

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090519.D
 Acq On : 11 Oct 2016 23:08
 Operator : UM/SJ
 Sample : H5146-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S8-0613

Quant Time: Oct 12 01:00:45 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 11 16:14:43 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	225303	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	881872	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	603921	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	690140	20.00	ng	0.02
75) Chrysene-d12	14.13	240	464630	20.00	ng	0.00
86) Perylene-d12	15.62	264	419310	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	943907	65.18	ng	0.01
7) Phenol-d6	6.62	99	795923	43.55	ng	0.03
23) Nitrobenzene-d5	7.53	82	1505875	92.62	ng	0.01
41) 2,4,6-Tribromophenol	10.82	330	628075	104.91	ng	0.02
44) 2-Fluorobiphenyl	9.33	172	2304532	64.13	ng	0.01
78) Terphenyl-d14	13.08	244	1686816	88.72	ng	0.00

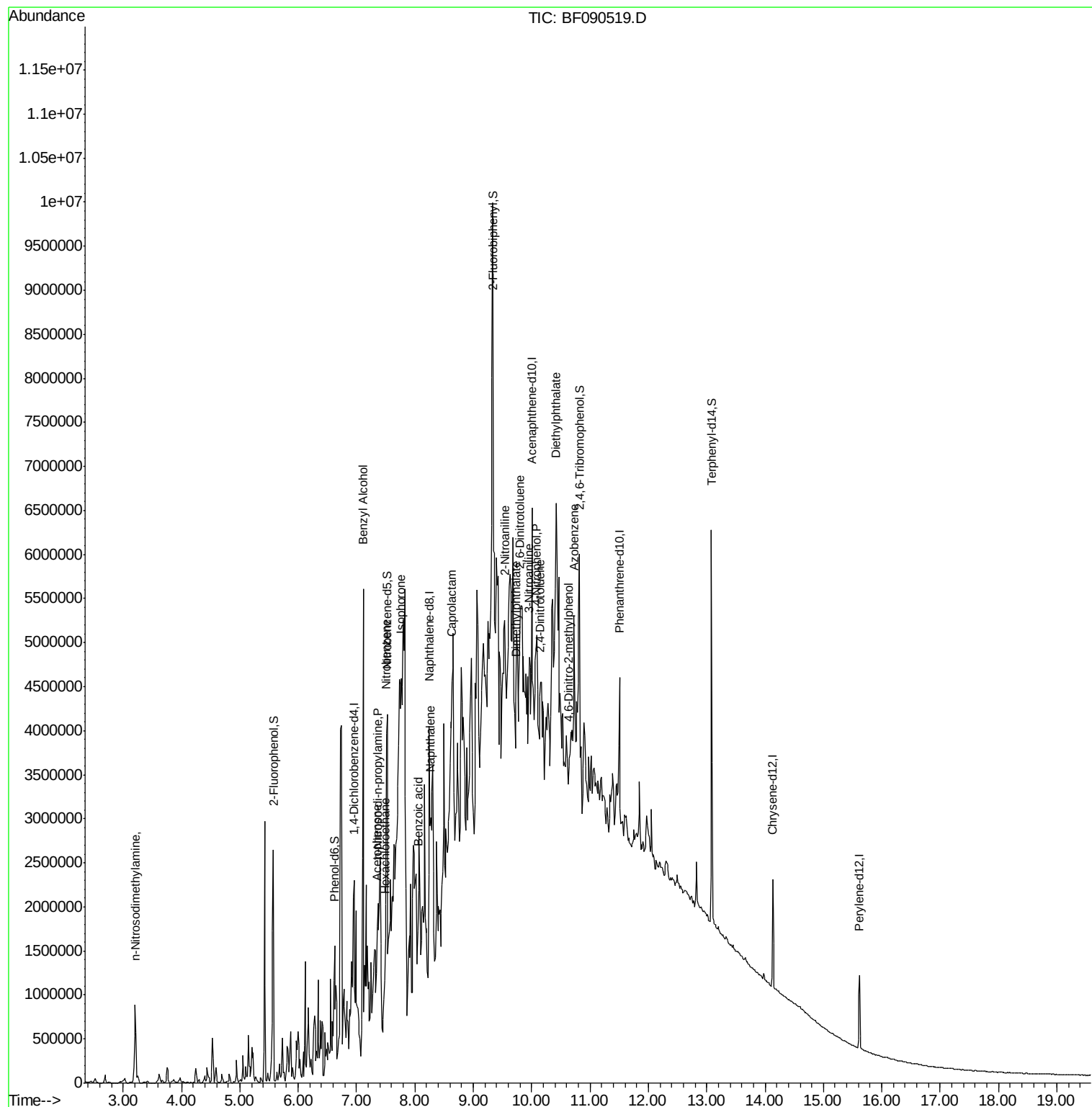
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.21	42	16018	2.49	ng	# 1
15) Benzyl Alcohol	7.11	79	35708	2.54	ng	# 44
18) Hexachloroethane	7.49	117	75946	12.14	ng	# 28
19) n-Nitroso-di-n-propylamine	7.37	70	164663	14.13	ng	# 85
22) Acetophenone	7.35	105	112796	5.81	ng	# 54
24) Nitrobenzene	7.51	77	116292	6.67	ng	# 58
25) Isophorone	7.77	82	89996	3.04	ng	# 41
31) Naphthalene	8.27	128	148413	3.38	ng	# 84
32) Benzoic acid	8.06	122	26960	2.53	ng	# 31
35) Caprolactam	8.63	113	52121	14.21	ng	# 1
47) 2-Nitroaniline	9.54	65	46024	3.76	ng	# 37
49) Dimethylphthalate	9.73	163	125505	3.09	ng	# 67
50) 2,6-Dinitrotoluene	9.80	165	39378	4.39	ng	# 82
52) 3-Nitroaniline	9.96	138	35767	3.21	ng	# 1
55) 4-Nitrophenol	10.07	139	108076	12.50	ng	# 1
56) 2,4-Dinitrotoluene	10.14	165	25095	2.12	ng	# 52
59) Diethylphthalate	10.42	149	1428075	34.57	ng	# 65
62) Azobenzene	10.73	77	201250	4.46	ng	# 58
64) 4,6-Dinitro-2-methylphenol	10.63	198	13333	2.89	ng	# 1

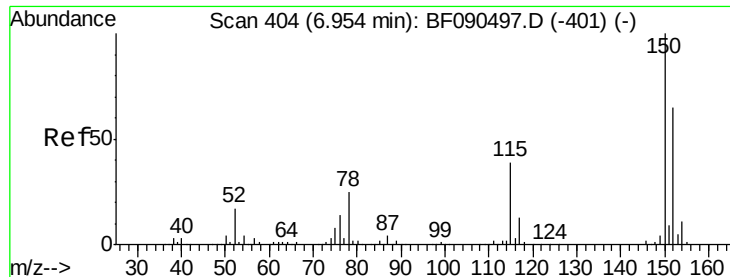
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090519.D
Acq On : 11 Oct 2016 23:08
Operator : UM/SJ
Sample : H5146-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S8-0613

Quant Time: Oct 12 01:00:45 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 11 16:14:43 2016
Response via : Initial Calibration



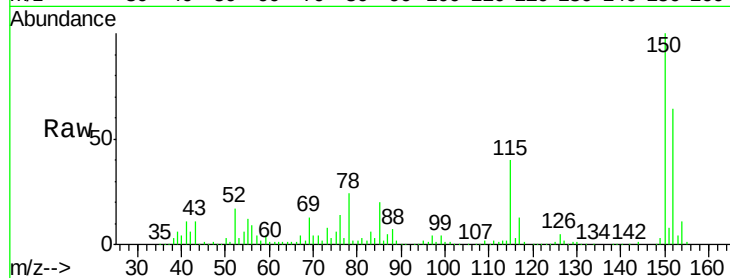


#1

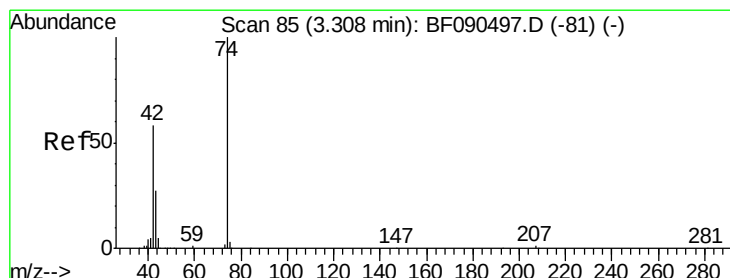
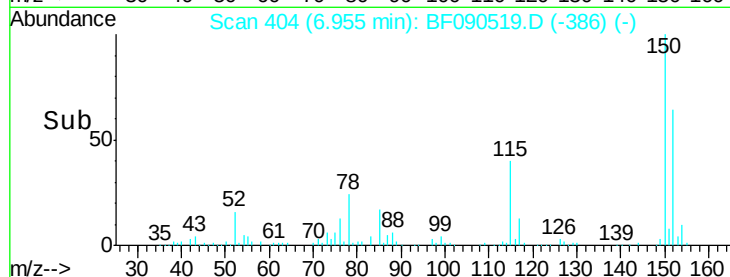
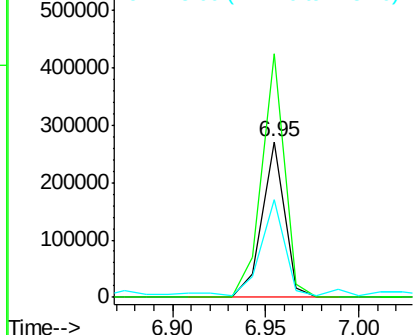
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.95 min Scan# 404
Delta R.T. 0.00 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

Instrument :
BNA_F
ClientSampleId :
S8-0613

Tgt Ion:152 Resp: 225303
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 62.9 46.2 69.4



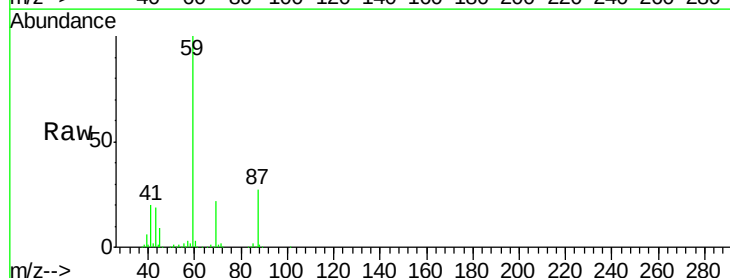
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



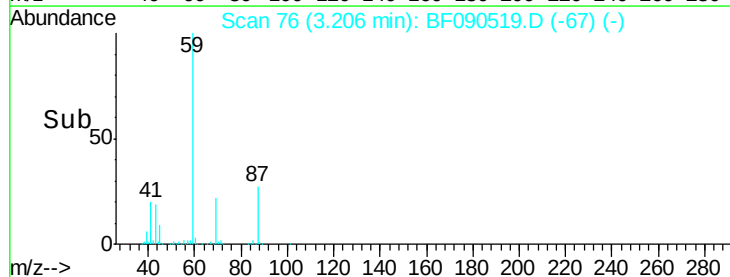
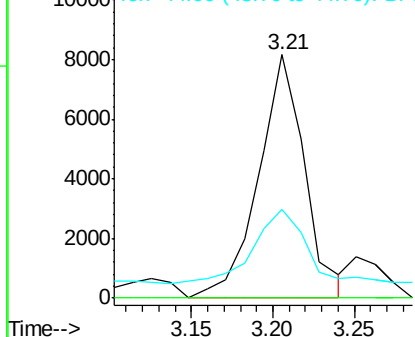
#4

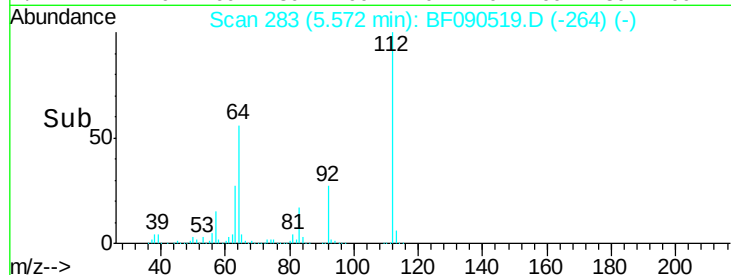
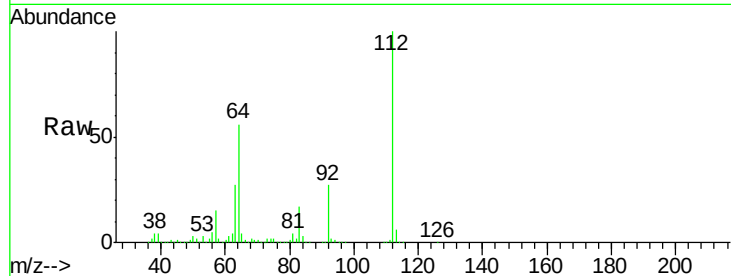
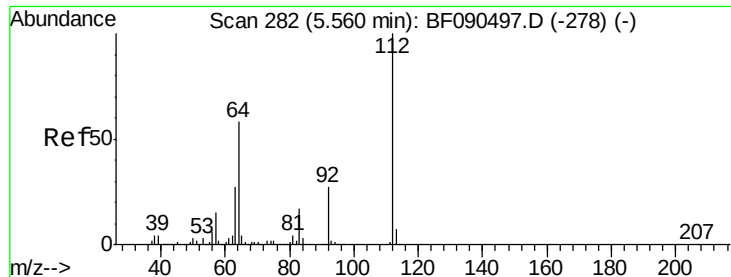
n-Nitrosodimethylamine
Concen: 2.49 ng
RT: 3.21 min Scan# 76
Delta R.T. -0.10 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

Tgt Ion: 42 Resp: 16018
Ion Ratio Lower Upper
42 100
74 0.0 88.9 133.3#
44 36.4 6.5 9.7#



Abundance Ion 42.00 (41.70 to 42.70): BF0
Ion 74.00 (73.70 to 74.70): BF0
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 65.18 ng

RT: 5.57 min Scan# 283

Delta R.T. 0.01 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

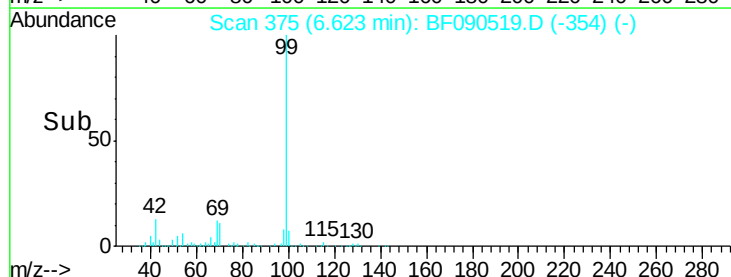
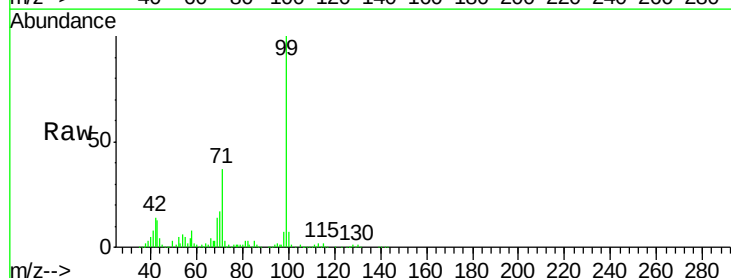
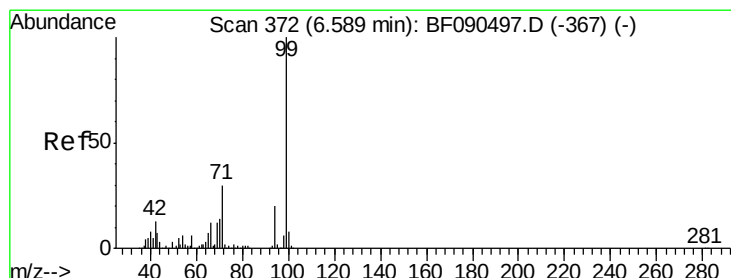
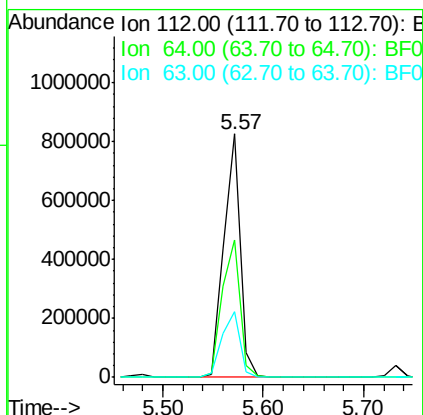
Tgt Ion: 112 Resp: 943907

Ion Ratio Lower Upper

112 100

64 56.2 57.9 86.9#

63 26.9 29.6 44.4#



#7

Phenol-d6

Concen: 43.55 ng

RT: 6.62 min Scan# 375

Delta R.T. 0.03 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

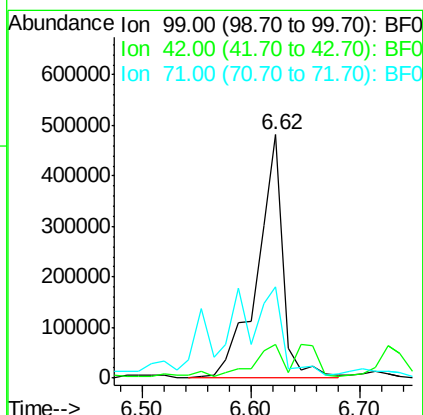
Tgt Ion: 99 Resp: 795923

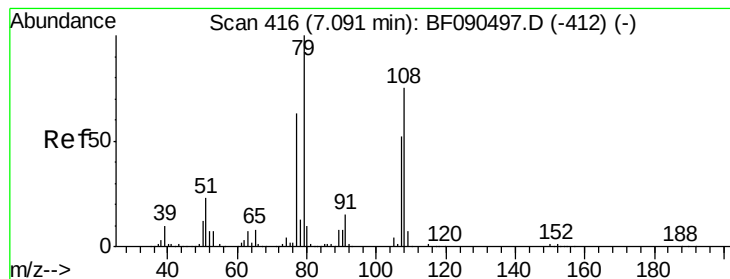
Ion Ratio Lower Upper

99 100

42 13.7 20.0 30.0#

71 37.3 27.9 41.9





#15

Benzyl Alcohol

Concen: 2.54 ng

RT: 7.11 min Scan# 418

Delta R.T. 0.02 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

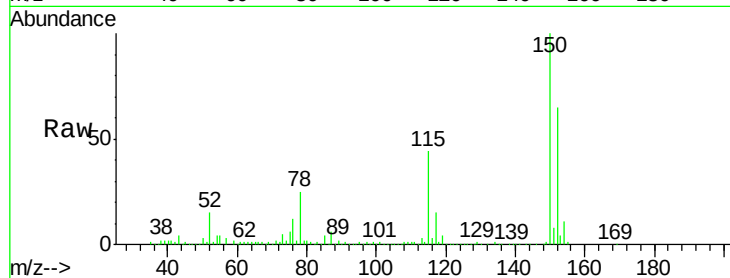
Tgt Ion: 79 Resp: 35708

Ion Ratio Lower Upper

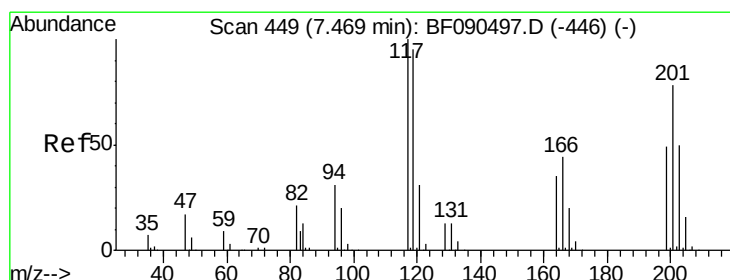
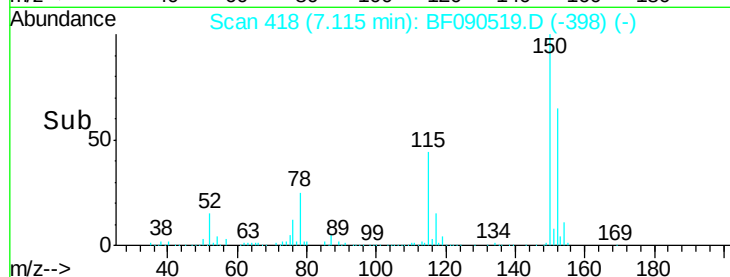
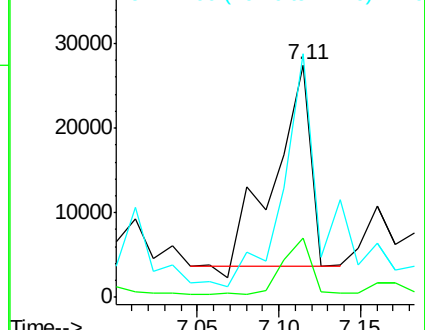
79 100

108 25.5 60.9 91.3#

77 104.8 51.5 77.3#



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



#18

Hexachloroethane

Concen: 12.14 ng

RT: 7.49 min Scan# 451

Delta R.T. 0.02 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

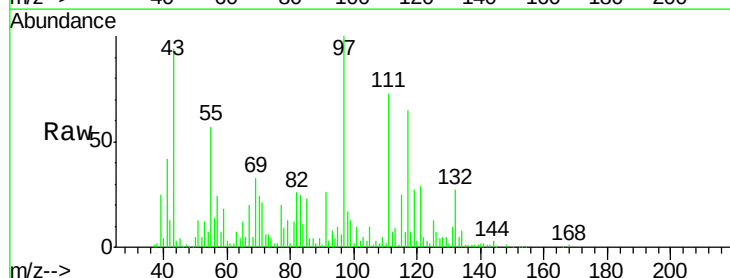
Tgt Ion: 117 Resp: 75946

Ion Ratio Lower Upper

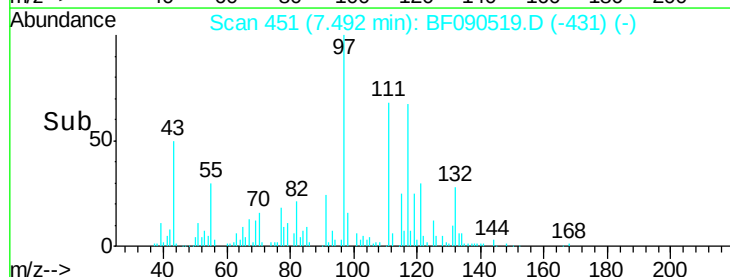
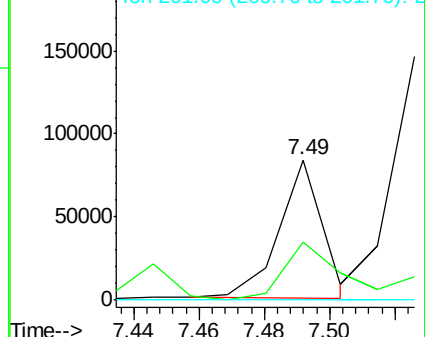
117 100

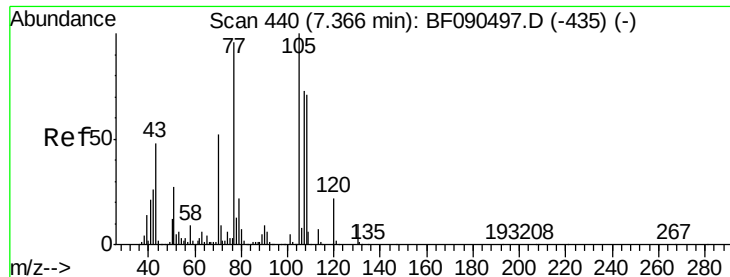
119 41.3 75.9 113.9#

201 0.0 66.5 99.7#



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

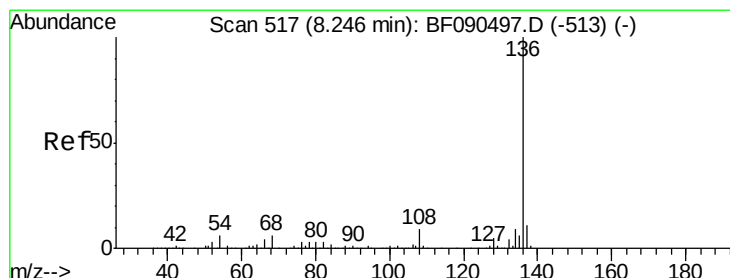
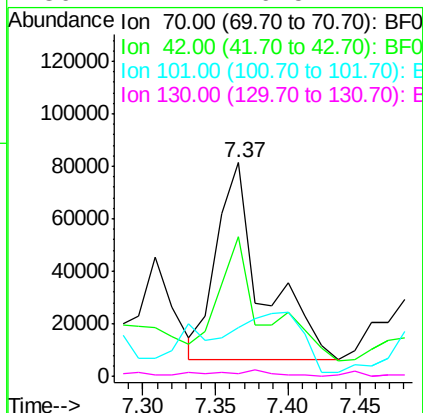
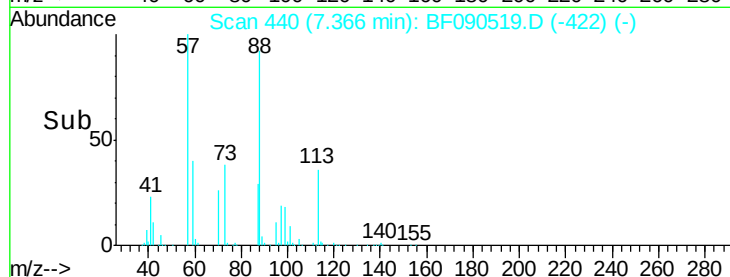
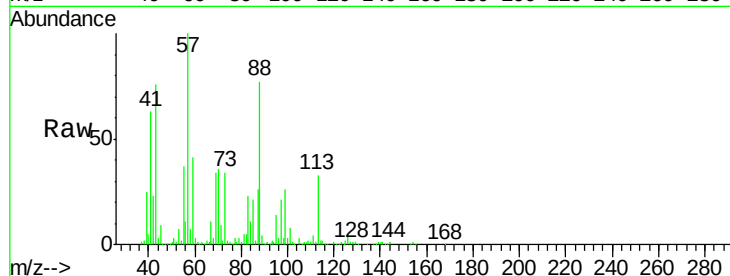




#19
n-Nitroso-di-n-propylamine
Concen: 14.13 ng
RT: 7.37 min Scan# 440
Delta R.T. 0.00 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

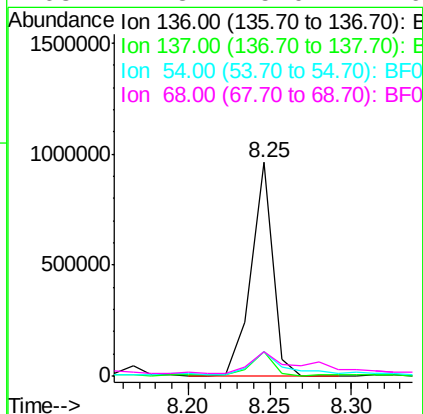
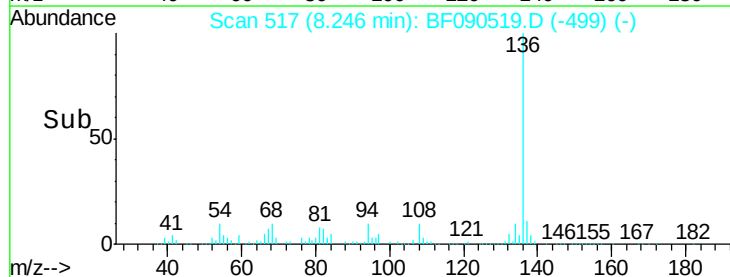
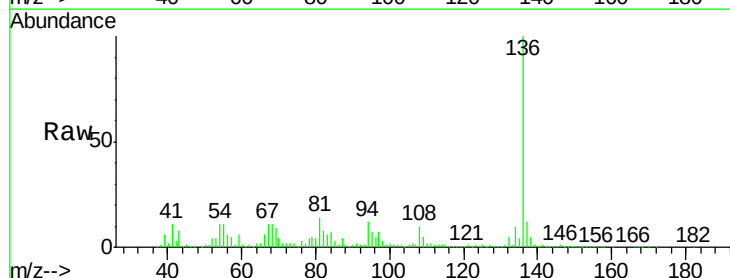
Instrument :
BNA_F
ClientSampleId :
S8-0613

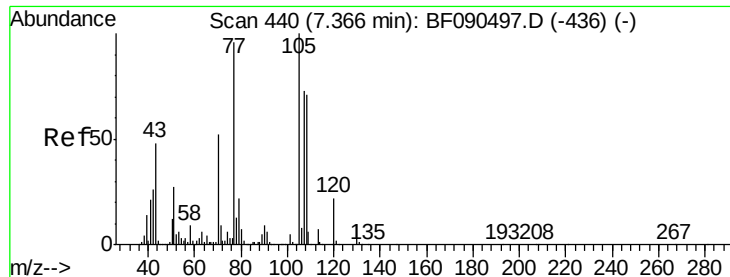
Tgt Ion: 70 Resp: 164663
Ion Ratio Lower Upper
70 100
42 65.3 55.4 83.2
101 22.5 7.6 11.4#
130 1.1 16.5 24.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

Tgt Ion: 136 Resp: 881872
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 11.2 6.6 10.0#
68 11.3 5.0 7.6#





#22

Acetophenone

Concen: 5.81 ng

RT: 7.35 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

Tgt Ion:105 Resp: 112796

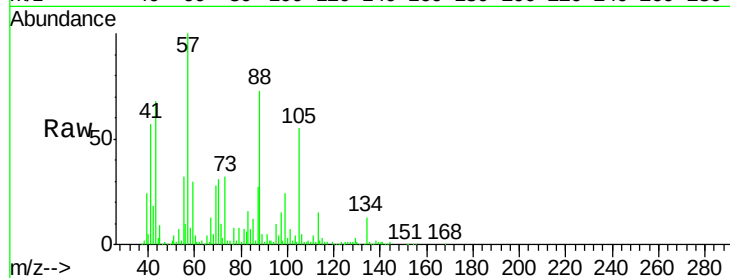
Ion Ratio Lower Upper

105 100

71 18.8 3.8 5.6#

51 7.5 28.2 42.4#

120 0.8 17.4 26.2#

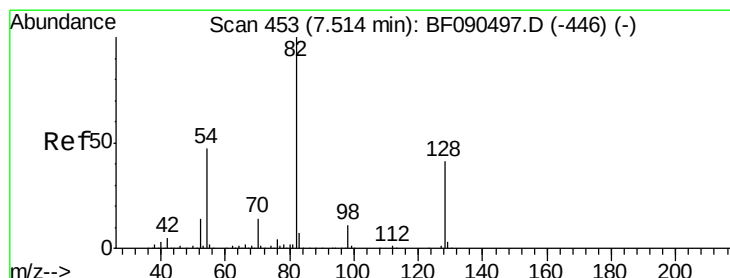
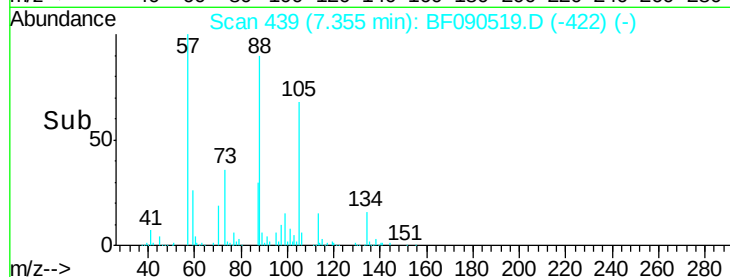
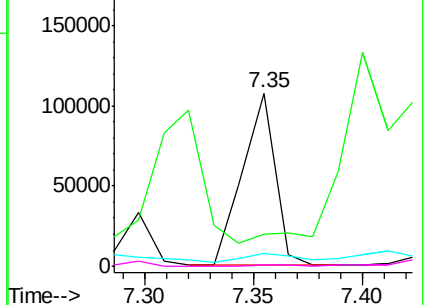


Abundance Ion 105.00 (104.70 to 105.70): E

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: 92.62 ng

RT: 7.53 min Scan# 454

Delta R.T. 0.01 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

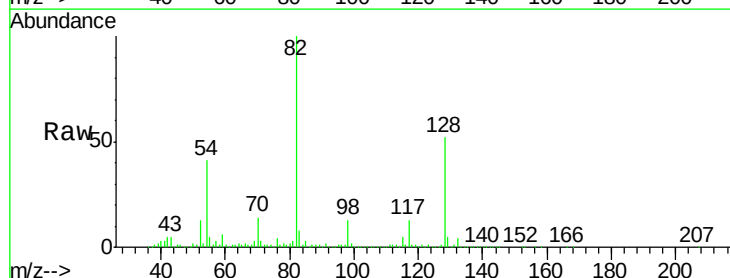
Tgt Ion: 82 Resp: 1505875

Ion Ratio Lower Upper

82 100

128 51.6 40.0 60.0

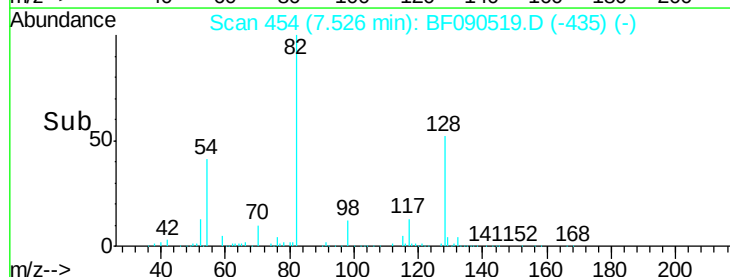
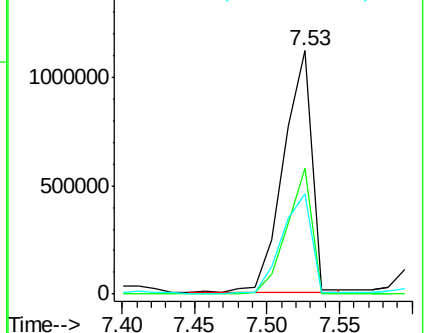
54 41.1 42.6 64.0#

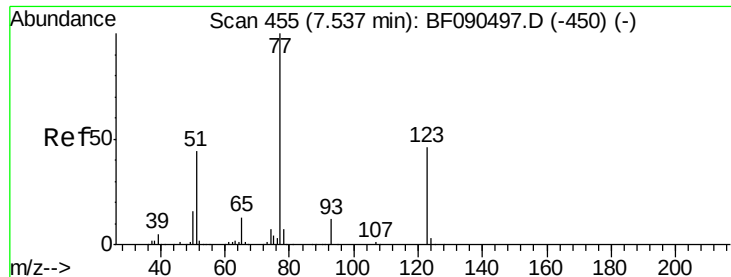


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 6.67 ng

RT: 7.51 min Scan# 453

Delta R.T. -0.02 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

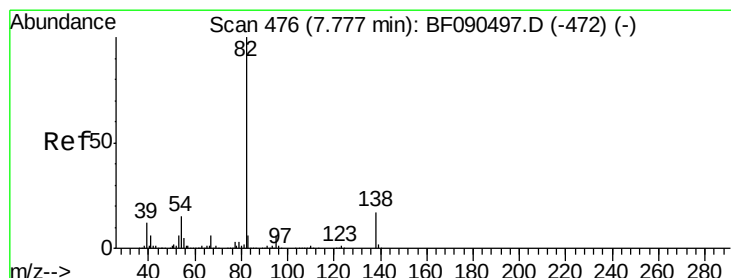
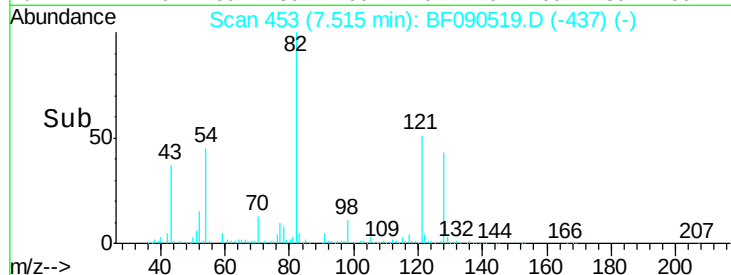
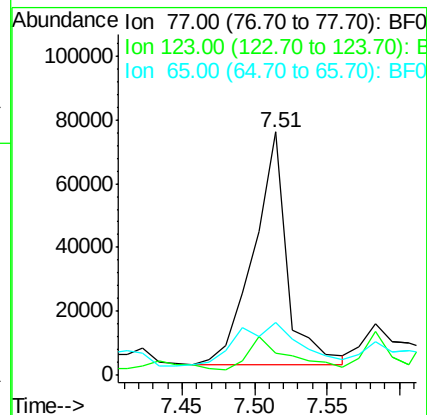
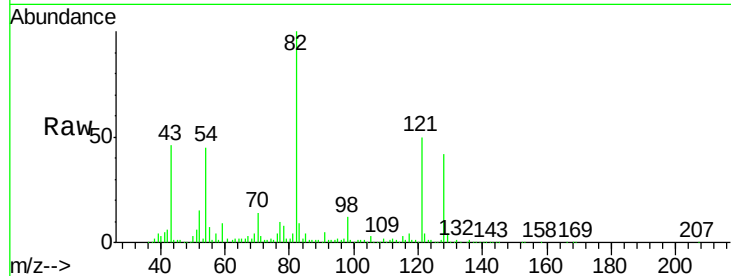
Tgt Ion: 77 Resp: 116292

Ion Ratio Lower Upper

77 100

123 9.3 33.0 49.4#

65 21.6 12.0 18.0#



#25

Isophorone

Concen: 3.04 ng

RT: 7.77 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

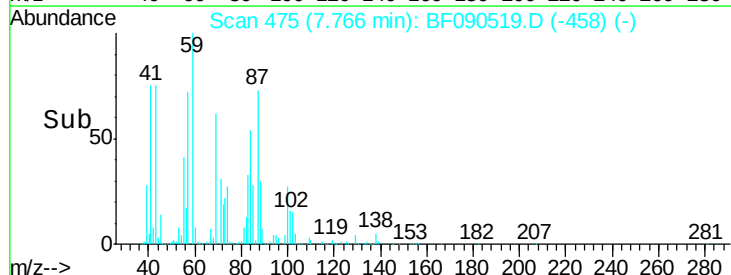
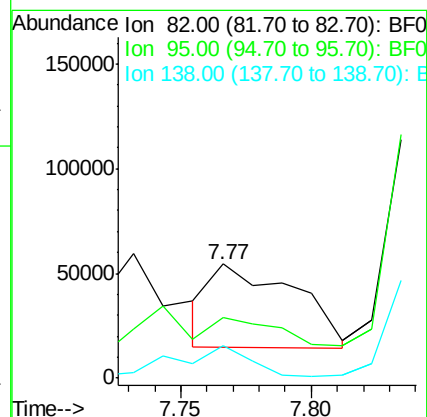
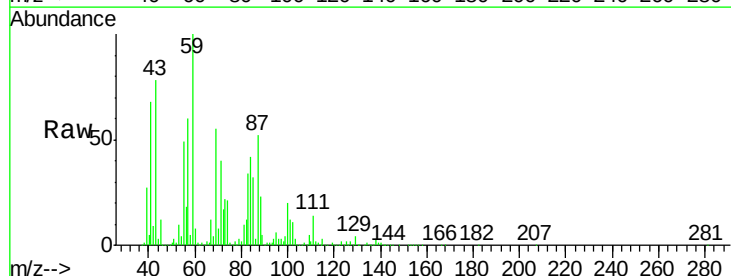
Tgt Ion: 82 Resp: 89996

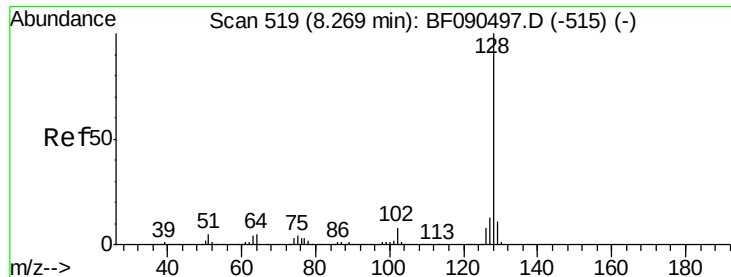
Ion Ratio Lower Upper

82 100

95 53.2 5.2 7.8#

138 28.0 13.0 19.4#

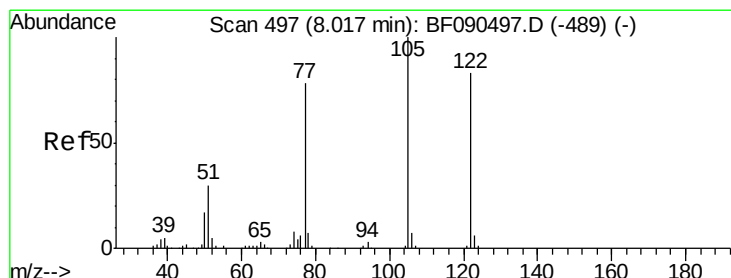
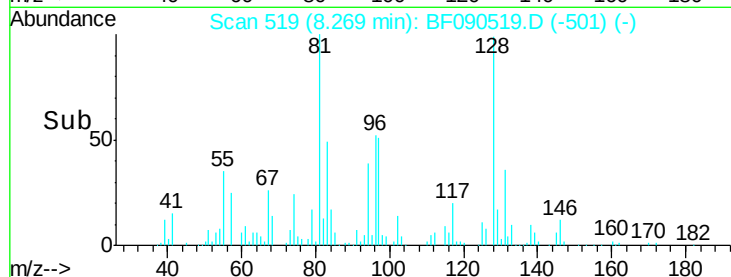
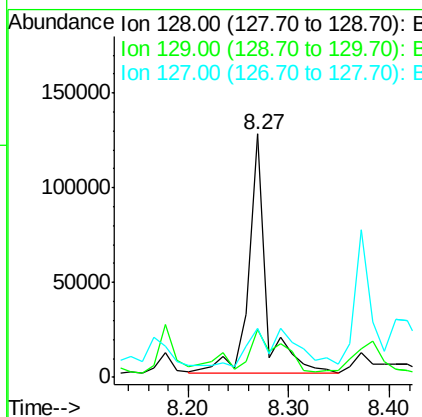
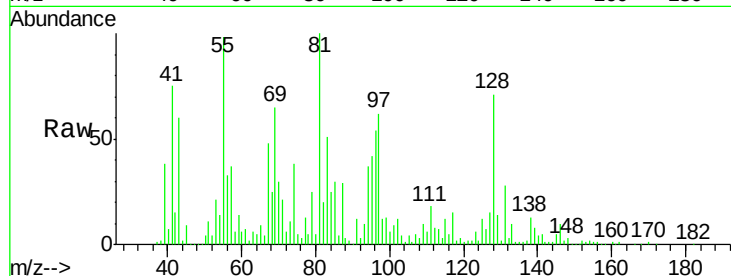




#31
Naphthalene
Concen: 3.38 ng
RT: 8.27 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

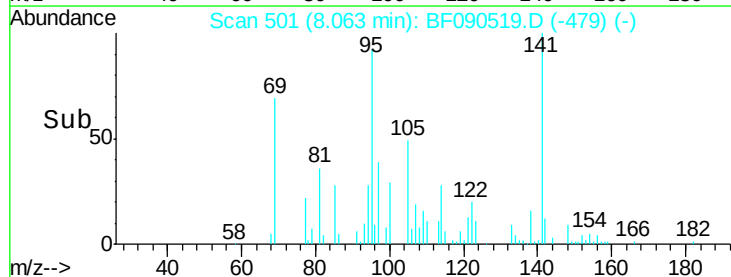
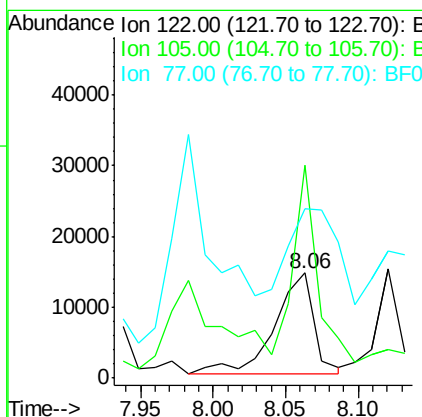
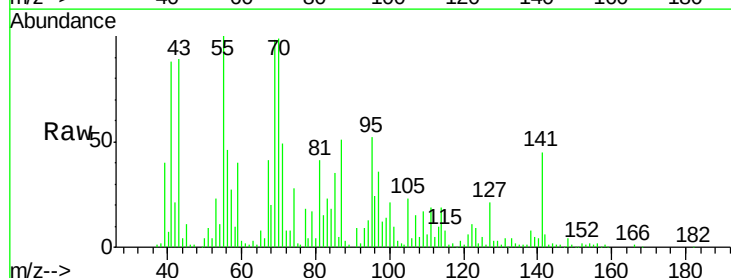
Instrument :
BNA_F
ClientSampleId :
S8-0613

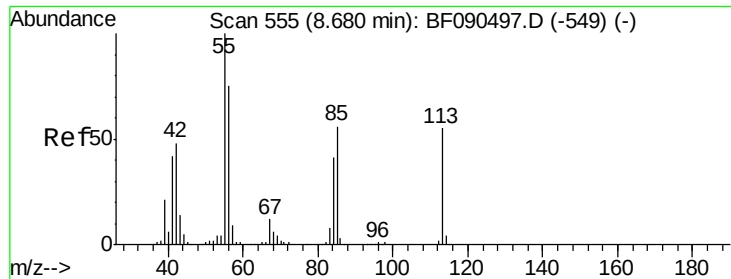
Tgt Ion:128 Resp: 148413
Ion Ratio Lower Upper
128 100
129 19.4 9.7 14.5#
127 20.4 11.7 17.5#



#32
Benzoic acid
Concen: 2.53 ng
RT: 8.06 min Scan# 501
Delta R.T. 0.05 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

Tgt Ion:122 Resp: 26960
Ion Ratio Lower Upper
122 100
105 202.8 103.9 143.9#
77 161.1 74.6 114.6#

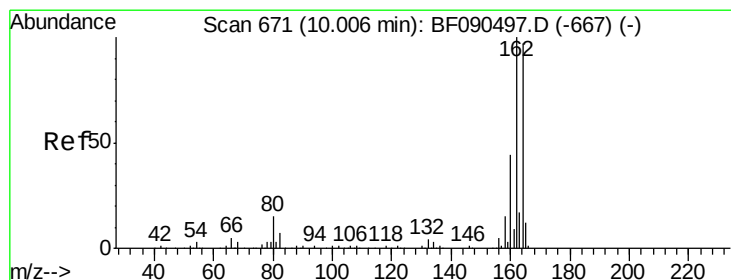
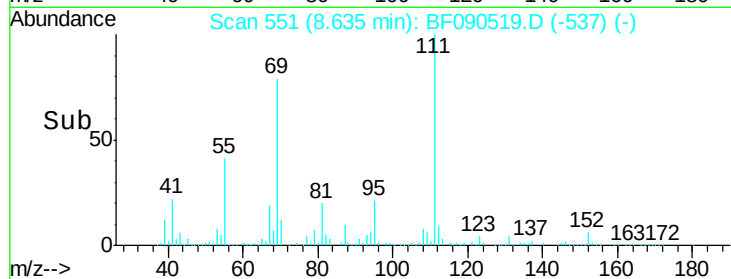
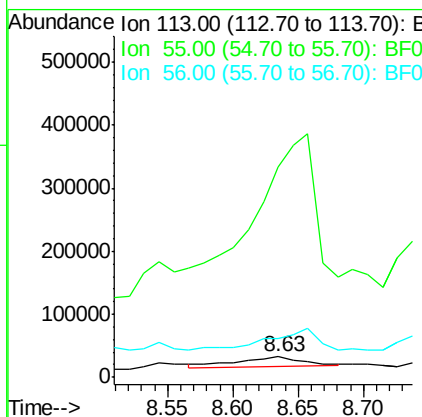
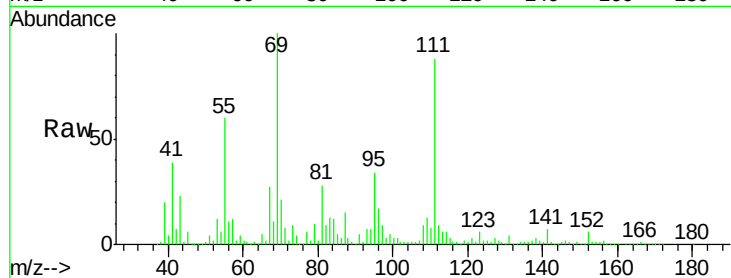




#35
 Caprolactam
 Concen: 14.21 ng
 RT: 8.63 min Scan# 551
 Delta R.T. -0.05 min
 Lab File: BF090519.D
 Acq: 11 Oct 2016 23:08

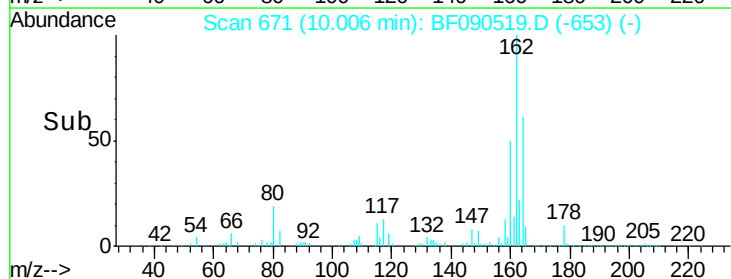
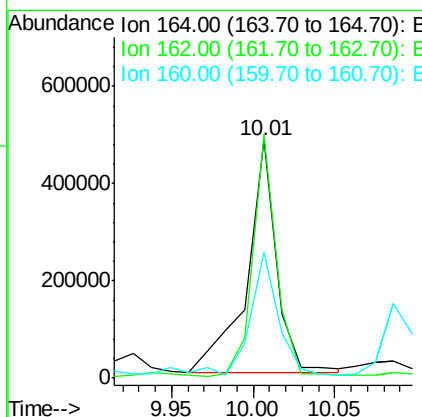
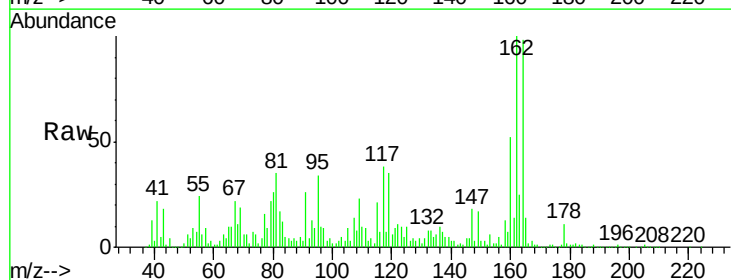
Instrument :
 BNA_F
 ClientSampleId :
 S8-0613

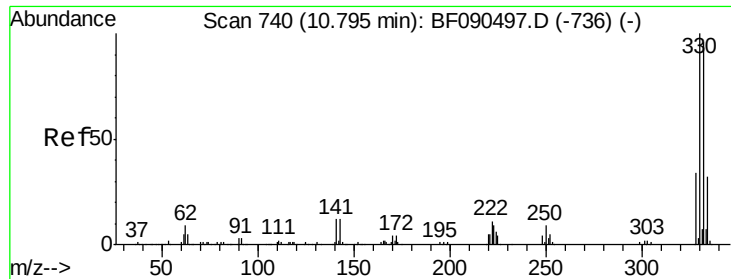
Tgt Ion:113 Resp: 52121
 Ion Ratio Lower Upper
 113 100
 55 1032.6 203.3 243.3#
 56 194.1 140.5 180.5#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.01 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: BF090519.D
 Acq: 11 Oct 2016 23:08

Tgt Ion:164 Resp: 603921
 Ion Ratio Lower Upper
 164 100
 162 102.3 80.1 120.1
 160 53.0 36.3 54.5

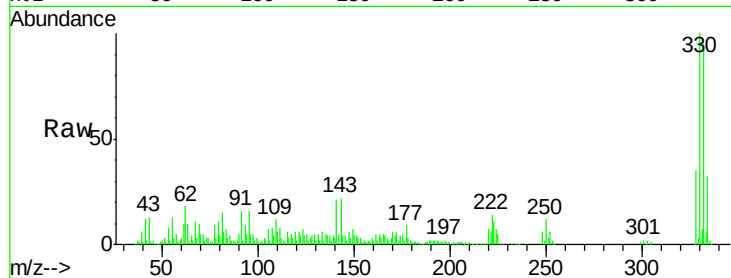




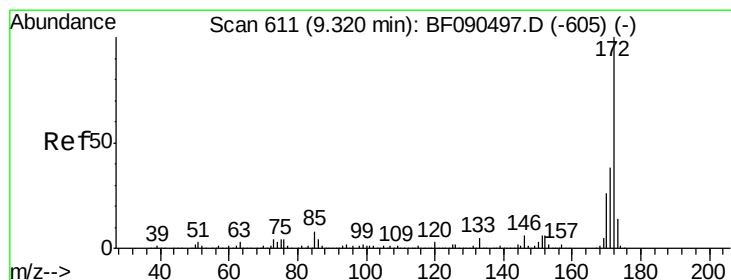
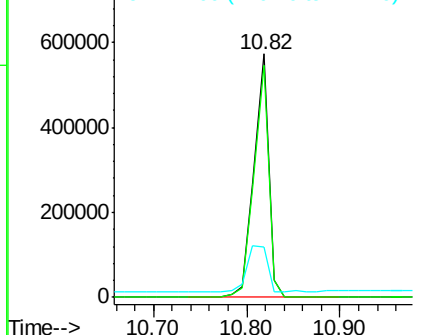
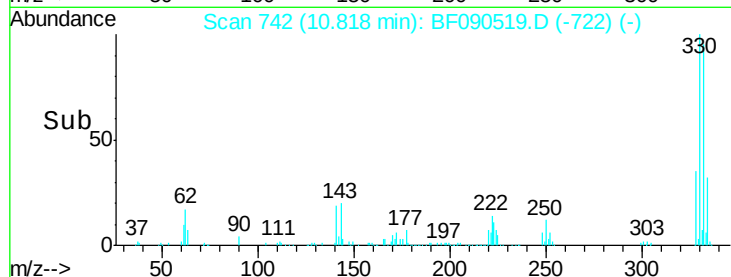
#41
 2,4,6-Tribromophenol
 Concen: 104.91 ng
 RT: 10.82 min Scan# 742
 Delta R.T. 0.02 min
 Lab File: BF090519.D
 Acq: 11 Oct 2016 23:08

Instrument :
 BNA_F
 ClientSampleId :
 S8-0613

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	75.4	113.0
141	26.7	26.9	40.3#

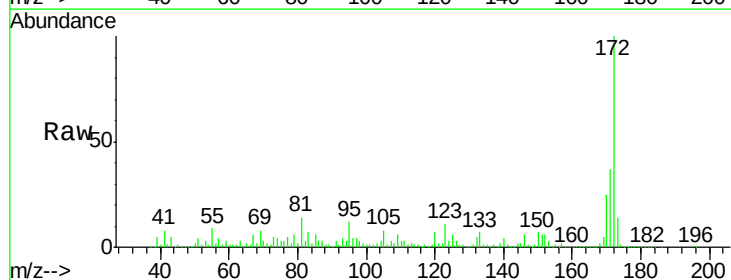


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

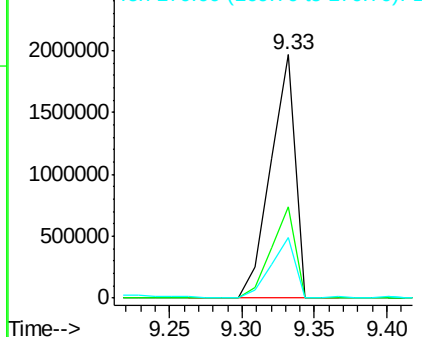
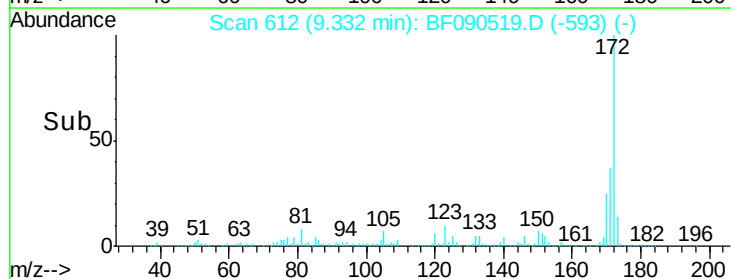


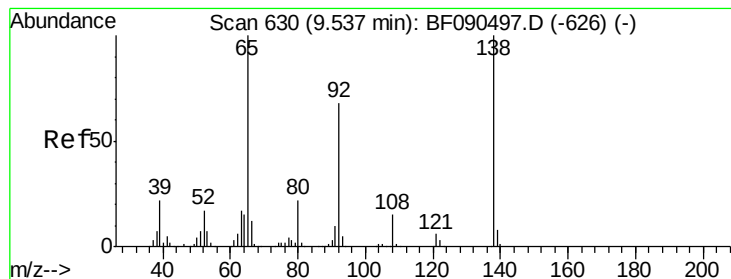
#44
 2-Fluorobiphenyl
 Concen: 64.13 ng
 RT: 9.33 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: BF090519.D
 Acq: 11 Oct 2016 23:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	31.8	47.8
170	25.1	21.7	32.5



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





#47

2-Nitroaniline

Concen: 3.76 ng

RT: 9.54 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

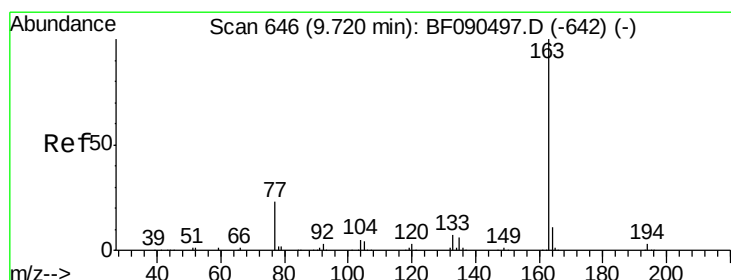
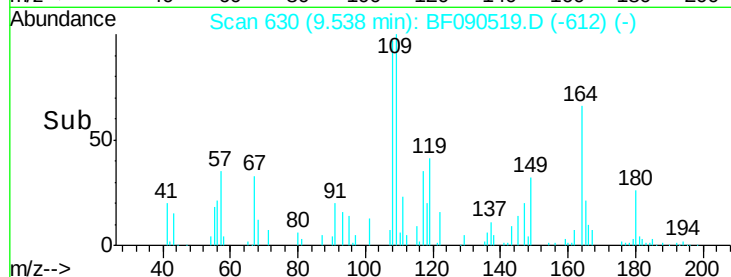
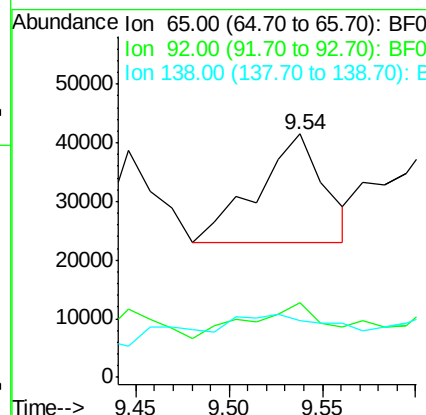
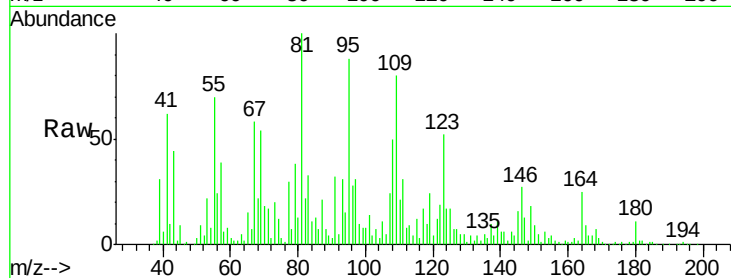
Tgt Ion: 65 Resp: 46024

Ion Ratio Lower Upper

65 100

92 30.8 51.7 77.5#

138 23.3 79.0 118.4#



#49

Dimethylphthalate

Concen: 3.09 ng

RT: 9.73 min Scan# 647

Delta R.T. 0.01 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

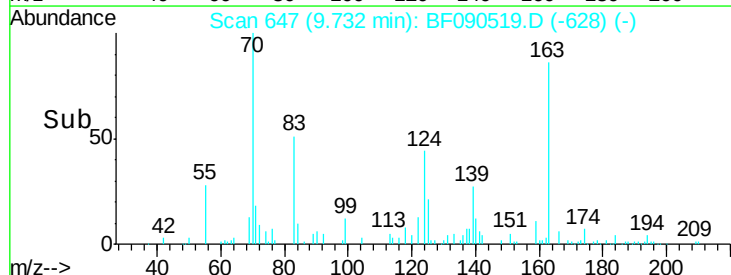
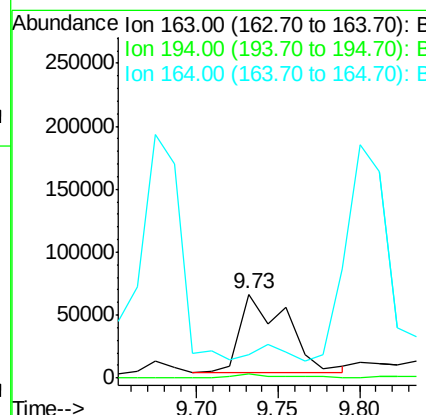
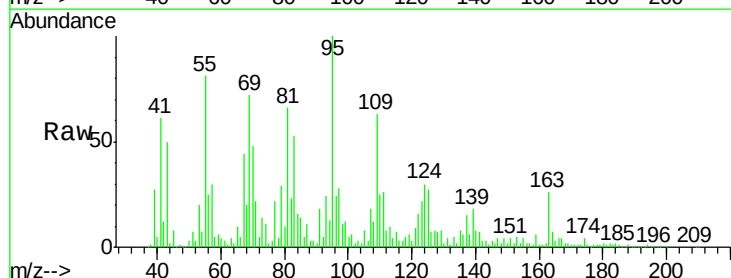
Tgt Ion: 163 Resp: 125505

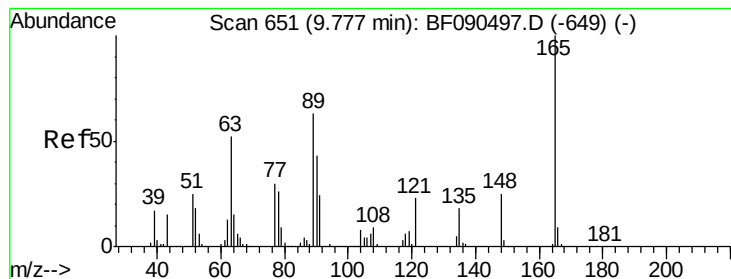
Ion Ratio Lower Upper

163 100

194 4.7 2.8 4.2#

164 27.4 9.0 13.4#





#50

2,6-Dinitrotoluene

Concen: 4.39 ng

RT: 9.80 min Scan# 653

Delta R.T. 0.02 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

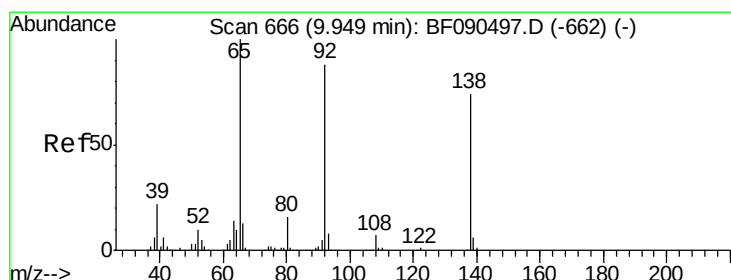
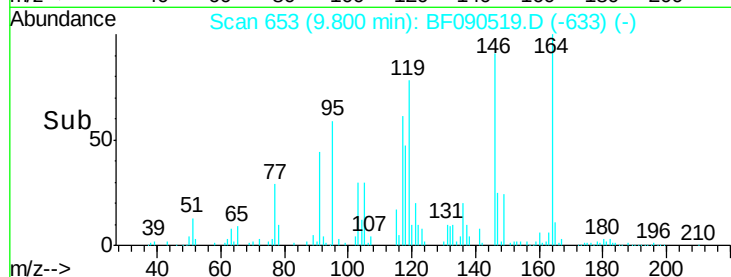
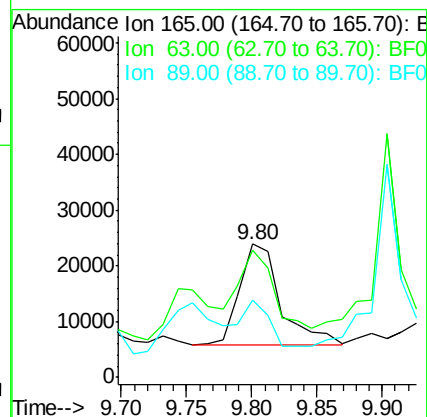
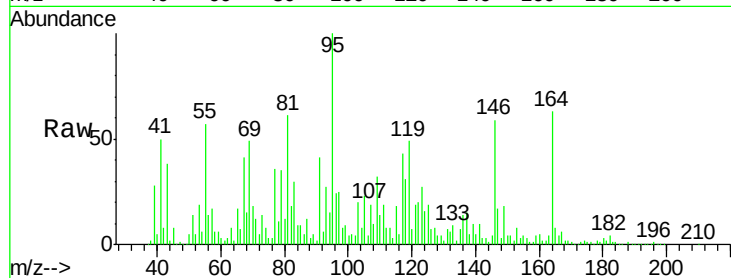
Tgt Ion:165 Resp: 39378

Ion Ratio Lower Upper

165 100

63 95.4 58.0 87.0#

89 58.0 51.2 76.8



#52

3-Nitroaniline

Concen: 3.21 ng

RT: 9.96 min Scan# 667

Delta R.T. 0.01 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

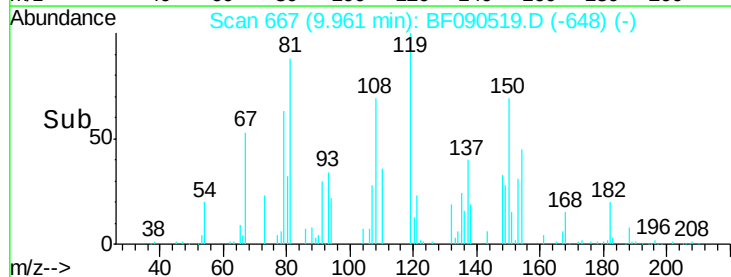
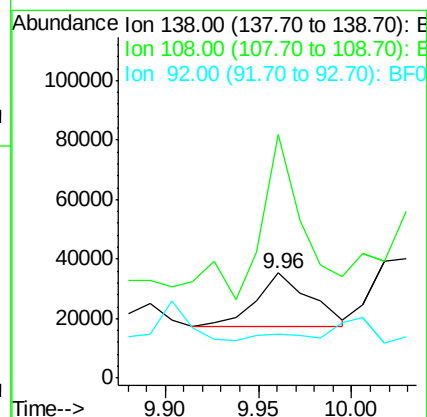
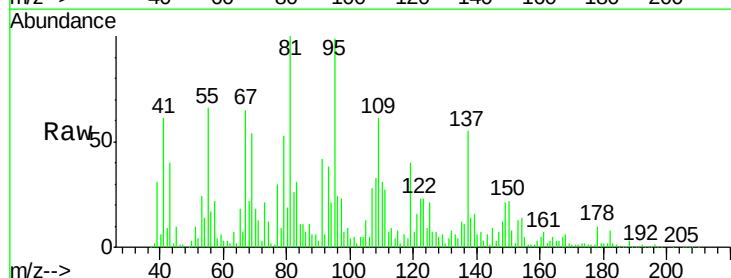
Tgt Ion:138 Resp: 35767

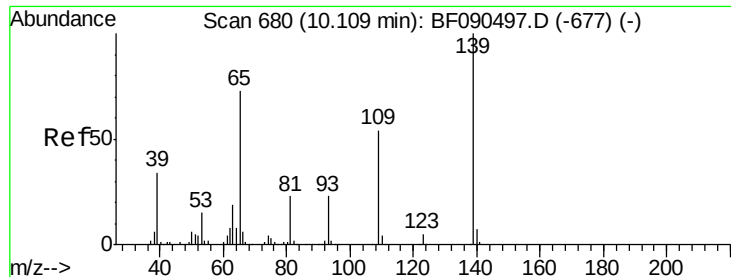
Ion Ratio Lower Upper

138 100

108 231.6 9.7 14.5#

92 41.4 97.1 145.7#

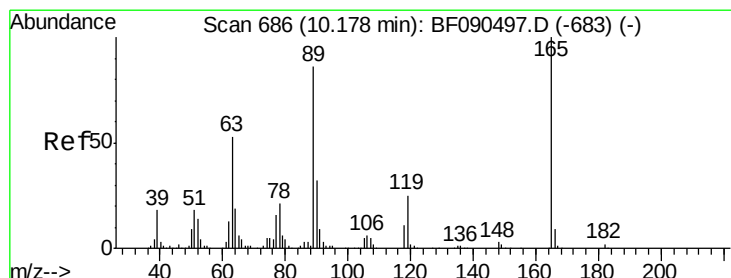
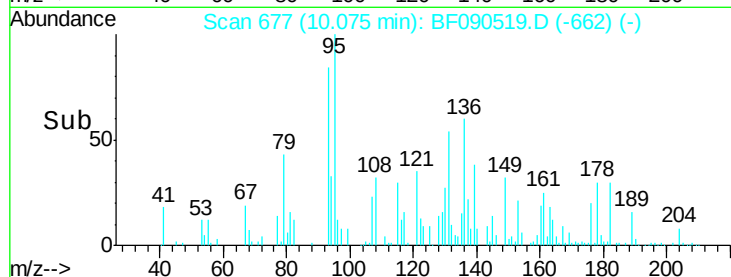
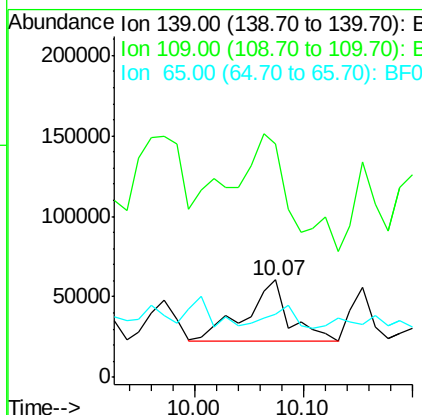
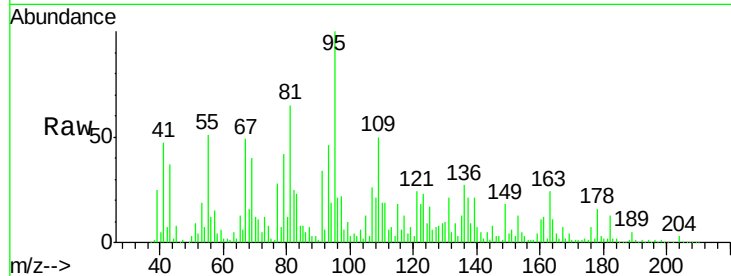




#55
4-Nitrophenol
Concen: 12.50 ng
RT: 10.07 min Scan# 677
Delta R.T. -0.03 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

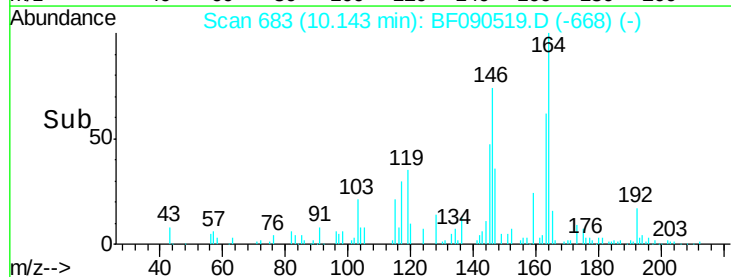
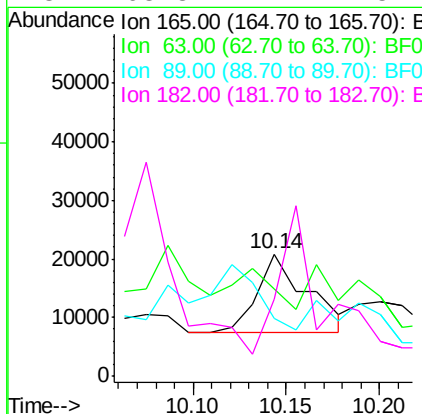
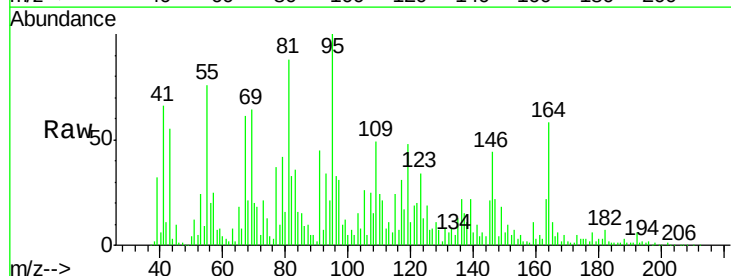
Instrument :
BNA_F
ClientSampleId :
S8-0613

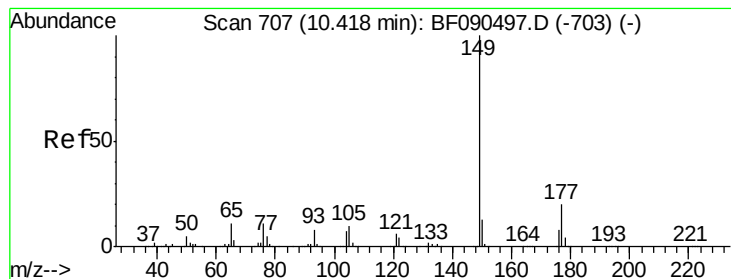
Tgt Ion:139 Resp: 108076
Ion Ratio Lower Upper
139 100
109 239.8 43.6 83.6#
65 64.4 87.5 127.5#



#56
2,4-Dinitrotoluene
Concen: 2.12 ng
RT: 10.14 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

Tgt Ion:165 Resp: 25095
Ion Ratio Lower Upper
165 100
63 71.5 17.8 26.6#
89 47.6 33.2 49.8
182 63.3 2.1 3.1#





#59

Diethylphthalate

Concen: 34.57 ng

RT: 10.42 min Scan# 707

Delta R.T. 0.00 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

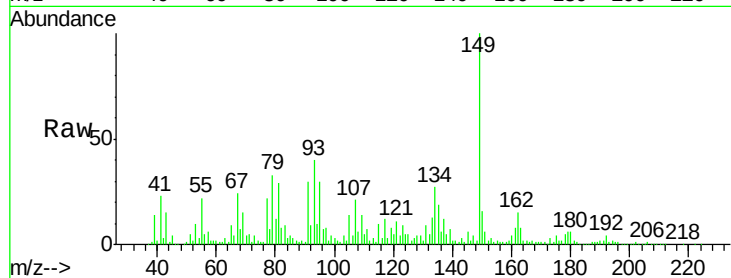
Tgt Ion:149 Resp: 1428075

Ion Ratio Lower Upper

149 100

177 2.0 21.1 31.7#

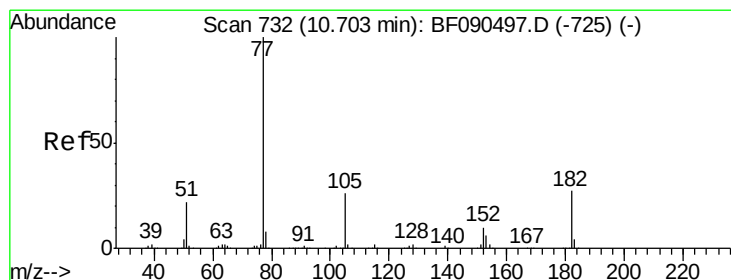
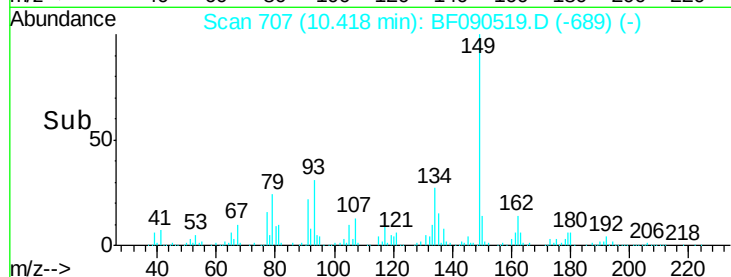
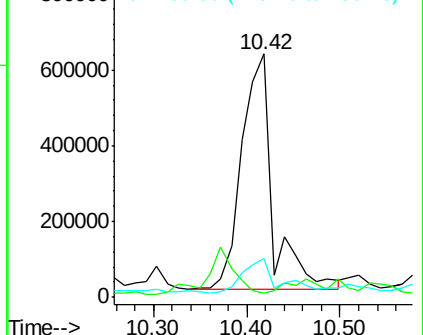
150 15.8 10.2 15.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#62

Azobenzene

Concen: 4.46 ng

RT: 10.73 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Tgt Ion: 77 Resp: 201250

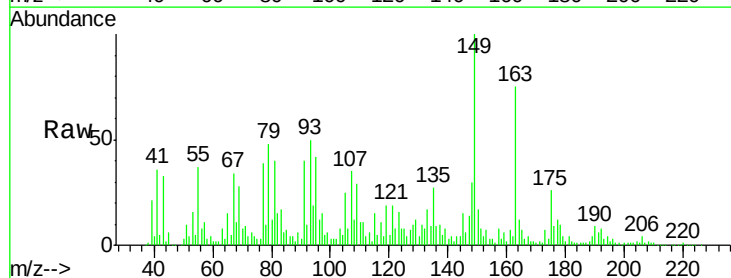
Ion Ratio Lower Upper

77 100

182 5.2 3.2 43.2

105 65.8 2.9 42.9#

51 25.4 14.2 54.2

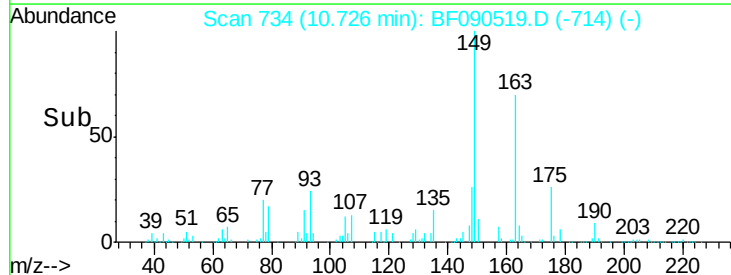
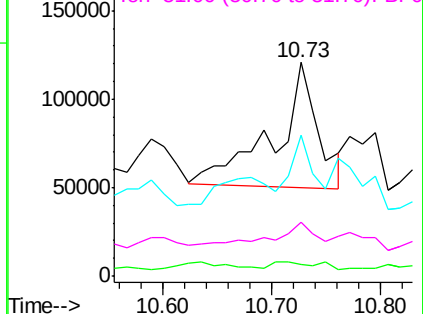


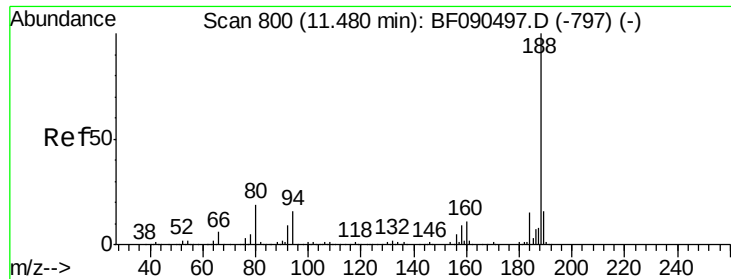
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0

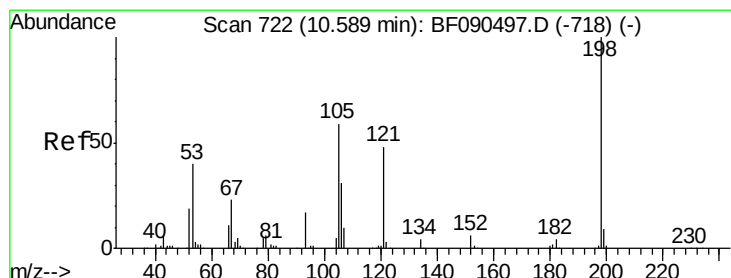
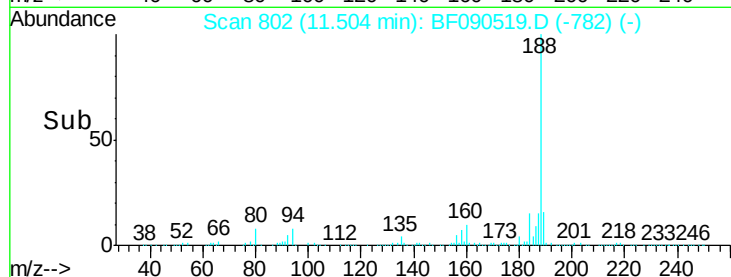
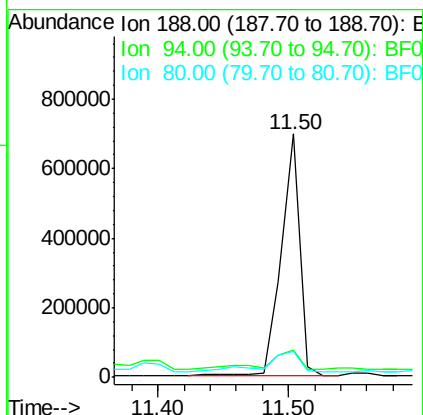
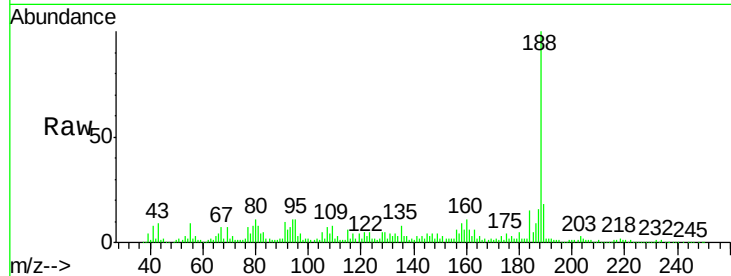




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.50 min Scan# 802
 Delta R.T. 0.02 min
 Lab File: BF090519.D
 Acq: 11 Oct 2016 23:08

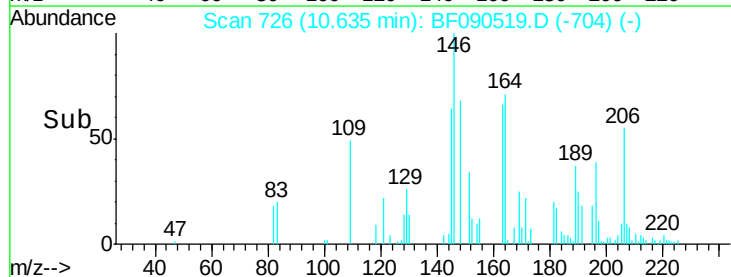
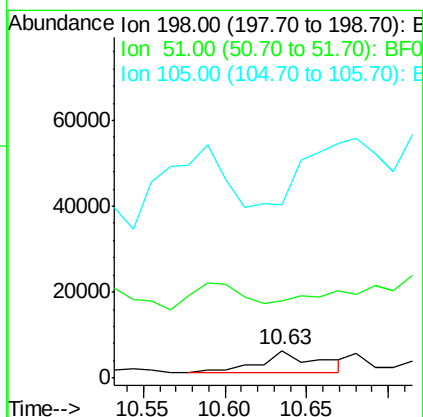
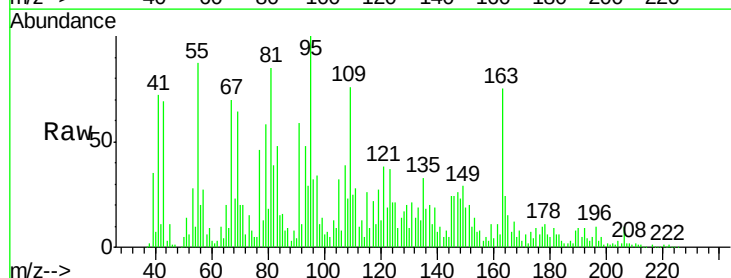
Instrument :
 BNA_F
 ClientSampleId :
 S8-0613

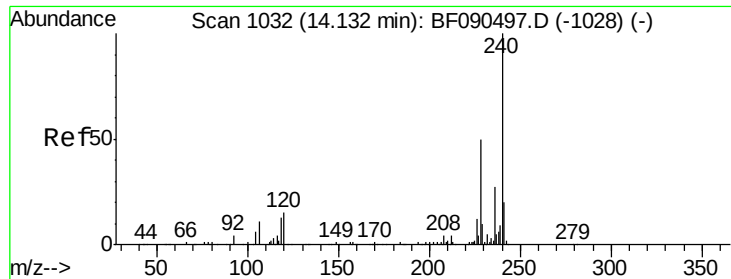
Tgt Ion:188 Resp: 690140
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.2 12.2
 80 10.7 8.8 13.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.89 ng
 RT: 10.63 min Scan# 726
 Delta R.T. 0.05 min
 Lab File: BF090519.D
 Acq: 11 Oct 2016 23:08

Tgt Ion:198 Resp: 13333
 Ion Ratio Lower Upper
 198 100
 51 279.7 67.3 107.3#
 105 633.6 42.6 82.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

Instrument :

BNA_F

ClientSampleId :

S8-0613

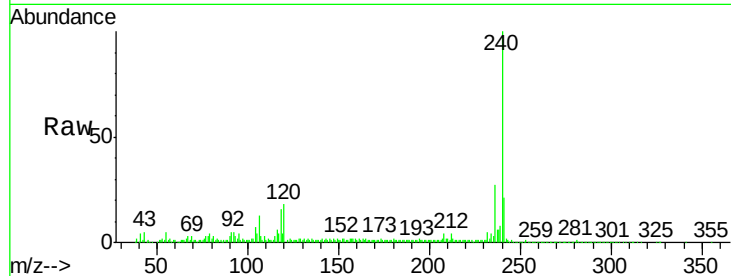
Tgt Ion:240 Resp: 464630

Ion Ratio Lower Upper

240 100

120 17.8 8.6 13.0#

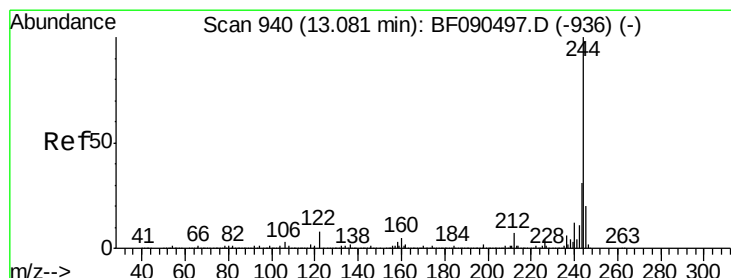
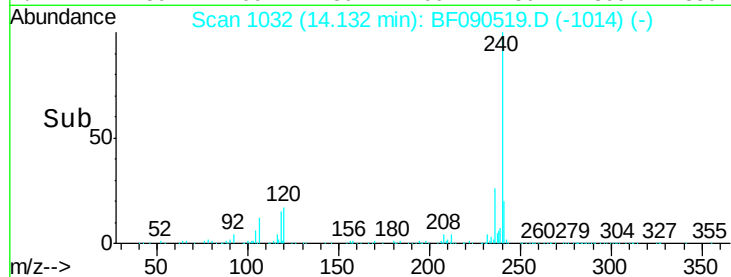
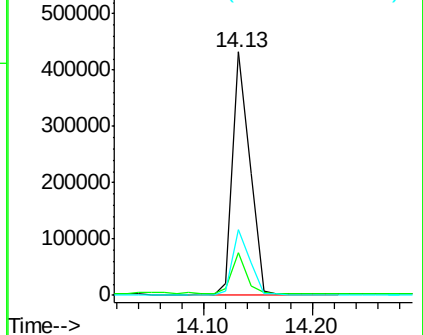
236 26.8 21.6 32.4



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: 88.72 ng

RT: 13.08 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF090519.D

Acq: 11 Oct 2016 23:08

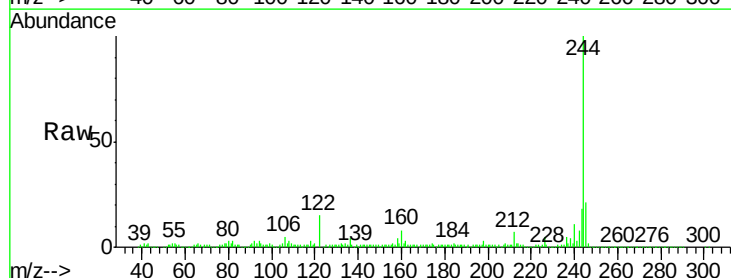
Tgt Ion:244 Resp: 1686816

Ion Ratio Lower Upper

244 100

212 7.1 6.8 10.2

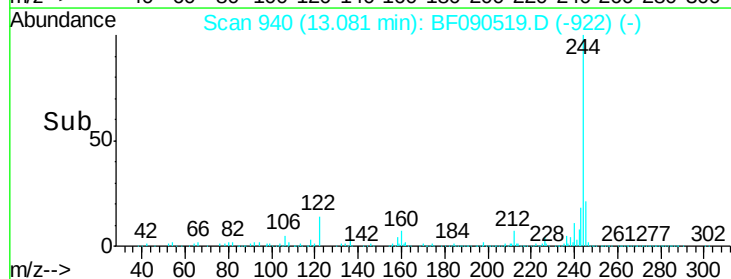
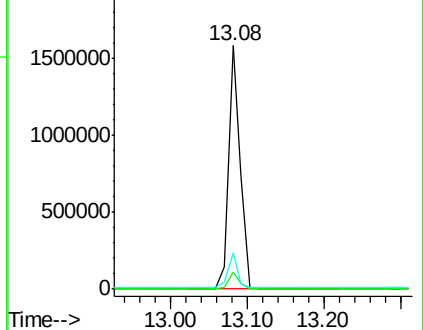
122 15.0 13.3 19.9

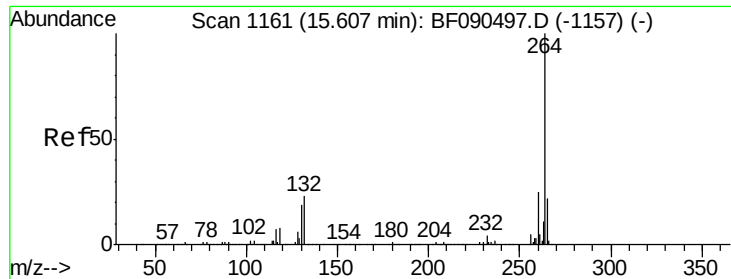


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.62 min Scan# 1162
Delta R.T. 0.01 min
Lab File: BF090519.D
Acq: 11 Oct 2016 23:08

Instrument :
BNA_F
ClientSampleId :
S8-0613

Tgt Ion: 264 Resp: 419310
Ion Ratio Lower Upper
264 100
260 24.5 19.3 28.9
265 21.9 17.4 26.0

