

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092515\
 Data File : BF081819.D
 Acq On : 25 Sep 2015 23:28
 Operator : UM/IZ
 Sample : G3804-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1509113666

Quant Time: Sep 26 01:45:42 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 25 06:02:49 2015
 Response via : Initial Calibration

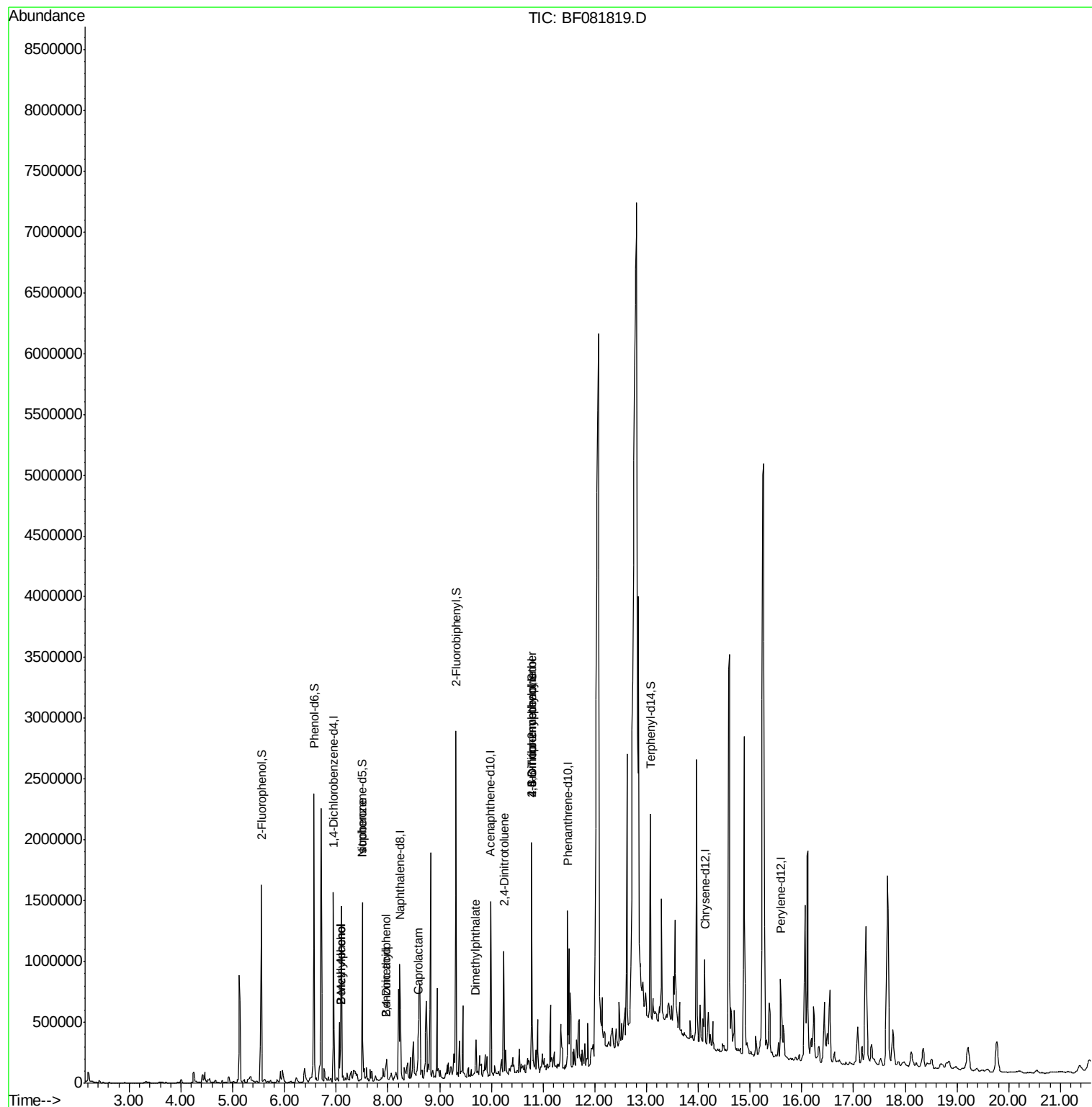
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	147414	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	515936	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	253232	20.00	ng	-0.01
63) Phenanthrene-d10	11.47	188	429304	20.00	ng	0.00
75) Chrysene-d12	14.13	240	354758	20.00	ng	0.01
86) Perylene-d12	15.59	264	339129	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	628652	72.14	ng	0.01
7) Phenol-d6	6.57	99	827002	75.03	ng	0.00
23) Nitrobenzene-d5	7.51	82	468693	59.94	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	208604	94.88	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1037071	67.23	ng	0.00
78) Terphenyl-d14	13.08	244	856735	55.17	ng	0.01
Target Compounds						
15) Benzyl Alcohol	7.09	79	72392	8.33	ng	# 82
17) 2-Methylphenol	7.09	107	35505	4.38	ng	# 20
25) Isophorone	7.51	82	412472	23.81	ng	# 59
27) 2,4-Dimethylphenol	7.97	122	37672	4.80	ng	# 12
32) Benzoic acid	7.97	122	37672	24.63	ng	# 68
35) Caprolactam	8.58	113	9093	4.65	ng	# 23
49) Dimethylphthalate	9.70	163	90271	4.68	ng	# 97
56) 2,4-Dinitrotoluene	10.24	165	9633	2.16	ng	# 49
64) 4,6-Dinitro-2-methylphenol	10.78	198	940	8.94	ng	# 1
66) 4-Bromophenyl-phenylether	10.78	248	14088	2.95	ng	# 1

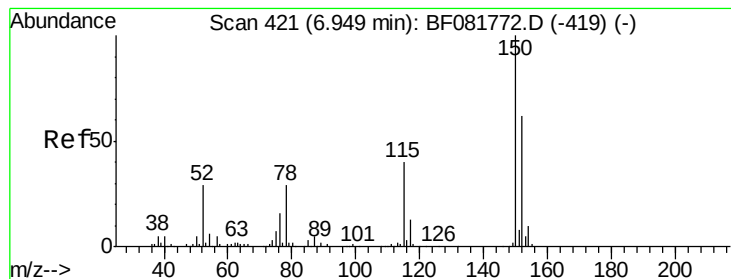
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.95 min Scan# 421

Delta R.T. -0.00 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

Instrument :

BNA_F

ClientSampleId :

1509113666

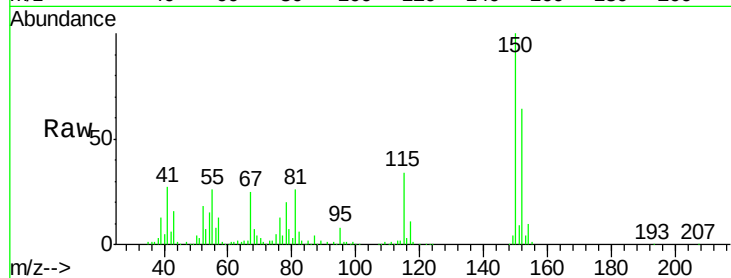
Tgt Ion:152 Resp: 147414

Ion Ratio Lower Upper

152 100

150 156.9 124.7 187.1

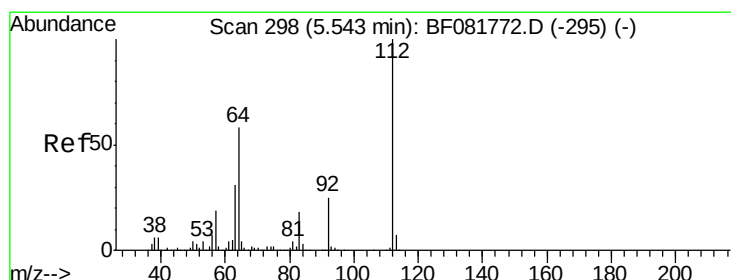
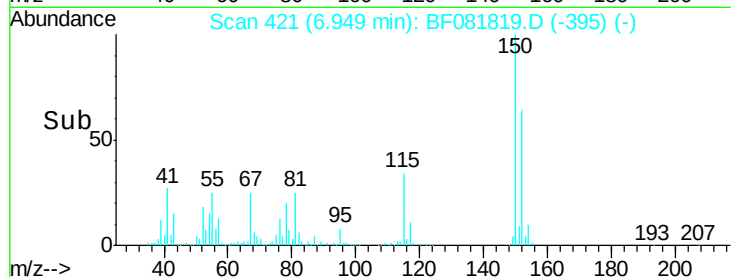
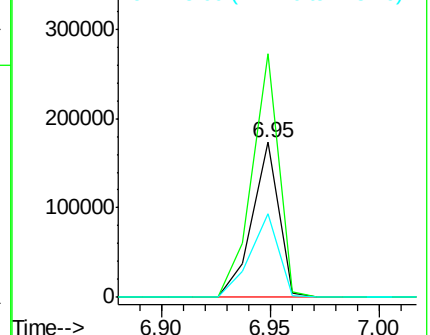
115 53.6 39.0 58.4



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: 72.14 ng

RT: 5.55 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

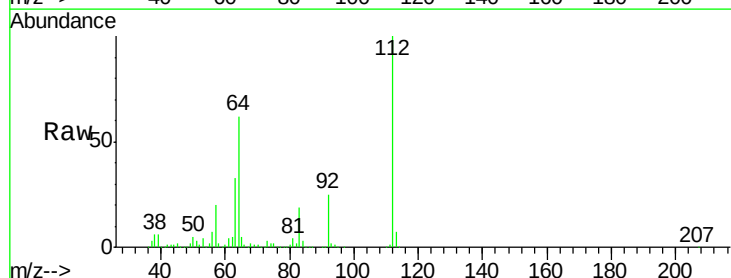
Tgt Ion:112 Resp: 628652

Ion Ratio Lower Upper

112 100

64 62.4 39.7 59.5#

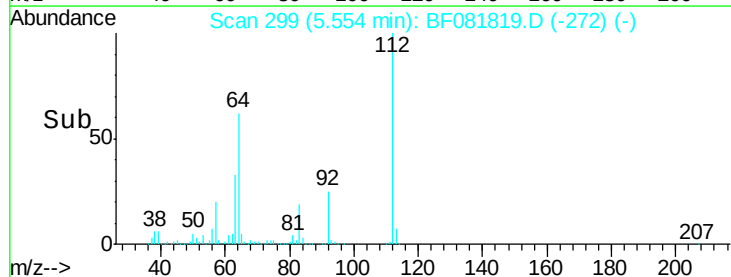
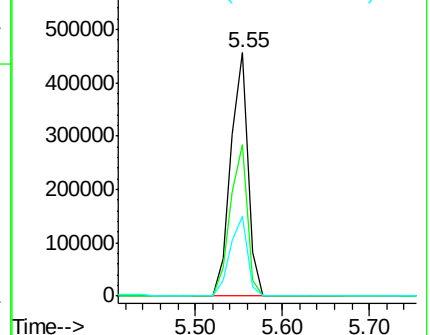
63 32.8 17.4 26.0#

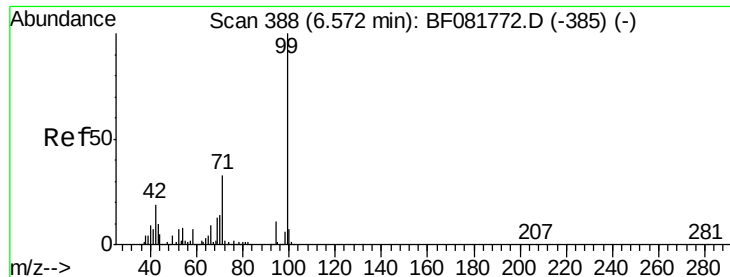


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 75.03 ng

RT: 6.57 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

Instrument :

BNA_F

ClientSampleId :

1509113666

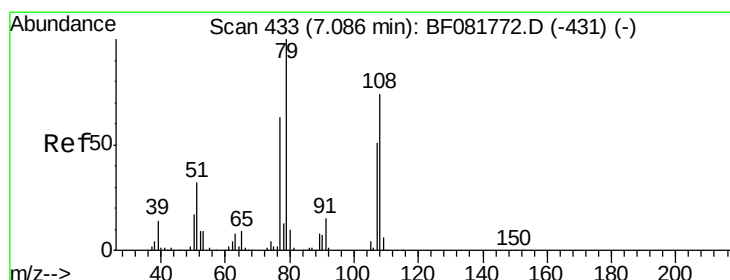
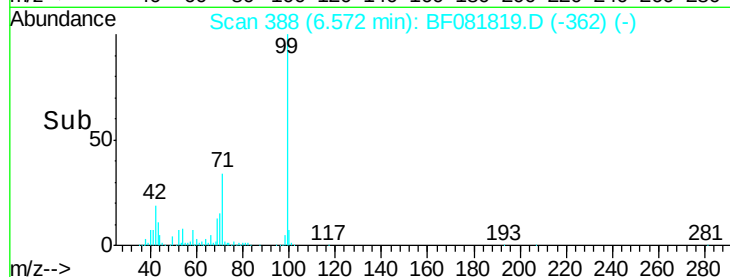
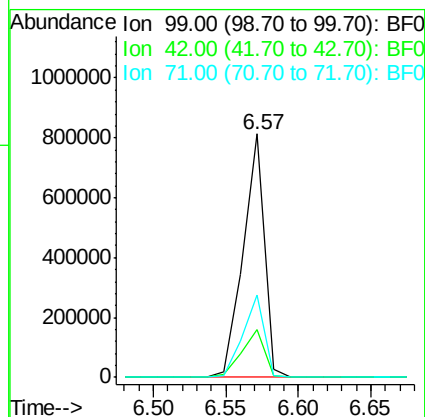
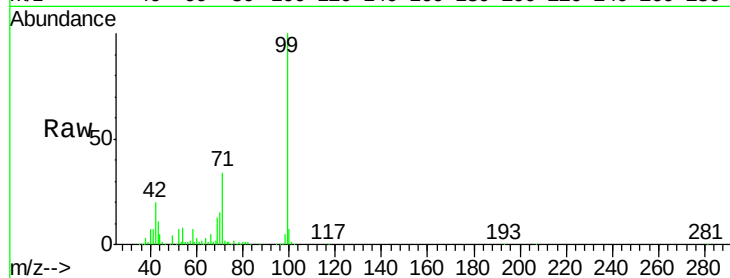
Tgt Ion: 99 Resp: 827002

Ion Ratio Lower Upper

99 100

42 19.5 13.7 20.5

71 33.8 14.2 21.2#



#15

Benzyl Alcohol

Concen: 8.33 ng

RT: 7.09 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

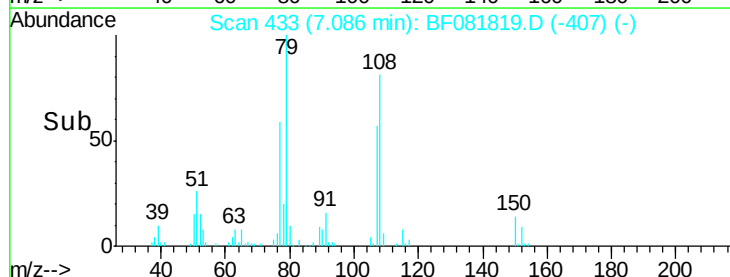
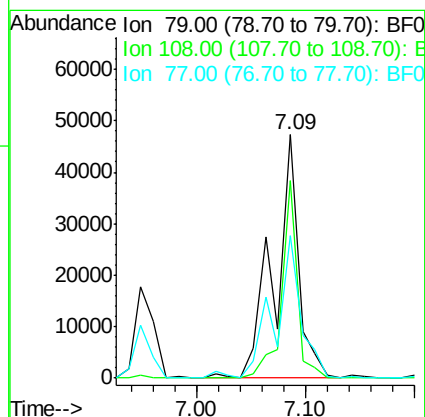
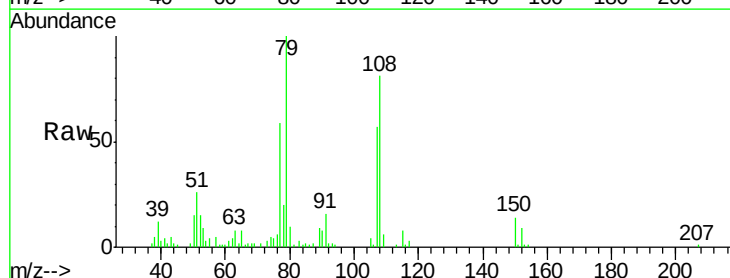
Tgt Ion: 79 Resp: 72392

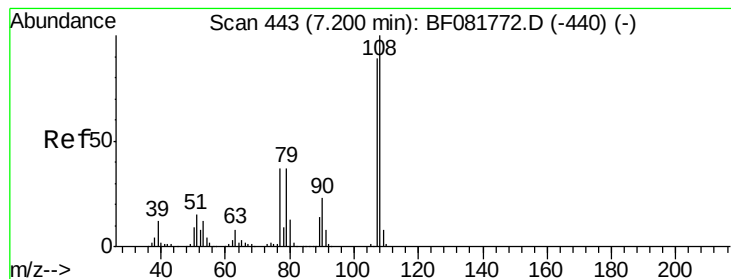
Ion Ratio Lower Upper

79 100

108 81.2 88.6 132.8#

77 58.7 47.0 70.4





#17

2-Methylphenol

Concen: 4.38 ng

RT: 7.09 min Scan# 433

Delta R.T. -0.11 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

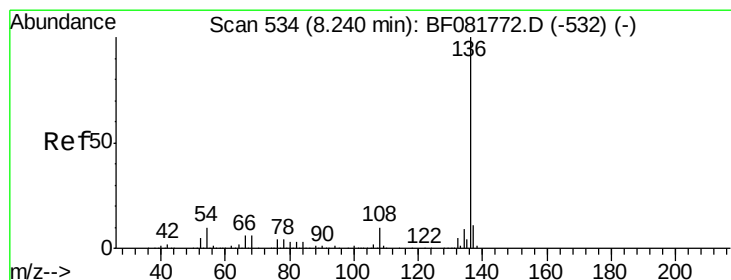
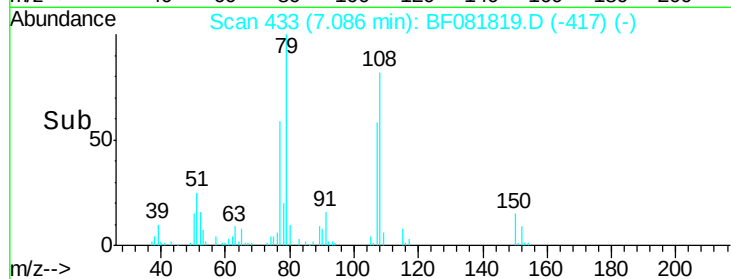
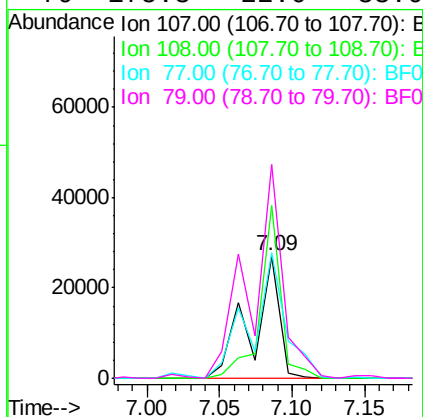
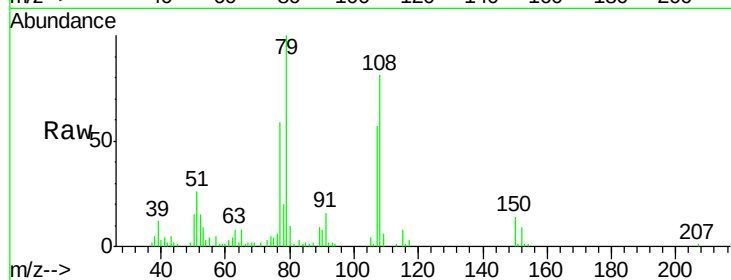
Instrument :

BNA_F

ClientSampleId :

1509113666

Tgt Ion:	107	Resp:	35505
Ion	Ratio	Lower	Upper
107	100		
108	142.3	96.6	145.0
77	102.9	23.3	34.9#
79	175.3	22.0	33.0#



#21

Naphthalene-d8

Concen: 20.00 ng

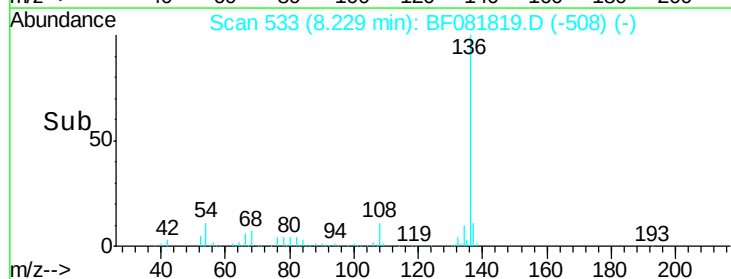
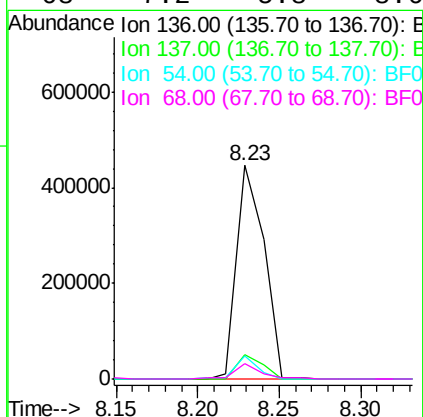
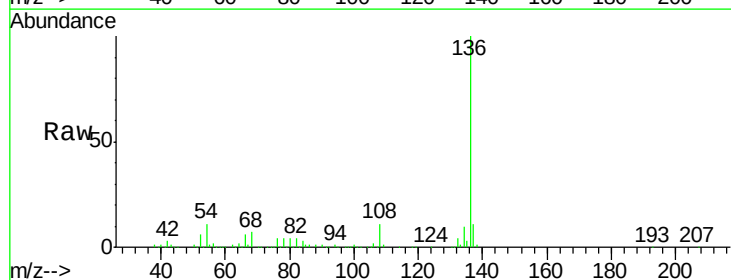
RT: 8.23 min Scan# 533

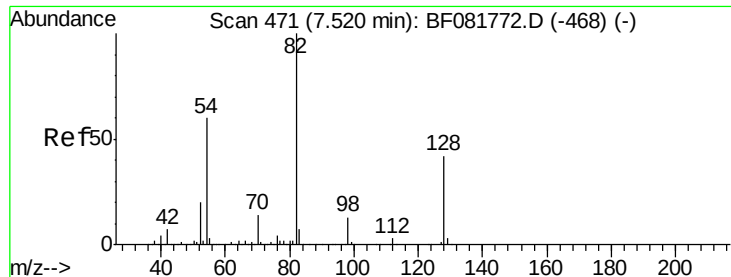
Delta R.T. -0.01 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

Tgt Ion:	136	Resp:	515936
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.6
54	11.1	8.2	12.2
68	7.2	5.8	8.6

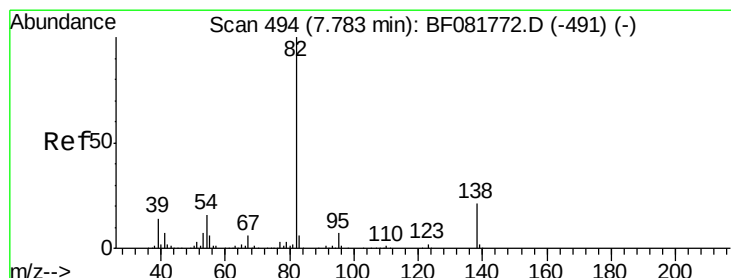
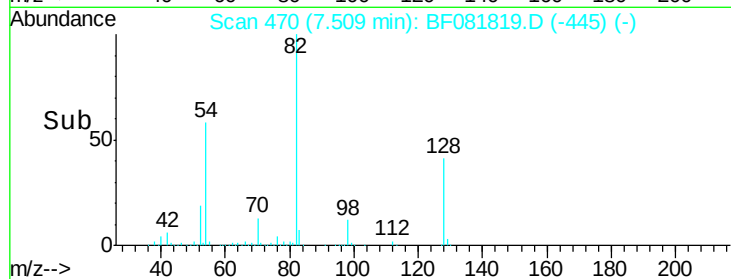
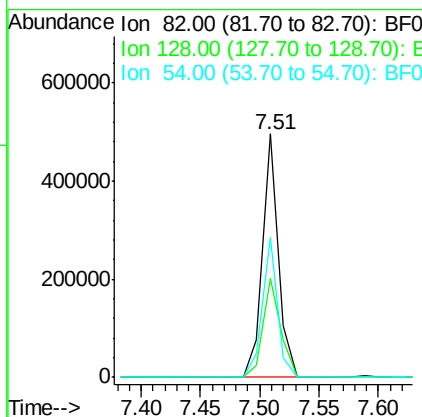
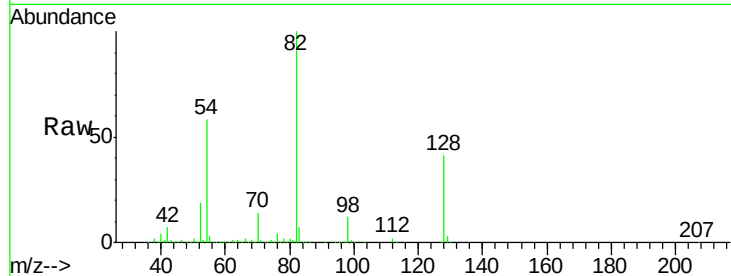




#23
 Nitrobenzene-d5
 Concen: 59.94 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

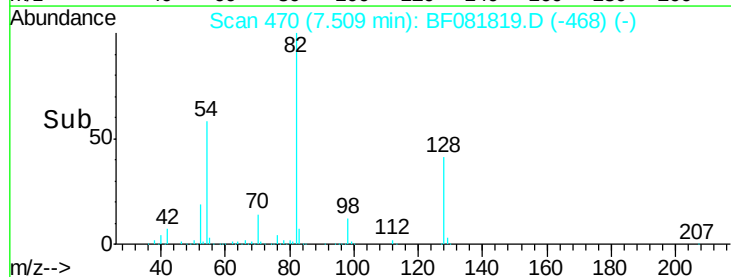
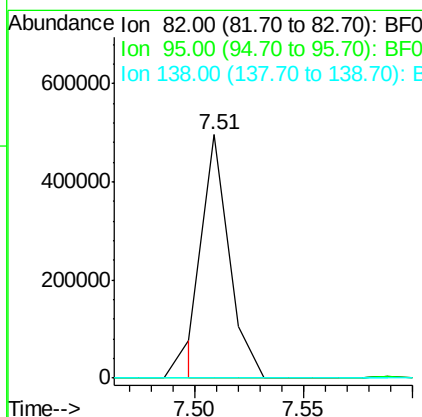
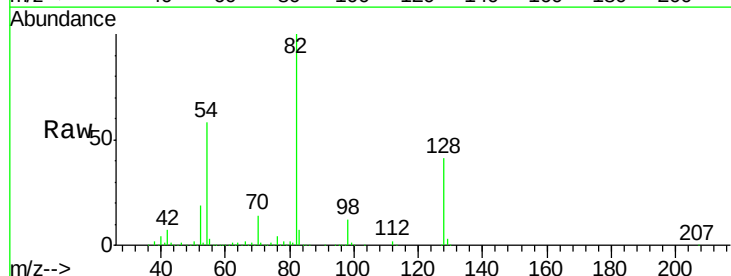
Instrument :
 BNA_F
 ClientSampleId :
 1509113666

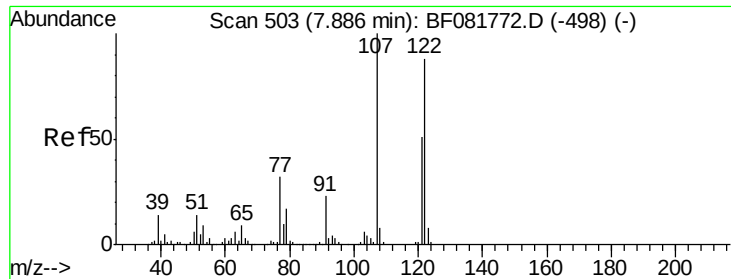
Tgt Ion: 82 Resp: 468693
 Ion Ratio Lower Upper
 82 100
 128 40.7 51.0 76.6#
 54 57.7 47.5 71.3



#25
 Isophorone
 Concen: 23.81 ng
 RT: 7.51 min Scan# 470
 Delta R.T. -0.27 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

Tgt Ion: 82 Resp: 412472
 Ion Ratio Lower Upper
 82 100
 95 0.2 4.0 6.0#
 138 0.0 18.3 27.5#

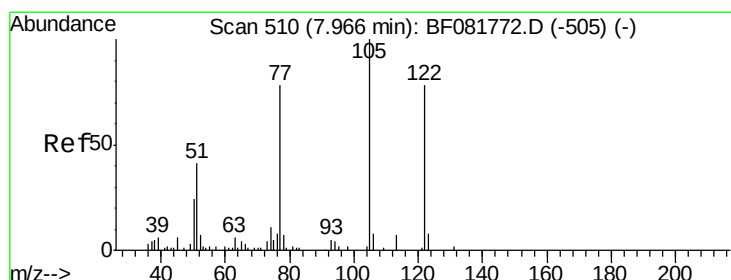
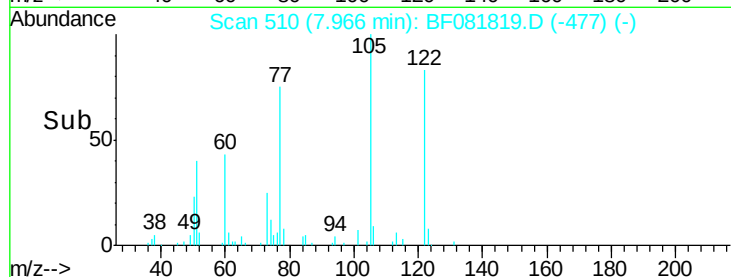
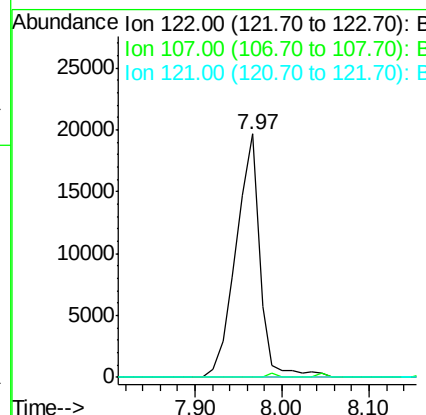
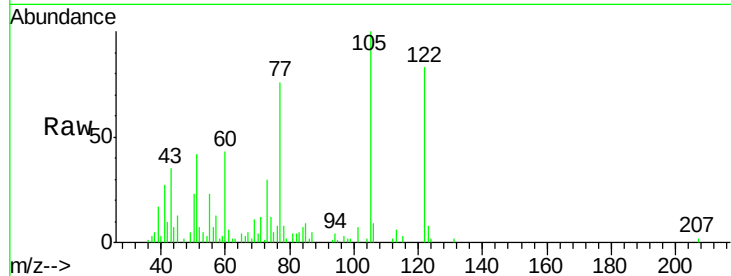




#27
 2,4-Dimethylphenol
 Concen: 4.80 ng
 RT: 7.97 min Scan# 510
 Delta R.T. 0.08 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

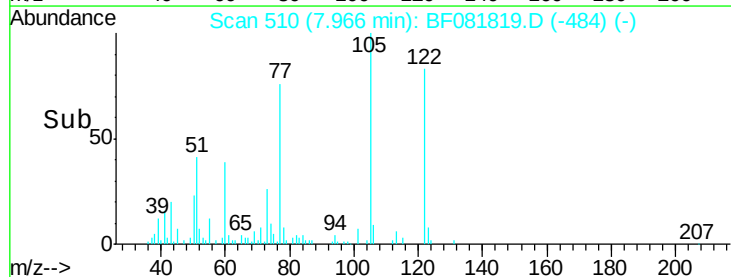
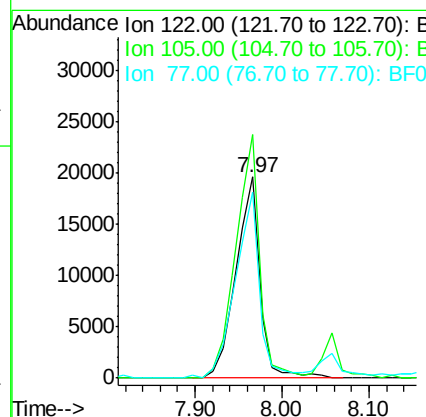
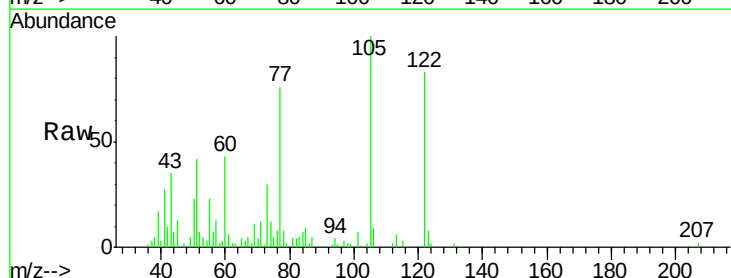
Instrument :
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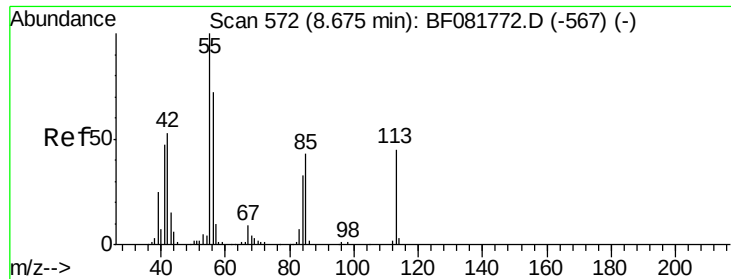
Tgt Ion:122 Resp: 37672
 Ion Ratio Lower Upper
 122 100
 107 0.0 71.8 107.6#
 121 0.0 42.3 63.5#



#32
 Benzoic acid
 Concen: 24.63 ng
 RT: 7.97 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

Tgt Ion:122 Resp: 37672
 Ion Ratio Lower Upper
 122 100
 105 121.0 76.1 116.1#
 77 92.6 40.5 80.5#

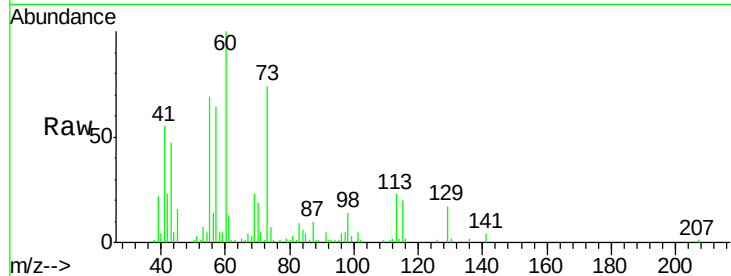




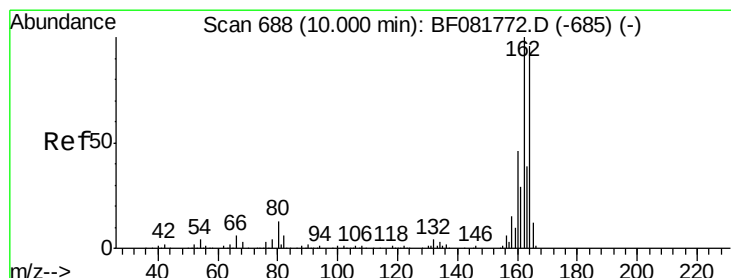
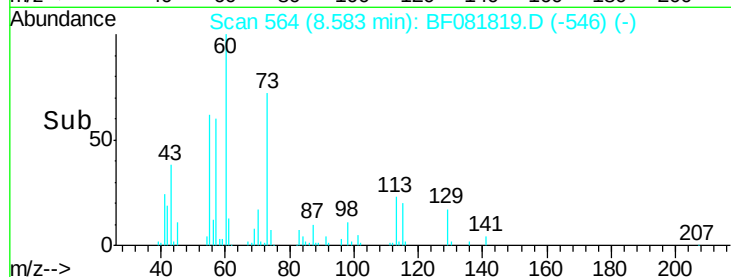
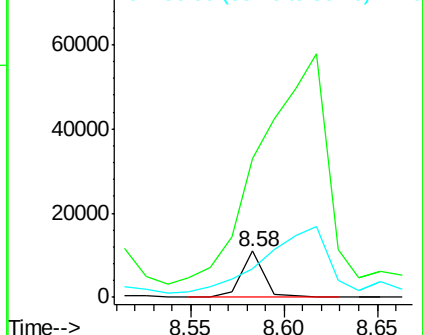
#35
 Caprolactam
 Concen: 4.65 ng
 RT: 8.58 min Scan# 564
 Delta R.T. -0.09 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

Instrument :
 BNA_F
 ClientSampleId :
 1509113666

Tgt Ion:113 Resp: 9093
 Ion Ratio Lower Upper
 113 100
 55 302.5 152.4 192.4#
 56 63.0 104.6 144.6#

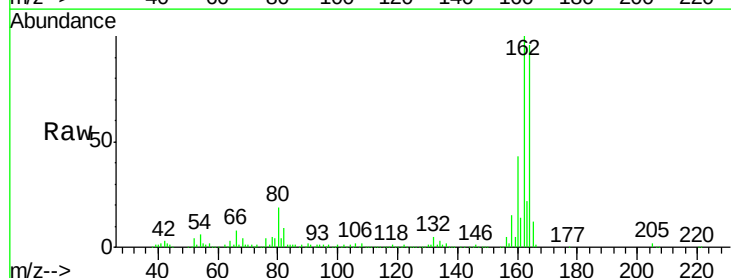


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF0
 Ion 56.00 (55.70 to 56.70): BF0

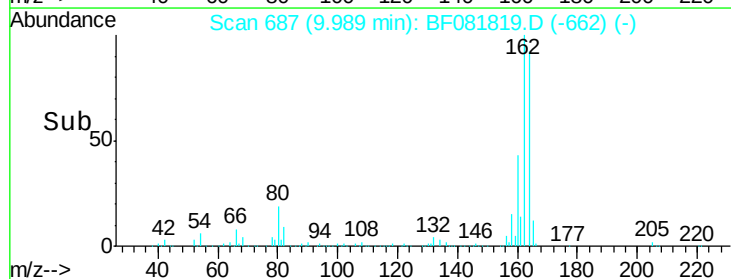
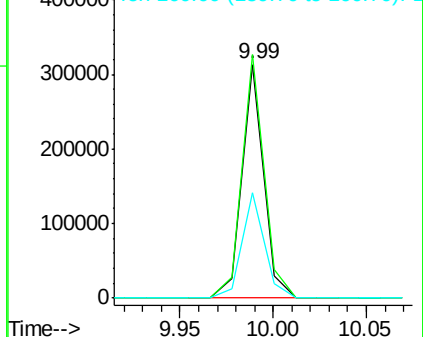


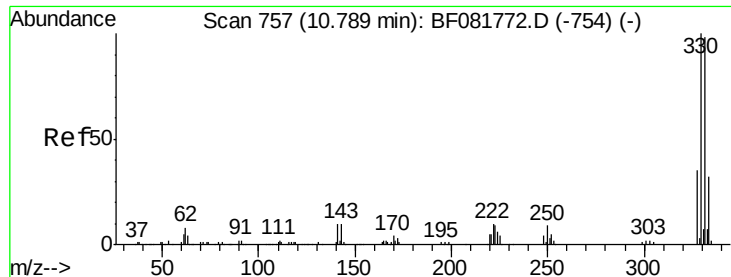
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.99 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

Tgt Ion:164 Resp: 253232
 Ion Ratio Lower Upper
 164 100
 162 104.3 75.2 112.8
 160 45.2 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

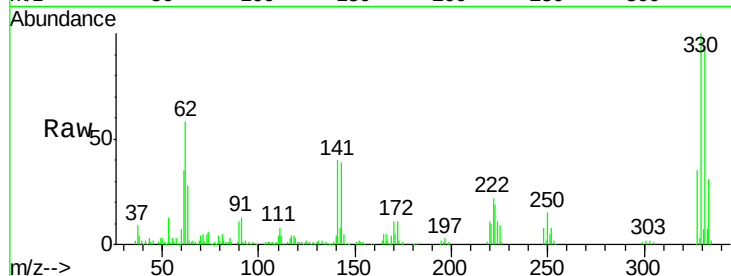




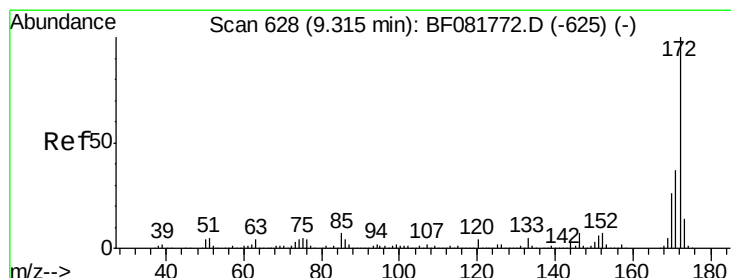
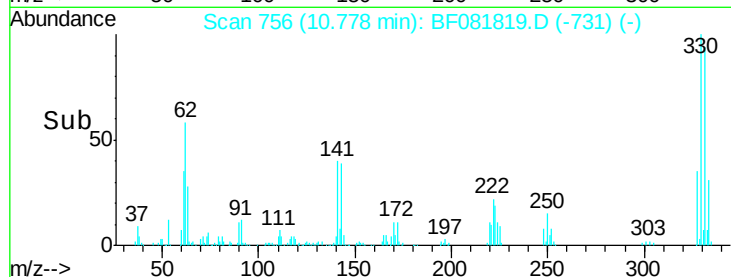
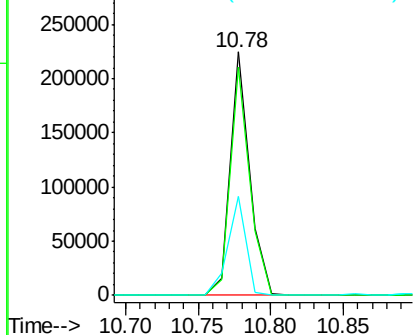
#41
 2,4,6-Tribromophenol
 Concen: 94.88 ng
 RT: 10.78 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

Instrument :
 BNA_F
 ClientSampleId :
 1509113666

Tgt Ion:330 Resp: 208604
 Ion Ratio Lower Upper
 330 100
 332 94.1 76.6 114.8
 141 37.7 29.7 44.5

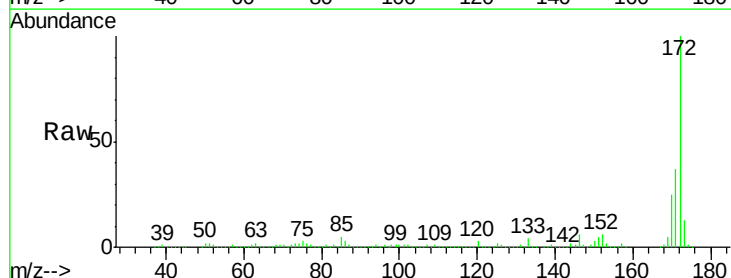


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

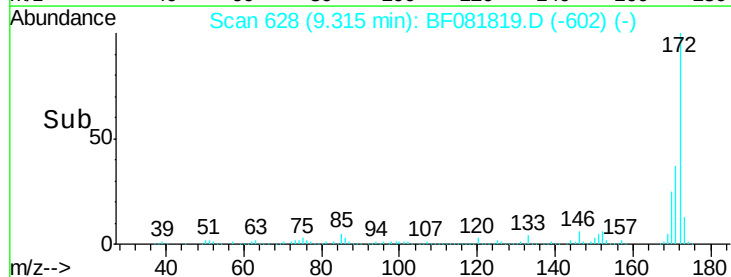
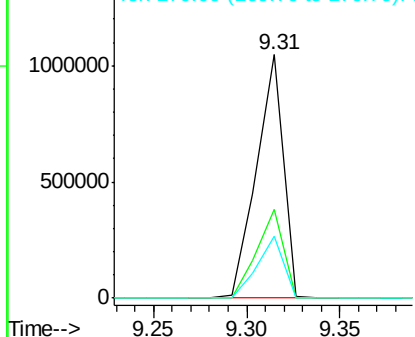


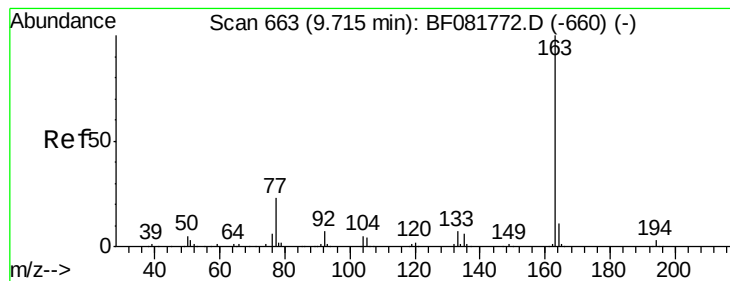
#44
 2-Fluorobiphenyl
 Concen: 67.23 ng
 RT: 9.31 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: BF081819.D
 Acq: 25 Sep 2015 23:28

Tgt Ion:172 Resp: 1037071
 Ion Ratio Lower Upper
 172 100
 171 36.7 26.1 39.1
 170 25.3 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: 4.68 ng

RT: 9.70 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

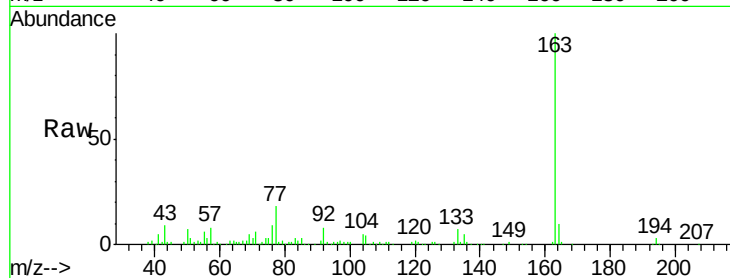
Instrument :

BNA_F

ClientSampleId :

1509113666

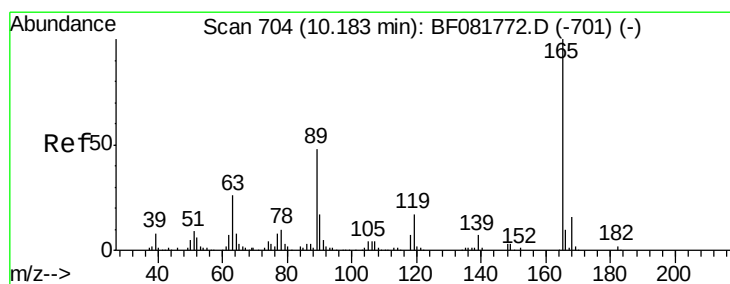
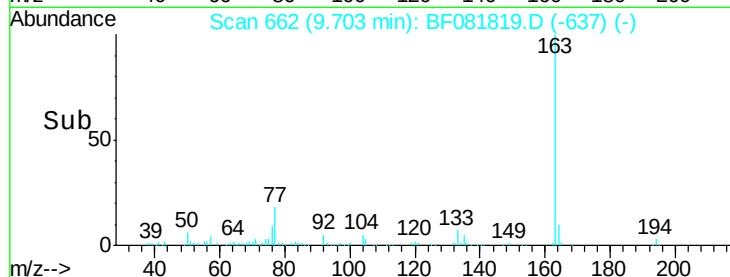
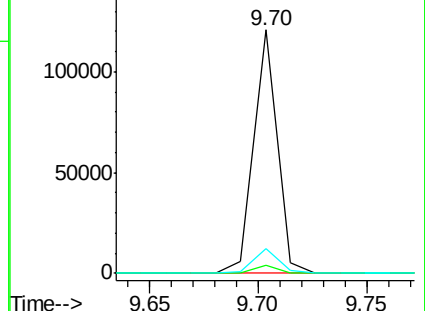
Tgt Ion:163	Resp:	90271
Ion Ratio	Lower	Upper
163	100	
194	3.3	4.4 6.6#
164	10.2	8.3 12.5



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: 2.16 ng

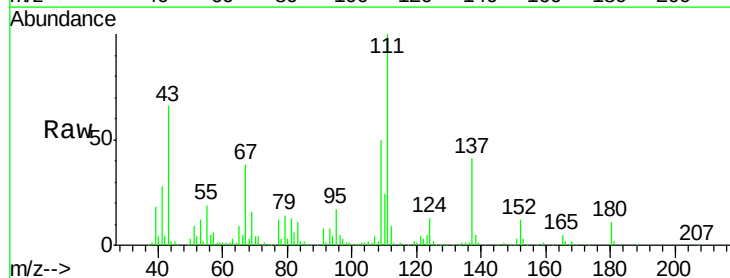
RT: 10.24 min Scan# 709

Delta R.T. 0.06 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

Tgt Ion:165	Resp:	9633
Ion Ratio	Lower	Upper
165	100	
63	55.8	29.8 44.6#
89	6.8	44.5 66.7#
182	0.0	3.0 4.4#

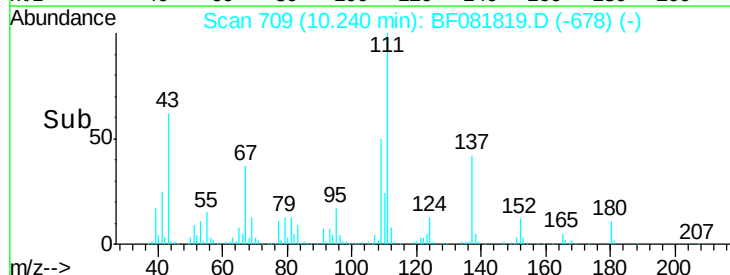
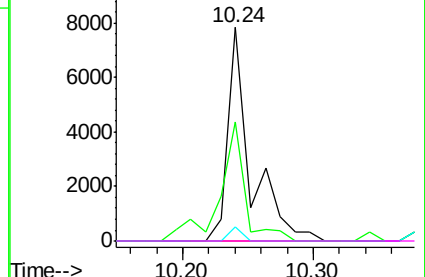


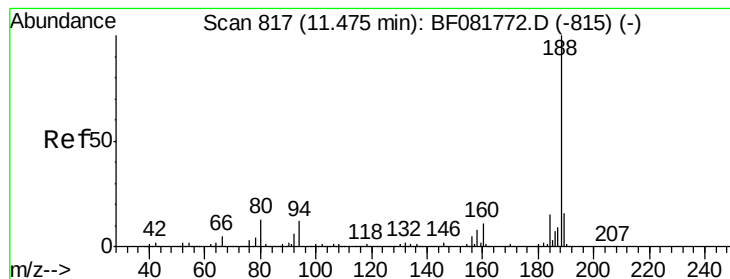
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.47 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

Instrument :

BNA_F

ClientSampleId :

1509113666

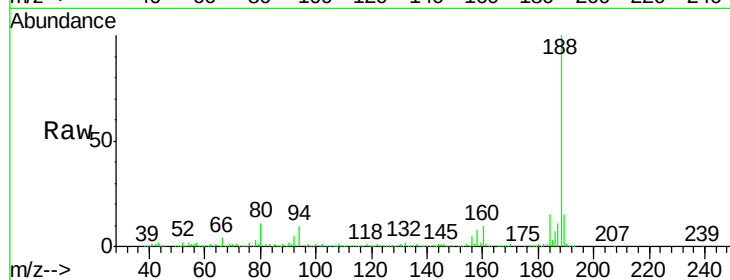
Tgt Ion:188 Resp: 429304

Ion Ratio Lower Upper

188 100

94 9.7 11.1 16.7#

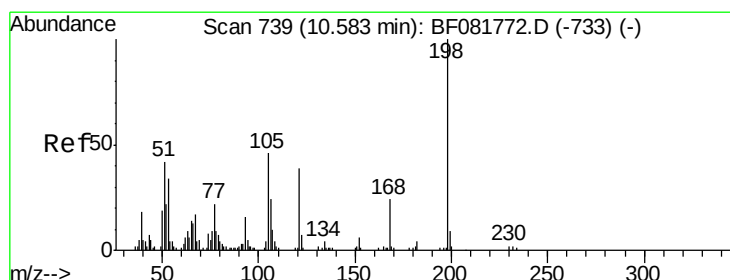
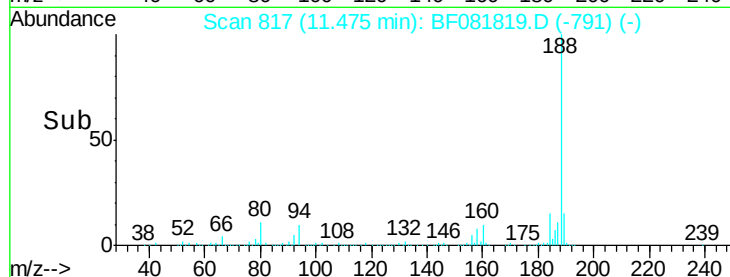
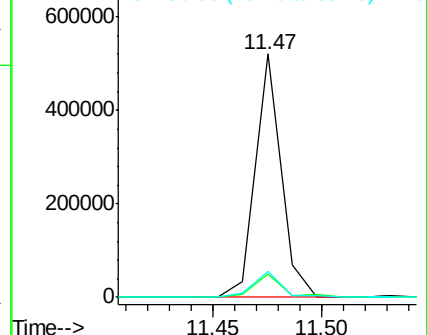
80 10.6 11.0 16.4#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.94 ng

RT: 10.78 min Scan# 756

Delta R.T. 0.19 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

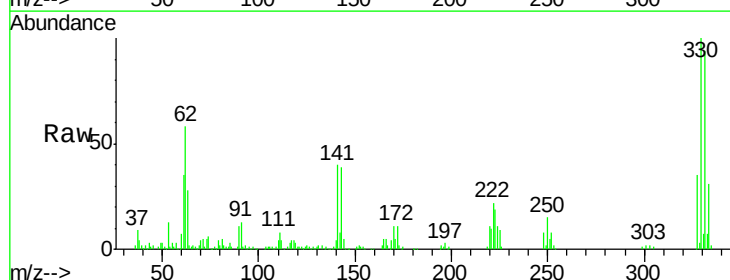
Tgt Ion:198 Resp: 940

Ion Ratio Lower Upper

198 100

51 236.2 39.6 79.6#

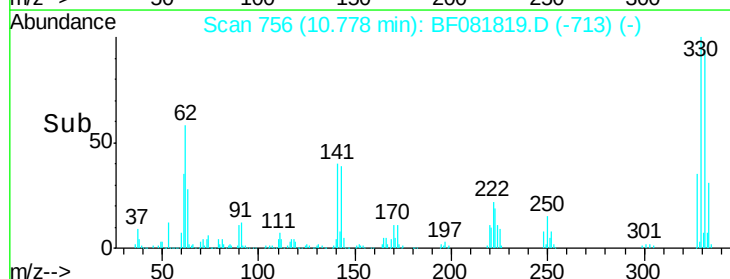
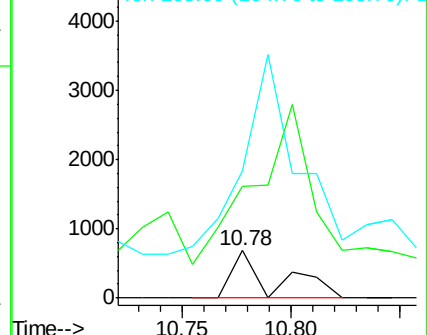
105 270.1 28.5 68.5#

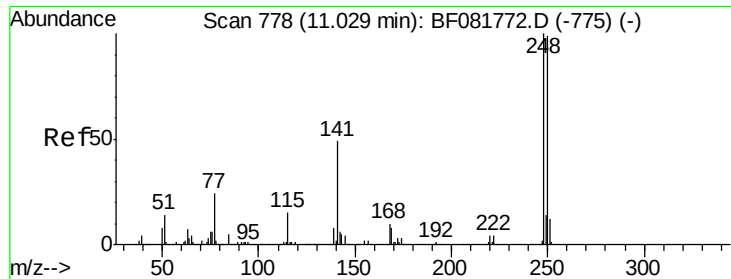


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 2.95 ng

RT: 10.78 min Scan# 756

Delta R.T. -0.25 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

Instrument :

BNA_F

ClientSampleId :

1509113666

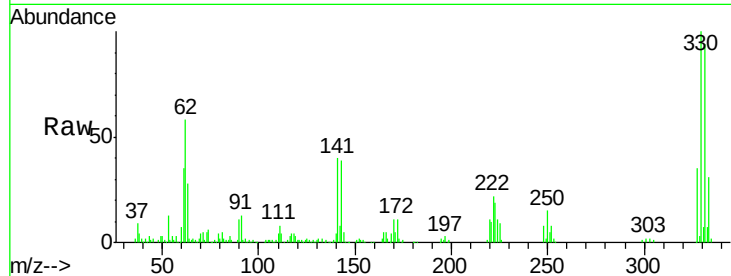
Tgt Ion:248 Resp: 14088

Ion Ratio Lower Upper

248 100

250 200.4 78.5 117.7#

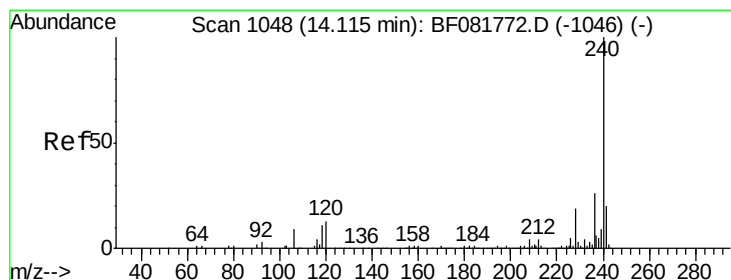
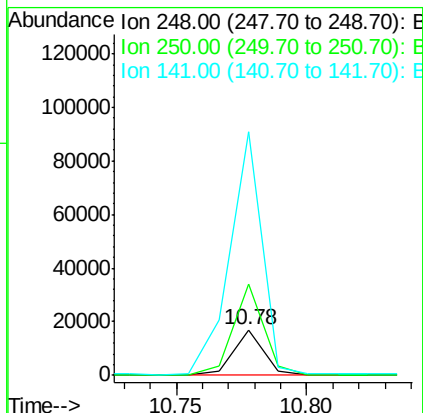
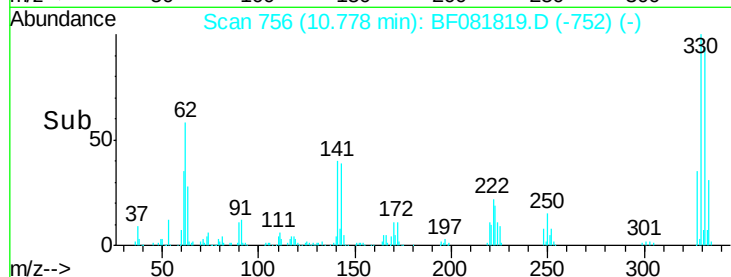
141 534.0 59.0 88.6#



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: 14.13 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

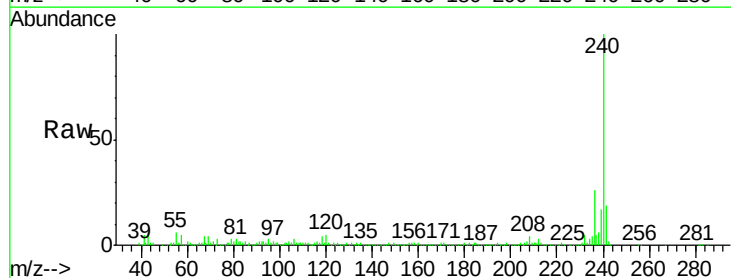
Tgt Ion:240 Resp: 354758

Ion Ratio Lower Upper

240 100

120 5.1 16.2 24.2#

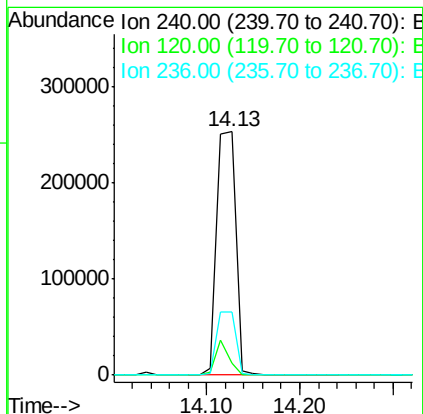
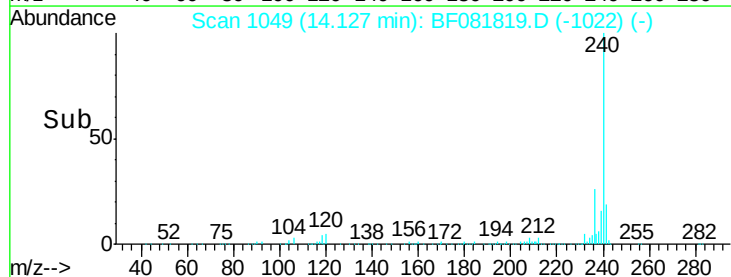
236 25.7 18.4 27.6

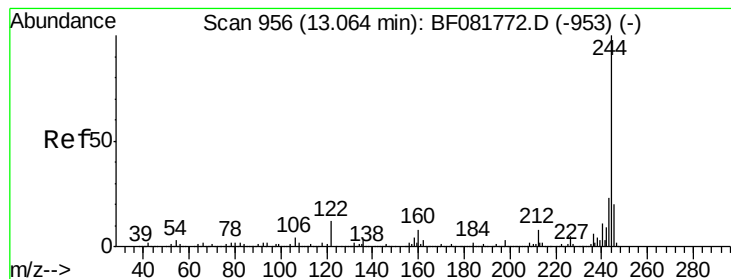


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 55.17 ng

RT: 13.08 min Scan# 957

Delta R.T. 0.01 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

Instrument :

BNA_F

ClientSampleId :

1509113666

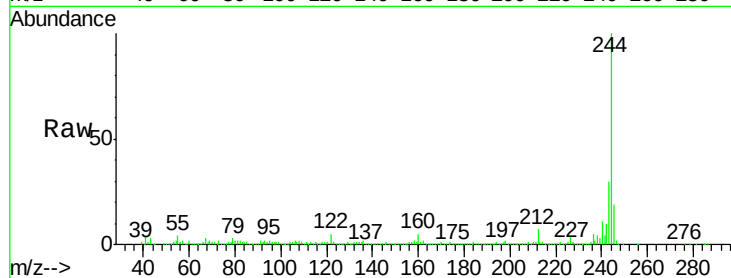
Tgt Ion:244 Resp: 856735

Ion Ratio Lower Upper

244 100

212 6.6 4.3 6.5#

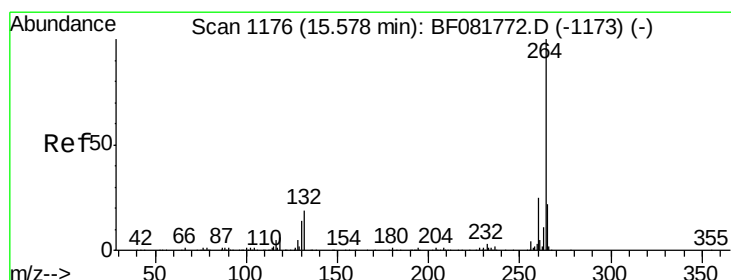
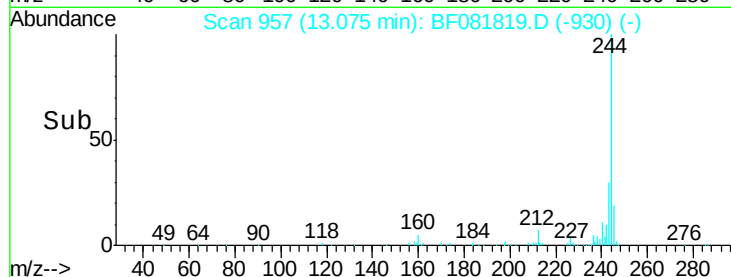
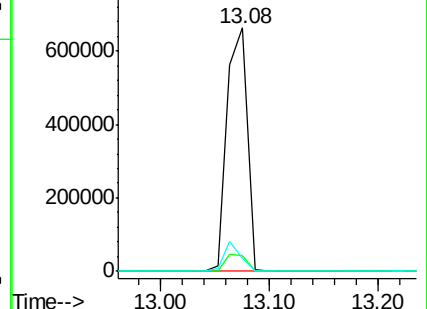
122 5.5 17.4 26.2#



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: 15.59 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BF081819.D

Acq: 25 Sep 2015 23:28

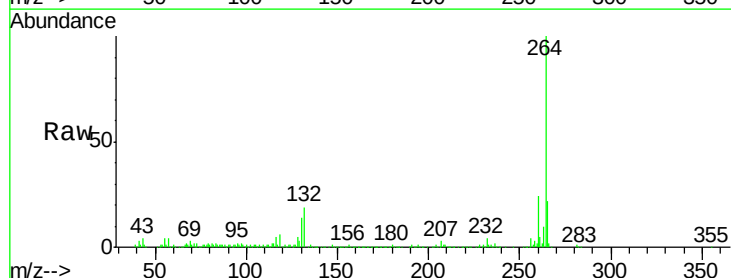
Tgt Ion:264 Resp: 339129

Ion Ratio Lower Upper

264 100

260 24.2 16.7 25.1

265 22.3 17.2 25.8



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

