

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111616\
 Data File : BF091197.D
 Acq On : 16 Nov 2016 19:27
 Operator : UM/SJ
 Sample : H5636-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C19043041

Quant Time: Nov 16 23:53:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 12:59:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	193198	20.00	ng	-0.05
21) Naphthalene-d8	7.90	136	833852	20.00	ng	-0.05
38) Acenaphthene-d10	9.65	164	453208	20.00	ng	-0.05
63) Phenanthrene-d10	11.14	188	791177	20.00	ng	-0.03
75) Chrysene-d12	13.77	240	602341	20.00	ng	-0.05
86) Perylene-d12	15.14	264	457683	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	774931	66.24	ng	-0.03
7) Phenol-d6	6.27	99	644536	40.59	ng	-0.05
23) Nitrobenzene-d5	7.20	82	1550992	101.47	ng	-0.05
41) 2,4,6-Tribromophenol	10.45	330	561961	137.15	ng	-0.03
44) 2-Fluorobiphenyl	8.99	172	2303199	87.49	ng	-0.05
78) Terphenyl-d14	12.74	244	2596191	107.56	ng	-0.02

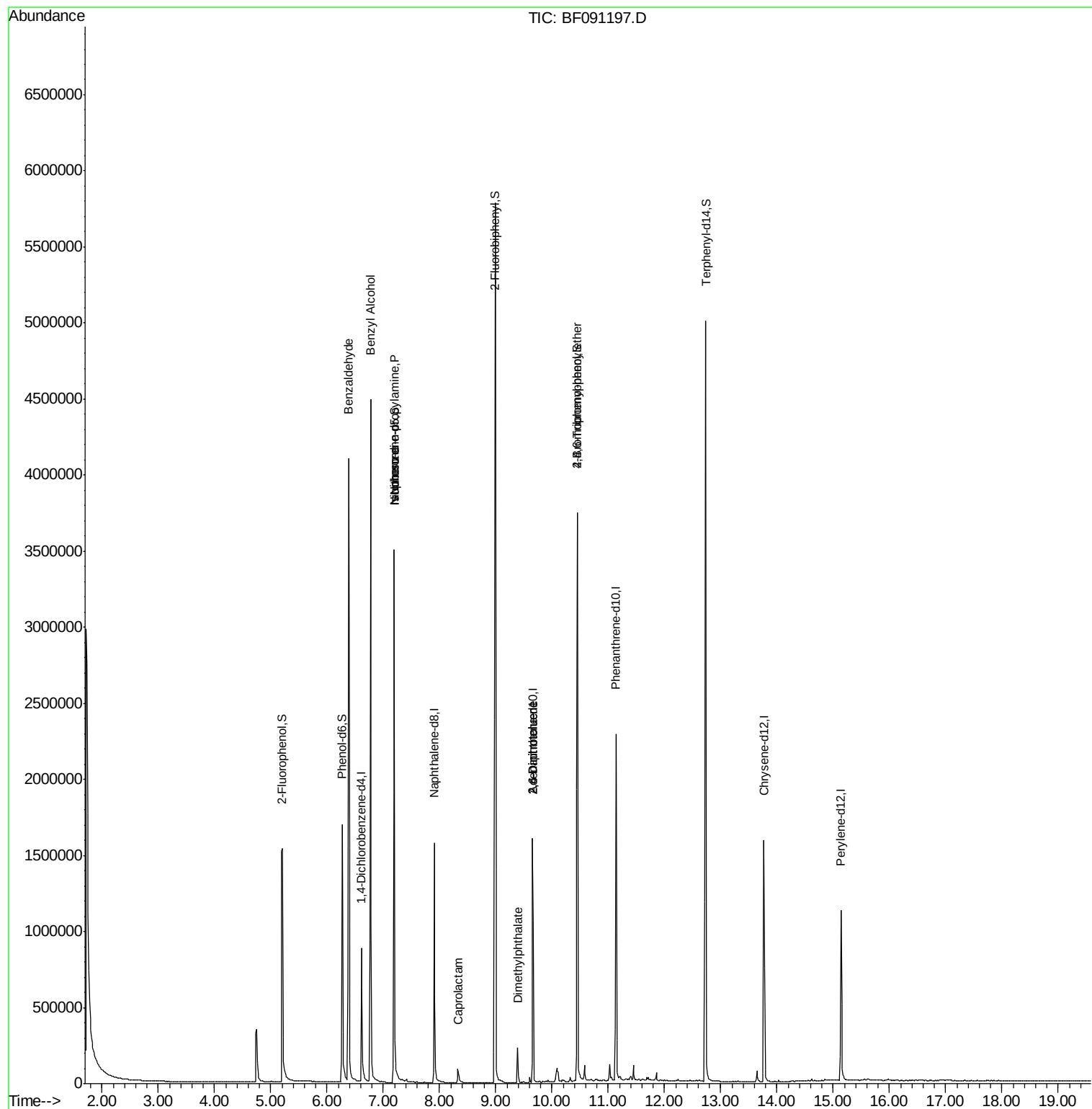
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	30181	3.42	ng	85
15) Benzyl Alcohol	6.77	79	23527	2.10	ng	# 51
19) n-Nitroso-di-n-propylamine	7.20	70	214977	19.54	ng	# 77
25) Isophorone	7.20	82	1505286	51.11	ng	# 67
35) Caprolactam	8.33	113	14629	4.52	ng	96
49) Dimethylphthalate	9.39	163	92130	3.10	ng	99
50) 2,6-Dinitrotoluene	9.65	165	58722	9.22	ng	# 11
56) 2,4-Dinitrotoluene	9.65	165	58715	7.25	ng	# 26
66) 4-Bromophenyl-phenylether	10.45	248	39169	4.76	ng	# 1

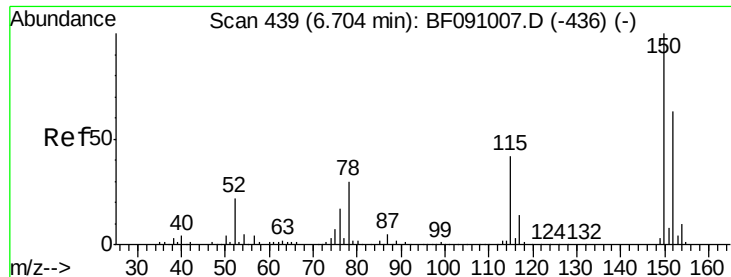
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

Instrument :

BNA_F

ClientSampleId :

C19043041

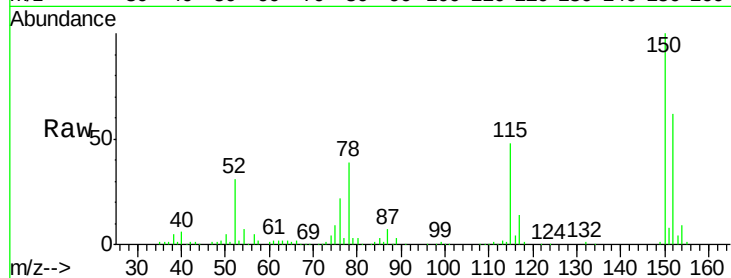
Tgt Ion:152 Resp: 193198

Ion Ratio Lower Upper

152 100

150 161.6 126.8 190.2

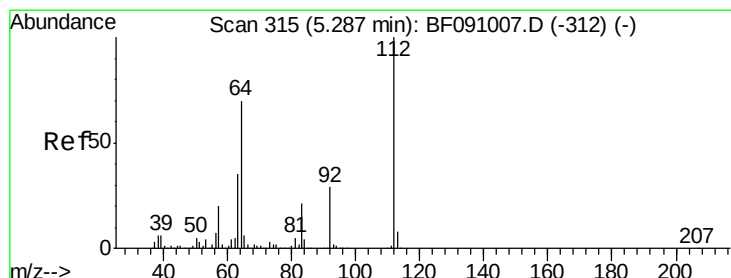
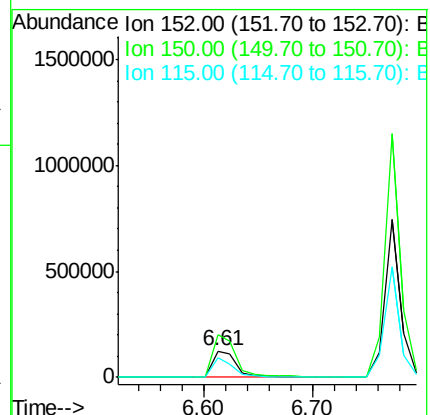
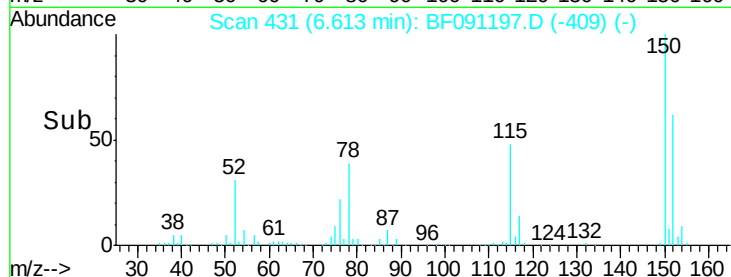
115 77.5 53.3 79.9



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: 66.24 ng

RT: 5.21 min Scan# 308

Delta R.T. -0.03 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

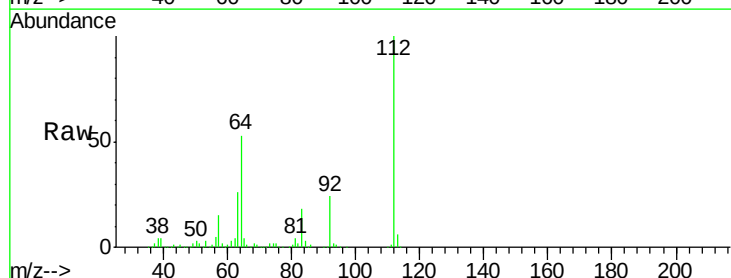
Tgt Ion:112 Resp: 774931

Ion Ratio Lower Upper

112 100

64 52.5 55.8 83.6#

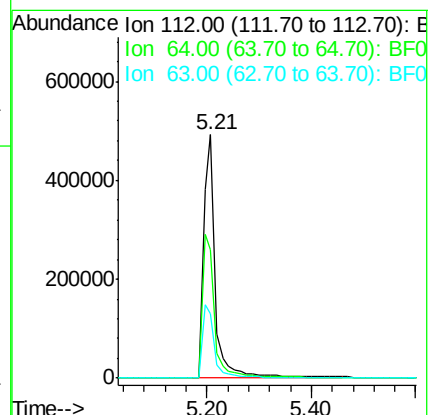
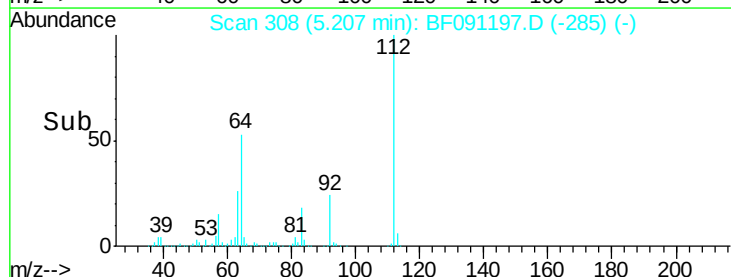
63 26.2 28.0 42.0#

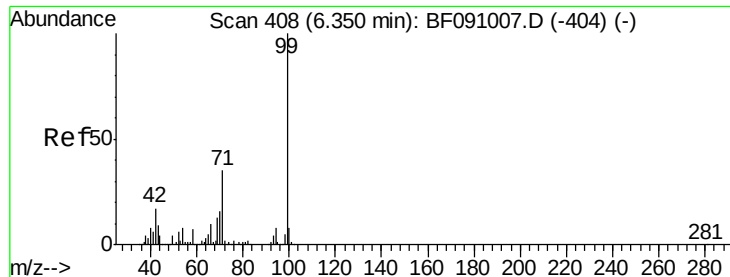


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 40.59 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

Instrument :

BNA_F

ClientSampleId :

C19043041

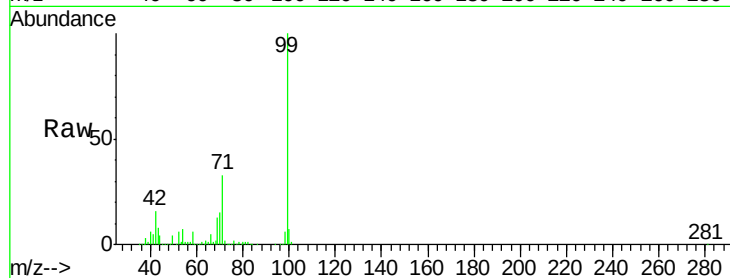
Tgt Ion: 99 Resp: 644536

Ion Ratio Lower Upper

99 100

42 15.7 13.9 20.9

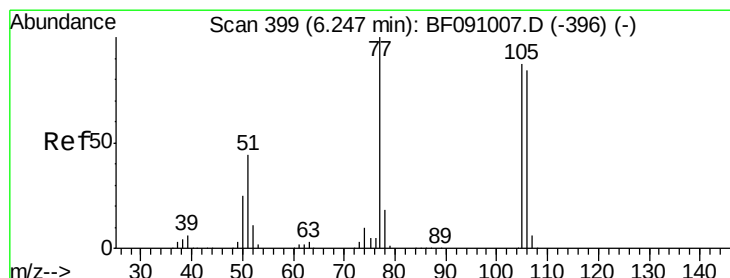
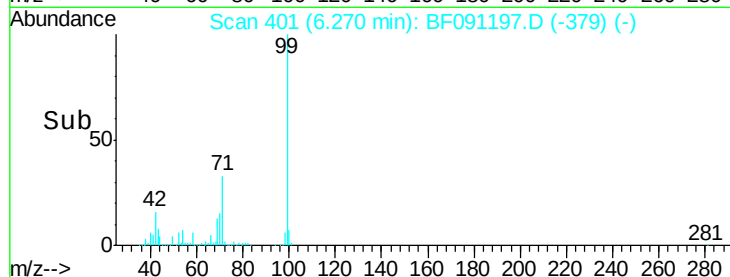
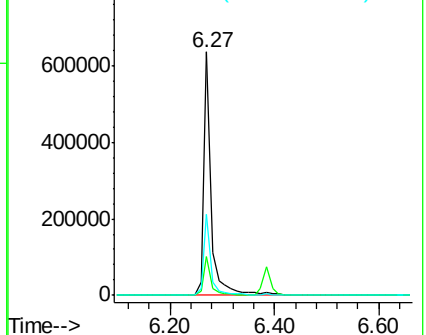
71 33.3 27.8 41.8



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



#9

Benzaldehyde

Concen: 3.42 ng

RT: 6.38 min Scan# 411

Delta R.T. 0.18 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

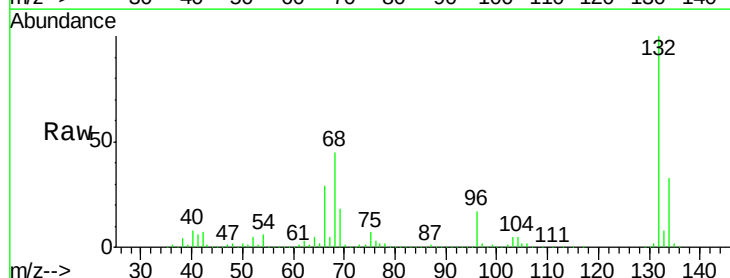
Tgt Ion: 77 Resp: 30181

Ion Ratio Lower Upper

77 100

105 75.6 66.8 106.8

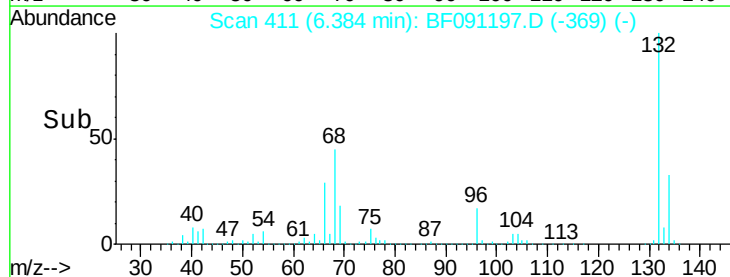
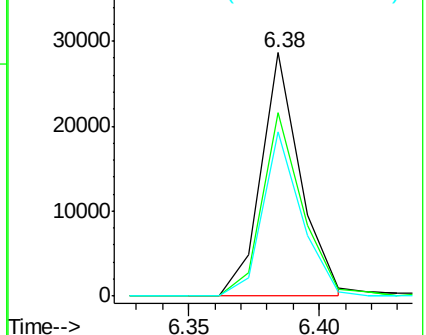
106 67.3 64.0 104.0

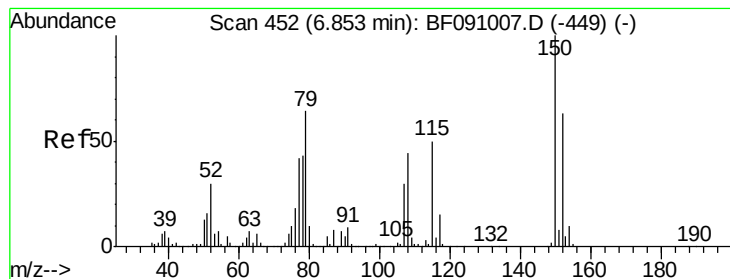


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 6.77 min Scan# 445

Delta R.T. -0.05 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

Instrument :

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ClientSampleId :

C19043041

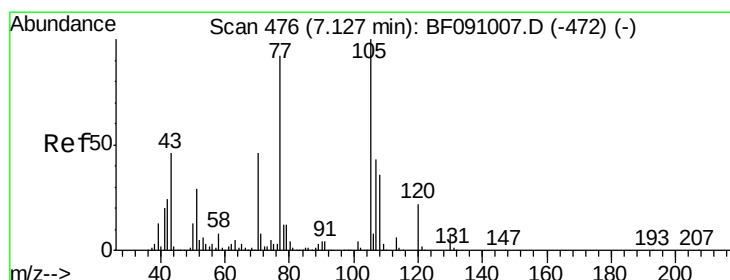
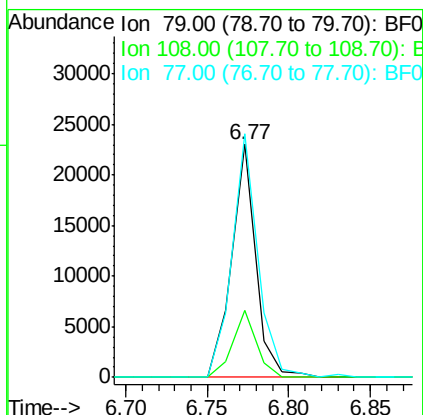
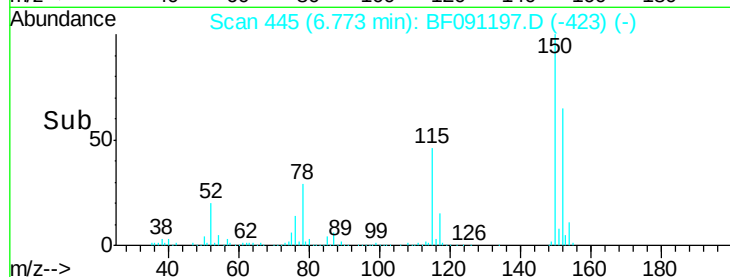
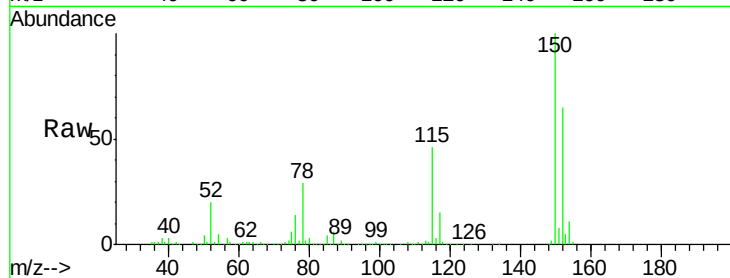
Tgt Ion: 79 Resp: 23527

Ion Ratio Lower Upper

79 100

108 28.9 55.7 83.5#

77 104.5 52.6 79.0#



#19

n-Nitroso-di-n-propylamine

Concen: 19.54 ng

RT: 7.20 min Scan# 482

Delta R.T. 0.10 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

Tgt Ion: 70 Resp: 214977

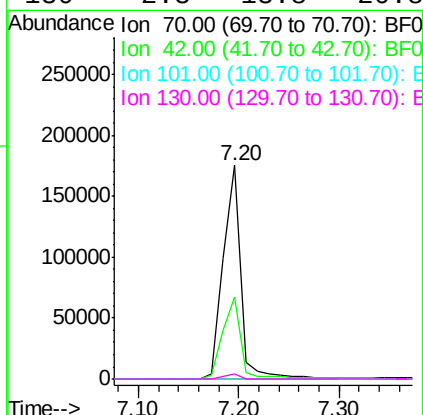
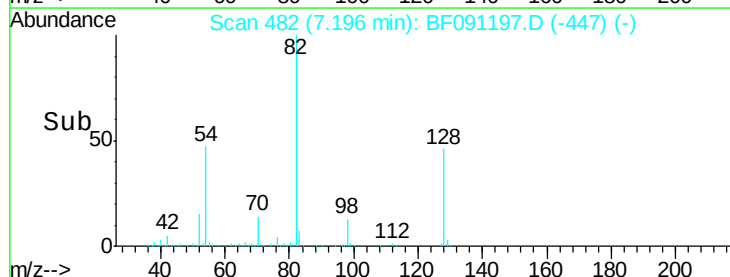
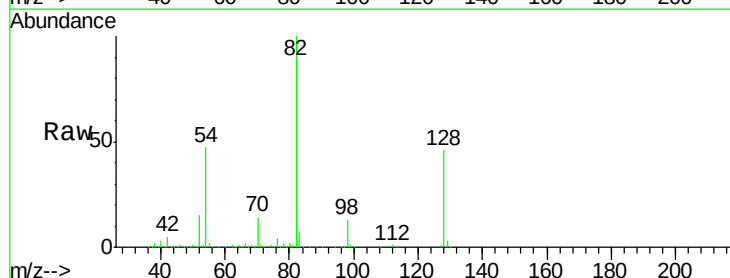
Ion Ratio Lower Upper

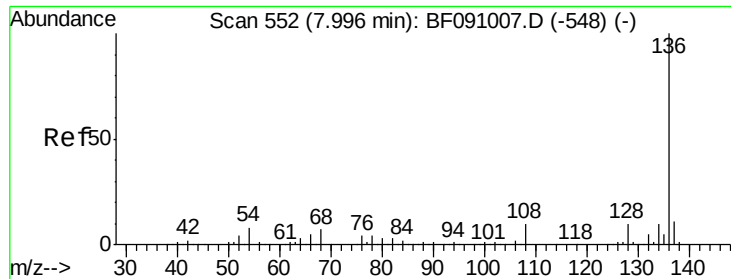
70 100

42 38.6 41.7 62.5#

101 0.0 6.7 10.1#

130 2.3 13.8 20.8#

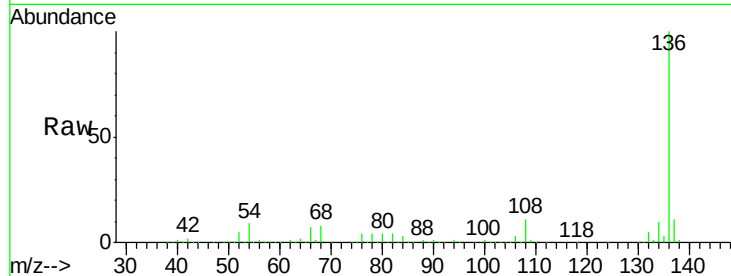




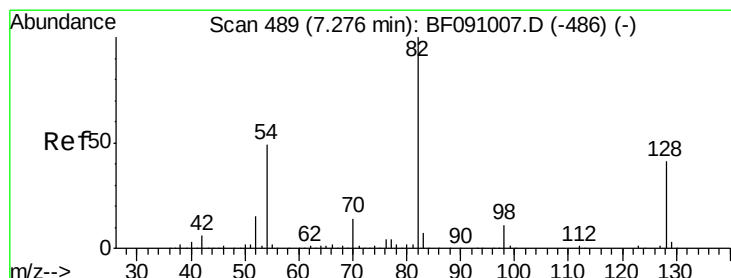
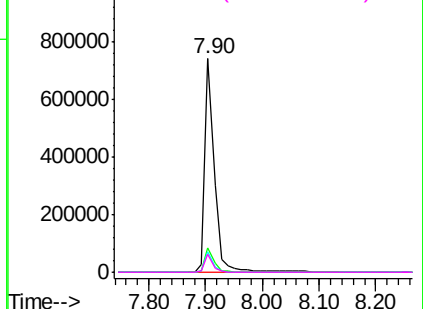
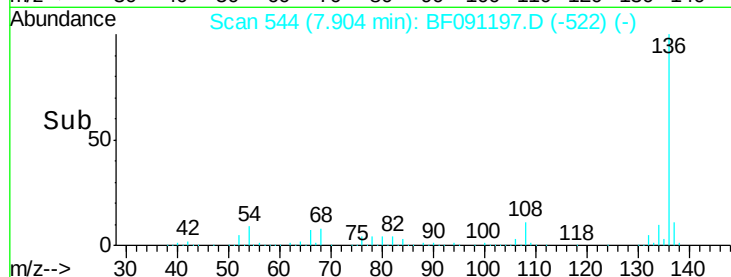
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.90 min Scan# 544
Delta R.T. -0.05 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

Instrument :
BNA_F
ClientSampleId :
C19043041

Tgt Ion:	136	Resp:	833852
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.5	6.2	9.2#
68	8.4	5.5	8.3#

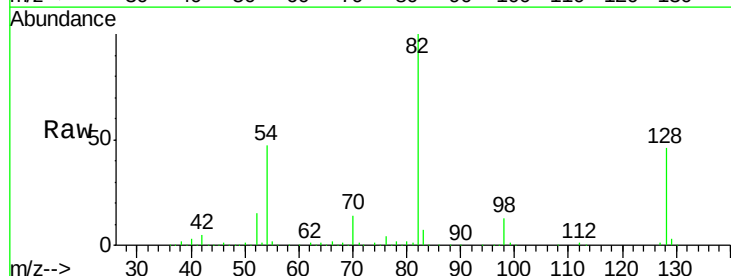


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

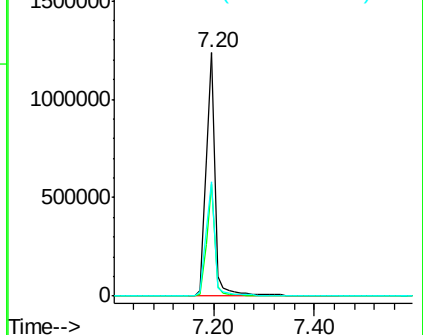
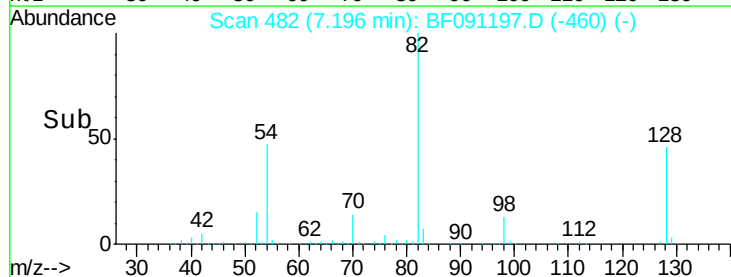


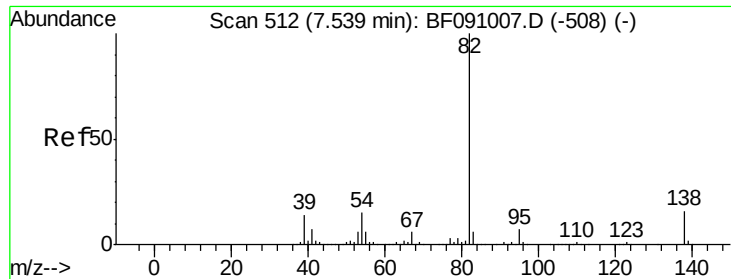
#23
Nitrobenzene-d5
Concen: 101.47 ng
RT: 7.20 min Scan# 482
Delta R.T. -0.05 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

Tgt Ion:	82	Resp:	1550992
Ion	Ratio	Lower	Upper
82	100		
128	46.2	32.4	48.6
54	46.8	39.2	58.8



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

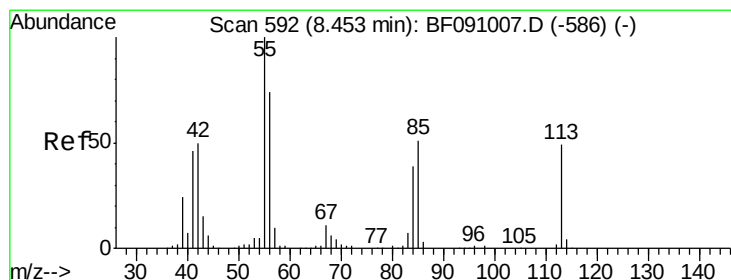
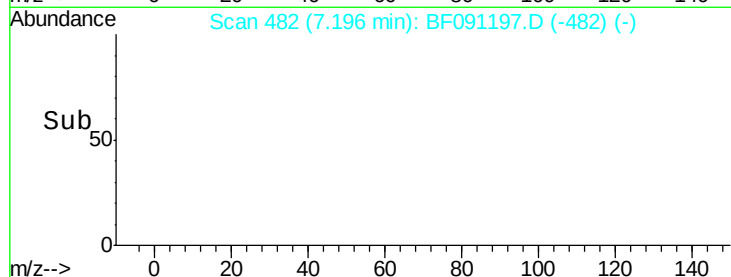
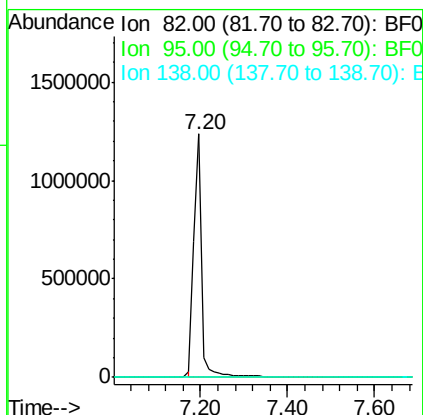
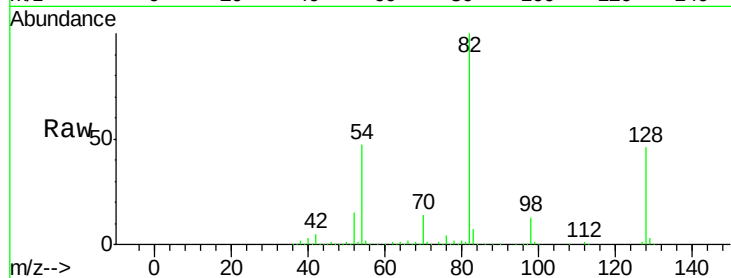




#25
Isophorone
Concen: 51.11 ng
RT: 7.20 min Scan# 482
Delta R.T. -0.30 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

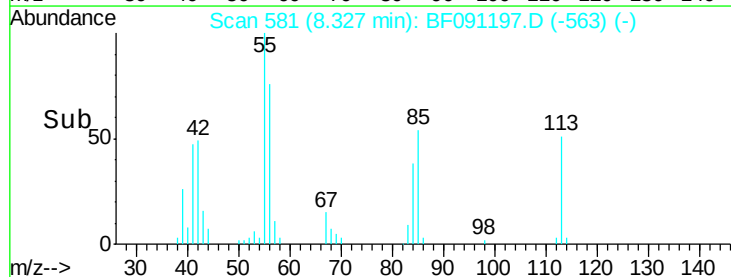
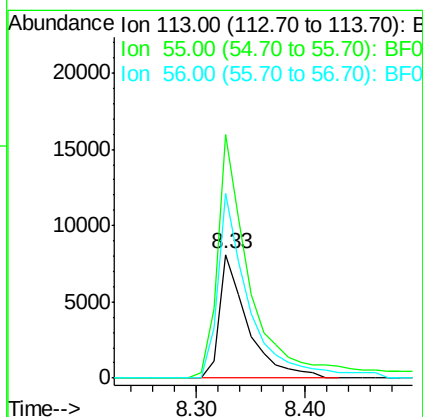
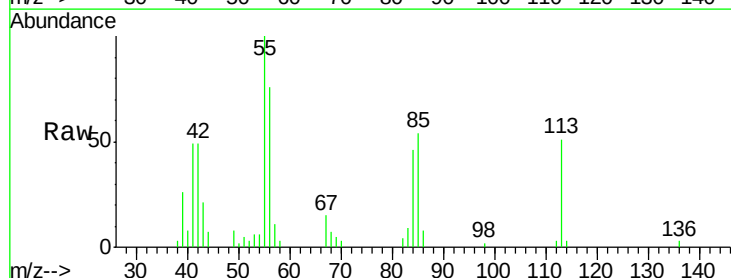
Instrument :
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C19043041

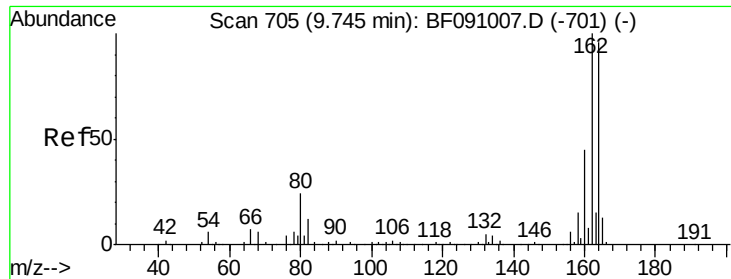
Tgt Ion: 82 Resp: 1505286
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.0 19.4#



#35
Caprolactam
Concen: 4.52 ng
RT: 8.33 min Scan# 581
Delta R.T. -0.09 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

Tgt Ion: 113 Resp: 14629
Ion Ratio Lower Upper
113 100
55 196.9 184.1 224.1
56 149.1 132.0 172.0

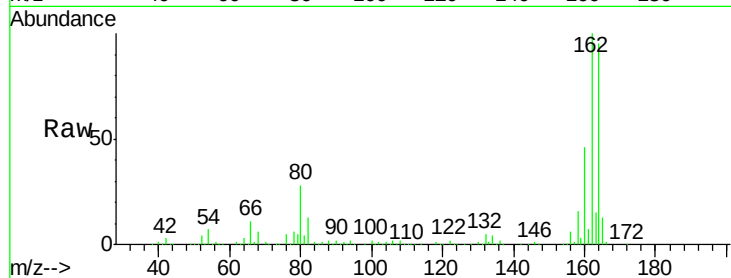




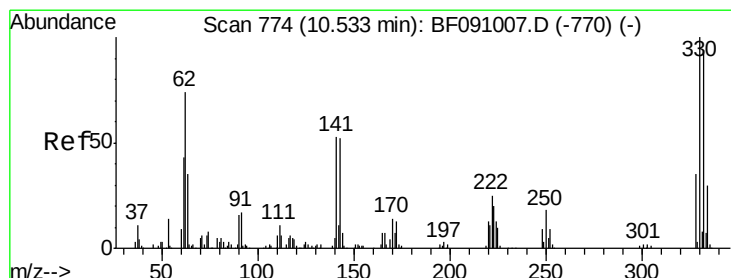
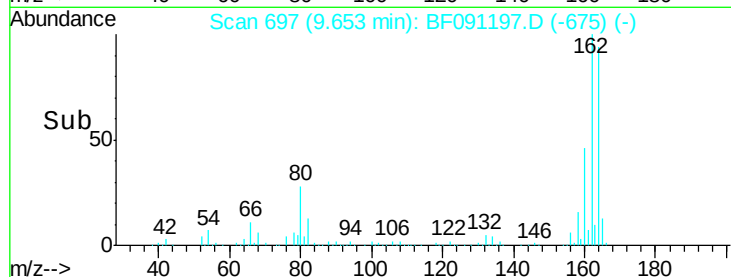
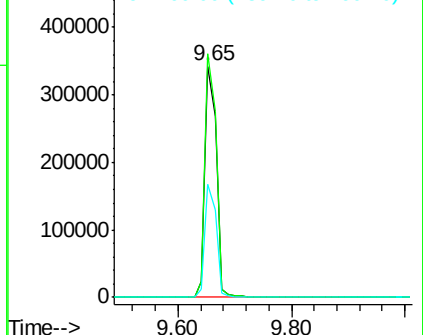
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.65 min Scan# 697
Delta R.T. -0.05 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

Instrument :
BNA_F
ClientSampleId :
C19043041

Tgt Ion:164 Resp: 453208
Ion Ratio Lower Upper
164 100
162 105.4 83.6 125.4
160 49.0 37.9 56.9

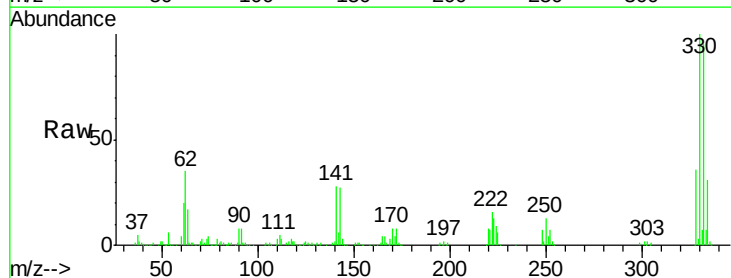


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

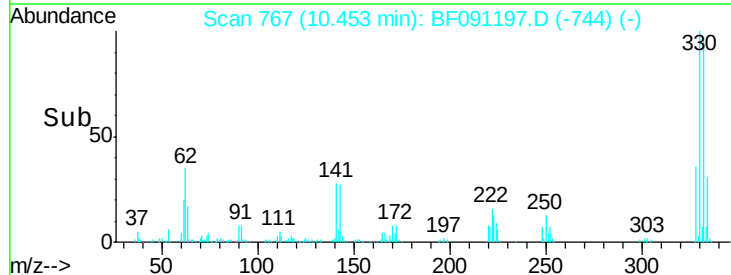
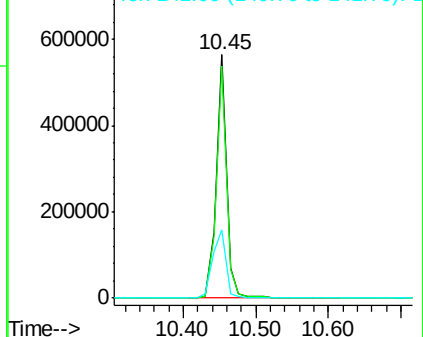


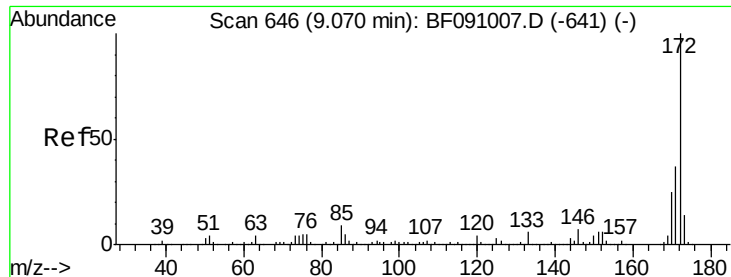
#41
2,4,6-Tribromophenol
Concen: 137.15 ng
RT: 10.45 min Scan# 767
Delta R.T. -0.03 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

Tgt Ion:330 Resp: 561961
Ion Ratio Lower Upper
330 100
332 95.8 75.9 113.9
141 36.6 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

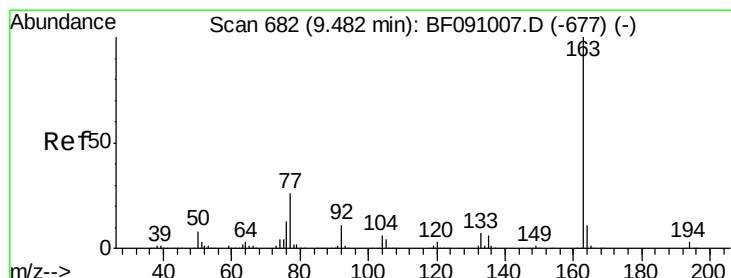
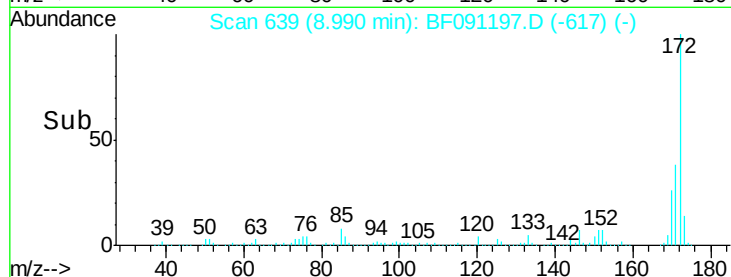
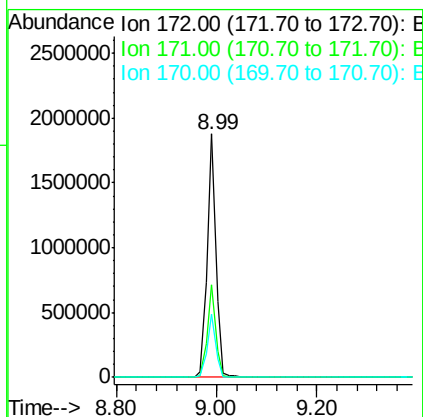
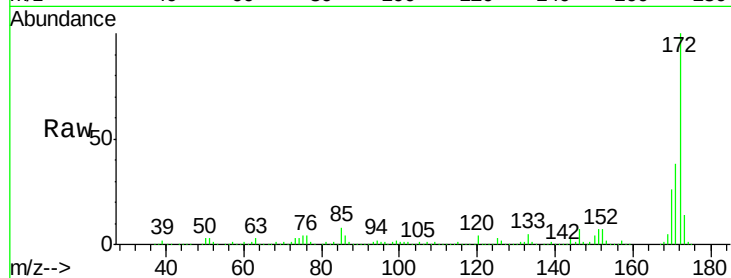




#44
 2-Fluorobiphenyl
 Concen: 87.49 ng
 RT: 8.99 min Scan# 639
 Delta R.T. -0.05 min
 Lab File: BF091197.D
 Acq: 16 Nov 2016 19:27

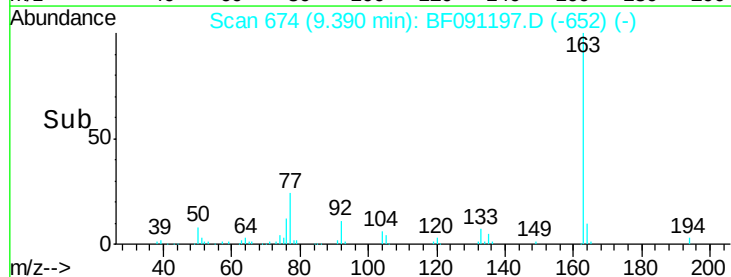
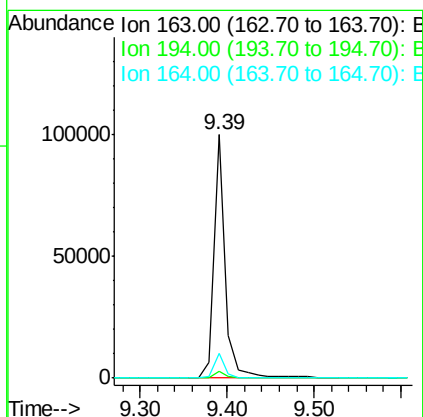
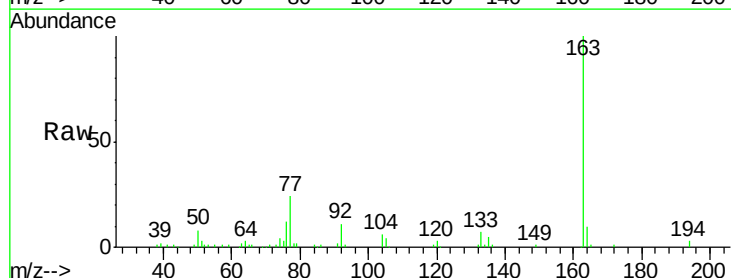
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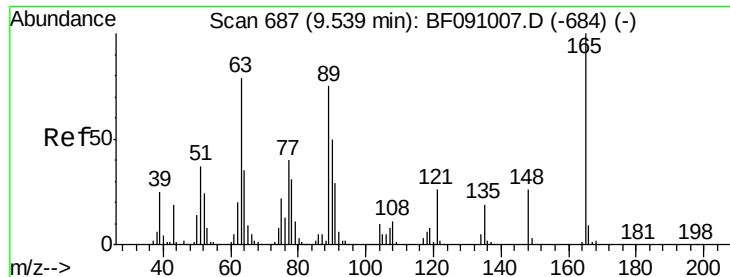
Tgt Ion:172 Resp: 2303199
 Ion Ratio Lower Upper
 172 100
 171 38.0 29.8 44.6
 170 26.1 20.3 30.5



#49
 Dimethylphthalate
 Concen: 3.10 ng
 RT: 9.39 min Scan# 674
 Delta R.T. -0.05 min
 Lab File: BF091197.D
 Acq: 16 Nov 2016 19:27

Tgt Ion:163 Resp: 92130
 Ion Ratio Lower Upper
 163 100
 194 2.8 2.6 4.0
 164 10.4 8.7 13.1





#50

2,6-Dinitrotoluene

Concen: 9.22 ng

RT: 9.65 min Scan# 697

Delta R.T. 0.15 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

Instrument :

BNA_F

ClientSampleId :

C19043041

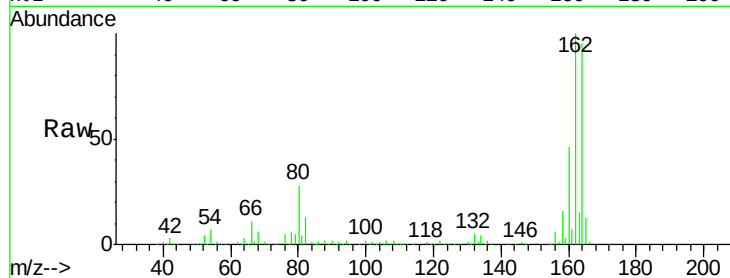
Tgt Ion:165 Resp: 58722

Ion Ratio Lower Upper

165 100

63 1.2 65.6 98.4#

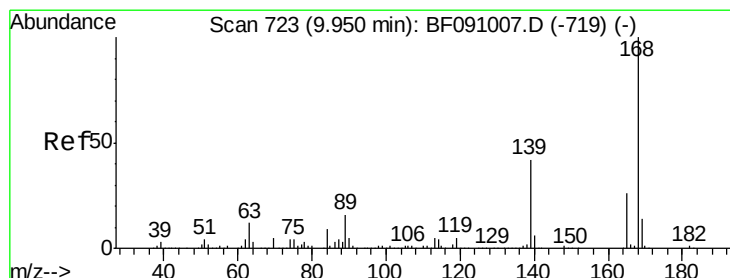
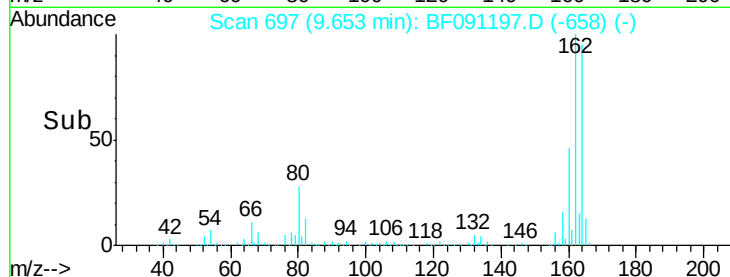
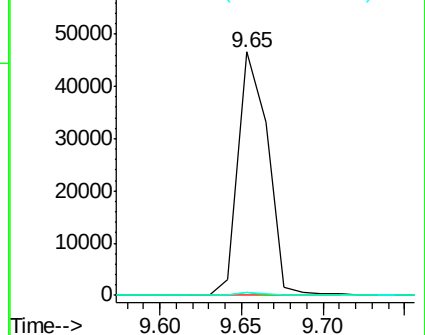
89 1.2 59.8 89.6#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.25 ng

RT: 9.65 min Scan# 697

Delta R.T. -0.25 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

Tgt Ion:165 Resp: 58715

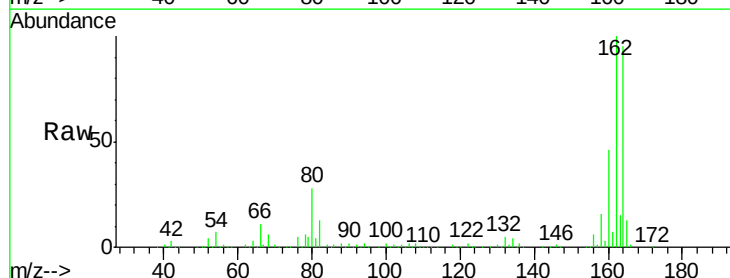
Ion Ratio Lower Upper

165 100

63 1.2 38.7 58.1#

89 1.2 50.6 76.0#

182 0.0 1.8 2.8#

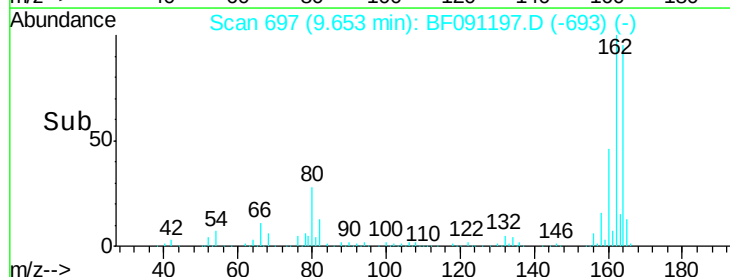
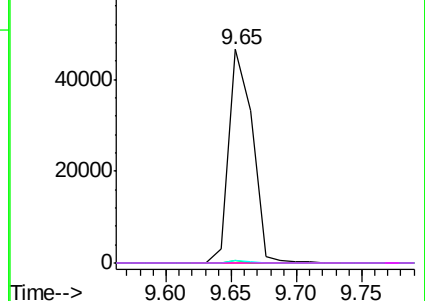


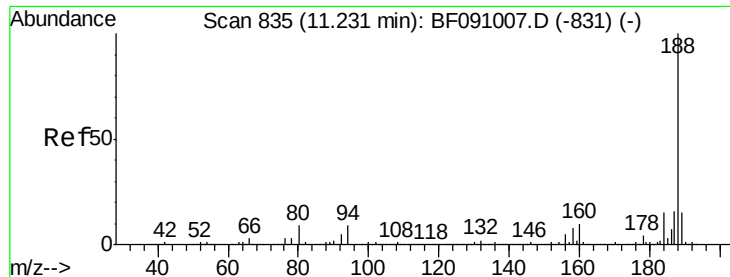
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

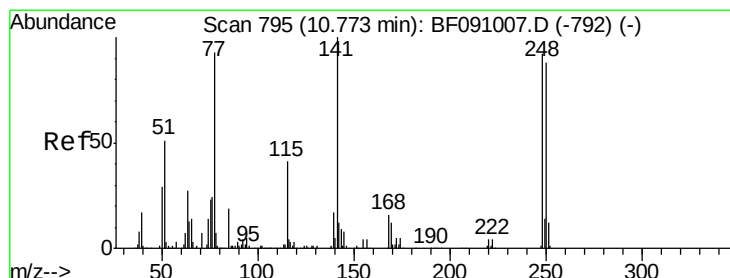
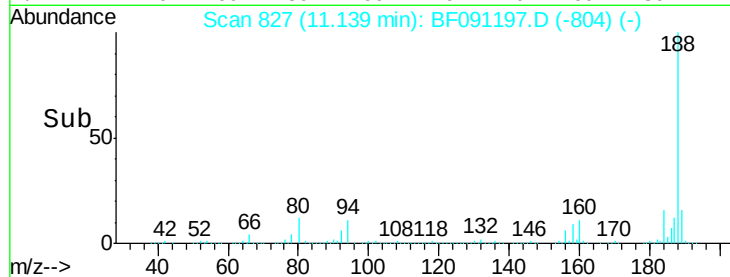
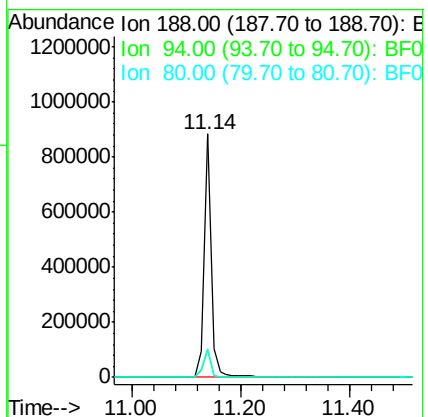
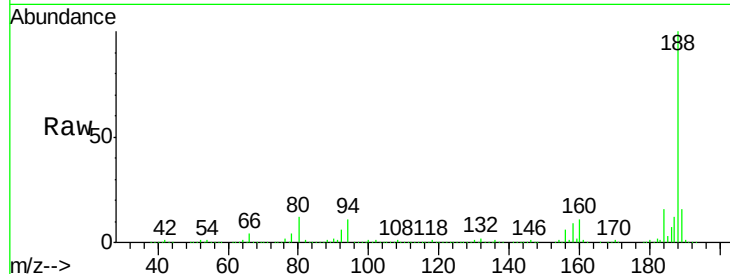




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.03 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

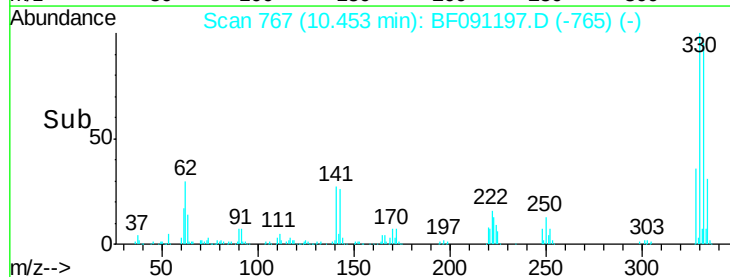
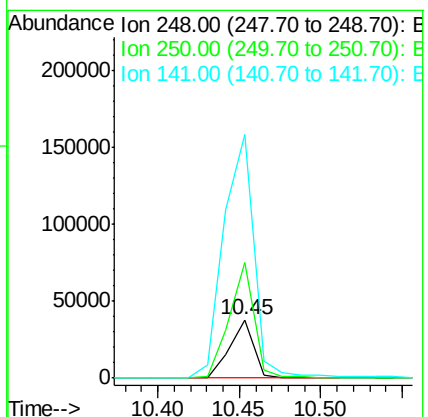
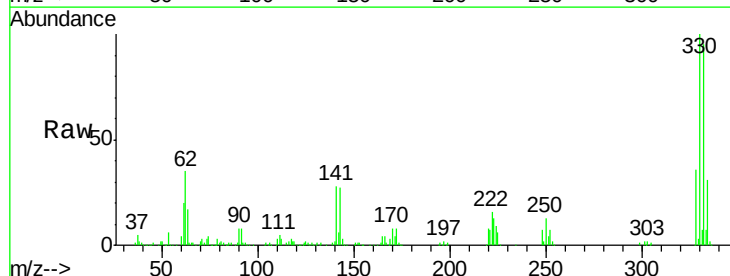
Instrument :
BNA_F
ClientSampleId :
C19043041

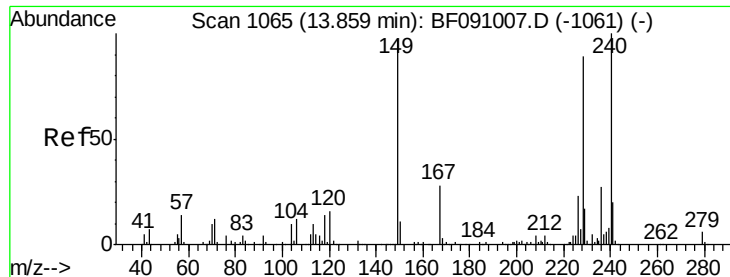
Tgt Ion:188 Resp: 791177
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.4#
80 11.8 7.5 11.3#



#66
4-Bromophenyl-phenylether
Concen: 4.76 ng
RT: 10.45 min Scan# 767
Delta R.T. -0.27 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

Tgt Ion:248 Resp: 39169
Ion Ratio Lower Upper
248 100
250 197.8 76.3 114.5#
141 416.1 86.8 130.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.05 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

Instrument :

BNA_F

ClientSampleId :

C19043041

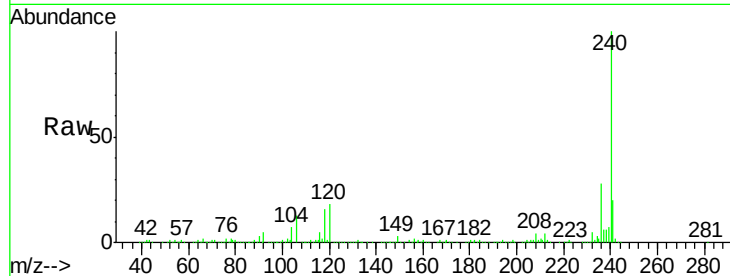
Tgt Ion:240 Resp: 602341

Ion Ratio Lower Upper

240 100

120 17.8 12.9 19.3

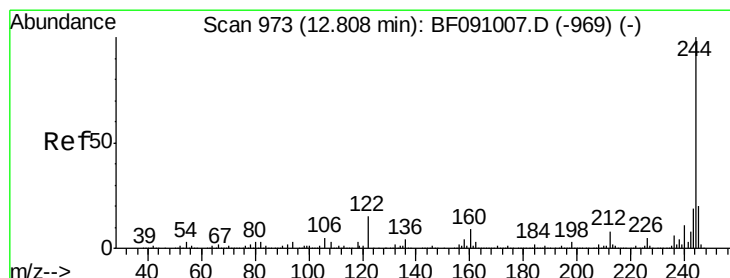
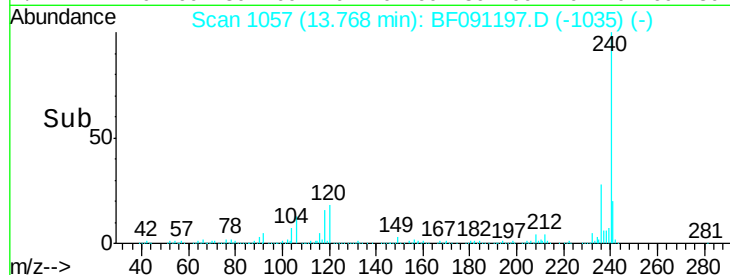
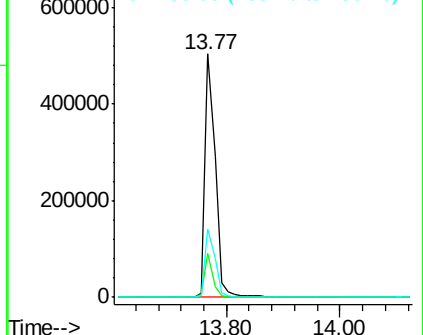
236 28.1 21.9 32.9



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



#78

Terphenyl-d14

Concen: 107.56 ng

RT: 12.74 min Scan# 967

Delta R.T. -0.02 min

Lab File: BF091197.D

Acq: 16 Nov 2016 19:27

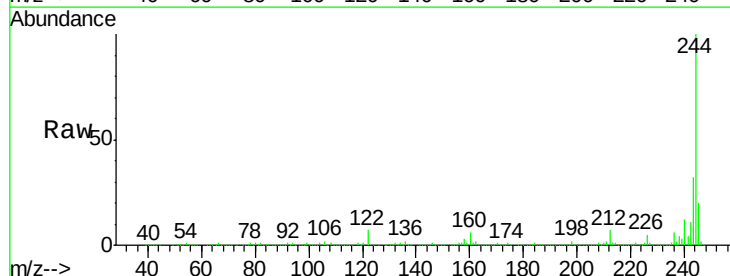
Tgt Ion:244 Resp: 2596191

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

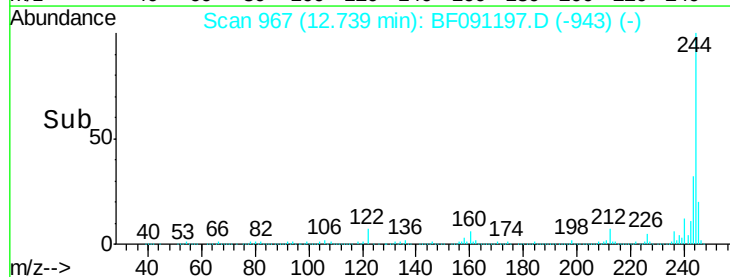
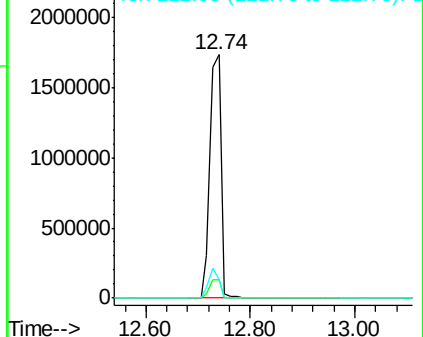
122 7.4 12.3 18.5#

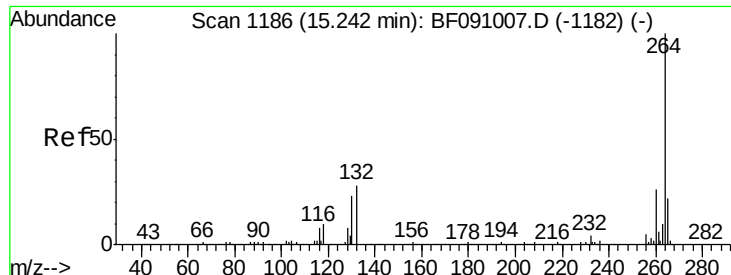


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

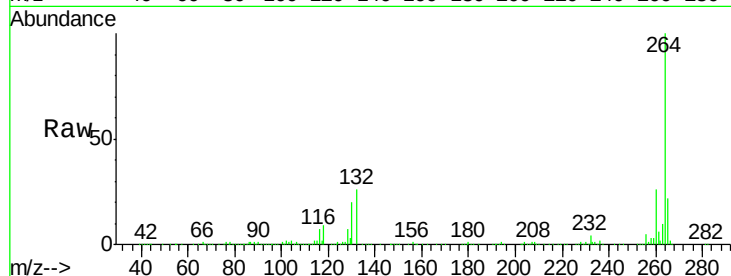




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1177
Delta R.T. -0.05 min
Lab File: BF091197.D
Acq: 16 Nov 2016 19:27

Instrument :
BNA_F
ClientSampleId :
C19043041

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.6	30.8
265	21.9	17.8	26.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

