

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093431.D
 Acq On : 8 Mar 2017 16:34
 Operator : SJ/MA
 Sample : PB97430BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB97430BL

Quant Time: Mar 08 17:00:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

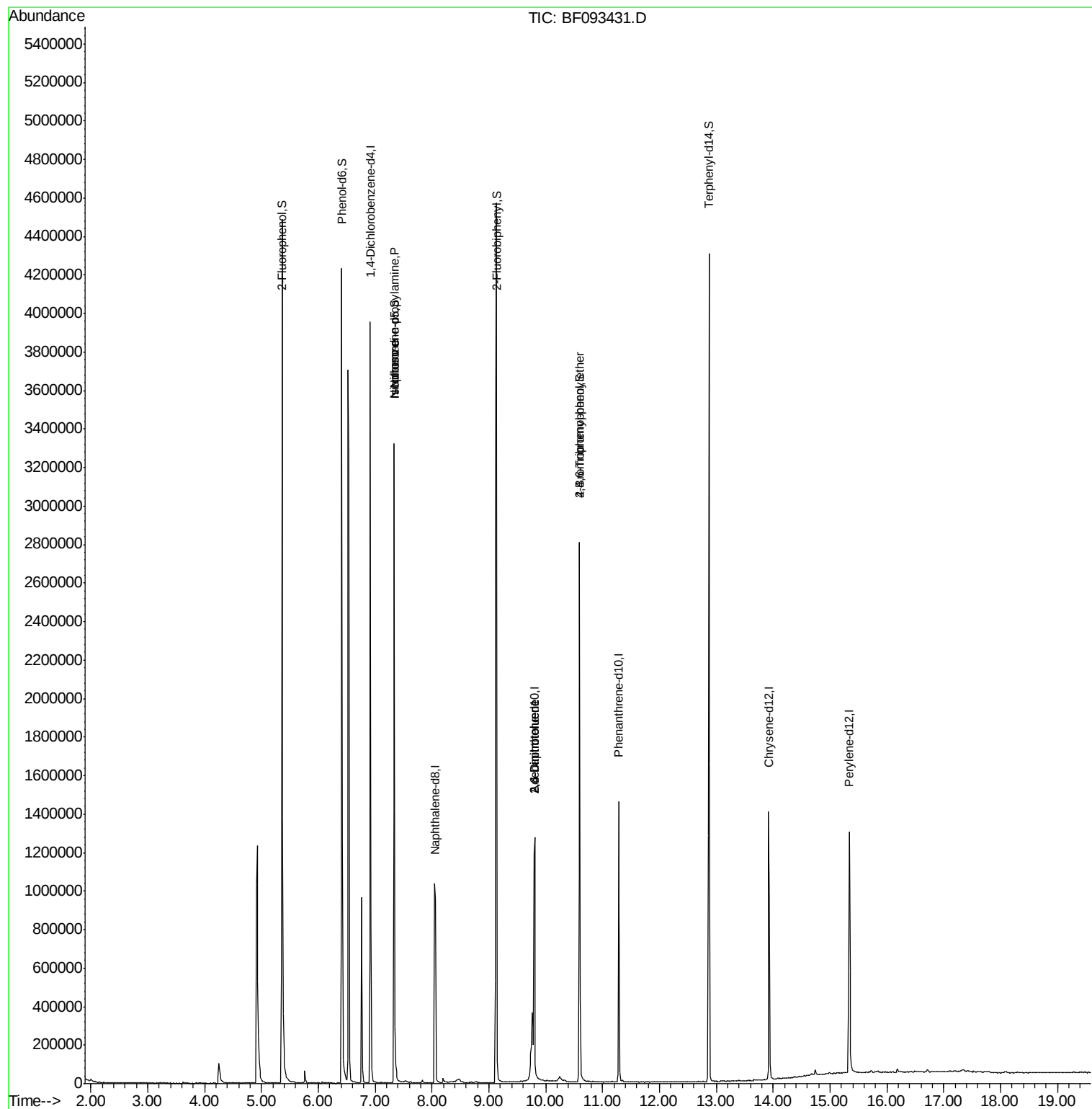
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	615695	20.00	ng	0.15
21) Naphthalene-d8	8.06	136	715909	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	359585	20.00	ng	0.00
63) Phenanthrene-d10	11.28	188	678437	20.00	ng	0.00
75) Chrysene-d12	13.92	240	634411	20.00	ng	0.00
86) Perylene-d12	15.34	264	562725	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1377862	37.25	ng	0.01
7) Phenol-d6	6.41	99	1703085	36.51	ng	0.00
23) Nitrobenzene-d5	7.34	82	1227808	95.16	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	336553	143.66	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1885109	97.51	ng	0.00
78) Terphenyl-d14	12.87	244	1651461	67.68	ng	0.00
Target Compounds						
9) Benzaldehyde	6.41	77	2420	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.34	70	166160	5.18 ng	#	81
25) Isophorone	7.34	82	891226	34.25 ng	#	65
50) 2,6-Dinitrotoluene	9.81	165	45677	8.73 ng	#	32
56) 2,4-Dinitrotoluene	9.81	165	45670	7.11 ng	#	21
66) 4-Bromophenyl-phenylether	10.60	248	25729	3.59 ng	#	1

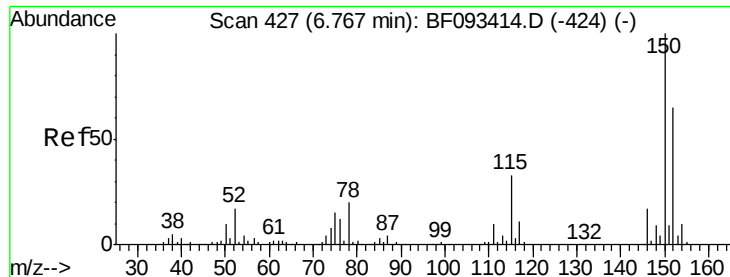
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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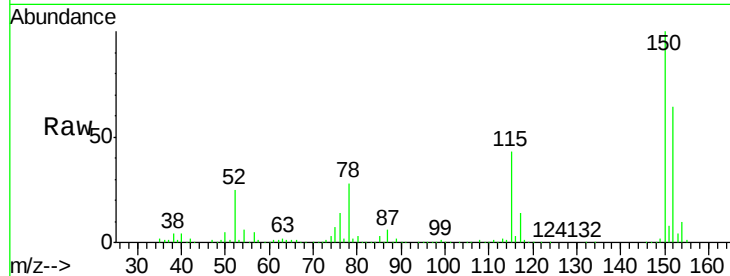


#1

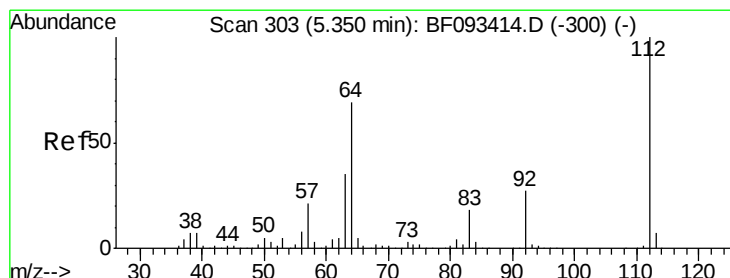
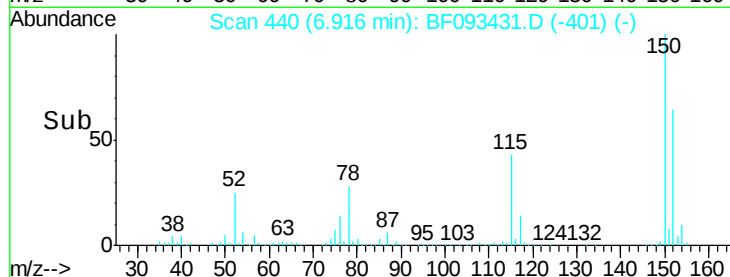
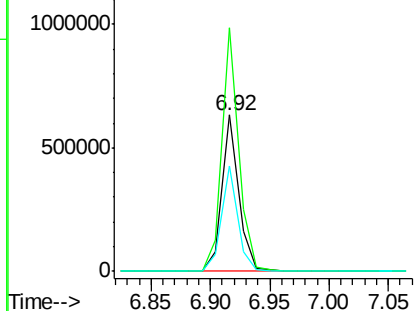
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 440
Delta R.T. 0.15 min
Lab File: BF093431.D
Acq: 8 Mar 2017 16:34

Instrument :
BNA_F
ClientSampleId :
PB97430BL

Tot Ion:152 Resp: 615695
Ion Ratio Lower Upper
152 100
150 156.0 124.9 187.3
115 67.4 46.0 69.0



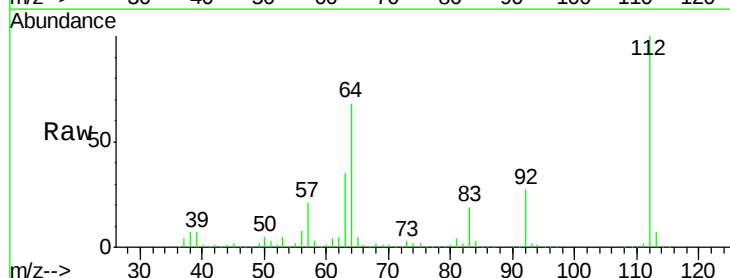
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



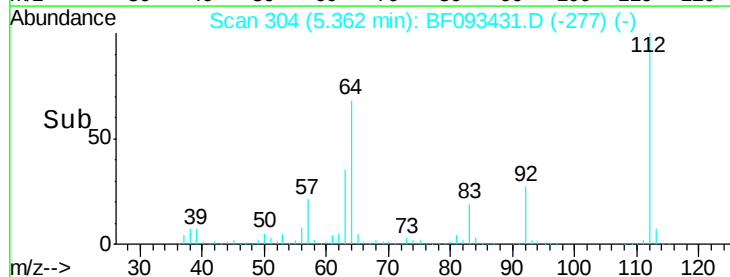
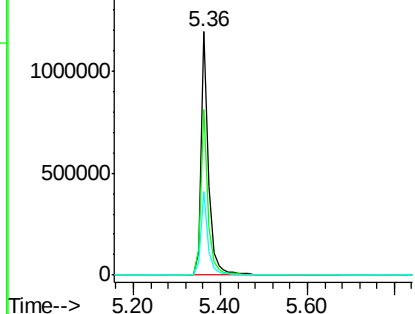
#5

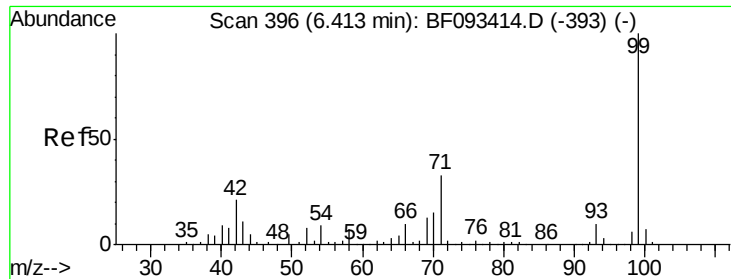
2-Fluorophenol
Concen: 37.25 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093431.D
Acq: 8 Mar 2017 16:34

Tgt Ion:112 Resp: 1377862
Ion Ratio Lower Upper
112 100
64 68.0 46.1 69.1
63 34.5 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: 36.51 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.00 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

Instrument :

BNA_F

ClientSampleId :

PB97430BL

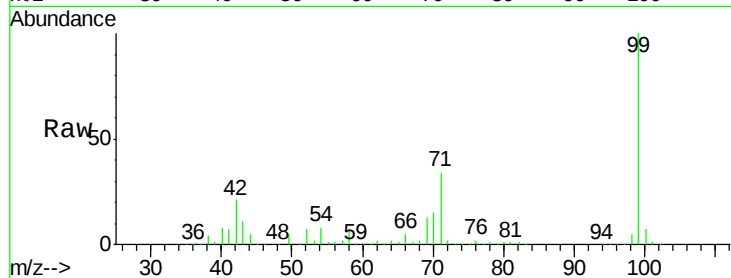
Tot Ion: 99 Resp: 1703085

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

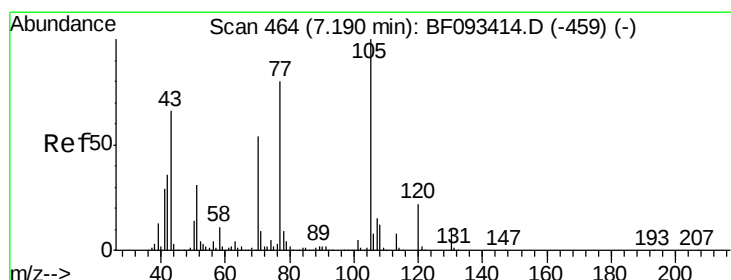
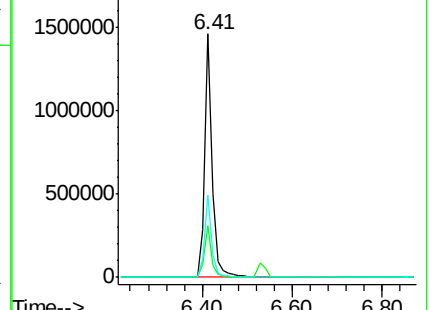
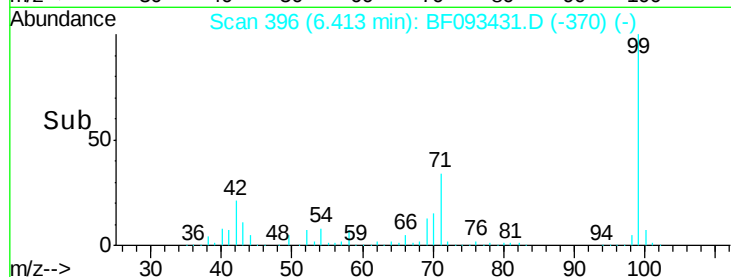
71 33.7 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.18 ng

RT: 7.34 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

Tgt Ion: 70 Resp: 166160

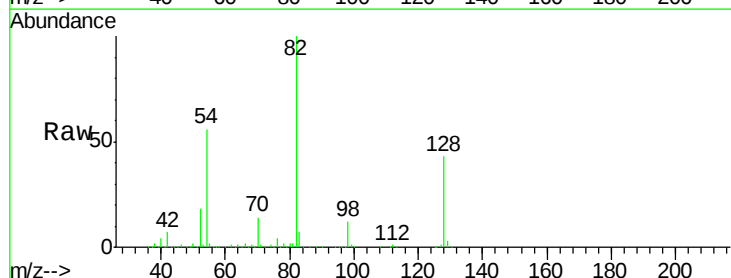
Ion Ratio Lower Upper

70 100

42 52.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

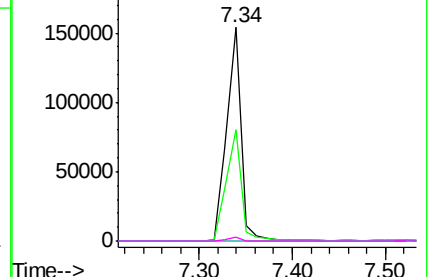
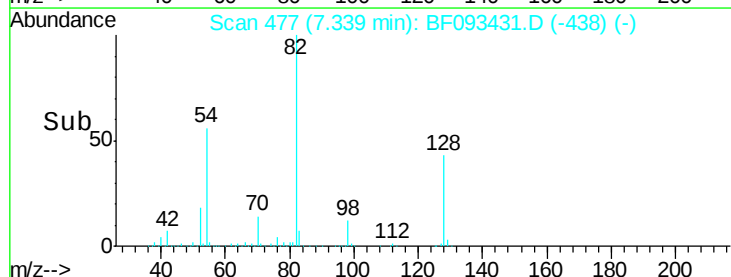


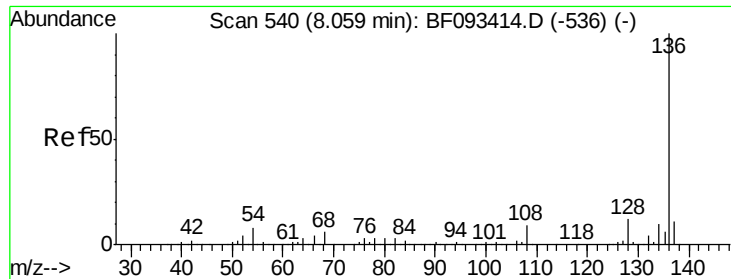
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

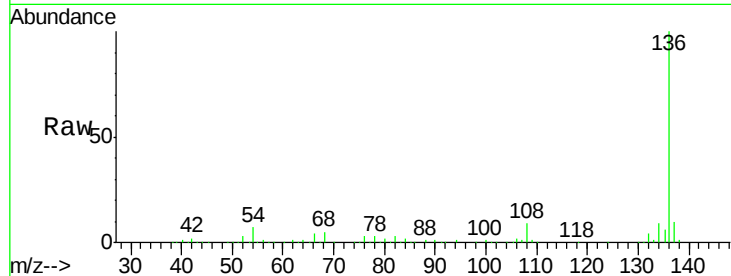




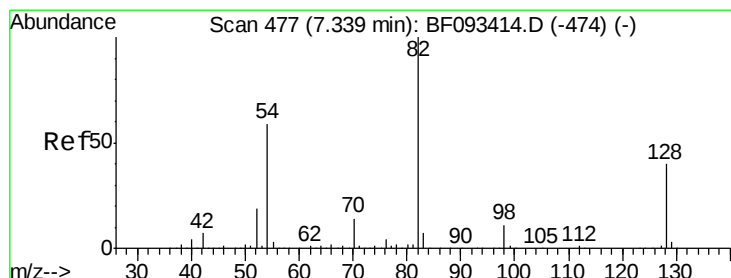
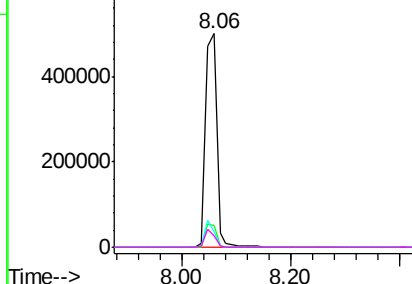
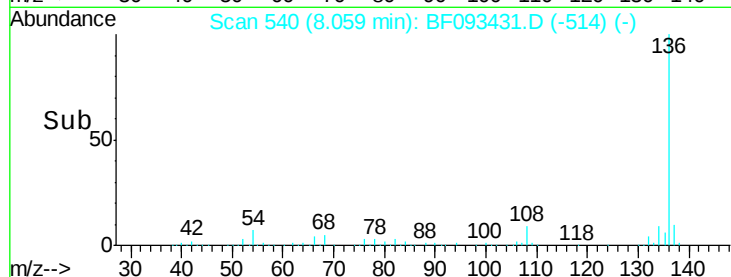
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.06 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF093431.D
Acq: 8 Mar 2017 16:34

Instrument :
BNA_F
ClientSampleId :
PB97430BL

Tot Ion:136 Resp: 715909
Ion Ratio Lower Upper
136 100
137 10.4 8.4 12.6
54 7.2 4.5 6.7#
68 5.3 3.6 5.4

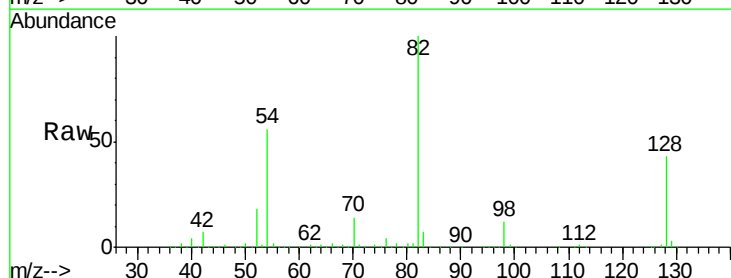


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

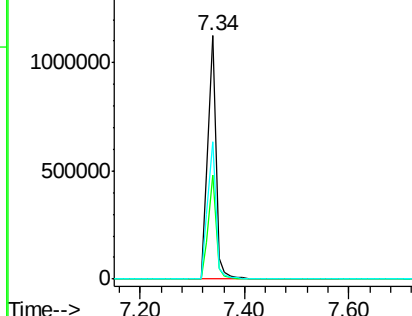
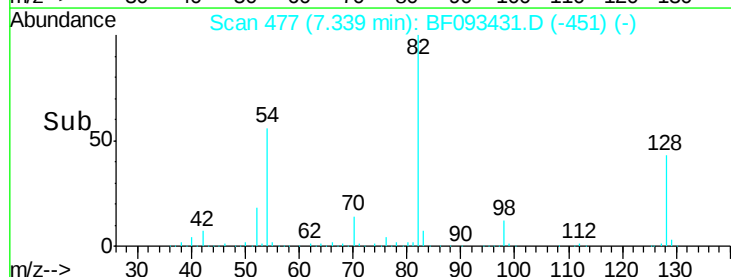


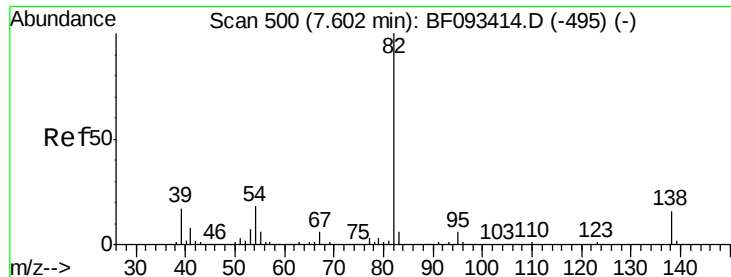
#23
Nitrobenzene-d5
Concen: 95.16 ng
RT: 7.34 min Scan# 477
Delta R.T. 0.00 min
Lab File: BF093431.D
Acq: 8 Mar 2017 16:34

Tgt Ion: 82 Resp: 1227808
Ion Ratio Lower Upper
82 100
128 42.7 34.6 52.0
54 56.4 39.5 59.3



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: 34.25 ng

RT: 7.34 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

Instrument :

BNA_F

ClientSampleId :

PB97430BL

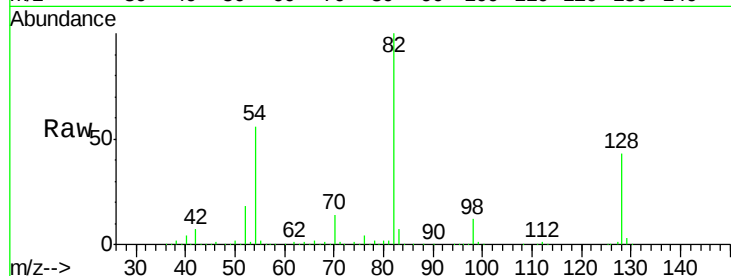
Tot Ion: 82 Resp: 891226

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

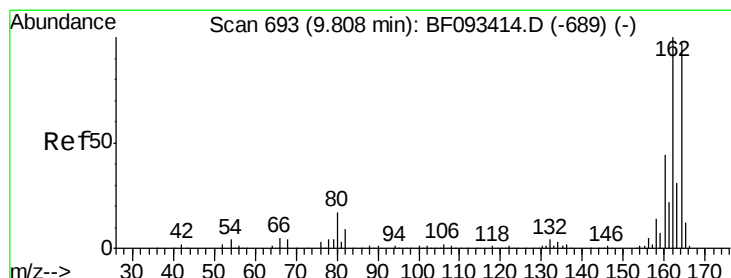
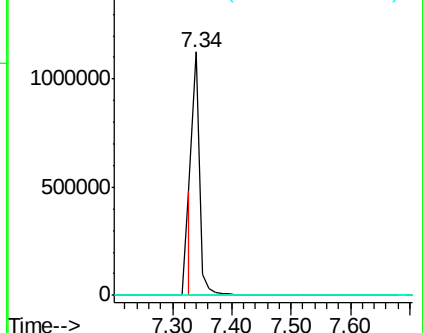
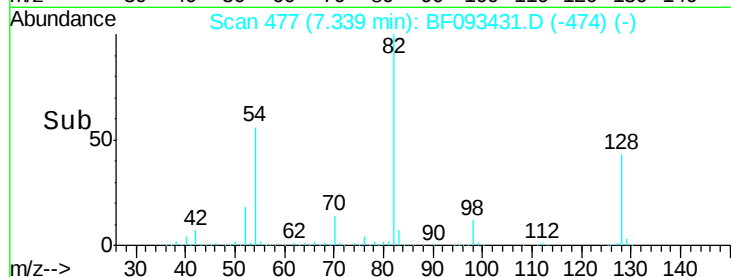
138 0.0 14.6 22.0#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 693

Delta R.T. 0.00 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

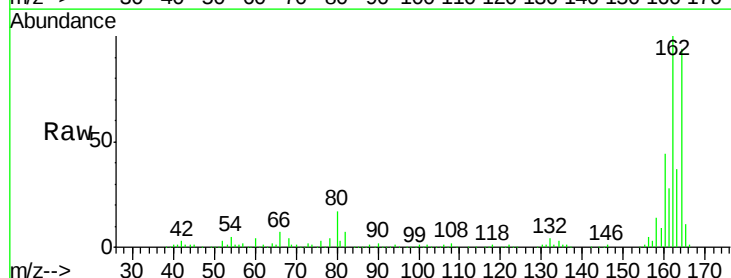
Tgt Ion: 164 Resp: 359585

Ion Ratio Lower Upper

164 100

162 106.1 80.2 120.2

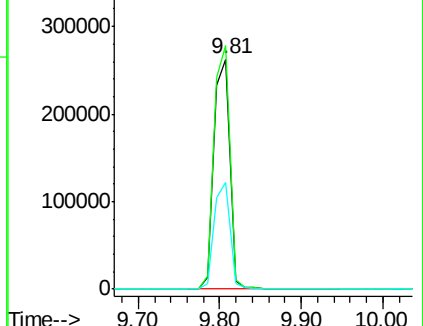
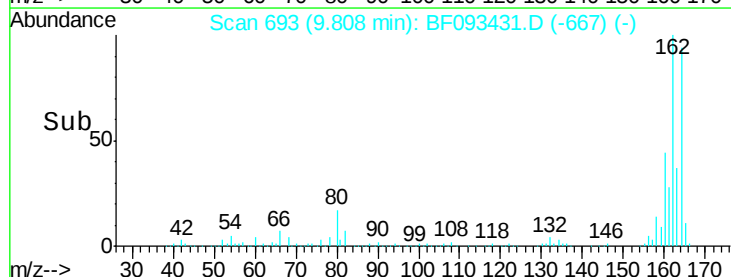
160 46.6 36.9 55.3

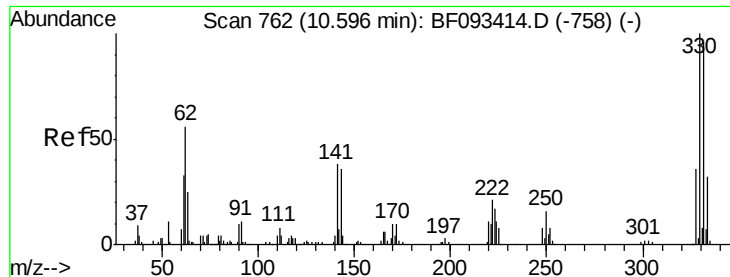


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

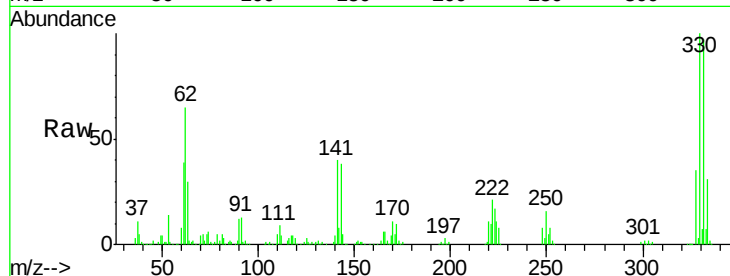




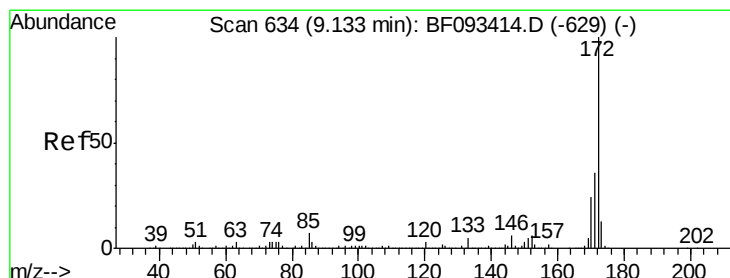
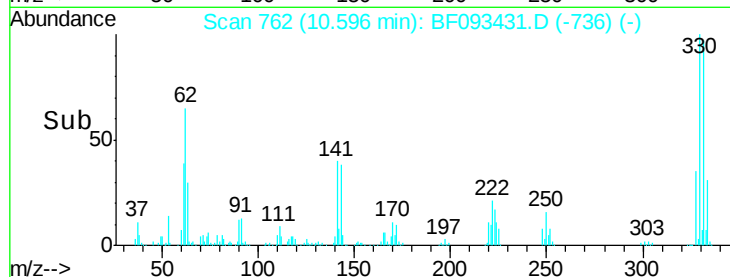
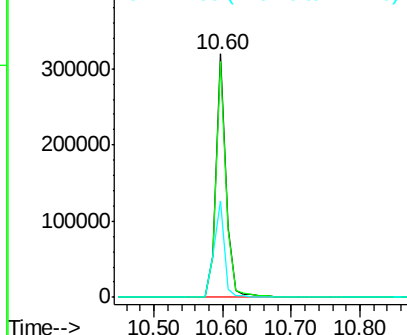
#41
 2,4,6-Tribromophenol
 Concen: 143.66 ng
 RT: 10.60 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF093431.D
 Acq: 8 Mar 2017 16:34

Instrument :
 BNA_F
 ClientSampleId :
 PB97430BL

Tot Ion:330 Resp: 336553
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 41.4 34.1 51.1

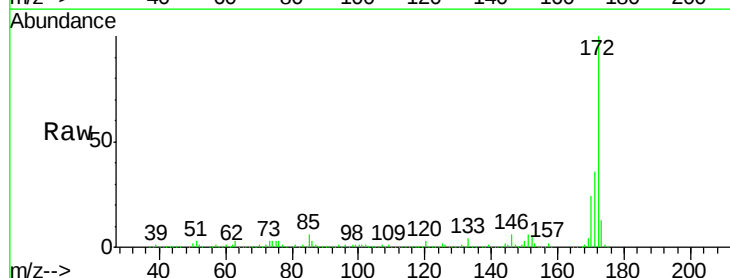


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

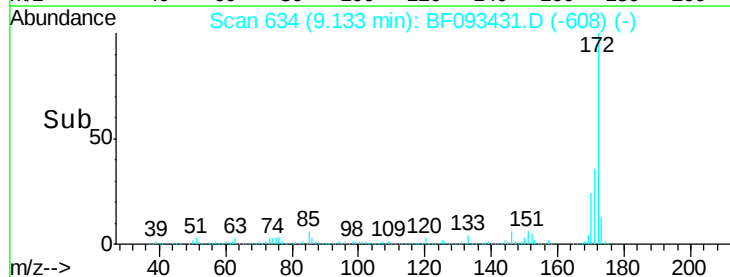
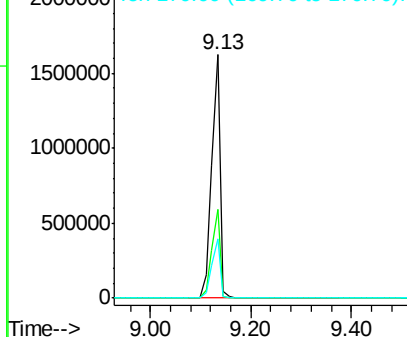


#44
 2-Fluorobiphenyl
 Concen: 97.51 ng
 RT: 9.13 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: BF093431.D
 Acq: 8 Mar 2017 16:34

Tgt Ion:172 Resp: 1885109
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.3 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: 8.73 ng

RT: 9.81 min Scan# 693

Delta R.T. 0.21 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

Instrument :

BNA_F

ClientSampleId :

PB97430BL

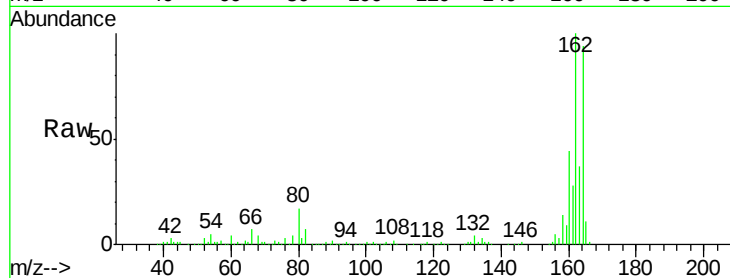
Tot Ion:165 Resp: 45677

Ion Ratio Lower Upper

165 100

63 1.7 36.2 54.4#

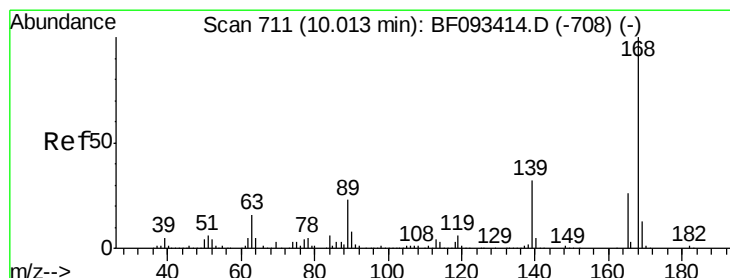
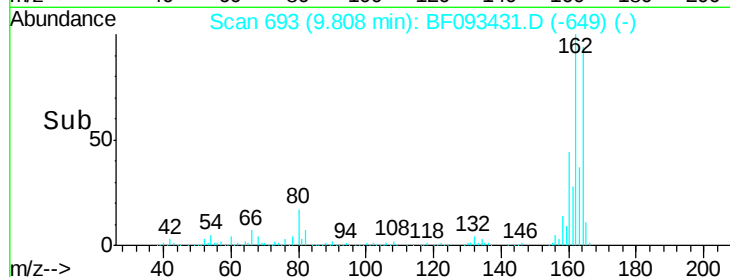
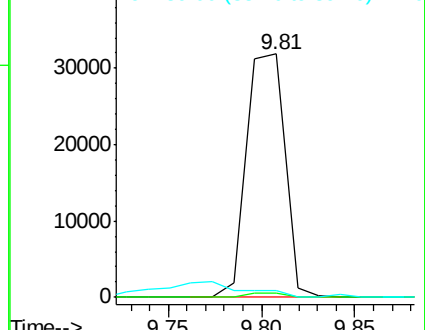
89 2.7 40.2 60.4#



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: 7.11 ng

RT: 9.81 min Scan# 693

Delta R.T. -0.21 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

Tgt Ion:165 Resp: 45670

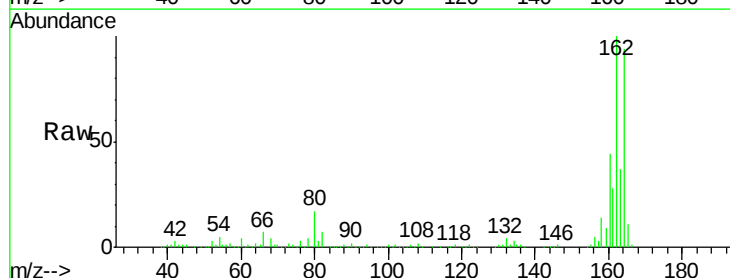
Ion Ratio Lower Upper

165 100

63 1.7 40.2 60.4#

89 2.7 62.5 93.7#

182 0.0 1.8 2.8#

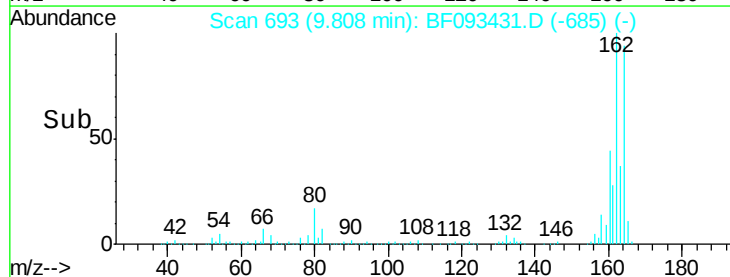
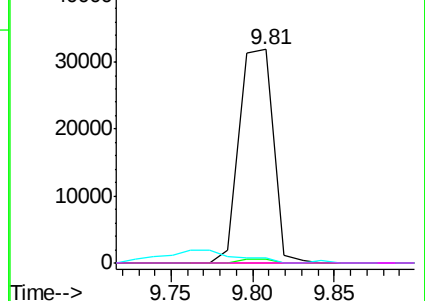


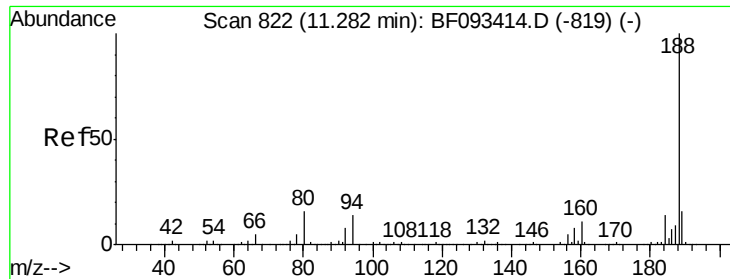
Abundance Ion 165.00 (164.70 to 165.70): E

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

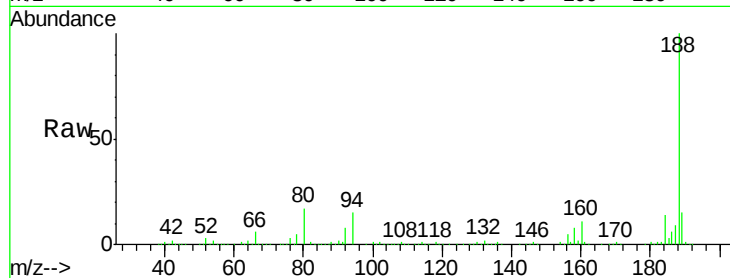




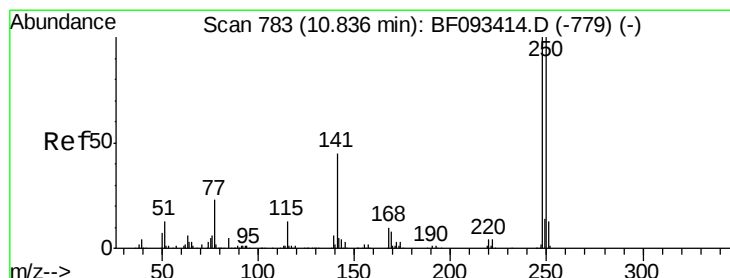
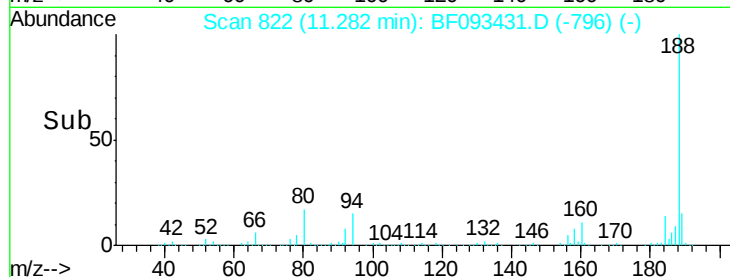
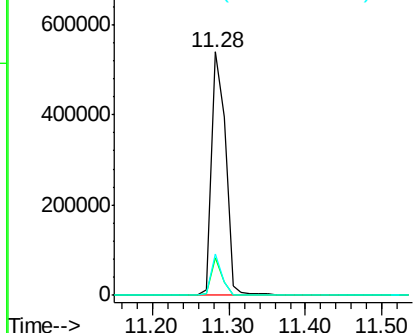
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 822
Delta R.T. 0.00 min
Lab File: BF093431.D
Acq: 8 Mar 2017 16:34

Instrument :
BNA_F
ClientSampleId :
PB97430BL

Tot Ion:188 Resp: 678437
Ion Ratio Lower Upper
188 100
94 15.2 10.0 15.0#
80 17.1 11.2 16.8#

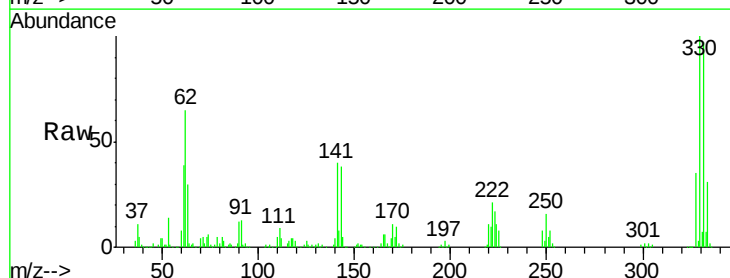


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

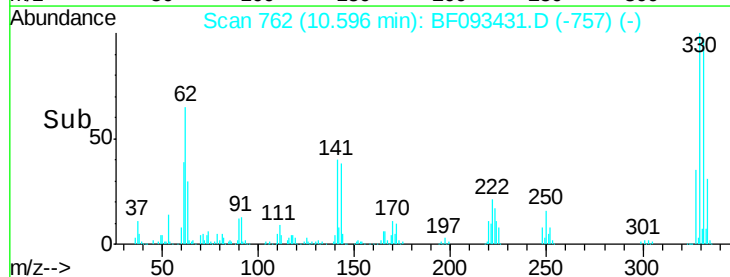
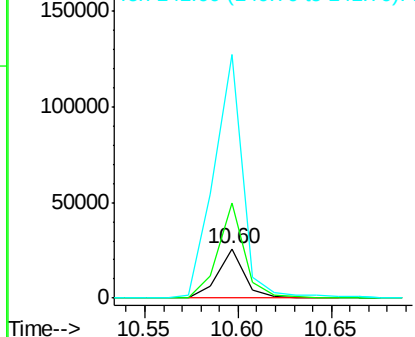


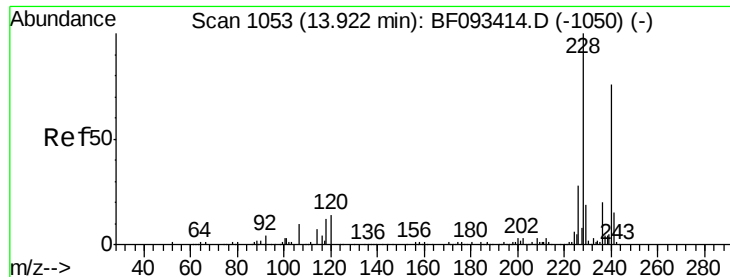
#66
4-Bromophenyl-phenylether
Concen: 3.59 ng
RT: 10.60 min Scan# 762
Delta R.T. -0.24 min
Lab File: BF093431.D
Acq: 8 Mar 2017 16:34

Tgt Ion:248 Resp: 25729
Ion Ratio Lower Upper
248 100
250 192.8 76.9 115.3#
141 491.6 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: 13.92 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

Instrument :

BNA_F

ClientSampleId :

PB97430BL

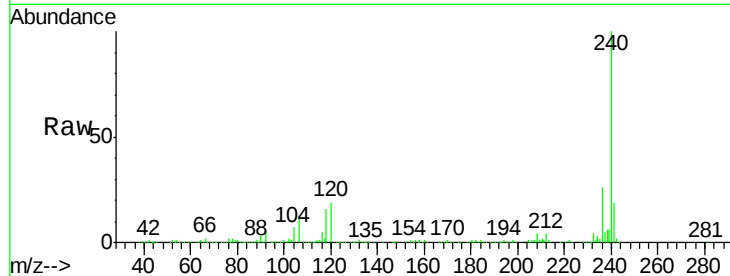
Tot Ion:240 Resp: 634411

Ion Ratio Lower Upper

240 100

120 18.7 12.9 19.3

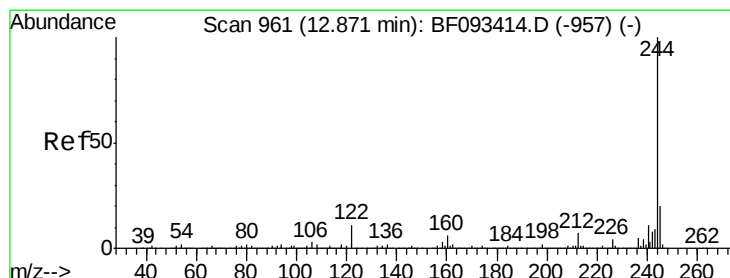
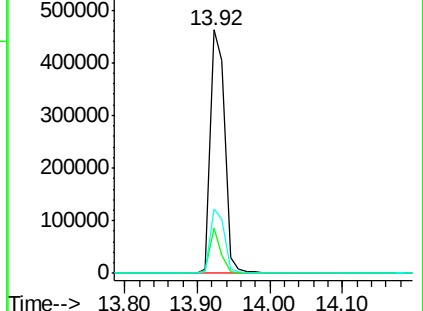
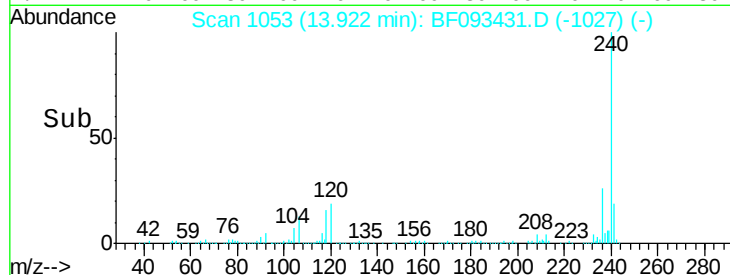
236 26.4 20.9 31.3



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: 67.68 ng

RT: 12.87 min Scan# 961

Delta R.T. 0.00 min

Lab File: BF093431.D

Acq: 8 Mar 2017 16:34

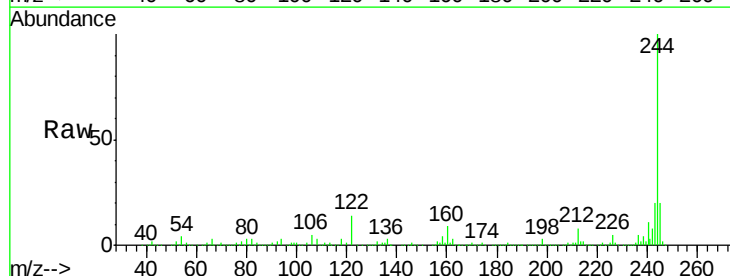
Tgt Ion:244 Resp: 1651461

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

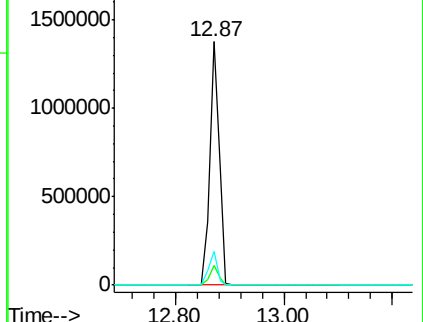
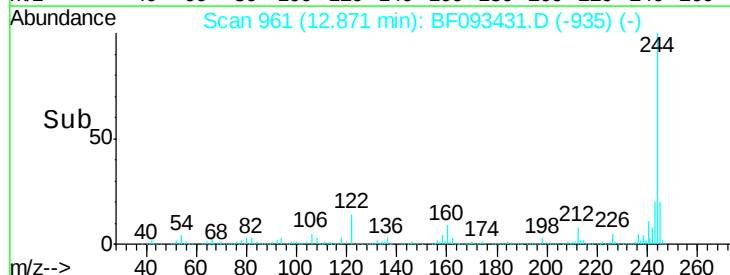
122 14.0 11.4 17.2

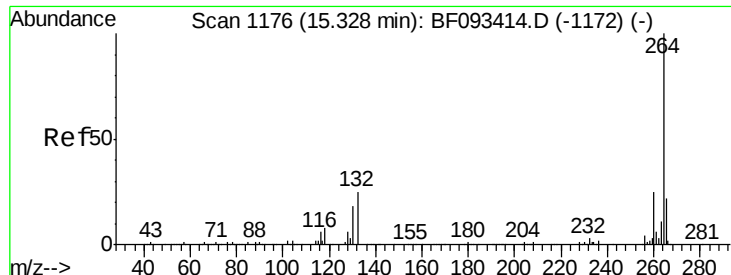


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

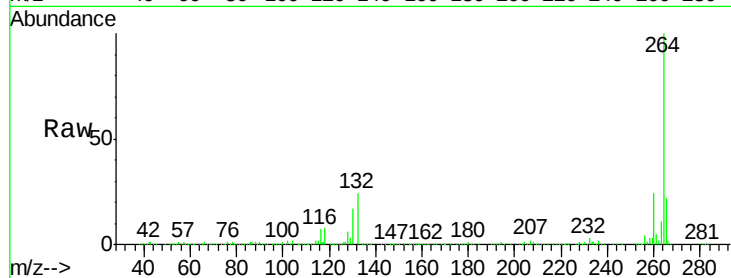




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 1177
Delta R.T. 0.01 min
Lab File: BF093431.D
Acq: 8 Mar 2017 16:34

Instrument :
BNA_F
ClientSampleId :
PB97430BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.1	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

