

Data File : BF093131.D
Acq On : 24 Feb 2017 5:35
Operator : SJ/MA
Sample : PB97121BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB97121BL

Quant Time: Feb 24 06:09:17 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	152870	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	546797	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	229459	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	336286	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	310886	20.00	ng	-0.02
86) Perylene-d12	15.43	264	249099	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	750192	84.19	ng	-0.01
7) Phenol-d6	6.48	99	863994	75.36	ng	-0.01
23) Nitrobenzene-d5	7.41	82	874366	89.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	126545	76.25	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1394178	110.08	ng	-0.01
78) Terphenyl-d14	12.95	244	828162	62.59	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	114365	15.67	ng	# 77
25) Isophorone	7.41	82	855788	46.77	ng	# 65
50) 2,6-Dinitrotoluene	9.88	165	28279	8.47	ng	# 32
56) 2,4-Dinitrotoluene	9.88	165	28279	6.36	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.67	198	226	2.77	ng	# 42
66) 4-Bromophenyl-phenylether	10.67	248	9464	2.69	ng	# 1

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

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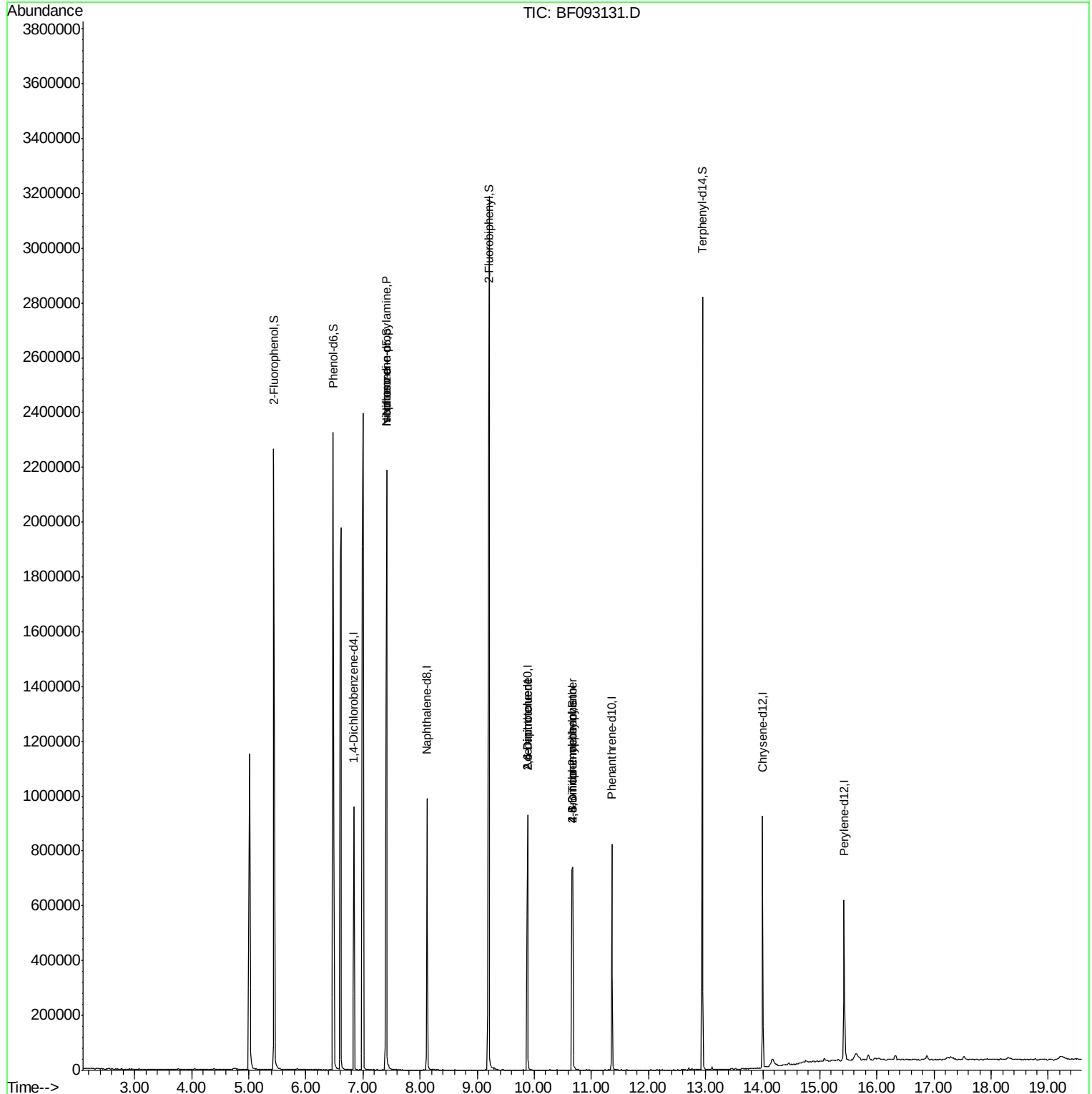
Quant Time: Feb 24 06:09:17 2017

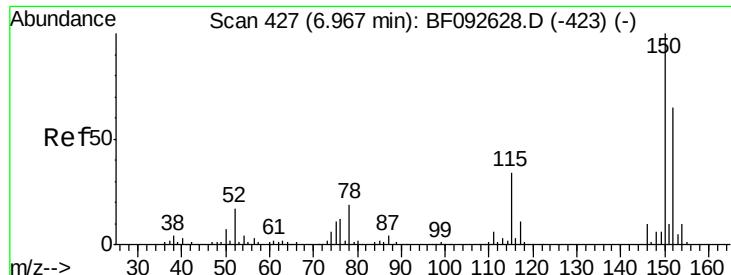
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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QLast Update : Fri Feb 17 17:31:55 2017

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

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ClientSampleId :

PB97121BL

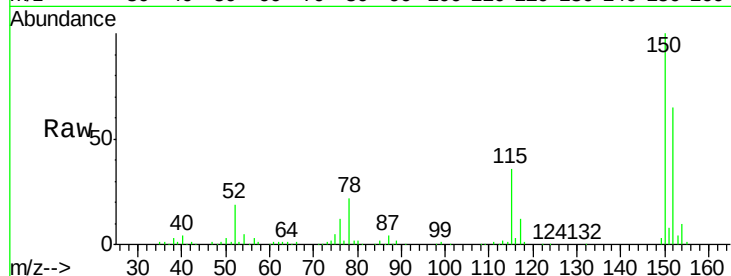
Tgt Ion:152 Resp: 152870

Ion Ratio Lower Upper

152 100

150 154.5 124.9 187.3

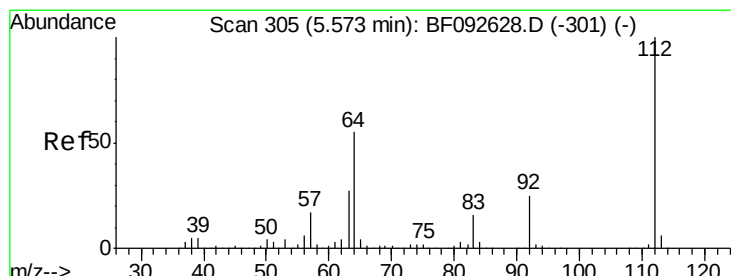
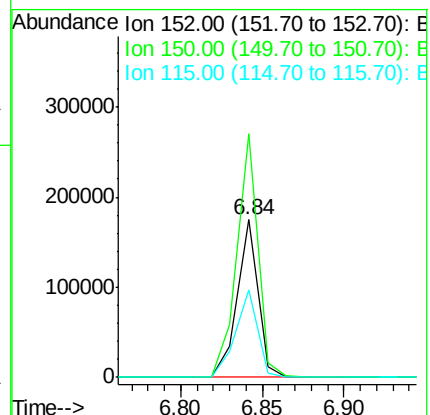
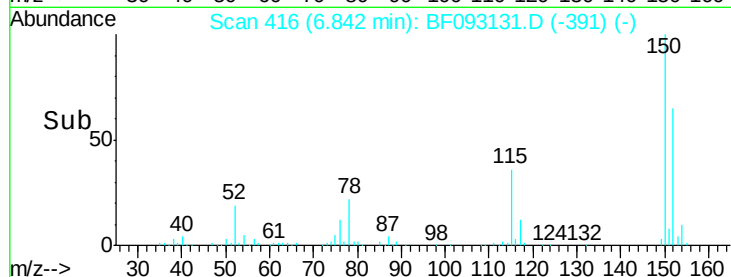
115 55.9 46.0 69.0



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: 84.19 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093131.D

Acq: 24 Feb 2017 5:35

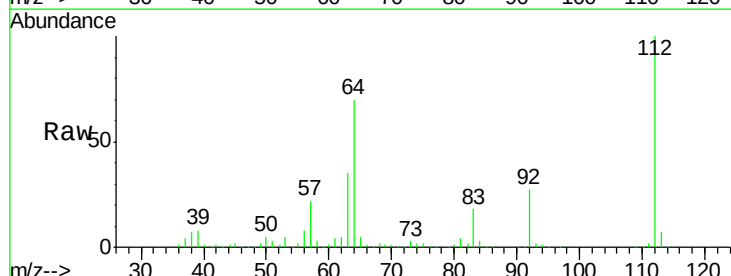
Tgt Ion:112 Resp: 750192

Ion Ratio Lower Upper

112 100

64 70.4 46.1 69.1#

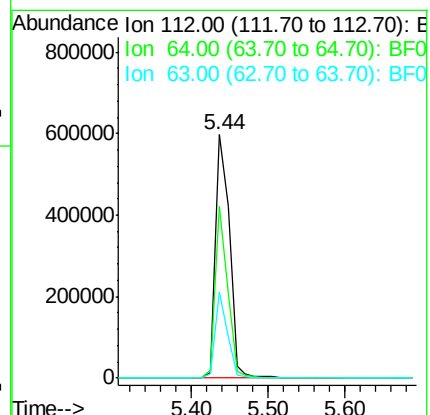
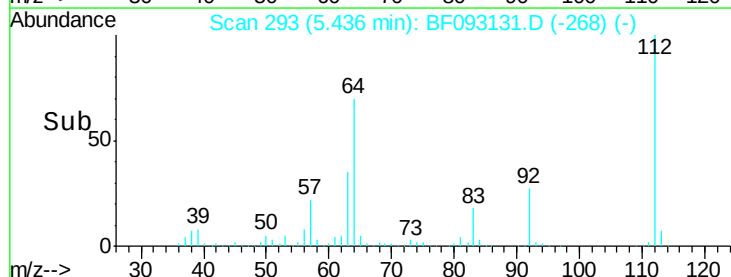
63 35.3 23.8 35.6

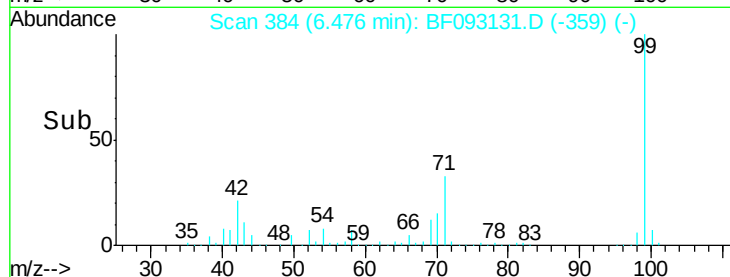
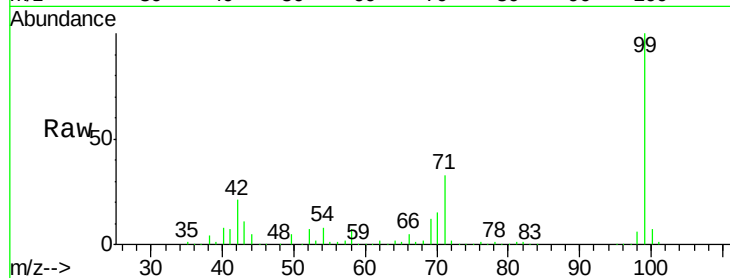
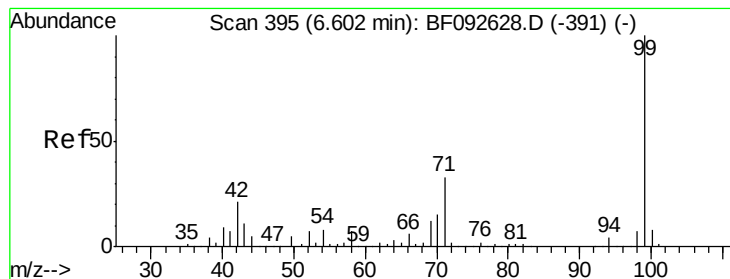


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 75.36 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093131.D

Acq: 24 Feb 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97121BL

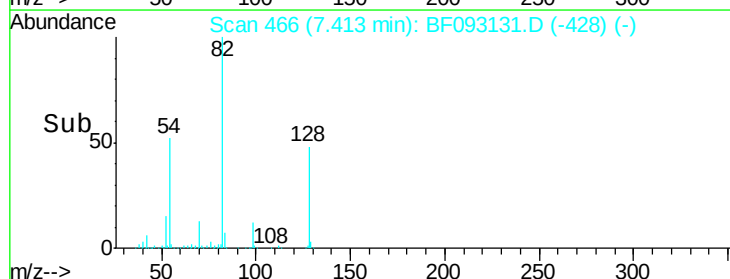
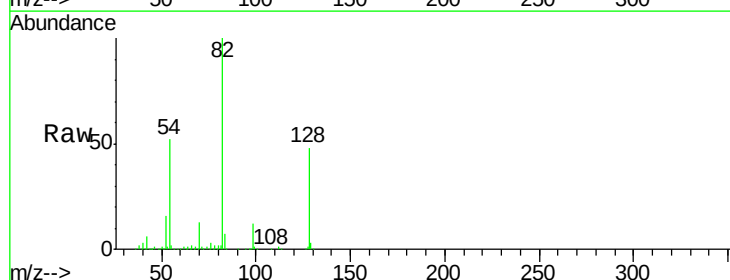
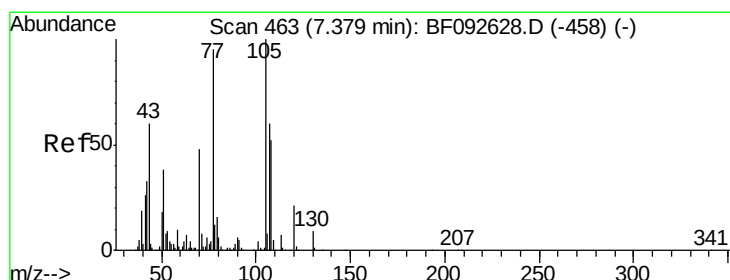
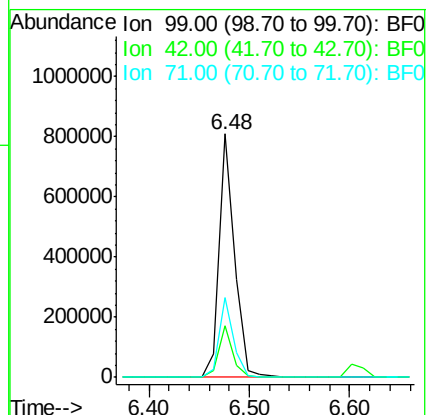
Tgt Ion: 99 Resp: 863994

Ion Ratio Lower Upper

99 100

42 21.2 15.6 23.4

71 32.5 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.67 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093131.D

Acq: 24 Feb 2017 5:35

Tgt Ion: 70 Resp: 114365

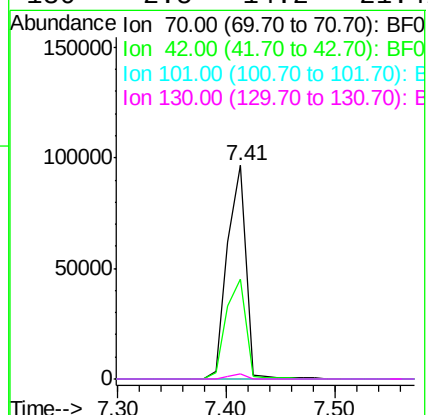
Ion Ratio Lower Upper

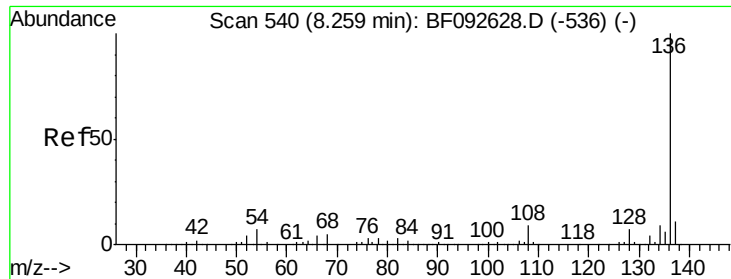
70 100

42 46.9 49.4 74.0#

101 0.0 7.4 11.2#

130 2.5 14.2 21.4#

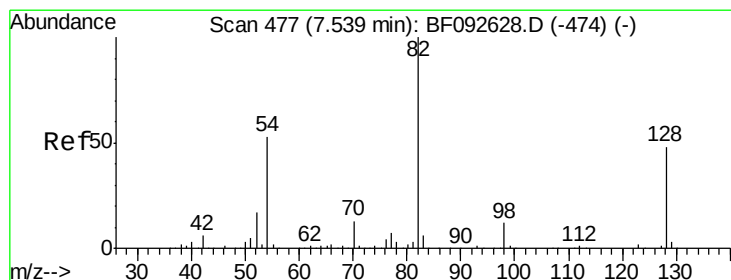
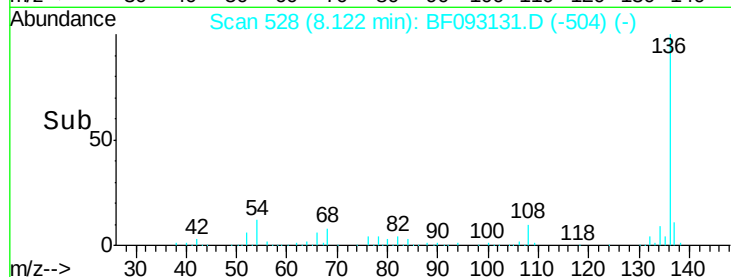
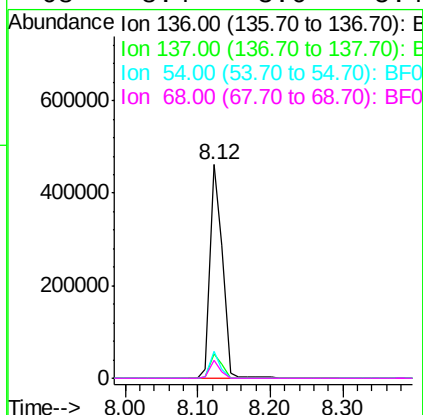
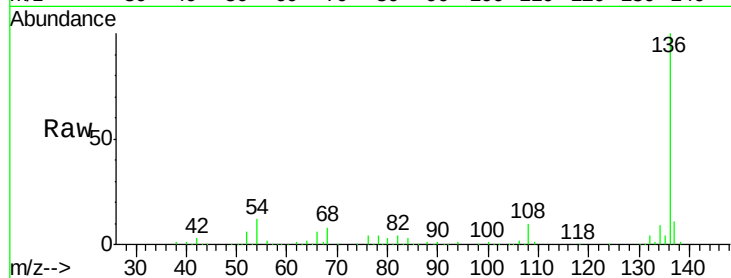




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093131.D
Acq: 24 Feb 2017 5:35

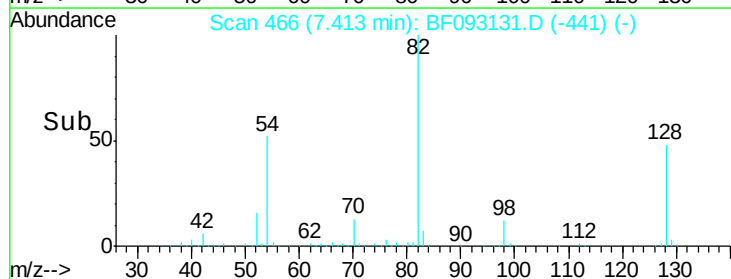
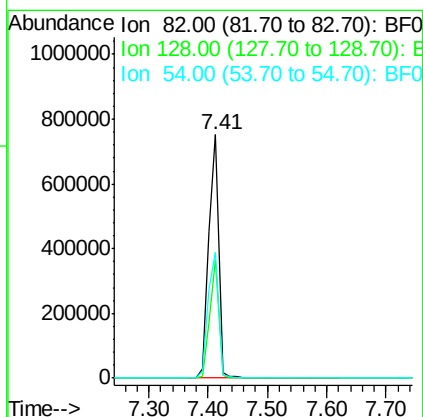
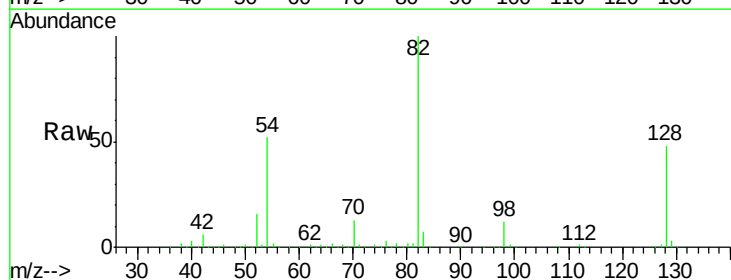
Instrument :
BNA_F
ClientSampleId :
PB97121BL

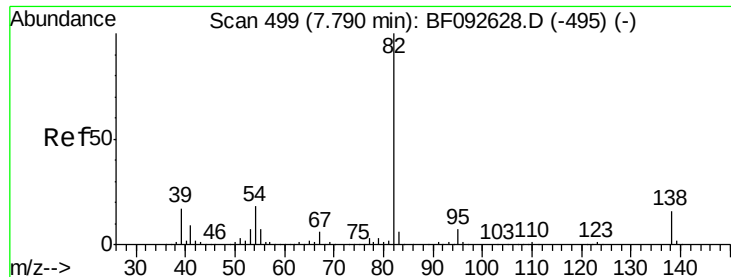
Tgt Ion:	136	Resp:	546797
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.4	12.6
54	12.4	4.5	6.7#
68	8.4	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 89.05 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093131.D
Acq: 24 Feb 2017 5:35

Tgt Ion:	82	Resp:	874366
Ion Ratio	Lower	Upper	
82	100		
128	48.3	34.6	52.0
54	51.8	39.5	59.3





#25

Isophorone

Concen: 46.77 ng

RT: 7.41 min Scan# 466

Delta R.T. -0.27 min

Lab File: BF093131.D

Acq: 24 Feb 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97121BL

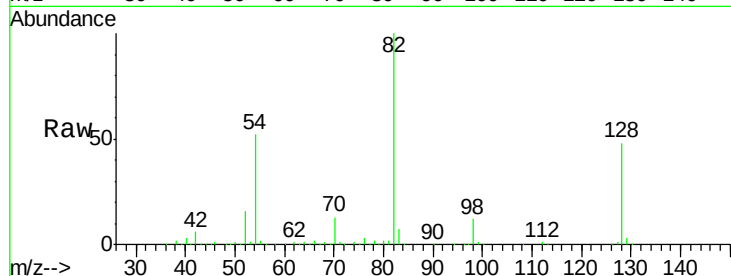
Tgt Ion: 82 Resp: 855788

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

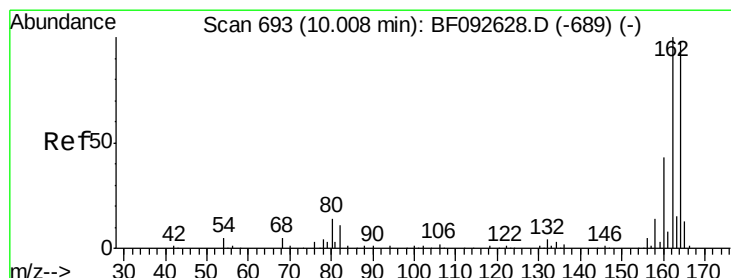
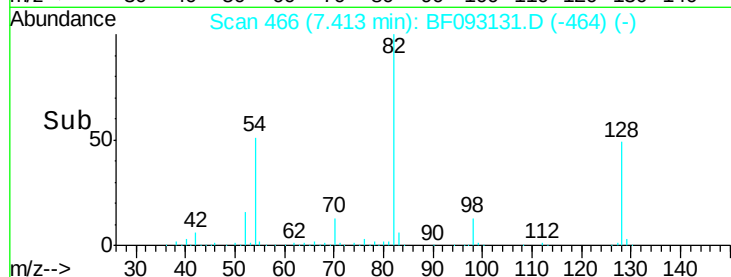
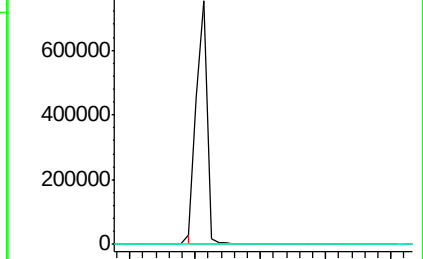
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF093131.D

Acq: 24 Feb 2017 5:35

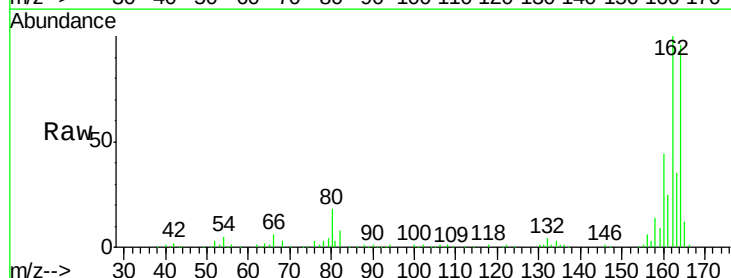
Tgt Ion: 164 Resp: 229459

Ion Ratio Lower Upper

164 100

162 104.3 80.2 120.2

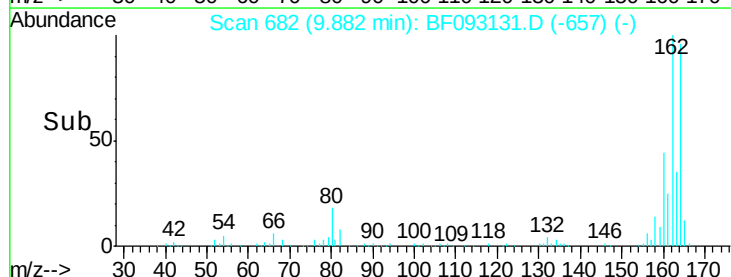
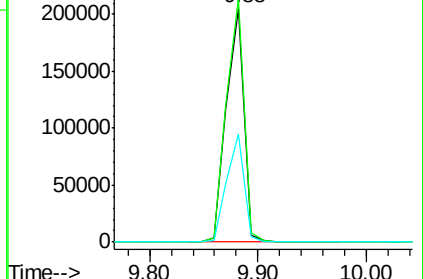
160 46.2 36.9 55.3

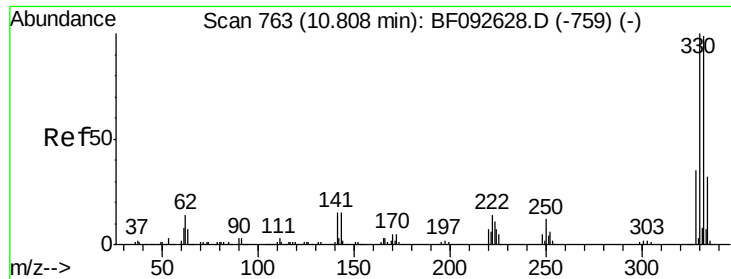


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

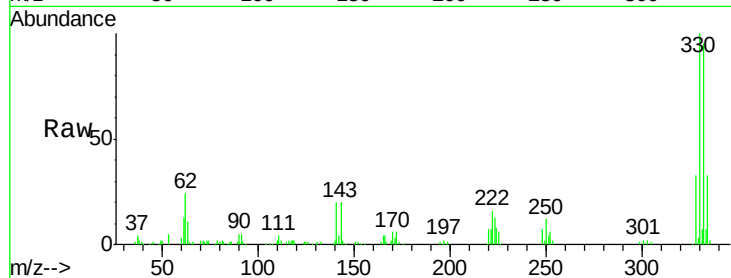




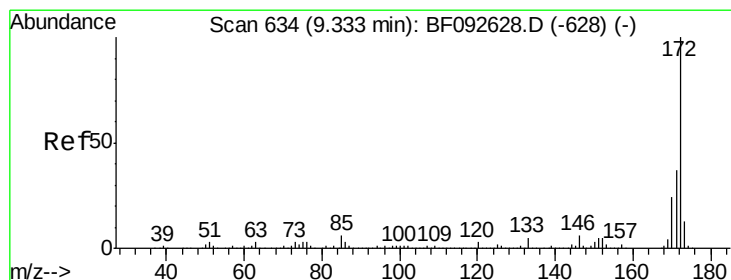
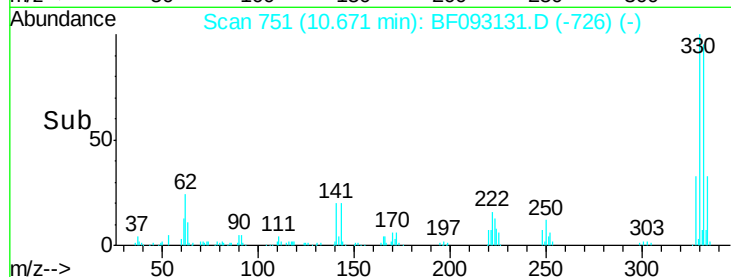
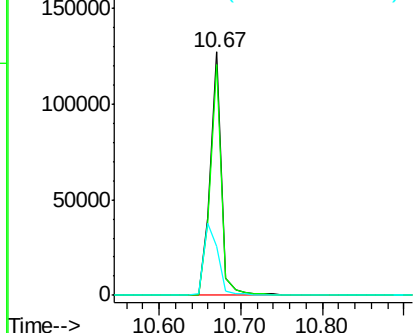
#41
 2,4,6-Tribromophenol
 Concen: 76.25 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97121BL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.4	116.2
141	37.4	34.1	51.1

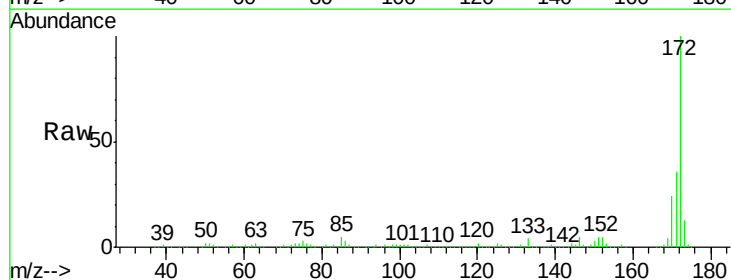


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

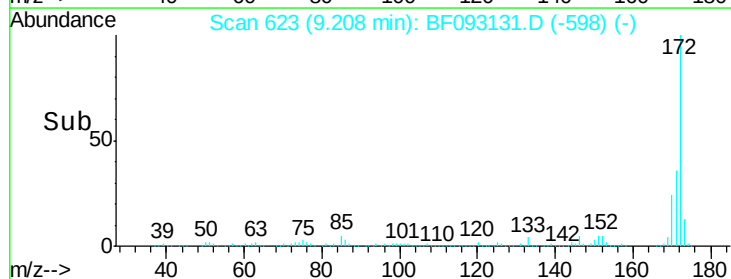
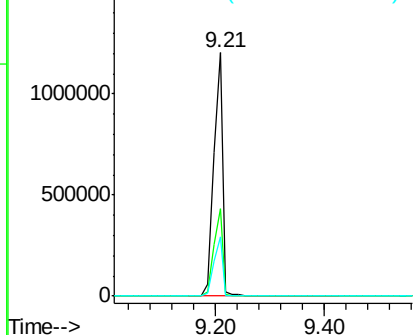


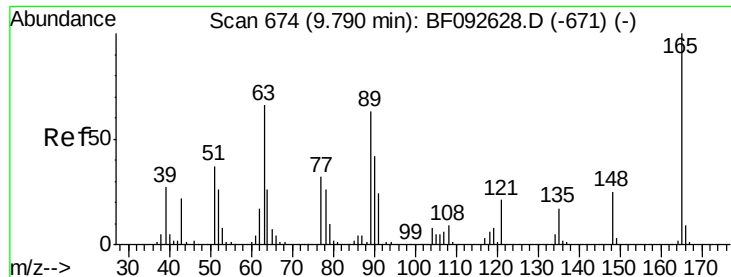
#44
 2-Fluorobiphenyl
 Concen: 110.08 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.4	20.2	30.4



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

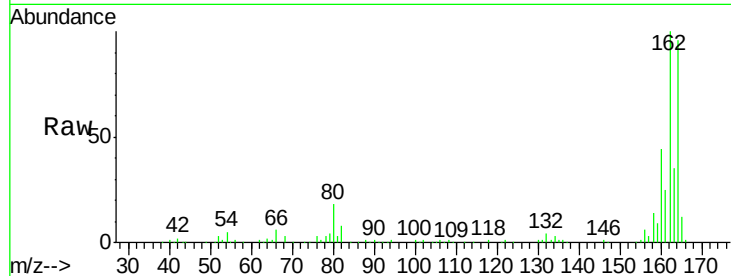




#50
 2,6-Dinitrotoluene
 Concen: 8.47 ng
 RT: 9.88 min Scan# 682
 Delta R.T. 0.19 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97121BL

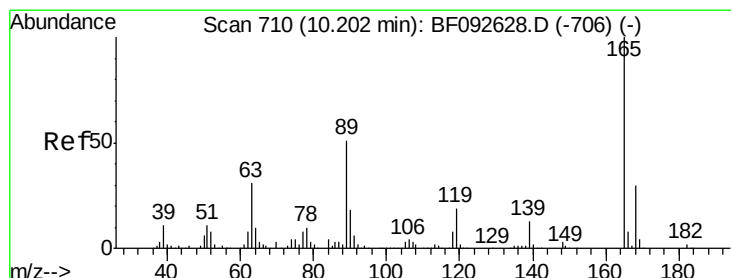
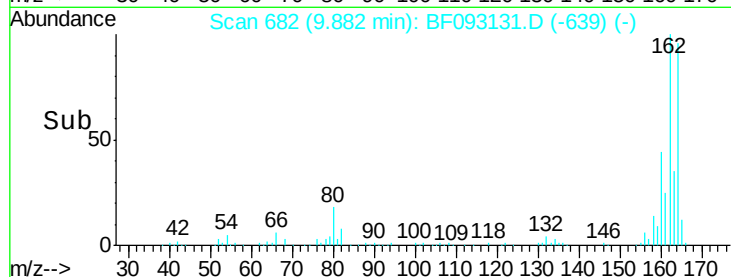
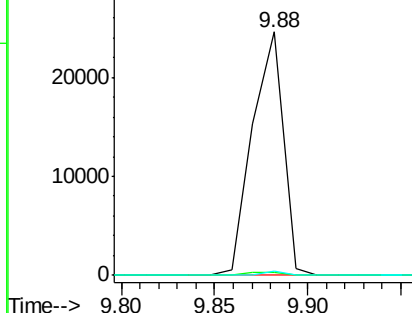
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.2	54.4#
89	2.0	40.2	60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

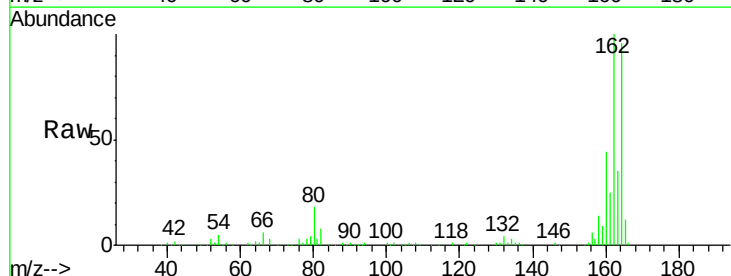
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 6.36 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.2	60.4#
89	2.0	62.5	93.7#
182	0.0	1.8	2.8#

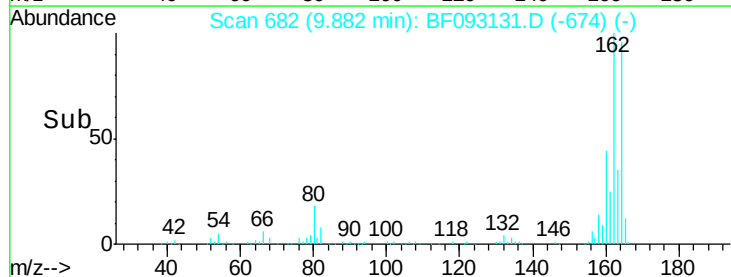
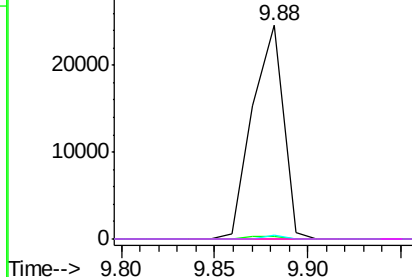


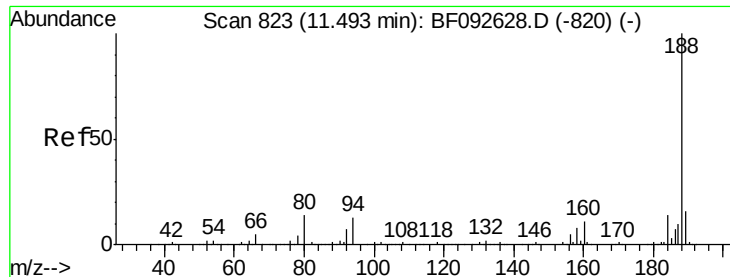
Abundance Ion 165.00 (164.70 to 165.70): E

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

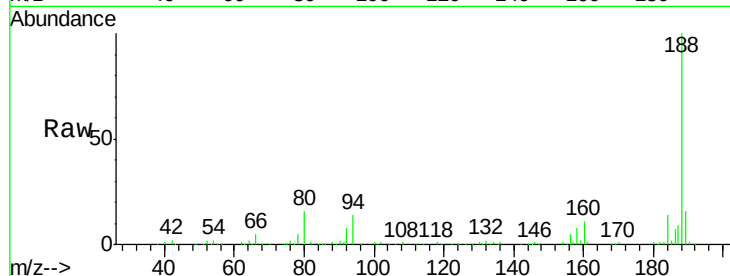




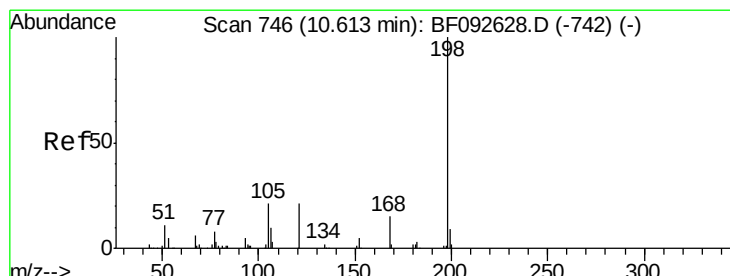
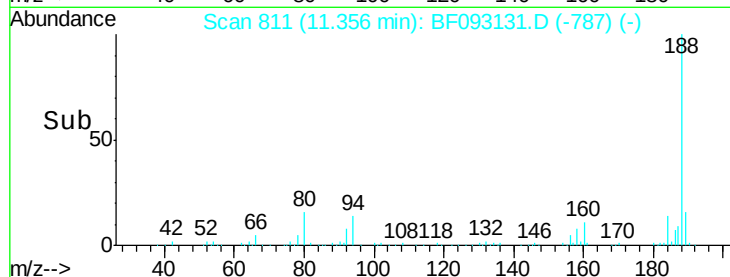
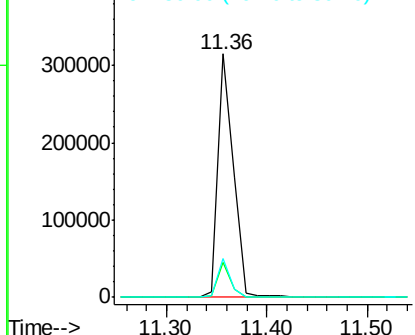
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97121BL

Tgt Ion:188 Resp: 336286
 Ion Ratio Lower Upper
 188 100
 94 14.4 10.0 15.0
 80 15.8 11.2 16.8

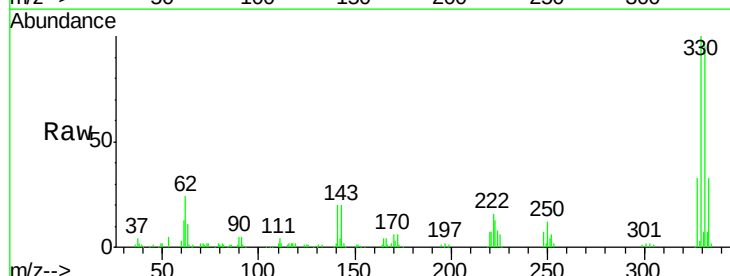


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

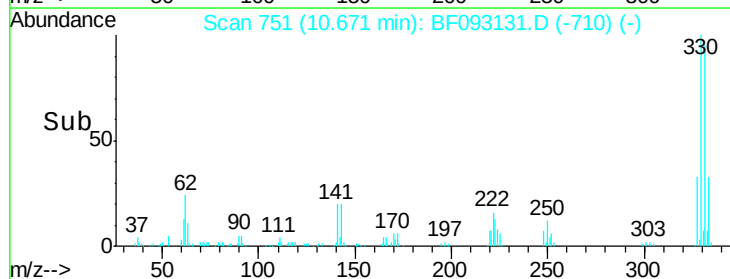
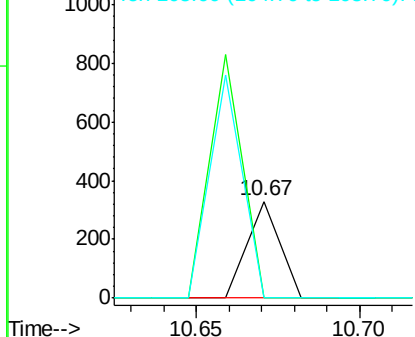


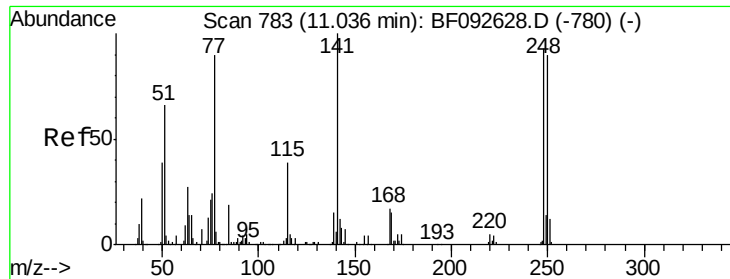
#64
 4,6-Dinitro-2-methylphenol
 Concen: 2.77 ng
 RT: 10.67 min Scan# 751
 Delta R.T. 0.17 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Tgt Ion:198 Resp: 226
 Ion Ratio Lower Upper
 198 100
 51 0.0 6.7 46.7#
 105 0.0 16.6 56.6#



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

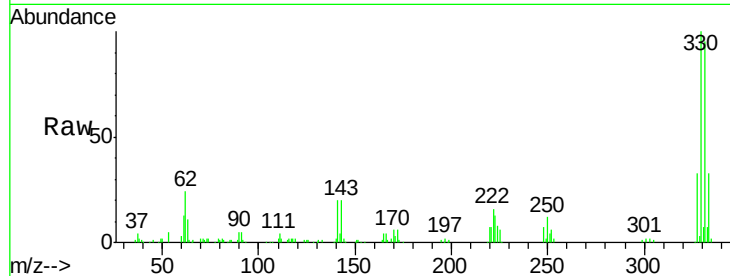




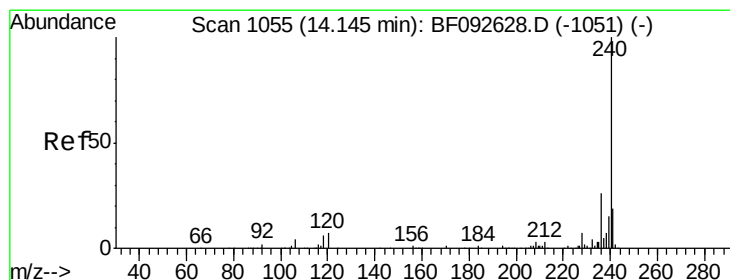
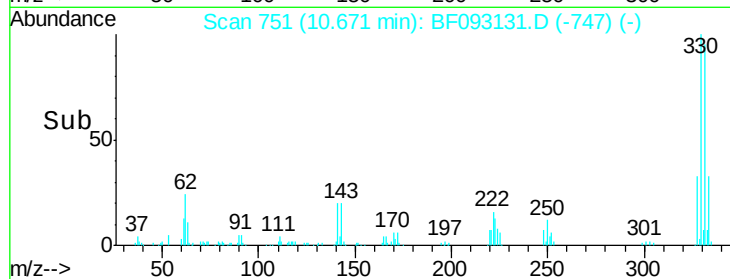
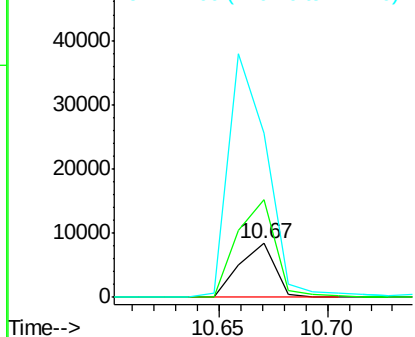
#66
 4-Bromophenyl-phenylether
 Concen: 2.69 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.25 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PB97121BL

Tgt Ion:248 Resp: 9464
 Ion Ratio Lower Upper
 248 100
 250 181.9 76.9 115.3#
 141 306.7 68.2 102.4#

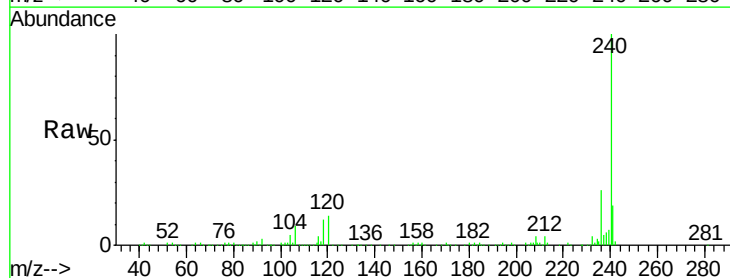


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

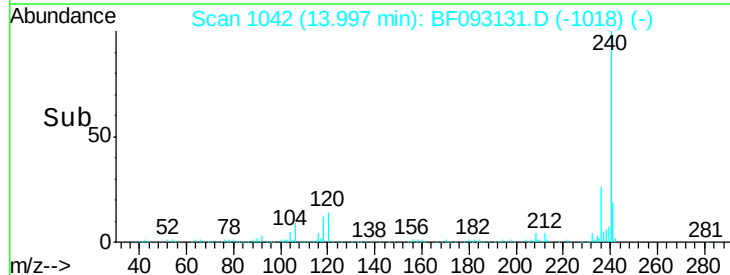
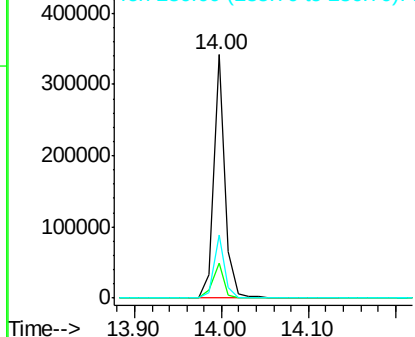


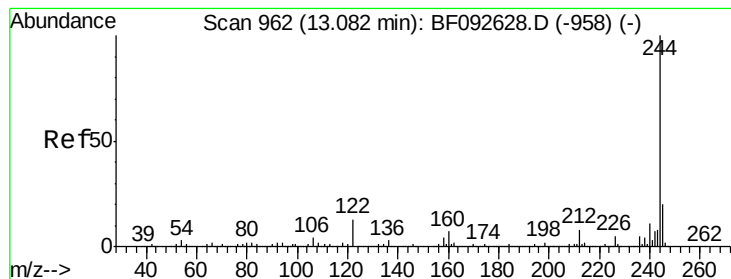
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.02 min
 Lab File: BF093131.D
 Acq: 24 Feb 2017 5:35

Tgt Ion:240 Resp: 310886
 Ion Ratio Lower Upper
 240 100
 120 14.3 12.9 19.3
 236 26.0 20.9 31.3



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: 62.59 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093131.D

Acq: 24 Feb 2017 5:35

Instrument :

BNA_F

ClientSampleId :

PB97121BL

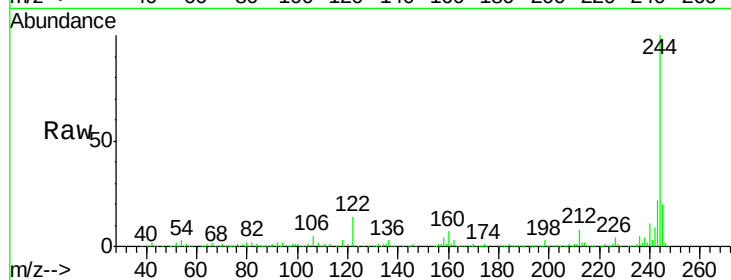
Tgt Ion:244 Resp: 828162

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

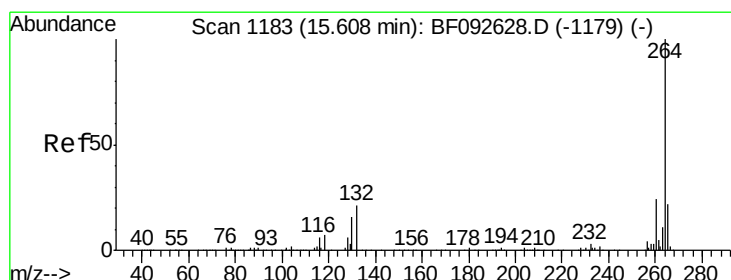
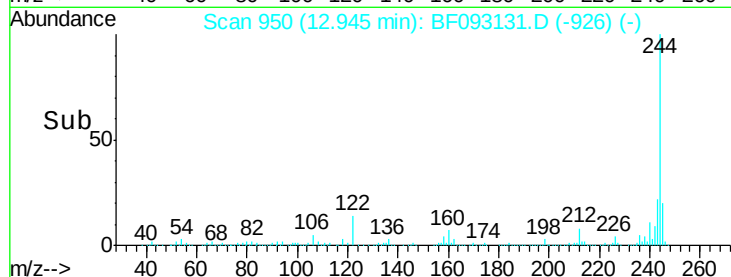
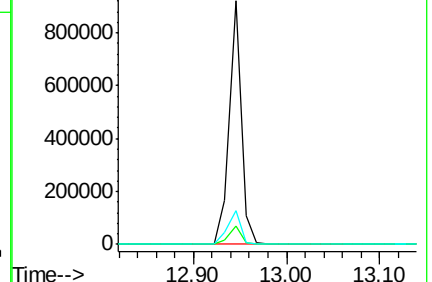
122 13.9 11.4 17.2



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: 15.43 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BF093131.D

Acq: 24 Feb 2017 5:35

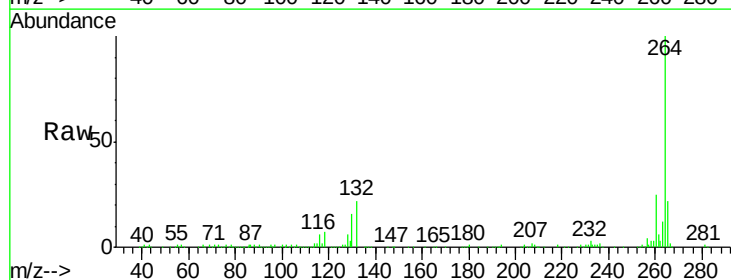
Tgt Ion:264 Resp: 249099

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 21.8 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

