

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091043.D
 Acq On : 5 Nov 2016 1:41
 Operator : UM/SJ
 Sample : H5493-25 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Quant Time: Nov 05 02:31:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

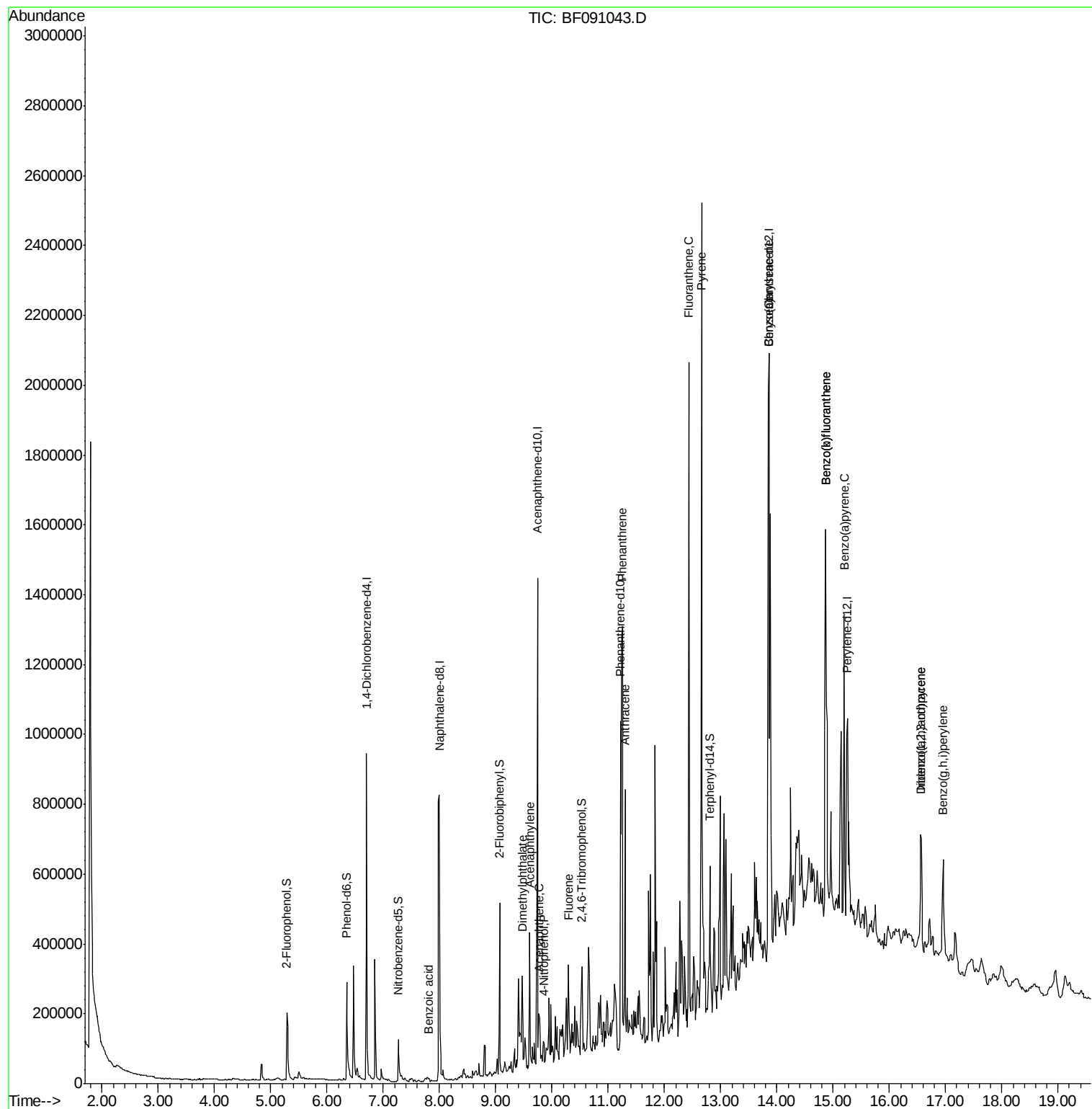
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	168373	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	625461	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	310816	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	420944	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	398335	20.00	ng	0.00
86) Perylene-d12	15.25	264	319564	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	105322	10.33	ng	0.00
7) Phenol-d6	6.35	99	165209	11.94	ng	0.00
23) Nitrobenzene-d5	7.26	82	79038	6.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	24294	8.65	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	165101	9.15	ng	0.00
78) Terphenyl-d14	12.81	244	122739	7.69	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.81	122	210	5.10	ng	# 74
48) Acenaphthylene	9.61	152	200188	7.45	ng	99
49) Dimethylphthalate	9.47	163	54990	2.70	ng	98
51) Acenaphthene	9.78	154	45652	2.71	ng	99
55) 4-Nitrophenol	9.85	139	2381	6.37	ng	# 43
57) Fluorene	10.29	166	125252	6.75	ng	96
70) Phenanthrene	11.25	178	677483	30.28	ng	97
71) Anthracene	11.30	178	279675	11.76	ng	97
74) Fluoranthene	12.43	202	1029799	44.37	ng	98
77) Pyrene	12.66	202	982086	37.65	ng	99
80) Benzo(a)anthracene	13.85	228	661664	29.26	ng	# 90
82) Chrysene	13.85	228	661664	29.67	ng	92
85) Indeno(1,2,3-cd)pyrene	16.56	276	203578	11.00	ng	95
87) Benzo(b)fluoranthene	14.87	252	764480	35.27	ng	# 97
88) Benzo(k)fluoranthene	14.87	252	764480	40.21	ng	99
89) Benzo(a)pyrene	15.20	252	432399	22.92	ng	98
90) Dibenzo(a,h)anthracene	16.57	278	66769	4.09	ng	# 85
91) Benzo(g,h,i)perylene	16.96	276	196419	13.32	ng	98

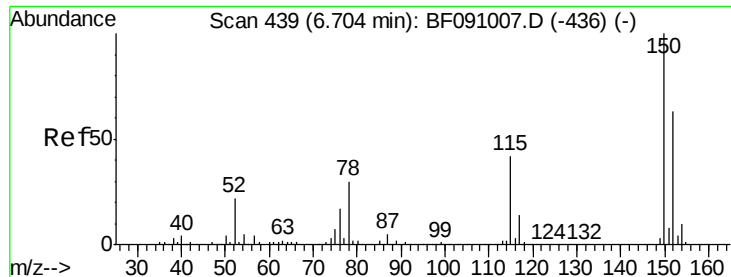
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 05 02:31:40 2016
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QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

ClientSampleId :

SB-6(0-2)

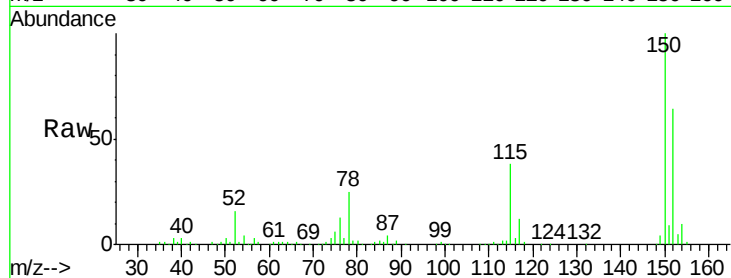
Tgt Ion:152 Resp: 168373

Ion Ratio Lower Upper

152 100

150 157.2 126.8 190.2

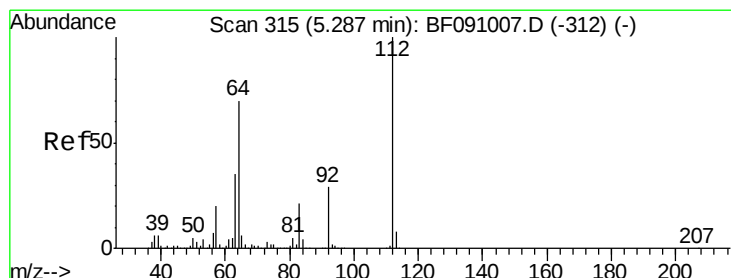
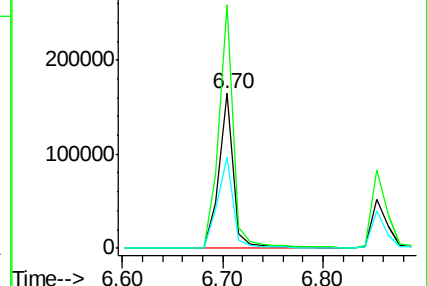
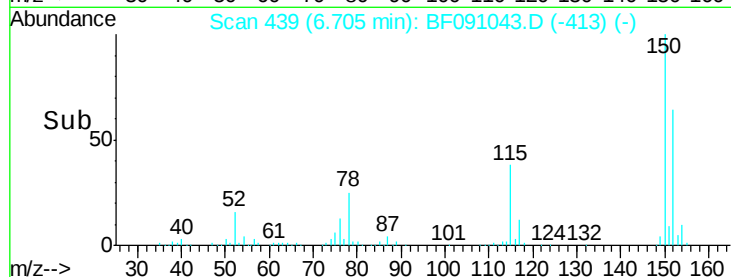
115 59.3 53.3 79.9



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: 10.33 ng

RT: 5.29 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

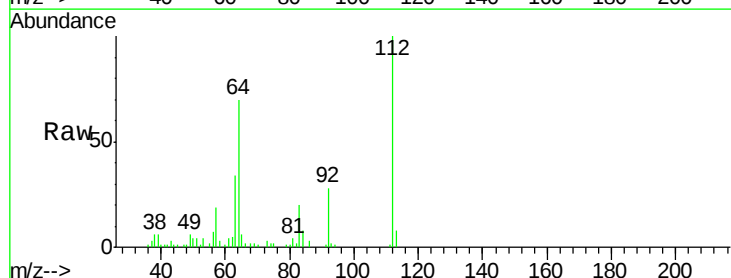
Tgt Ion:112 Resp: 105322

Ion Ratio Lower Upper

112 100

64 69.8 55.8 83.6

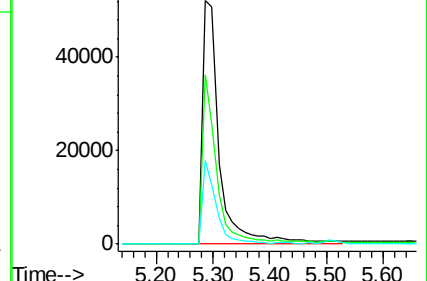
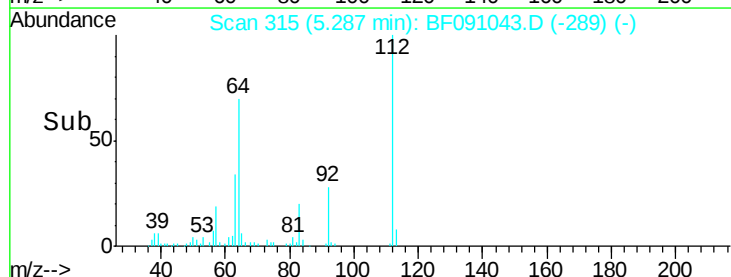
63 34.2 28.0 42.0

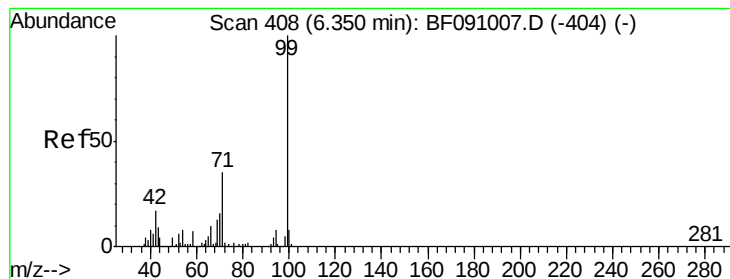


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 11.94 ng

RT: 6.35 min Scan# 408

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

ClientSampleId :

SB-6(0-2)

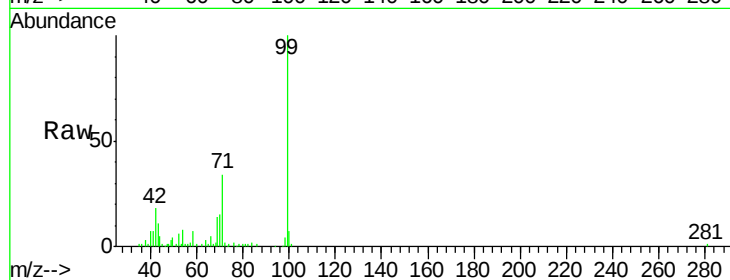
Tgt Ion: 99 Resp: 165209

Ion Ratio Lower Upper

99 100

42 18.1 13.9 20.9

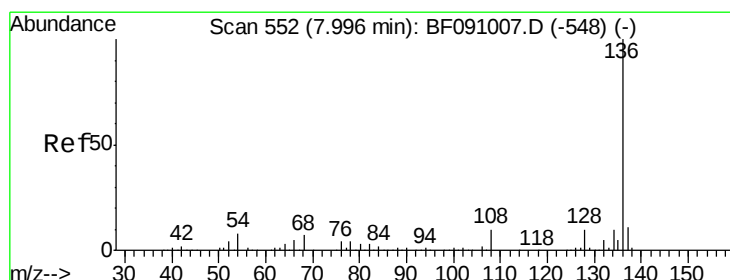
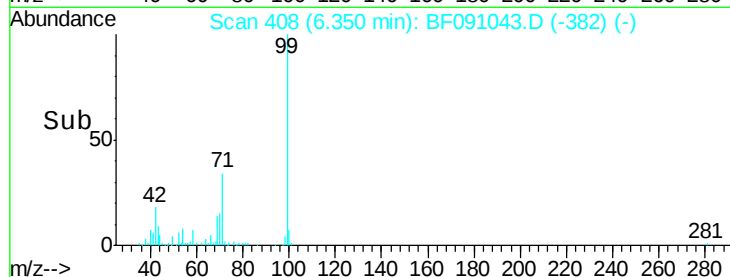
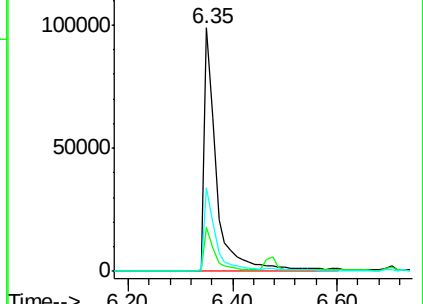
71 34.1 27.8 41.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 552

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Tgt Ion: 136 Resp: 625461

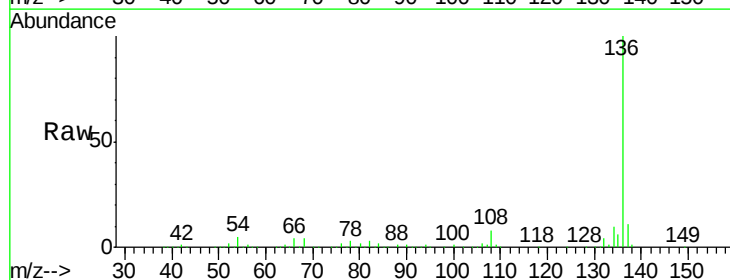
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 4.7 6.2 9.2#

68 4.5 5.5 8.3#

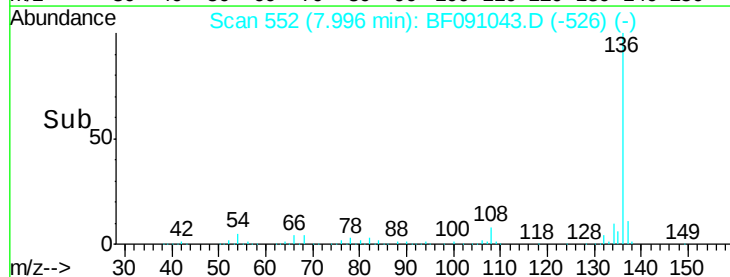
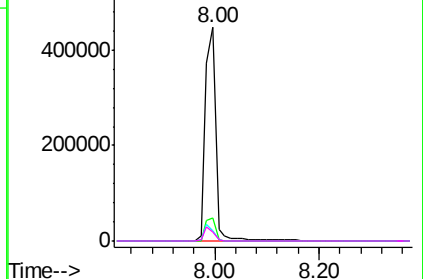


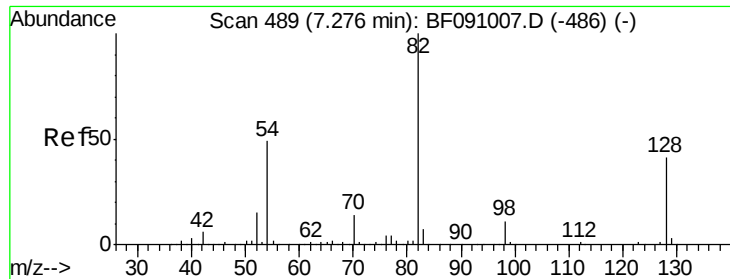
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

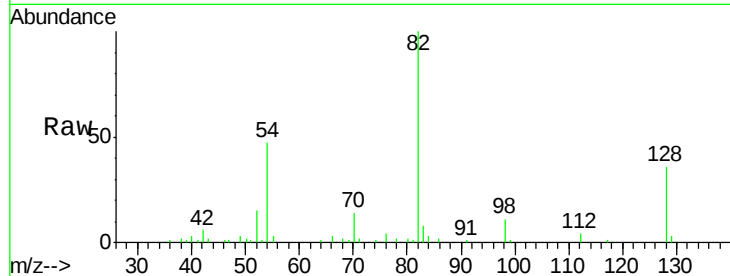




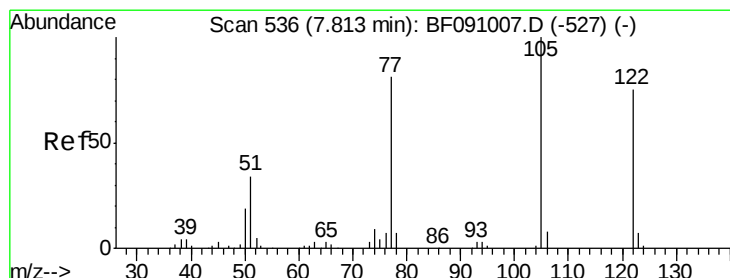
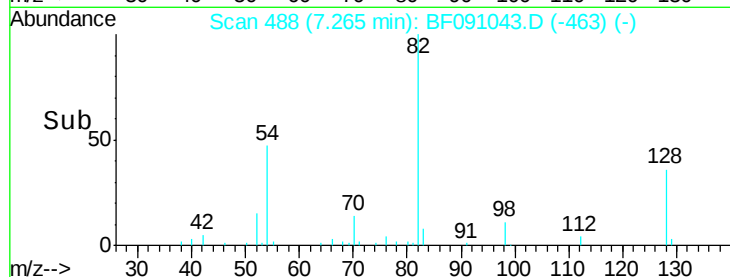
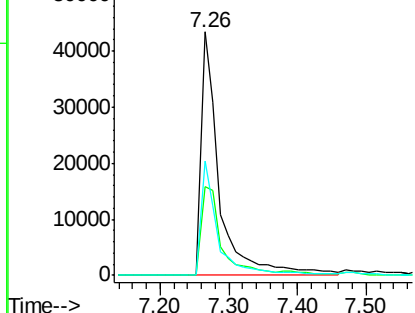
#23
 Nitrobenzene-d5
 Concen: 6.89 ng
 RT: 7.26 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.3	32.4	48.6
54	47.2	39.2	58.8

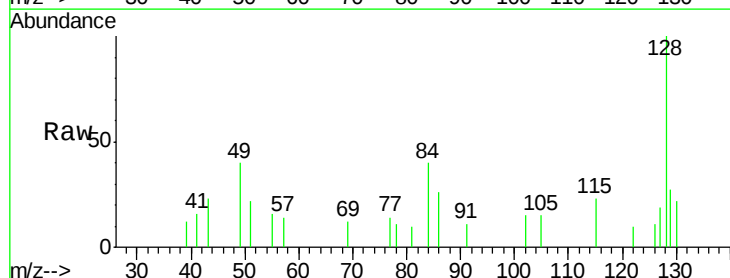


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

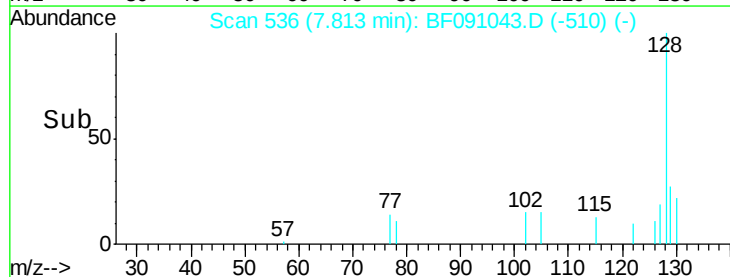
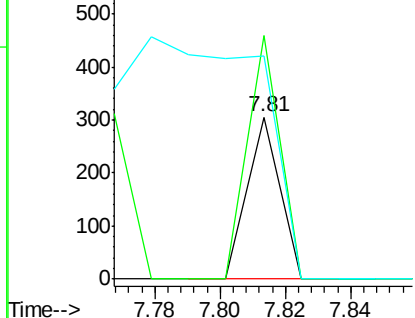


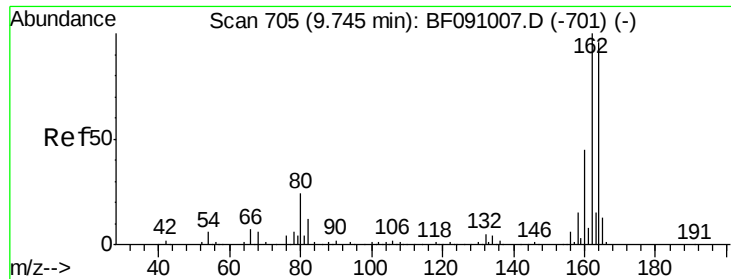
#32
 Benzoic acid
 Concen: 5.10 ng
 RT: 7.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion	Ratio	Lower	Upper
122	100		
105	150.0	105.9	145.9#
77	137.3	84.0	124.0#



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 105.00 (104.70 to 105.70): E
 Ion 77.00 (76.70 to 77.70): BF0

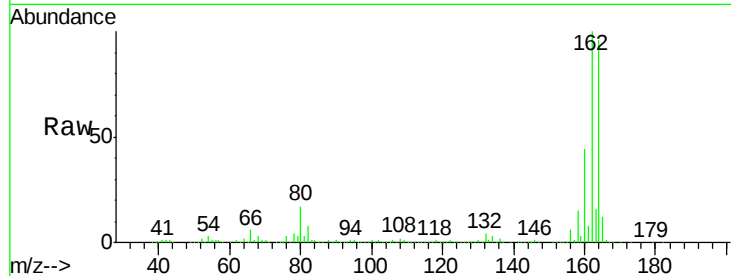




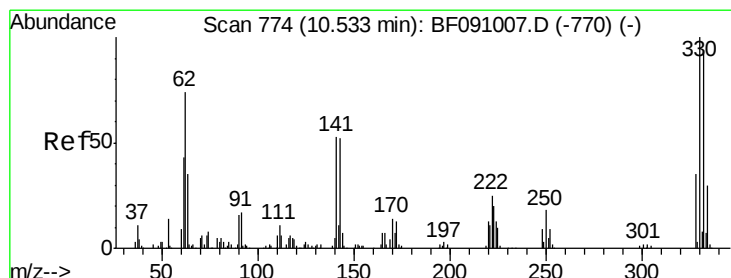
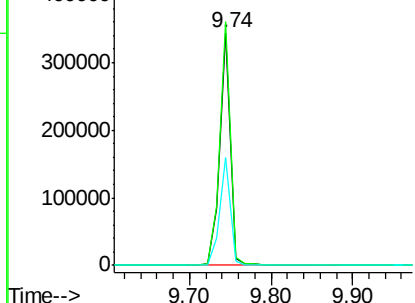
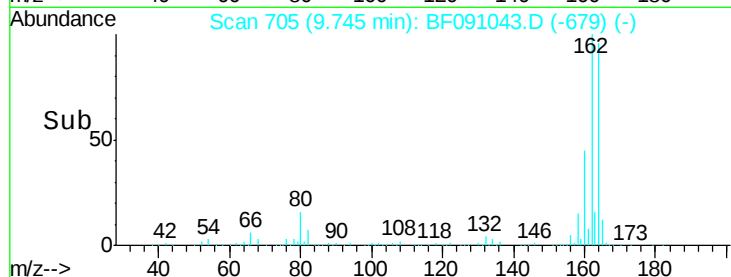
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.74 min Scan# 705
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Tgt Ion:164 Resp: 310816
 Ion Ratio Lower Upper
 164 100
 162 104.6 83.6 125.4
 160 46.6 37.9 56.9

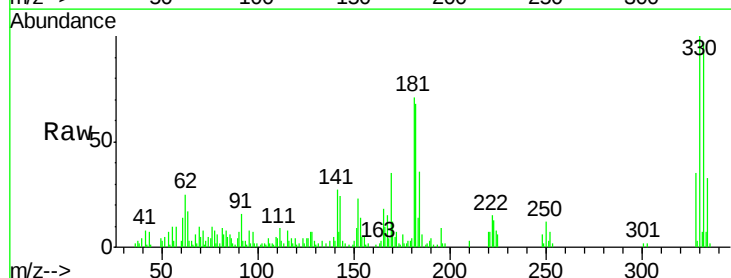


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

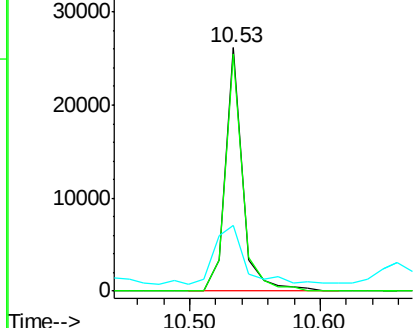
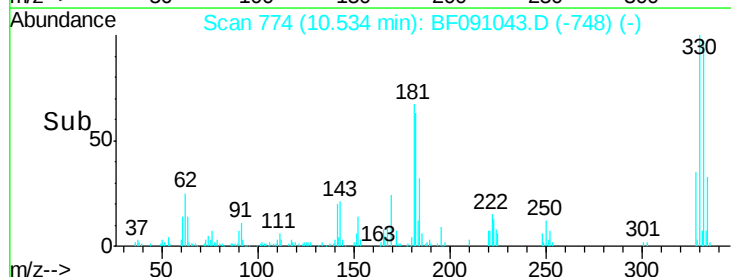


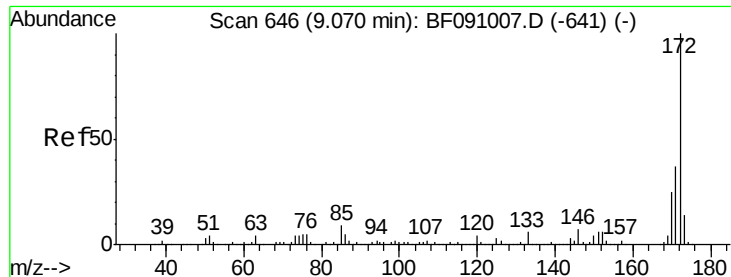
#41
 2,4,6-Tribromophenol
 Concen: 8.65 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion:330 Resp: 24294
 Ion Ratio Lower Upper
 330 100
 332 97.1 75.9 113.9
 141 43.8 36.1 54.1



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

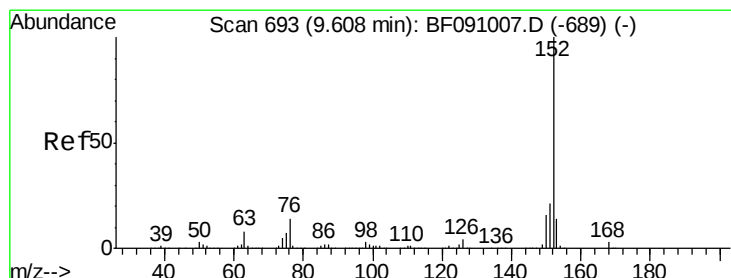
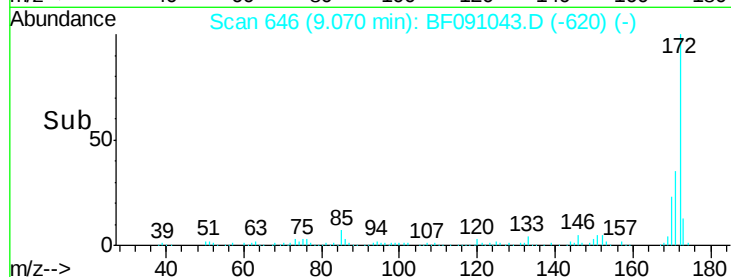
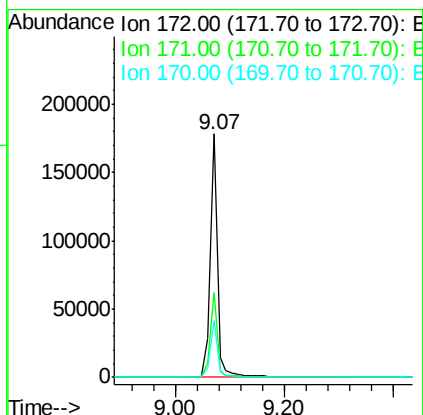
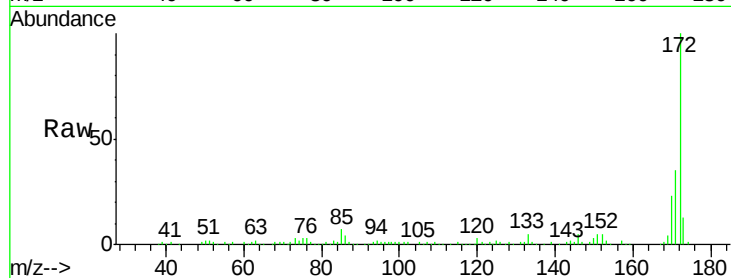




#44
 2-Fluorobiphenyl
 Concen: 9.15 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

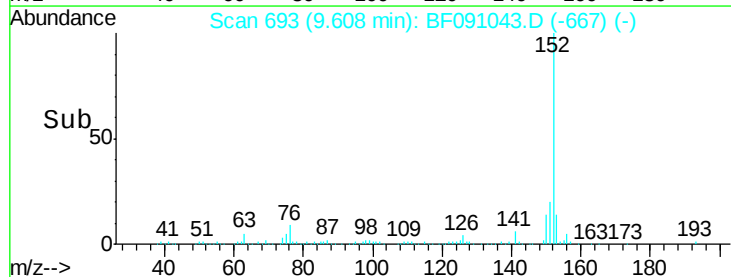
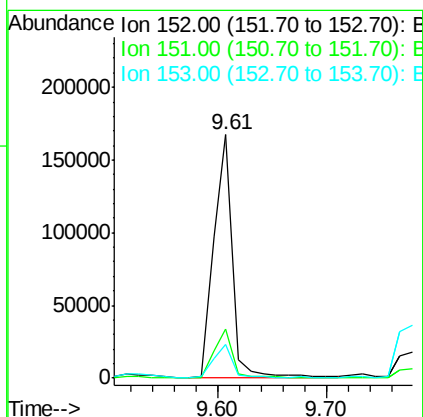
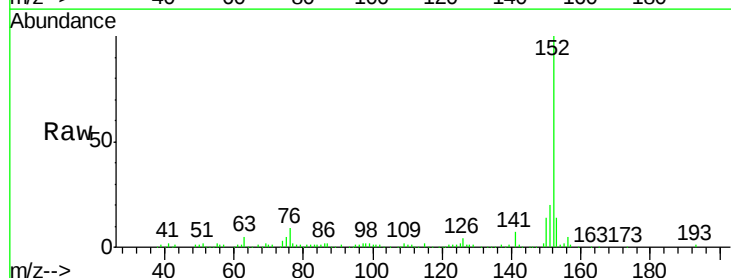
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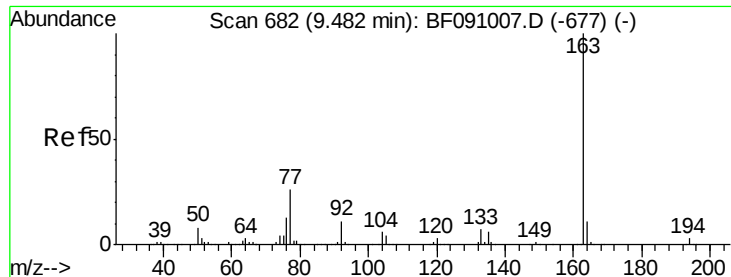
Tgt Ion:172 Resp: 165101
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.8 44.6
 170 23.1 20.3 30.5



#48
 Acenaphthylene
 Concen: 7.45 ng
 RT: 9.61 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion:152 Resp: 200188
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.7 25.1
 153 13.9 11.1 16.7

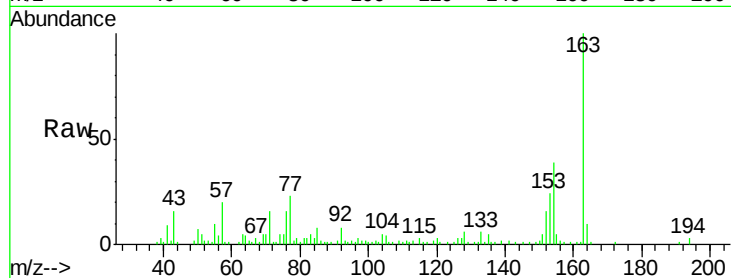




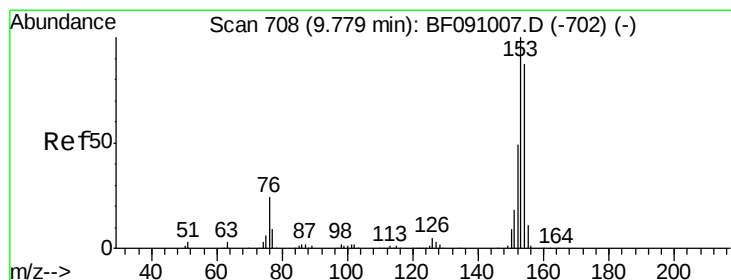
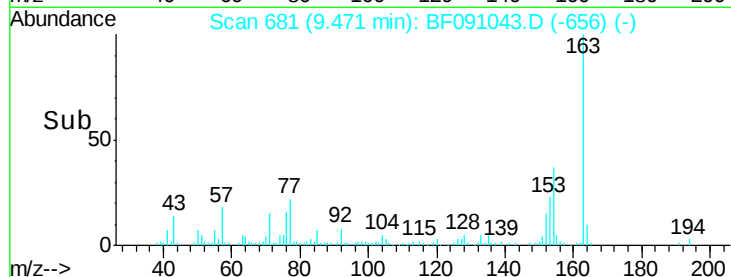
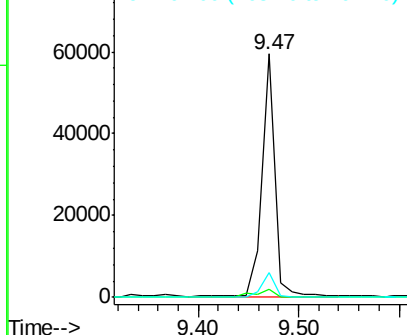
#49
Dimethylphthalate
Concen: 2.70 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

Tgt Ion:163 Resp: 54990
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.2 8.7 13.1

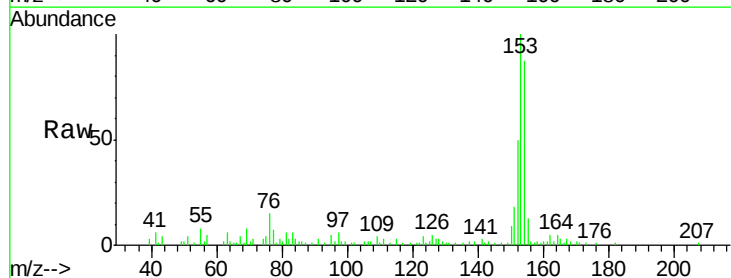


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

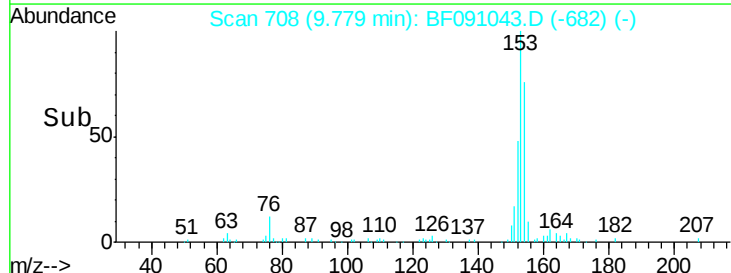
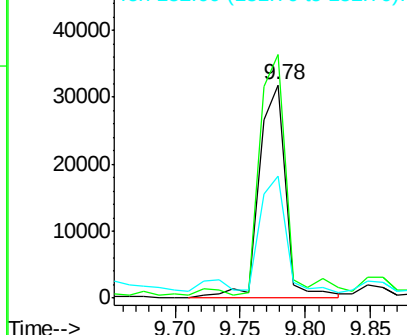


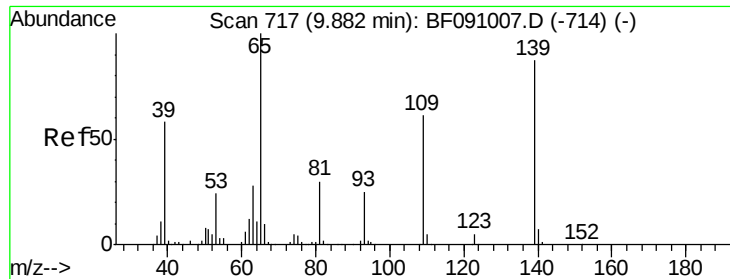
#51
Acenaphthene
Concen: 2.71 ng
RT: 9.78 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Tgt Ion:154 Resp: 45652
Ion Ratio Lower Upper
154 100
153 114.4 91.6 137.4
152 57.1 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

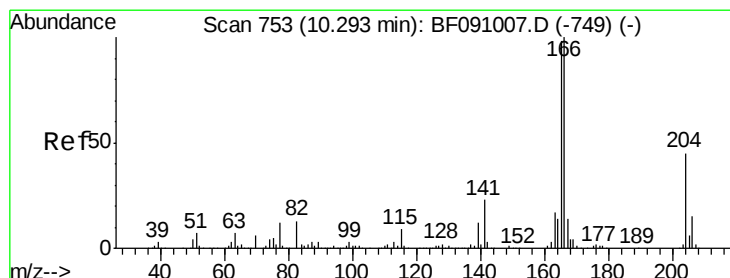
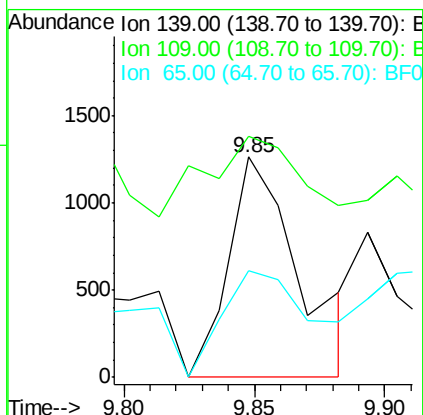
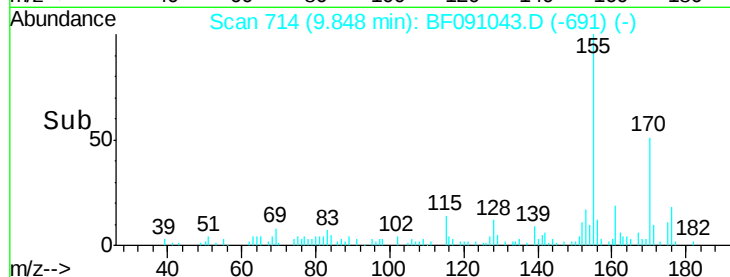
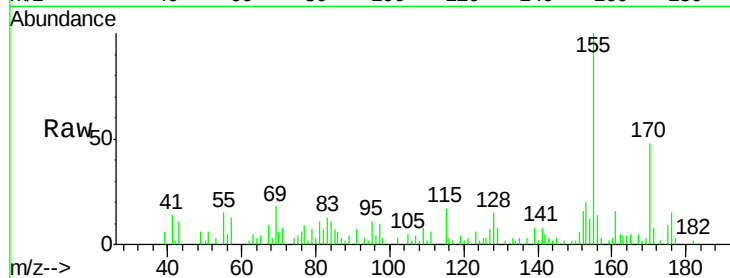




#55
4-Nitrophenol
Concen: 6.37 ng
RT: 9.85 min Scan# 714
Delta R.T. -0.03 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

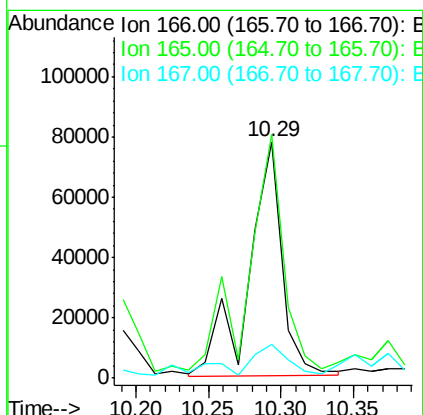
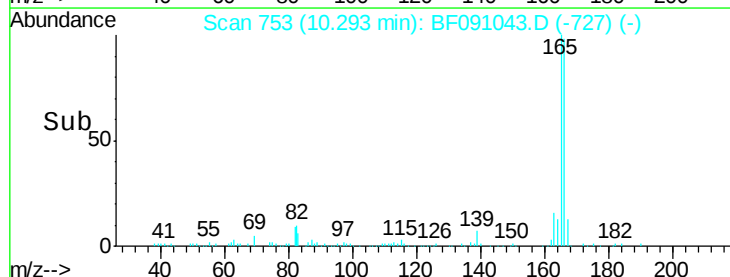
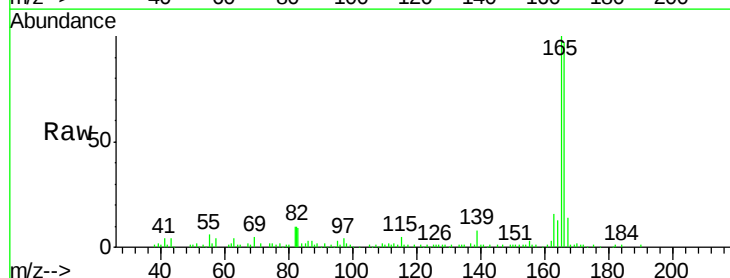
Instrument :
BNA_F
ClientSampleId :
SB-6(0-2)

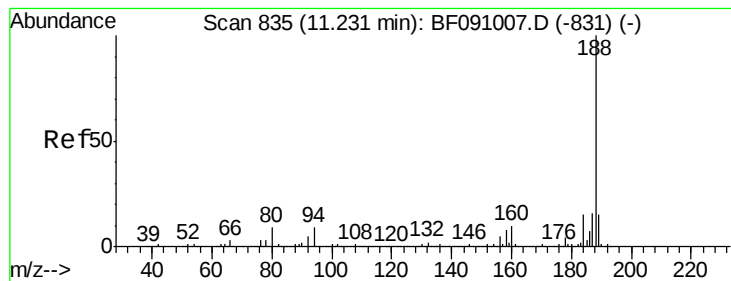
Tgt Ion:139 Resp: 2381
Ion Ratio Lower Upper
139 100
109 109.3 50.5 90.5#
65 48.4 97.1 137.1#



#57
Fluorene
Concen: 6.75 ng
RT: 10.29 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF091043.D
Acq: 5 Nov 2016 1:41

Tgt Ion:166 Resp: 125252
Ion Ratio Lower Upper
166 100
165 103.0 78.6 118.0
167 14.3 11.1 16.7





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.22 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

ClientSampleId :

SB-6(0-2)

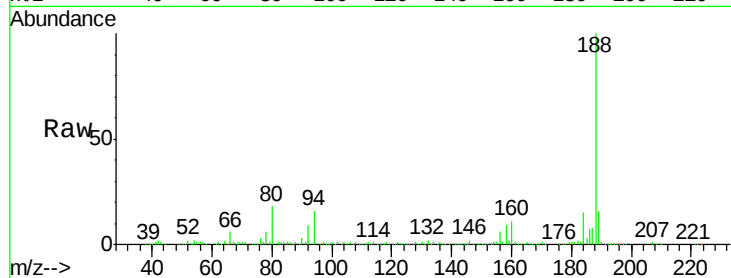
Tgt Ion:188 Resp: 420944

Ion Ratio Lower Upper

188 100

94 16.0 7.0 10.4#

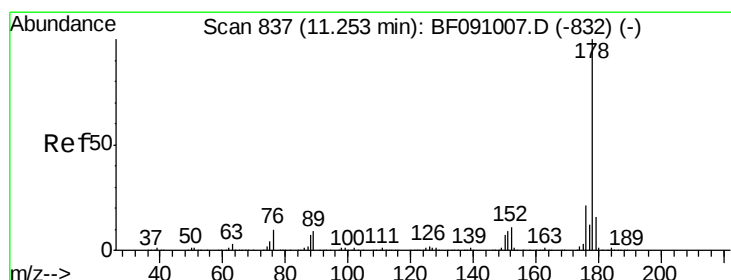
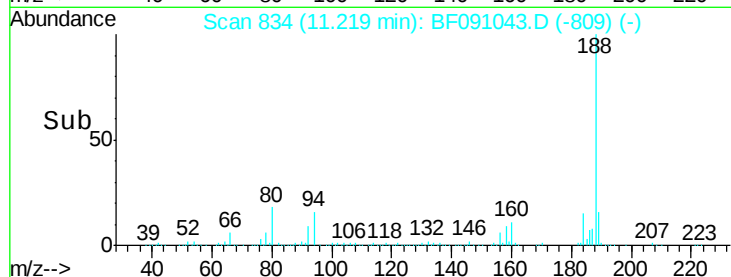
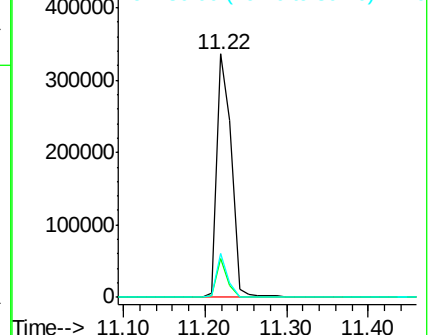
80 18.2 7.5 11.3#



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



#70

Phenanthrene

Concen: 30.28 ng

RT: 11.25 min Scan# 837

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

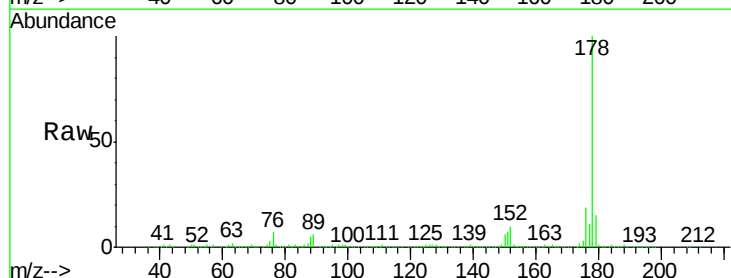
Tgt Ion:178 Resp: 677483

Ion Ratio Lower Upper

178 100

176 19.3 16.6 25.0

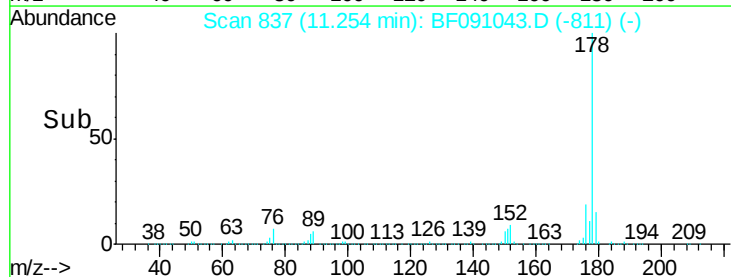
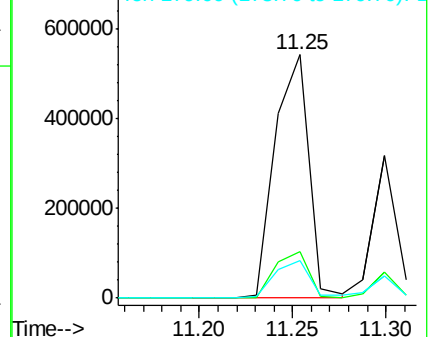
179 15.4 12.9 19.3

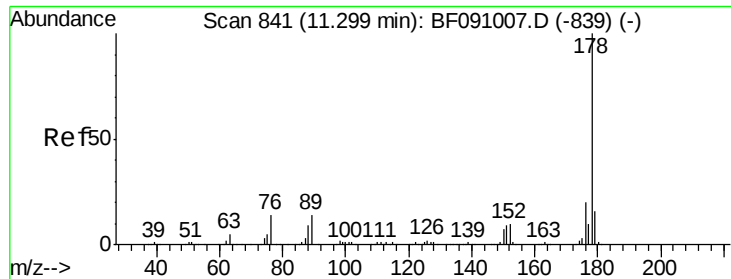


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

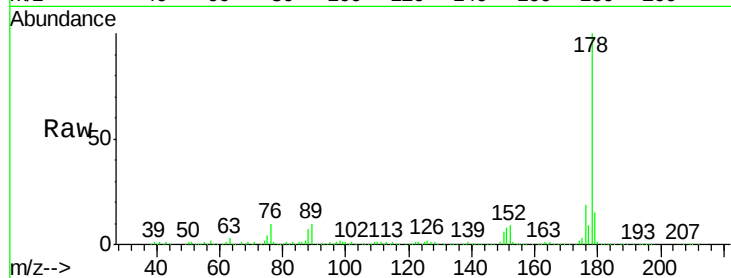




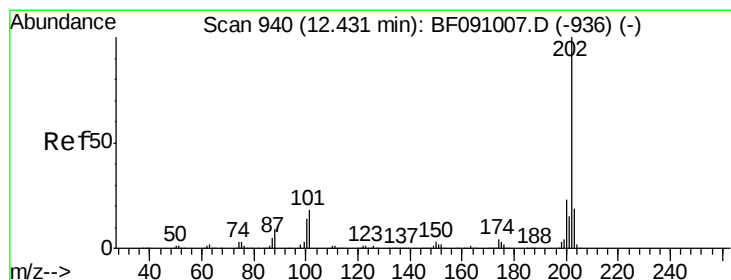
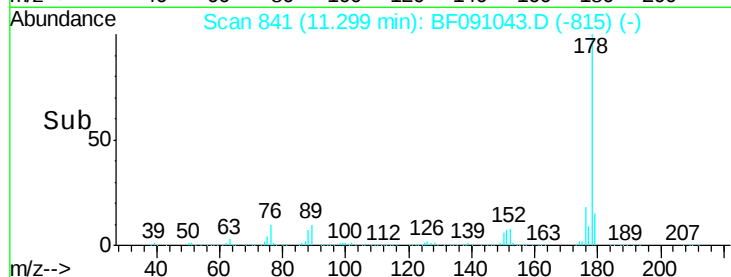
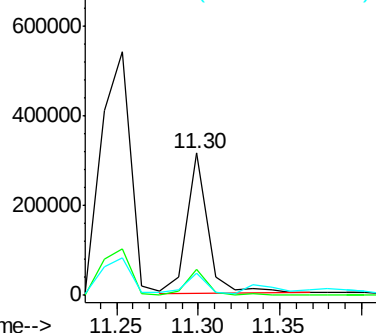
#71
 Anthracene
 Concen: 11.76 ng
 RT: 11.30 min Scan# 841
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-6(0-2)

Tgt Ion:178 Resp: 279675
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.0 24.0
 179 15.2 13.0 19.6

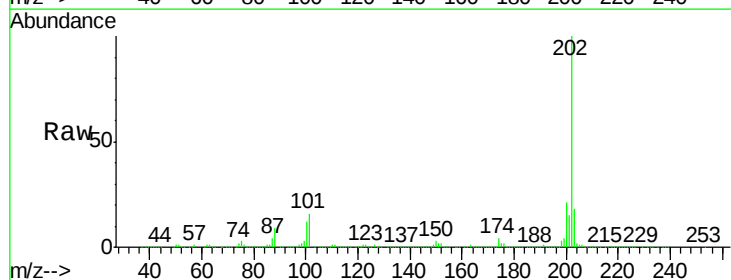


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

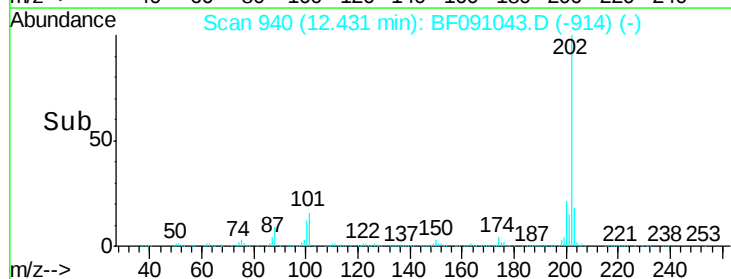
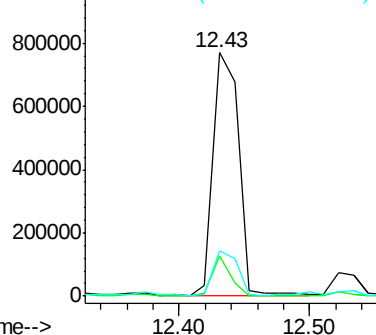


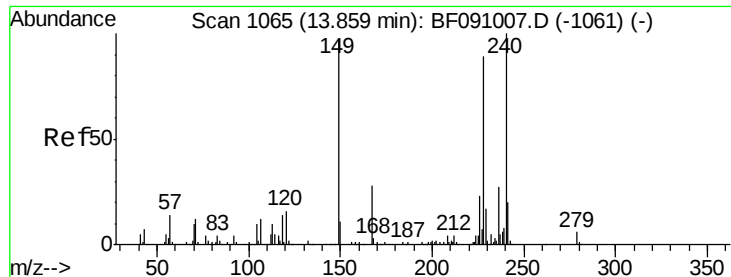
#74
 Fluoranthene
 Concen: 44.37 ng
 RT: 12.43 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: BF091043.D
 Acq: 5 Nov 2016 1:41

Tgt Ion:202 Resp: 1029799
 Ion Ratio Lower Upper
 202 100
 101 16.3 0.0 37.6
 203 18.4 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

Instrument :

BNA_F

ClientSampleId :

SB-6(0-2)

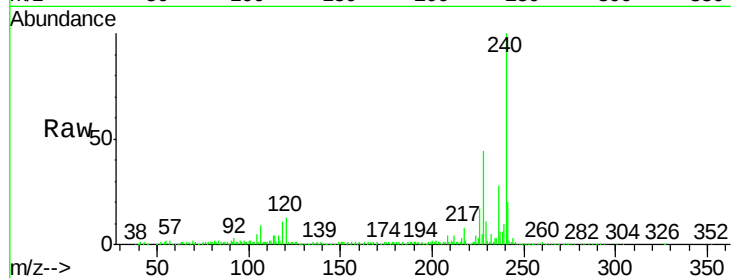
Tgt Ion:240 Resp: 398335

Ion Ratio Lower Upper

240 100

120 12.6 12.9 19.3#

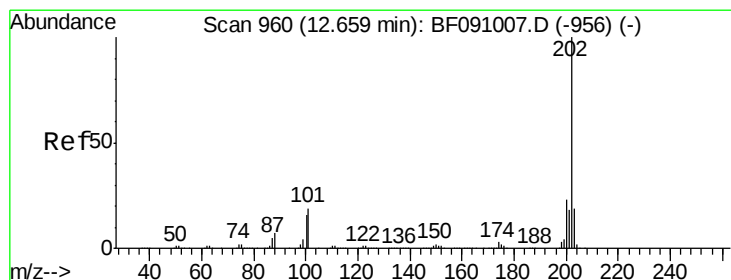
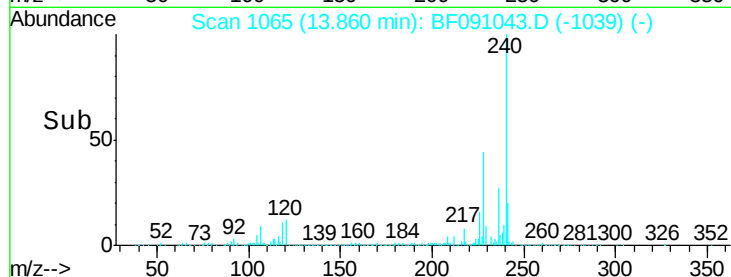
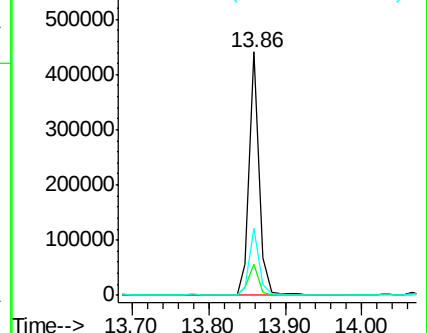
236 27.5 21.9 32.9



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



#77

Pyrene

Concen: 37.65 ng

RT: 12.66 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF091043.D

Acq: 5 Nov 2016 1:41

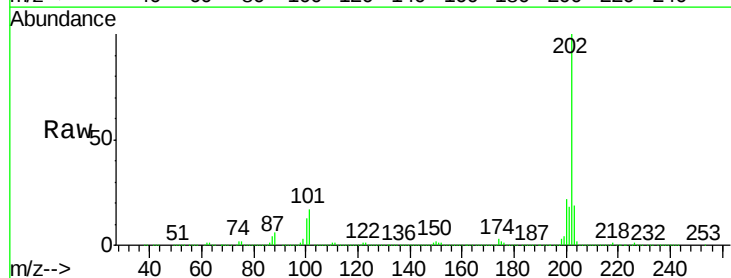
Tgt Ion:202 Resp: 982086

Ion Ratio Lower Upper

202 100

200 22.0 18.4 27.6

203 18.7 15.0 22.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

