

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF093015\
 Data File : BF081928.D
 Acq On : 1 Oct 2015 4:26
 Operator : UM/IZ
 Sample : G3846-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 005-TB-5(4-8)

Quant Time: Oct 01 06:01:53 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 05:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	109875	20.00	ng	0.01
21) Naphthalene-d8	8.19	136	398656	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	175401	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	286706	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	309726	20.00	ng	-0.01
86) Perylene-d12	15.53	264	298503	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	685034	113.18	ng	0.01
7) Phenol-d6	6.54	99	902511	118.50	ng	0.00
23) Nitrobenzene-d5	7.47	82	527243	88.16	ng	0.00
41) 2,4,6-Tribromophenol	10.74	330	206167	116.06	ng	0.00
44) 2-Fluorobiphenyl	9.27	172	939210	90.80	ng	0.00
78) Terphenyl-d14	13.02	244	735954	74.07	ng	0.00

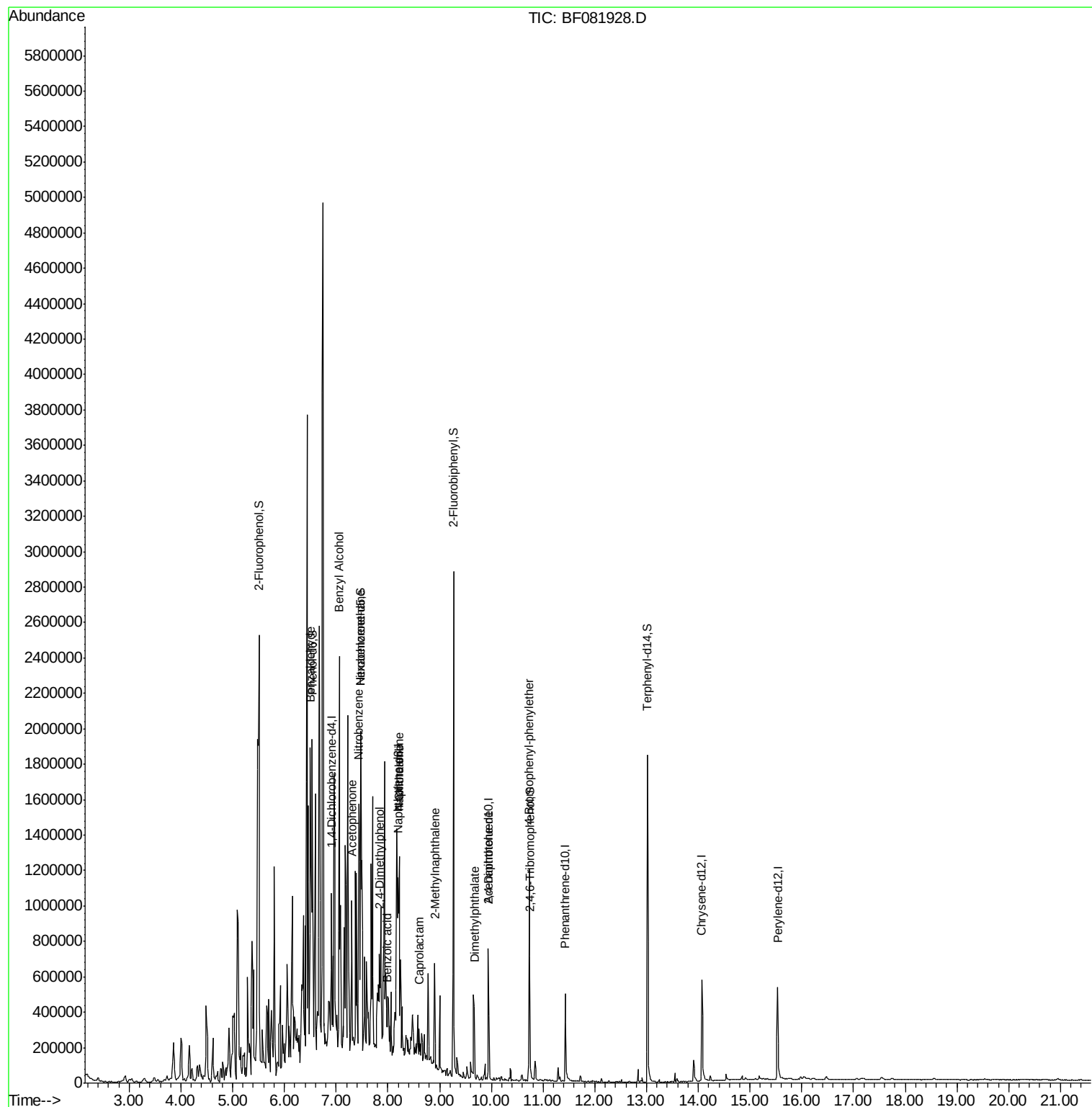
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	83131	16.67	ng	# 1
15) Benzyl Alcohol	7.06	79	17040	3.10	ng	# 36
18) Hexachloroethane	7.47	117	298365	115.61	ng	# 9
22) Acetophenone	7.30	105	221145	27.13	ng	# 49
24) Nitrobenzene	7.44	77	65081	10.02	ng	# 8
27) 2,4-Dimethylphenol	7.84	122	17688	3.23	ng	# 26
31) Naphthalene	8.22	128	418172	23.67	ng	# 96
32) Benzoic acid	7.98	122	6379	8.99	ng	# 38
33) 4-Chloroaniline	8.22	127	76644	10.03	ng	# 37
35) Caprolactam	8.61	113	4795	3.26	ng	# 1
37) 2-Methylnaphthalene	8.90	142	187005	15.51	ng	# 91
49) Dimethylphthalate	9.67	163	298688	24.67	ng	# 97
56) 2,4-Dinitrotoluene	9.94	165	23275	6.95	ng	# 35
57) Fluorene	10.49	166	1210	Below Cal		# 79
66) 4-Bromophenyl-phenylether	10.73	248	12297	4.25	ng	# 1
70) Phenanthrene	11.46	178	2457	Below Cal		# 90
73) Di-n-butylphthalate	11.99	149	1450	Below Cal		# 78

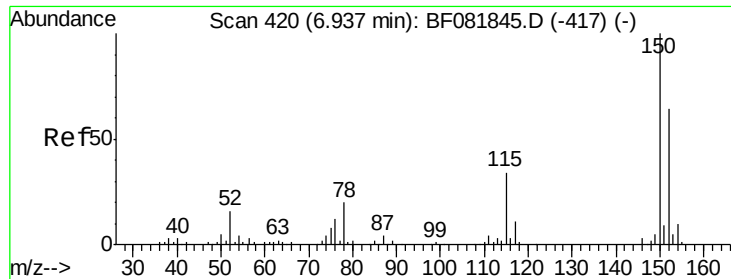
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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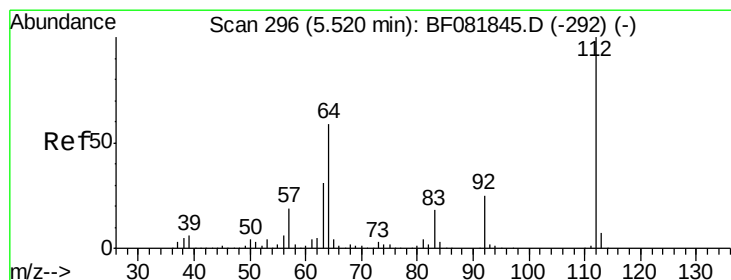
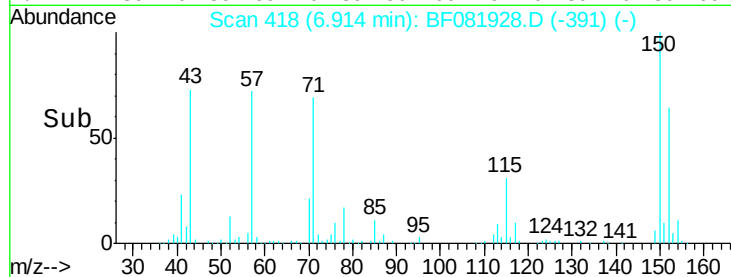
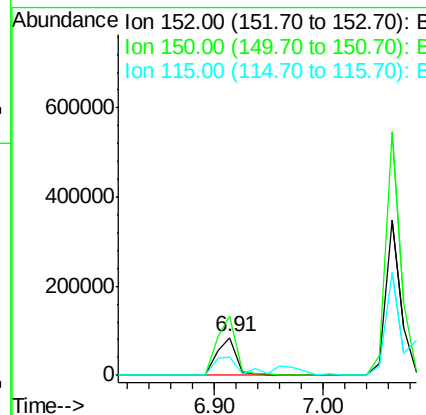
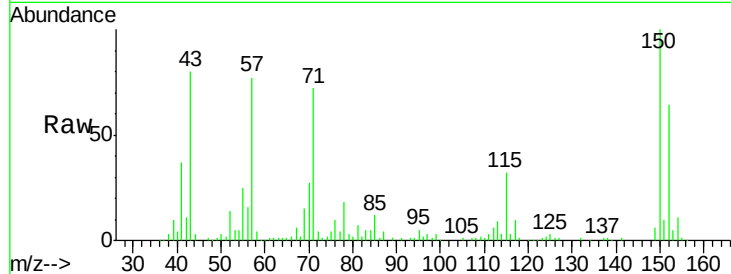


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.91 min Scan# 418
Delta R.T. 0.01 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

Instrument :
BNA_F
ClientSampleId :
005-TB-5(4-8)

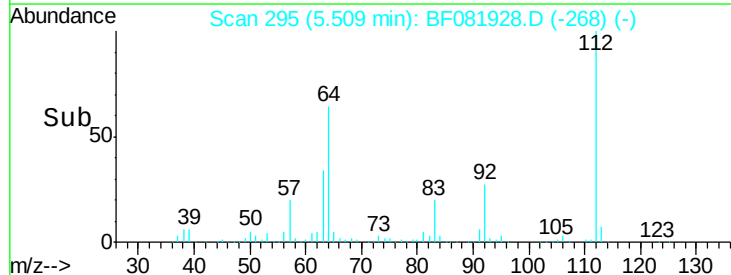
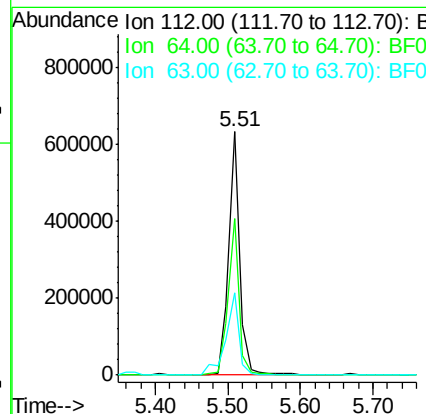
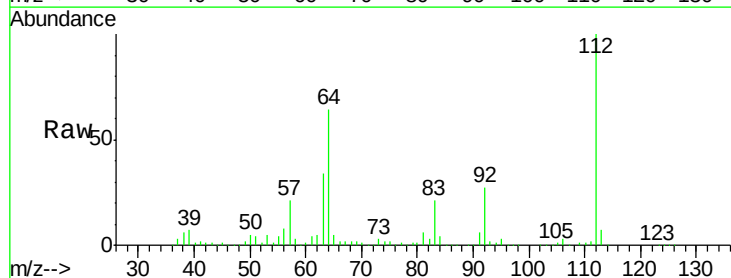
Tgt Ion:152 Resp: 109875
Ion Ratio Lower Upper
152 100
150 155.3 124.7 187.1
115 49.0 39.0 58.4

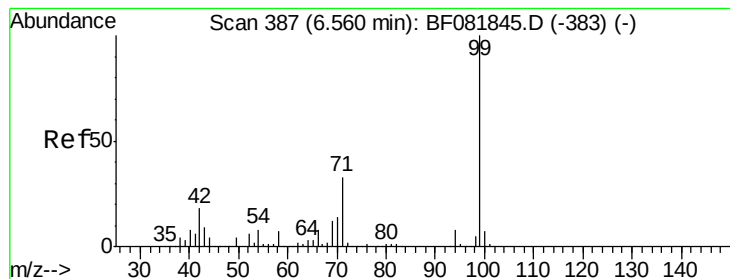


#5

2-Fluorophenol
Concen: 113.18 ng
RT: 5.51 min Scan# 295
Delta R.T. 0.01 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

Tgt Ion:112 Resp: 685034
Ion Ratio Lower Upper
112 100
64 64.2 39.7 59.5#
63 34.0 17.4 26.0#





#7

Phenol-d6

Concen: 118.50 ng

RT: 6.54 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

005-TB-5(4-8)

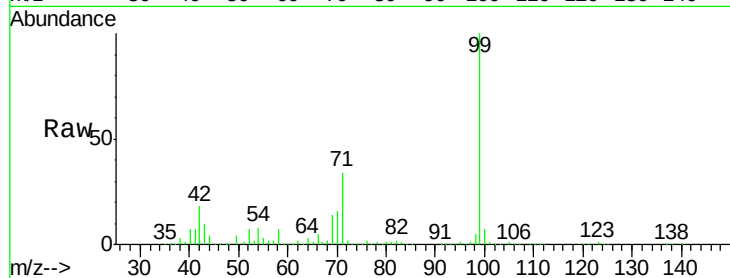
Tgt Ion: 99 Resp: 902511

Ion Ratio Lower Upper

99 100

42 18.3 13.7 20.5

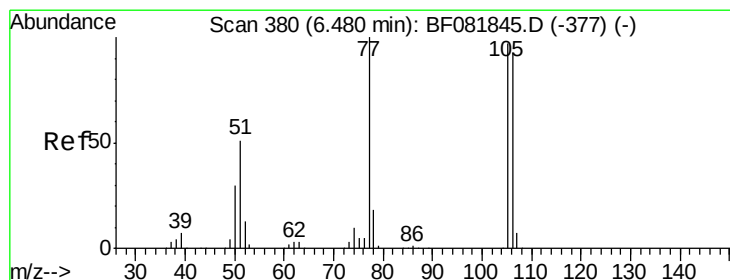
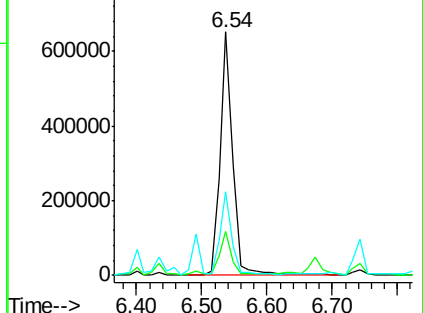
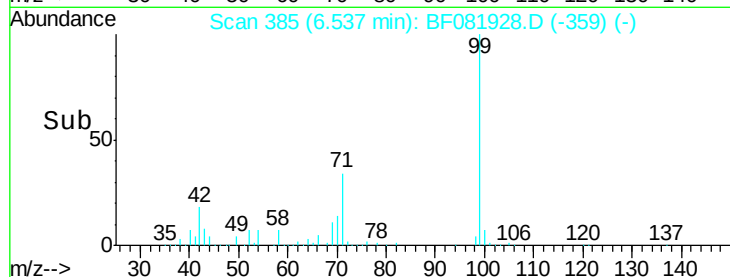
71 34.4 14.2 21.2#



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: 16.67 ng

RT: 6.50 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

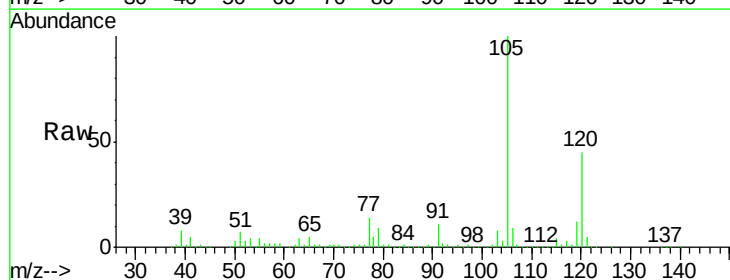
Tgt Ion: 77 Resp: 83131

Ion Ratio Lower Upper

77 100

105 735.1 91.6 131.6#

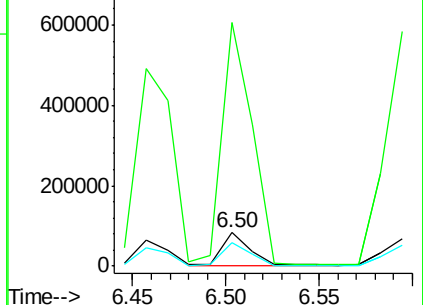
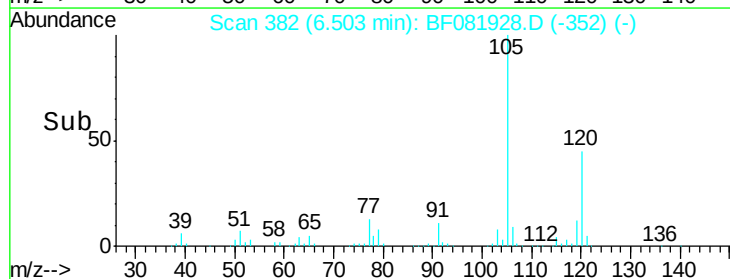
106 69.3 102.6 142.6#

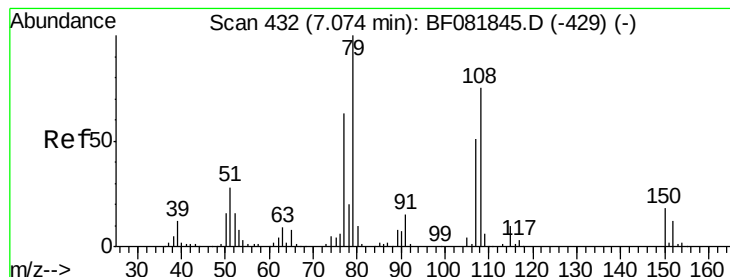


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.10 ng

RT: 7.06 min Scan# 431

Delta R.T. 0.01 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

005-TB-5(4-8)

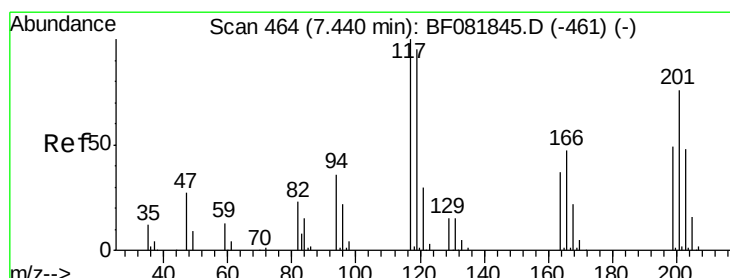
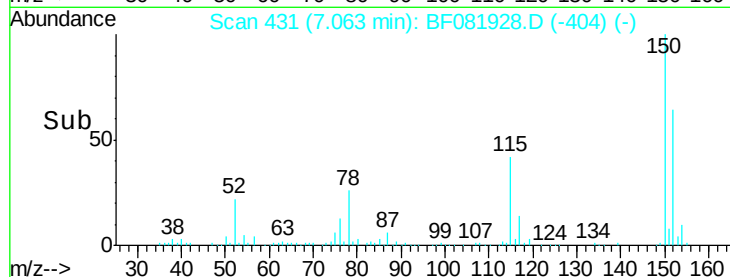
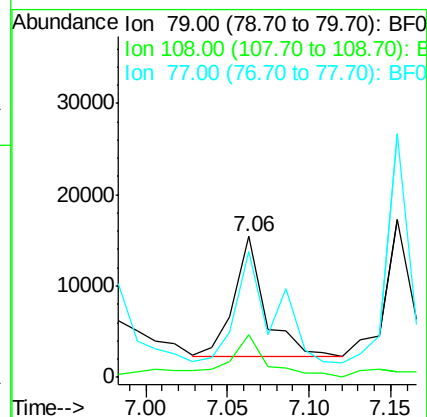
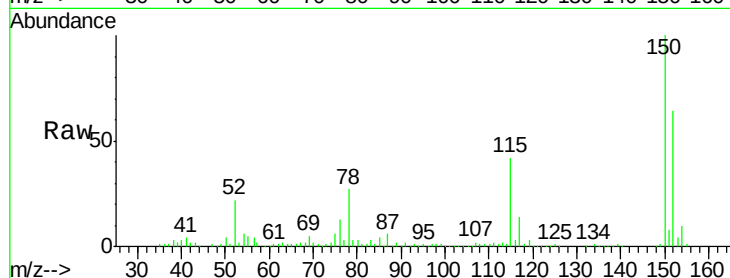
Tgt Ion: 79 Resp: 17040

Ion Ratio Lower Upper

79 100

108 29.9 88.6 132.8#

77 89.4 47.0 70.4#



#18

Hexachloroethane

Concen: 115.61 ng

RT: 7.47 min Scan# 467

Delta R.T. 0.06 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

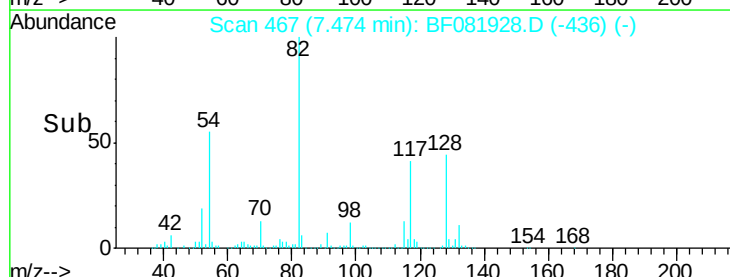
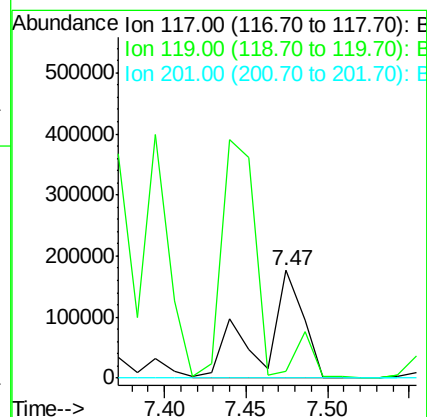
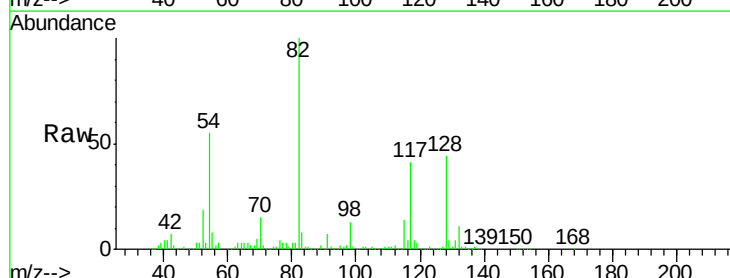
Tgt Ion: 117 Resp: 298365

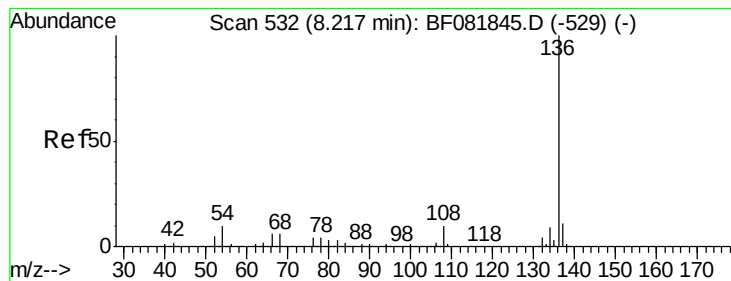
Ion Ratio Lower Upper

117 100

119 6.8 83.8 125.6#

201 0.0 55.1 82.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.19 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

005-TB-5(4-8)

Tgt Ion:136 Resp: 398656

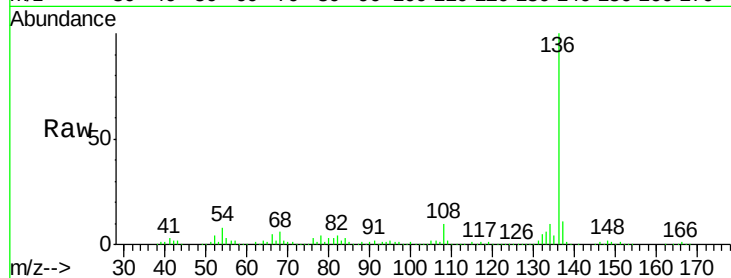
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 8.1 8.2 12.2#

68 5.7 5.8 8.6#

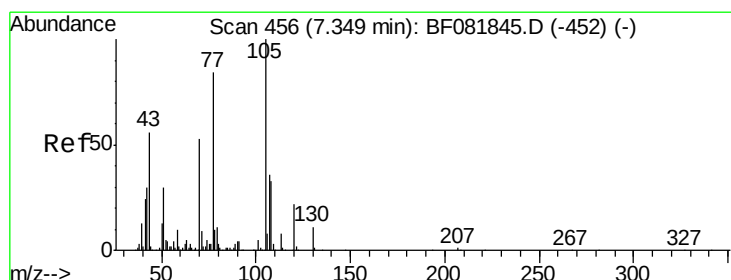
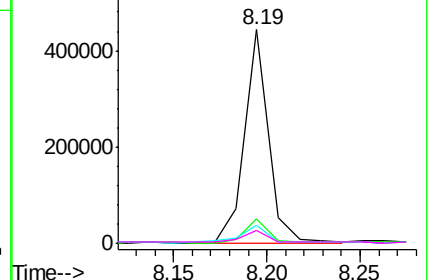
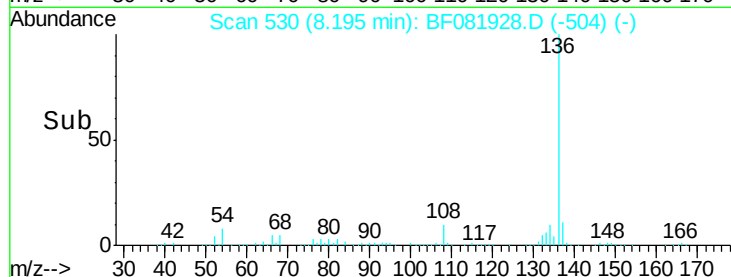


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 27.13 ng

RT: 7.30 min Scan# 452

Delta R.T. -0.02 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

Tgt Ion:105 Resp: 221145

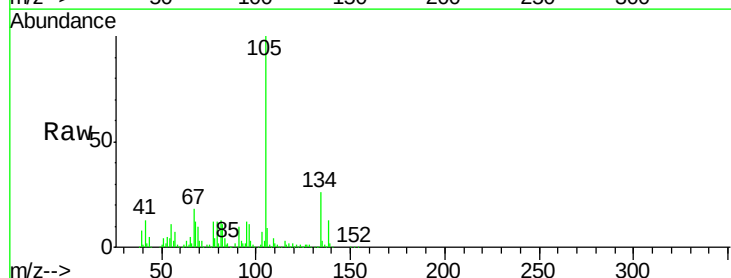
Ion Ratio Lower Upper

105 100

71 3.0 4.7 7.1#

51 3.9 22.0 33.0#

120 0.4 30.1 45.1#

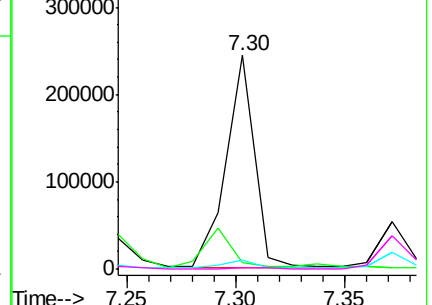
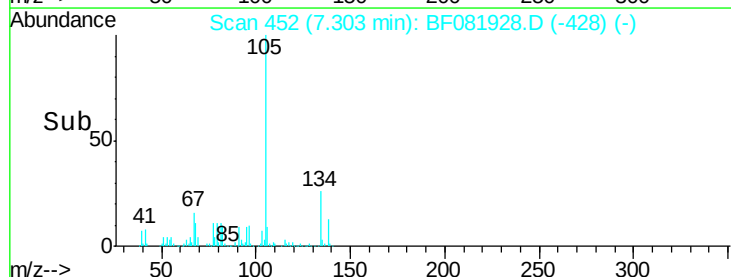


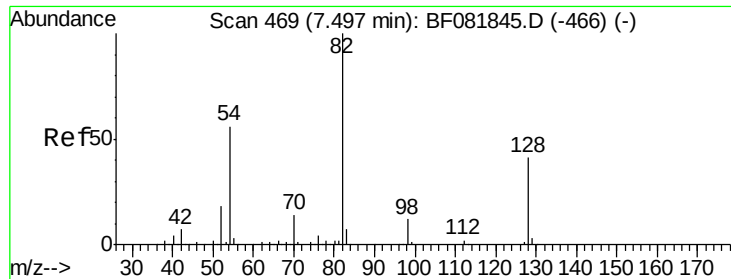
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

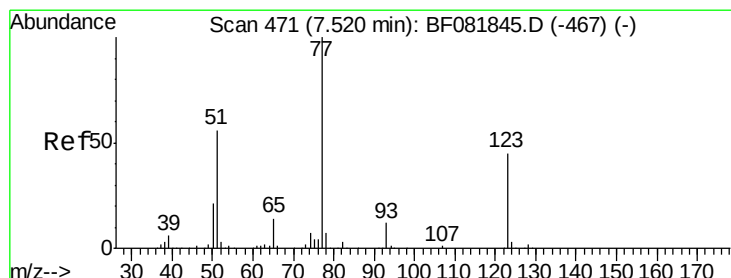
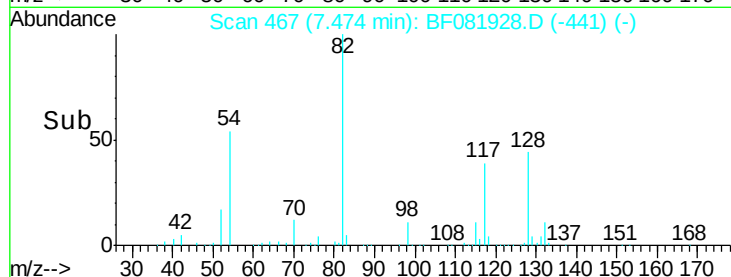
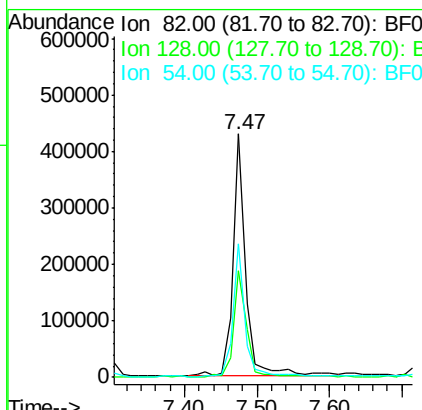
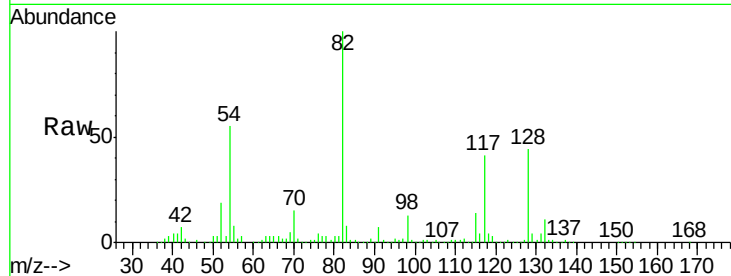




#23
 Nitrobenzene-d5
 Concen: 88.16 ng
 RT: 7.47 min Scan# 467
 Delta R.T. 0.00 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

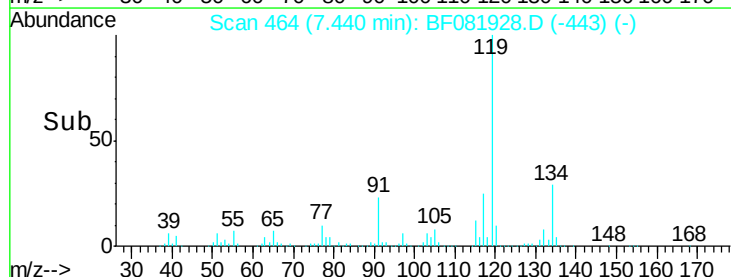
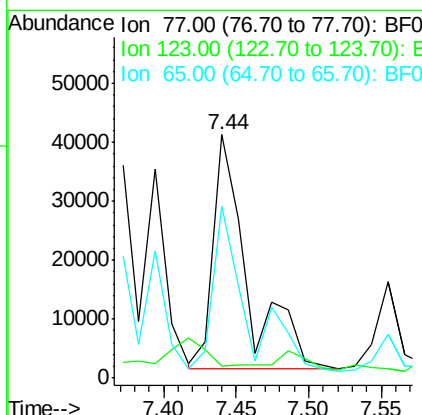
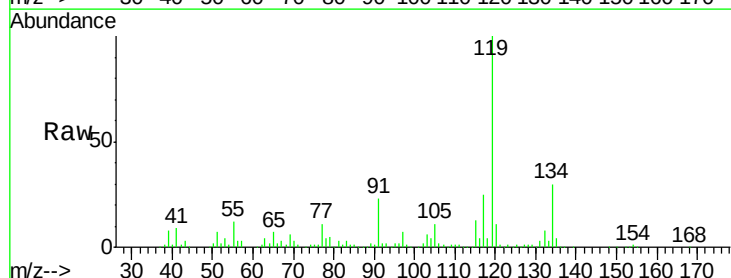
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 BNA_F
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 005-TB-5(4-8)

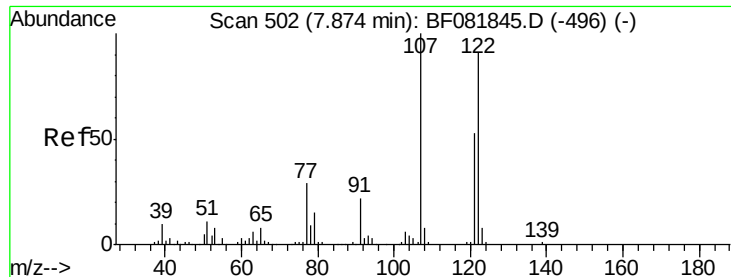
Tgt Ion: 82 Resp: 527243
 Ion Ratio Lower Upper
 82 100
 128 43.6 51.0 76.6#
 54 54.6 47.5 71.3



#24
 Nitrobenzene
 Concen: 10.02 ng
 RT: 7.44 min Scan# 464
 Delta R.T. -0.06 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

Tgt Ion: 77 Resp: 65081
 Ion Ratio Lower Upper
 77 100
 123 4.8 59.8 89.8#
 65 70.4 10.2 15.4#





#27

2,4-Dimethylphenol

Concen: 3.23 ng

RT: 7.84 min Scan# 499

Delta R.T. -0.01 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

005-TB-5(4-8)

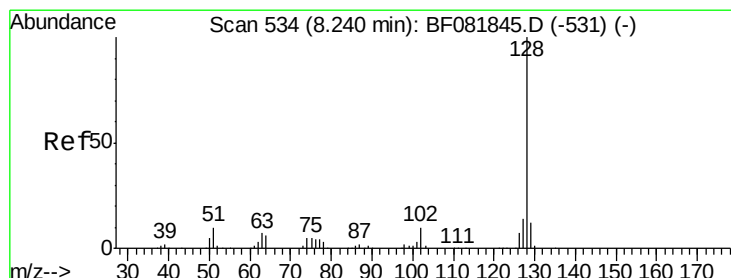
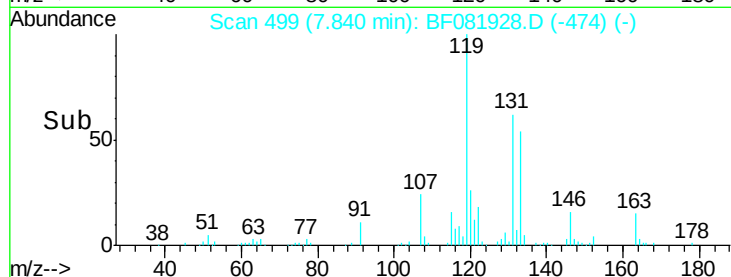
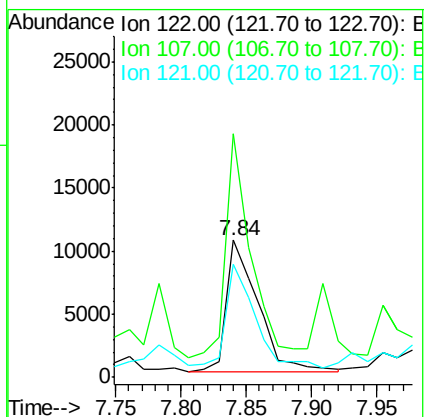
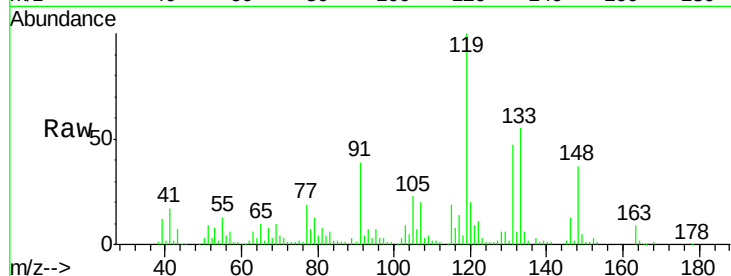
Tgt Ion:122 Resp: 17688

Ion Ratio Lower Upper

122 100

107 177.7 71.8 107.6#

121 82.1 42.3 63.5#



#31

Naphthalene

Concen: 23.67 ng

RT: 8.22 min Scan# 532

Delta R.T. 0.00 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

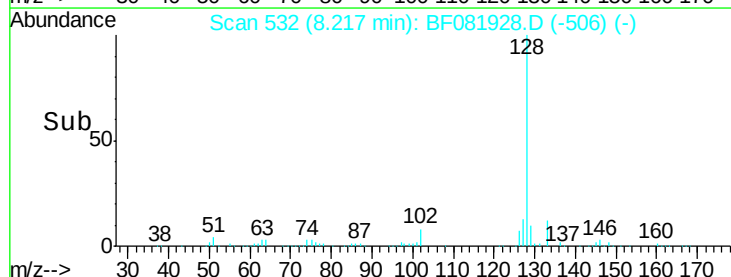
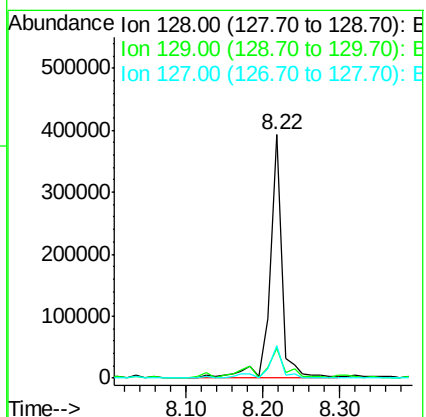
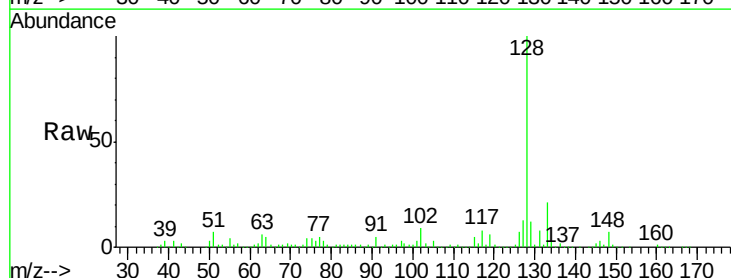
Tgt Ion:128 Resp: 418172

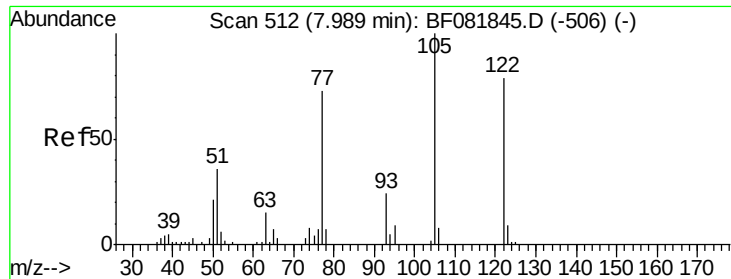
Ion Ratio Lower Upper

128 100

129 12.2 8.4 12.6

127 13.5 9.9 14.9

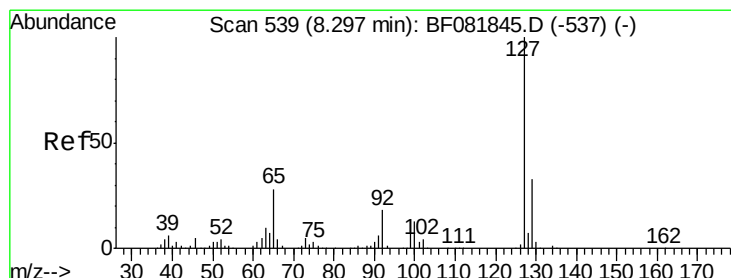
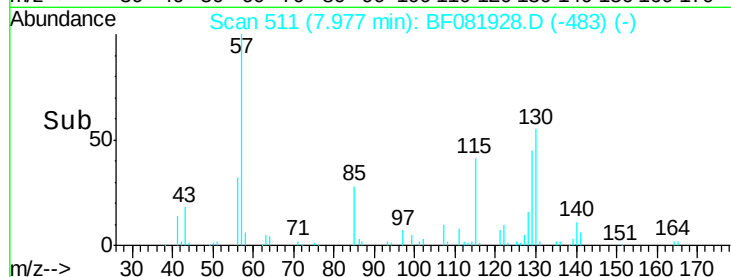
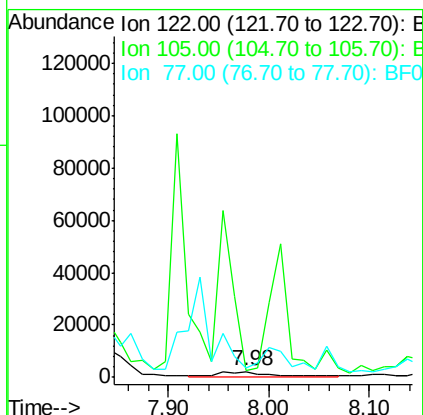
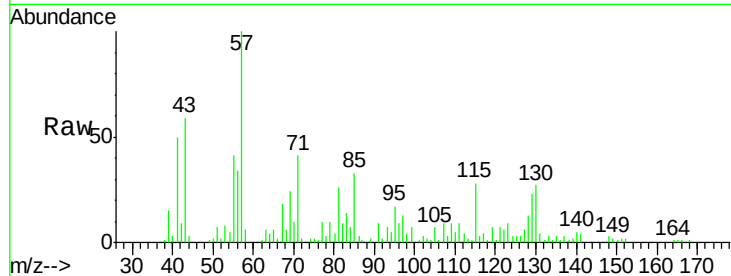




#32
Benzoic acid
Concen: 8.99 ng
RT: 7.98 min Scan# 511
Delta R.T. 0.02 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

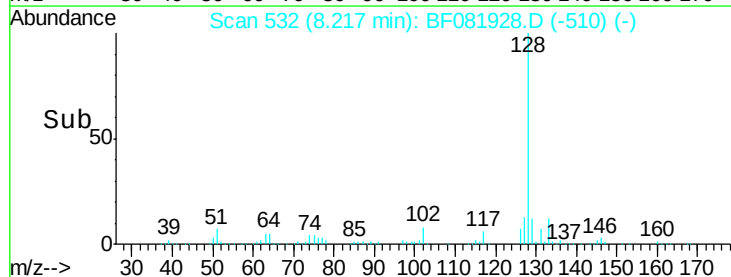
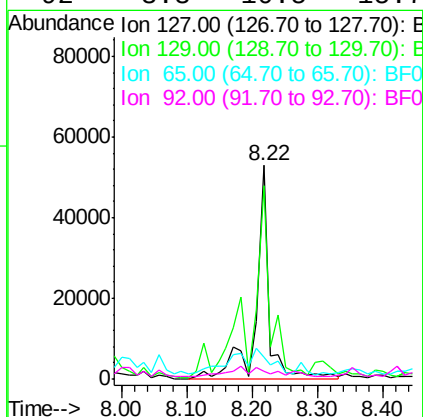
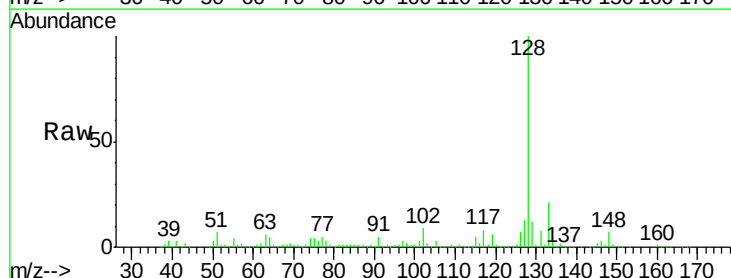
Instrument :
BNA_F
ClientSampleId :
005-TB-5(4-8)

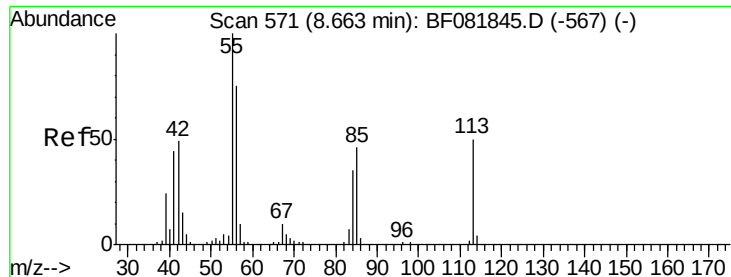
Tgt Ion:122 Resp: 6379
Ion Ratio Lower Upper
122 100
105 113.7 76.1 116.1
77 160.8 40.5 80.5#



#33
4-Chloroaniline
Concen: 10.03 ng
RT: 8.22 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

Tgt Ion:127 Resp: 76644
Ion Ratio Lower Upper
127 100
129 90.7 25.8 38.6#
65 10.1 17.9 26.9#
92 3.3 10.5 15.7#

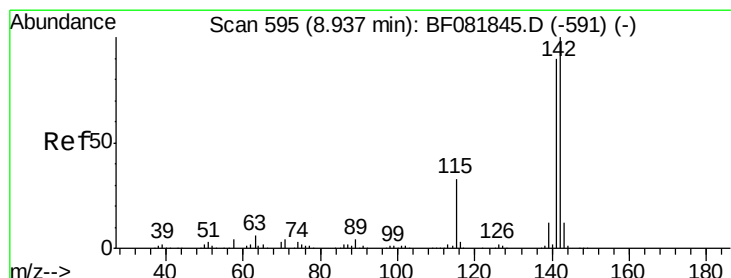
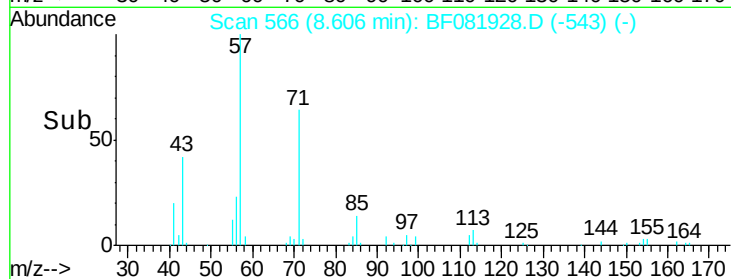
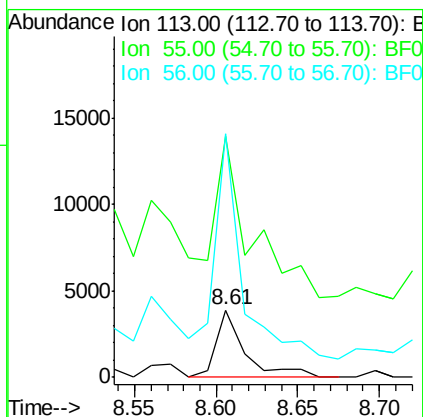
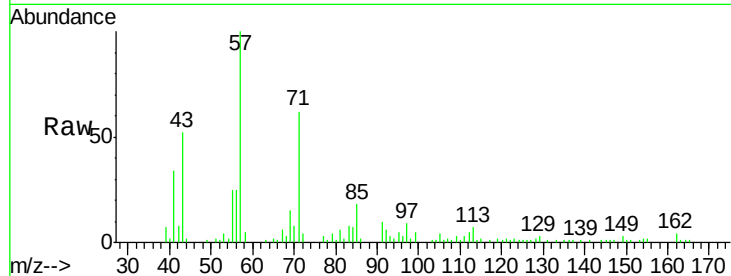




#35
 Caprolactam
 Concen: 3.26 ng
 RT: 8.61 min Scan# 566
 Delta R.T. -0.03 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

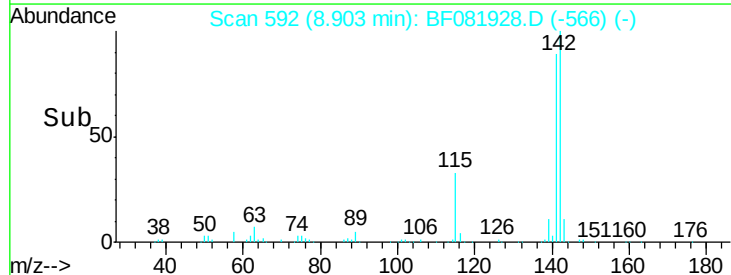
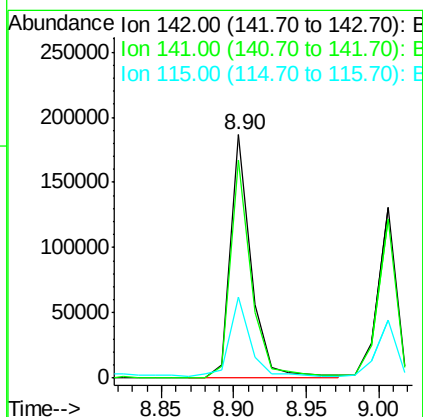
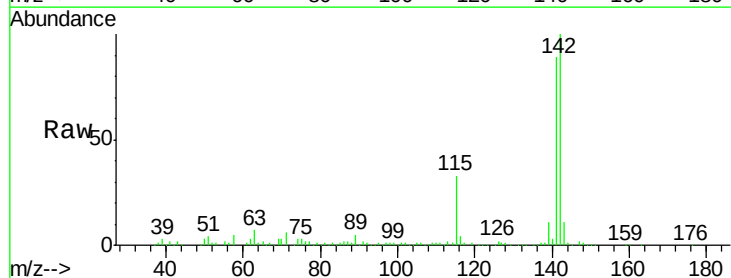
Instrument :
 BNA_F
 ClientSampleId :
 005-TB-5(4-8)

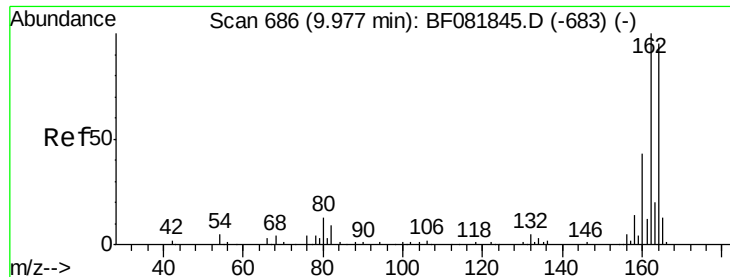
Tgt Ion:113 Resp: 4795
 Ion Ratio Lower Upper
 113 100
 55 356.9 152.4 192.4#
 56 360.5 104.6 144.6#



#37
 2-Methylnaphthalene
 Concen: 15.51 ng
 RT: 8.90 min Scan# 592
 Delta R.T. 0.00 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

Tgt Ion:142 Resp: 187005
 Ion Ratio Lower Upper
 142 100
 141 89.4 67.5 101.3
 115 33.5 18.2 27.2#

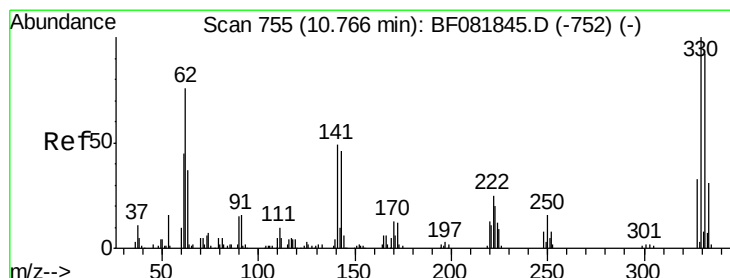
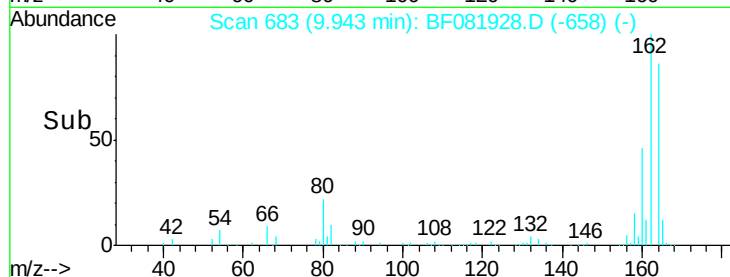
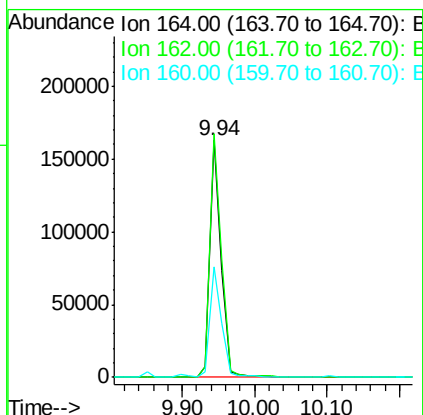
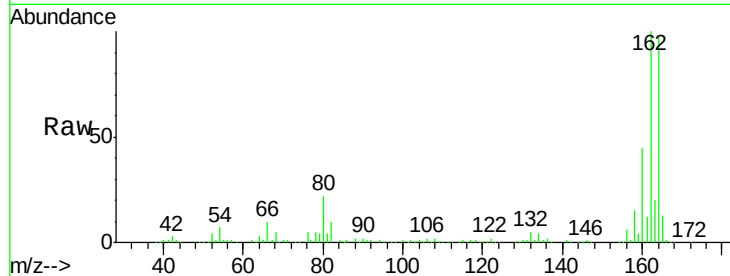




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

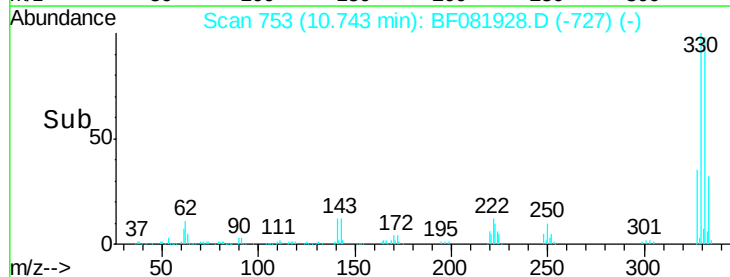
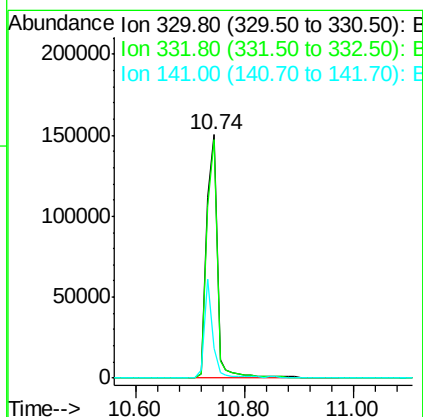
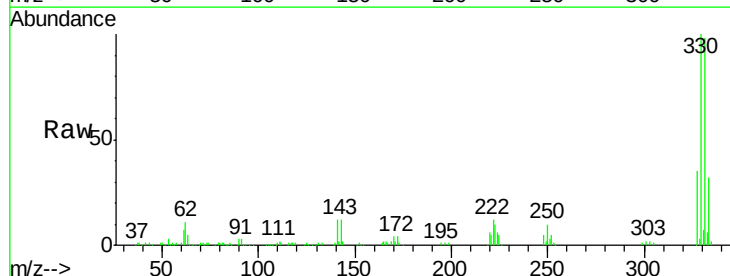
Instrument :
BNA_F
ClientSampleId :
005-TB-5(4-8)

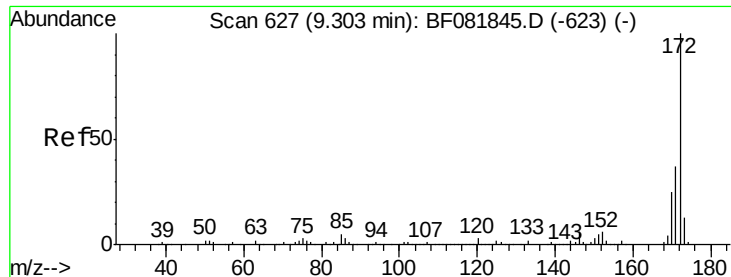
Tgt Ion:164 Resp: 175401
Ion Ratio Lower Upper
164 100
162 102.7 75.2 112.8
160 46.4 31.5 47.3



#41
2,4,6-Tribromophenol
Concen: 116.06 ng
RT: 10.74 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

Tgt Ion:330 Resp: 206167
Ion Ratio Lower Upper
330 100
332 97.0 76.6 114.8
141 31.2 29.7 44.5

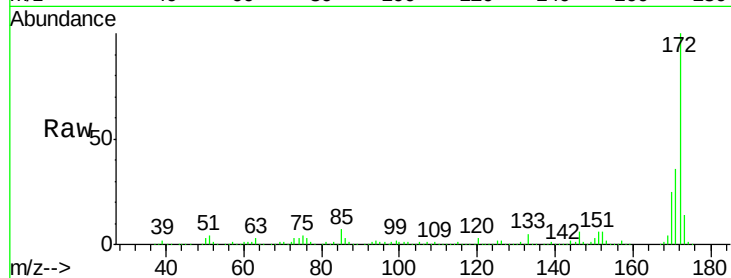




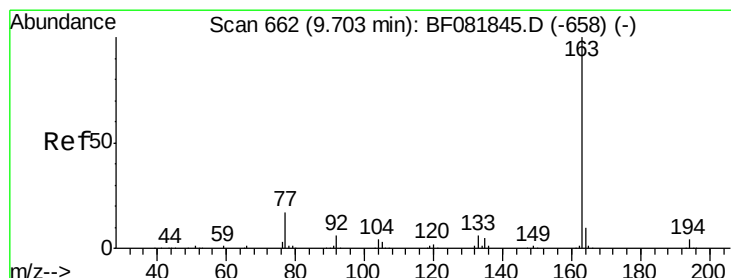
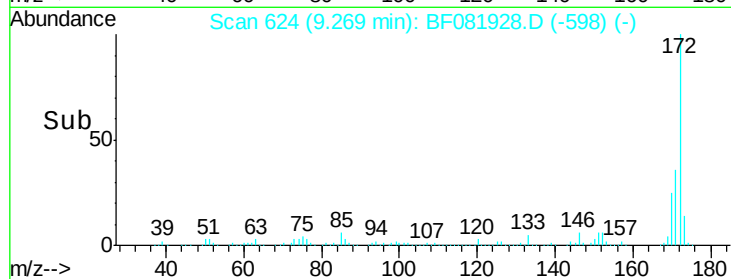
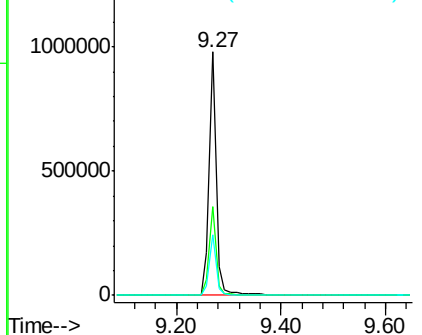
#44
 2-Fluorobiphenyl
 Concen: 90.80 ng
 RT: 9.27 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 005-TB-5(4-8)

Tgt Ion:172 Resp: 939210
 Ion Ratio Lower Upper
 172 100
 171 36.4 26.1 39.1
 170 24.8 17.4 26.2

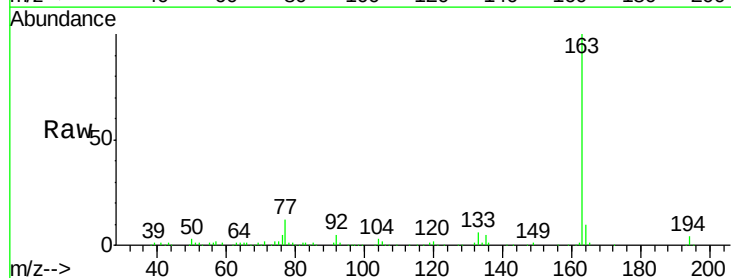


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

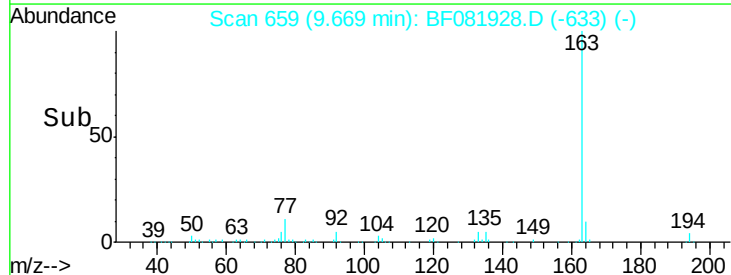
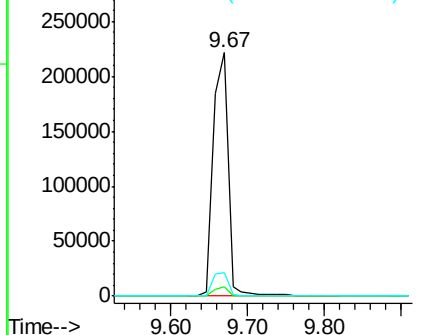


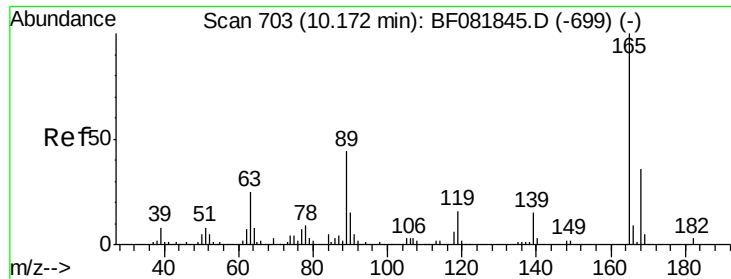
#49
 Dimethylphthalate
 Concen: 24.67 ng
 RT: 9.67 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

Tgt Ion:163 Resp: 298688
 Ion Ratio Lower Upper
 163 100
 194 4.0 4.4 6.6#
 164 9.6 8.3 12.5



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

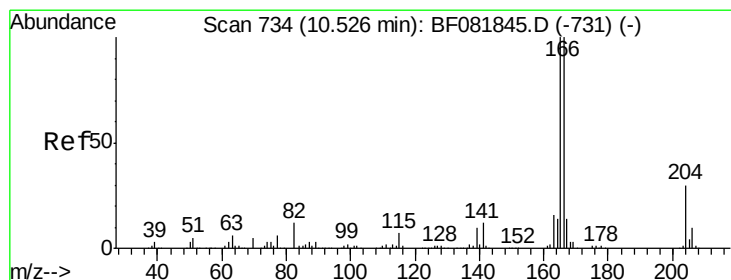
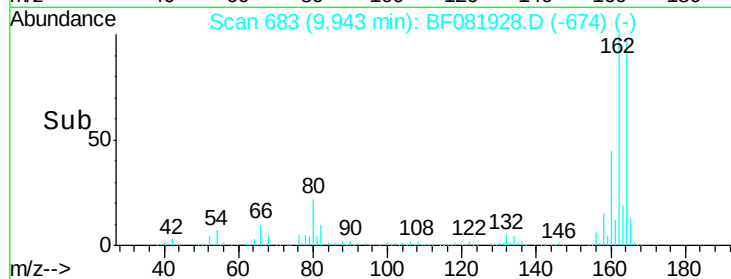
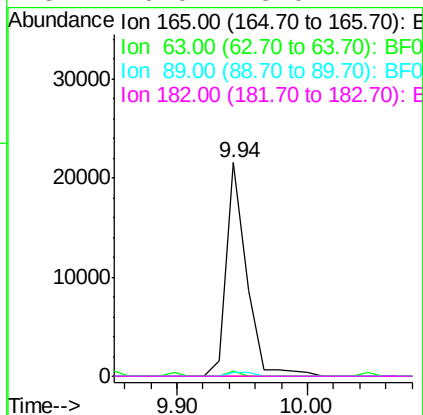
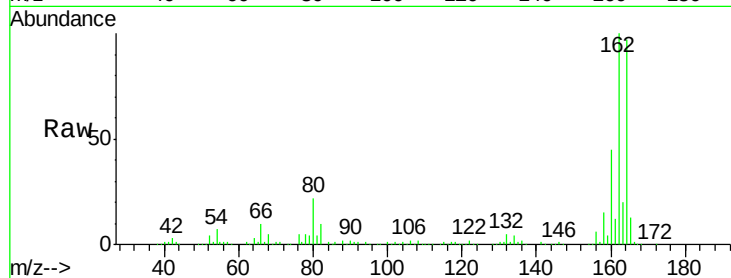




#56
2,4-Dinitrotoluene
Concen: 6.95 ng
RT: 9.94 min Scan# 683
Delta R.T. -0.19 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

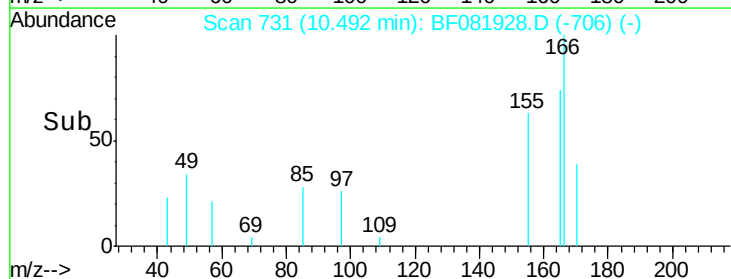
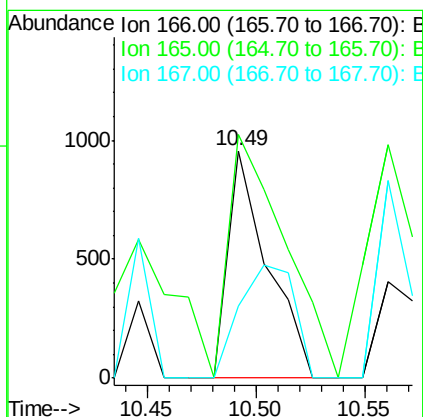
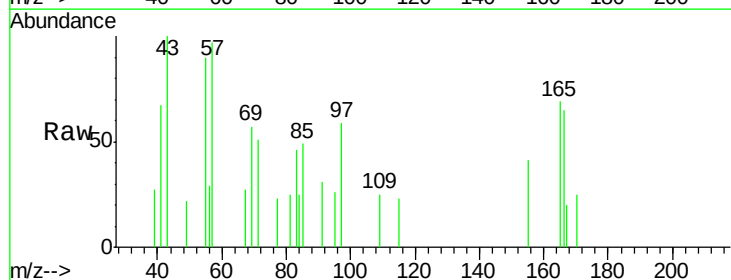
Instrument :
BNA_F
ClientSampleId :
005-TB-5(4-8)

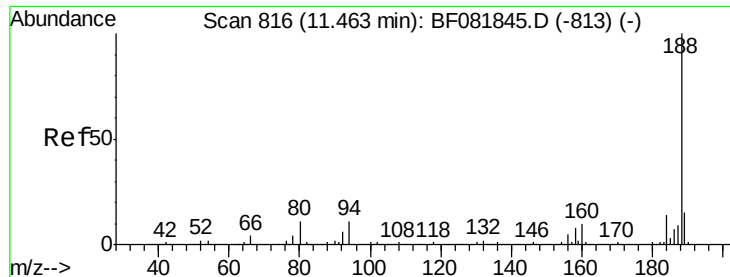
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.7	29.8	44.6#
89	2.1	44.5	66.7#
182	0.0	3.0	4.4#



#57
Fluorene
Concen: Below Cal
RT: 10.49 min Scan# 731
Delta R.T. -0.01 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	107.0	72.6	109.0
167	31.6	10.6	16.0#

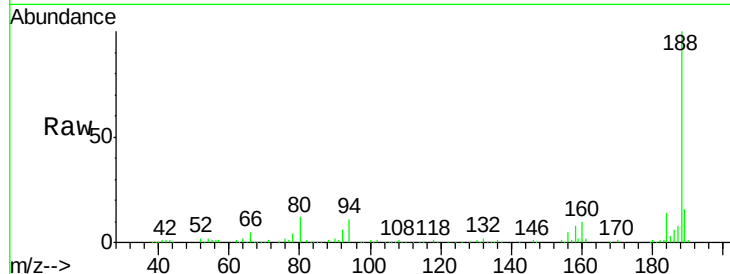




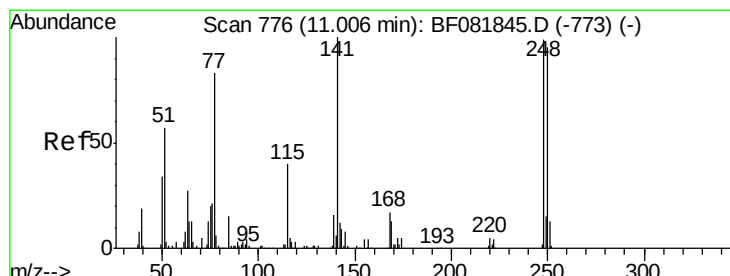
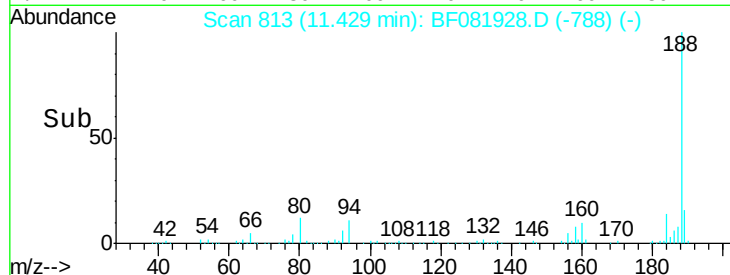
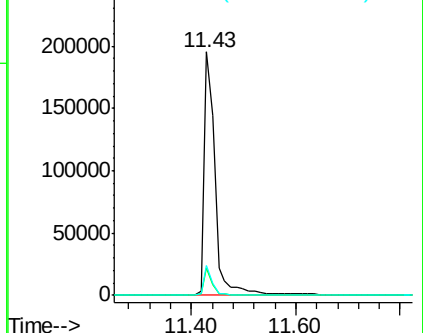
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

Instrument :
 BNA_F
 ClientSampleId :
 005-TB-5(4-8)

Tgt Ion:188 Resp: 286706
 Ion Ratio Lower Upper
 188 100
 94 11.4 11.1 16.7
 80 12.1 11.0 16.4

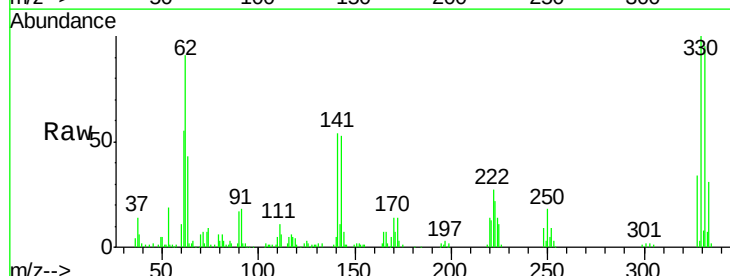


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

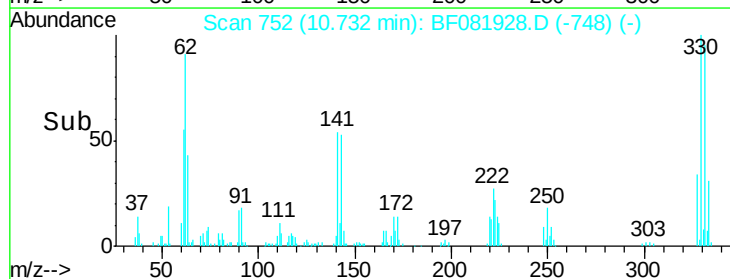
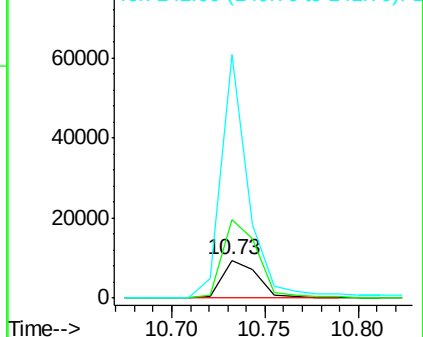


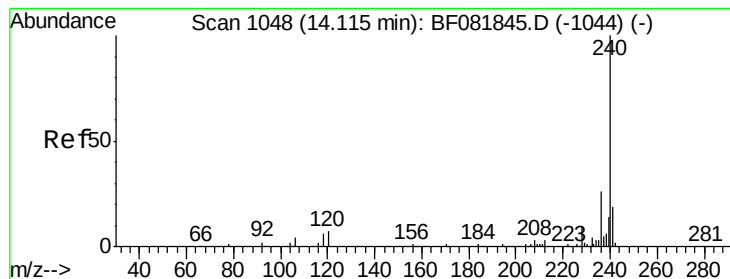
#66
 4-Bromophenyl-phenylether
 Concen: 4.25 ng
 RT: 10.73 min Scan# 752
 Delta R.T. -0.25 min
 Lab File: BF081928.D
 Acq: 1 Oct 2015 4:26

Tgt Ion:248 Resp: 12297
 Ion Ratio Lower Upper
 248 100
 250 205.7 78.5 117.7#
 141 639.0 59.0 88.6#



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: 14.07 min Scan# 1044

Delta R.T. -0.01 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

Instrument :

BNA_F

ClientSampleId :

005-TB-5(4-8)

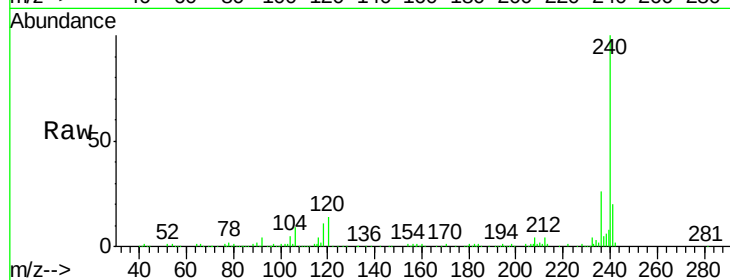
Tgt Ion:240 Resp: 309726

Ion Ratio Lower Upper

240 100

120 13.6 16.2 24.2#

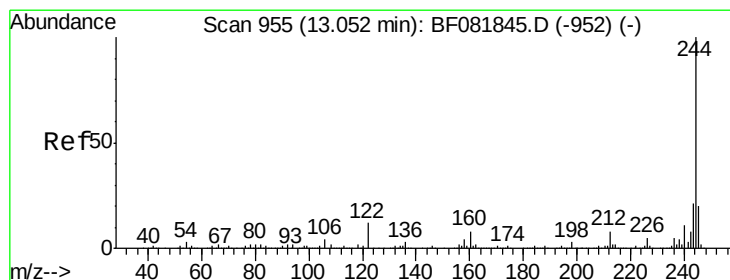
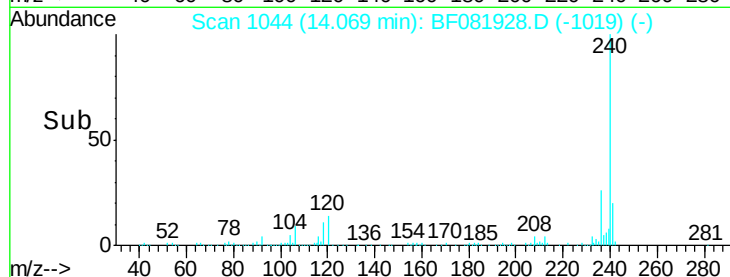
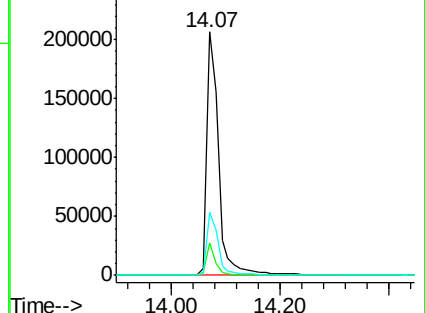
236 25.7 18.4 27.6



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: 74.07 ng

RT: 13.02 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF081928.D

Acq: 1 Oct 2015 4:26

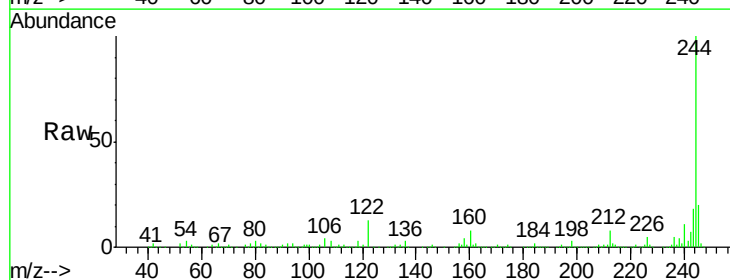
Tgt Ion:244 Resp: 735954

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

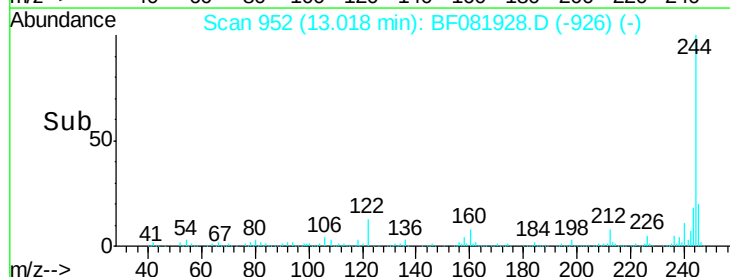
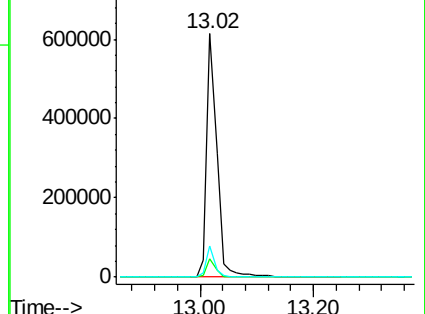
122 12.5 17.4 26.2#

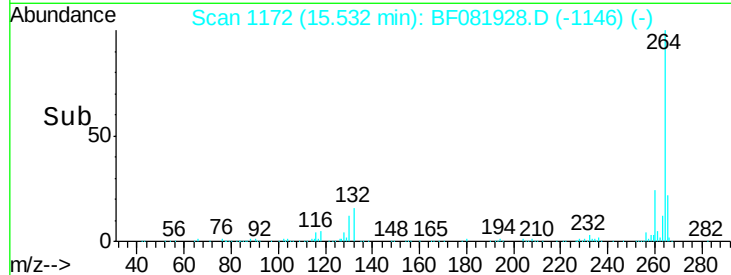
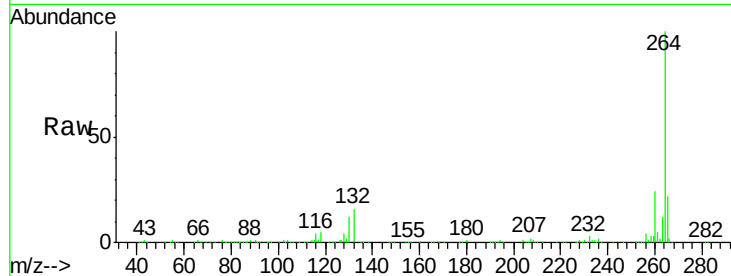
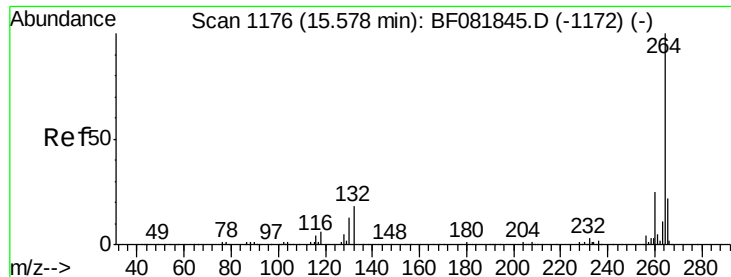


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.53 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF081928.D
Acq: 1 Oct 2015 4:26

Instrument :
BNA_F
ClientSampleId :
005-TB-5(4-8)

Tgt Ion:	264	Resp:	298503
Ion Ratio	Lower	Upper	
264	100		
260	24.1	16.7	25.1
265	21.9	17.2	25.8

