

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063016\
 Data File : BF088553.D
 Acq On : 1 Jul 2016 2:46
 Operator : UM/SJ
 Sample : H3630-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01E-1224

Quant Time: Jul 01 05:32:50 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 01 01:58:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	149358	20.00	ng	0.01
21) Naphthalene-d8	8.10	136	434097	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	202751	20.00	ng	0.01
63) Phenanthrene-d10	11.32	188	347545	20.00	ng	0.00
75) Chrysene-d12	13.97	240	227654	20.00	ng	0.01
86) Perylene-d12	15.39	264	218015	20.00	ng	0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1124925	112.88	ng	0.01
7) Phenol-d6	6.46	99	1517540	117.85	ng	0.01
23) Nitrobenzene-d5	7.38	82	868379	104.83	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	192759	102.38	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1049235	81.74	ng	0.01
78) Terphenyl-d14	12.93	244	844182	82.59	ng	0.01

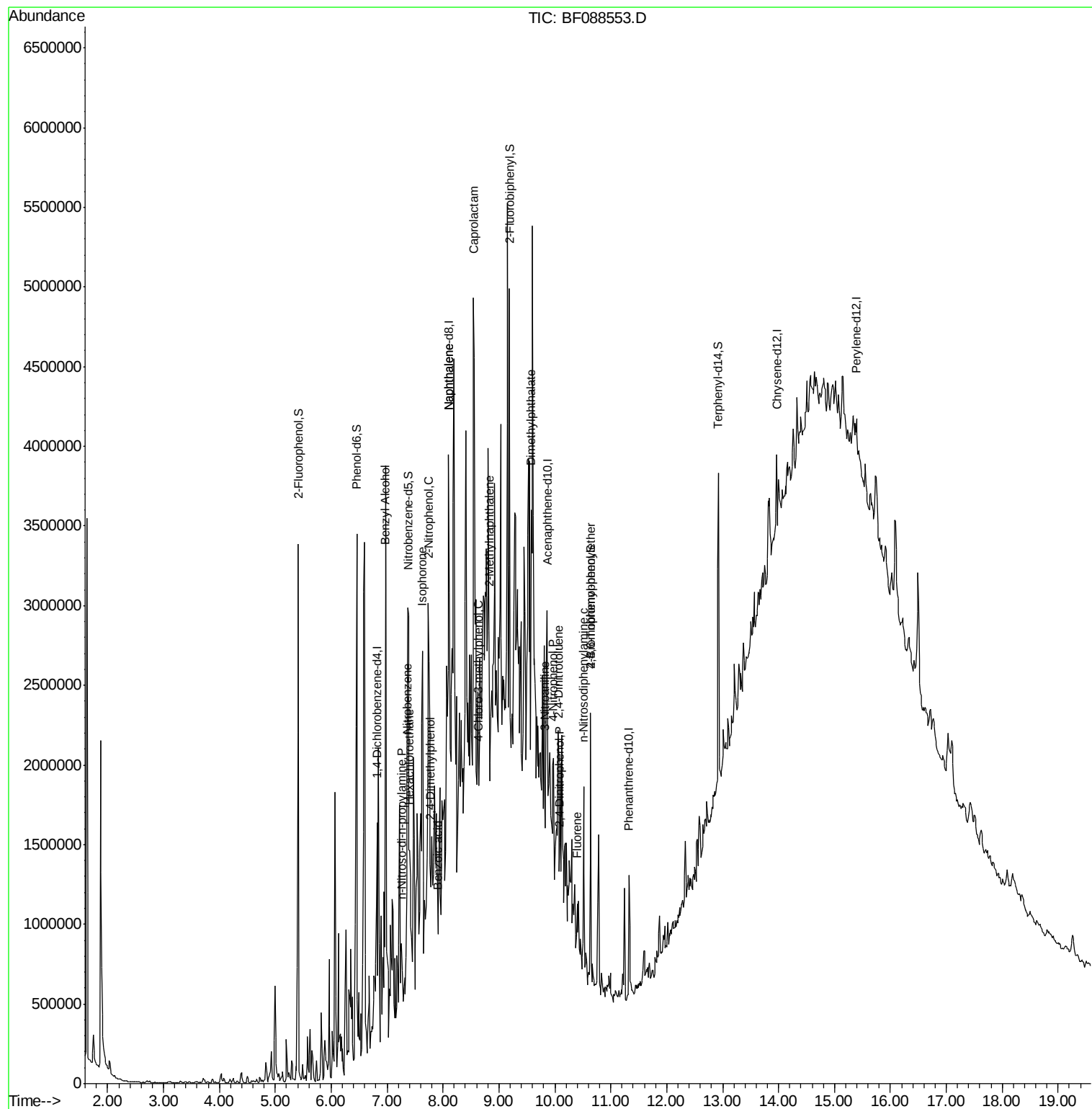
Target Compounds						Qvalue
15) Benzyl Alcohol	6.97	79	27653	2.92	ng	# 47
18) Hexachloroethane	7.39	117	116026	25.64	ng	# 5
19) n-Nitroso-di-n-propylamine	7.26	70	32684	3.78	ng	# 60
24) Nitrobenzene	7.36	77	49005	5.87	ng	# 59
25) Isophorone	7.63	82	117474	7.66	ng	# 1
26) 2-Nitrophenol	7.74	139	8158	2.38	ng	# 1
27) 2,4-Dimethylphenol	7.77	122	16693	2.34	ng	# 15
31) Naphthalene	8.10	128	46923	2.19	ng	# 1
32) Benzoic acid	7.91	122	10920	2.11	ng	# 7
35) Caprolactam	8.55	113	165599	84.58	ng	# 37
36) 4-Chloro-3-methylphenol	8.64	107	22797	3.34	ng	# 23
37) 2-Methylnaphthalene	8.82	142	152879	11.09	ng	# 92
49) Dimethylphthalate	9.58	163	219156	15.17	ng	# 93
52) 3-Nitroaniline	9.82	138	9479	2.33	ng	# 36
53) 2,4-Dinitrophenol	10.08	184	3244	2.29	ng	# 1
55) 4-Nitrophenol	9.96	139	20884	6.75	ng	# 36
56) 2,4-Dinitrotoluene	10.07	165	17157	4.10	ng	# 64
57) Fluorene	10.40	166	35483	2.74	ng	# 88
65) n-Nitrosodiphenylamine	10.51	169	51076	4.34	ng	# 45
66) 4-Bromophenyl-phenylether	10.64	248	14036	4.01	ng	# 1

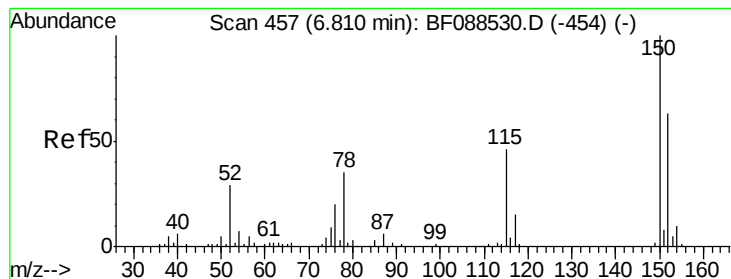
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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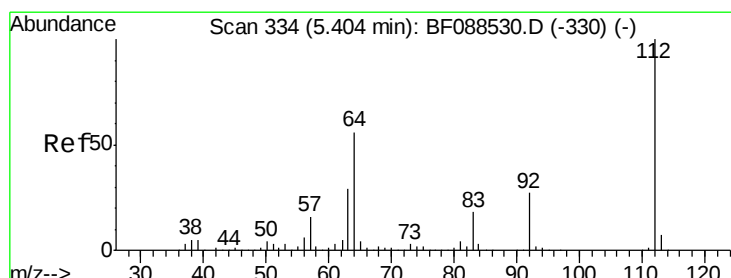
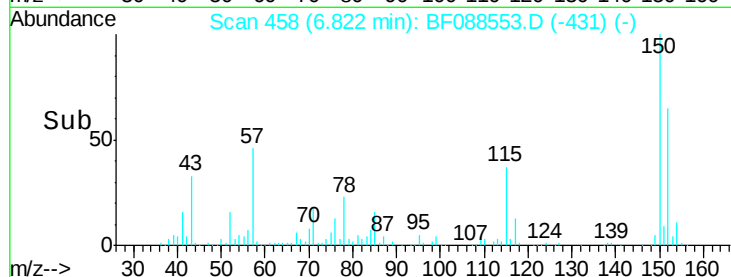
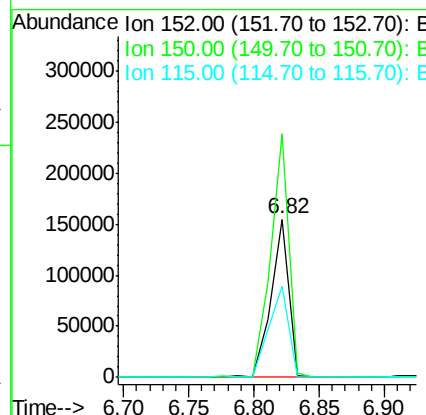
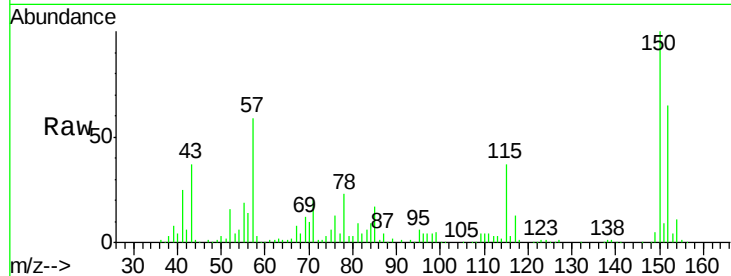




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

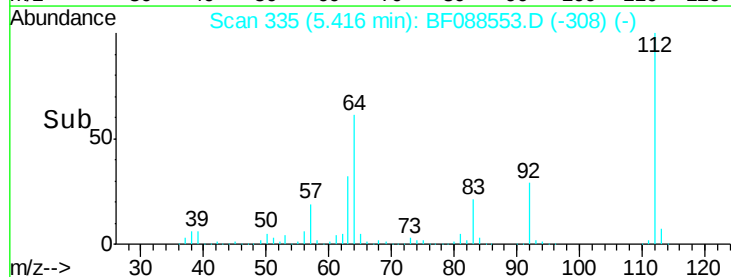
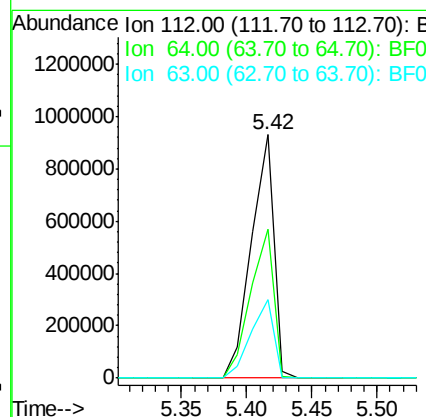
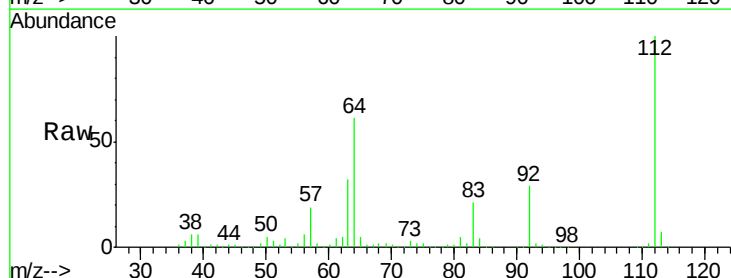
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01E-1224

Tgt Ion:152 Resp: 149358
 Ion Ratio Lower Upper
 152 100
 150 153.8 123.8 185.6
 115 57.4 39.6 59.4



#5
 2-Fluorophenol
 Concen: 112.88 ng
 RT: 5.42 min Scan# 335
 Delta R.T. 0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Tgt Ion:112 Resp: 1124925
 Ion Ratio Lower Upper
 112 100
 64 61.0 42.2 63.2
 63 32.5 21.8 32.8





#7

Phenol-d6

Concen: 117.85 ng

RT: 6.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: BF088553.D

Acq: 1 Jul 2016 2:46

Instrument :

BNA_F

ClientSampleId :

B1409-TP01E-1224

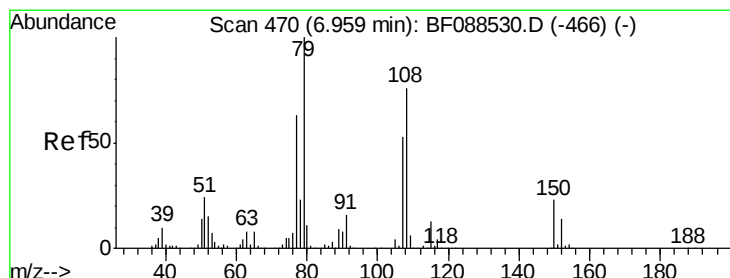
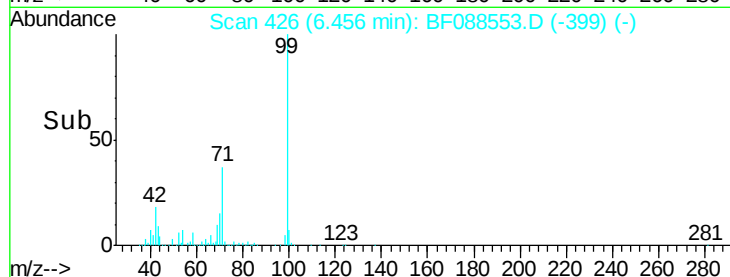
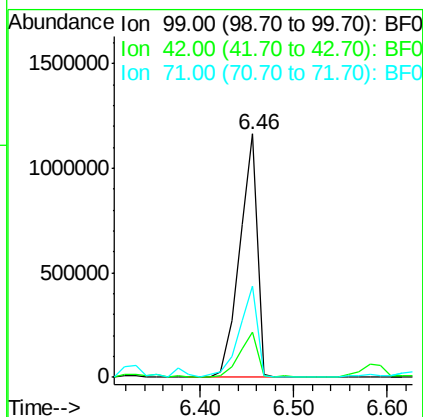
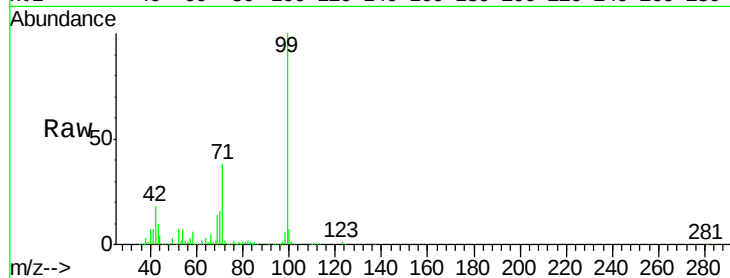
Tgt Ion: 99 Resp: 1517540

Ion Ratio Lower Upper

99 100

42 18.5 12.2 18.2#

71 37.6 23.4 35.0#



#15

Benzyl Alcohol

Concen: 2.92 ng

RT: 6.97 min Scan# 471

Delta R.T. 0.01 min

Lab File: BF088553.D

Acq: 1 Jul 2016 2:46

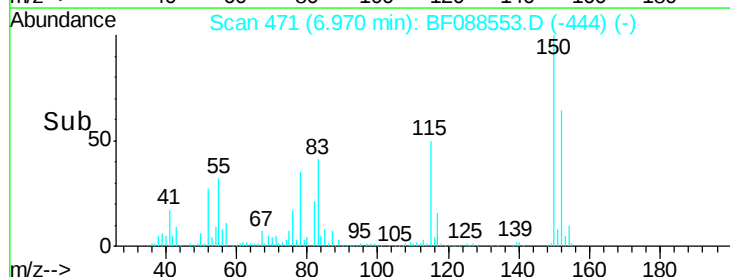
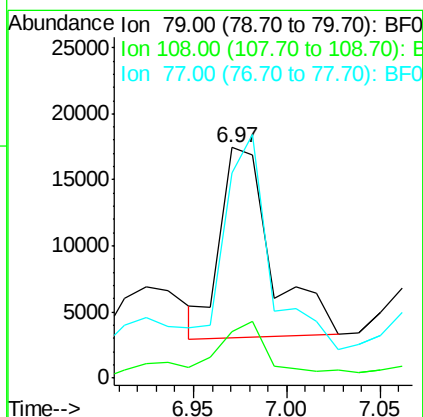
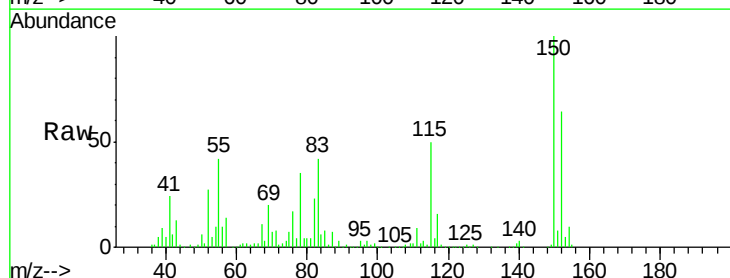
Tgt Ion: 79 Resp: 27653

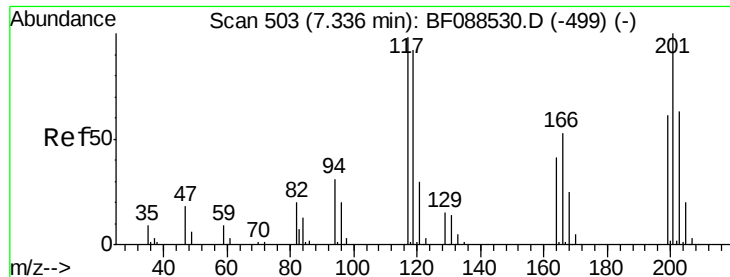
Ion Ratio Lower Upper

79 100

108 20.3 65.0 97.6#

77 89.1 50.3 75.5#

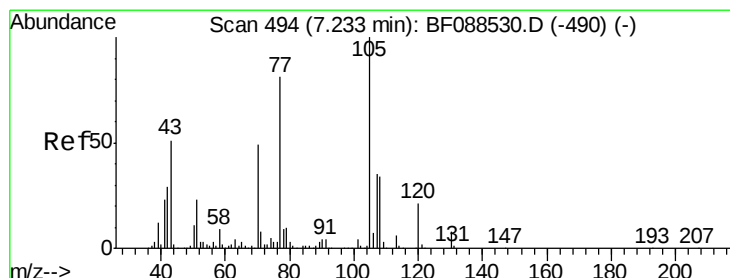
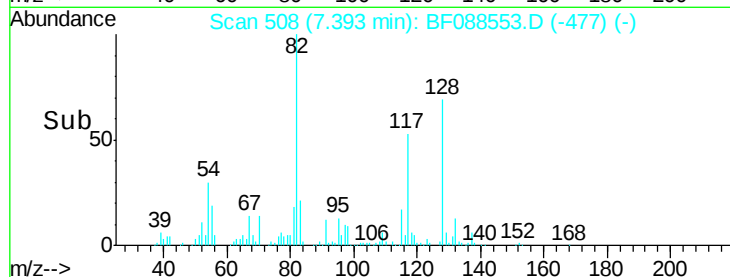
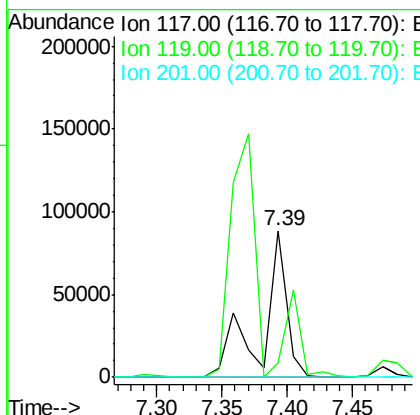
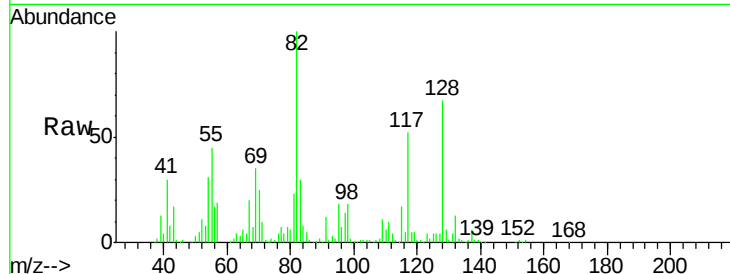




#18
Hexachloroethane
Concen: 25.64 ng
RT: 7.39 min Scan# 508
Delta R.T. 0.06 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

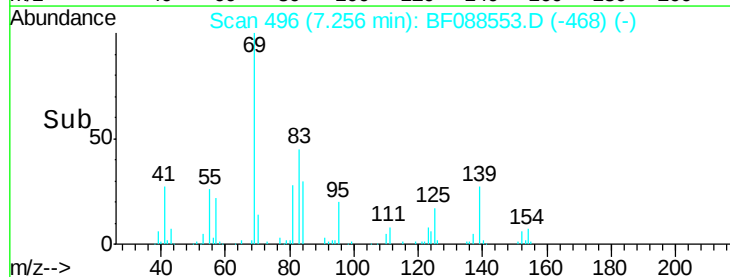
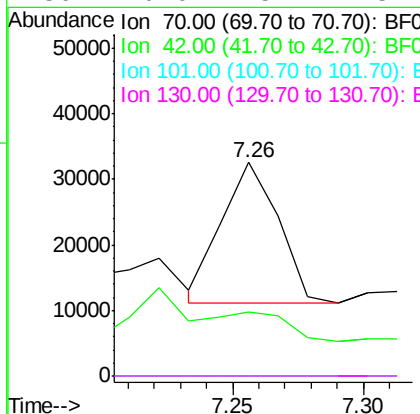
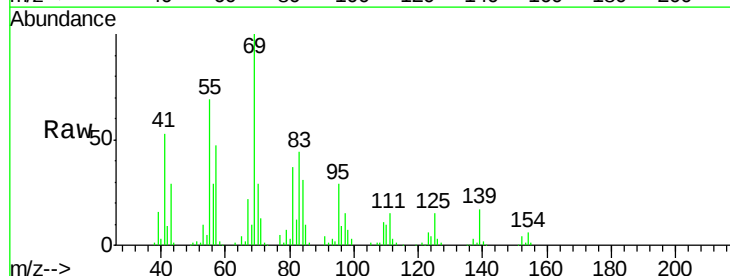
Instrument :
BNA_F
ClientSampleId :
B1409-TP01E-1224

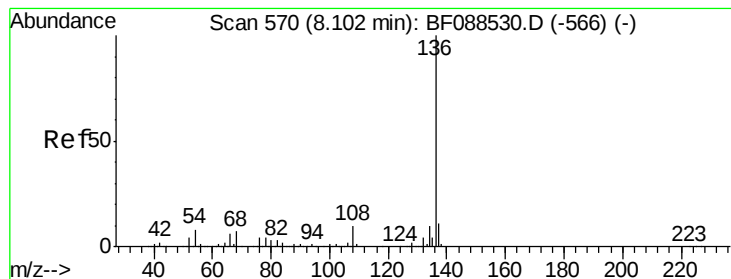
Tgt Ion: 117 Resp: 116026
Ion Ratio Lower Upper
117 100
119 9.7 77.4 116.2#
201 0.0 80.4 120.6#



#19
n-Nitroso-di-n-propylamine
Concen: 3.78 ng
RT: 7.26 min Scan# 496
Delta R.T. 0.02 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Tgt Ion: 70 Resp: 32684
Ion Ratio Lower Upper
70 100
42 30.0 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 570

Delta R.T. 0.00 min

Lab File: BF088553.D

Acq: 1 Jul 2016 2:46

Instrument :

BNA_F

ClientSampleId :

B1409-TP01E-1224

Tgt Ion: 136 Resp: 434097

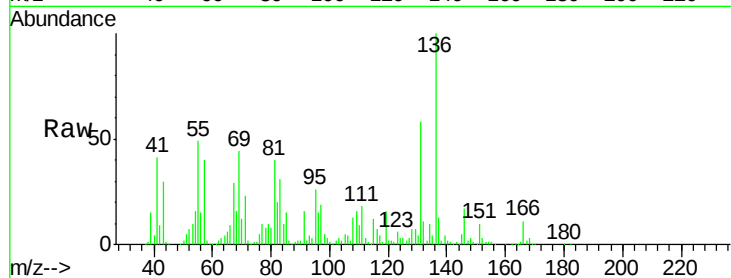
Ion Ratio Lower Upper

136 100

137 13.4 9.1 13.7

54 15.6 6.6 10.0#

68 15.8 5.1 7.7#

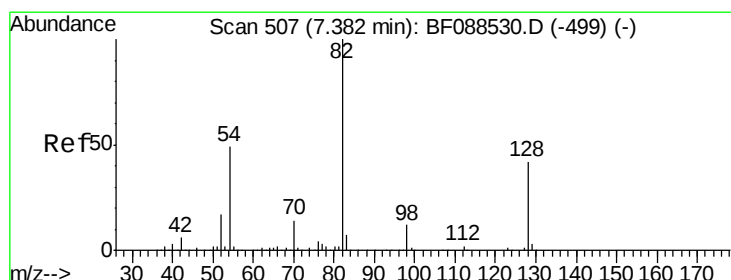
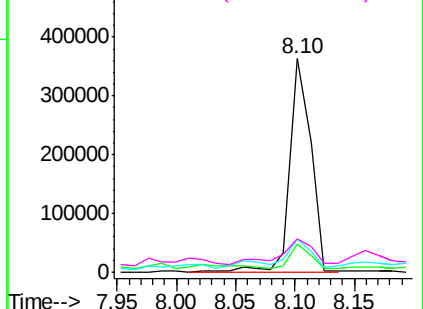
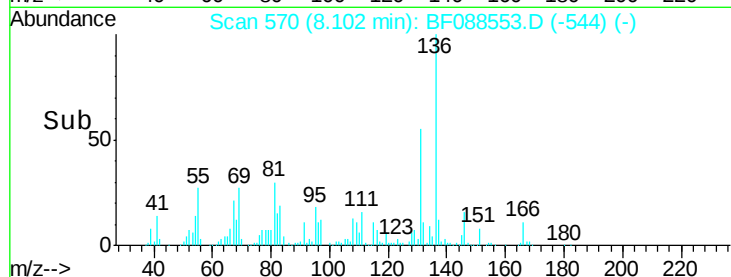


Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.83 ng

RT: 7.38 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF088553.D

Acq: 1 Jul 2016 2:46

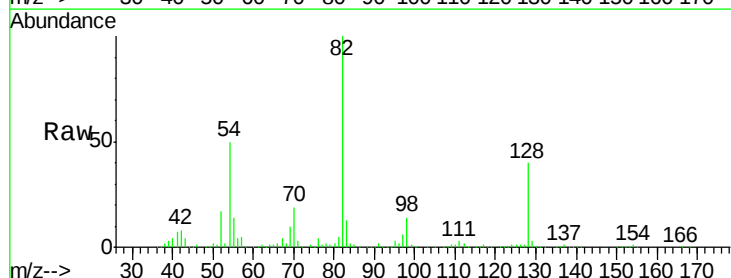
Tgt Ion: 82 Resp: 868379

Ion Ratio Lower Upper

82 100

128 40.1 35.9 53.9

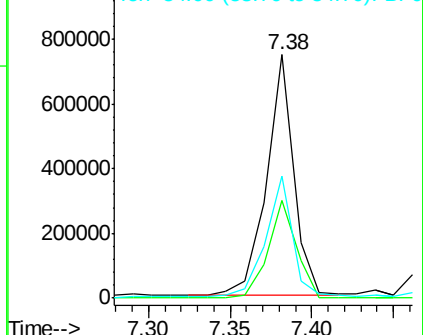
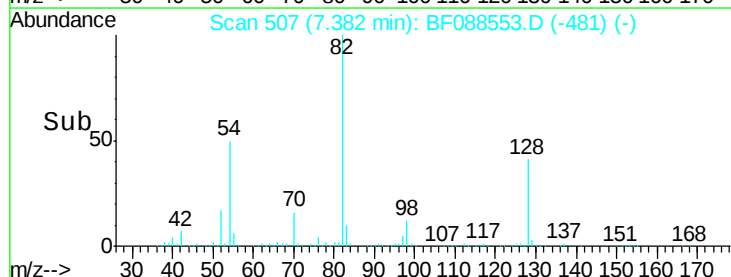
54 50.3 40.9 61.3

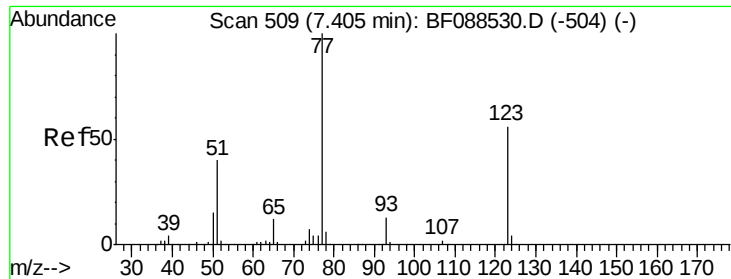


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

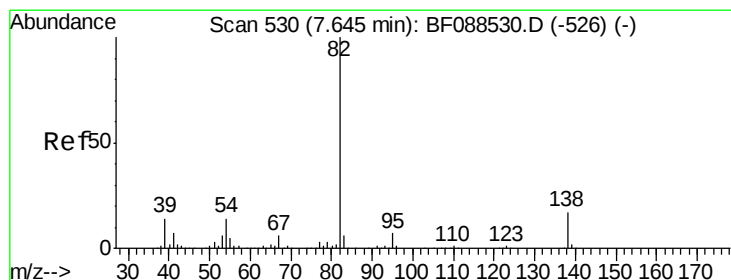
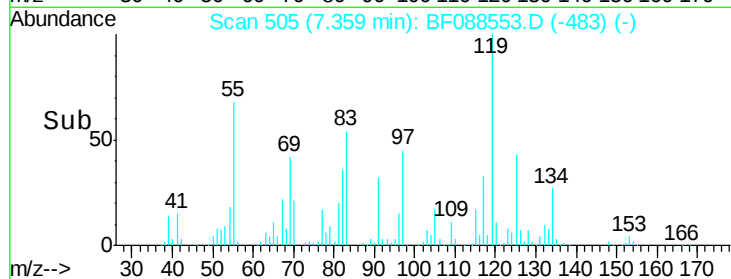
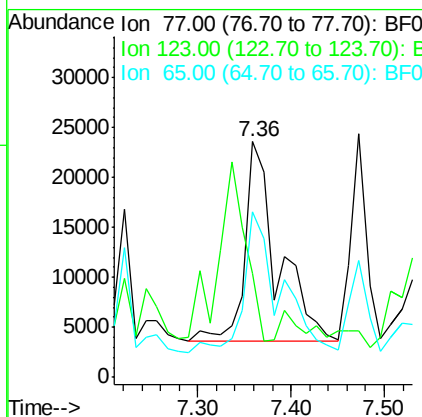
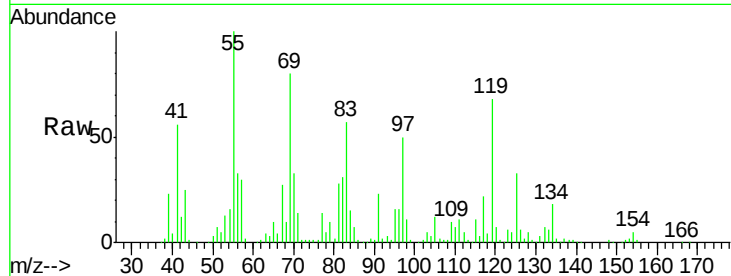




#24
 Nitrobenzene
 Concen: 5.87 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.05 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

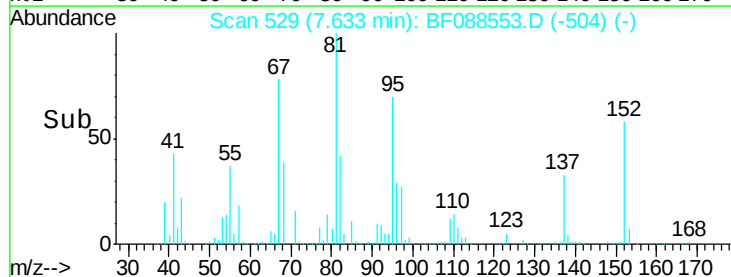
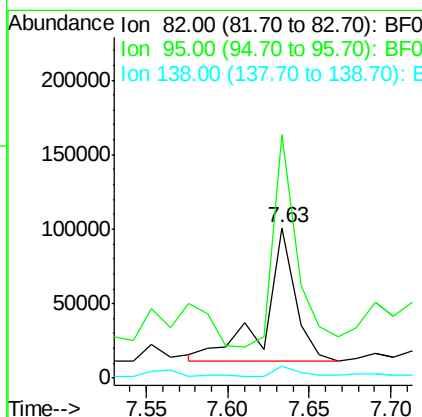
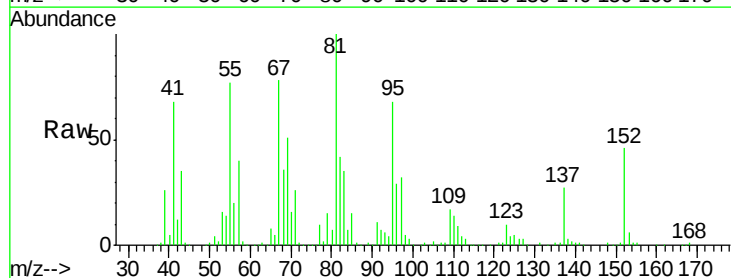
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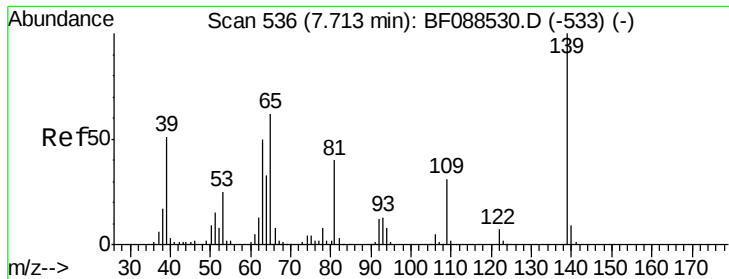
Tgt Ion: 77 Resp: 49005
 Ion Ratio Lower Upper
 77 100
 123 43.9 45.0 67.4#
 65 70.4 10.2 15.2#



#25
 Isophorone
 Concen: 7.66 ng
 RT: 7.63 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Tgt Ion: 82 Resp: 117474
 Ion Ratio Lower Upper
 82 100
 95 162.0 5.4 8.2#
 138 7.9 14.6 21.8#

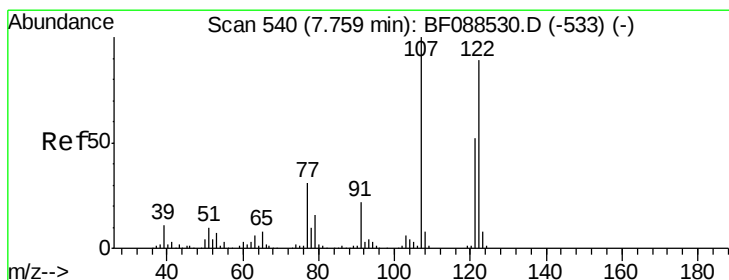
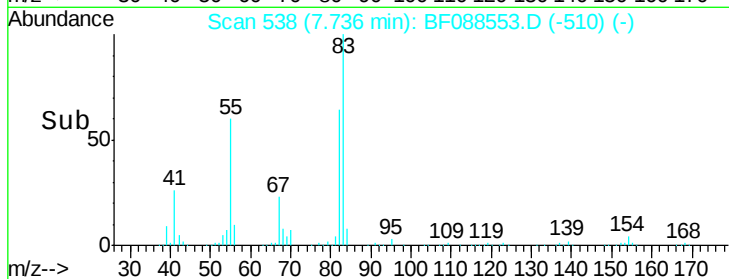
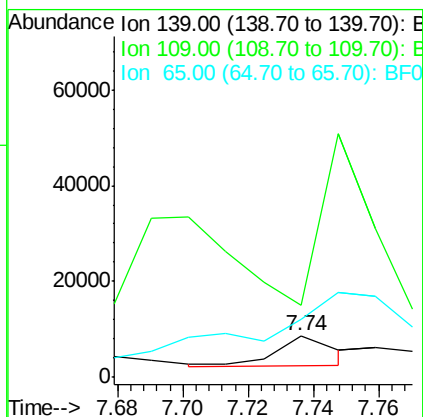
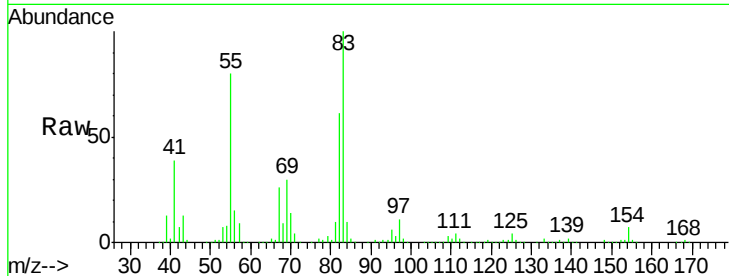




#26
2-Nitrophenol
Concen: 2.38 ng
RT: 7.74 min Scan# 538
Delta R.T. 0.02 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

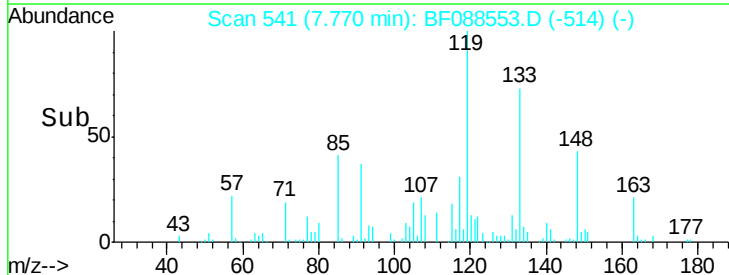
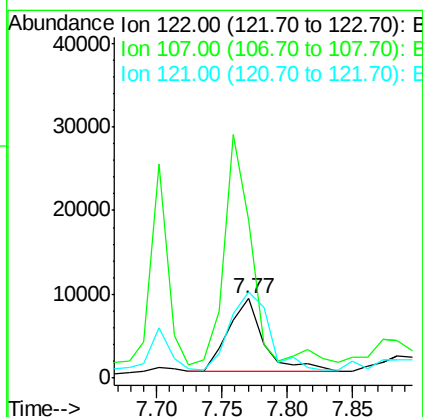
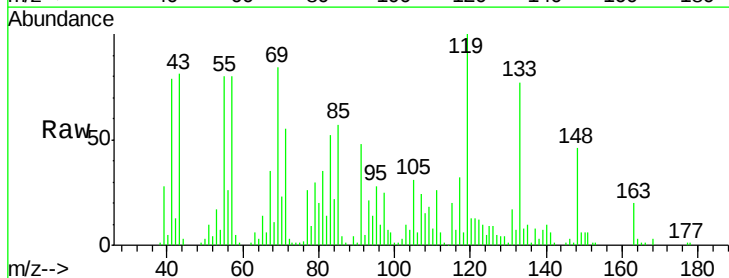
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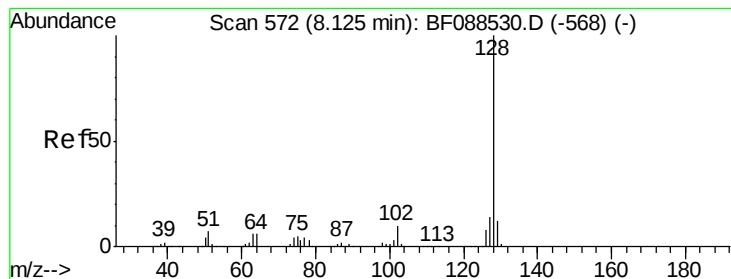
Tgt Ion:139 Resp: 8158
Ion Ratio Lower Upper
139 100
109 171.6 23.0 34.4#
65 139.9 45.8 68.8#



#27
2,4-Dimethylphenol
Concen: 2.34 ng
RT: 7.77 min Scan# 541
Delta R.T. 0.01 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Tgt Ion:122 Resp: 16693
Ion Ratio Lower Upper
122 100
107 198.7 82.4 123.6#
121 109.6 46.3 69.5#





#31

Naphthalene

Concen: 2.19 ng

RT: 8.10 min Scan# 570

Delta R.T. -0.02 min

Lab File: BF088553.D

Acq: 1 Jul 2016 2:46

Instrument :

BNA_F

ClientSampleId :

B1409-TP01E-1224

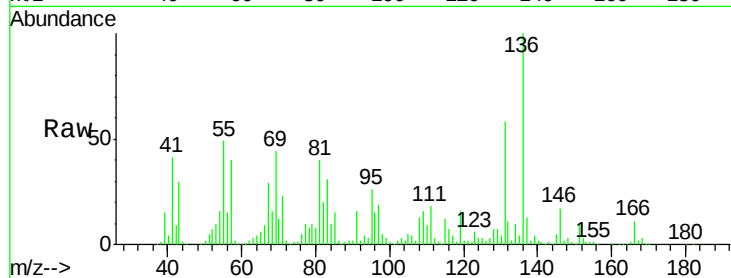
Tgt Ion:128 Resp: 46923

Ion Ratio Lower Upper

128 100

129 104.9 9.4 14.2#

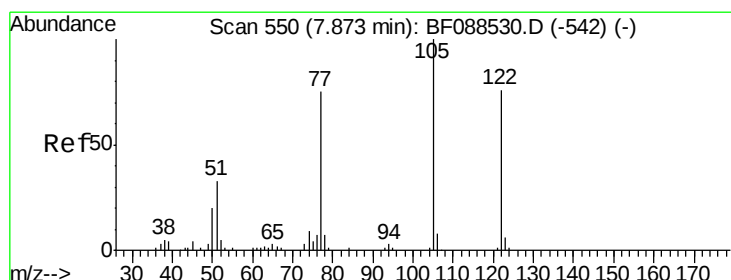
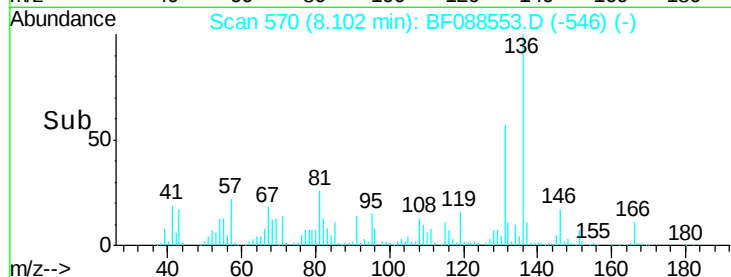
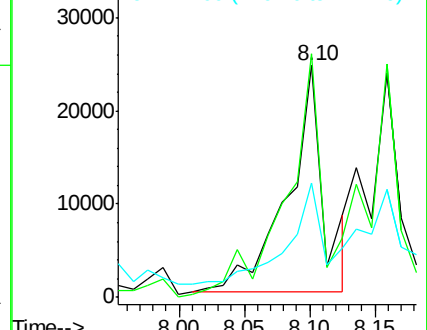
127 49.5 10.9 16.3#



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



#32

Benzoic acid

Concen: 2.11 ng

RT: 7.91 min Scan# 553

Delta R.T. 0.02 min

Lab File: BF088553.D

Acq: 1 Jul 2016 2:46

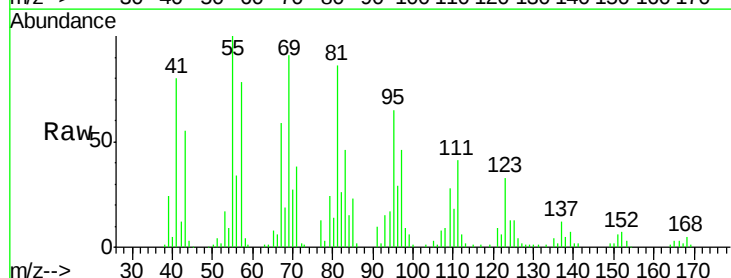
Tgt Ion:122 Resp: 10920

Ion Ratio Lower Upper

122 100

105 45.8 101.6 141.6#

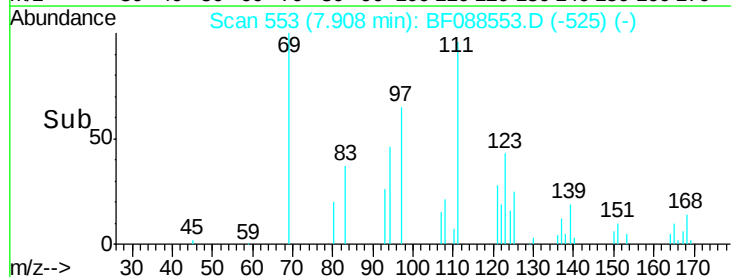
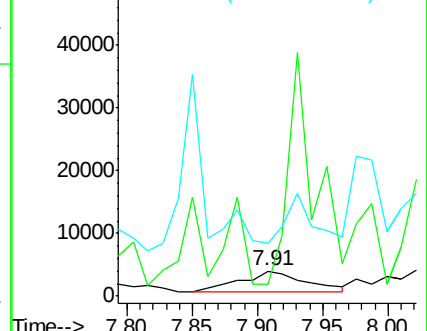
77 210.1 70.6 110.6#

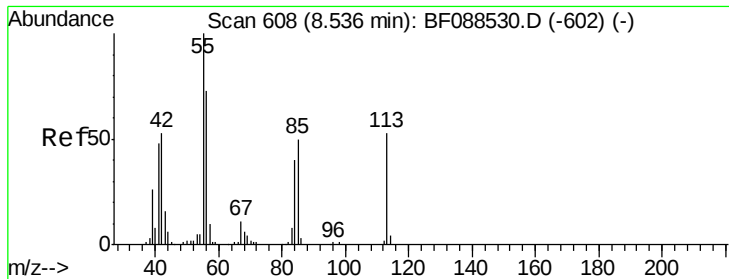


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

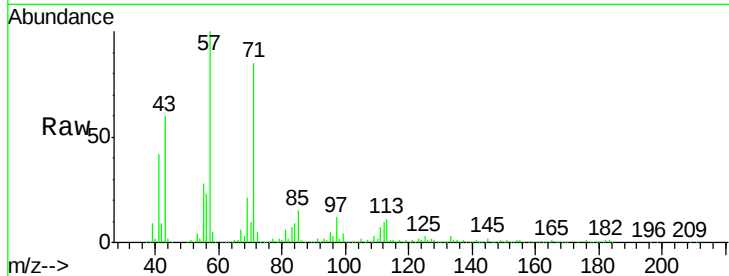




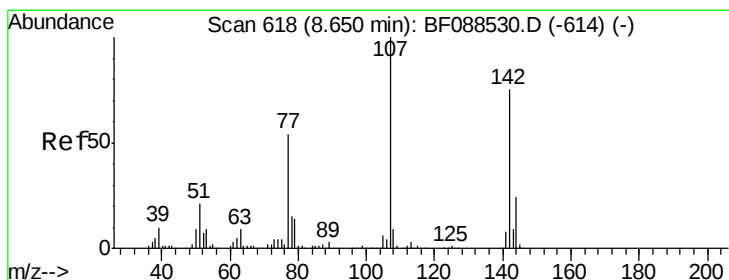
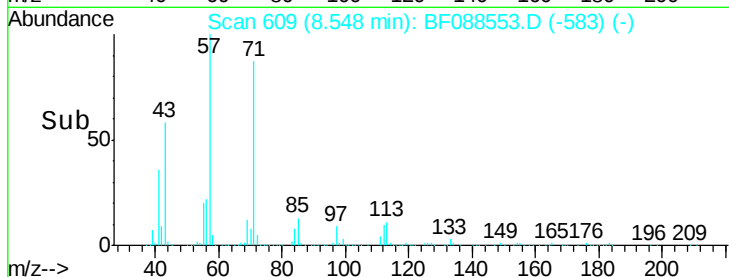
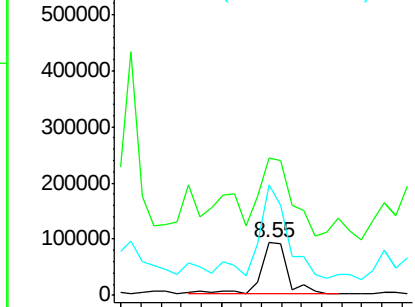
#35
 Caprolactam
 Concen: 84.58 ng
 RT: 8.55 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01E-1224

Tgt Ion:113 Resp: 165599
 Ion Ratio Lower Upper
 113 100
 55 261.3 158.6 198.6#
 56 210.3 110.6 150.6#

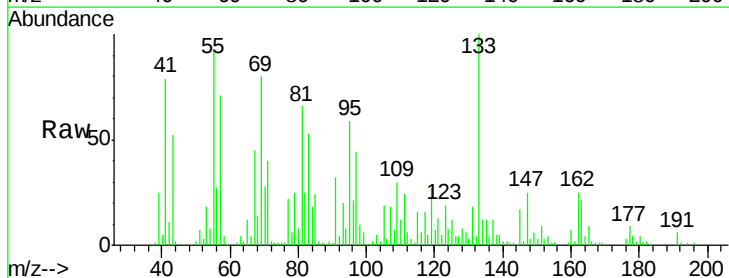


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

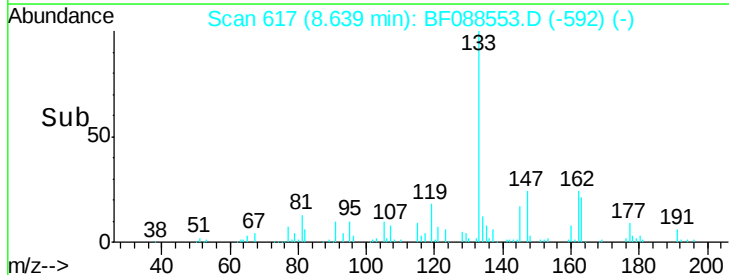
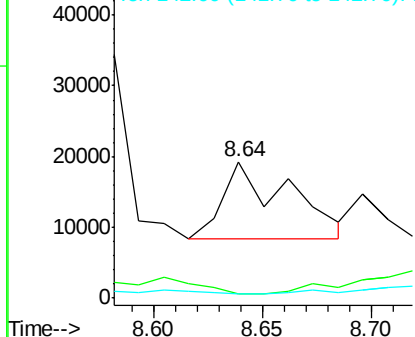


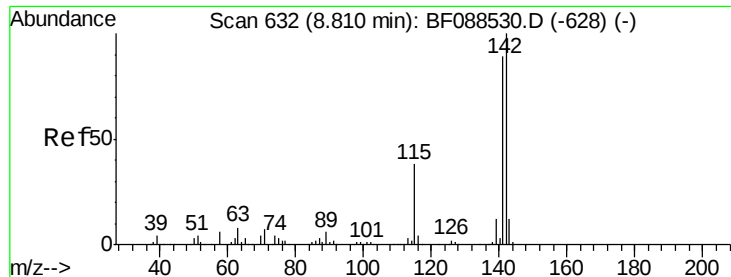
#36
 4-Chloro-3-methylphenol
 Concen: 3.34 ng
 RT: 8.64 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Tgt Ion:107 Resp: 22797
 Ion Ratio Lower Upper
 107 100
 144 2.7 20.8 31.2#
 142 3.2 63.4 95.2#



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

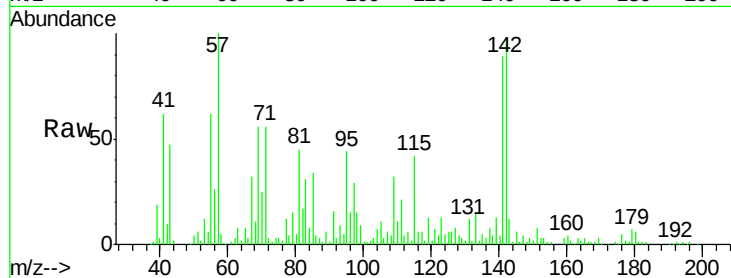




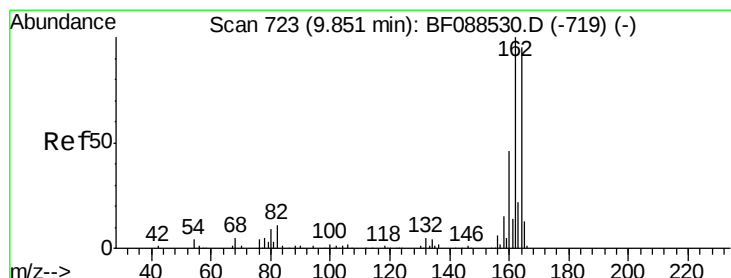
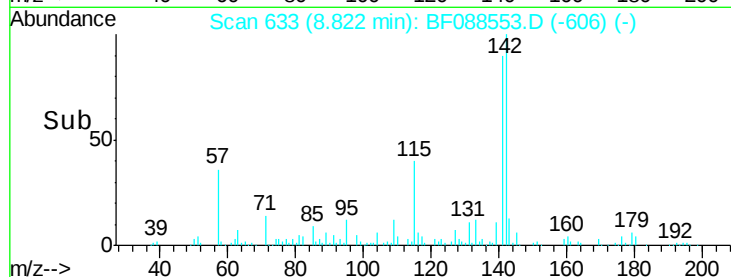
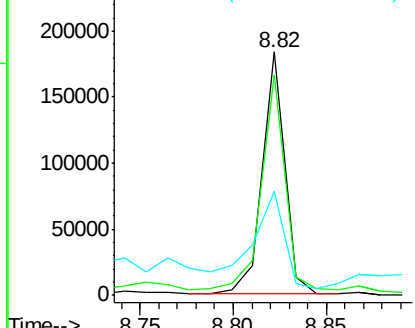
#37
 2-Methylnaphthalene
 Concen: 11.09 ng
 RT: 8.82 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01E-1224

Tgt Ion:142 Resp: 152879
 Ion Ratio Lower Upper
 142 100
 141 90.8 71.0 106.6
 115 42.9 22.6 33.8#

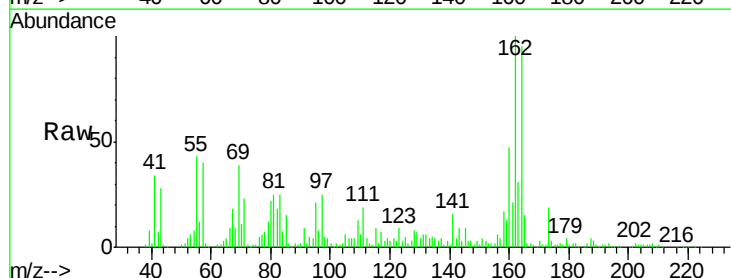


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

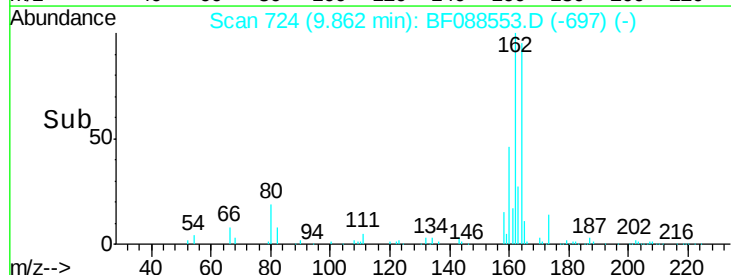
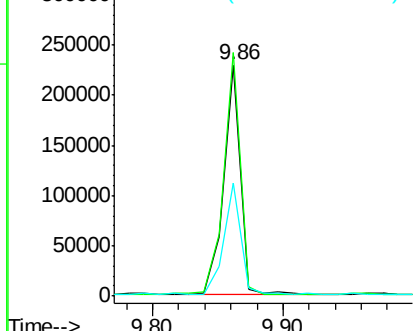


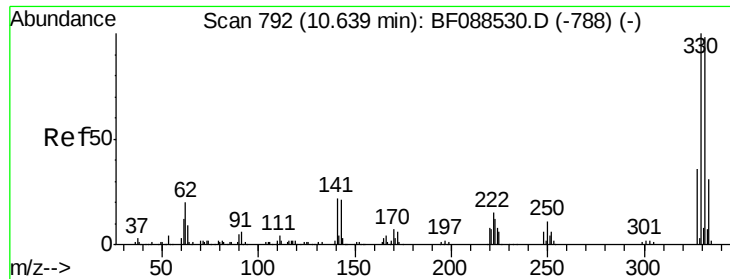
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 724
 Delta R.T. 0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Tgt Ion:164 Resp: 202751
 Ion Ratio Lower Upper
 164 100
 162 105.3 85.4 128.2
 160 49.1 39.5 59.3



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

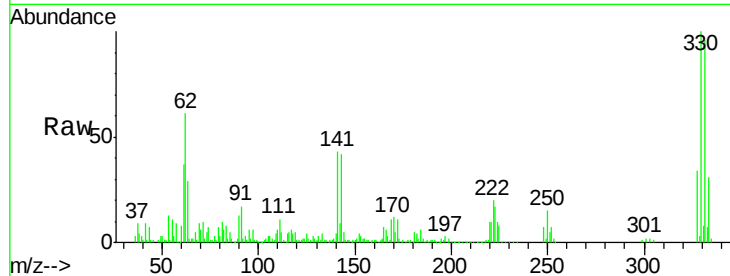




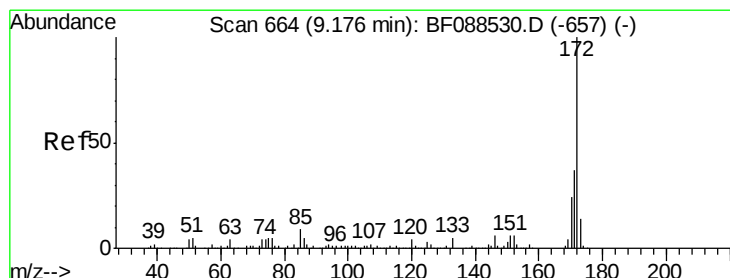
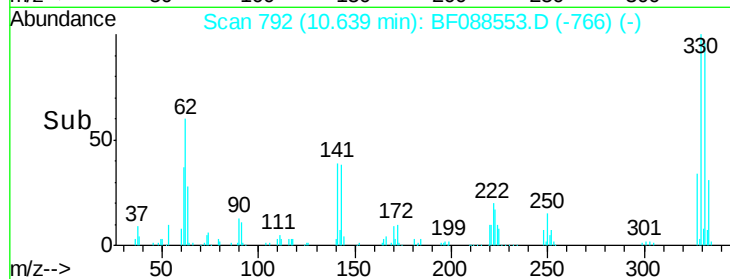
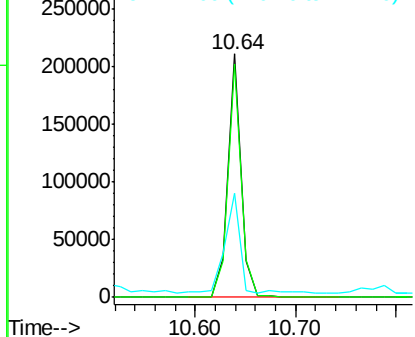
#41
 2,4,6-Tribromophenol
 Concen: 102.38 ng
 RT: 10.64 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01E-1224

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	43.9	0.0	0.0#

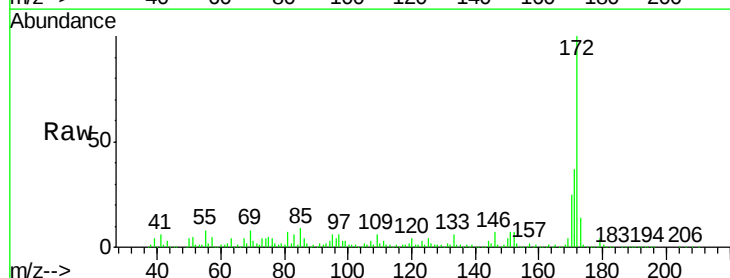


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

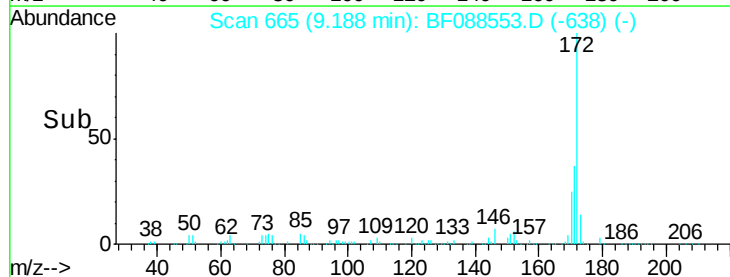
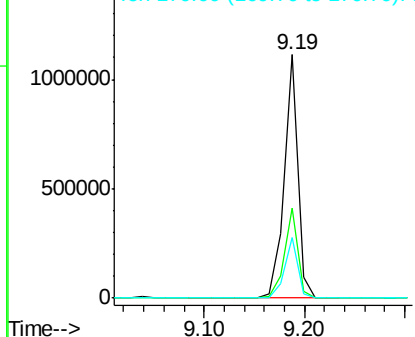


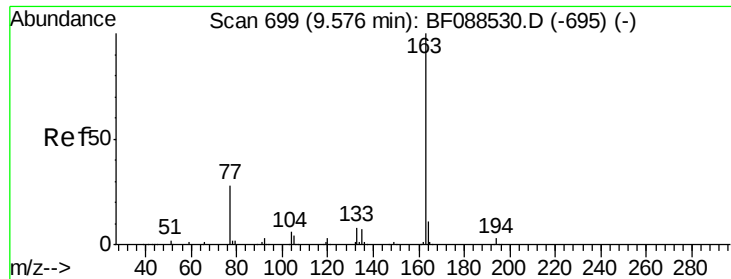
#44
 2-Fluorobiphenyl
 Concen: 81.74 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.6	43.0
170	24.7	19.2	28.8



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

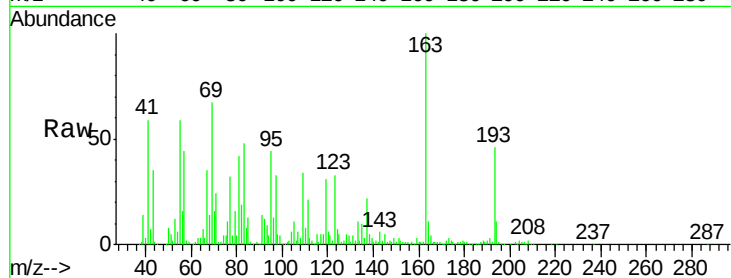




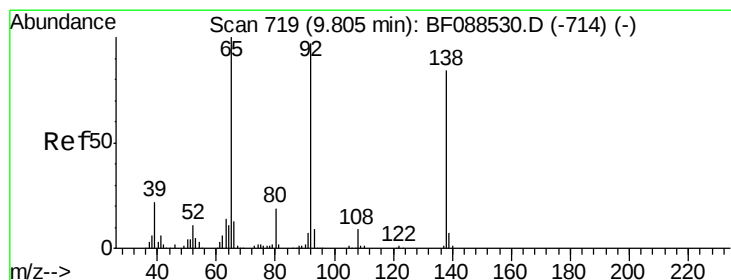
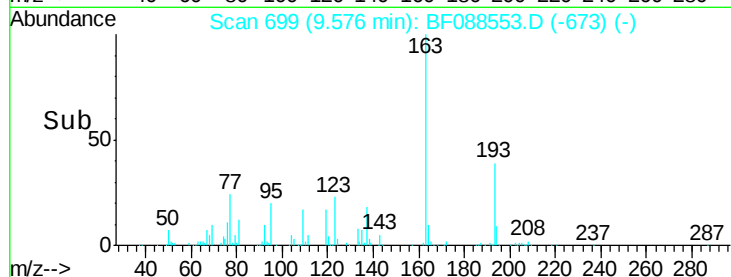
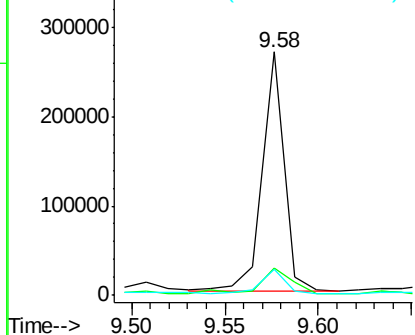
#49
Dimethylphthalate
Concen: 15.17 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.00 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Instrument :
BNA_F
ClientSampleId :
B1409-TP01E-1224

Tgt Ion:163 Resp: 219156
Ion Ratio Lower Upper
163 100
194 11.1 2.8 4.2#
164 10.8 8.3 12.5

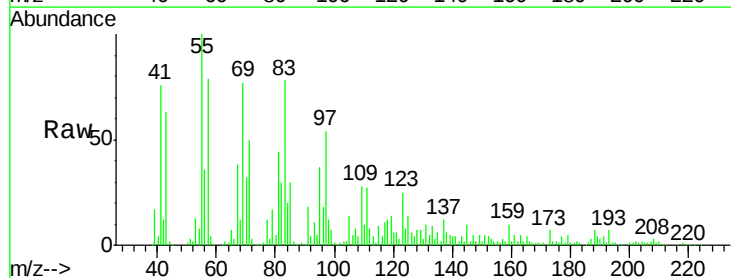


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

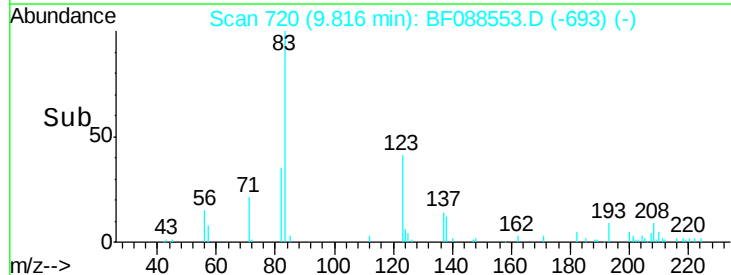
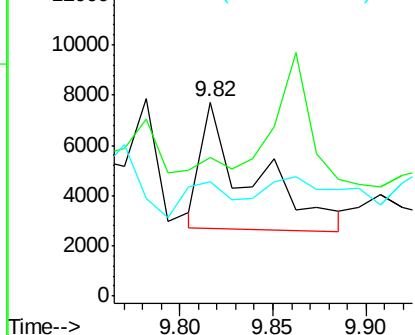


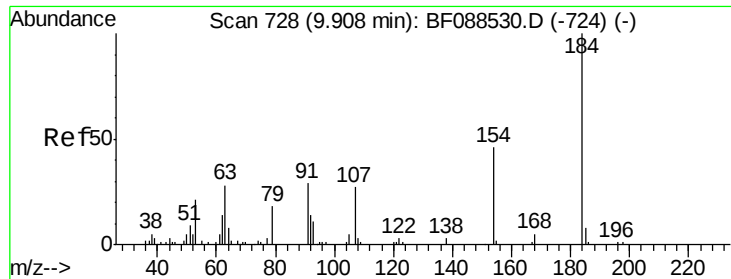
#52
3-Nitroaniline
Concen: 2.33 ng
RT: 9.82 min Scan# 720
Delta R.T. 0.01 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Tgt Ion:138 Resp: 9479
Ion Ratio Lower Upper
138 100
108 71.5 8.5 12.7#
92 58.7 95.7 143.5#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0

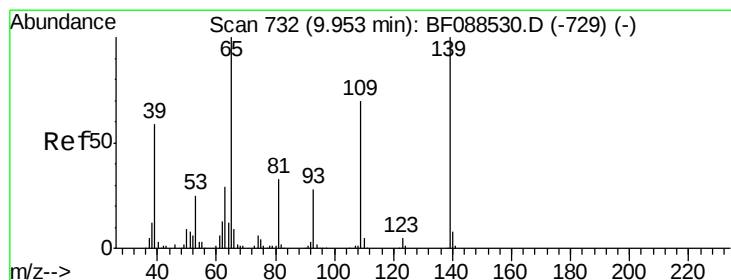
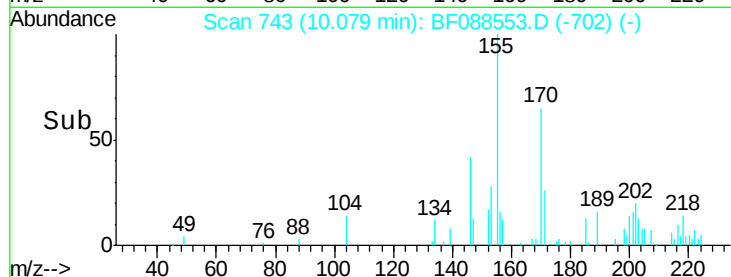
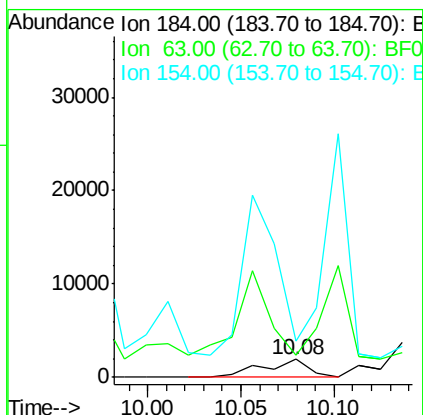
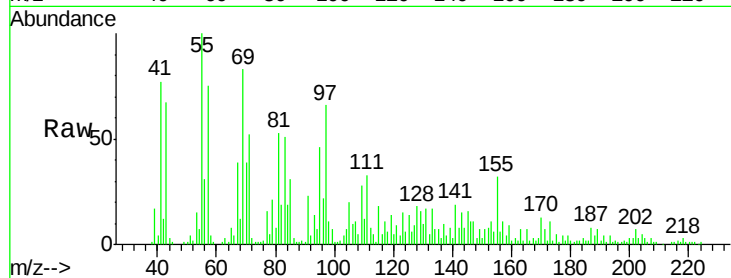




#53
 2,4-Dinitrophenol
 Concen: 2.29 ng
 RT: 10.08 min Scan# 743
 Delta R.T. 0.17 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

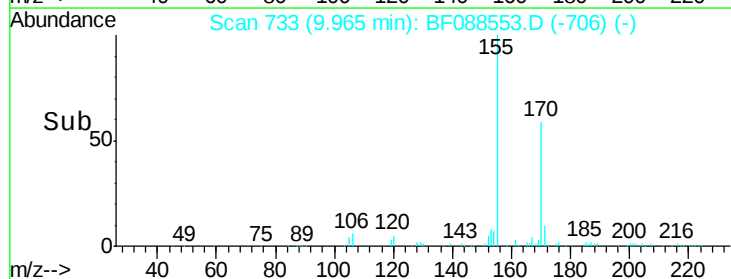
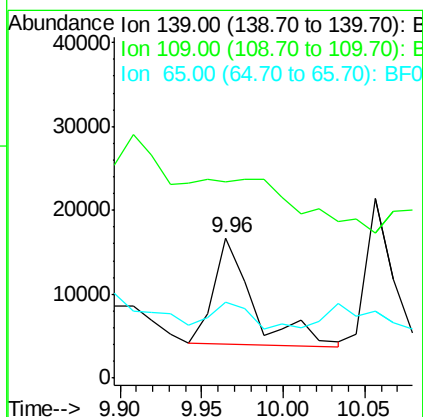
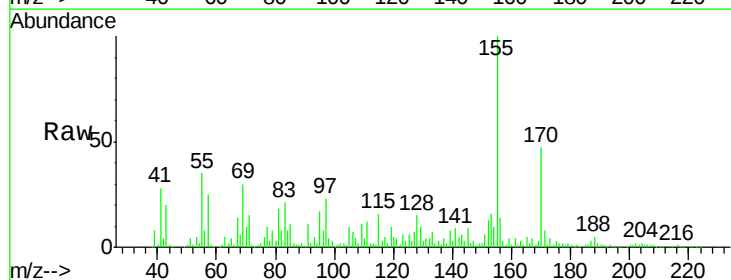
Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01E-1224

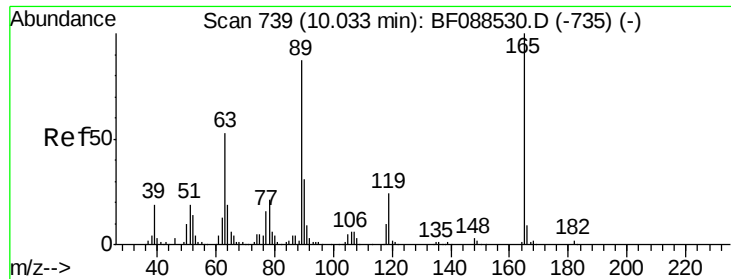
Tgt Ion:184 Resp: 3244
 Ion Ratio Lower Upper
 184 100
 63 121.9 57.6 86.4#
 154 207.6 53.5 80.3#



#55
 4-Nitrophenol
 Concen: 6.75 ng
 RT: 9.96 min Scan# 733
 Delta R.T. 0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Tgt Ion:139 Resp: 20884
 Ion Ratio Lower Upper
 139 100
 109 140.2 48.9 88.9#
 65 54.3 84.9 124.9#

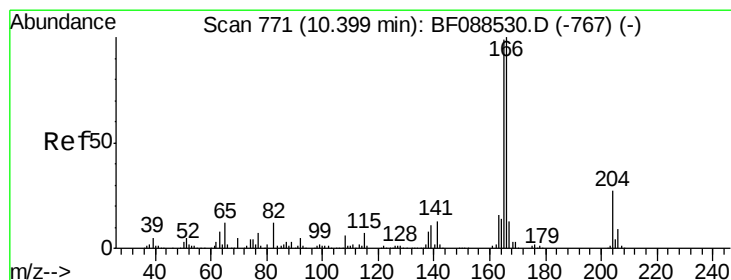
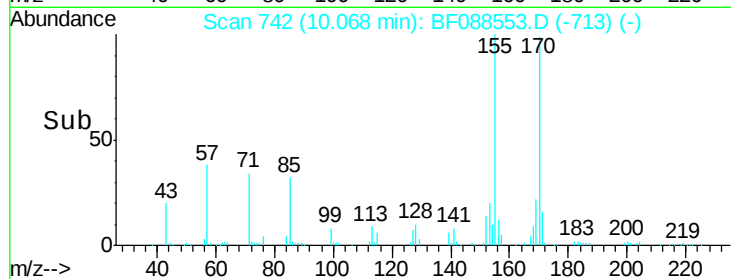
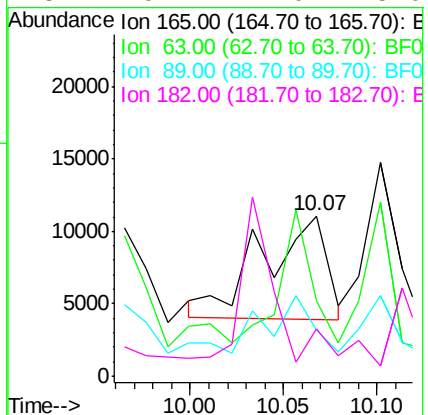
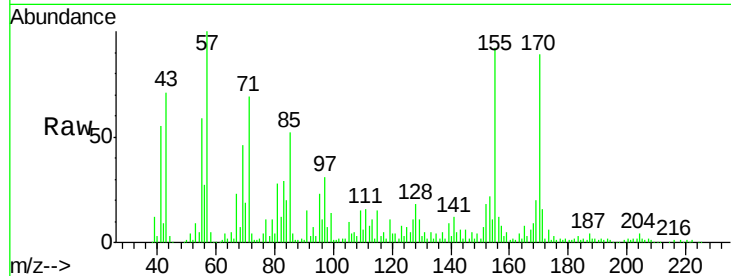




#56
2,4-Dinitrotoluene
Concen: 4.10 ng
RT: 10.07 min Scan# 742
Delta R.T. 0.03 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

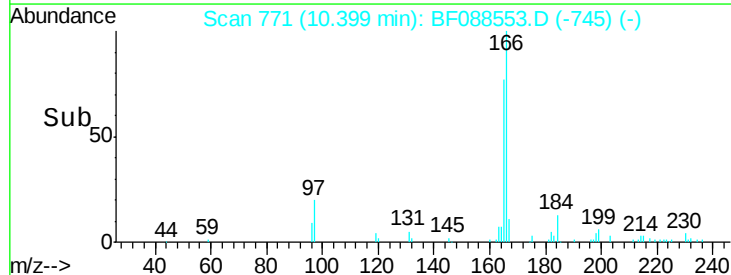
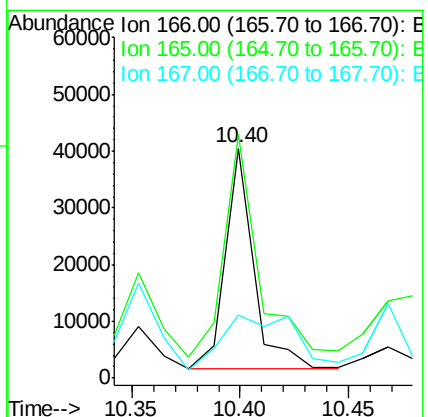
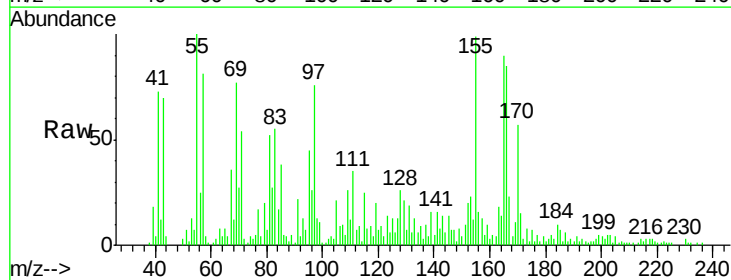
Instrument :
BNA_F
ClientSampleId :
B1409-TP01E-1224

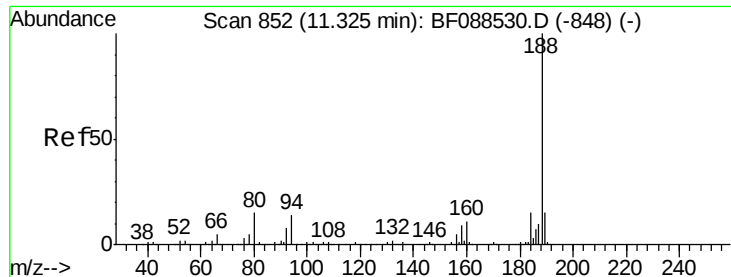
Tgt Ion:165 Resp: 17157
Ion Ratio Lower Upper
165 100
63 47.0 22.0 33.0#
89 28.6 41.1 61.7#
182 29.4 2.0 3.0#



#57
Fluorene
Concen: 2.74 ng
RT: 10.40 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Tgt Ion:166 Resp: 35483
Ion Ratio Lower Upper
166 100
165 105.9 77.8 116.8
167 27.6 11.2 16.8#

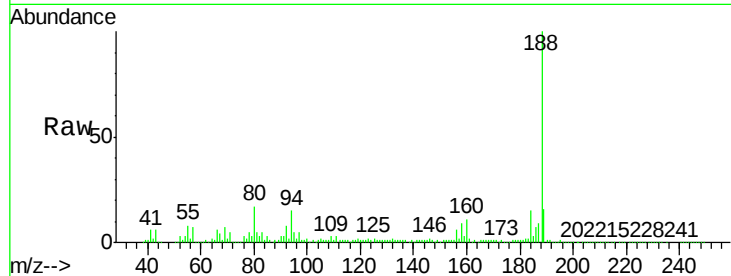




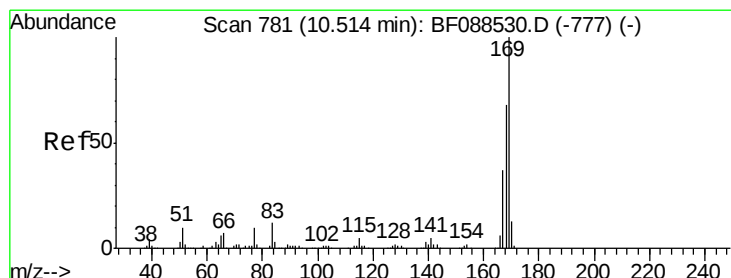
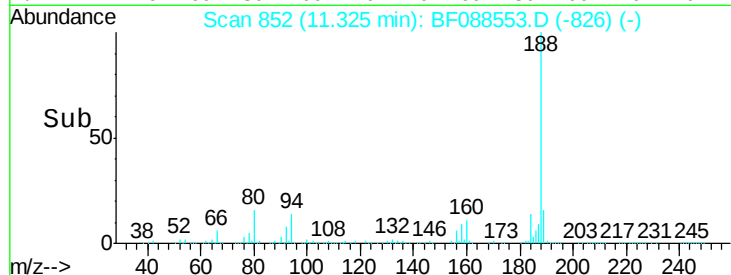
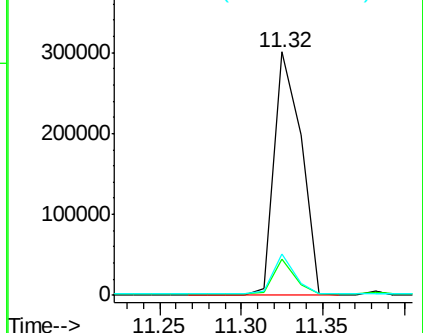
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Instrument :
BNA_F
ClientSampleId :
B1409-TP01E-1224

Tgt Ion:188 Resp: 347545
Ion Ratio Lower Upper
188 100
94 14.8 9.0 13.6#
80 16.9 10.0 15.0#

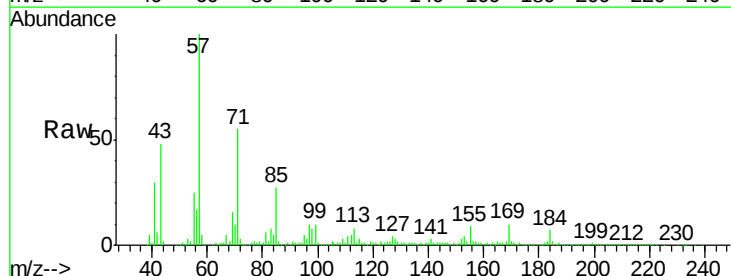


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

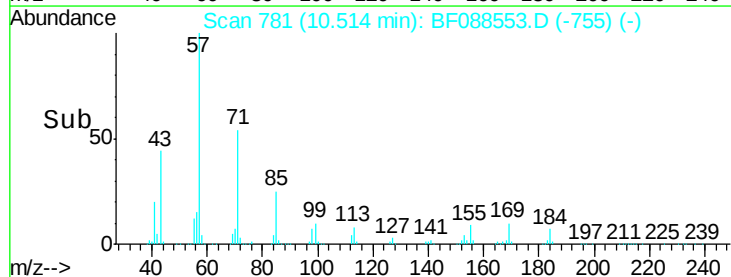
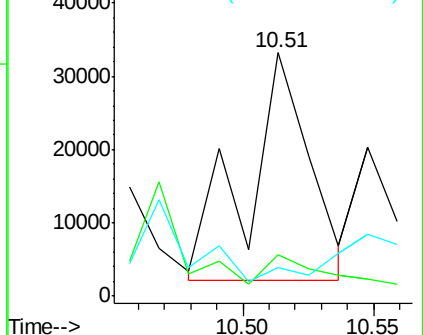


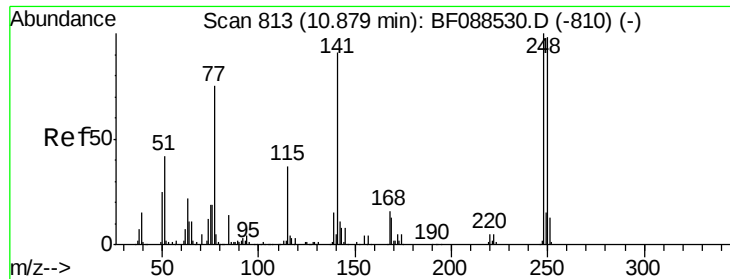
#65
n-Nitrosodiphenylamine
Concen: 4.34 ng
RT: 10.51 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Tgt Ion:169 Resp: 51076
Ion Ratio Lower Upper
169 100
168 17.0 53.4 80.0#
167 11.5 29.4 44.0#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

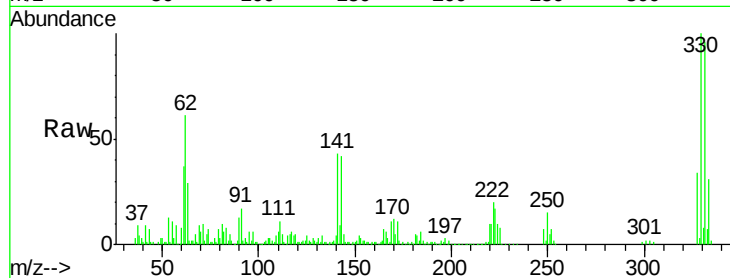




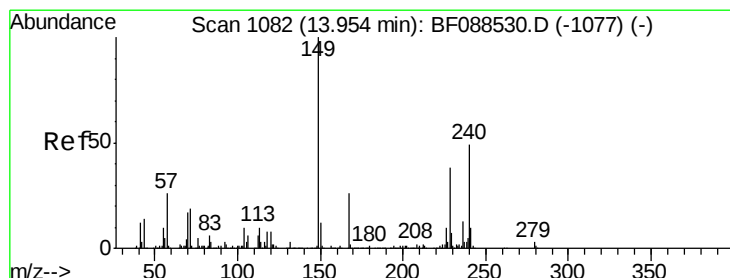
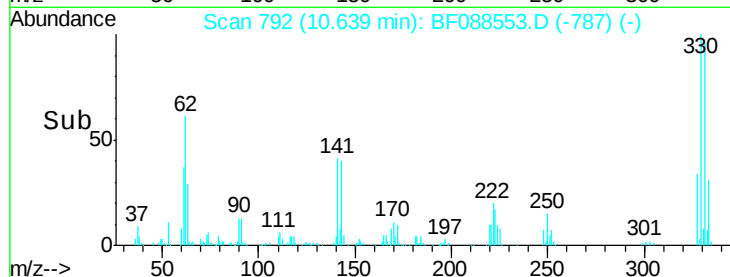
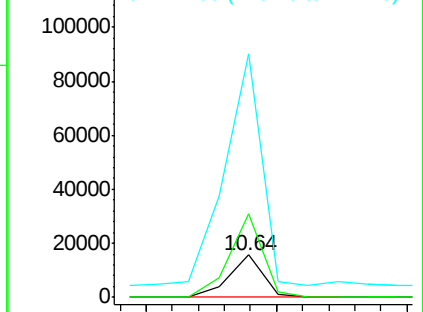
#66
4-Bromophenyl-phenylether
Concen: 4.01 ng
RT: 10.64 min Scan# 792
Delta R.T. -0.24 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Instrument :
BNA_F
ClientSampleId :
B1409-TP01E-1224

Tgt Ion:248 Resp: 14036
Ion Ratio Lower Upper
248 100
250 198.4 77.1 115.7#
141 574.3 50.6 76.0#

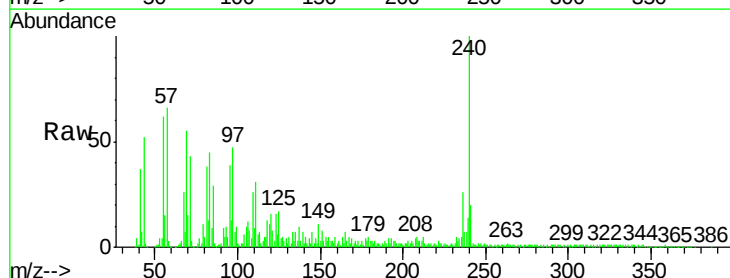


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

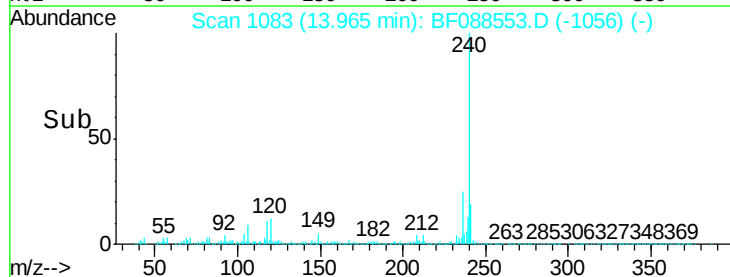
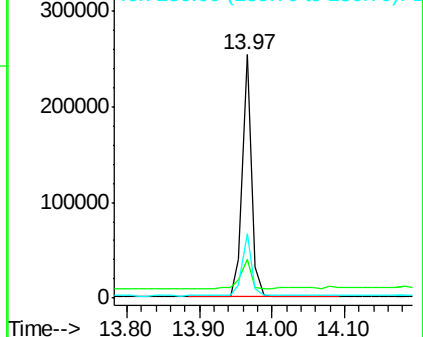


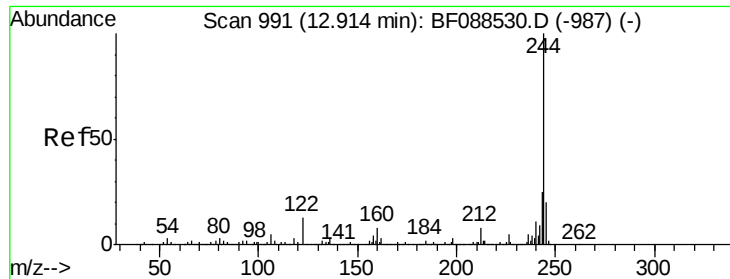
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 1083
Delta R.T. 0.01 min
Lab File: BF088553.D
Acq: 1 Jul 2016 2:46

Tgt Ion:240 Resp: 227654
Ion Ratio Lower Upper
240 100
120 15.8 6.8 10.2#
236 26.5 20.2 30.2



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

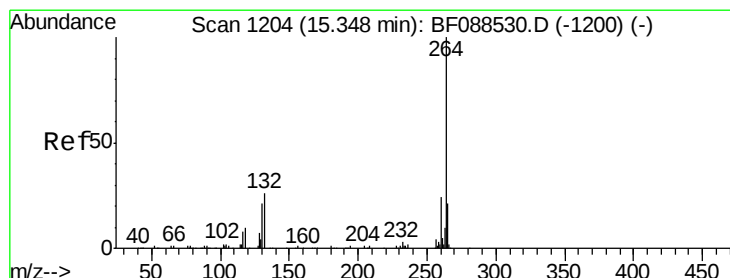
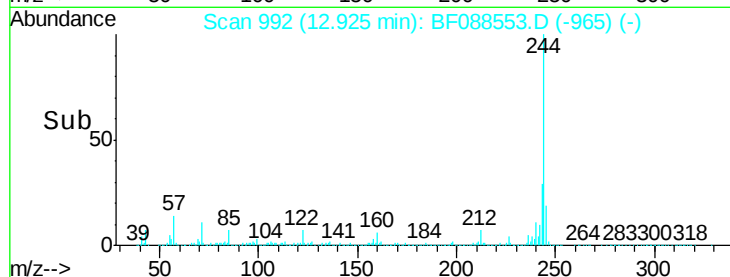
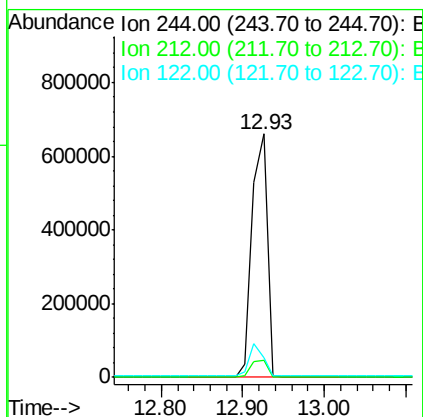
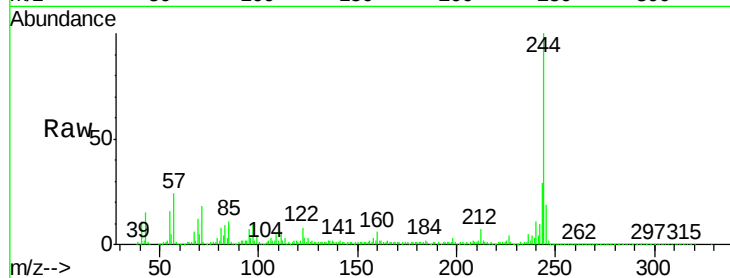




#78
 Terphenyl-d14
 Concen: 82.59 ng
 RT: 12.93 min Scan# 992
 Delta R.T. 0.01 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Instrument :
 BNA_F
 ClientSampleId :
 B1409-TP01E-1224

Tgt Ion:244 Resp: 844182
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 7.9 11.2 16.8#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.39 min Scan# 1208
 Delta R.T. 0.05 min
 Lab File: BF088553.D
 Acq: 1 Jul 2016 2:46

Tgt Ion:264 Resp: 218015
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.2 28.8
 265 23.5 16.9 25.3

