

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031817\
 Data File : BF093736.D
 Acq On : 18 Mar 2017 6:54
 Operator : SJ/MA
 Sample : PB97625BL
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97625BL

Quant Time: Mar 18 07:15:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 05:21:29 2017
 Response via : Initial Calibration

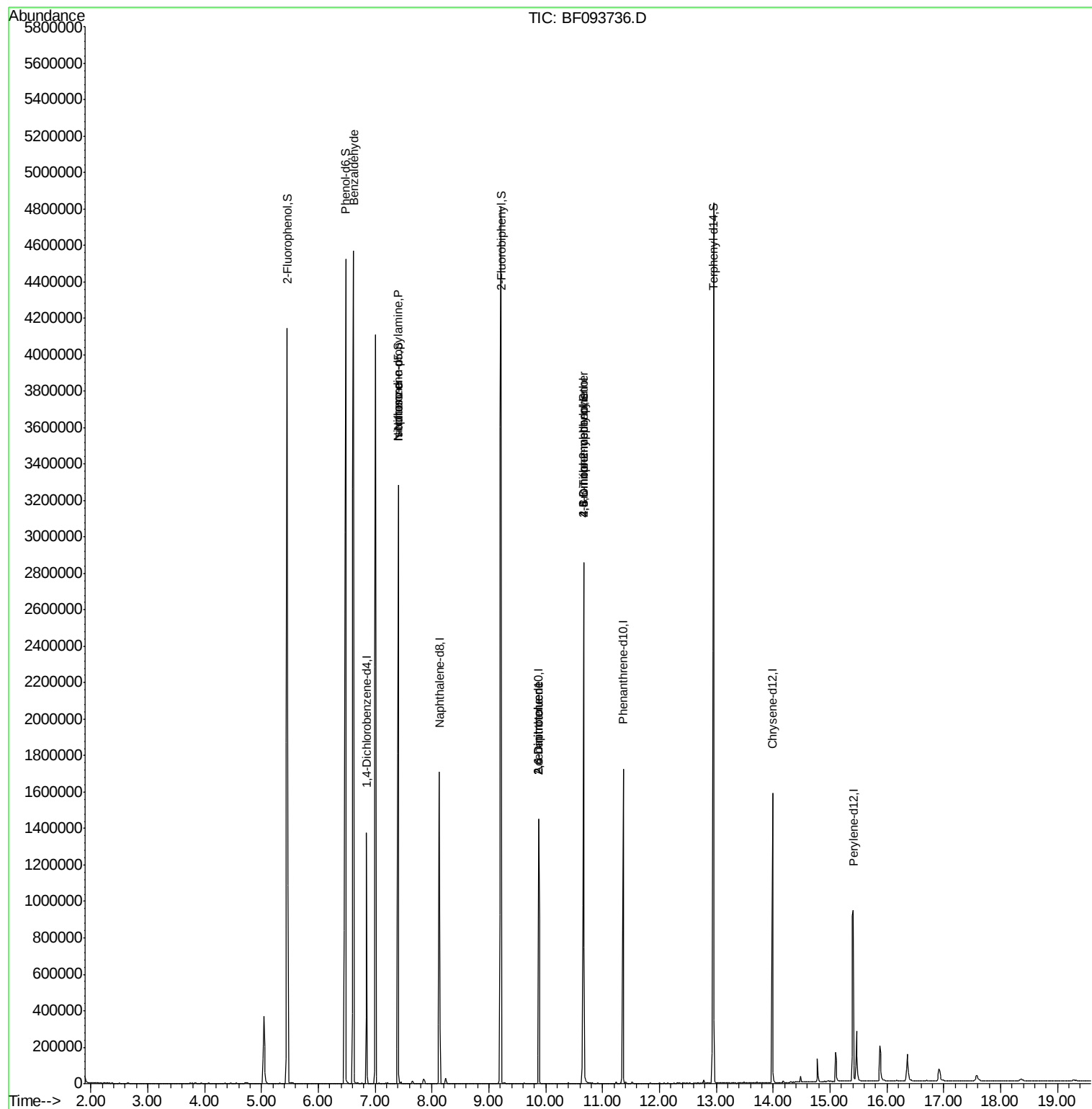
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	206306	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	798547	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	368929	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	714895	20.00	ng	0.00
75) Chrysene-d12	13.99	240	631834	20.00	ng	-0.01
86) Perylene-d12	15.41	264	516818	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1486593	120.14	ng	0.01
7) Phenol-d6	6.48	99	2064085	134.58	ng	0.00
23) Nitrobenzene-d5	7.41	82	1250788	94.01	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	379196	157.05	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	2192578	112.15	ng	0.00
78) Terphenyl-d14	12.95	244	1649183	56.18	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	36822	2.30	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.41	70	167598	16.46	ng	# 82
25) Isophorone	7.41	82	1207283	47.14	ng	# 67
50) 2,6-Dinitrotoluene	9.88	165	46453	8.92	ng	# 33
56) 2,4-Dinitrotoluene	9.88	165	46444	6.70	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.66	198	854	4.13	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	24962	3.69	ng	# 1

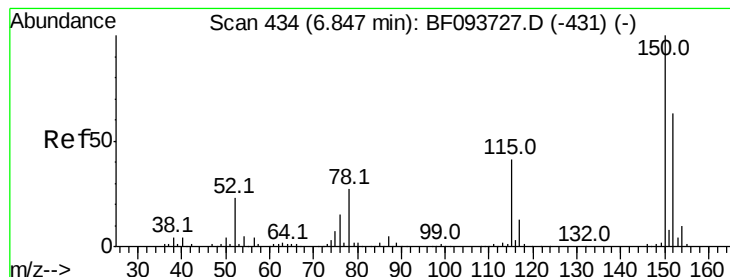
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF093736.D

Acq: 18 Mar 2017 6:54

Instrument :

BNA_F

ClientSampleId :

PB97625BL

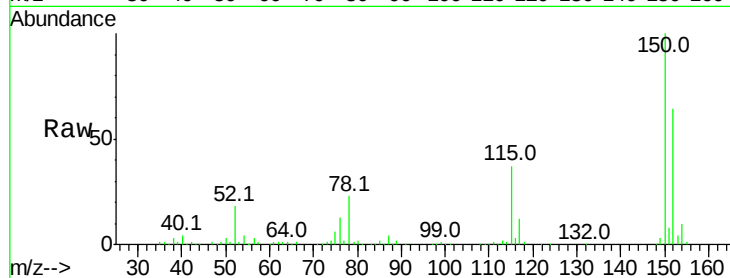
Tot Ion:152 Resp: 206306

Ion Ratio Lower Upper

152 100

150 156.9 126.2 189.2

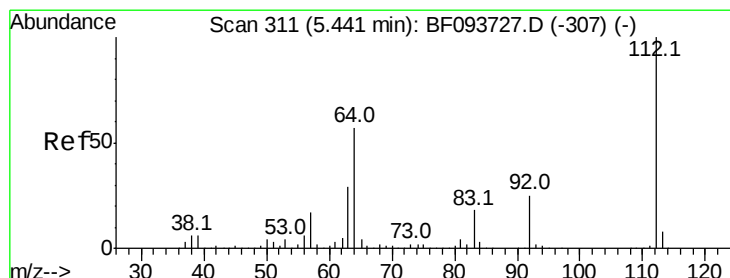
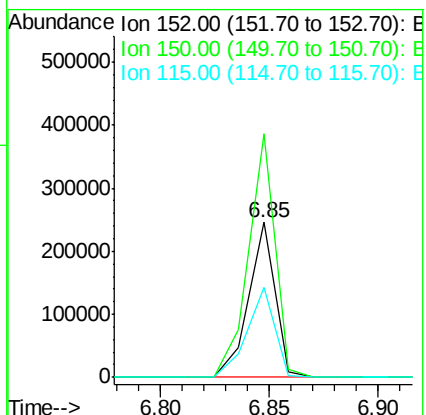
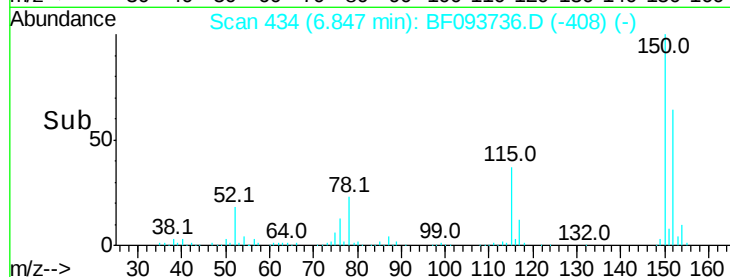
115 57.9 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 120.14 ng

RT: 5.45 min Scan# 312

Delta R.T. 0.01 min

Lab File: BF093736.D

Acq: 18 Mar 2017 6:54

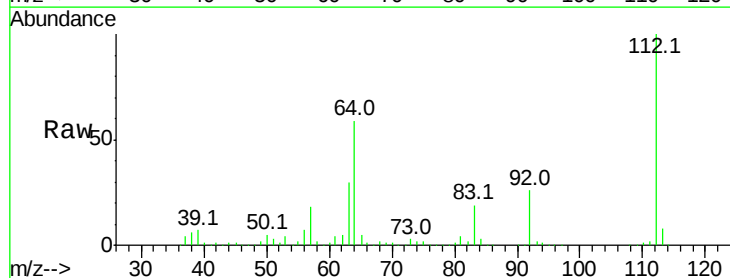
Tgt Ion:112 Resp: 1486593

Ion Ratio Lower Upper

112 100

64 59.3 46.0 69.0

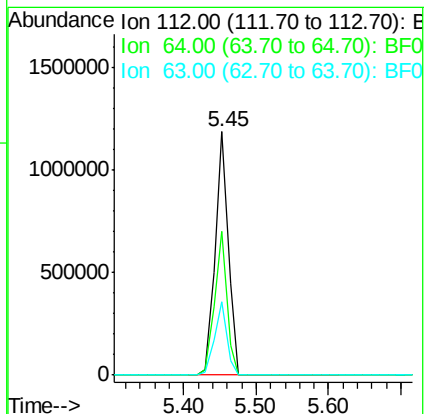
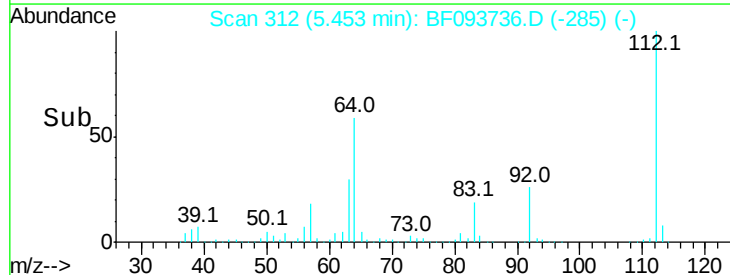
63 30.2 23.4 35.0

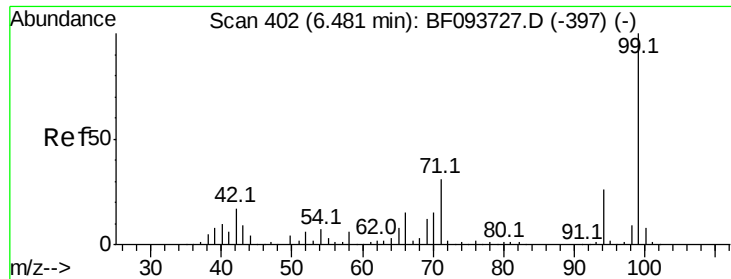


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.58 ng

RT: 6.48 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF093736.D

Acq: 18 Mar 2017 6:54

Instrument :

BNA_F

ClientSampleId :

PB97625BL

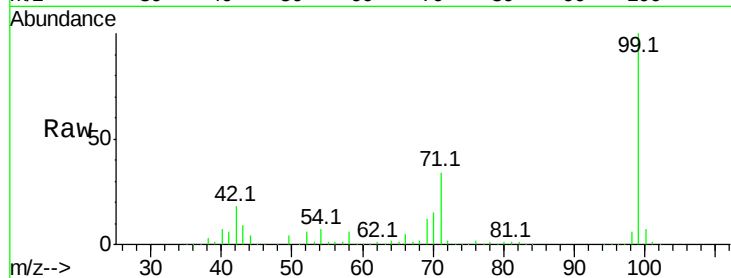
Tot Ion: 99 Resp: 2064085

Ion Ratio Lower Upper

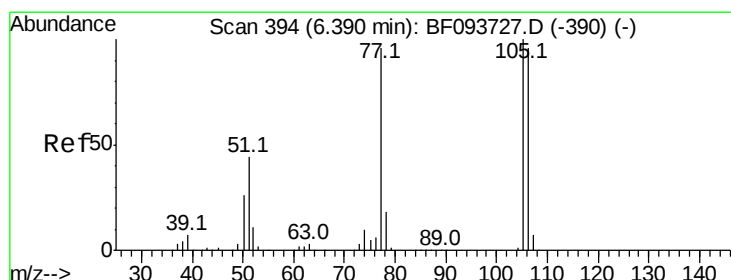
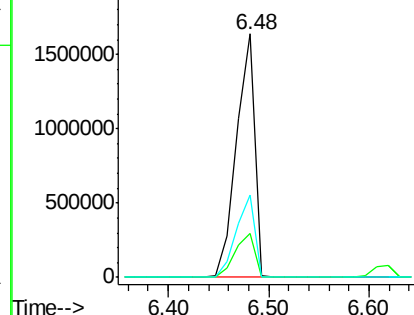
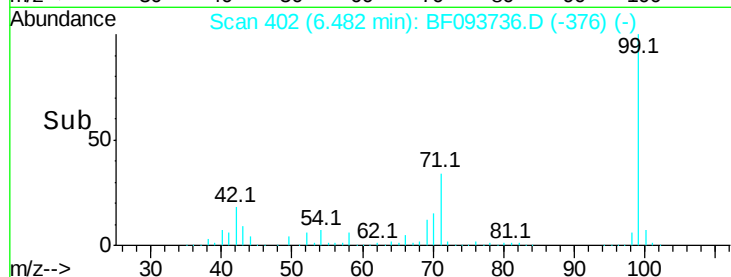
99 100

42 18.3 13.5 20.3

71 33.9 24.5 36.7



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: 2.30 ng

RT: 6.62 min Scan# 414

Delta R.T. 0.23 min

Lab File: BF093736.D

Acq: 18 Mar 2017 6:54

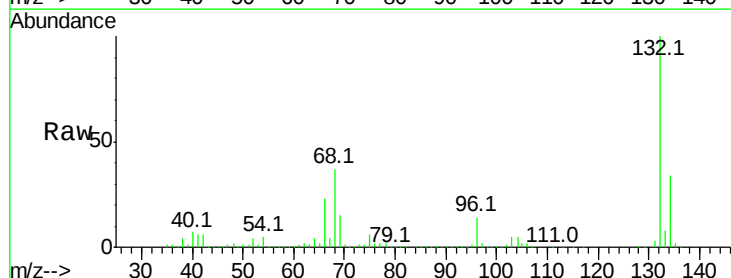
Tgt Ion: 77 Resp: 36822

Ion Ratio Lower Upper

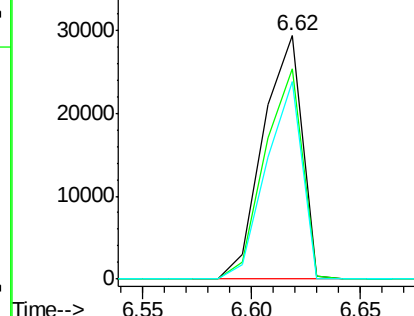
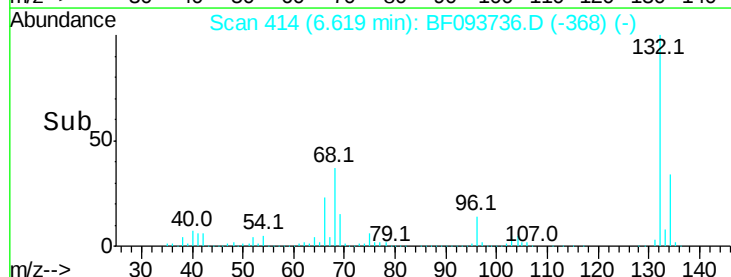
77 100

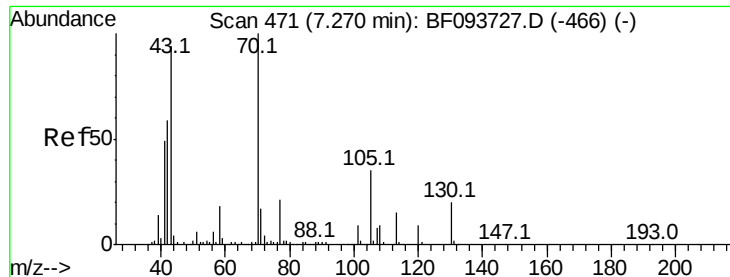
105 86.4 83.8 123.8

106 81.2 79.1 119.1



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

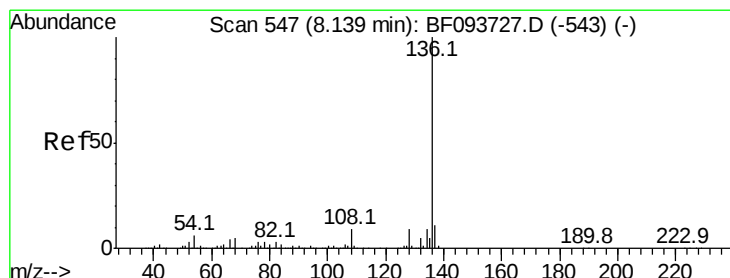
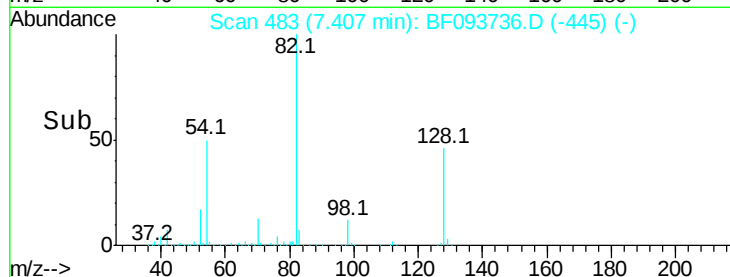
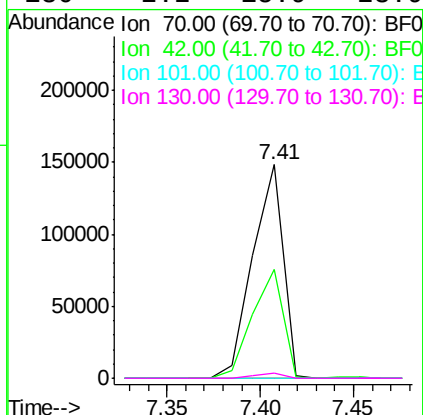
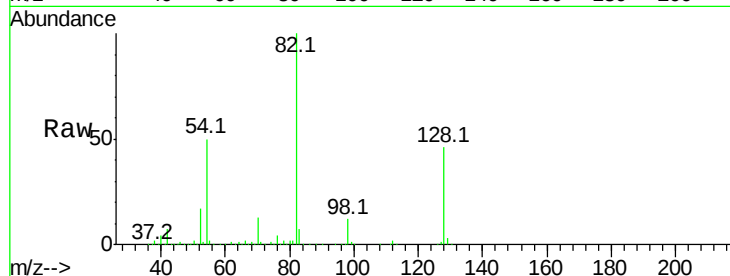




#19
n-Nitroso-di-n-propylamine
Concen: 16.46 ng
RT: 7.41 min Scan# 483
Delta R.T. 0.14 min
Lab File: BF093736.D
Acq: 18 Mar 2017 6:54

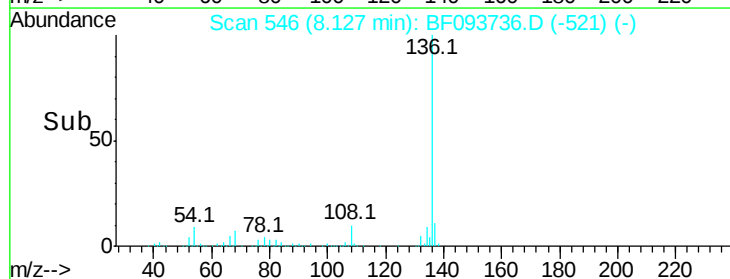
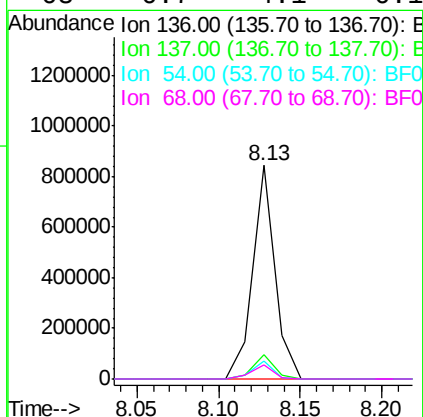
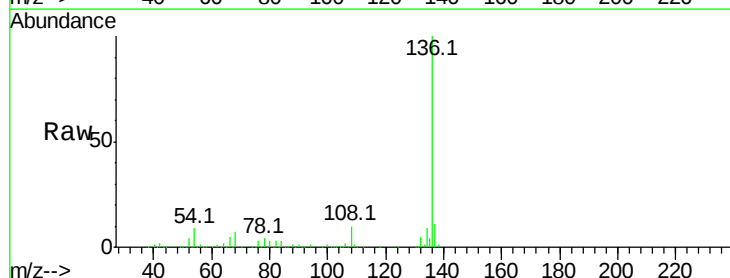
Instrument :
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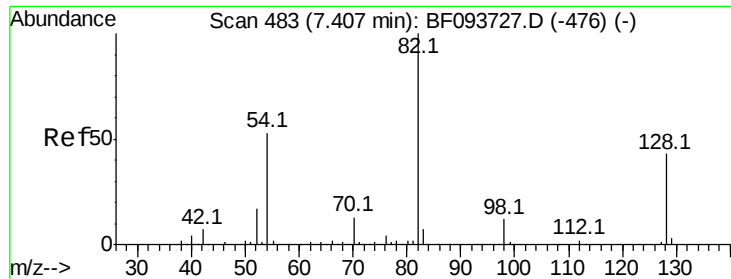
Tot Ion: 70 Resp: 167598
Ion Ratio Lower Upper
70 100
42 51.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.2 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF093736.D
Acq: 18 Mar 2017 6:54

Tgt Ion: 136 Resp: 798547
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 8.5 4.9 7.3#
68 6.7 4.1 6.1#



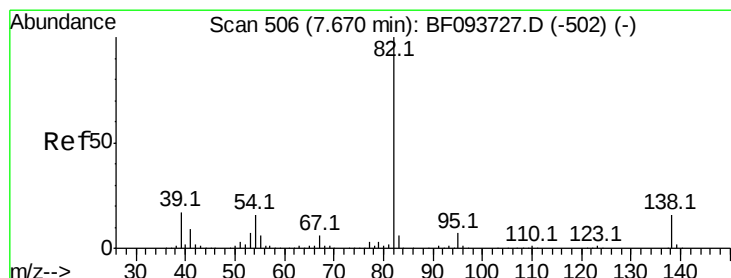
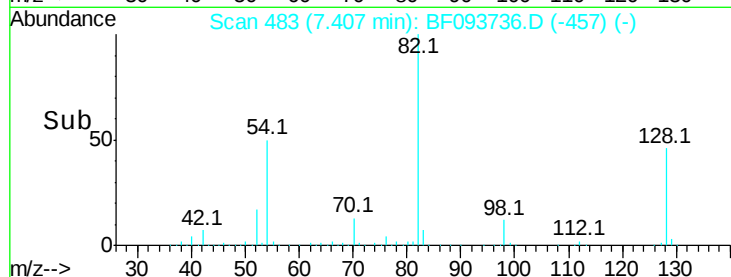
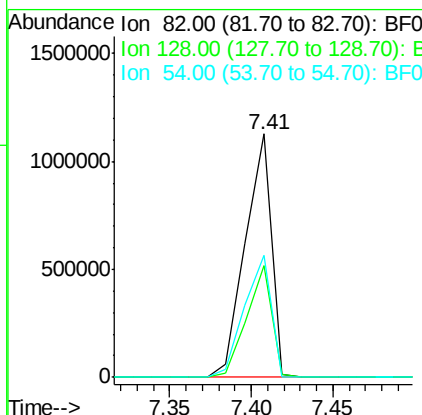
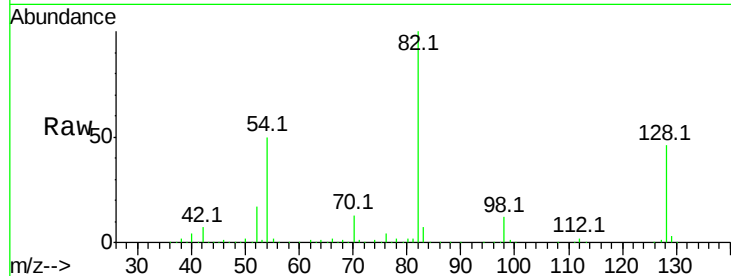


#23
 Nitrobenzene-d5
 Concen: 94.01 ng
 RT: 7.41 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 PB97625BL

Tot Ion: 82 Resp: 1250788

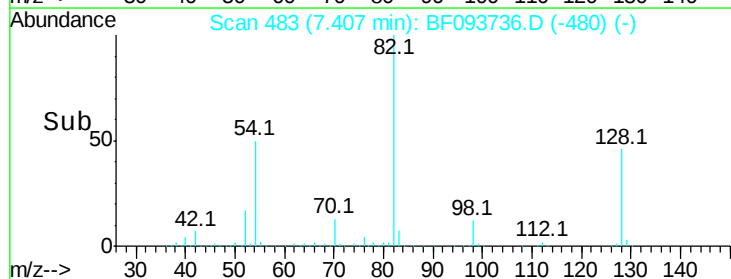
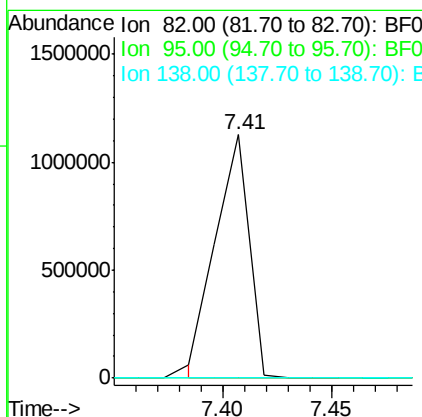
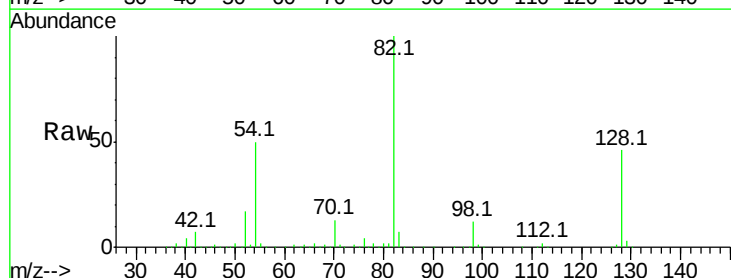
Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	50.3	42.2	63.2

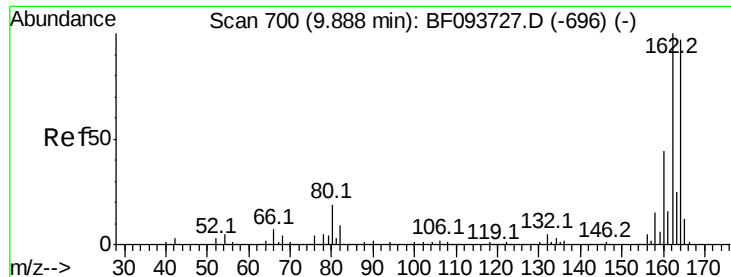


#25
 Isophorone
 Concen: 47.14 ng
 RT: 7.41 min Scan# 483
 Delta R.T. -0.26 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

Tgt Ion: 82 Resp: 1207283

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

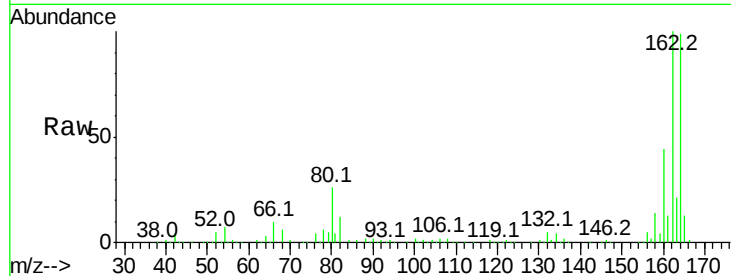




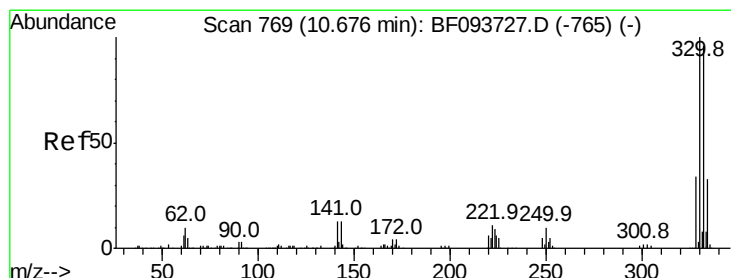
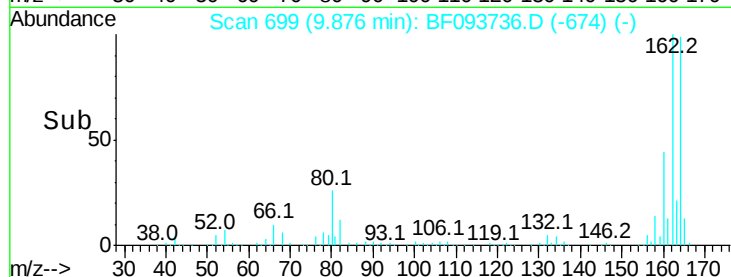
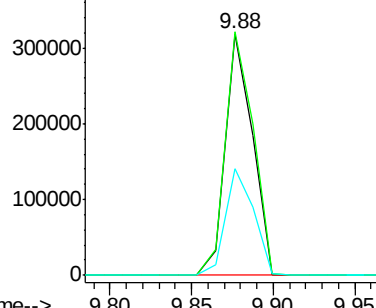
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF093736.D
Acq: 18 Mar 2017 6:54

Instrument :
BNA_F
ClientSampleId :
PB97625BL

Tot Ion:164 Resp: 368929
Ion Ratio Lower Upper
164 100
162 100.9 82.6 123.8
160 44.0 36.2 54.2

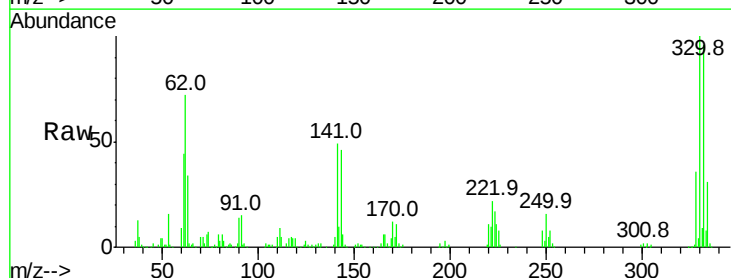


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

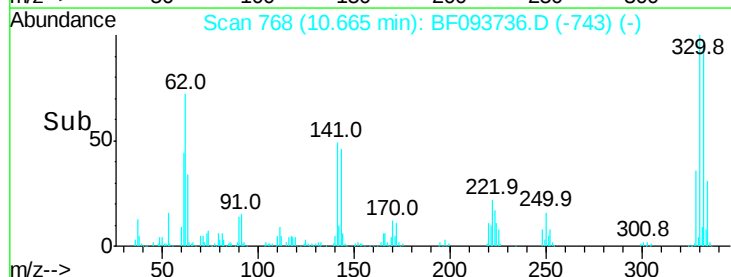
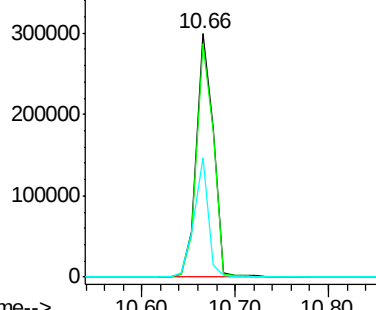


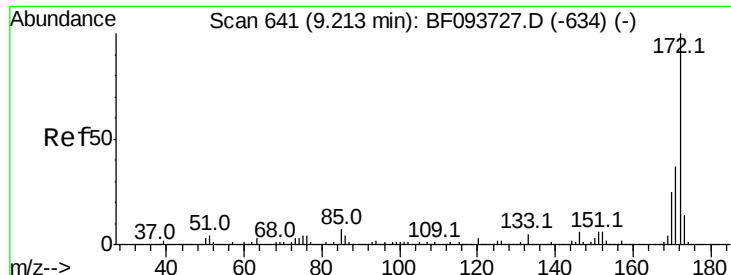
#41
2,4,6-Tribromophenol
Concen: 157.05 ng
RT: 10.66 min Scan# 768
Delta R.T. -0.01 min
Lab File: BF093736.D
Acq: 18 Mar 2017 6:54

Tgt Ion:330 Resp: 379196
Ion Ratio Lower Upper
330 100
332 97.0 76.6 115.0
141 40.9 31.4 47.2



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



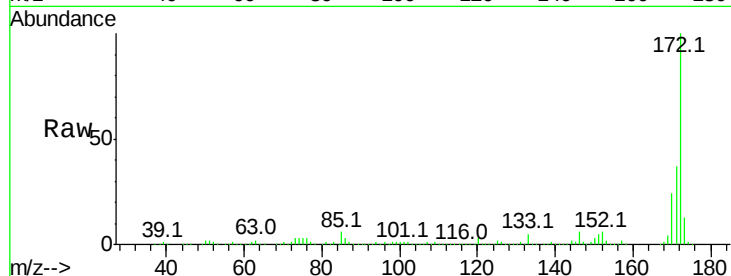


#44
 2-Fluorobiphenyl
 Concen: 112.15 ng
 RT: 9.21 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

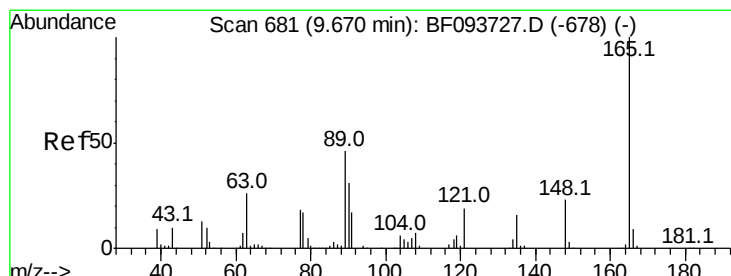
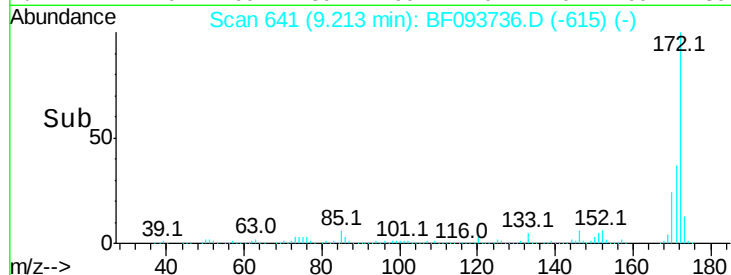
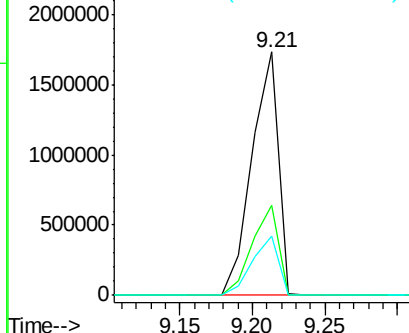
Instrument :
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Tot Ion:172 Resp: 2192578

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.5	19.8	29.8



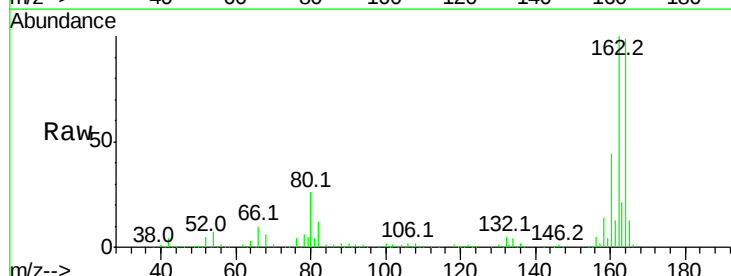
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



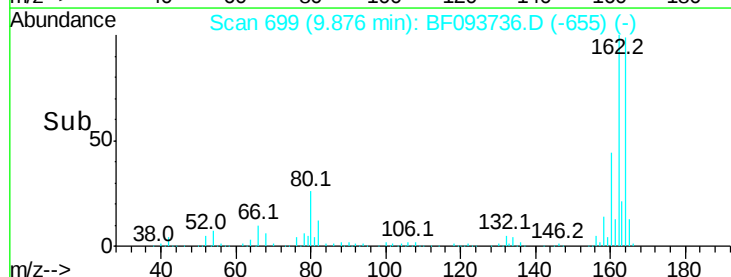
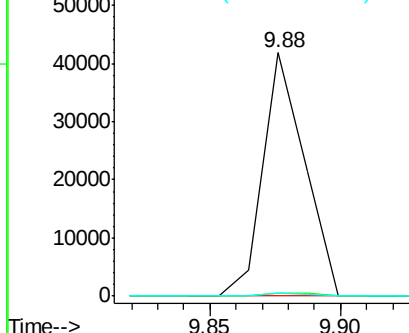
#50
 2,6-Dinitrotoluene
 Concen: 8.92 ng
 RT: 9.88 min Scan# 699
 Delta R.T. 0.21 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

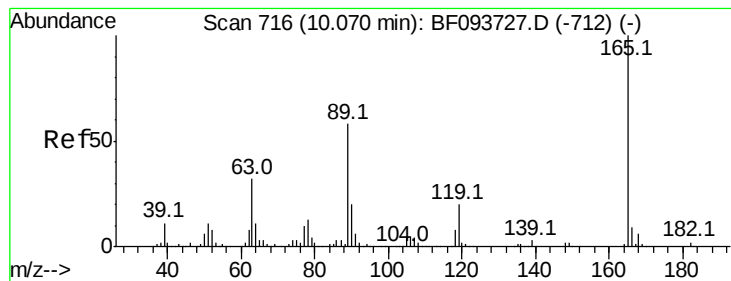
Tgt Ion:165 Resp: 46453

Ion	Ratio	Lower	Upper
165	100		
63	1.2	34.3	51.5#
89	1.4	37.1	55.7#



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

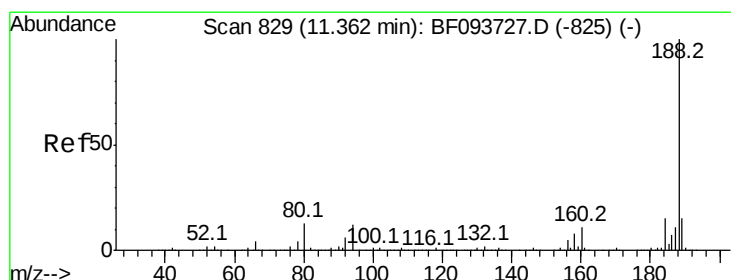
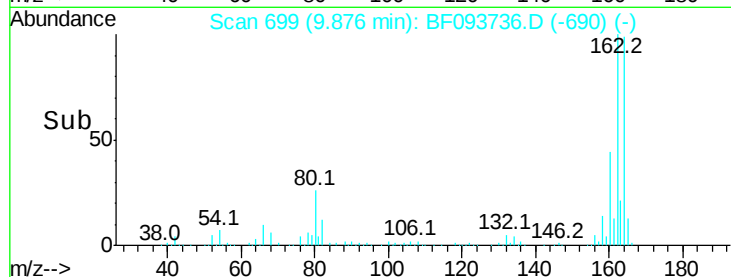
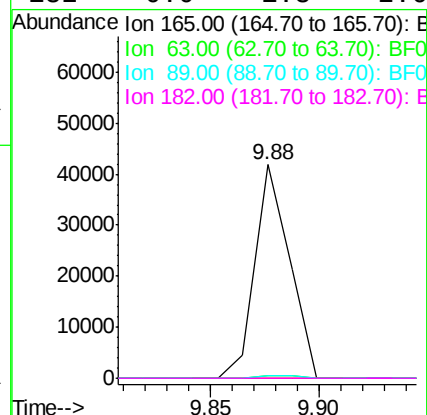
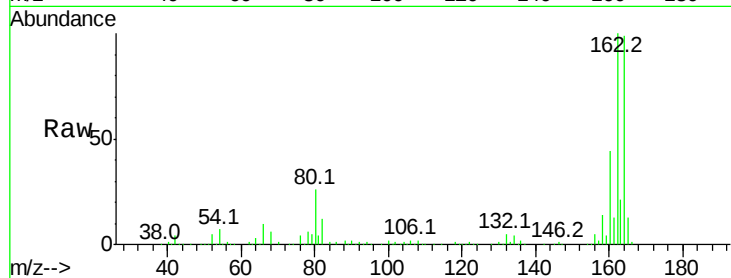




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.88 min Scan# 699
 Delta R.T. -0.19 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

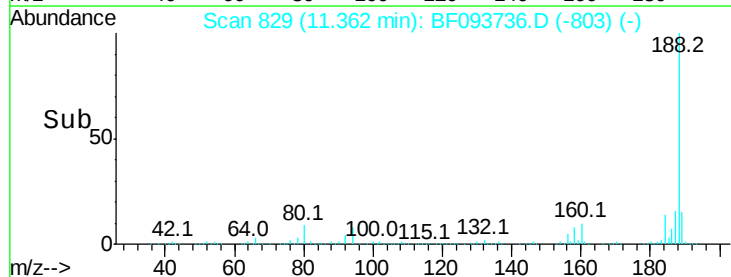
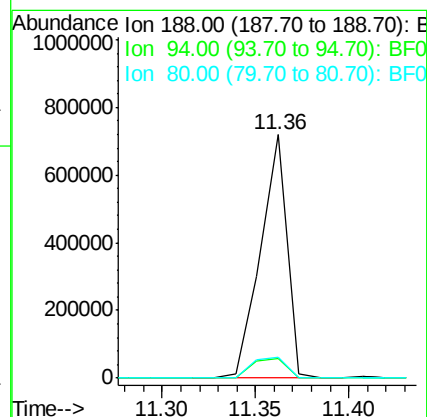
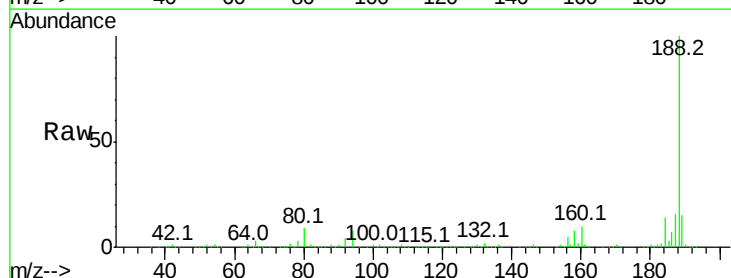
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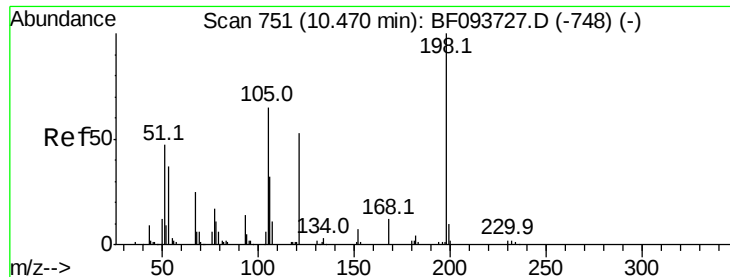
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	9.4	14.2#
80	8.5	10.2	15.2#

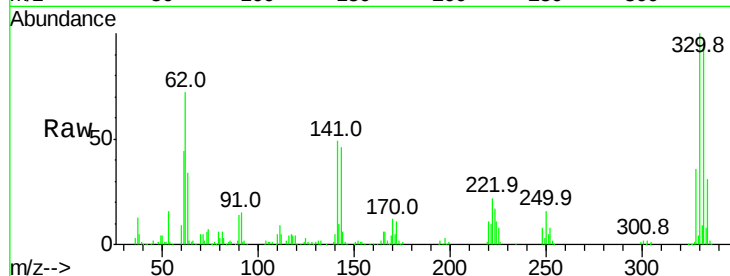




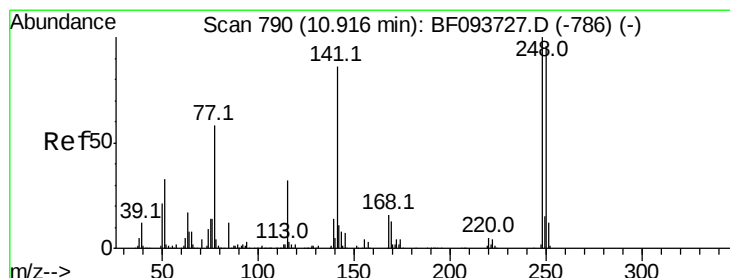
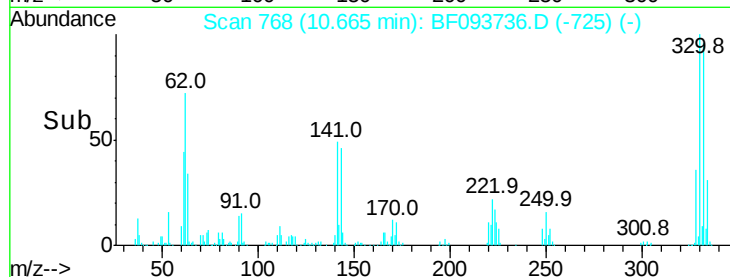
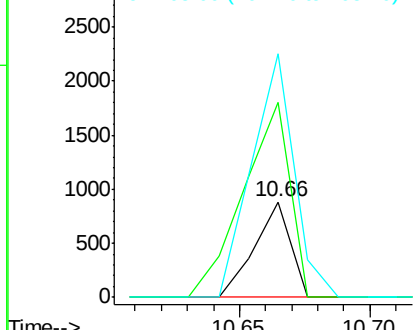
#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.13 ng
 RT: 10.66 min Scan# 768
 Delta R.T. 0.19 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 PB97625BL

Tot Ion:198 Resp: 854
 Ion Ratio Lower Upper
 198 100
 51 203.7 53.2 93.2#
 105 255.0 45.8 85.8#

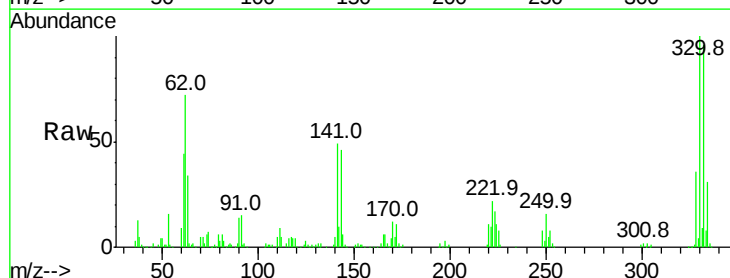


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

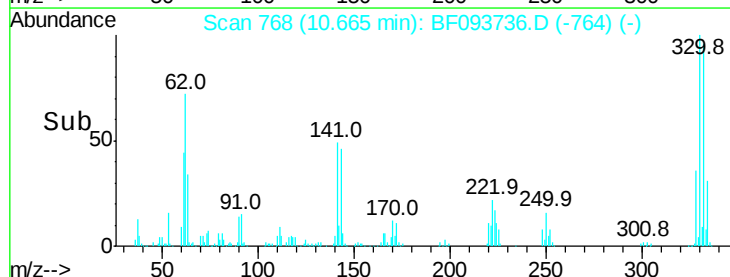
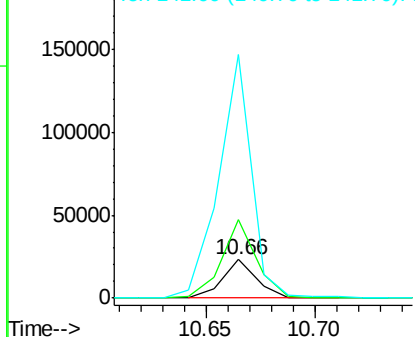


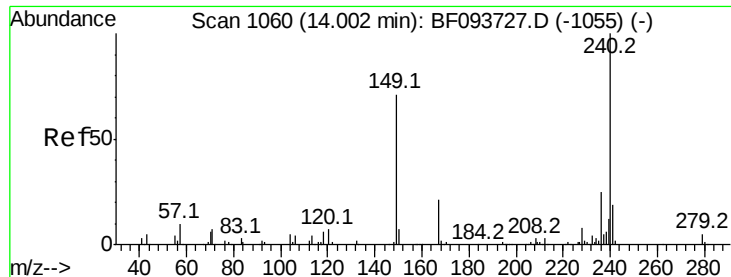
#66
 4-Bromophenyl-phenylether
 Concen: 3.69 ng
 RT: 10.66 min Scan# 768
 Delta R.T. -0.25 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

Tgt Ion:248 Resp: 24962
 Ion Ratio Lower Upper
 248 100
 250 205.0 76.8 115.2#
 141 631.6 68.6 103.0#



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093736.D

Acq: 18 Mar 2017 6:54

Instrument :

BNA_F

ClientSampleId :

PB97625BL

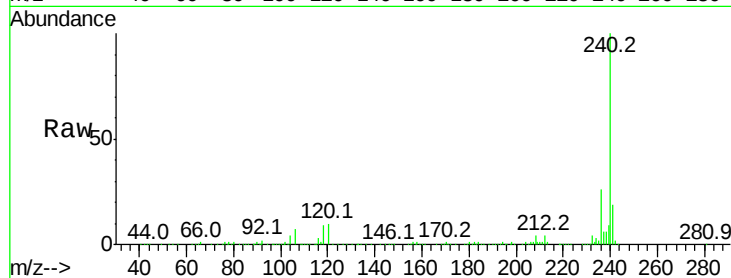
Tot Ion:240 Resp: 631834

Ion Ratio Lower Upper

240 100

120 10.2 5.8 8.8#

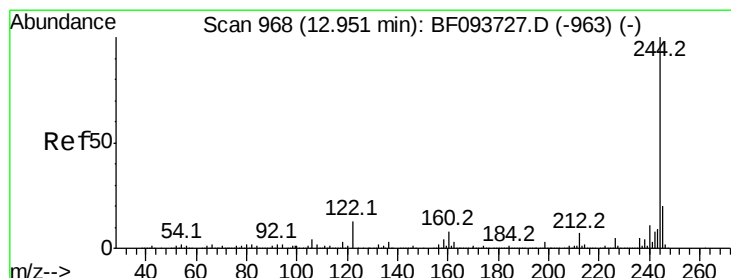
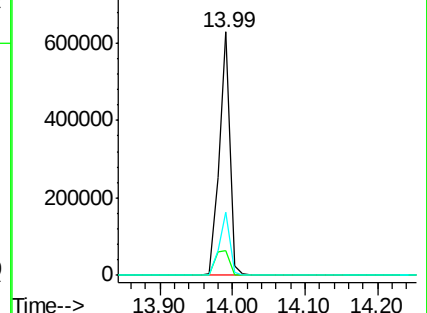
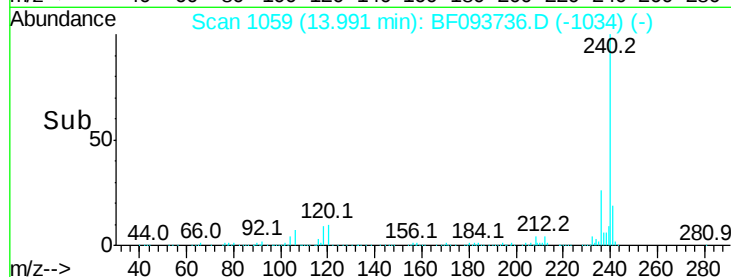
236 25.9 20.5 30.7



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: 56.18 ng

RT: 12.95 min Scan# 968

Delta R.T. 0.00 min

Lab File: BF093736.D

Acq: 18 Mar 2017 6:54

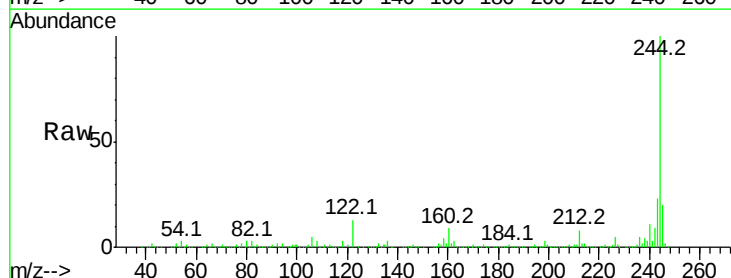
Tgt Ion:244 Resp: 1649183

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

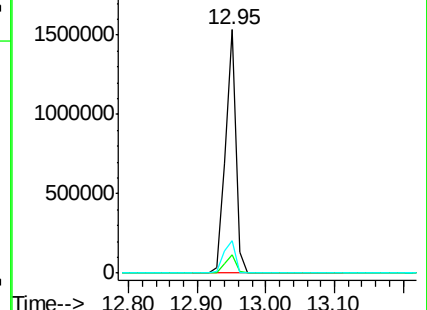
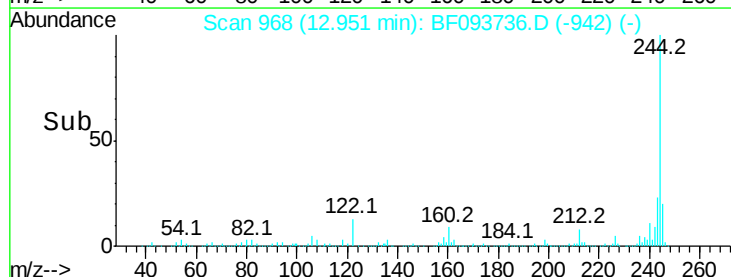
122 13.2 10.3 15.5

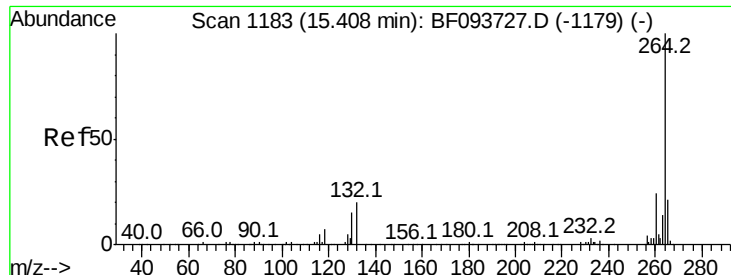


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

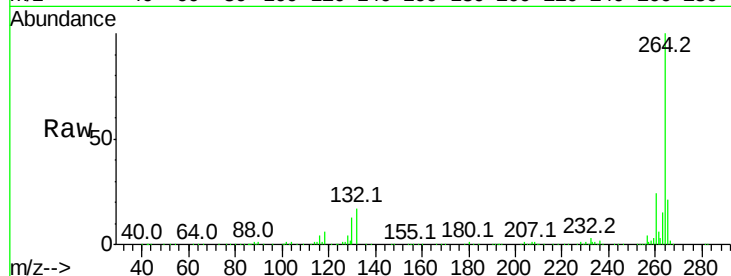




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BF093736.D
 Acq: 18 Mar 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 PB97625BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.5	29.3
265	21.1	17.2	25.8



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

