

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090215\
 Data File : BF081346.D
 Acq On : 2 Sep 2015 13:55
 Operator : UM/IZ
 Sample : G3461-01
 Misc : Double Internal standard added
 ALS Vial : 10 Sample Multiplier: 2

Instrument :
 BNA_F
 ClientSampleId :
 LAR9837

Quant Time: Sep 02 23:01:33 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 22:52:41 2015
 Response via : Initial Calibration

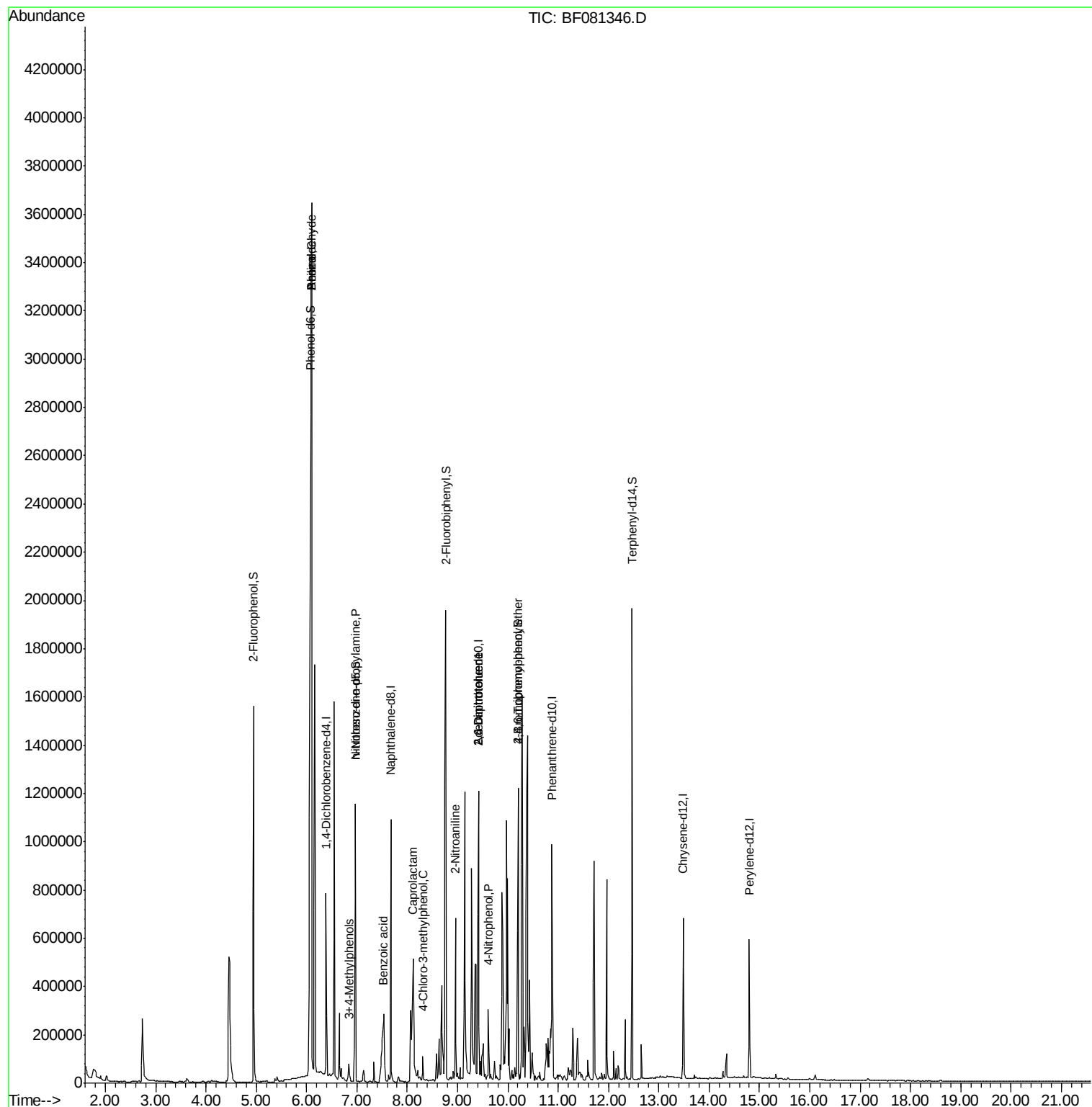
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.39	152	110145	40.00	ng	0.00
21) Naphthalene-d8	7.68	136	463866	40.00	ng	0.00
38) Acenaphthene-d10	9.42	164	202192	40.00	ng	0.00
63) Phenanthrene-d10	10.88	188	390979	40.00	ng	0.00
75) Chrysene-d12	13.49	240	308005	40.00	ng	-0.01
86) Perylene-d12	14.80	264	212016	40.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.95	112	448235	126.28	ng	0.02
7) Phenol-d6	6.08	99	587939	125.13	ng	0.02
23) Nitrobenzene-d5	6.97	82	468574	97.47	ng	0.00
41) 2,4,6-Tribromophenol	10.20	330	129582	143.95	ng	0.00
44) 2-Fluorobiphenyl	8.76	172	784179	99.40	ng	0.00
78) Terphenyl-d14	12.47	244	590434	89.25	ng	0.00
Target Compounds						
6) Aniline	6.10	93	50843	7.66	ng	# 1
9) Benzaldehyde	6.10	77	25190	8.56	ng	# 1
10) Phenol	6.10	94	2381739	437.12	ng	# 63
17) 2-Methylphenol	6.68	107	8488	2.72	ng	# 81
19) n-Nitroso-di-n-propylamine	6.97	70	64660	20.22	ng	# 58
20) 3+4-Methylphenols	6.84	107	27741	6.59	ng	# 85
32) Benzoic acid	7.52	122	1791	5.72	ng	# 27
35) Caprolactam	8.11	113	40176	40.20	ng	# 1
36) 4-Chloro-3-methylphenol	8.31	107	27604	7.57	ng	# 12
47) 2-Nitroaniline	8.96	65	16614	6.07	ng	# 1
50) 2,6-Dinitrotoluene	9.42	165	25315	14.20	ng	# 44
55) 4-Nitrophenol	9.61	139	5220	4.09	ng	# 68
56) 2,4-Dinitrotoluene	9.42	165	25315	11.15	ng	# 38
66) 4-Bromophenyl-phenylether	10.20	248	10402	5.26	ng	# 1

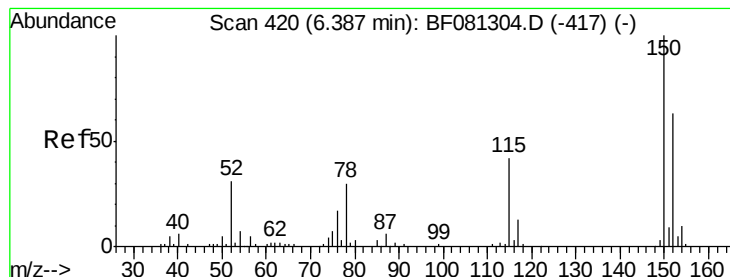
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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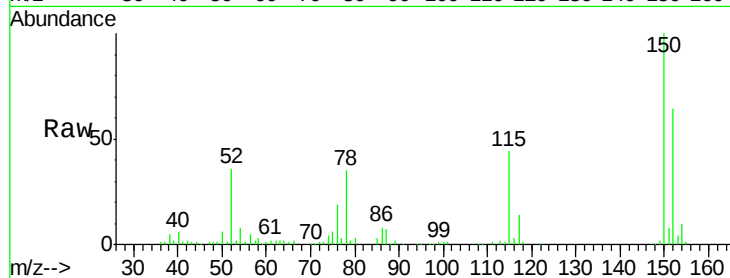


#1

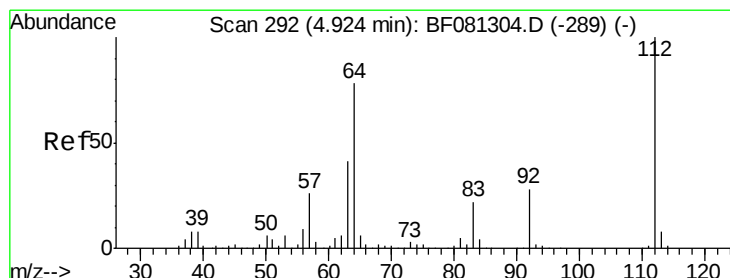
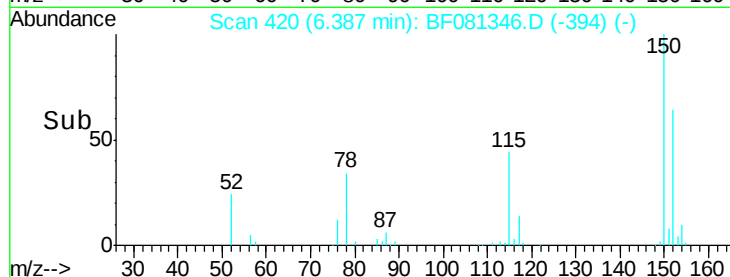
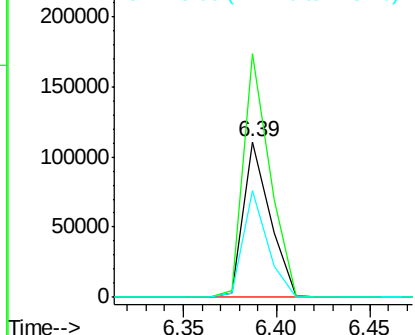
1,4-Dichlorobenzene-d4
Concen: 40.00 ng
RT: 6.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF081346.D
Acq: 2 Sep 2015 13:55

Instrument :
BNA_F
ClientSampleId :
LAR9837

Tot Ion:152 Resp: 110145
Ion Ratio Lower Upper
152 100
150 156.3 124.7 187.1
115 68.8 39.0 58.4#



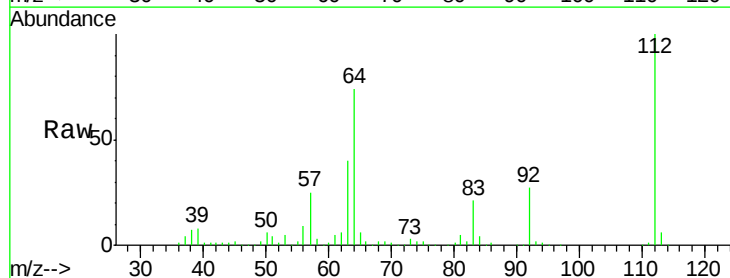
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



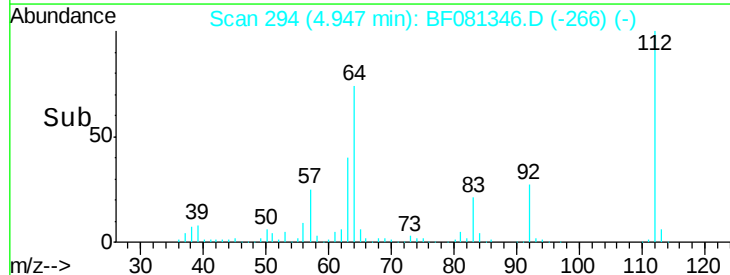
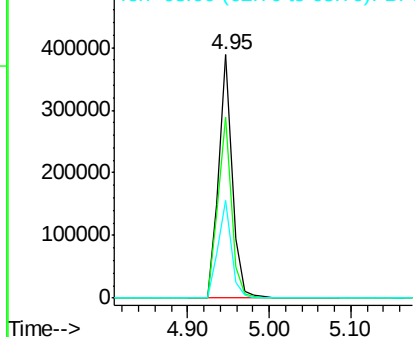
#5

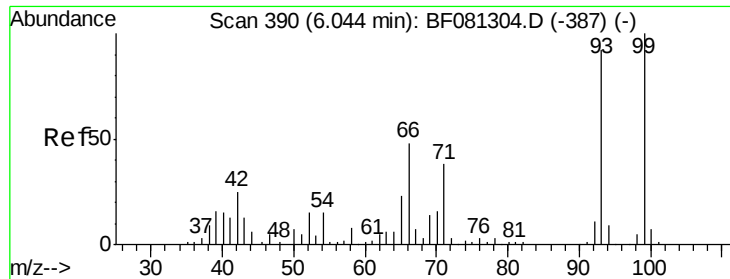
2-Fluorophenol
Concen: 126.28 ng
RT: 4.95 min Scan# 294
Delta R.T. 0.02 min
Lab File: BF081346.D
Acq: 2 Sep 2015 13:55

Tgt Ion:112 Resp: 448235
Ion Ratio Lower Upper
112 100
64 74.3 39.7 59.5#
63 40.0 17.4 26.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 7.66 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.06 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

Instrument :

BNA_F

ClientSampleId :

LAR9837

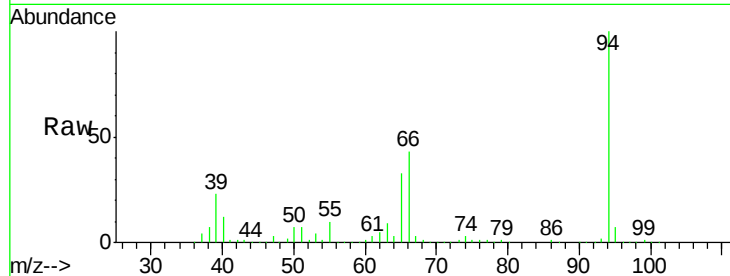
Tot Ion: 93 Resp: 50843

Ion Ratio Lower Upper

93 100

66 1977.7 27.2 40.8#

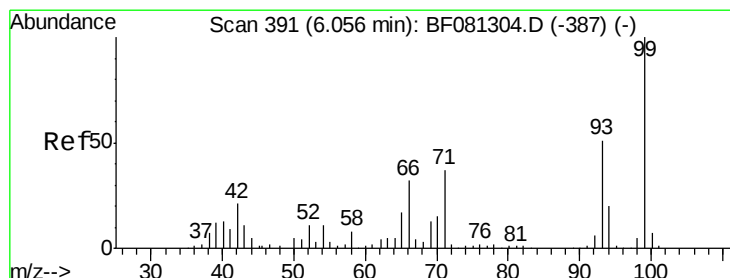
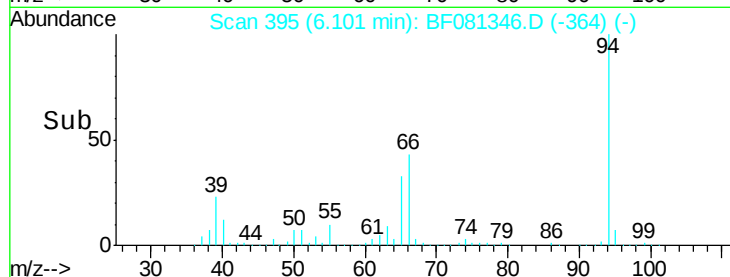
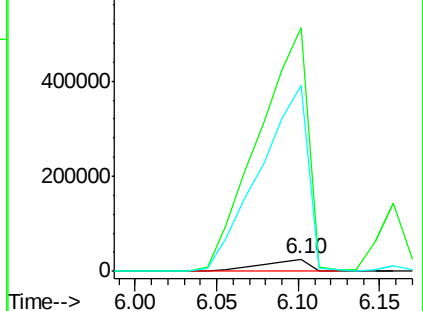
65 1509.7 14.7 22.1#



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 125.13 ng

RT: 6.08 min Scan# 393

Delta R.T. 0.02 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

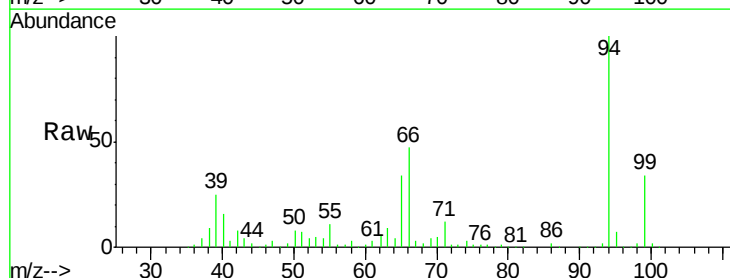
Tgt Ion: 99 Resp: 587939

Ion Ratio Lower Upper

99 100

42 24.2 13.7 20.5#

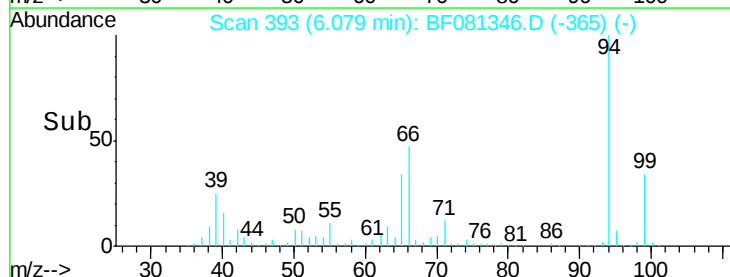
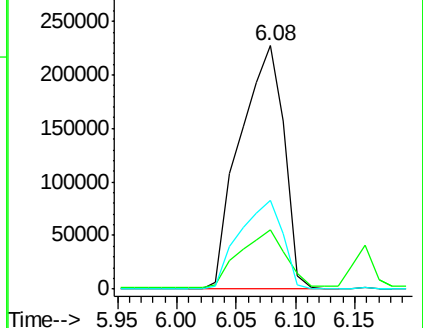
71 36.3 14.2 21.2#

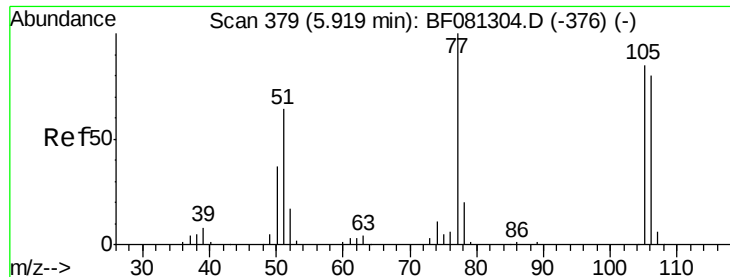


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 8.56 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.18 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

Instrument :

BNA_F

ClientSampleId :

LAR9837

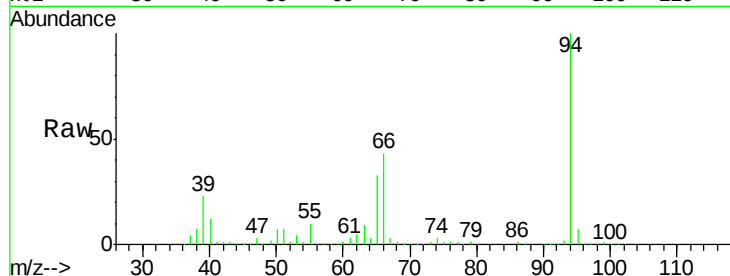
Tot Ion: 77 Resp: 25190

Ion Ratio Lower Upper

77 100

105 0.0 91.6 131.6#

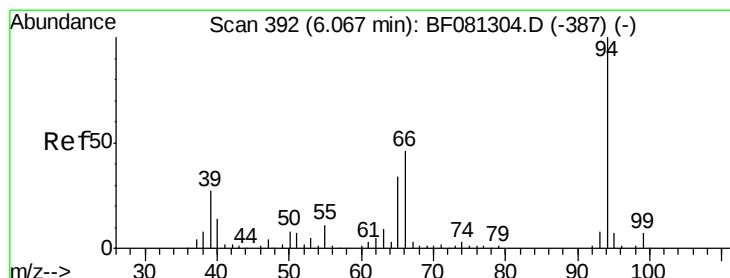
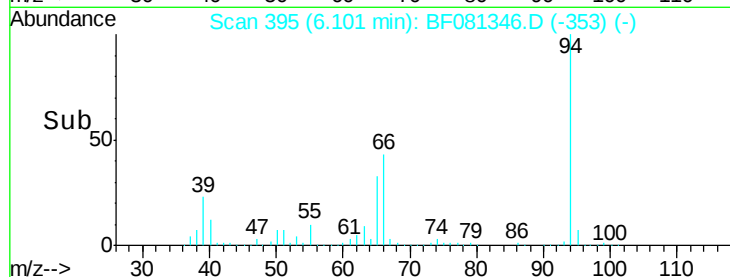
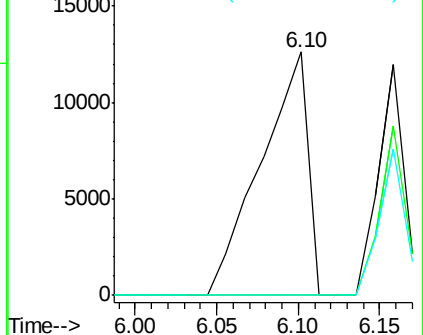
106 0.0 102.6 142.6#



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



#10

Phenol

Concen: 437.12 ng

RT: 6.10 min Scan# 395

Delta R.T. 0.03 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

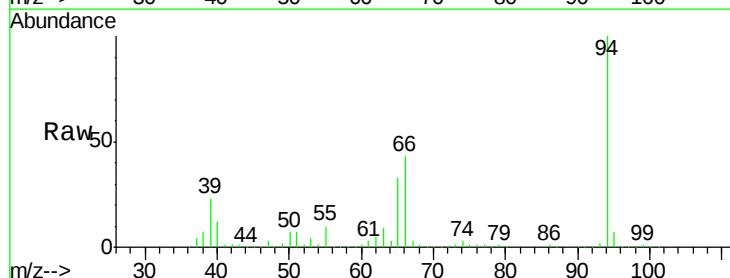
Tgt Ion: 94 Resp: 2381739

Ion Ratio Lower Upper

94 100

65 33.0 0.7 40.7

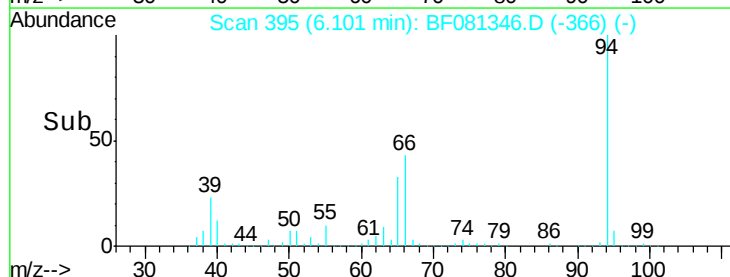
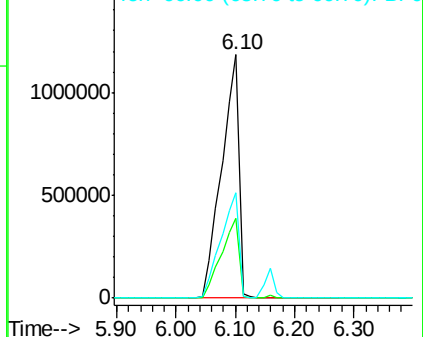
66 43.2 0.8 40.8#

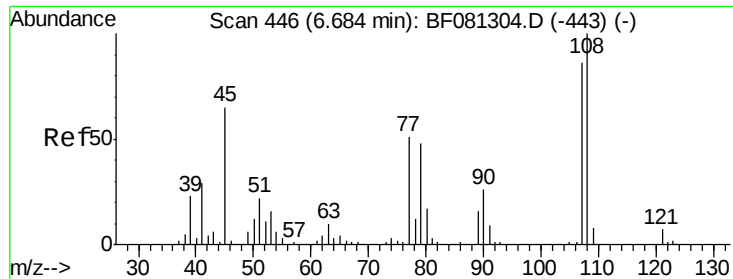


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

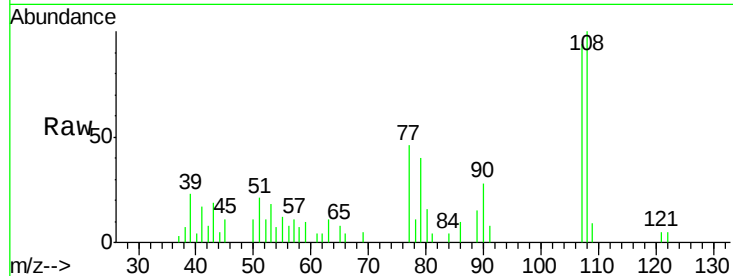




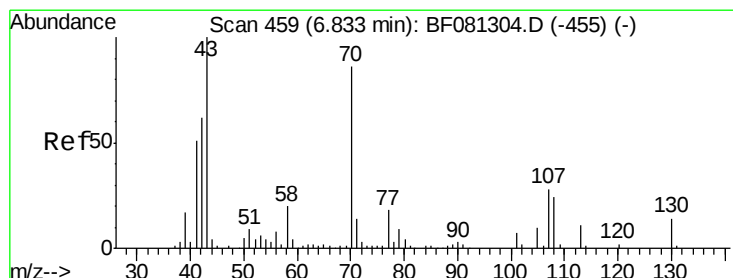
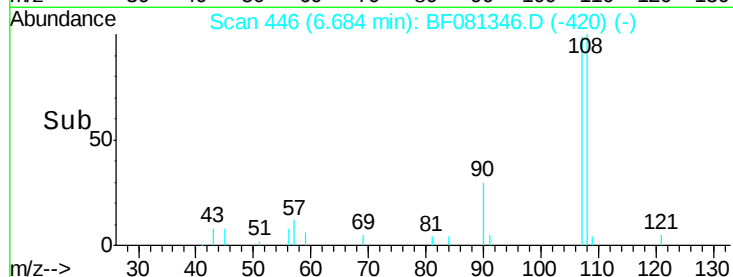
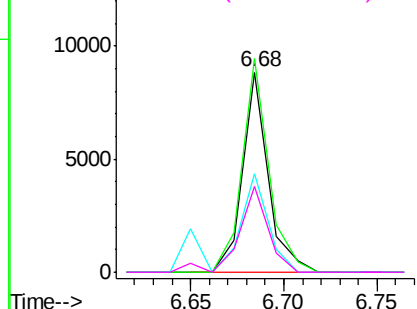
#17
 2-Methylphenol
 Concen: 2.72 ng
 RT: 6.68 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9837

Tot Ion:	107	Resp:	8488
Ion	Ratio	Lower	Upper
107	100		
108	106.7	96.6	145.0
77	49.1	23.3	34.9#
79	43.2	22.0	33.0#

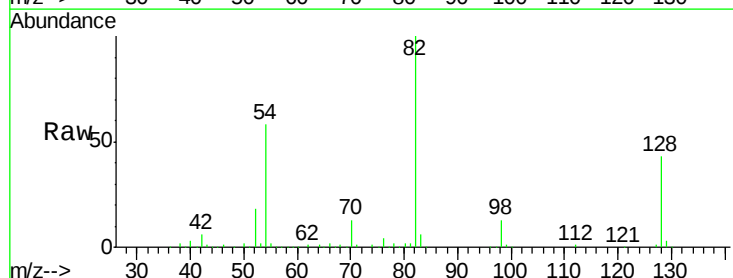


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 108.00 (107.70 to 108.70): E
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0

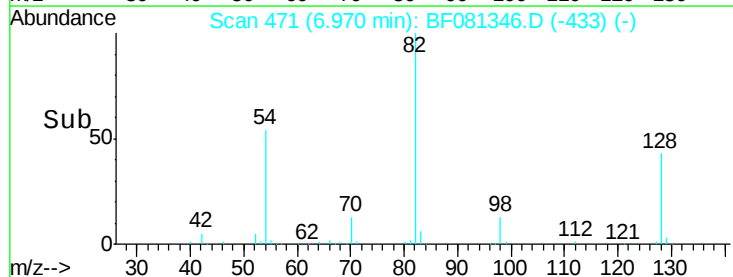
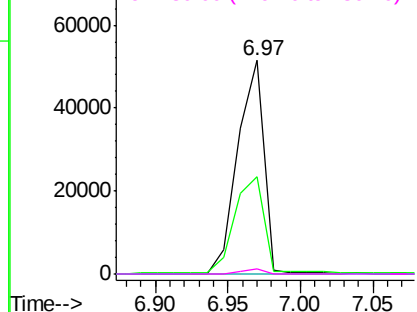


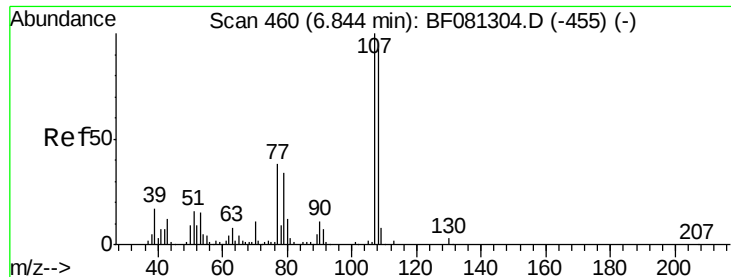
#19
 n-Nitroso-di-n-propylamine
 Concen: 20.22 ng
 RT: 6.97 min Scan# 471
 Delta R.T. 0.14 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Tgt Ion:	70	Resp:	64660
Ion	Ratio	Lower	Upper
70	100		
42	45.8	63.8	95.6#
101	0.0	9.2	13.8#
130	2.1	27.3	40.9#



Abundance Ion 70.00 (69.70 to 70.70): BF0
 Ion 42.00 (41.70 to 42.70): BF0
 Ion 101.00 (100.70 to 101.70): E
 Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 6.59 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

Instrument :

BNA_F

ClientSampled :

LAR9837

Tot Ion:107 Resp: 27741

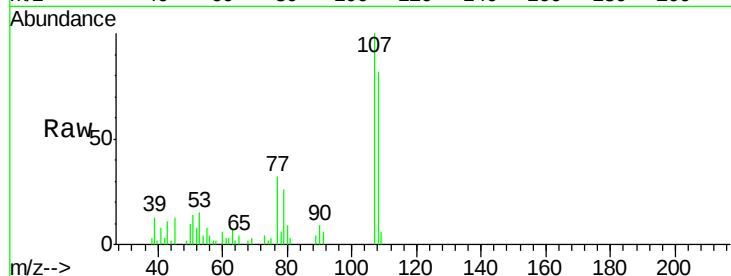
Ion Ratio Lower Upper

107 100

108 81.7 74.6 114.6

77 31.9 0.7 40.7

79 25.8 0.0 38.9

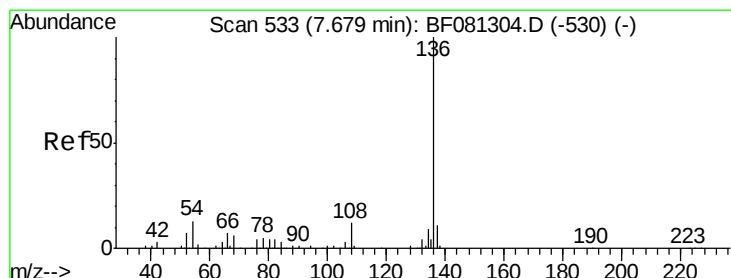
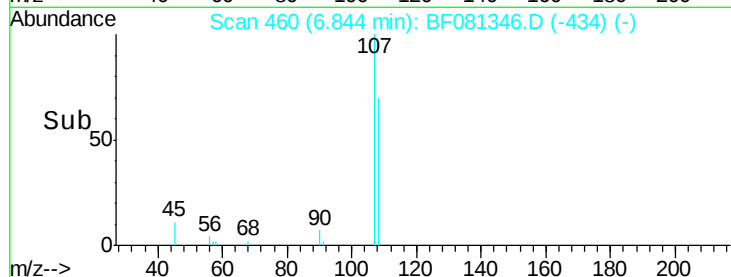
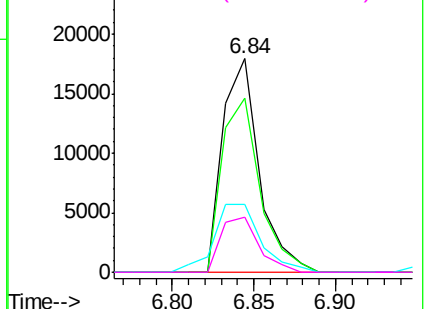


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 7.68 min Scan# 533

Delta R.T. -0.00 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

Tgt Ion:136 Resp: 463866

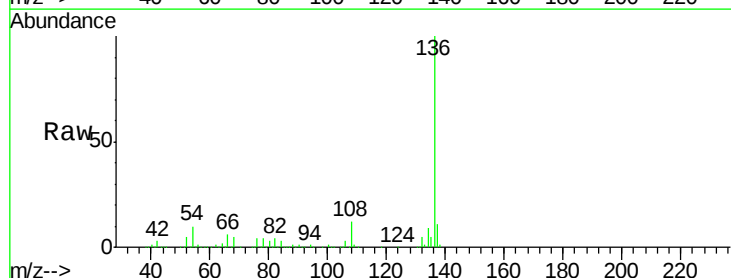
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 10.3 8.2 12.2

68 4.9 5.8 8.6#

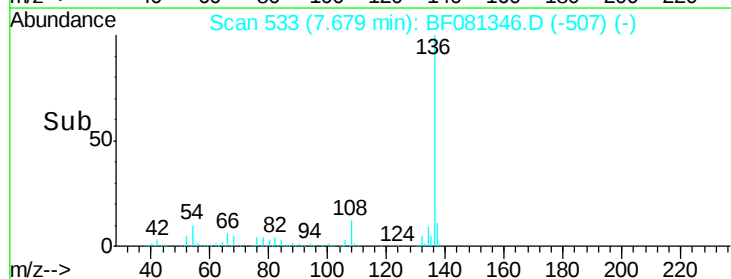
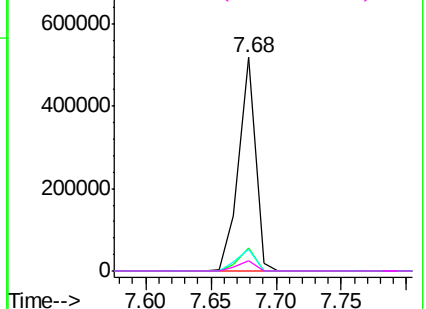


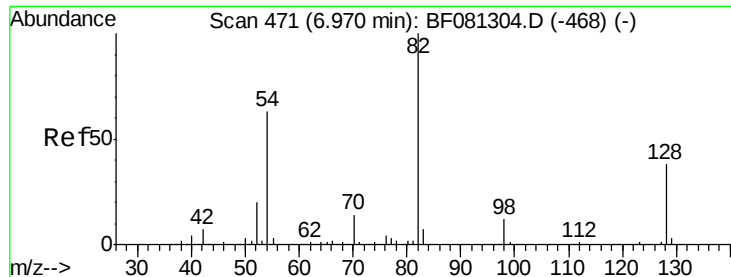
Abundance Ion 136.00 (135.70 to 136.70): E

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

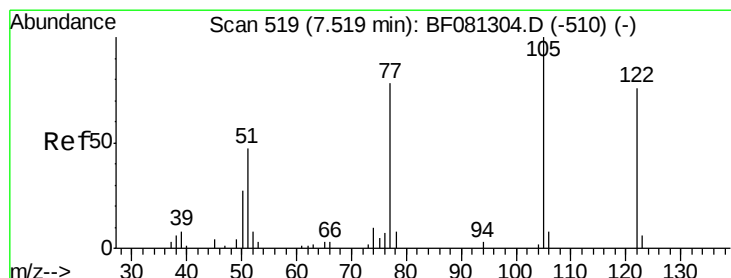
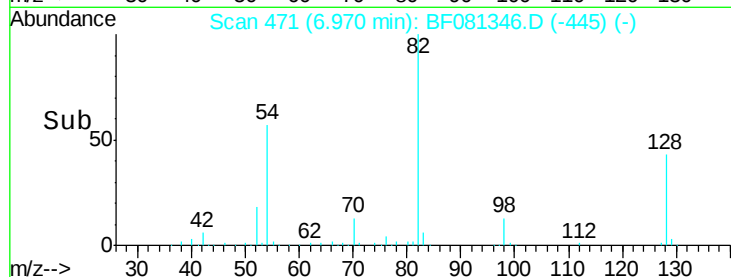
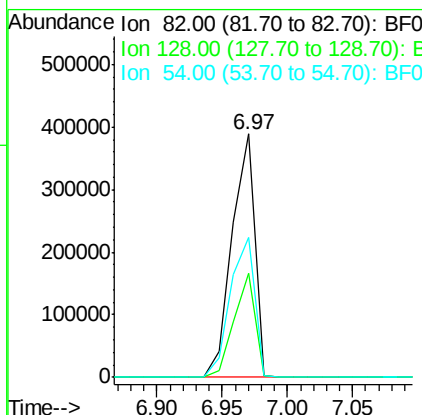
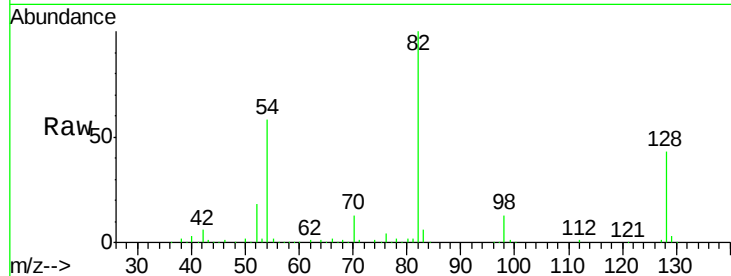




#23
 Nitrobenzene-d5
 Concen: 97.47 ng
 RT: 6.97 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

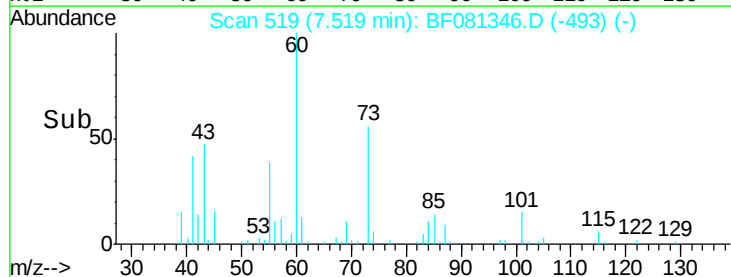
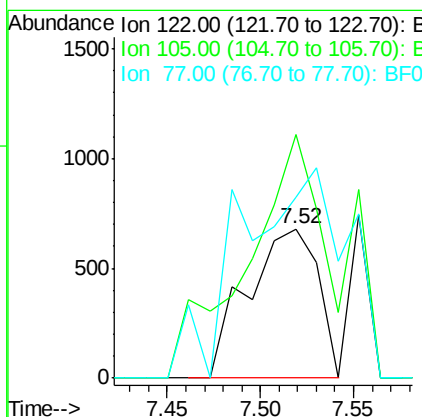
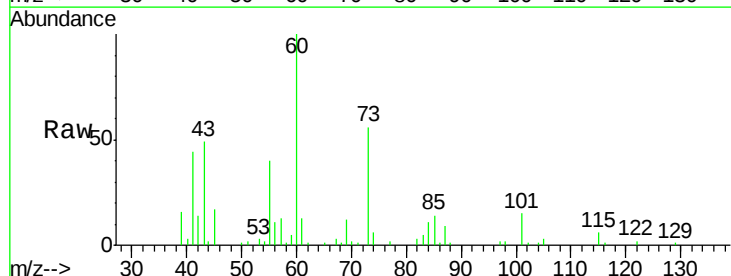
Instrument :
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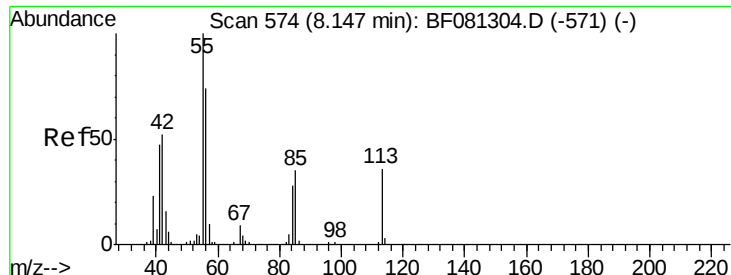
Tot Ion: 82 Resp: 468574
 Ion Ratio Lower Upper
 82 100
 128 42.7 51.0 76.6#
 54 57.5 47.5 71.3



#32
 Benzoic acid
 Concen: 5.72 ng
 RT: 7.52 min Scan# 519
 Delta R.T. -0.00 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Tgt Ion: 122 Resp: 1791
 Ion Ratio Lower Upper
 122 100
 105 162.8 76.1 116.1#
 77 121.4 40.5 80.5#

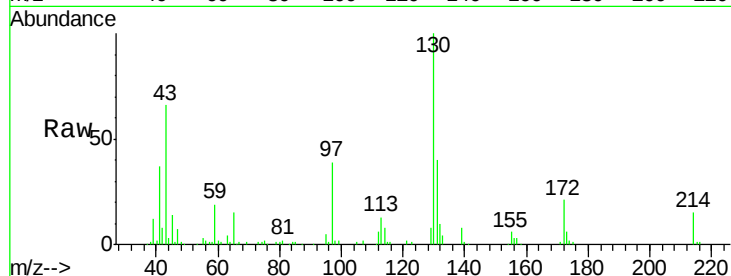




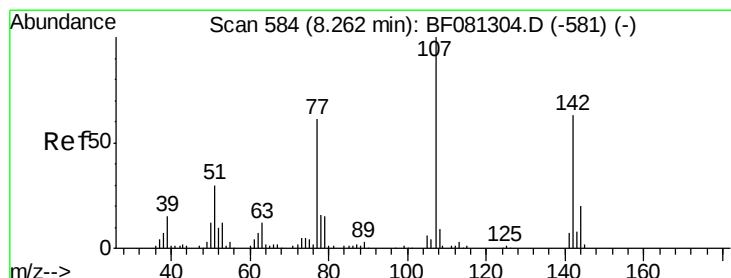
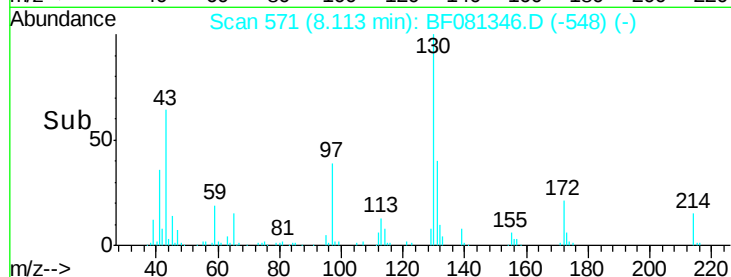
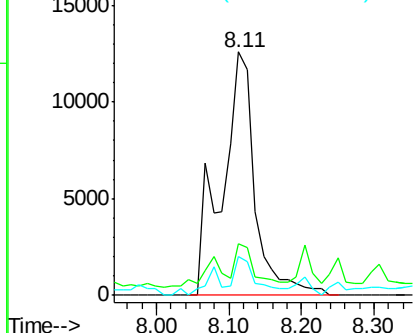
#35
 Caprolactam
 Concen: 40.20 ng
 RT: 8.11 min Scan# 571
 Delta R.T. -0.03 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9837

Tot Ion:113 Resp: 40176
 Ion Ratio Lower Upper
 113 100
 55 21.2 152.4 192.4#
 56 15.8 104.6 144.6#

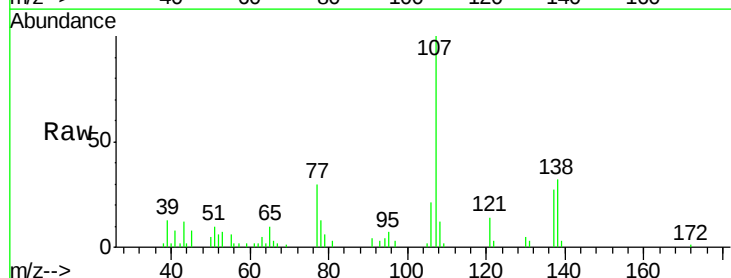


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

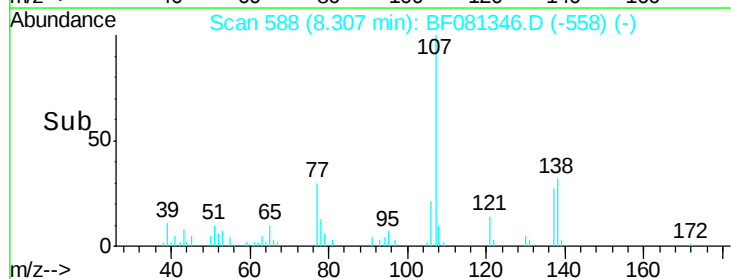
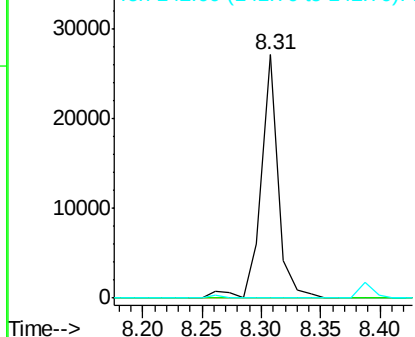


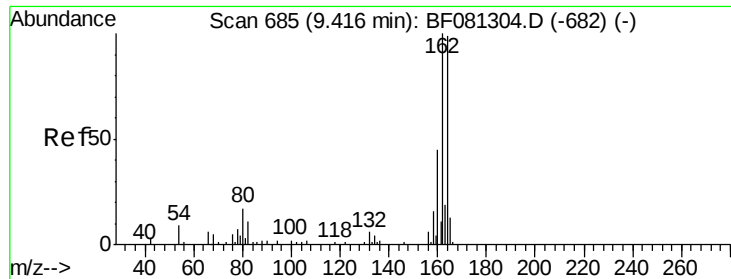
#36
 4-Chloro-3-methylphenol
 Concen: 7.57 ng
 RT: 8.31 min Scan# 588
 Delta R.T. 0.05 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Tgt Ion:107 Resp: 27604
 Ion Ratio Lower Upper
 107 100
 144 0.0 25.4 38.0#
 142 0.0 77.3 115.9#



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





#38

Acenaphthene-d10

Concen: 40.00 ng

RT: 9.42 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

Instrument :

BNA_F

ClientSampleId :

LAR9837

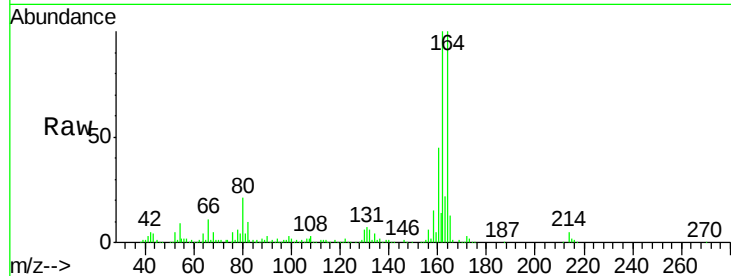
Tot Ion:164 Resp: 202192

Ion Ratio Lower Upper

164 100

162 100.4 75.2 112.8

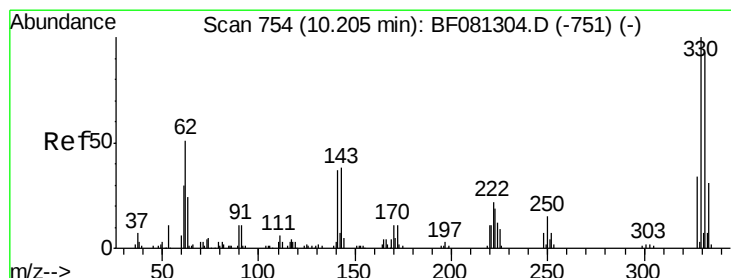
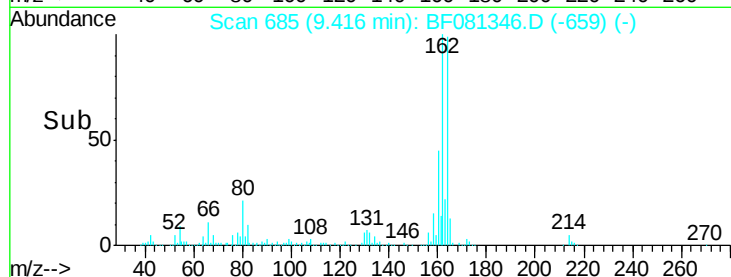
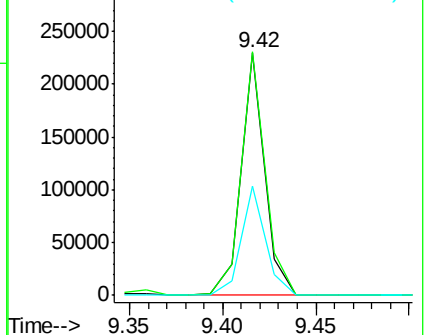
160 45.3 31.5 47.3



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: 143.95 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

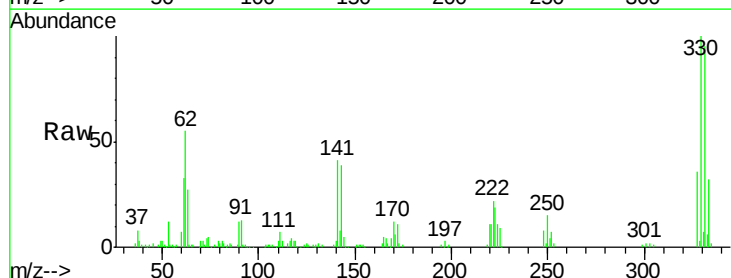
Tgt Ion:330 Resp: 129582

Ion Ratio Lower Upper

330 100

332 95.1 76.6 114.8

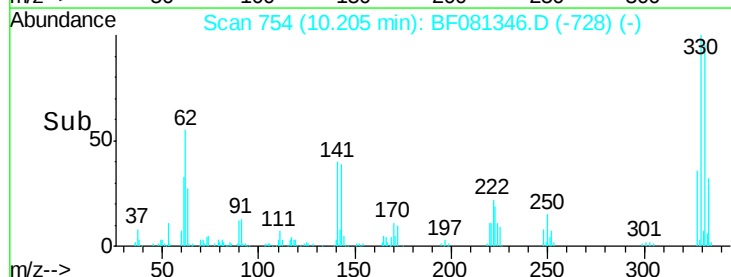
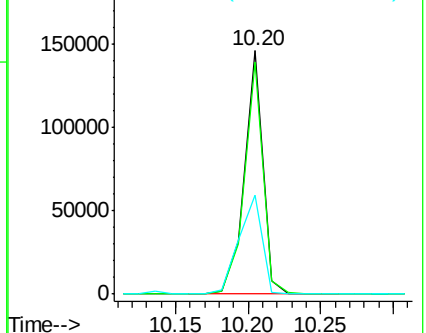
141 50.6 29.7 44.5#

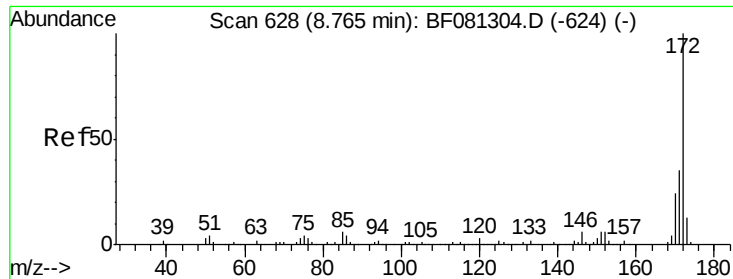


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

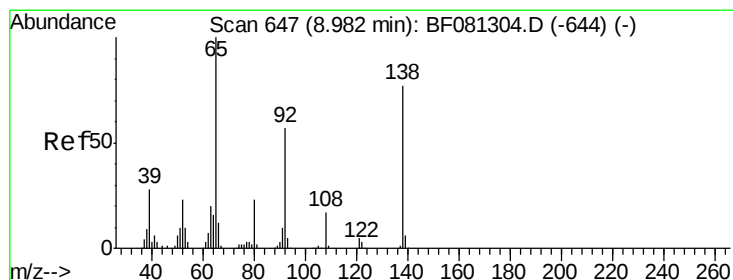
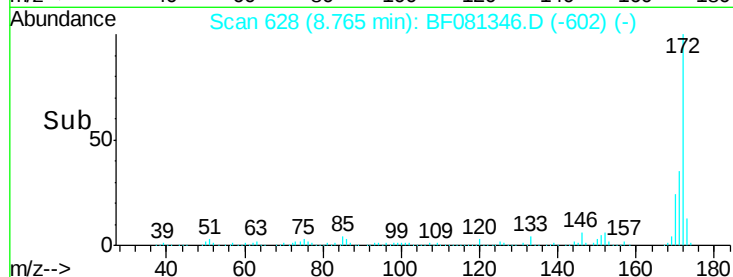
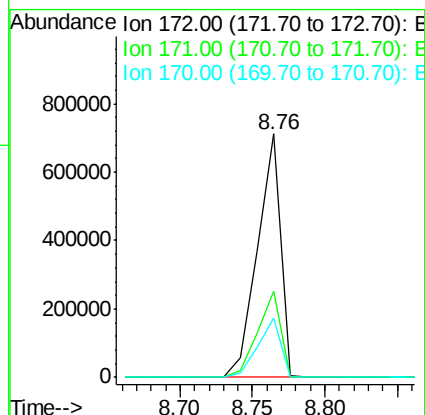
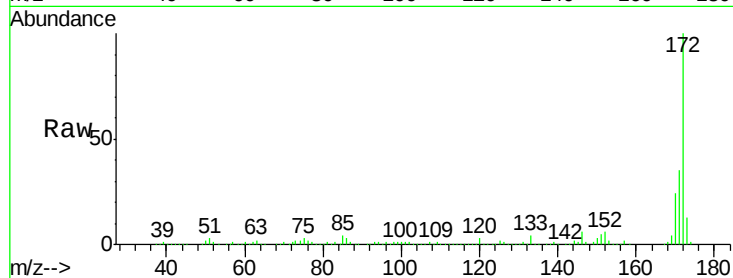




#44
 2-Fluorobiphenyl
 Concen: 99.40 ng
 RT: 8.76 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

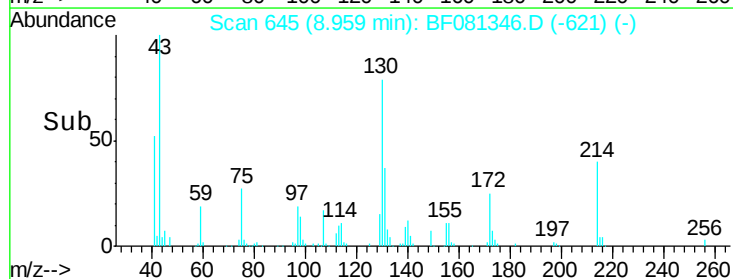
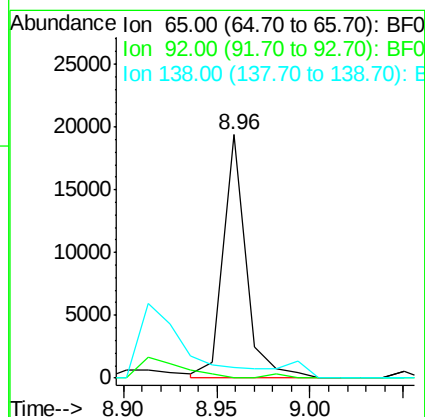
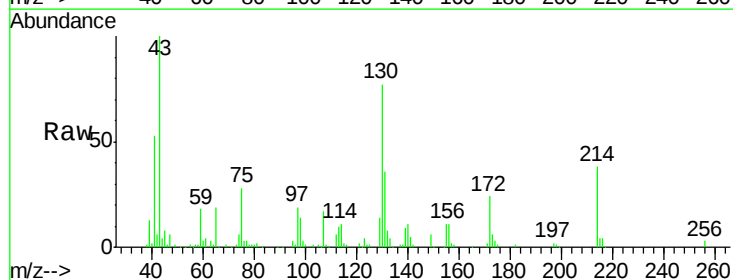
Instrument :
 BNA_F
 ClientSampleId :
 LAR9837

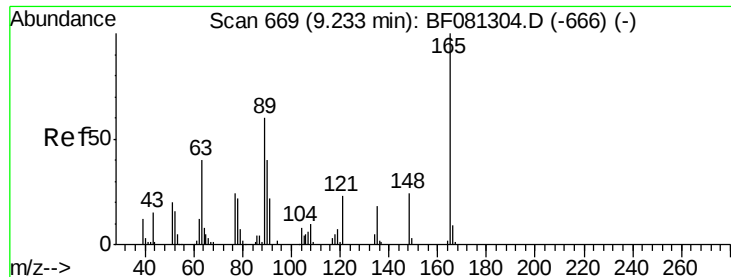
Tot Ion:172 Resp: 784179
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.1 39.1
 170 24.1 17.4 26.2



#47
 2-Nitroaniline
 Concen: 6.07 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Tgt Ion: 65 Resp: 16614
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.4 83.0#
 138 4.2 115.5 173.3#





#50

2,6-Dinitrotoluene

Concen: 14.20 ng

RT: 9.42 min Scan# 685

Delta R.T. 0.18 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

Instrument :

BNA_F

ClientSampleId :

LAR9837

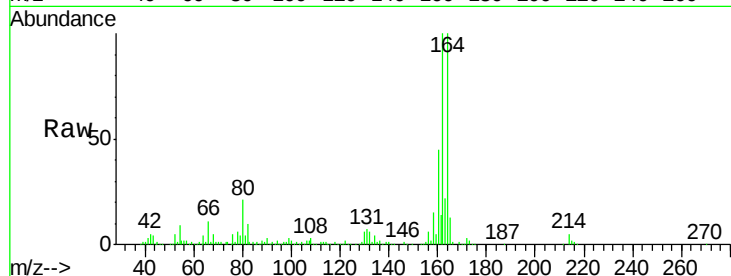
Tot Ion:165 Resp: 25315

Ion Ratio Lower Upper

165 100

63 2.7 32.3 48.5#

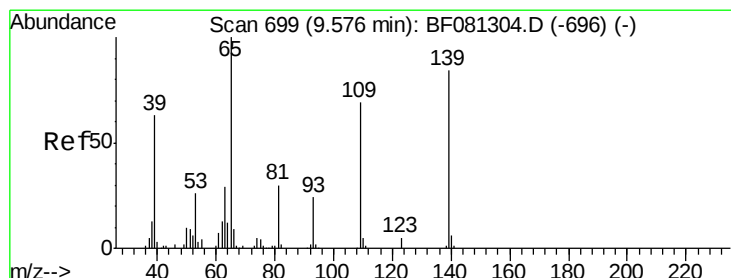
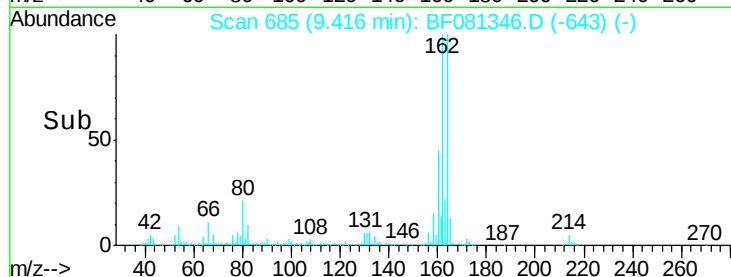
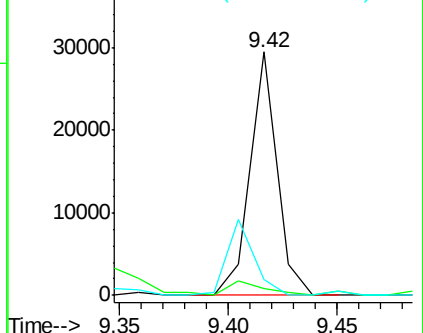
89 6.2 28.6 43.0#



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



#55

4-Nitrophenol

Concen: 4.09 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.03 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

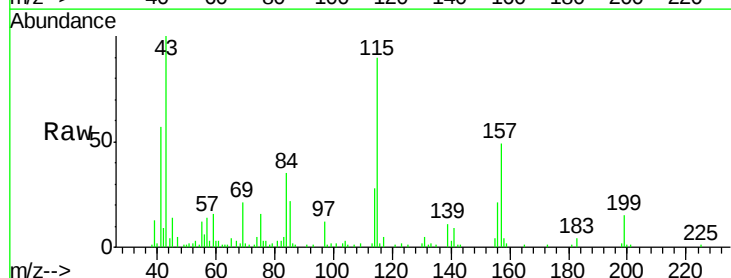
Tgt Ion:139 Resp: 5220

Ion Ratio Lower Upper

139 100

109 15.1 12.7 52.7

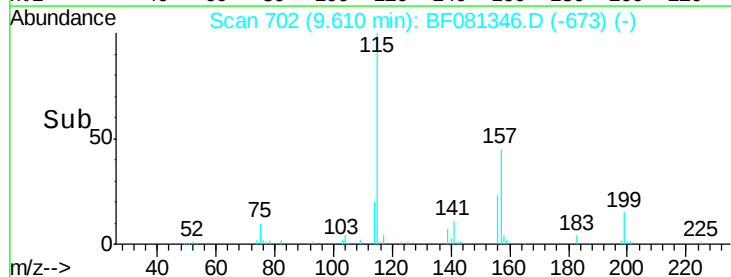
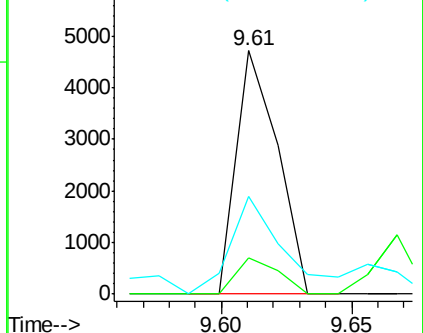
65 40.2 45.9 85.9#

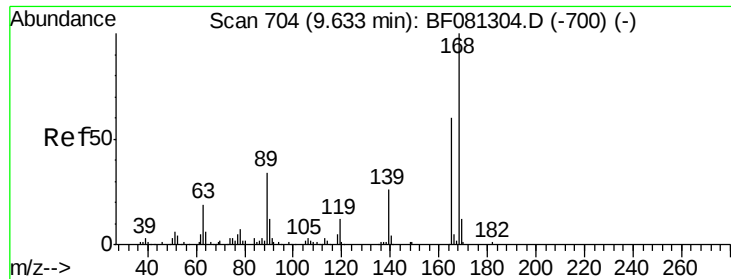


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

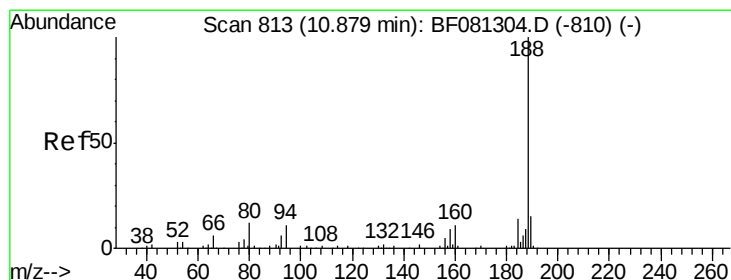
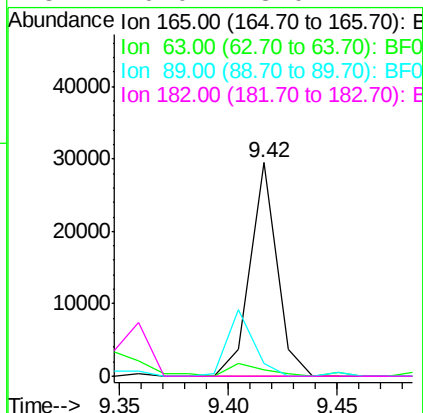
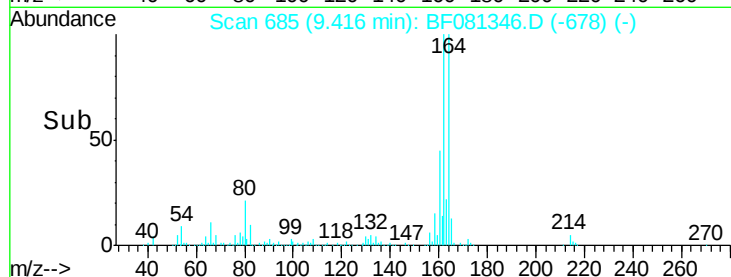
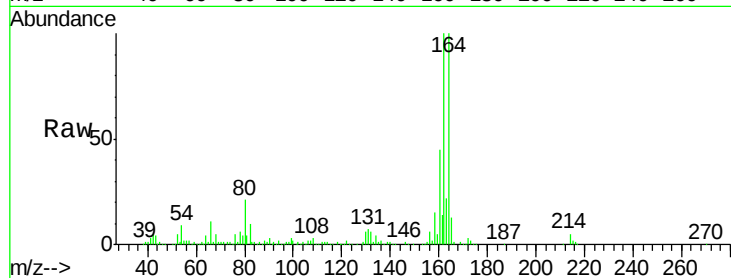




#56
 2,4-Dinitrotoluene
 Concen: 11.15 ng
 RT: 9.42 min Scan# 685
 Delta R.T. -0.22 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

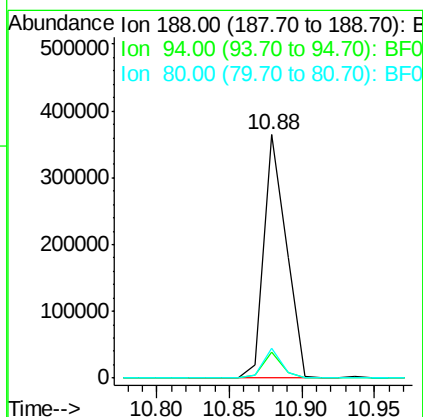
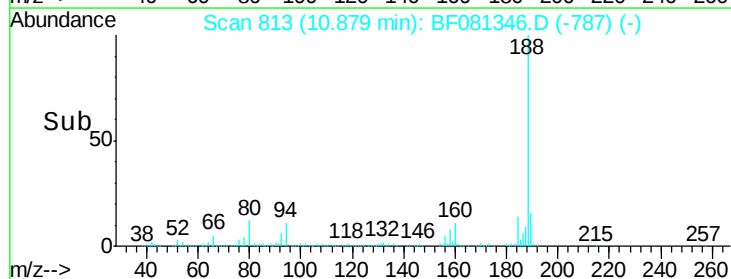
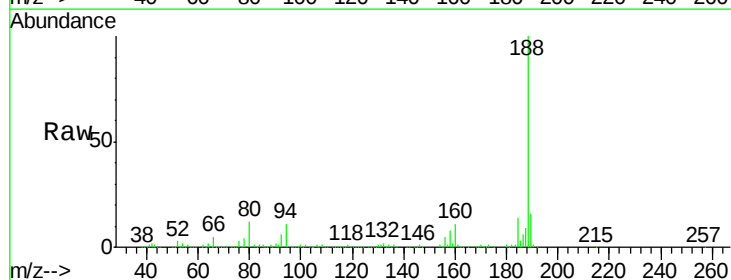
Instrument :
 BNA_F
 ClientSampleId :
 LAR9837

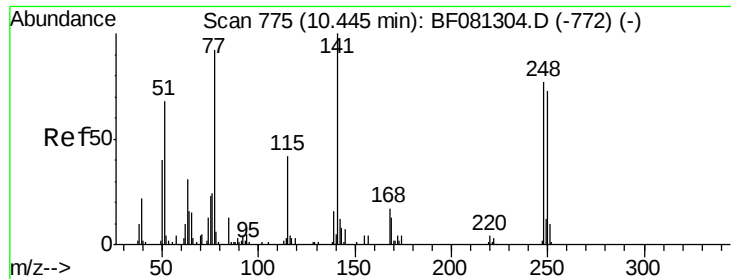
Tot Ion:	165	Resp:	25315
Ion	Ratio	Lower	Upper
165	100		
63	2.7	29.8	44.6#
89	6.2	44.5	66.7#
182	0.0	3.0	4.4#



#63
 Phenanthrene-d10
 Concen: 40.00 ng
 RT: 10.88 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Tgt Ion:	188	Resp:	390979
Ion	Ratio	Lower	Upper
188	100		
94	10.5	11.1	16.7#
80	12.2	11.0	16.4





#66

4-Bromophenyl-phenylether

Concen: 5.26 ng

RT: 10.20 min Scan# 754

Delta R.T. -0.24 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

Instrument :

BNA_F

ClientSampleId :

LAR9837

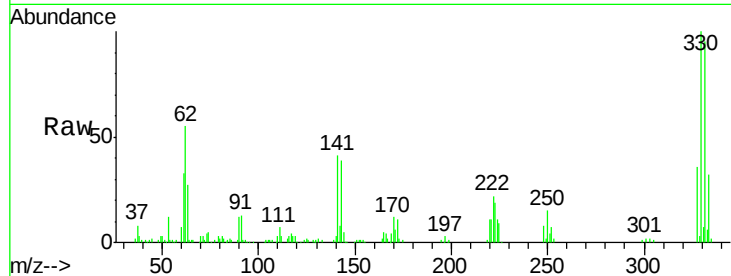
Tot Ion:248 Resp: 10402

Ion Ratio Lower Upper

248 100

250 198.1 78.5 117.7#

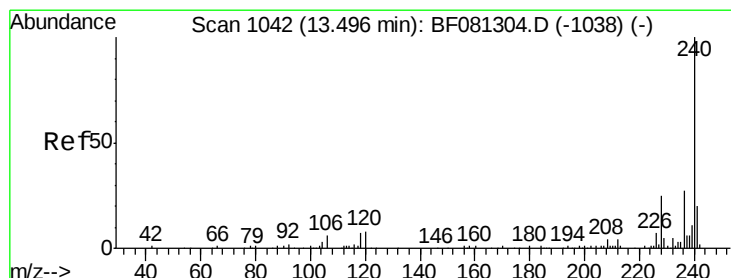
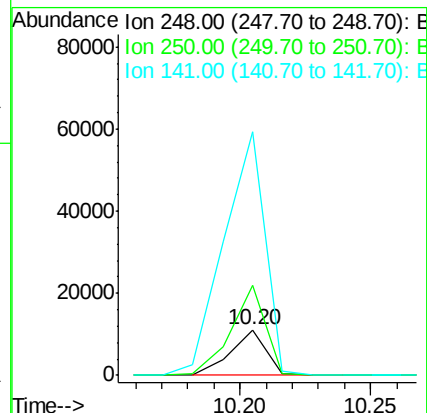
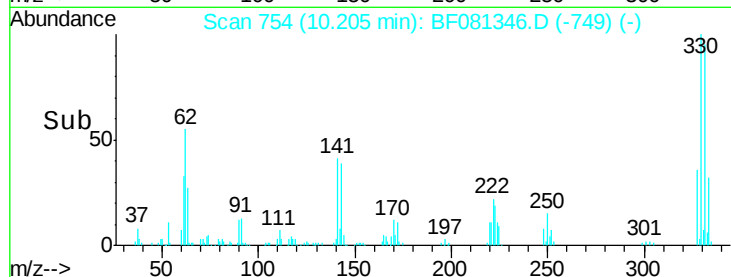
141 534.9 59.0 88.6#



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: 40.00 ng

RT: 13.49 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF081346.D

Acq: 2 Sep 2015 13:55

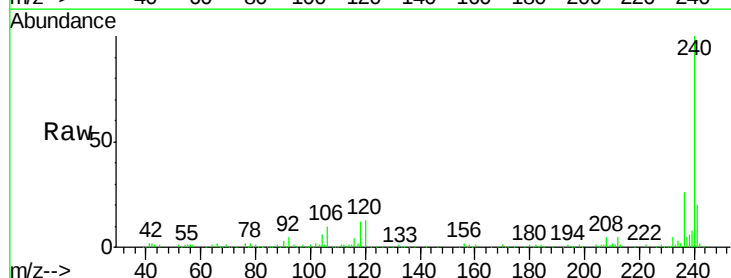
Tgt Ion:240 Resp: 308005

Ion Ratio Lower Upper

240 100

120 13.1 16.2 24.2#

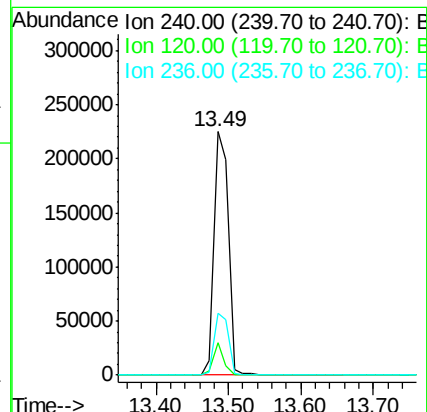
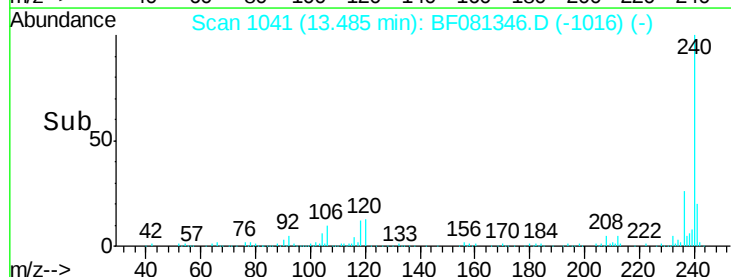
236 25.5 18.4 27.6

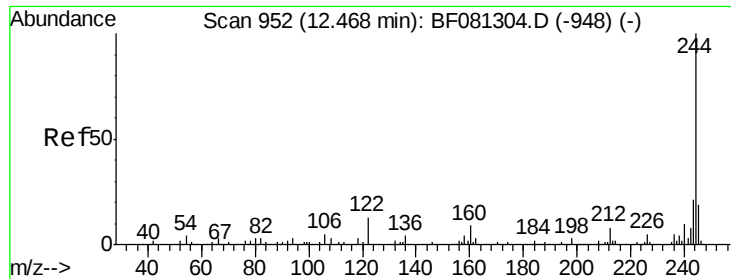


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

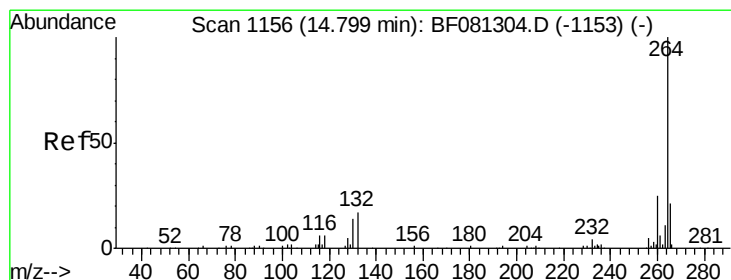
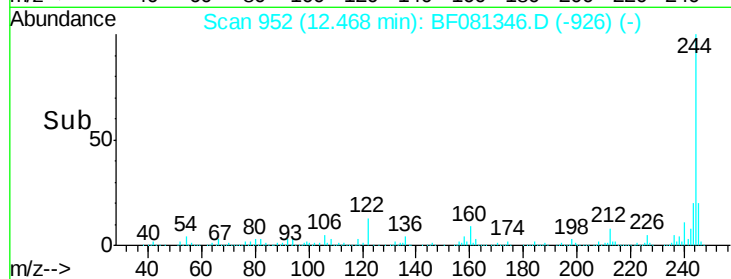
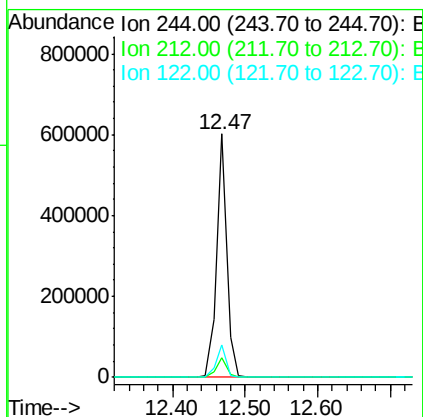
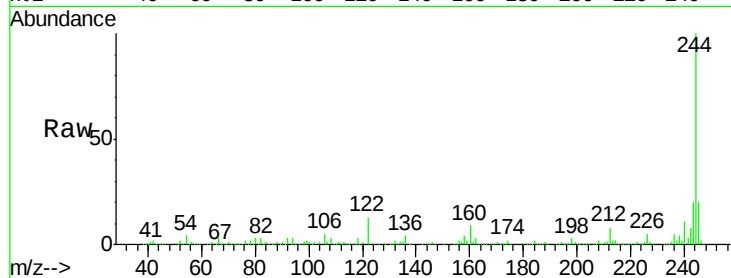




#78
 Terphenyl-d14
 Concen: 89.25 ng
 RT: 12.47 min Scan# 952
 Delta R.T. -0.00 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Instrument :
 BNA_F
 ClientSampleId :
 LAR9837

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	4.3	6.5#
122	13.3	17.4	26.2#



#86
 Perylene-d12
 Concen: 40.00 ng
 RT: 14.80 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BF081346.D
 Acq: 2 Sep 2015 13:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	16.7	25.1
265	21.6	17.2	25.8

