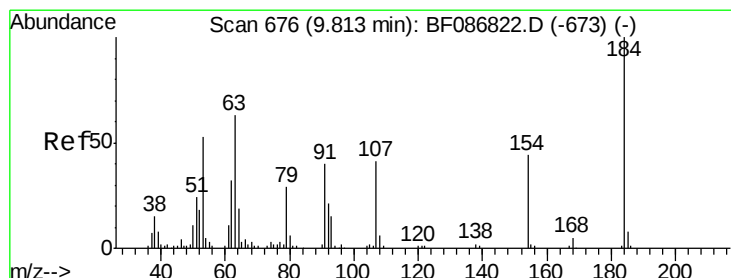
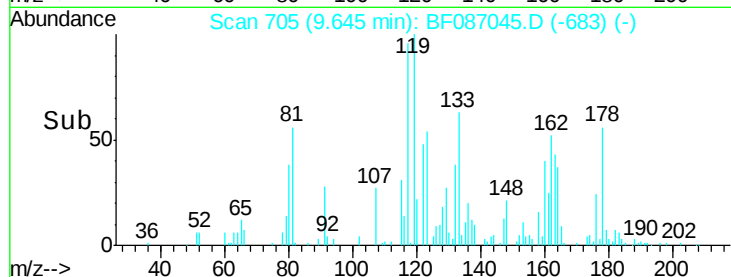
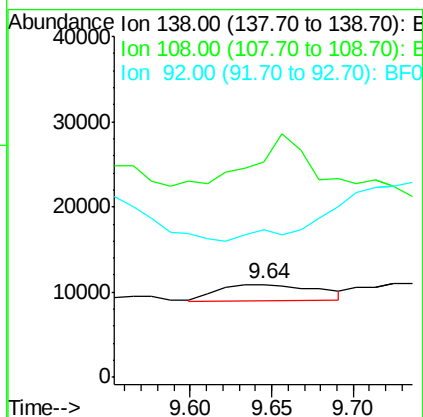
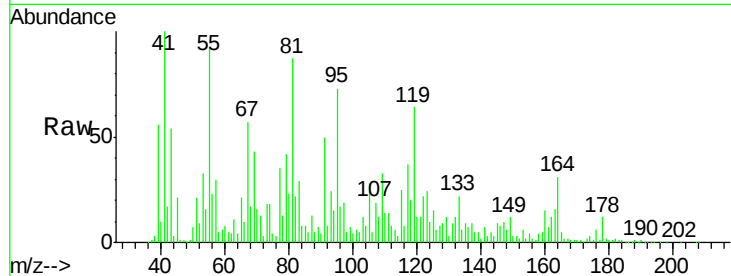
Tgt Ion:138 Resp: 8216

Ion Ratio Lower Upper

138 100

108 232.0 7.8 11.6#

92 158.0 87.8 131.8#



#53

2,4-Dinitrophenol

Concen: 16.02 ng

RT: 9.83 min Scan# 721

Delta R.T. 0.01 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

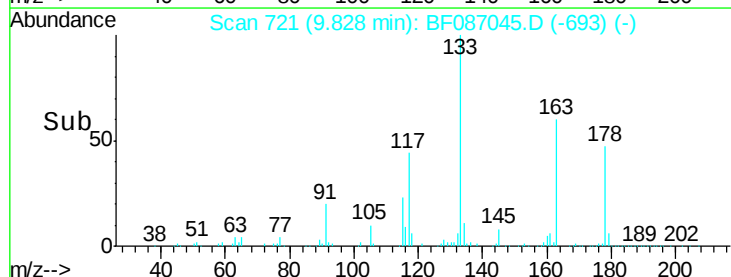
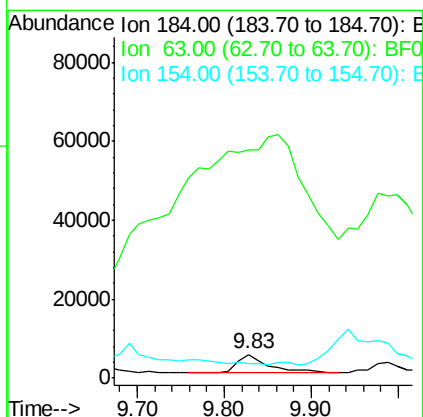
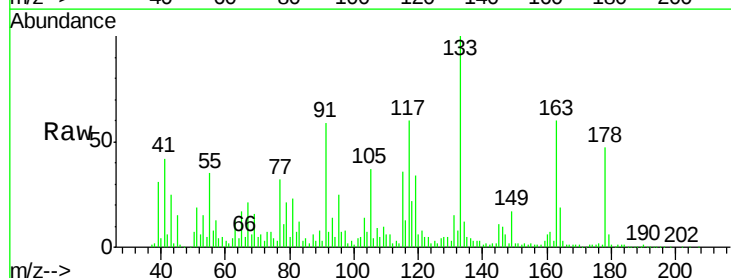
Tgt Ion:184 Resp: 12105

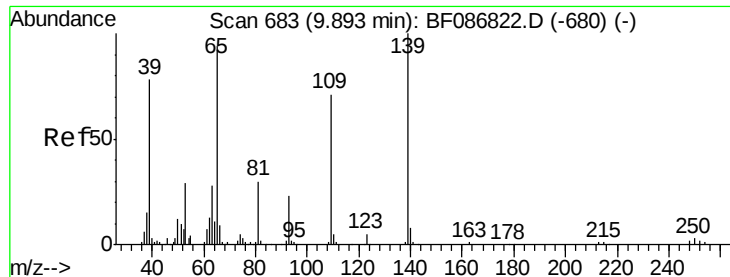
Ion Ratio Lower Upper

184 100

63 955.7 55.8 83.8#

154 63.2 62.4 93.6





#55

4-Nitrophenol

Concen: 7.82 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.11 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

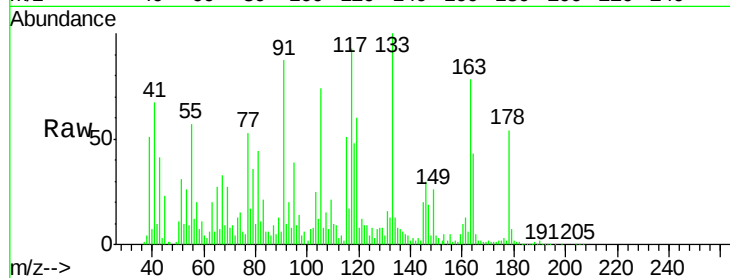
Tgt Ion:139 Resp: 6237

Ion Ratio Lower Upper

139 100

109 522.4 36.9 76.9#

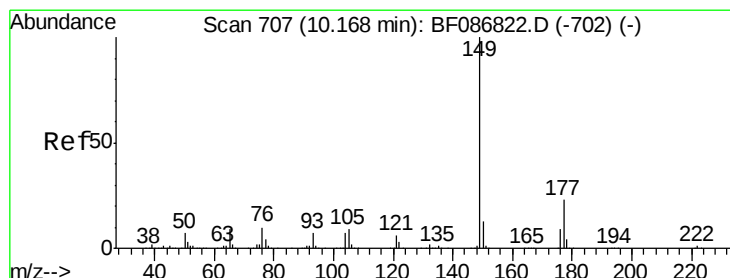
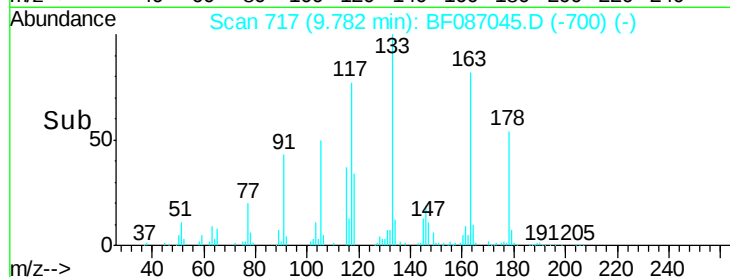
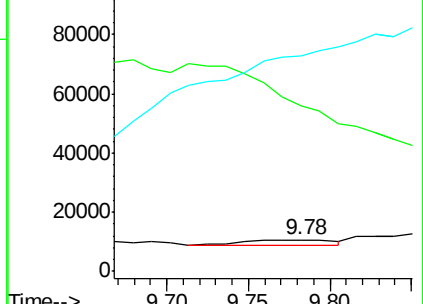
65 676.8 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#59

Diethylphthalate

Concen: 118.44 ng

RT: 9.98 min Scan# 734

Delta R.T. -0.19 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

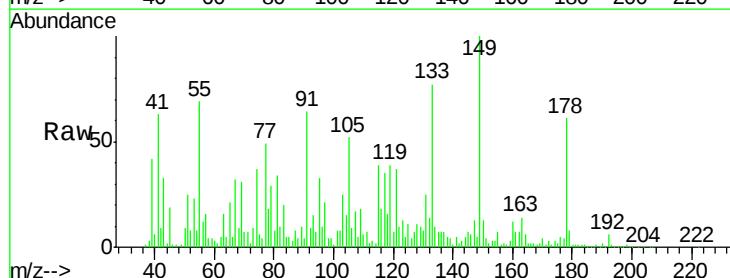
Tgt Ion:149 Resp: 1410054

Ion Ratio Lower Upper

149 100

177 3.5 16.6 24.8#

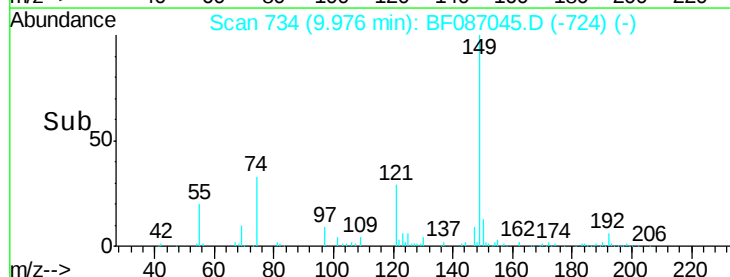
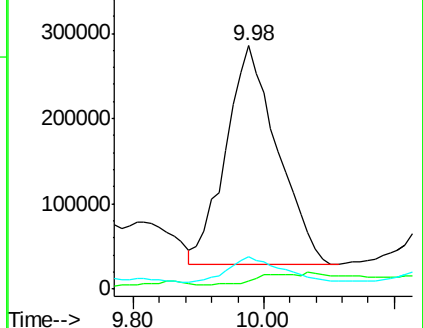
150 13.4 10.0 15.0

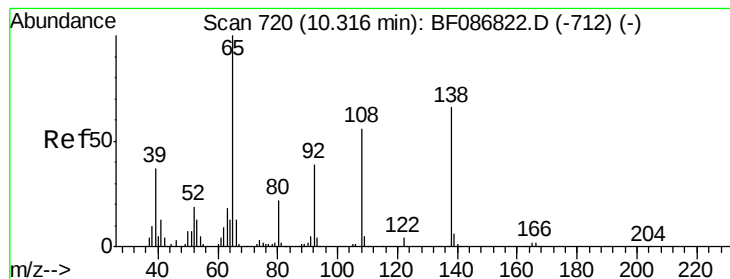


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#61

4-Nitroaniline

Concen: 2.17 ng

RT: 10.26 min Scan# 759

Delta R.T. -0.05 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampled :

MW-19

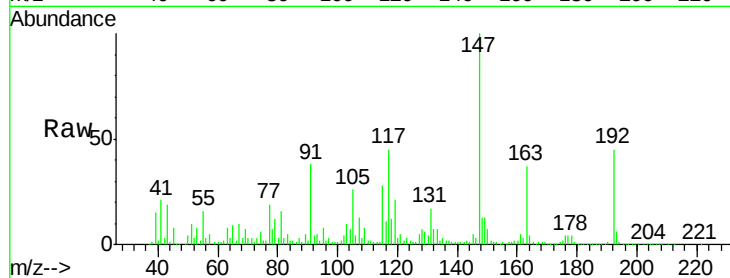
Tgt Ion:138 Resp: 5647

Ion Ratio Lower Upper

138 100

92 513.1 24.7 64.7#

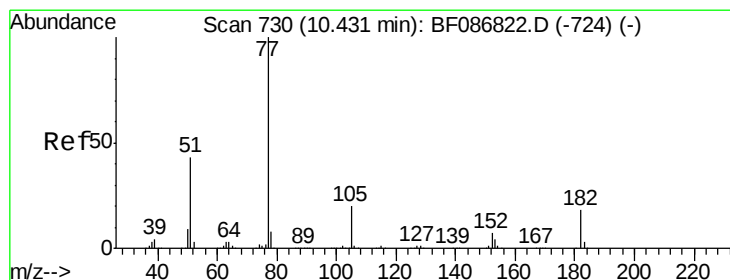
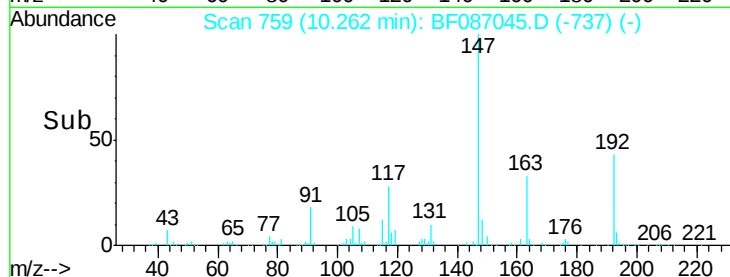
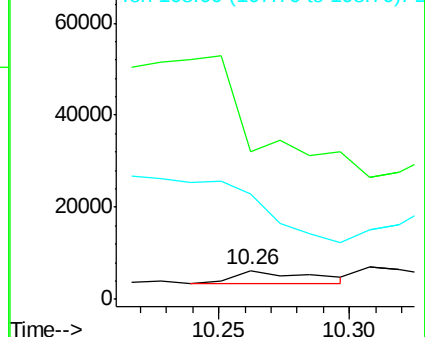
108 366.8 37.4 77.4#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 6.18 ng

RT: 10.38 min Scan# 769

Delta R.T. -0.05 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Tgt Ion: 77 Resp: 79429

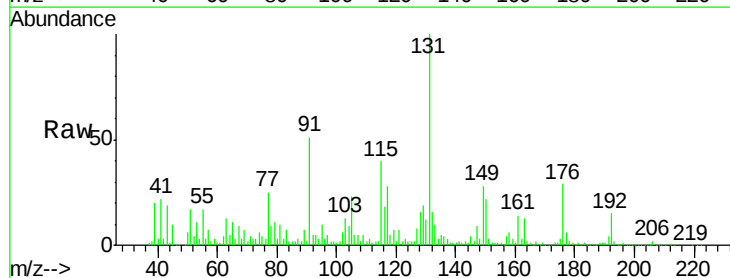
Ion Ratio Lower Upper

77 100

182 1.6 0.0 38.8

105 91.5 3.2 43.2#

51 68.4 8.8 48.8#

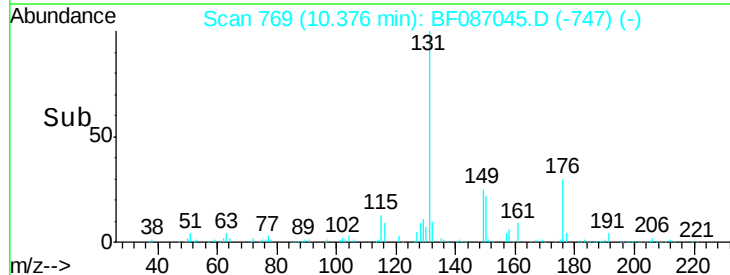
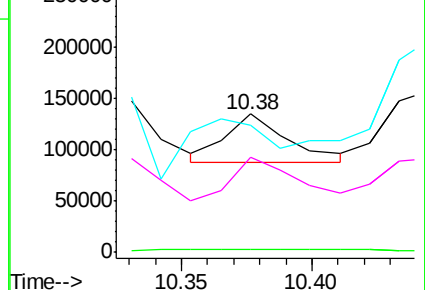


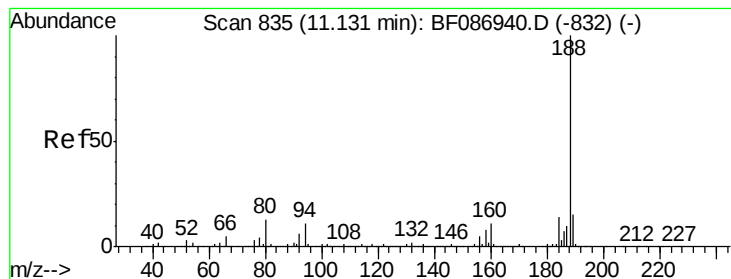
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.14 min Scan# 836

Delta R.T. -0.07 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampled :

MW-19

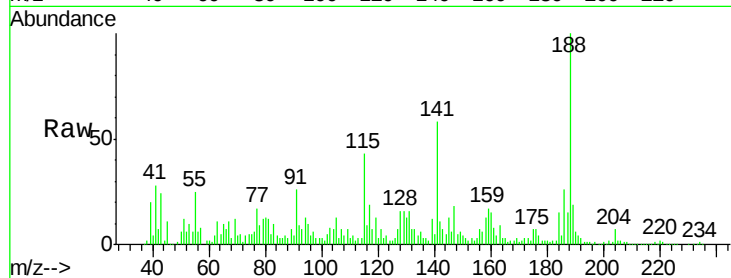
Tgt Ion:188 Resp: 363850

Ion Ratio Lower Upper

188 100

94 12.5 6.8 10.2#

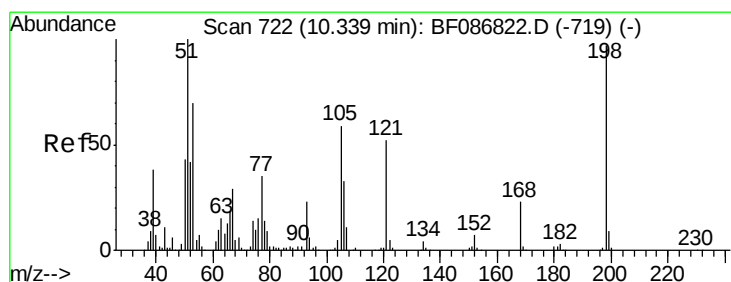
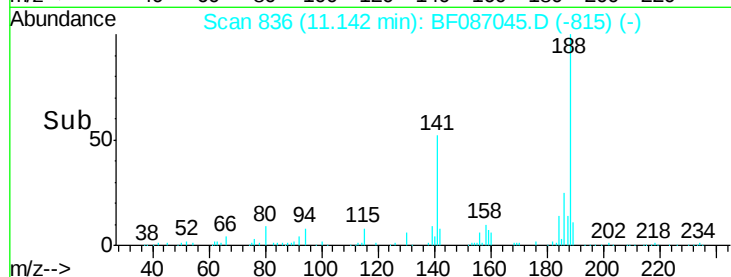
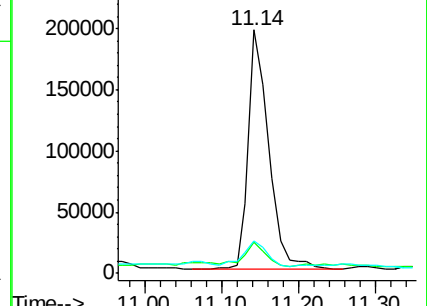
80 13.3 7.1 10.7#



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: 3.79 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.03 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

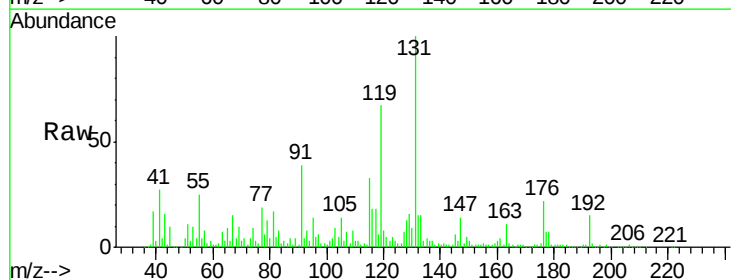
Tgt Ion:198 Resp: 8563

Ion Ratio Lower Upper

198 100

51 2099.3 20.5 60.5#

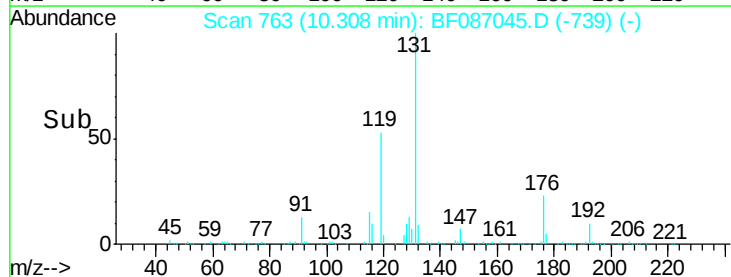
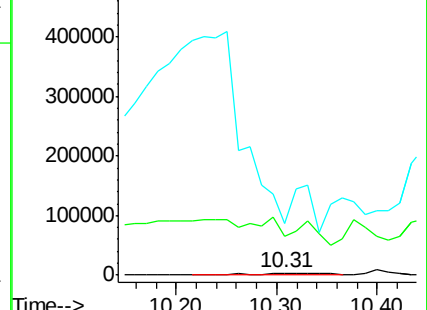
105 2809.4 24.5 64.5#

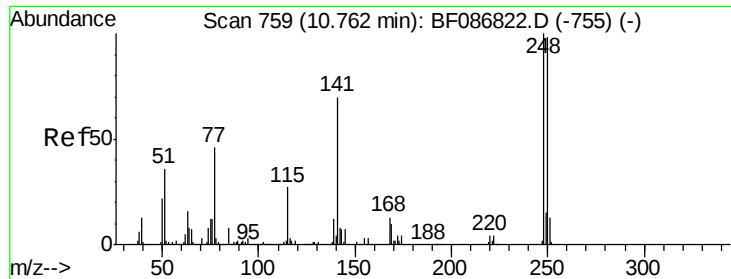


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.80 ng

RT: 10.47 min Scan# 777

Delta R.T. -0.29 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampleId :

MW-19

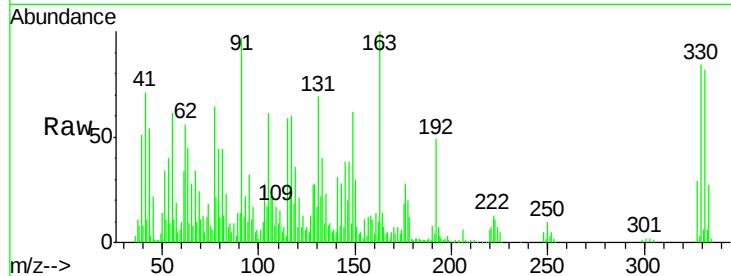
Tgt Ion:248 Resp: 17690

Ion Ratio Lower Upper

248 100

250 196.0 78.6 117.8#

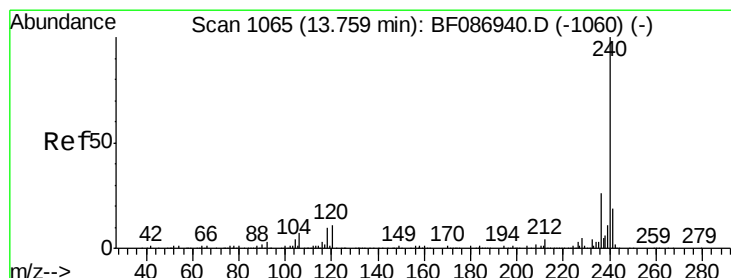
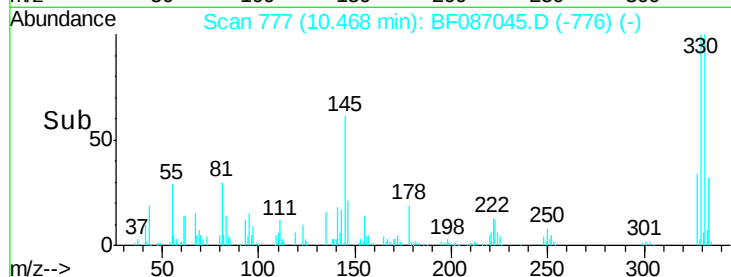
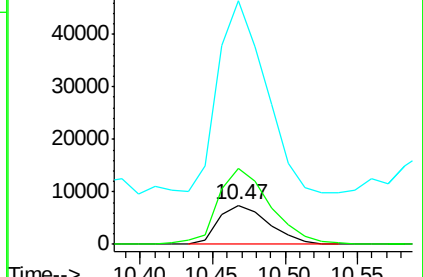
141 626.3 76.0 114.0#



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: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

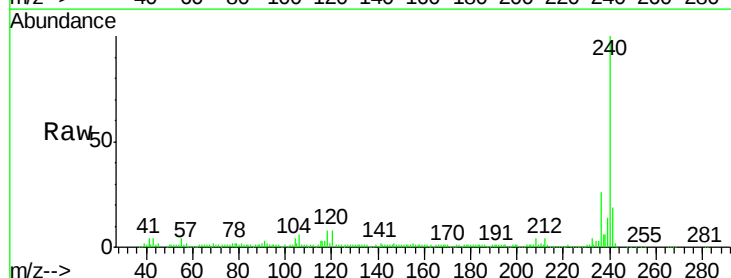
Tgt Ion:240 Resp: 278699

Ion Ratio Lower Upper

240 100

120 7.9 11.2 16.8#

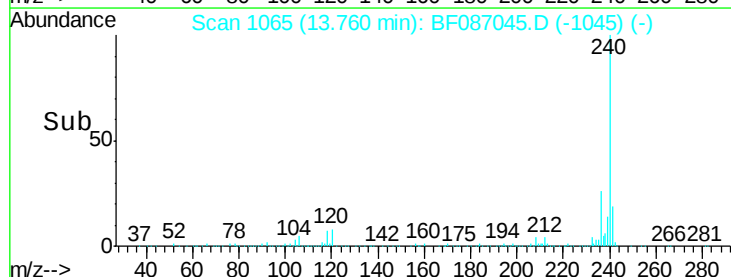
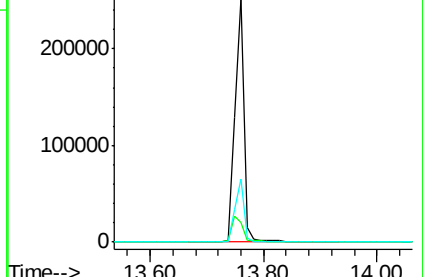
236 25.8 21.2 31.8

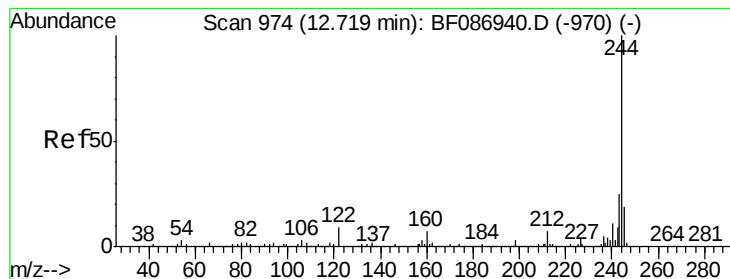


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 64.22 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.08 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

Instrument :

BNA_F

ClientSampled :

MW-19

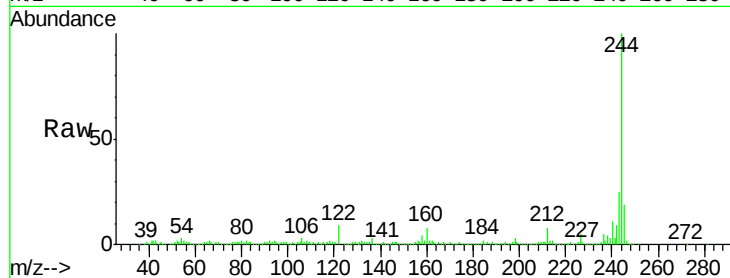
Tgt Ion:244 Resp: 843591

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

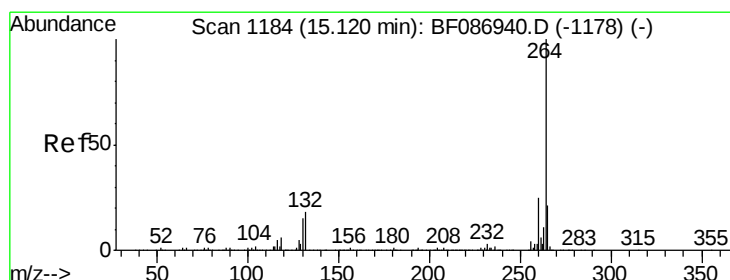
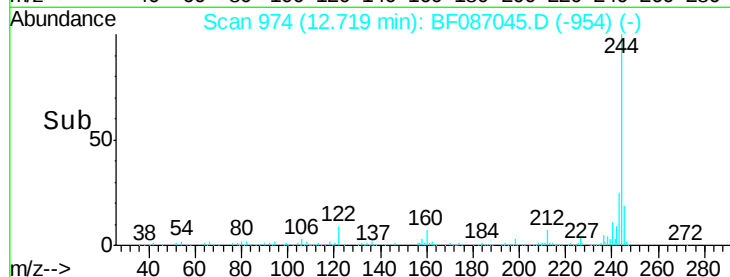
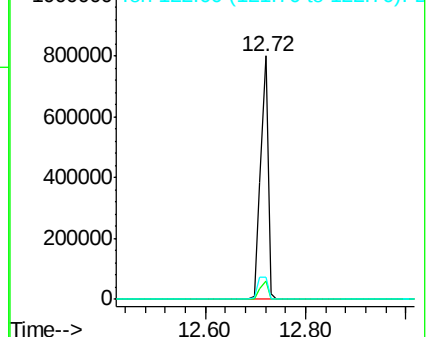
122 9.0 12.0 18.0#



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: 20.00 ng

RT: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087045.D

Acq: 15 May 2016 3:27

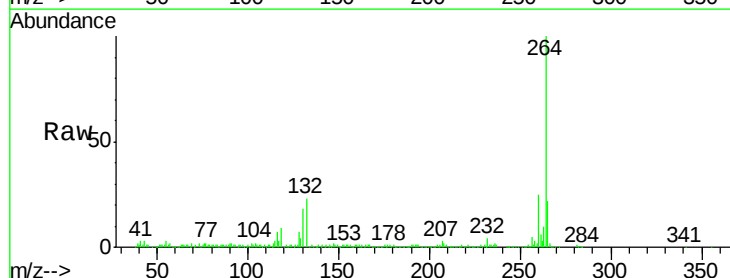
Tgt Ion:264 Resp: 295889

Ion Ratio Lower Upper

264 100

260 24.9 19.5 29.3

265 21.5 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

