

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084503.D
 Acq On : 15 Jan 2016 20:58
 Operator : SJ/UM
 Sample : H1147-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 01:36:36 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 01:26:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	237178	20.00	ng	0.01
21) Naphthalene-d8	8.11	136	921875	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	401189	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	650362	20.00	ng	0.00
75) Chrysene-d12	13.99	240	537106	20.00	ng	0.00
86) Perylene-d12	15.40	264	533390	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	935591	63.80	ng	0.00
7) Phenol-d6	6.48	99	738717	40.11	ng	0.01
23) Nitrobenzene-d5	7.40	82	1580050	95.39	ng	0.01
41) 2,4,6-Tribromophenol	10.66	330	608455	150.22	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	2662571	119.30	ng	0.00
78) Terphenyl-d14	12.93	244	1876305	77.98	ng	0.00

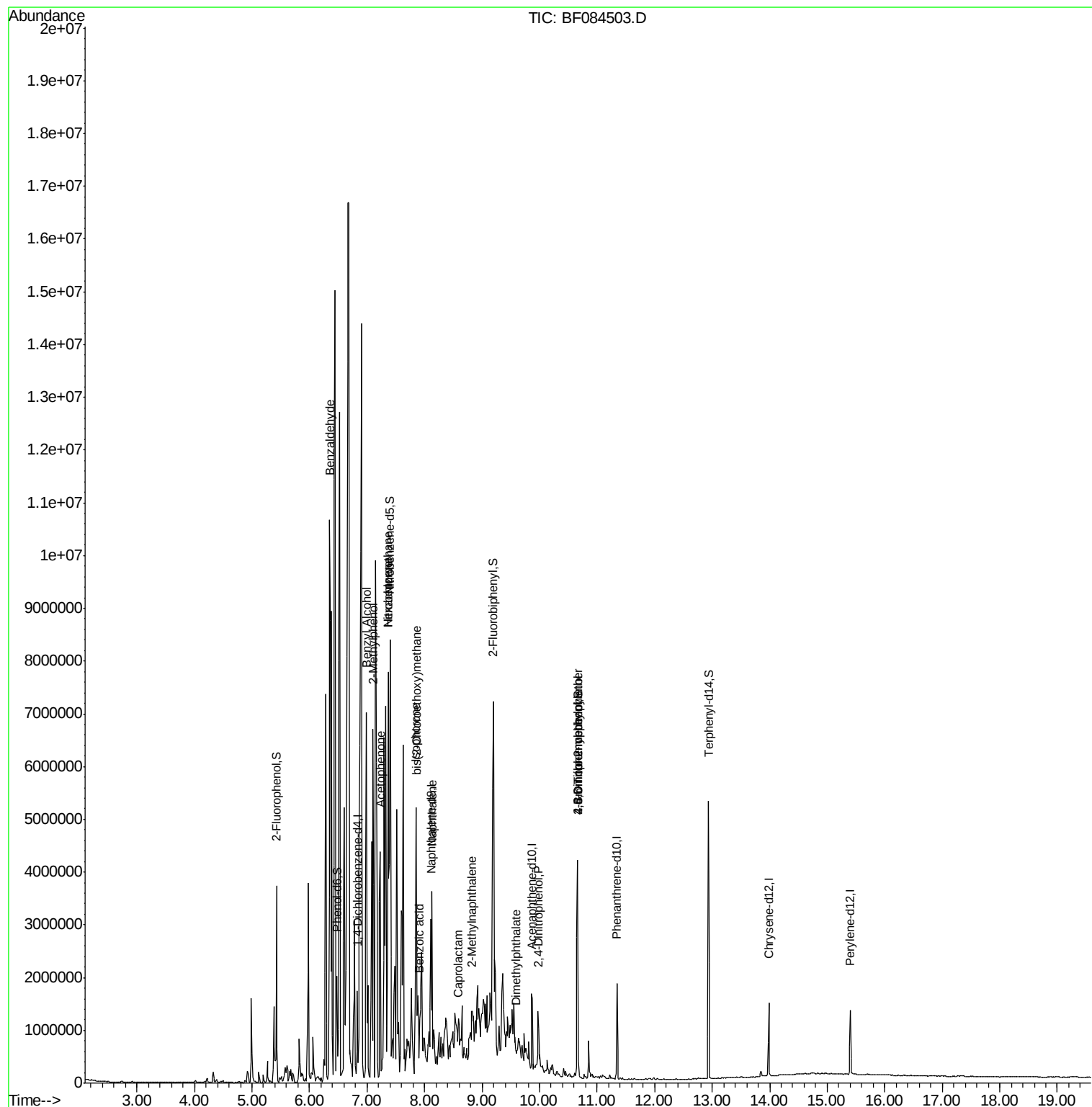
Target Compounds						Qvalue
9) Benzaldehyde	6.35	77	1173840	97.89	ng	# 1
15) Benzyl Alcohol	6.99	79	43262	2.79	ng	# 5
17) 2-Methylphenol	7.10	107	31700	2.27	ng	# 1
18) Hexachloroethane	7.37	117	784115	113.94	ng	# 1
22) Acetophenone	7.23	105	2146374	96.82	ng	# 55
24) Nitrobenzene	7.37	77	257041	15.30	ng	# 16
25) Isophorone	7.85	82	106558	3.36	ng	# 29
28) bis(2-Chloroethoxy)methane	7.86	93	39182	2.02	ng	# 40
31) Naphthalene	8.13	128	1134856	27.13	ng	# 99
32) Benzoic acid	7.92	122	17208	7.75	ng	# 1
35) Caprolactam	8.58	113	9868	2.27	ng	# 1
37) 2-Methylnaphthalene	8.82	142	122375	4.08	ng	# 97
49) Dimethylphthalate	9.58	163	57543	2.01	ng	# 67
53) 2,4-Dinitrophenol	9.97	184	223	3.64	ng	# 1
54) Dibenzofuran	10.06	168	1230	Below	Cal	# 1
57) Fluorene	10.41	166	1391	Below	Cal	# 45
64) 4,6-Dinitro-2-methylphenol	10.66	198	1368	6.68	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	40966	5.85	ng	# 1
73) Di-n-butylphthalate	11.92	149	4304	Below	Cal	# 74

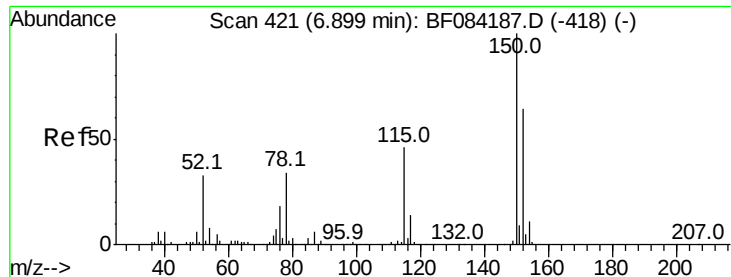
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
Data File : BF084503.D
Acq On : 15 Jan 2016 20:58
Operator : SJ/UM
Sample : H1147-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 16 01:36:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 16 01:26:38 2016
Response via : Initial Calibration



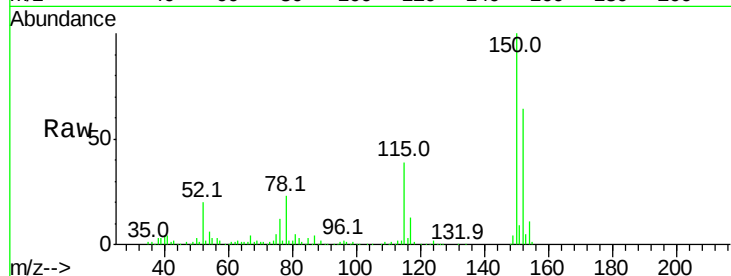


#1

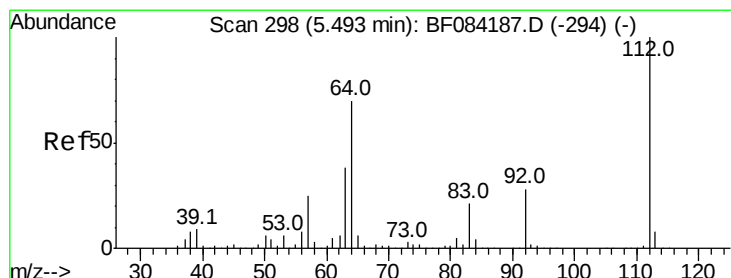
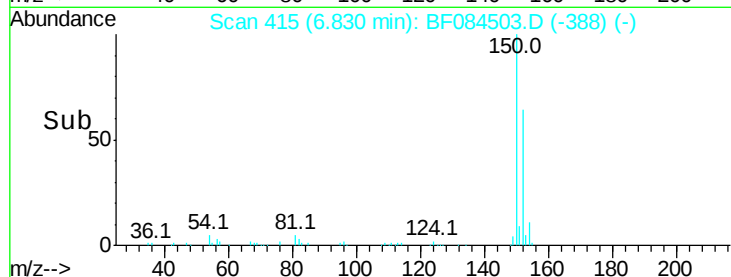
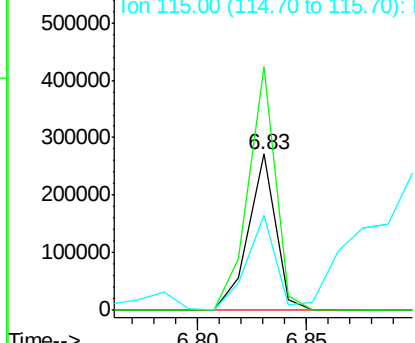
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.01 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 237178
Ion Ratio Lower Upper
152 100
150 155.9 123.0 184.4
115 61.1 51.4 77.2



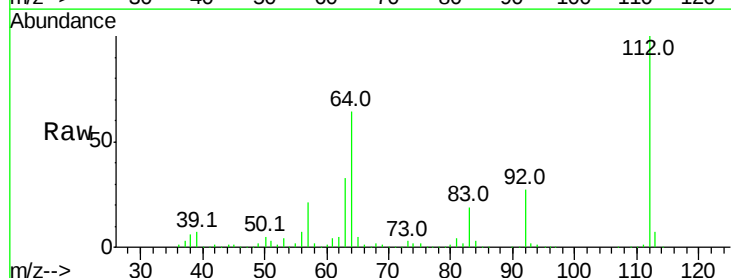
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



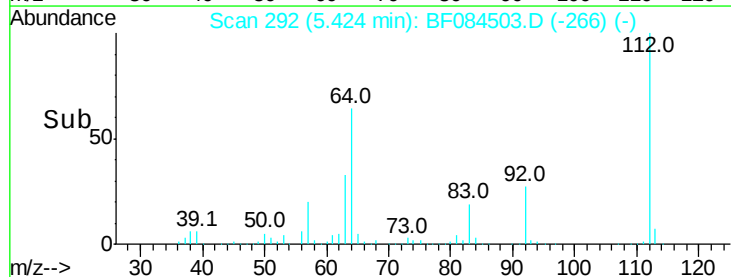
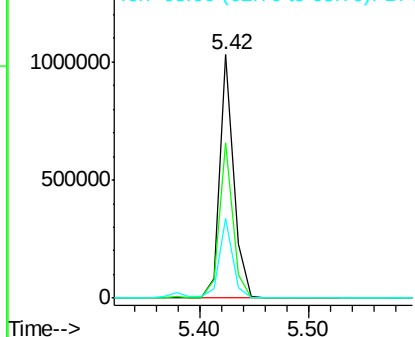
#5

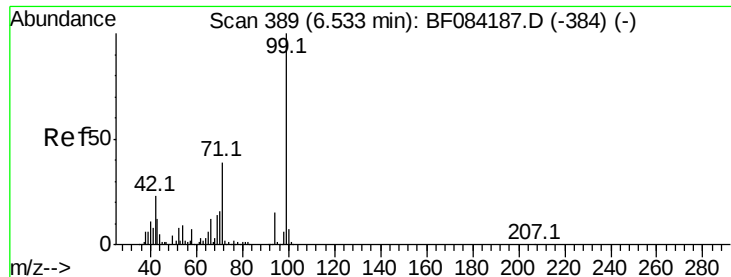
2-Fluorophenol
Concen: 63.80 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.00 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Tgt Ion:112 Resp: 935591
Ion Ratio Lower Upper
112 100
64 63.8 36.6 55.0#
63 32.7 19.4 29.0#



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: 40.11 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

Instrument :

BNA_F

ClientSampleId :

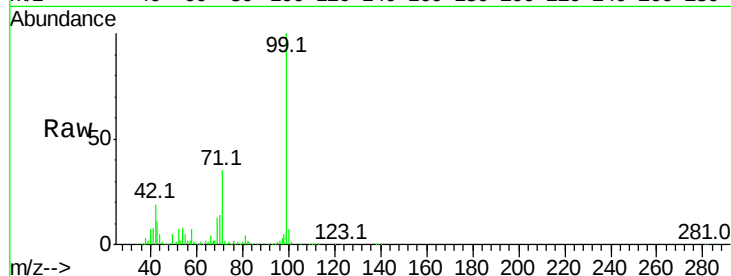
Tot Ion: 99 Resp: 738717

Ion Ratio Lower Upper

99 100

42 19.3 12.8 19.2#

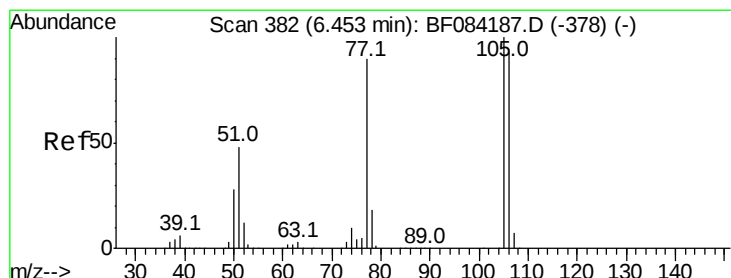
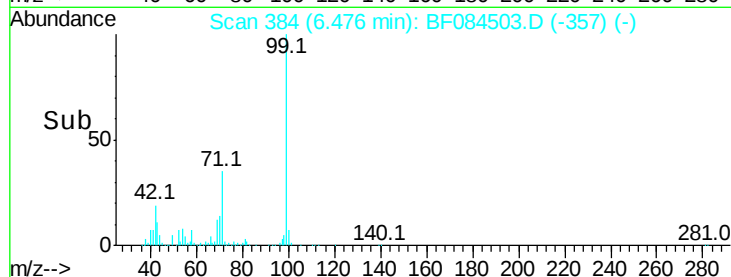
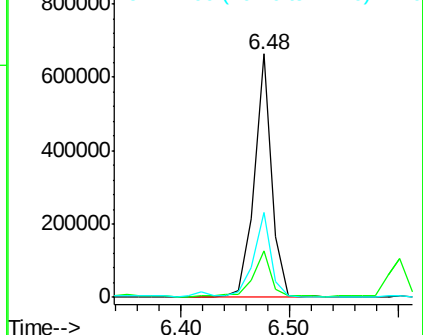
71 34.7 30.9 46.3



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: 97.89 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

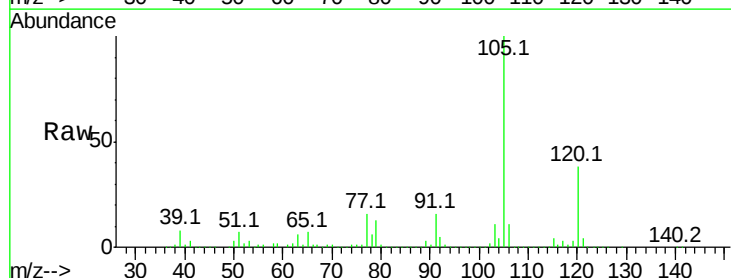
Tgt Ion: 77 Resp: 1173840

Ion Ratio Lower Upper

77 100

105 635.1 83.0 123.0#

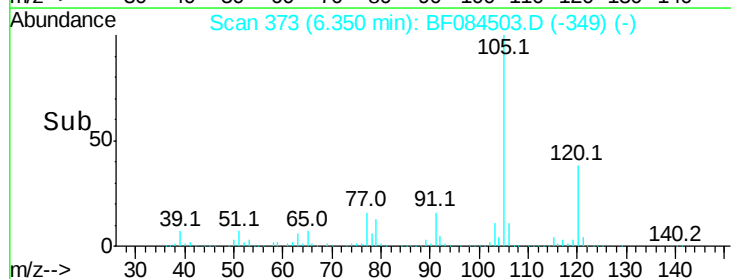
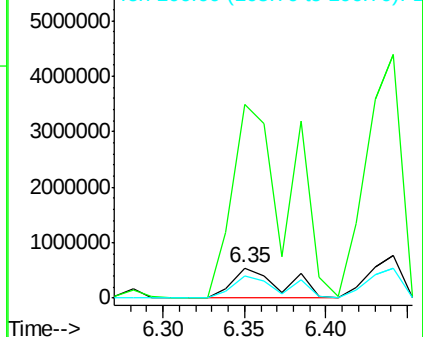
106 72.9 74.6 114.6#

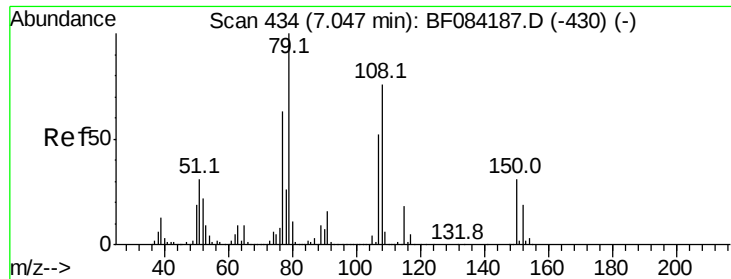


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.79 ng

RT: 6.99 min Scan# 429

Delta R.T. 0.02 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

Instrument :

BNA_F

ClientSampleId :

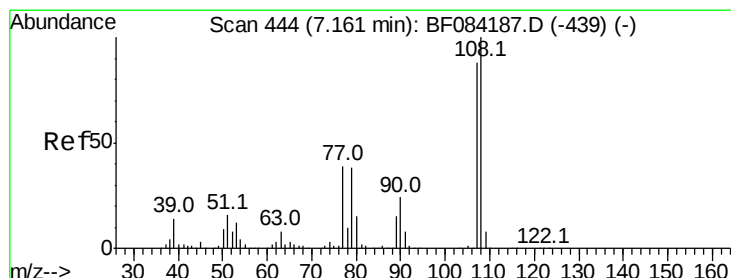
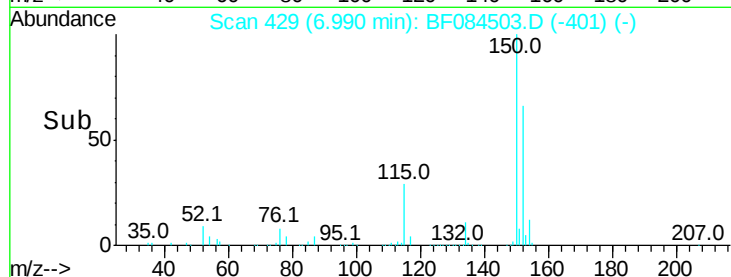
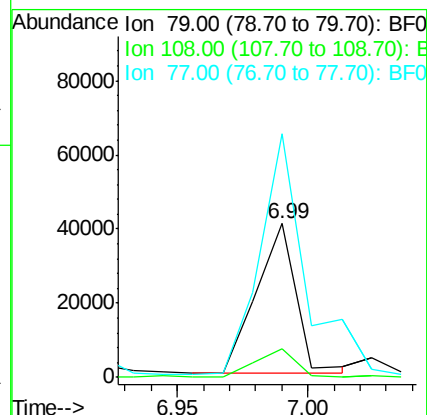
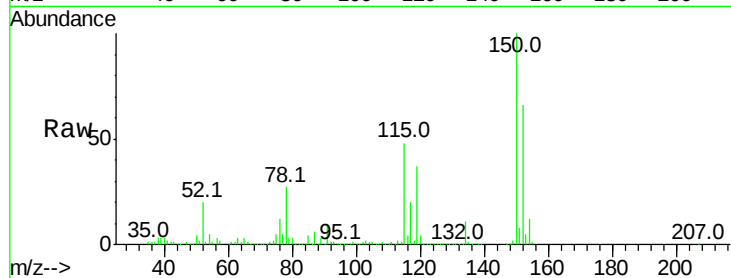
Tot Ion: 79 Resp: 43262

Ion Ratio Lower Upper

79 100

108 18.2 69.0 103.4#

77 158.5 50.0 75.0#



#17

2-Methylphenol

Concen: 2.27 ng

RT: 7.10 min Scan# 439

Delta R.T. 0.01 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

Tgt Ion: 107 Resp: 31700

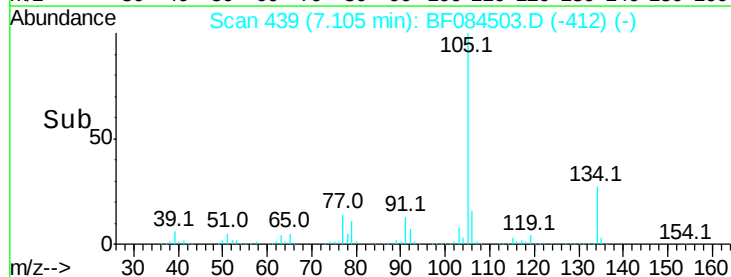
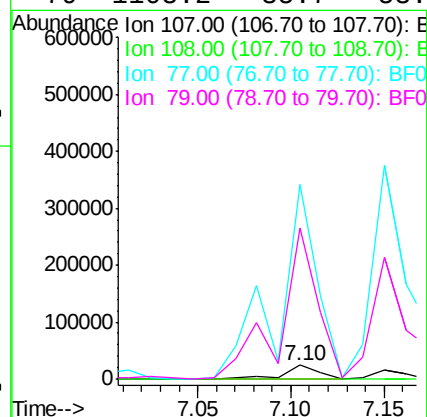
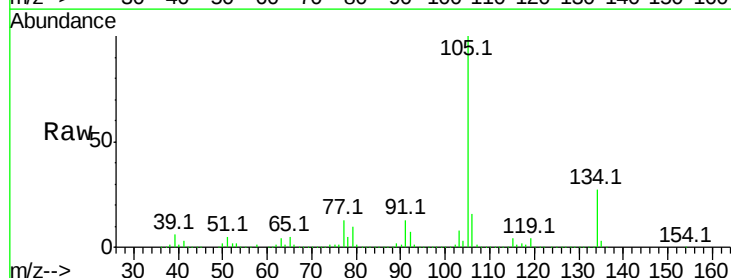
Ion Ratio Lower Upper

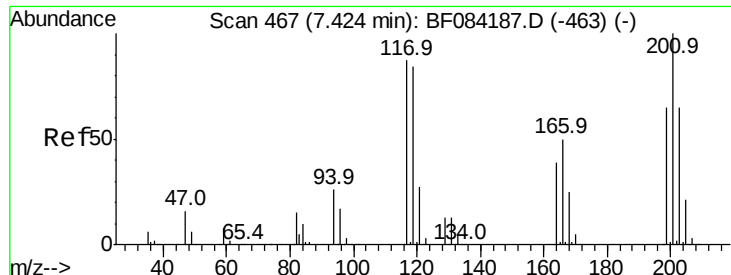
107 100

108 4.4 89.8 134.6#

77 1423.6 35.7 53.5#

79 1108.2 35.7 53.5#

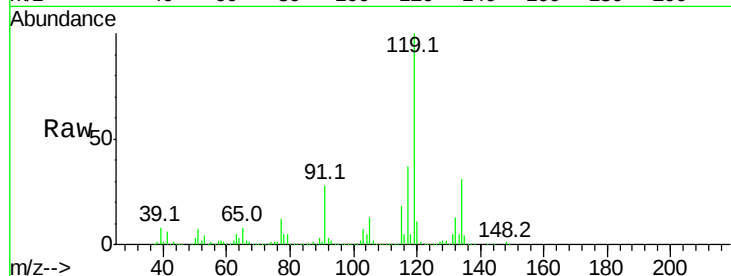




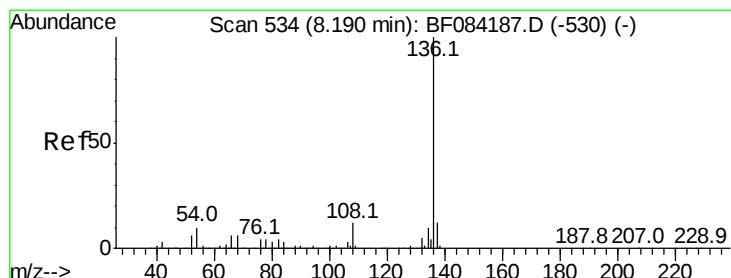
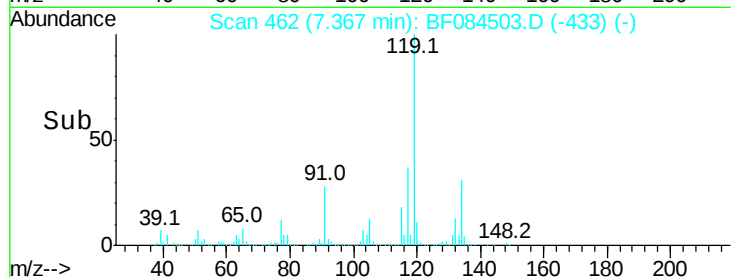
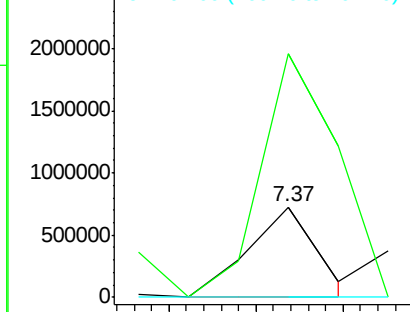
#18
Hexachloroethane
Concen: 113.94 ng
RT: 7.37 min Scan# 462
Delta R.T. 0.03 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:117 Resp: 784115
Ion Ratio Lower Upper
117 100
119 270.2 77.4 116.0#
201 0.0 68.6 103.0#

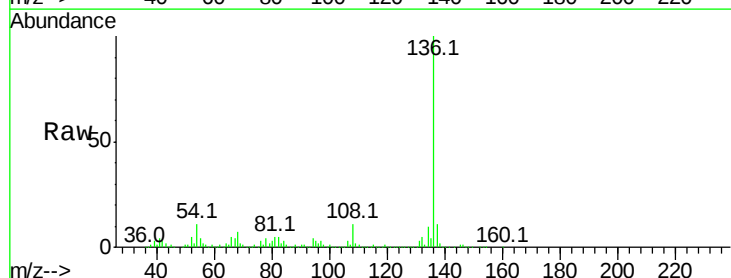


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

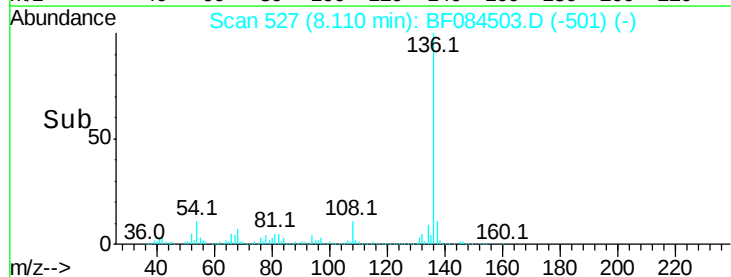
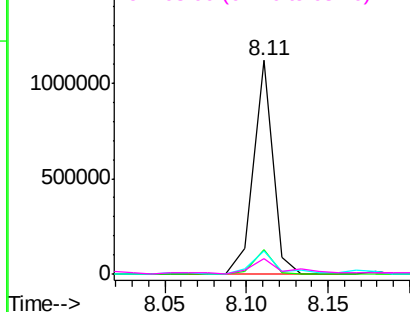


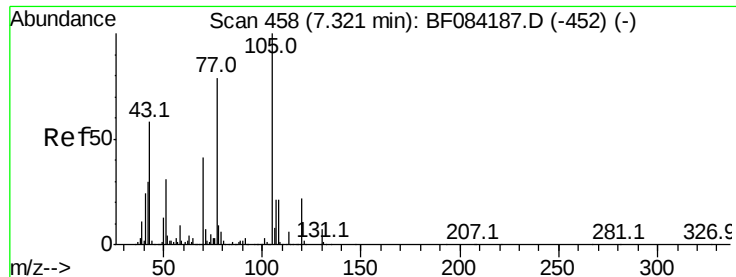
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Tgt Ion:136 Resp: 921875
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 10.7 5.8 8.8#
68 7.3 4.2 6.2#



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: 96.82 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 2146374

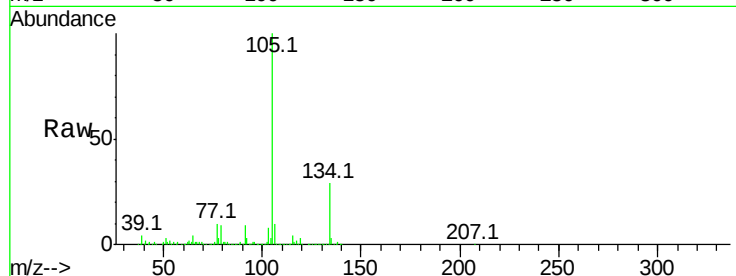
Ion Ratio Lower Upper

105 100

71 0.2 3.7 5.5#

51 3.4 25.1 37.7#

120 0.3 16.6 25.0#

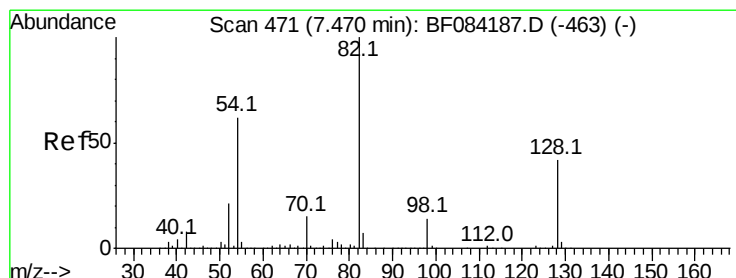
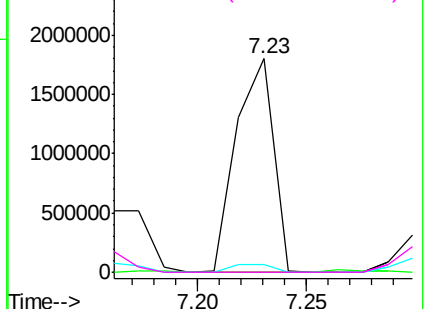
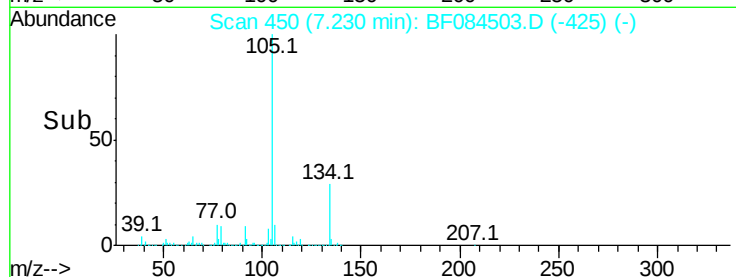


Abundance Ion 105.00 (104.70 to 105.70): E

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: 95.39 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.01 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

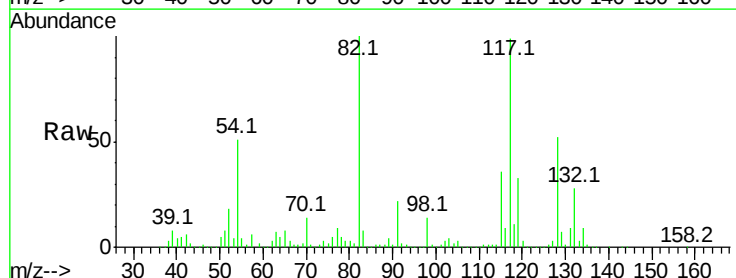
Tgt Ion: 82 Resp: 1580050

Ion Ratio Lower Upper

82 100

128 51.9 34.6 51.8#

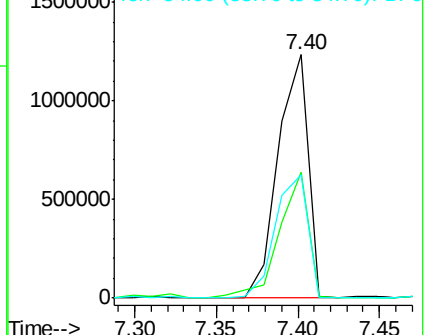
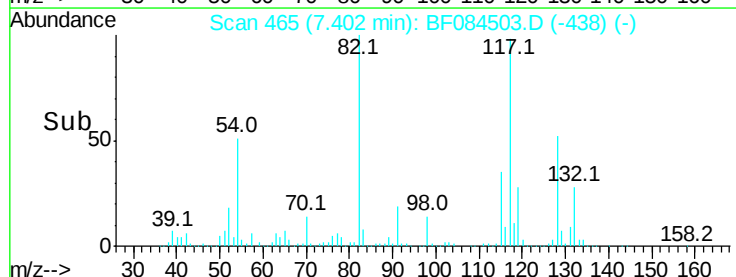
54 50.9 38.4 57.6

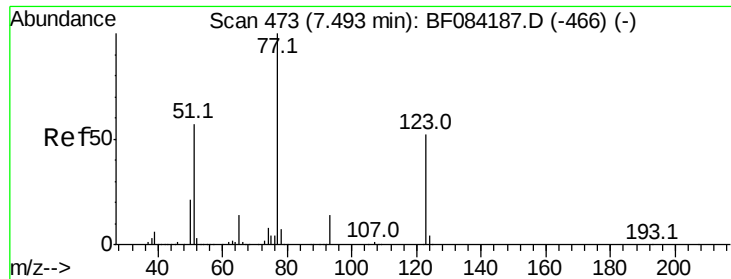


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

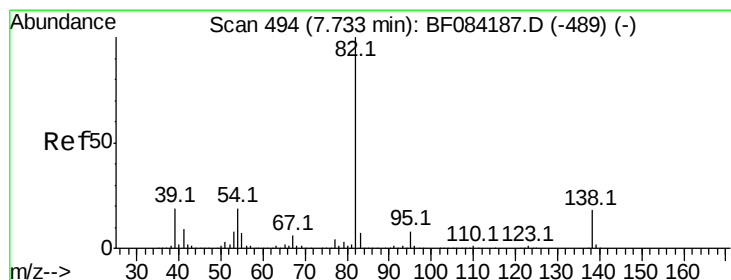
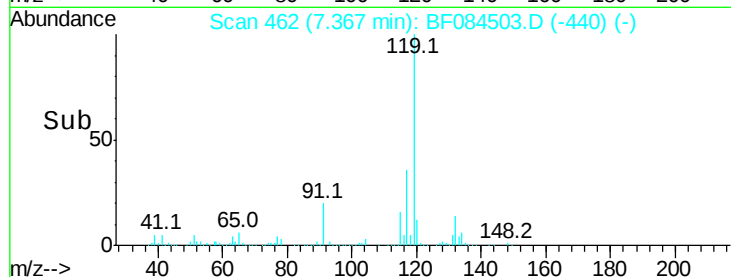
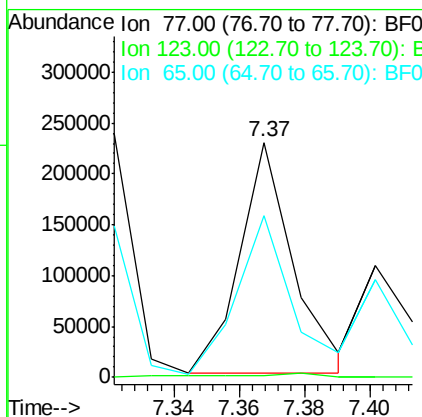
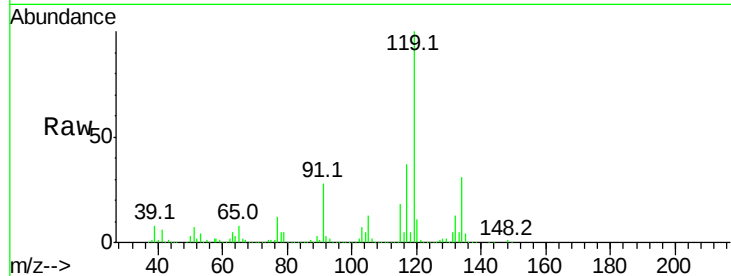




#24
Nitrobenzene
Concen: 15.30 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.05 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

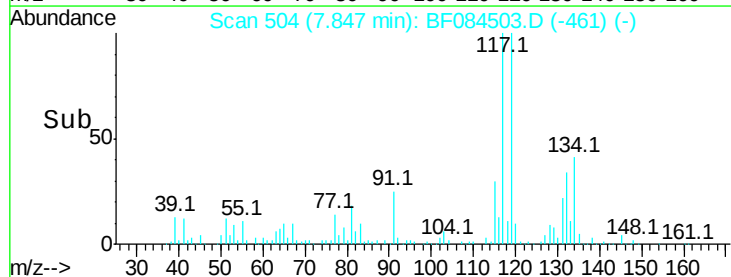
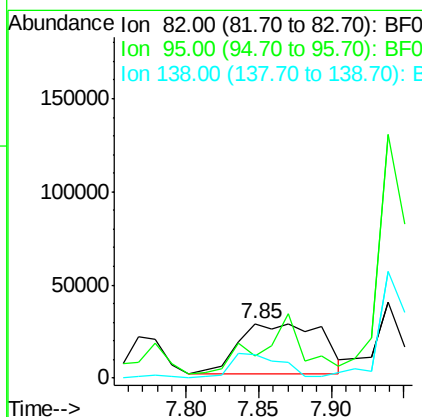
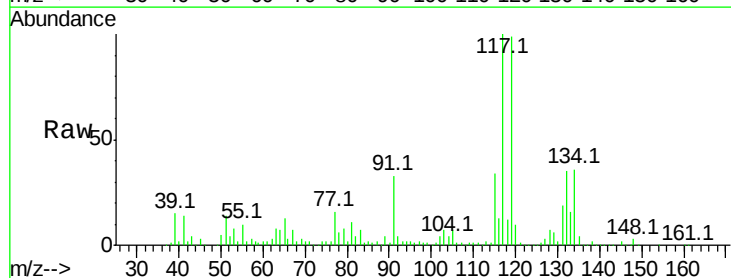
Instrument :
BNA_F
ClientSampled :

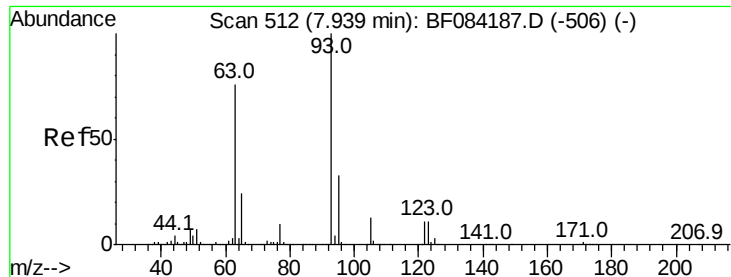
Tot Ion: 77 Resp: 257041
Ion Ratio Lower Upper
77 100
123 0.6 37.4 56.2#
65 68.6 10.9 16.3#



#25
Isophorone
Concen: 3.36 ng
RT: 7.85 min Scan# 504
Delta R.T. 0.19 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Tgt Ion: 82 Resp: 106558
Ion Ratio Lower Upper
82 100
95 40.2 6.6 10.0#
138 44.0 13.6 20.4#





#28

bis(2-Chloroethoxy)methane

Concen: 2.02 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.01 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

Instrument :

BNA_F

ClientSampled :

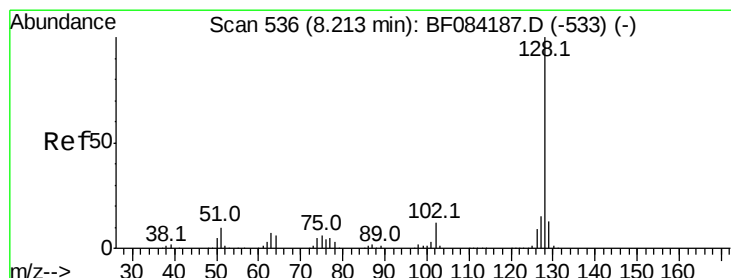
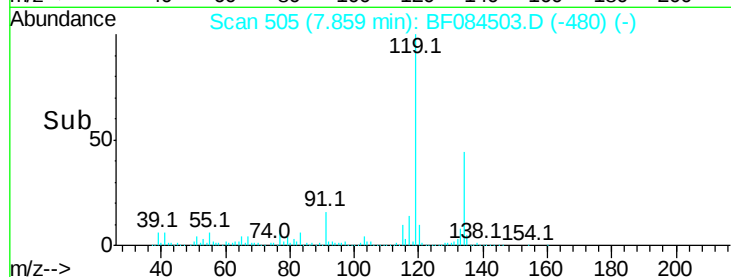
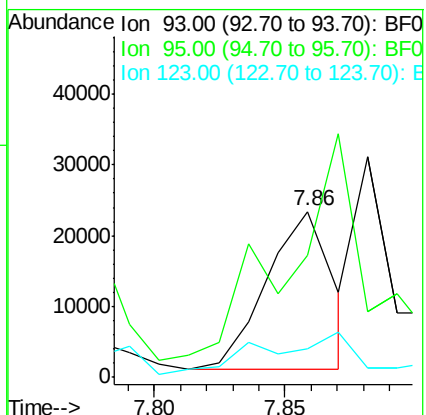
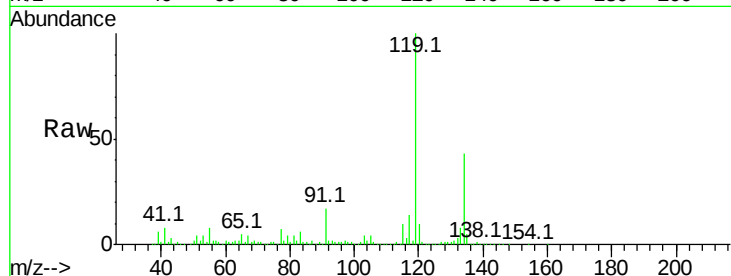
Tot Ion: 93 Resp: 39182

Ion Ratio Lower Upper

93 100

95 73.7 25.8 38.6#

123 17.5 8.6 12.8#



#31

Naphthalene

Concen: 27.13 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

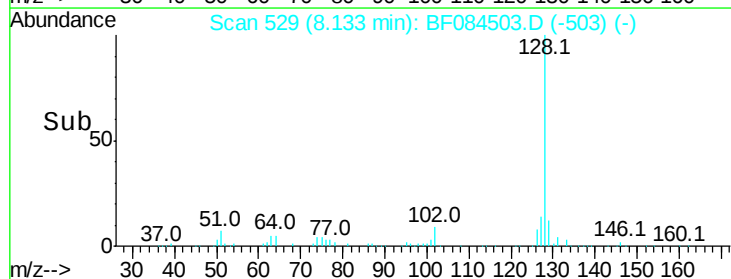
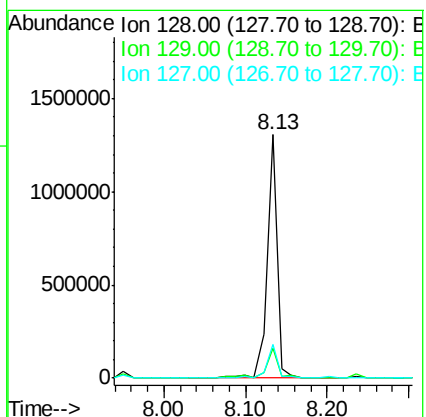
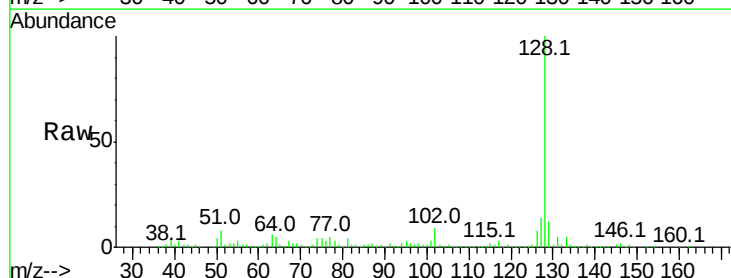
Tgt Ion: 128 Resp: 1134856

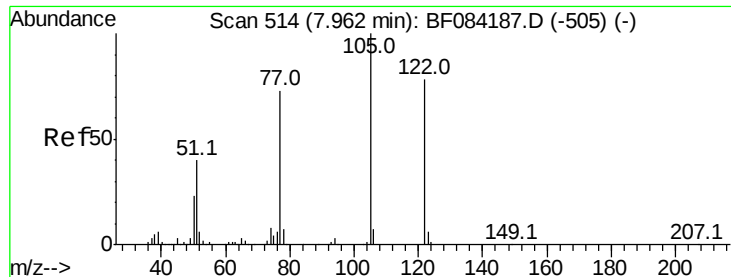
Ion Ratio Lower Upper

128 100

129 12.2 9.1 13.7

127 13.9 11.1 16.7

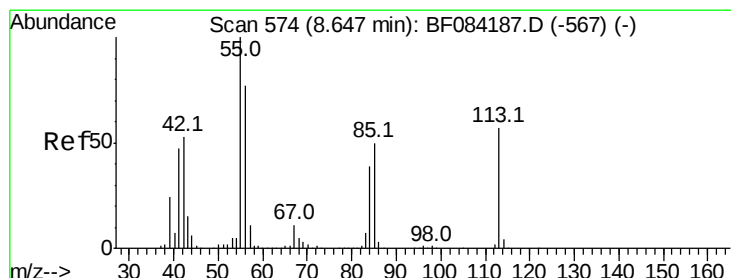
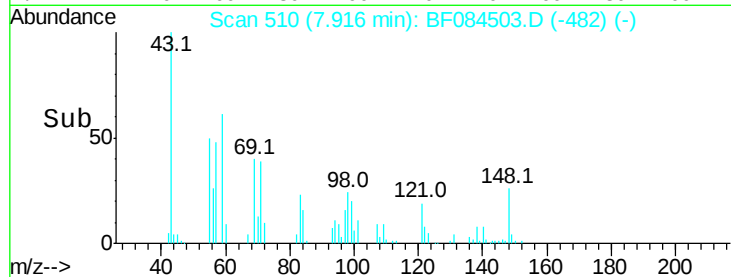
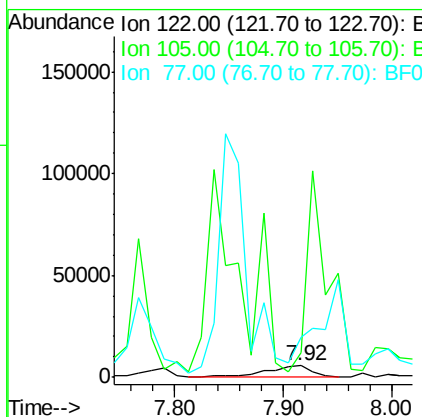
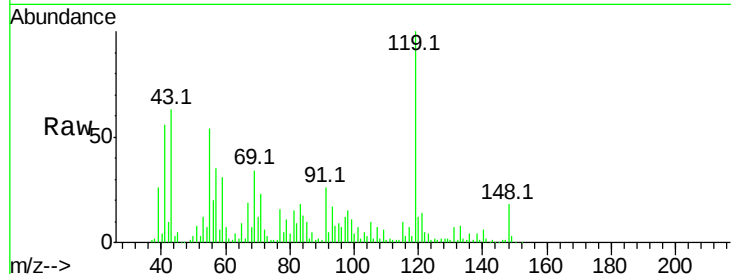




#32
Benzoic acid
Concen: 7.75 ng
RT: 7.92 min Scan# 510
Delta R.T. 0.02 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

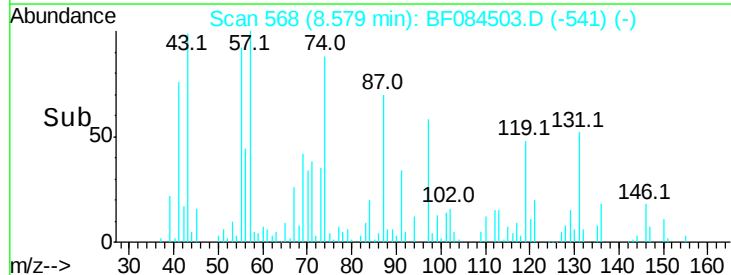
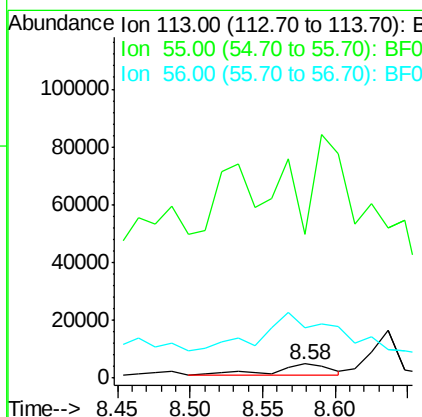
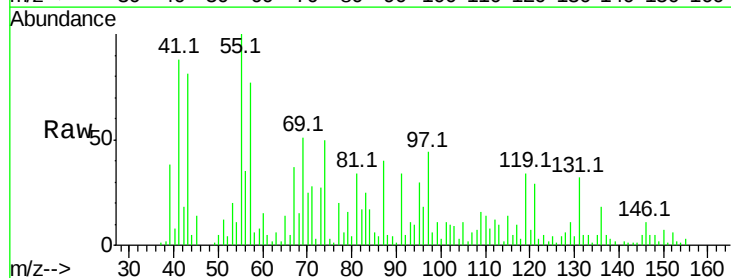
Instrument :
BNA_F
ClientSampleId :

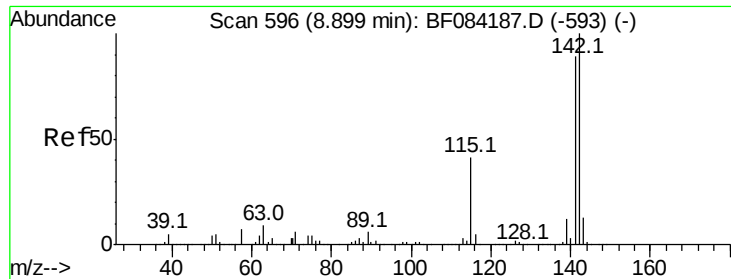
Tot Ion:122 Resp: 17208
Ion Ratio Lower Upper
122 100
105 212.0 100.3 140.3#
77 353.2 63.5 103.5#



#35
Caprolactam
Concen: 2.27 ng
RT: 8.58 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Tgt Ion:113 Resp: 9868
Ion Ratio Lower Upper
113 100
55 1006.2 116.9 156.9#
56 351.7 93.8 133.8#

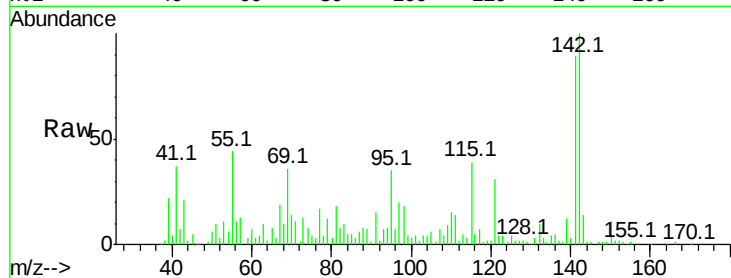




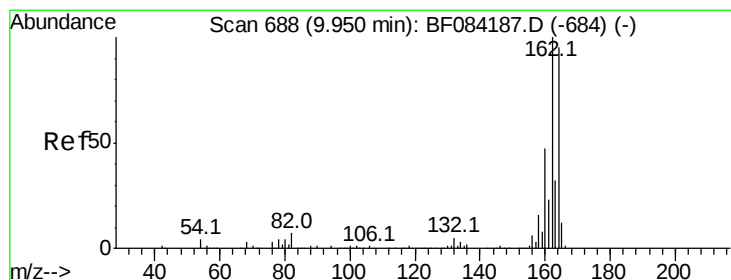
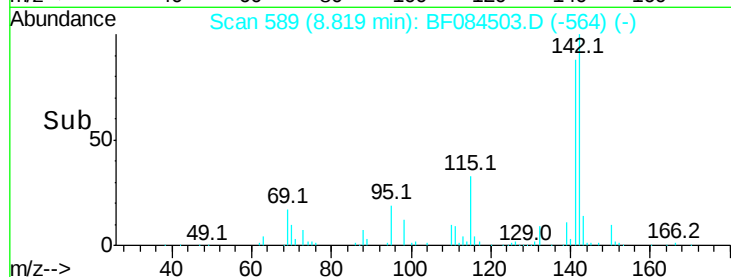
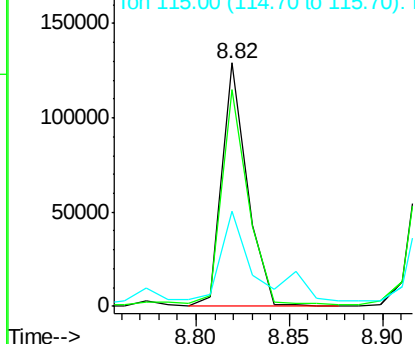
#37
2-Methylnaphthalene
Concen: 4.08 ng
RT: 8.82 min Scan# 589
Delta R.T. -0.01 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.4	108.6
115	39.0	27.9	41.9

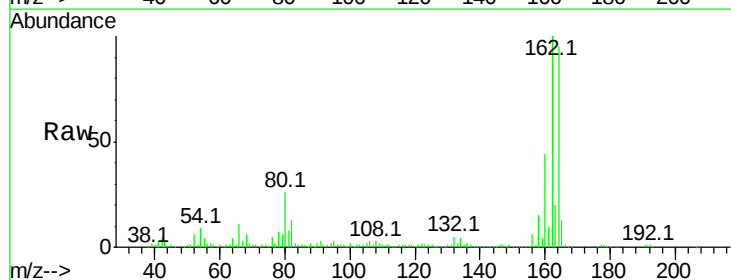


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

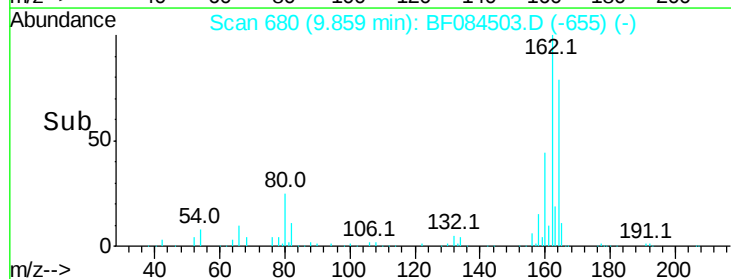
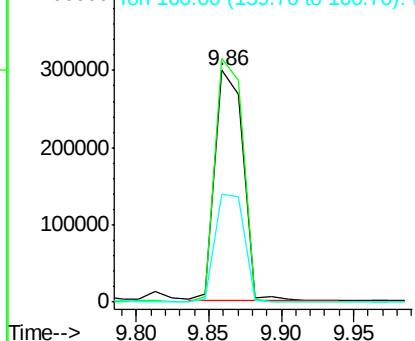


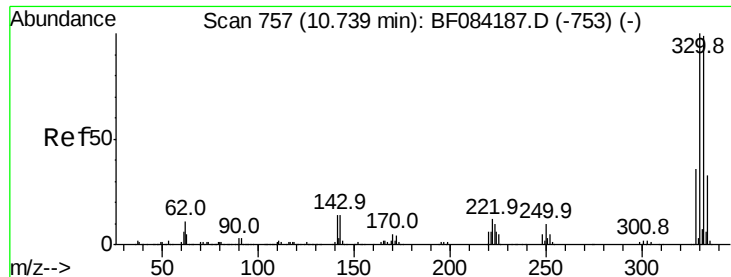
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	85.1	127.7
160	46.5	37.5	56.3



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

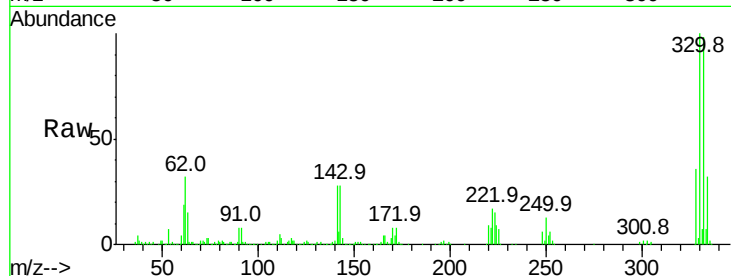




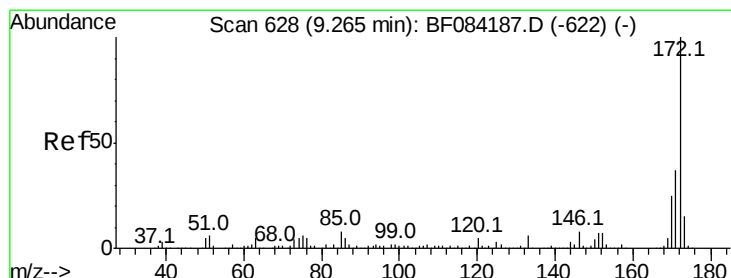
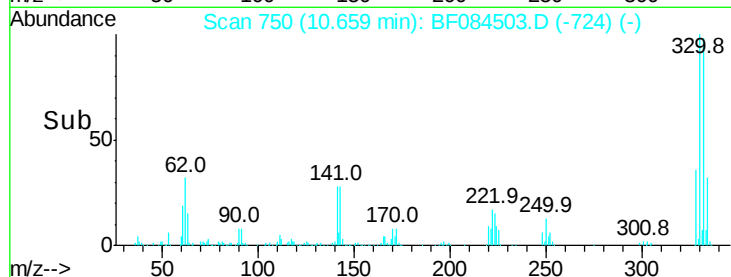
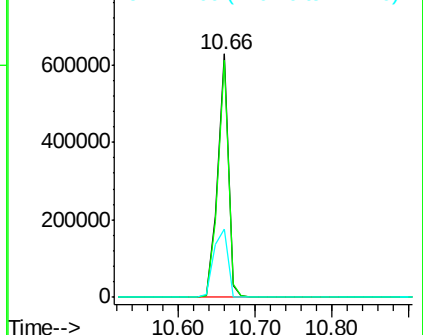
#41
 2,4,6-Tribromophenol
 Concen: 150.22 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF084503.D
 Acq: 15 Jan 2016 20:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	37.1	27.8	41.6

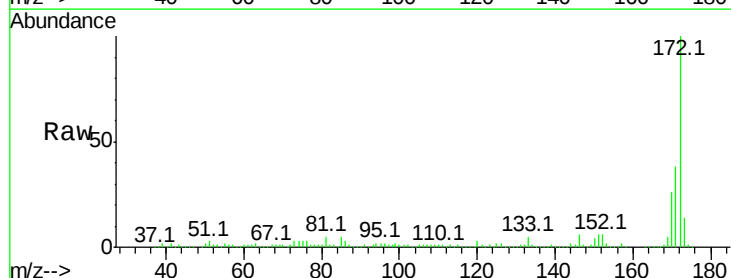


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

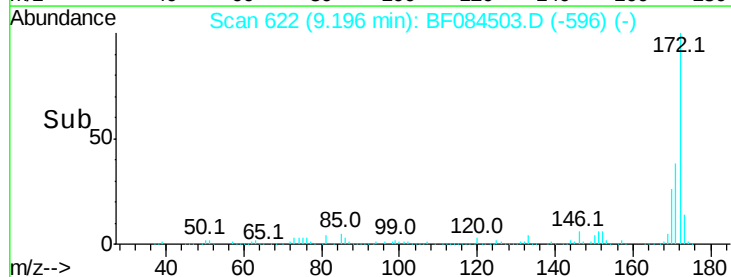
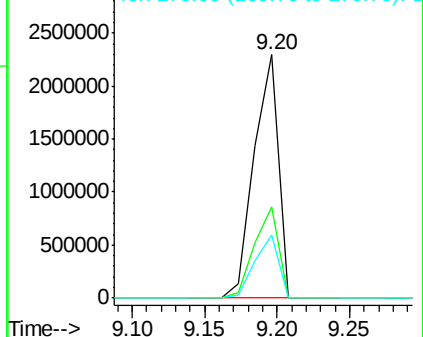


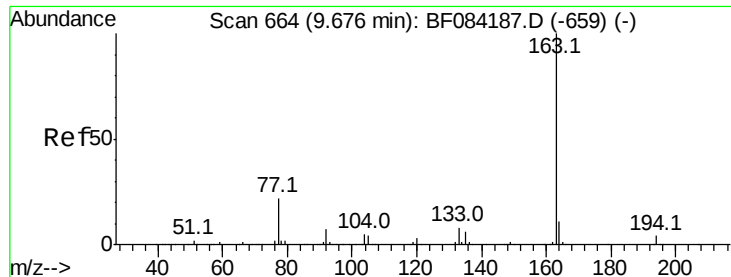
#44
 2-Fluorobiphenyl
 Concen: 119.30 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084503.D
 Acq: 15 Jan 2016 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	28.9	43.3
170	25.9	18.6	27.8



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

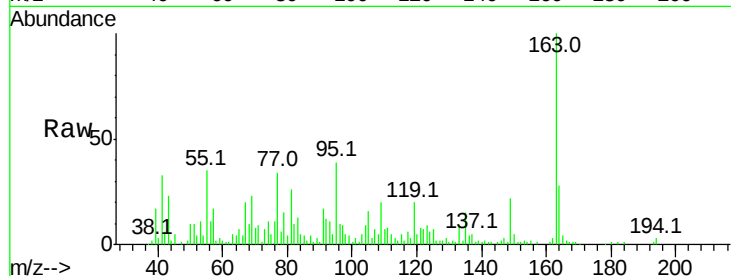




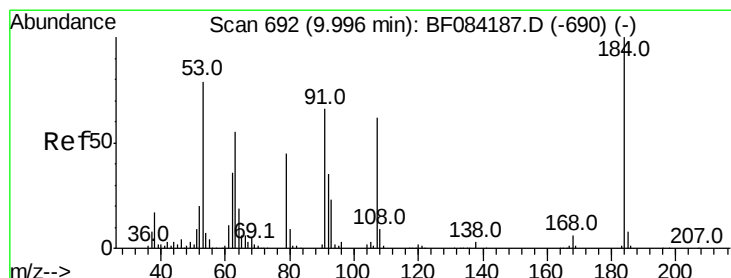
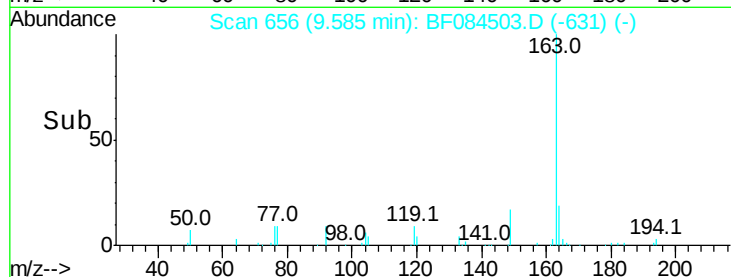
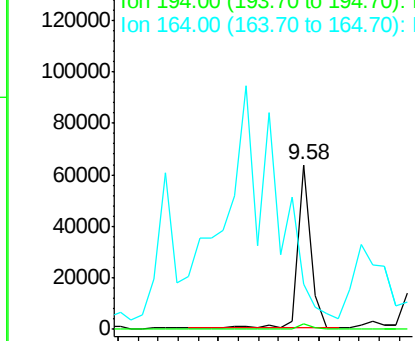
#49
Dimethylphthalate
Concen: 2.01 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 57543
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 27.6 8.0 12.0#

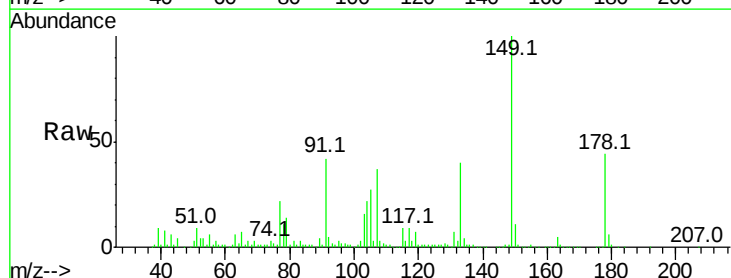


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

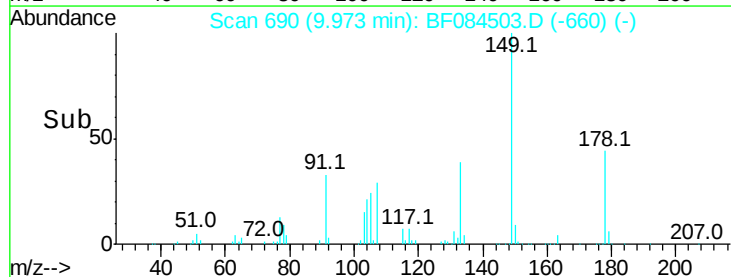
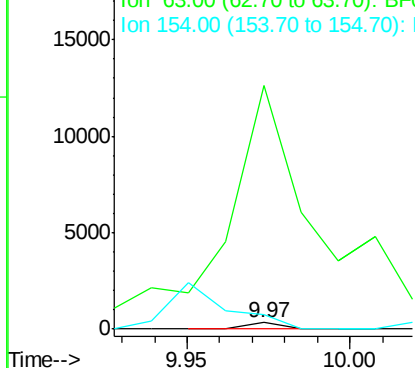


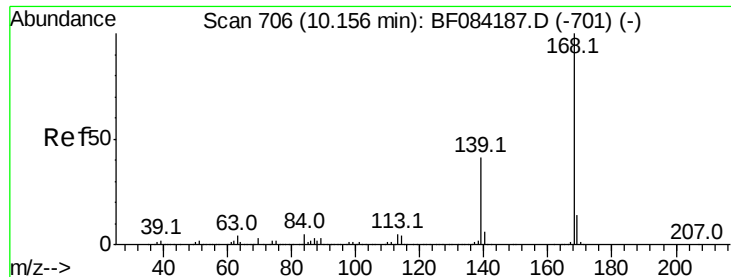
#53
2,4-Dinitrophenol
Concen: 3.64 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.05 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Tgt Ion:184 Resp: 223
Ion Ratio Lower Upper
184 100
63 3884.9 43.1 64.7#
154 230.5 60.5 90.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.06 min Scan# 698

Delta R.T. -0.01 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

Instrument :

BNA_F

ClientSampled :

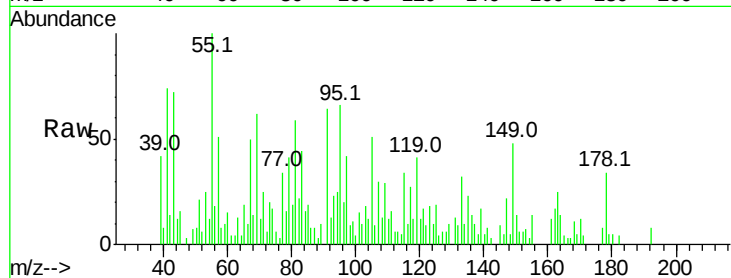
Tot Ion:168 Resp: 1230

Ion Ratio Lower Upper

168 100

139 150.6 30.5 45.7#

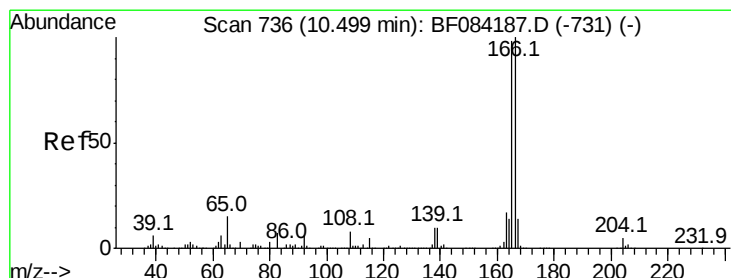
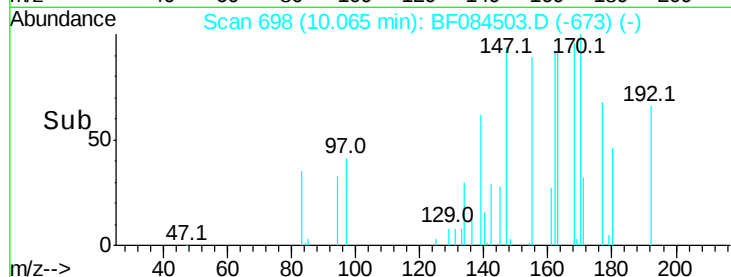
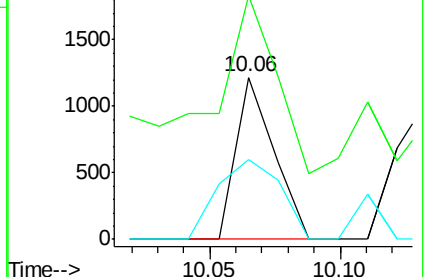
169 49.0 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: Below Cal

RT: 10.41 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

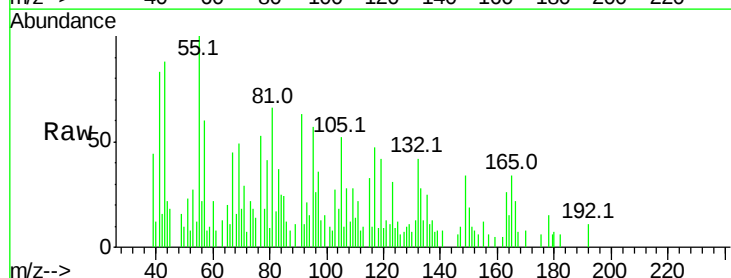
Tgt Ion:166 Resp: 1391

Ion Ratio Lower Upper

166 100

165 154.5 79.1 118.7#

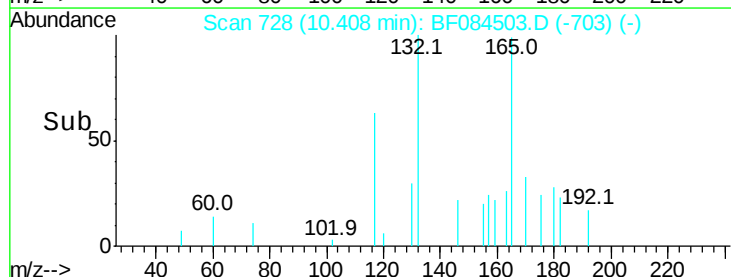
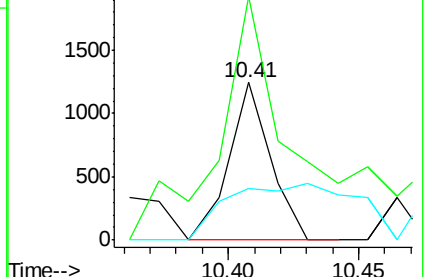
167 33.1 10.4 15.6#

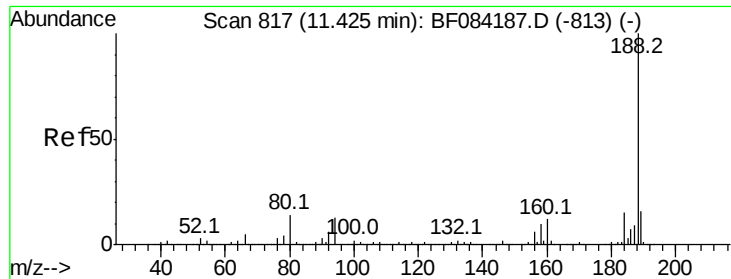


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.34 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

Instrument :

BNA_F

ClientSampleId :

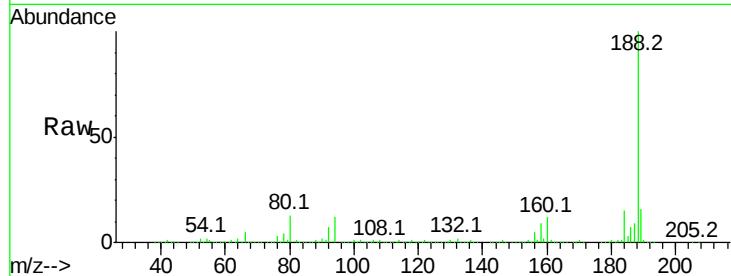
Tot Ion:188 Resp: 650362

Ion Ratio Lower Upper

188 100

94 12.2 9.0 13.4

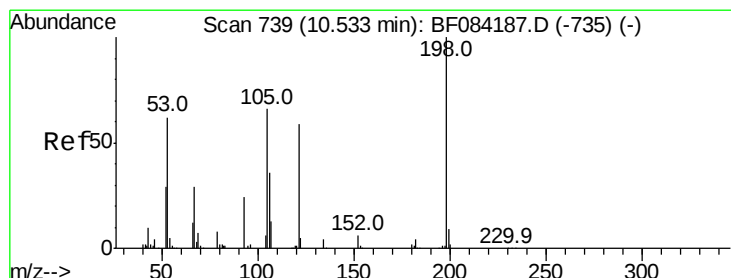
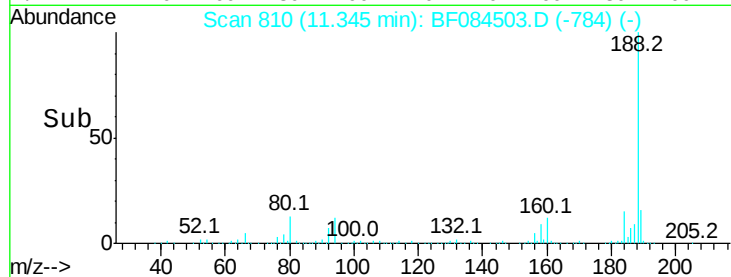
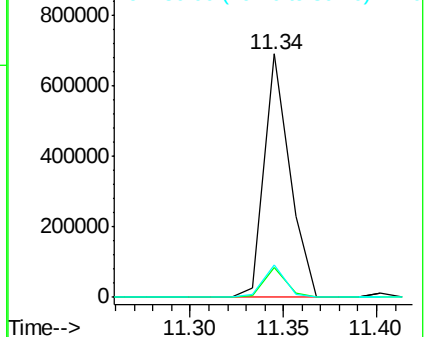
80 13.1 9.6 14.4



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: 6.68 ng

RT: 10.66 min Scan# 750

Delta R.T. 0.19 min

Lab File: BF084503.D

Acq: 15 Jan 2016 20:58

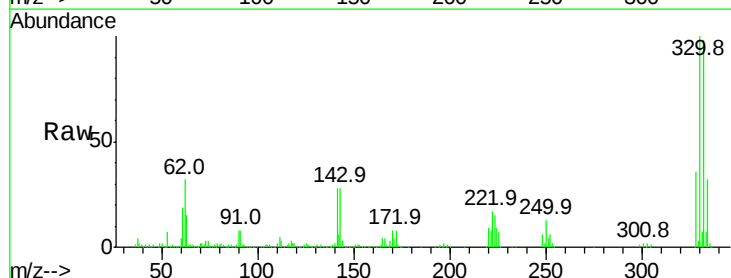
Tgt Ion:198 Resp: 1368

Ion Ratio Lower Upper

198 100

51 192.6 18.9 58.9#

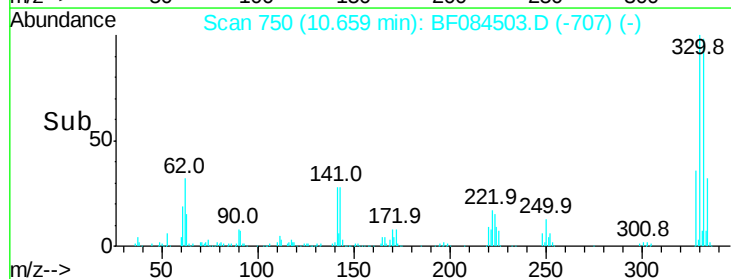
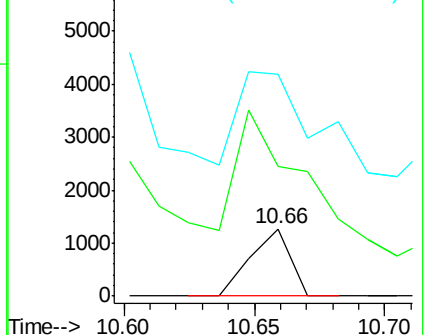
105 328.5 26.4 66.4#

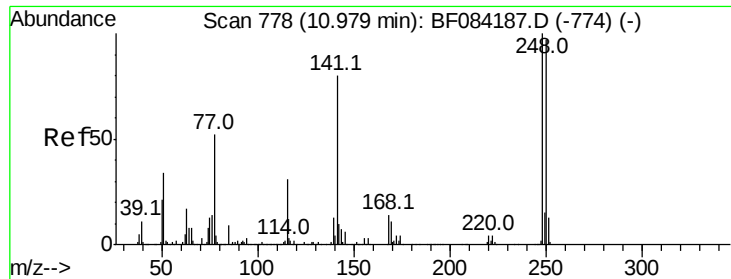


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

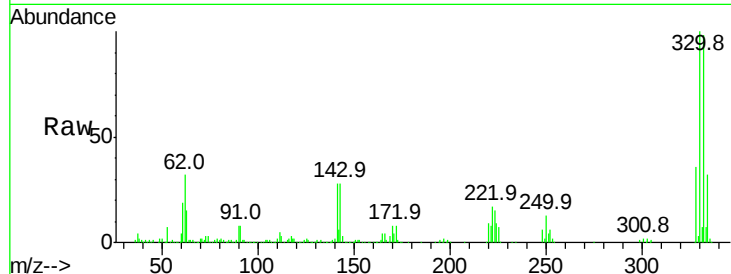




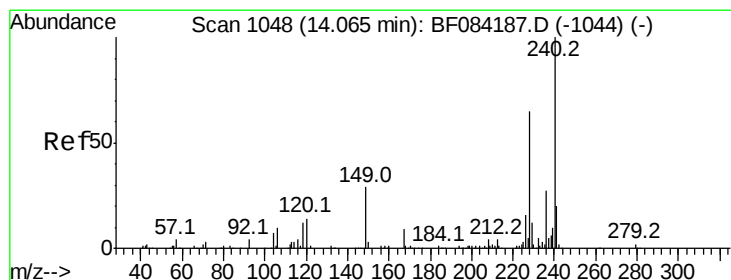
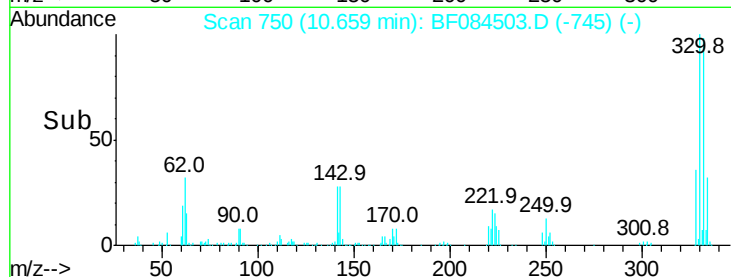
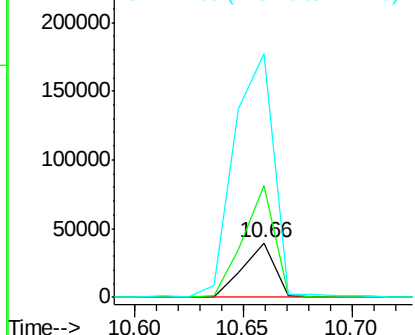
#66
4-Bromophenyl-phenylether
Concen: 5.85 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.24 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 40966
Ion Ratio Lower Upper
248 100
250 204.5 78.4 117.6#
141 446.0 44.0 66.0#

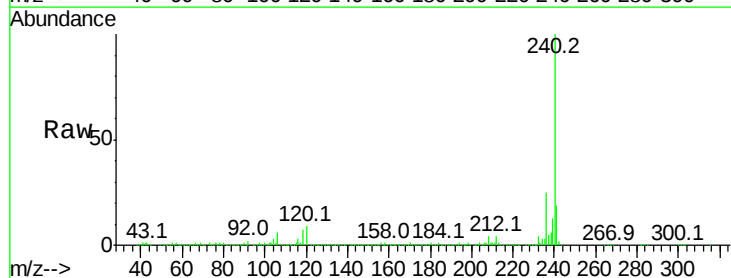


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

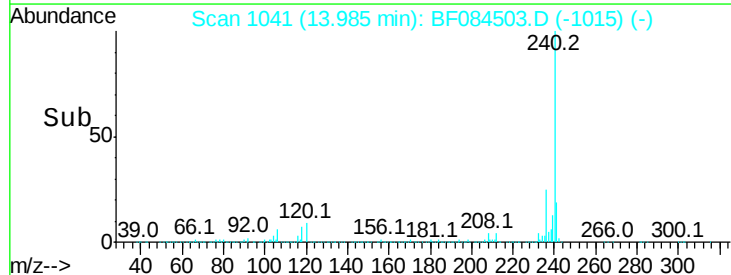
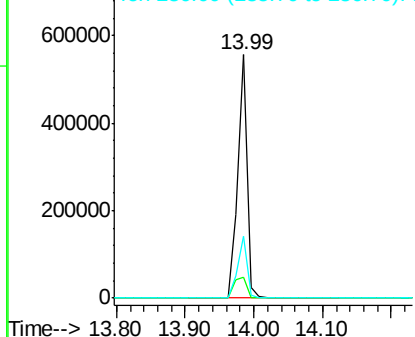


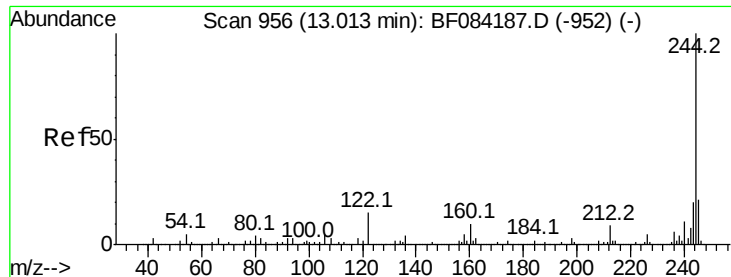
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084503.D
Acq: 15 Jan 2016 20:58

Tgt Ion:240 Resp: 537106
Ion Ratio Lower Upper
240 100
120 8.7 9.5 14.3#
236 25.3 20.6 31.0



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

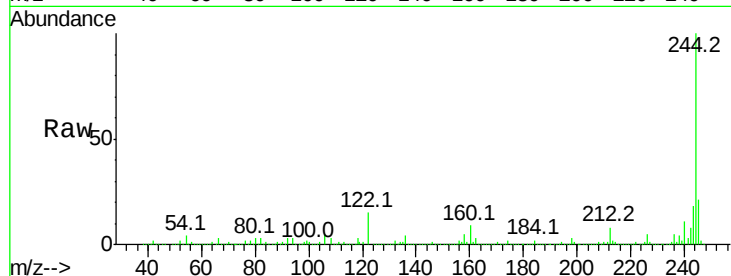




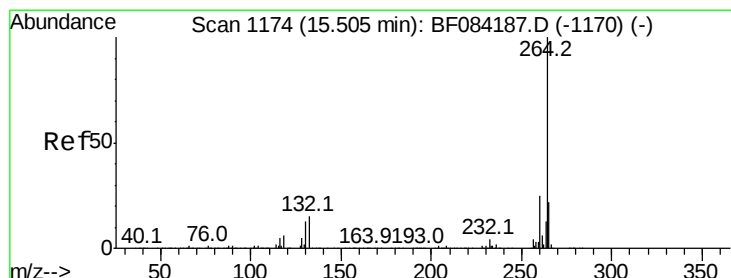
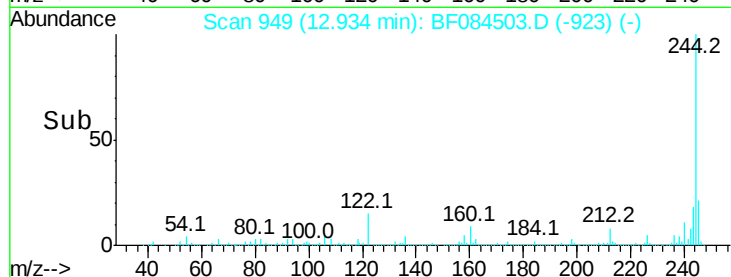
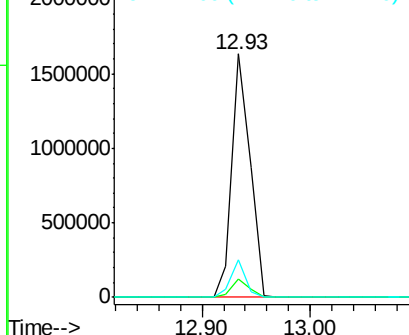
#78
 Terphenyl-d14
 Concen: 77.98 ng
 RT: 12.93 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: BF084503.D
 Acq: 15 Jan 2016 20:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1876305
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.7 8.5
 122 15.4 7.4 11.0#

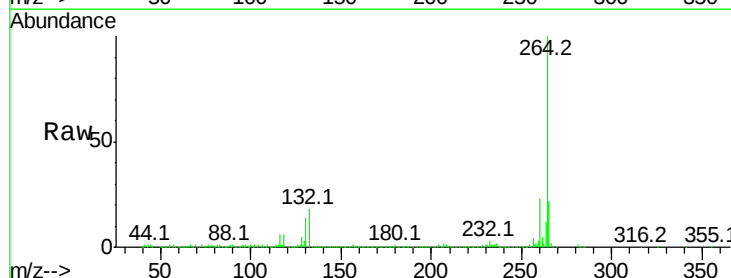


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: BF084503.D
 Acq: 15 Jan 2016 20:58

Tgt Ion:264 Resp: 533390
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.4 29.2
 265 21.7 17.8 26.6



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

