

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
 Data File : BF090525.D
 Acq On : 12 Oct 2016 2:19
 Operator : UM/SJ
 Sample : H5140-02DL 20X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

Quant Time: Oct 12 05:38:48 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

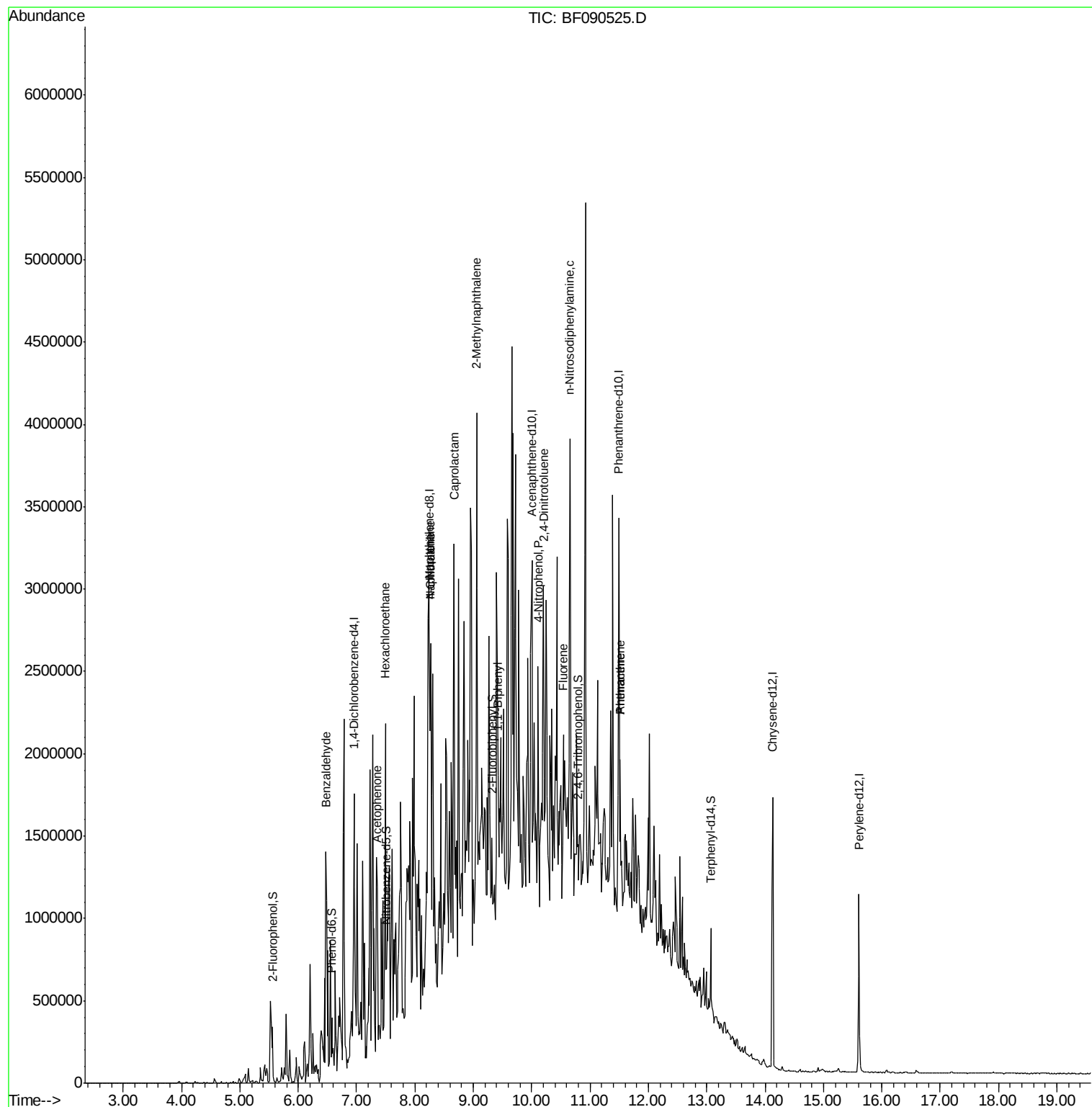
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	231522	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	934690	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	503901	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	852810	20.00	ng	0.01
75) Chrysene-d12	14.13	240	698517	20.00	ng	0.00
86) Perylene-d12	15.61	264	477285	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	82044	5.51	ng	0.00
7) Phenol-d6	6.58	99	106779	5.69	ng	-0.01
23) Nitrobenzene-d5	7.51	82	95105	5.52	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	21929	4.39	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	131798	4.40	ng	0.00
78) Terphenyl-d14	13.07	244	125492	4.39	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.47	77	55205	4.67	ng	# 1
18) Hexachloroethane	7.49	117	101127	15.72	ng	# 1
22) Acetophenone	7.35	105	223720	10.87	ng	# 51
31) Naphthalene	8.27	128	819041	17.59	ng	# 99
33) 4-Chloroaniline	8.27	127	141002	7.15	ng	# 39
35) Caprolactam	8.67	113	67100	17.26	ng	# 74
37) 2-Methylnaphthalene	9.06	142	729910	23.35	ng	# 98
45) 1,1'-Biphenyl	9.42	154	194682	5.06	ng	# 93
55) 4-Nitrophenol	10.11	139	35652	4.94	ng	# 50
56) 2,4-Dinitrotoluene	10.20	165	20899	2.11	ng	# 52
57) Fluorene	10.54	166	112695	3.35	ng	# 77
65) n-Nitrosodiphenylamine	10.66	169	194865	7.03	ng	# 46
70) Phenanthrene	11.51	178	362100	7.70	ng	# 96
71) Anthracene	11.51	178	362100	7.60	ng	# 96

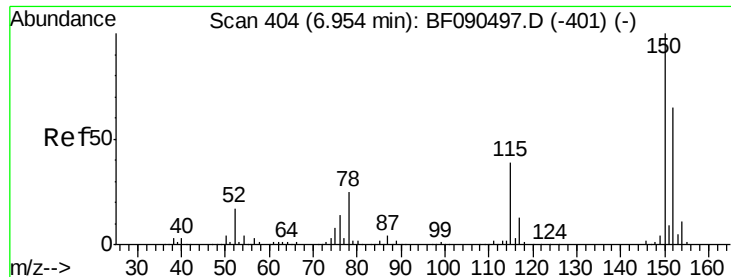
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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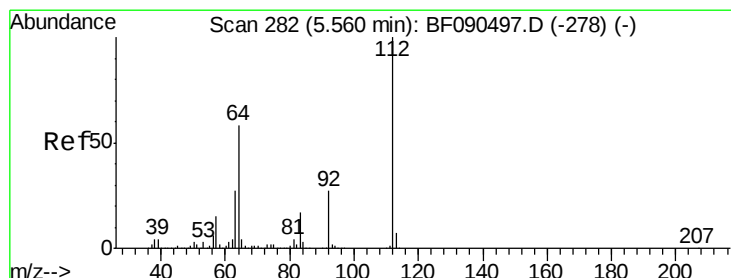
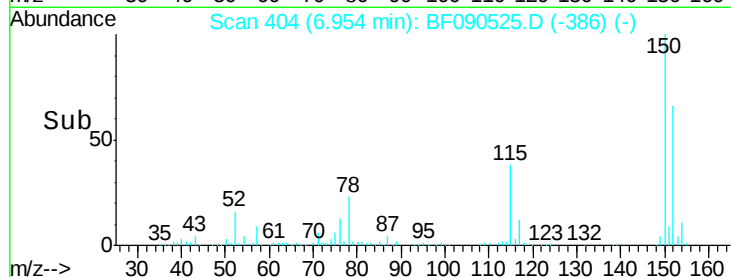
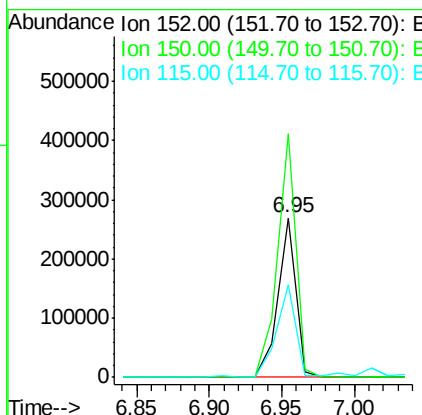
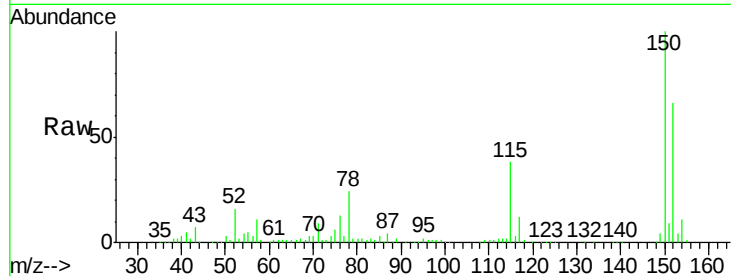




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.95 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF090525.D
 Acq: 12 Oct 2016 2:19

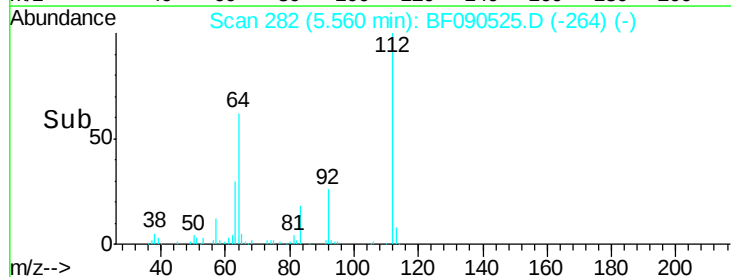
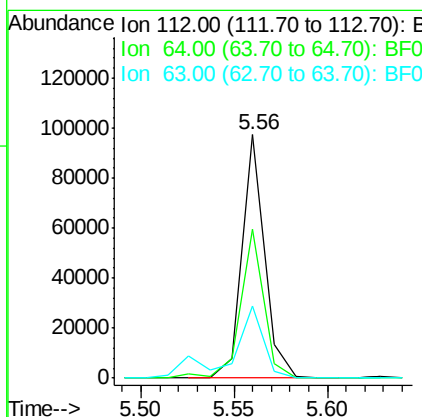
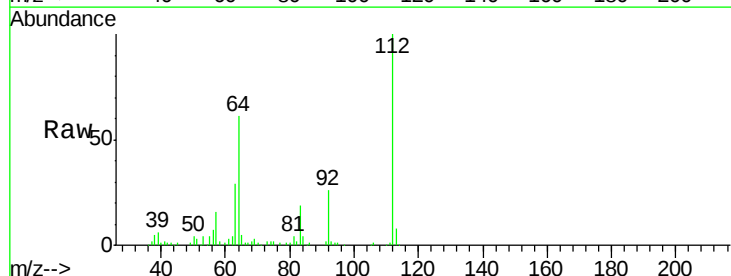
Instrument :
 BNA_F
 ClientSampled :
 T-6DL

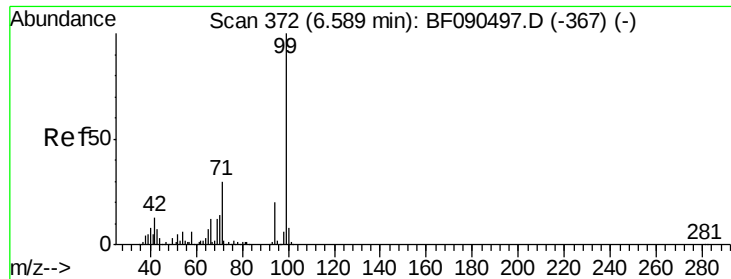
Tgt Ion:152 Resp: 231522
 Ion Ratio Lower Upper
 152 100
 150 152.5 124.6 186.8
 115 58.3 46.2 69.4



#5
 2-Fluorophenol
 Concen: 5.51 ng
 RT: 5.56 min Scan# 282
 Delta R.T. 0.00 min
 Lab File: BF090525.D
 Acq: 12 Oct 2016 2:19

Tgt Ion:112 Resp: 82044
 Ion Ratio Lower Upper
 112 100
 64 61.3 57.9 86.9
 63 29.4 29.6 44.4#





#7

Phenol-d6

Concen: 5.69 ng

RT: 6.58 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

Instrument :

BNA_F

ClientSampleID :

T-6DL

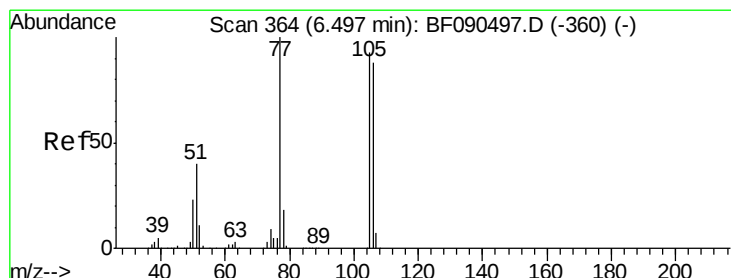
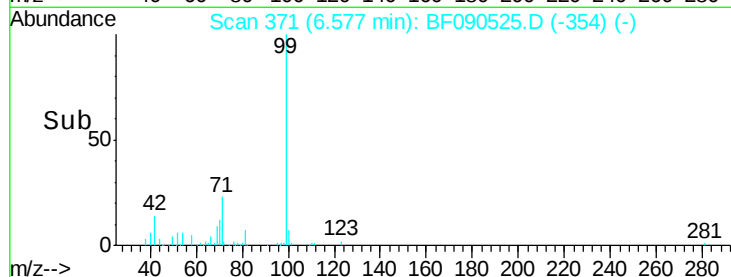
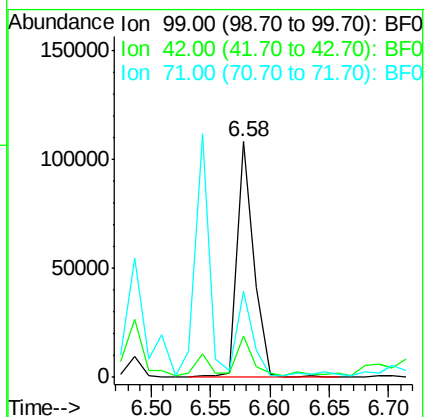
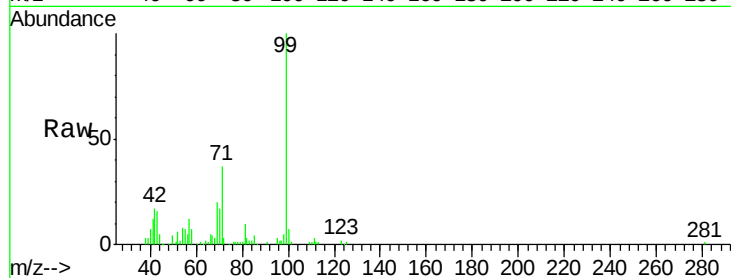
Tgt Ion: 99 Resp: 106779

Ion Ratio Lower Upper

99 100

42 17.3 20.0 30.0#

71 36.8 27.9 41.9



#9

Benzaldehyde

Concen: 4.67 ng

RT: 6.47 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

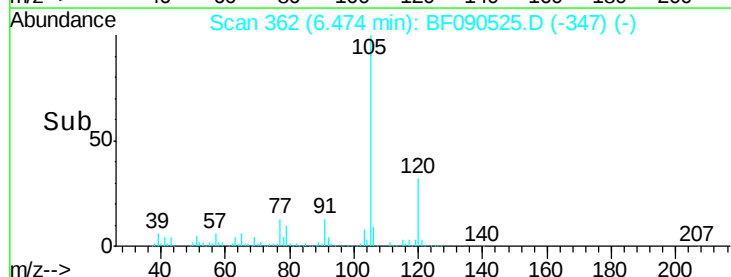
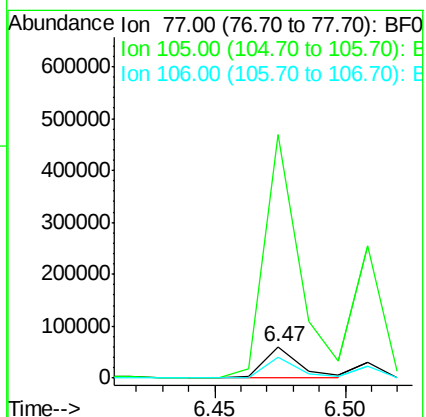
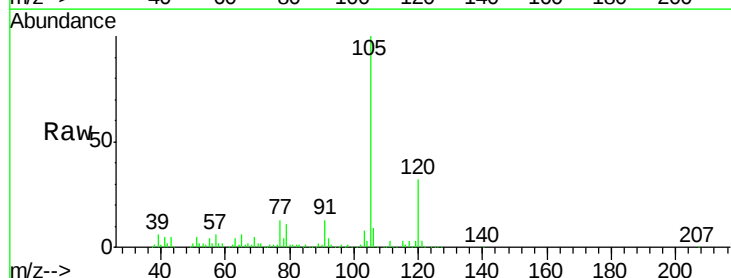
Tgt Ion: 77 Resp: 55205

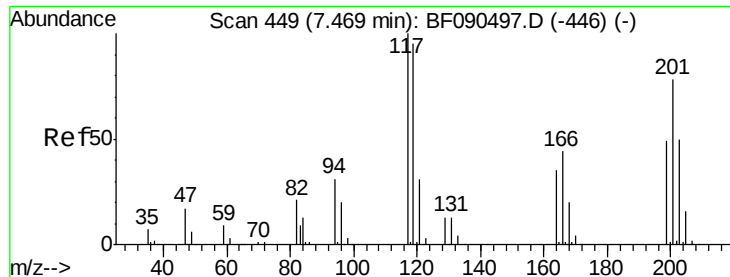
Ion Ratio Lower Upper

77 100

105 771.3 73.1 113.1#

106 68.3 70.2 110.2#

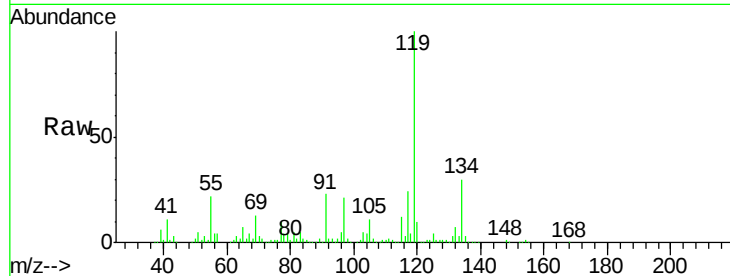




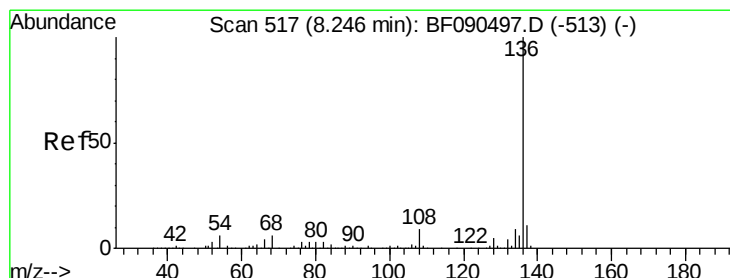
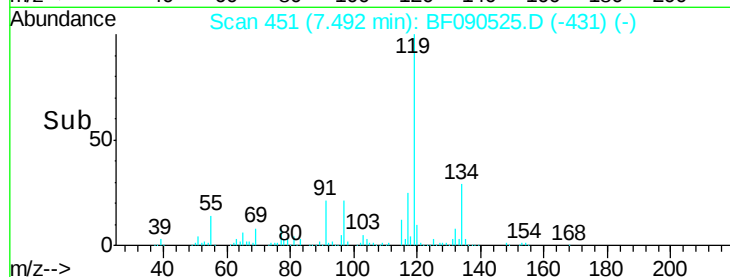
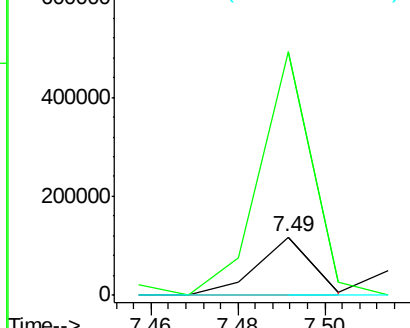
#18
Hexachloroethane
Concen: 15.72 ng
RT: 7.49 min Scan# 451
Delta R.T. 0.02 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

Instrument :
BNA_F
ClientSampleId :
T-6DL

Tgt Ion:117 Resp: 101127
Ion Ratio Lower Upper
117 100
119 419.1 75.9 113.9#
201 0.0 66.5 99.7#



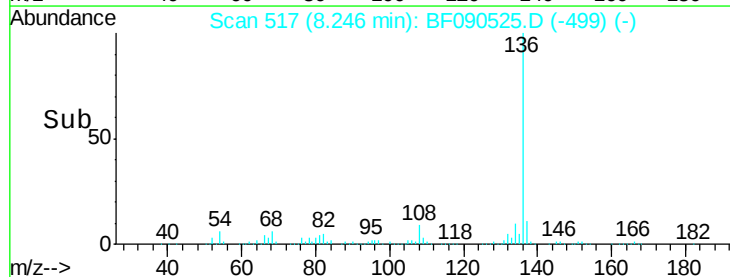
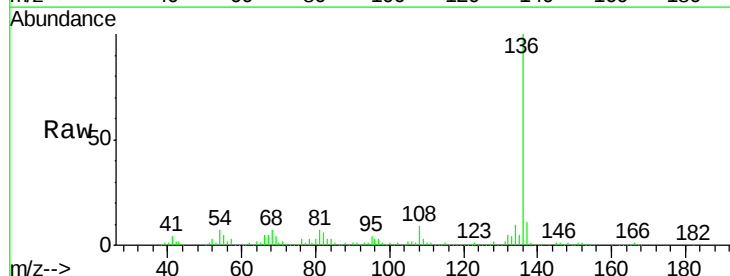
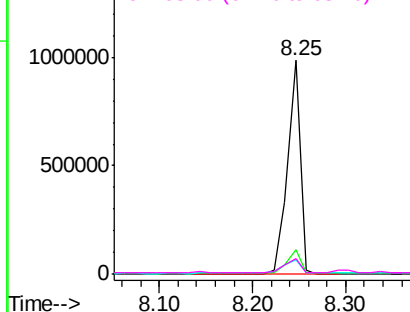
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

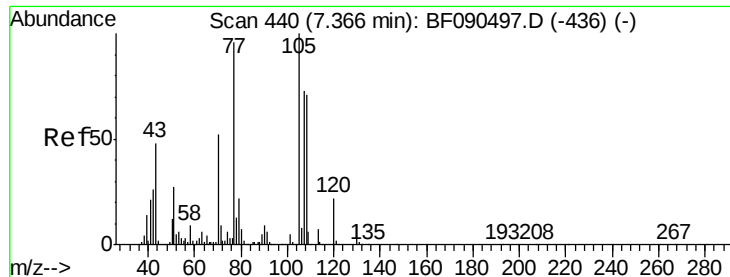


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

Tgt Ion:136 Resp: 934690
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 6.7 6.6 10.0
68 7.1 5.0 7.6

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





#22

Acetophenone

Concen: 10.87 ng

RT: 7.35 min Scan# 439

Delta R.T. -0.01 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

Instrument :

BNA_F

ClientSampleId :

T-6DL

Tgt Ion: 105 Resp: 223720

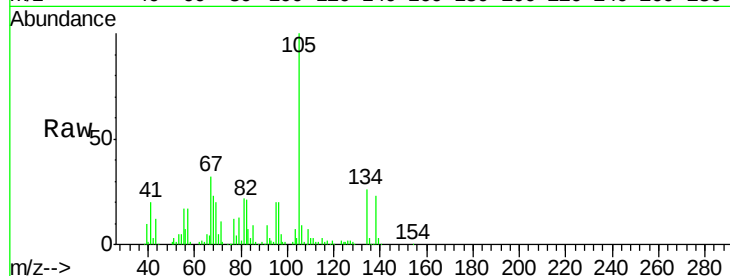
Ion Ratio Lower Upper

105 100

71 11.2 3.8 5.6#

51 3.3 28.2 42.4#

120 0.2 17.4 26.2#



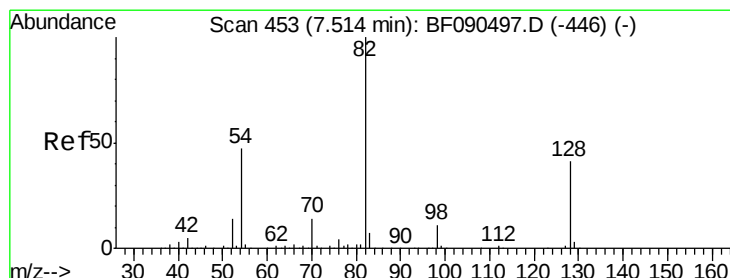
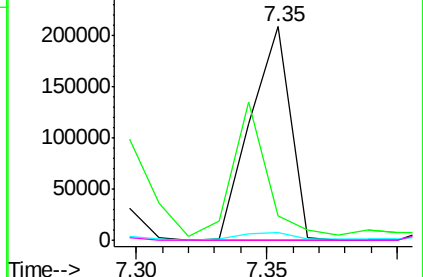
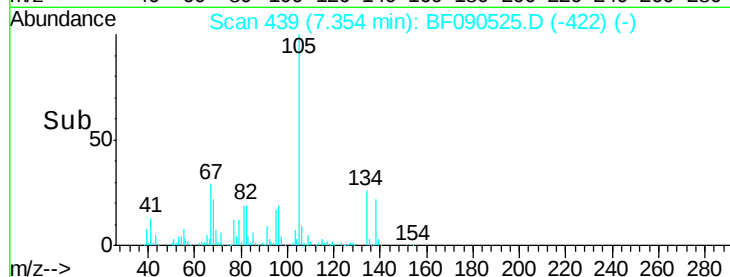
Abundance Ion 105.00 (104.70 to 105.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 5.52 ng

RT: 7.51 min Scan# 453

Delta R.T. 0.00 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

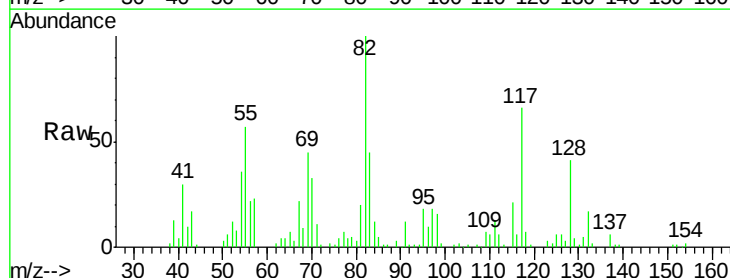
Tgt Ion: 82 Resp: 95105

Ion Ratio Lower Upper

82 100

128 40.9 40.0 60.0

54 35.8 42.6 64.0#

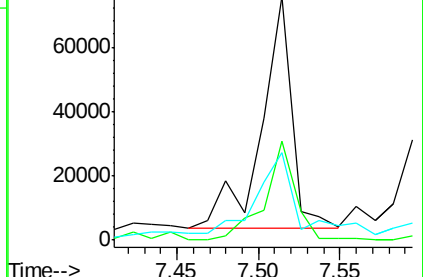
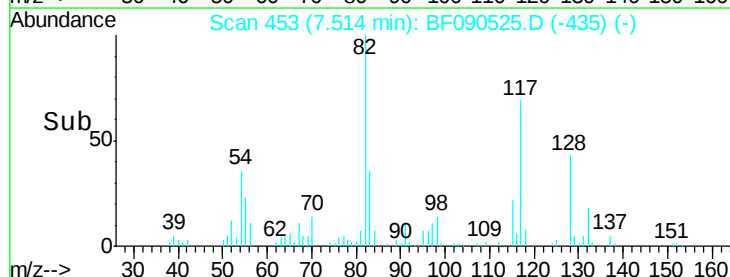


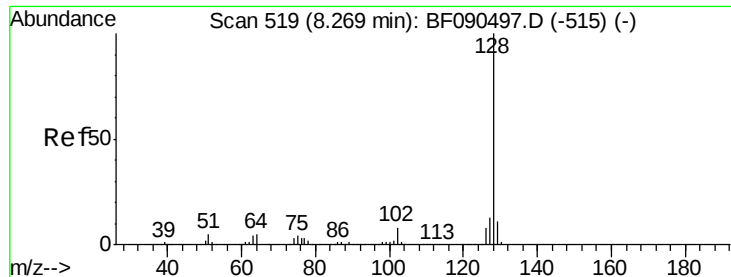
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

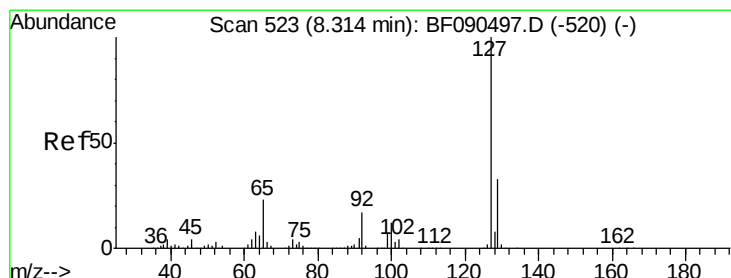
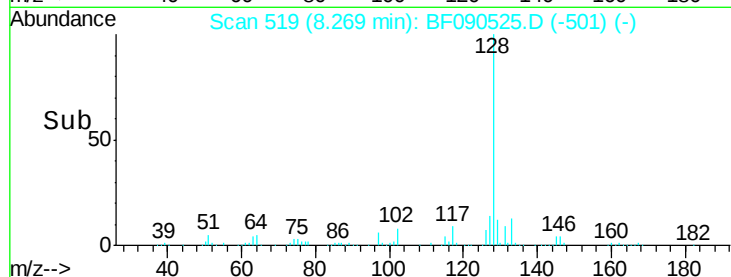
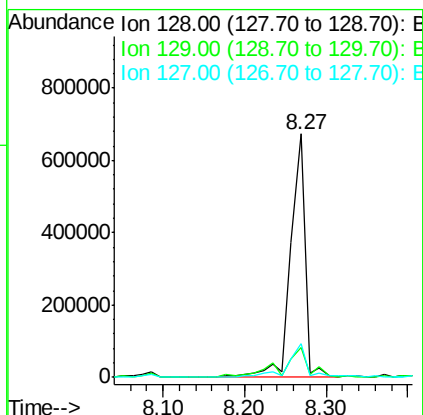
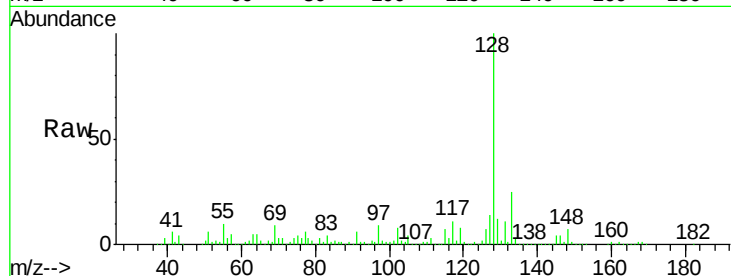




#31
Naphthalene
Concen: 17.59 ng
RT: 8.27 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

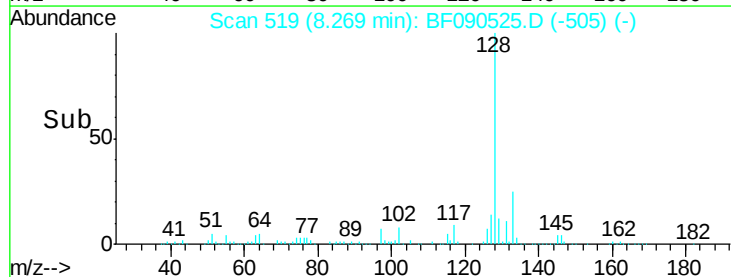
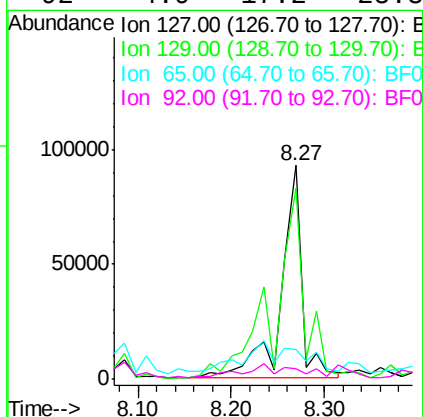
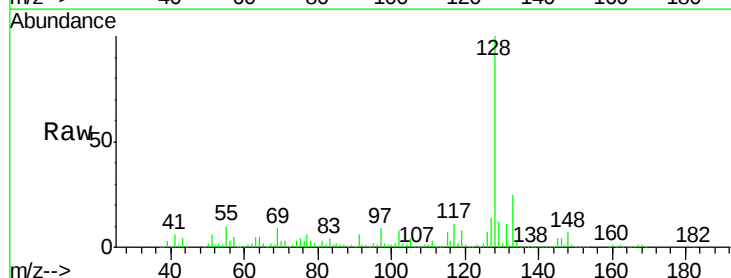
Instrument :
BNA_F
ClientSampled :
T-6DL

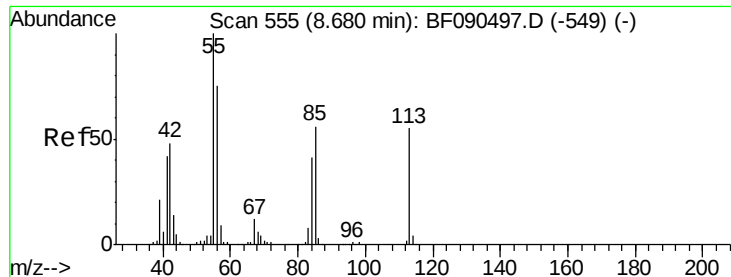
Tgt Ion:128 Resp: 819041
Ion Ratio Lower Upper
128 100
129 12.4 9.7 14.5
127 13.8 11.7 17.5



#33
4-Chloroaniline
Concen: 7.15 ng
RT: 8.27 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

Tgt Ion:127 Resp: 141002
Ion Ratio Lower Upper
127 100
129 89.6 26.2 39.4#
65 14.0 32.5 48.7#
92 4.9 17.2 25.8#





#35

Caprolactam

Concen: 17.26 ng

RT: 8.67 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

Instrument :

BNA_F

ClientSampleId :

T-6DL

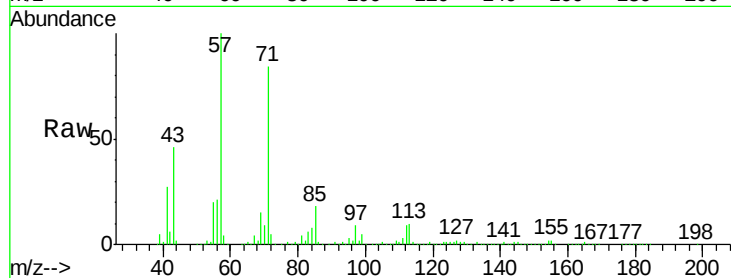
Tgt Ion:113 Resp: 67100

Ion Ratio Lower Upper

113 100

55 188.5 203.3 243.3#

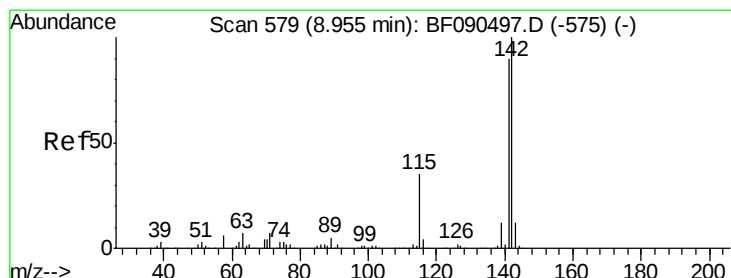
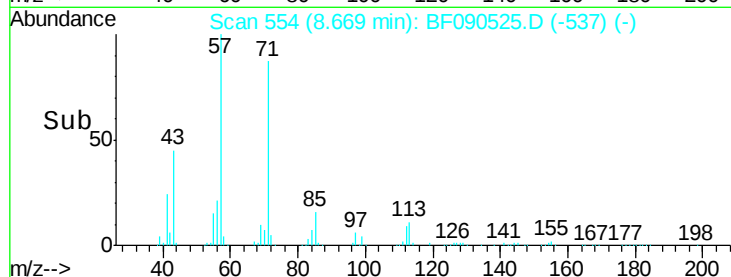
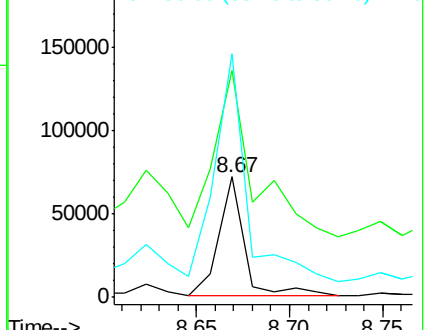
56 202.7 140.5 180.5#



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



#37

2-Methylnaphthalene

Concen: 23.35 ng

RT: 9.06 min Scan# 588

Delta R.T. 0.10 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

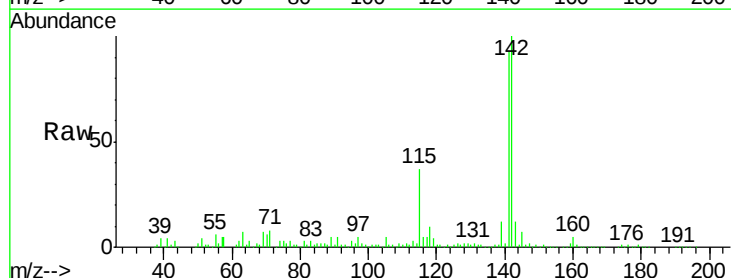
Tgt Ion:142 Resp: 729910

Ion Ratio Lower Upper

142 100

141 92.6 71.8 107.8

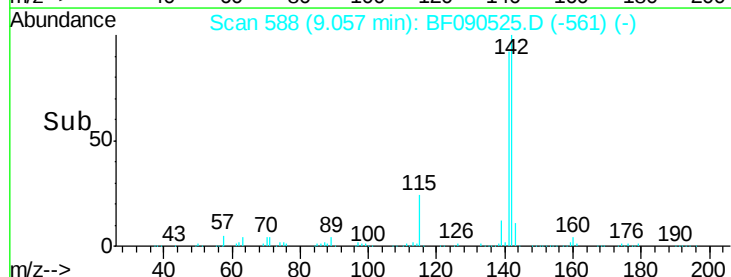
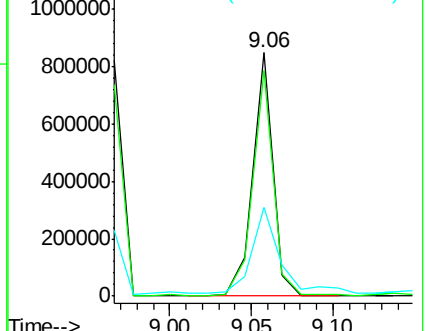
115 36.6 28.8 43.2

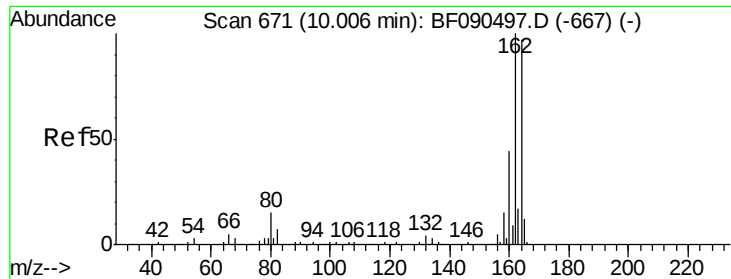


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

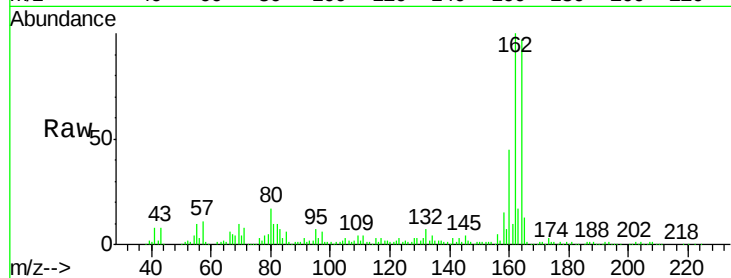




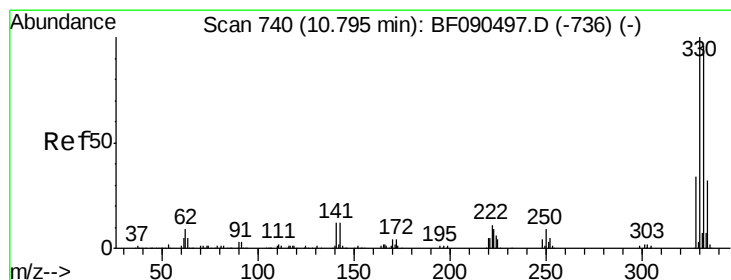
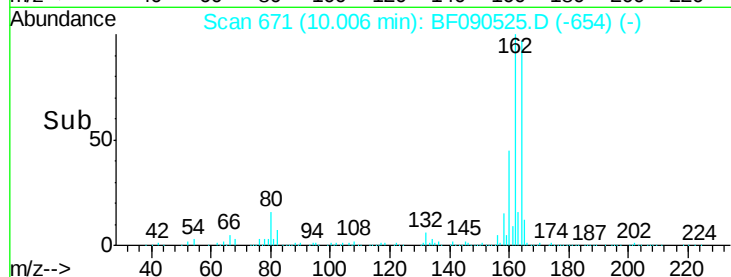
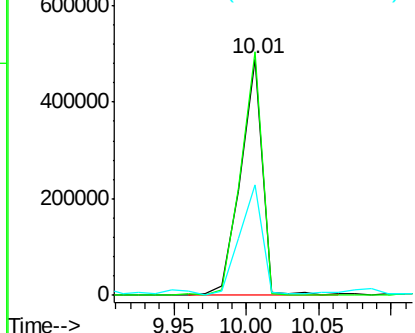
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.01 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

Instrument :
BNA_F
ClientSampleId :
T-6DL

Tgt Ion:164 Resp: 503901
Ion Ratio Lower Upper
164 100
162 103.1 80.1 120.1
160 46.9 36.3 54.5

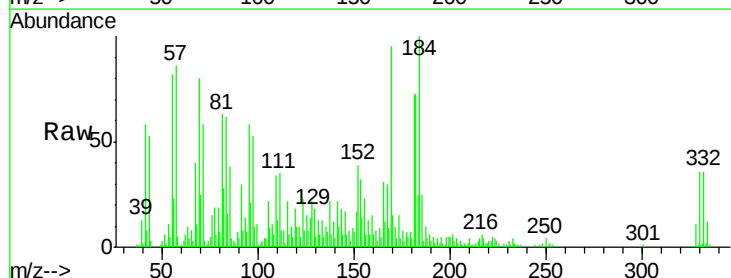


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

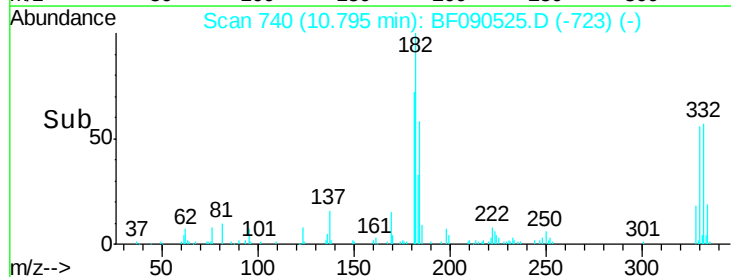
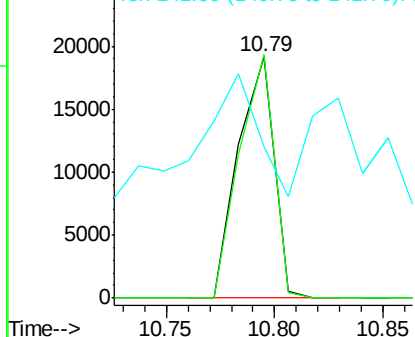


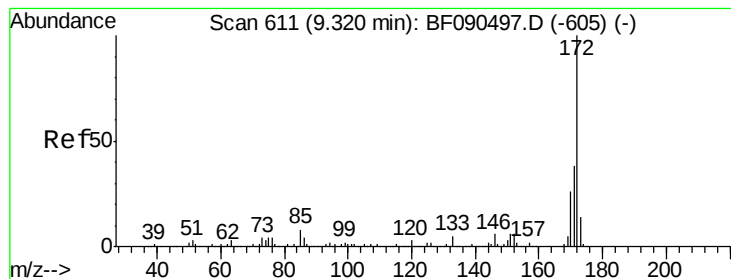
#41
2,4,6-Tribromophenol
Concen: 4.39 ng
RT: 10.79 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

Tgt Ion:330 Resp: 21929
Ion Ratio Lower Upper
330 100
332 97.6 75.4 113.0
141 70.8 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

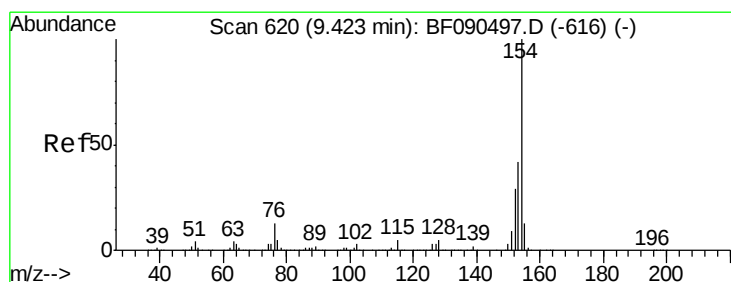
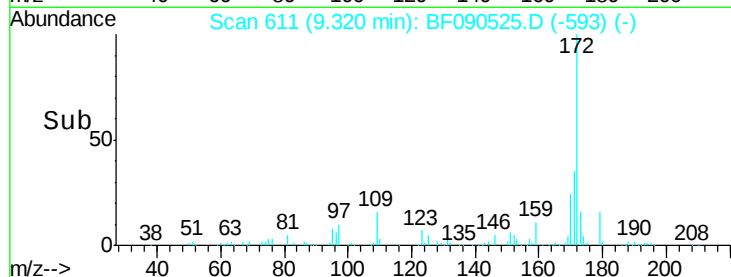
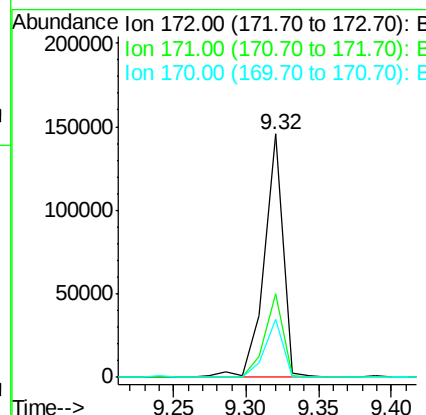
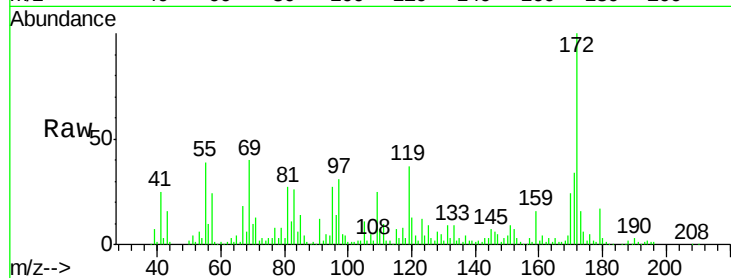




#44
 2-Fluorobiphenyl
 Concen: 4.40 ng
 RT: 9.32 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: BF090525.D
 Acq: 12 Oct 2016 2:19

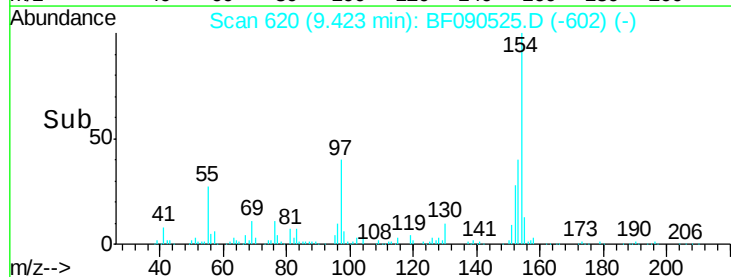
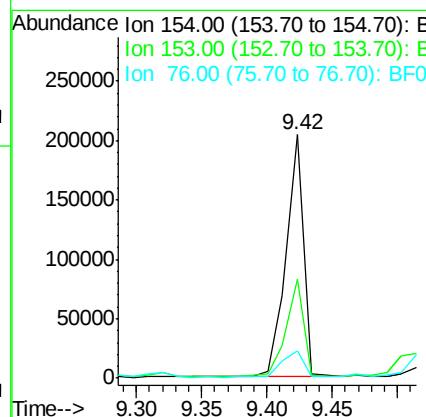
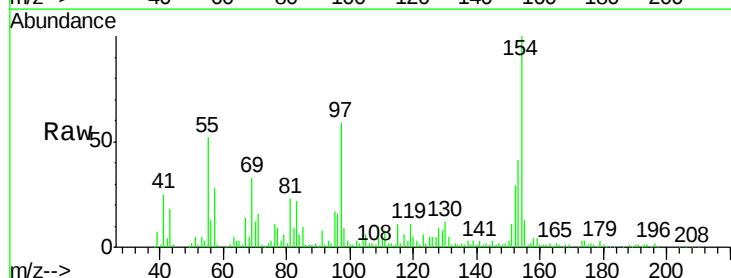
Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

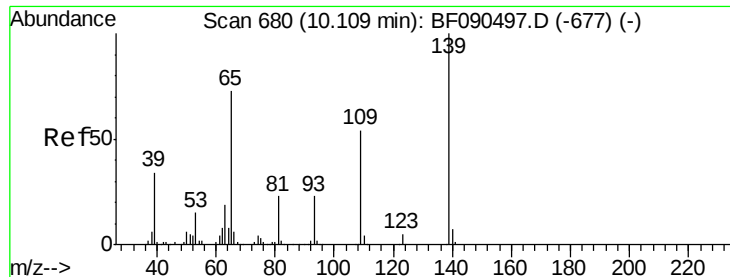
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	31.8	47.8
170	23.7	21.7	32.5



#45
 1,1'-Biphenyl
 Concen: 5.06 ng
 RT: 9.42 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: BF090525.D
 Acq: 12 Oct 2016 2:19

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	23.8	63.8
76	11.1	0.0	35.8

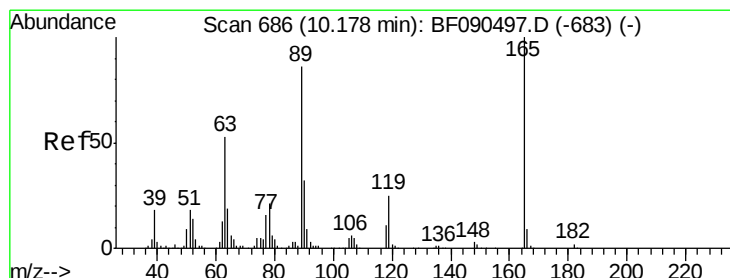
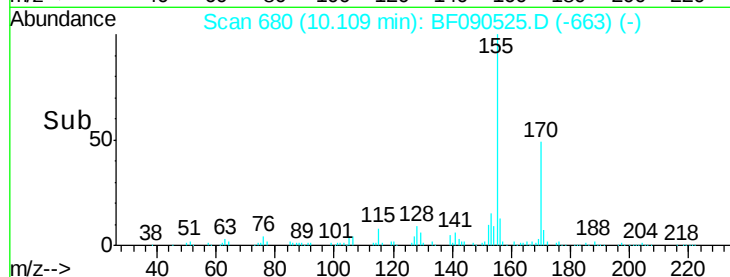
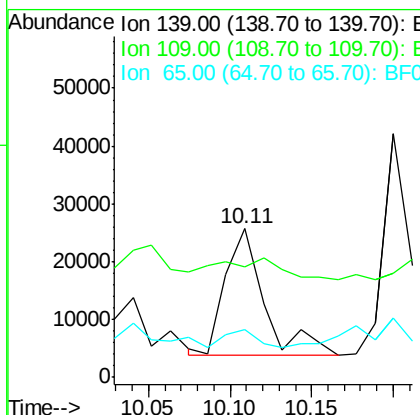
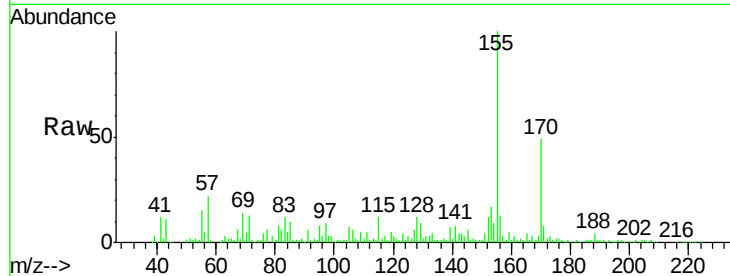




#55
4-Nitrophenol
Concen: 4.94 ng
RT: 10.11 min Scan# 680
Delta R.T. 0.00 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

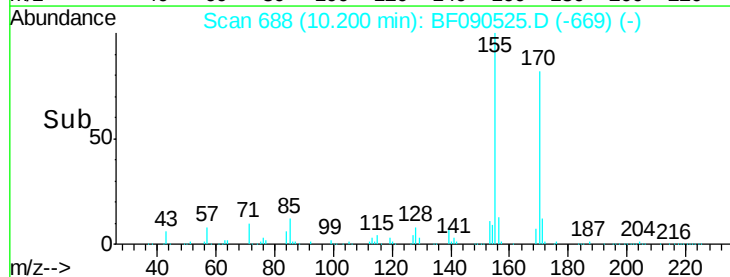
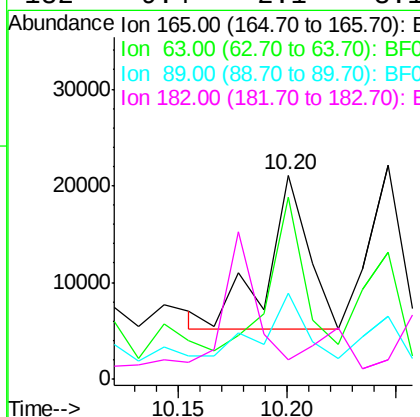
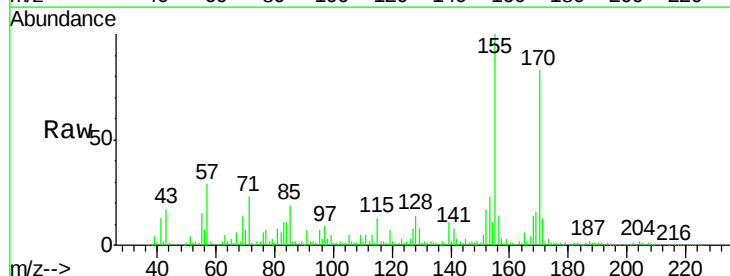
Instrument :
BNA_F
ClientSampleId :
T-6DL

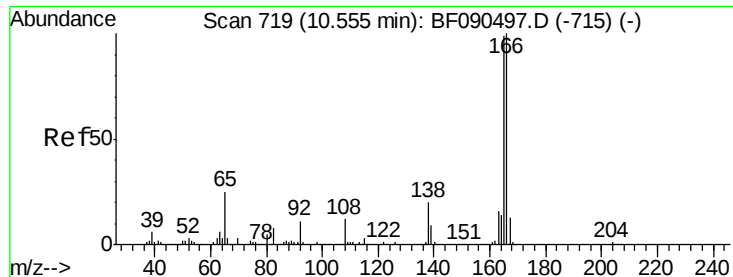
Tgt Ion:139 Resp: 35652
Ion Ratio Lower Upper
139 100
109 74.5 43.6 83.6
65 32.5 87.5 127.5#



#56
2,4-Dinitrotoluene
Concen: 2.11 ng
RT: 10.20 min Scan# 688
Delta R.T. 0.02 min
Lab File: BF090525.D
Acq: 12 Oct 2016 2:19

Tgt Ion:165 Resp: 20899
Ion Ratio Lower Upper
165 100
63 89.2 17.8 26.6#
89 41.8 33.2 49.8
182 9.4 2.1 3.1#

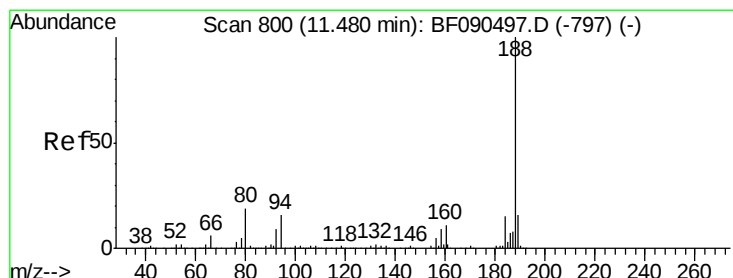
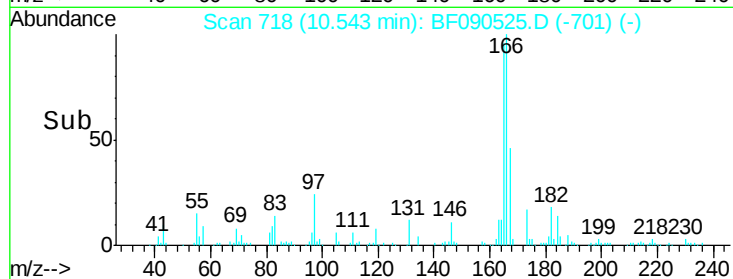
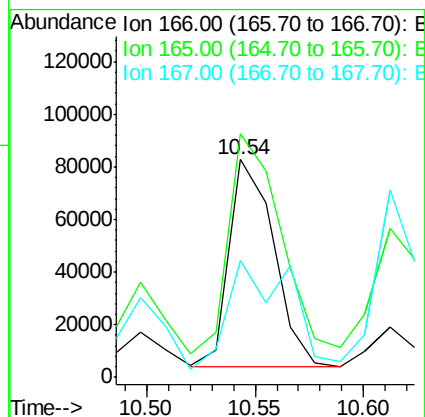
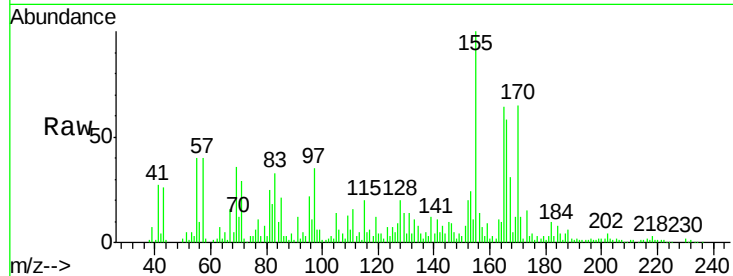




#57
Fluorene
 Concen: 3.35 ng
 RT: 10.54 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: BF090525.D
 Acq: 12 Oct 2016 2:19

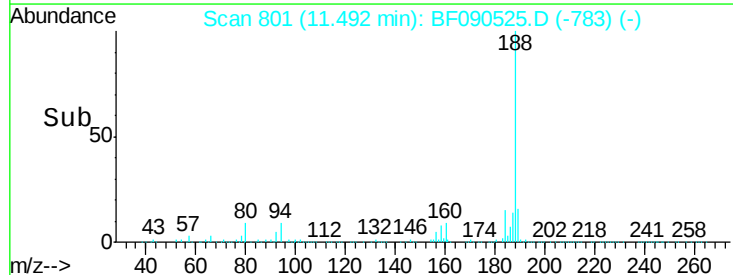
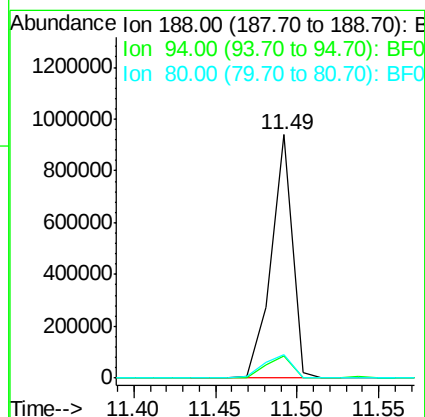
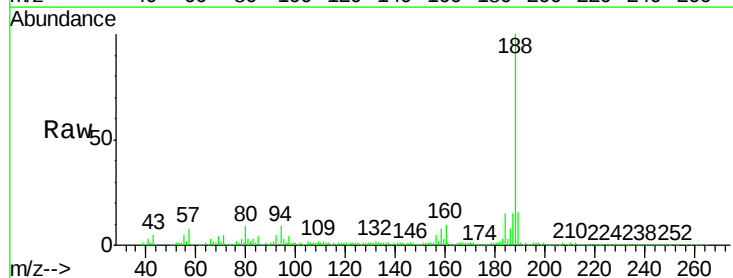
Instrument :
 BNA_F
 ClientSampleId :
 T-6DL

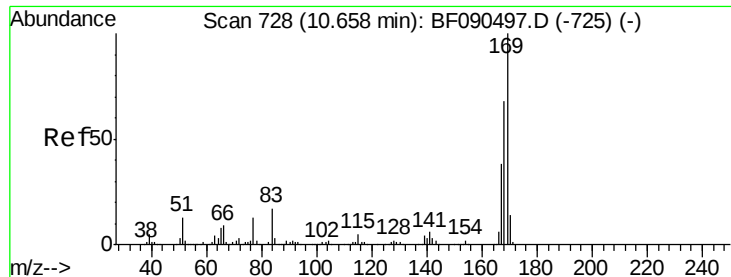
Tgt Ion:166 Resp: 112695
 Ion Ratio Lower Upper
 166 100
 165 111.7 79.2 118.8
 167 53.8 11.1 16.7#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.49 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: BF090525.D
 Acq: 12 Oct 2016 2:19

Tgt Ion:188 Resp: 852810
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.2 12.2
 80 9.5 8.8 13.2





#65

n-Nitrosodiphenylamine

Concen: 7.03 ng

RT: 10.66 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

Instrument :

BNA_F

ClientSampleId :

T-6DL

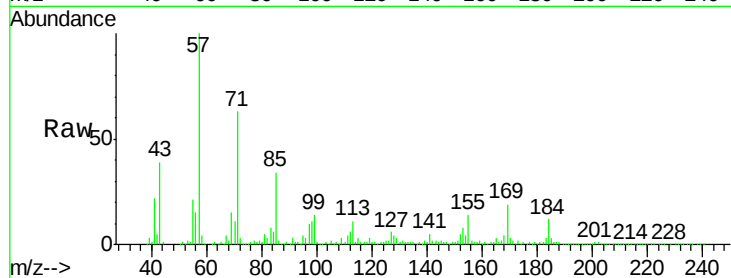
Tgt Ion:169 Resp: 194865

Ion Ratio Lower Upper

169 100

168 19.5 53.8 80.6#

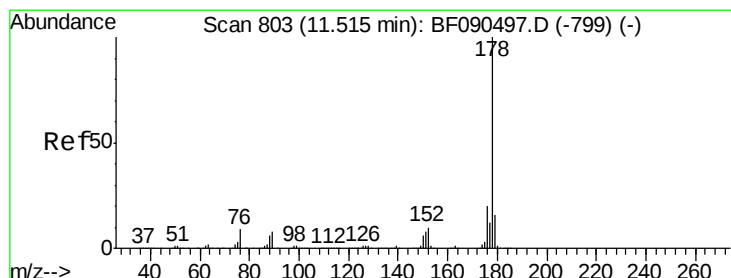
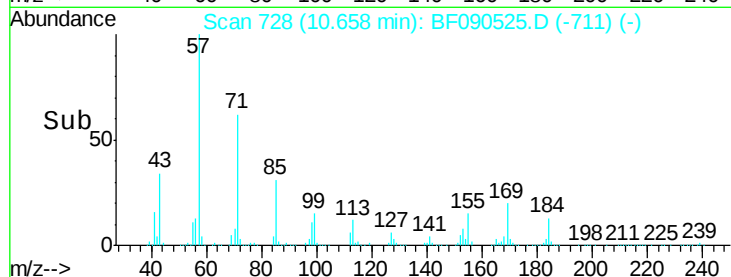
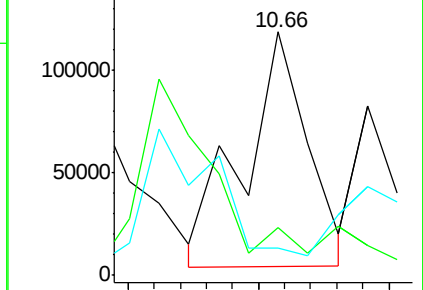
167 11.0 29.8 44.8#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 7.70 ng

RT: 11.51 min Scan# 803

Delta R.T. 0.00 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

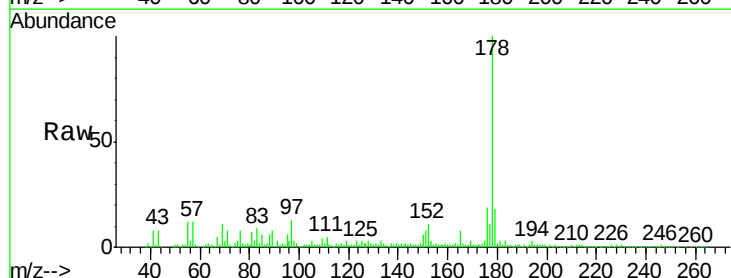
Tgt Ion:178 Resp: 362100

Ion Ratio Lower Upper

178 100

176 19.0 17.3 25.9

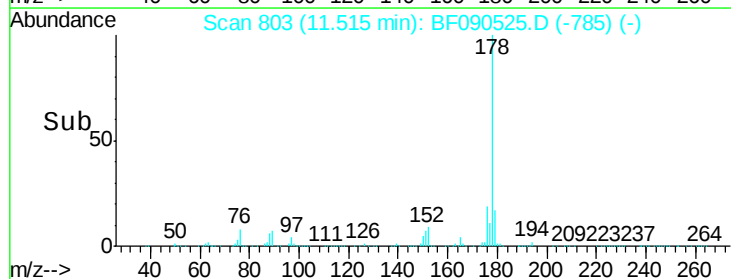
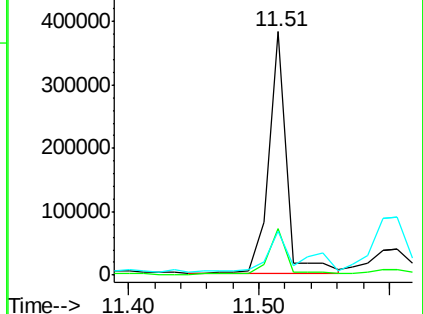
179 18.1 13.8 20.6

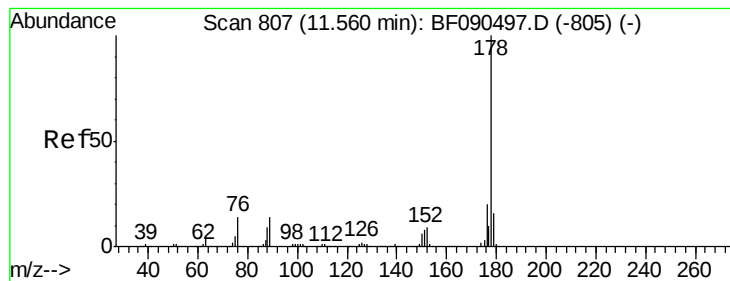


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 7.60 ng

RT: 11.51 min Scan# 803

Delta R.T. -0.05 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

Instrument :

BNA_F

ClientSampleId :

T-6DL

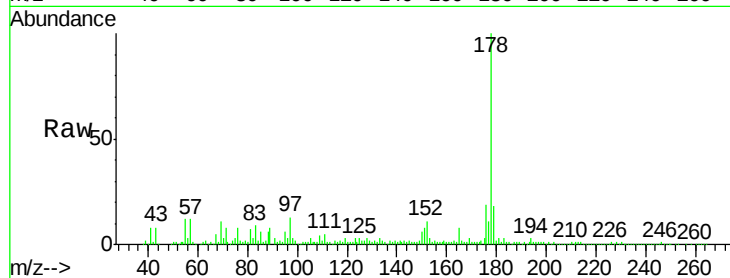
Tgt Ion:178 Resp: 362100

Ion Ratio Lower Upper

178 100

176 19.0 16.8 25.2

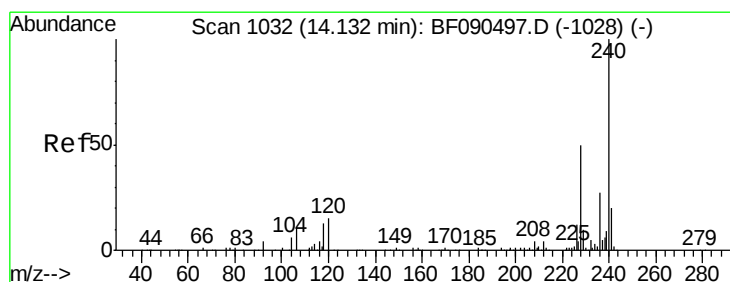
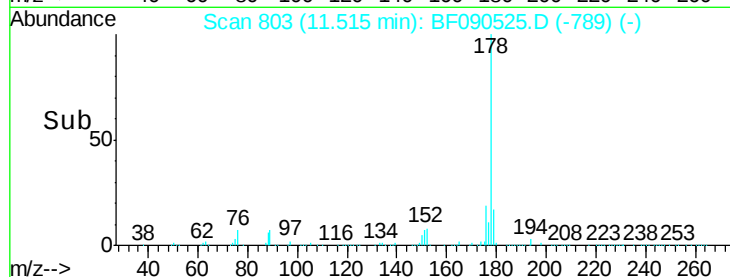
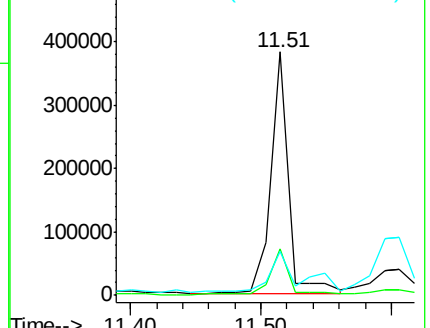
179 18.1 13.4 20.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.13 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

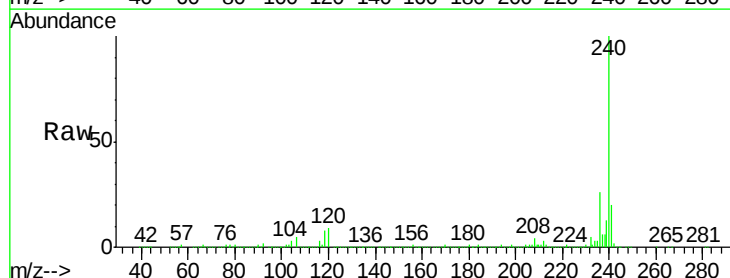
Tgt Ion:240 Resp: 698517

Ion Ratio Lower Upper

240 100

120 8.8 8.6 13.0

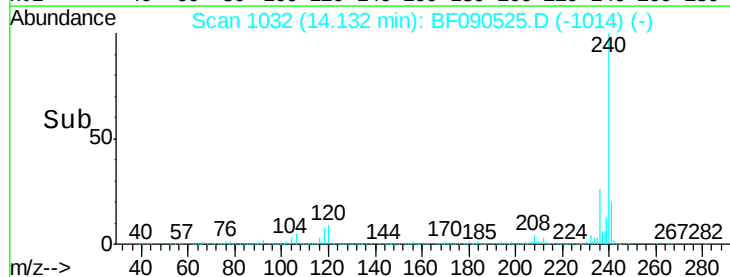
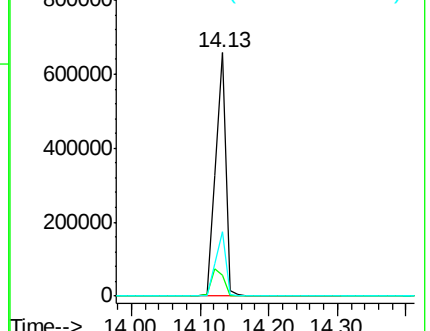
236 26.3 21.6 32.4

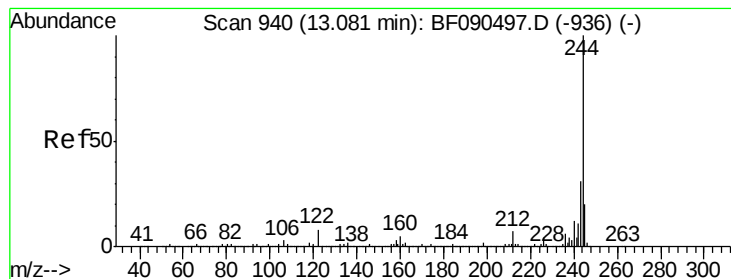


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 4.39 ng

RT: 13.07 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

Instrument :

BNA_F

ClientSampleId :

T-6DL

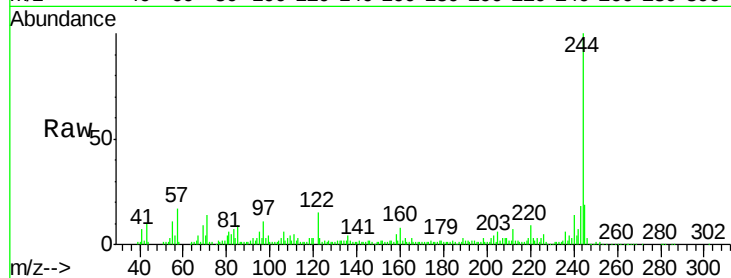
Tgt Ion:244 Resp: 125492

Ion Ratio Lower Upper

244 100

212 7.4 6.8 10.2

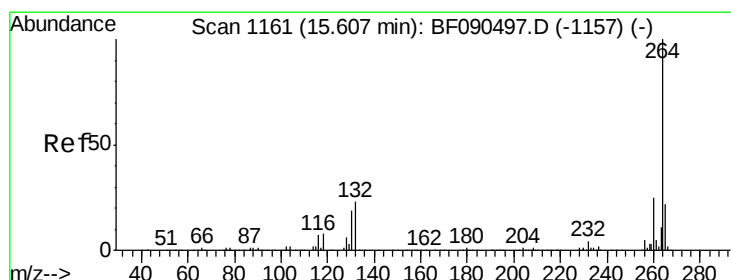
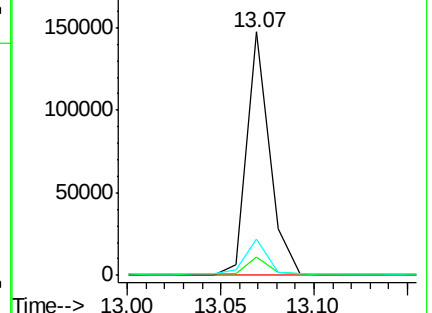
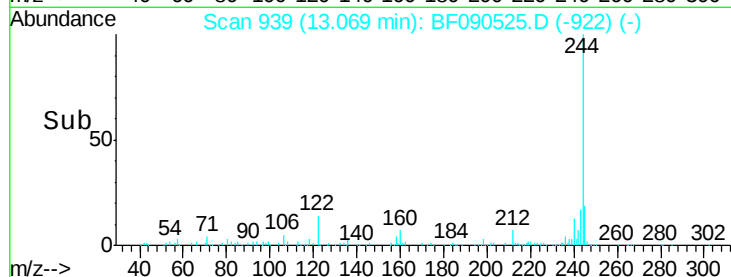
122 14.6 13.3 19.9



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: 15.61 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF090525.D

Acq: 12 Oct 2016 2:19

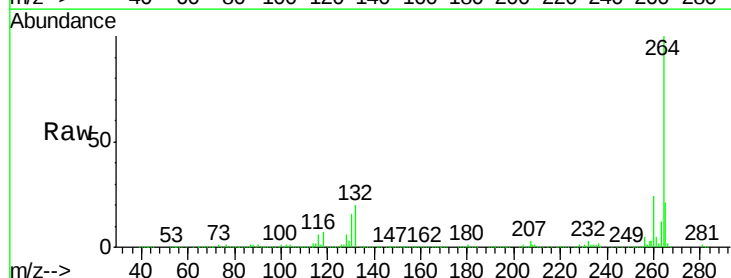
Tgt Ion:264 Resp: 477285

Ion Ratio Lower Upper

264 100

260 24.5 19.3 28.9

265 21.2 17.4 26.0



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

