

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031017\
 Data File : BF093532.D
 Acq On : 10 Mar 2017 19:56
 Operator : SJ/MA
 Sample : I2172-24
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 D-47

Quant Time: Mar 10 22:17:53 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

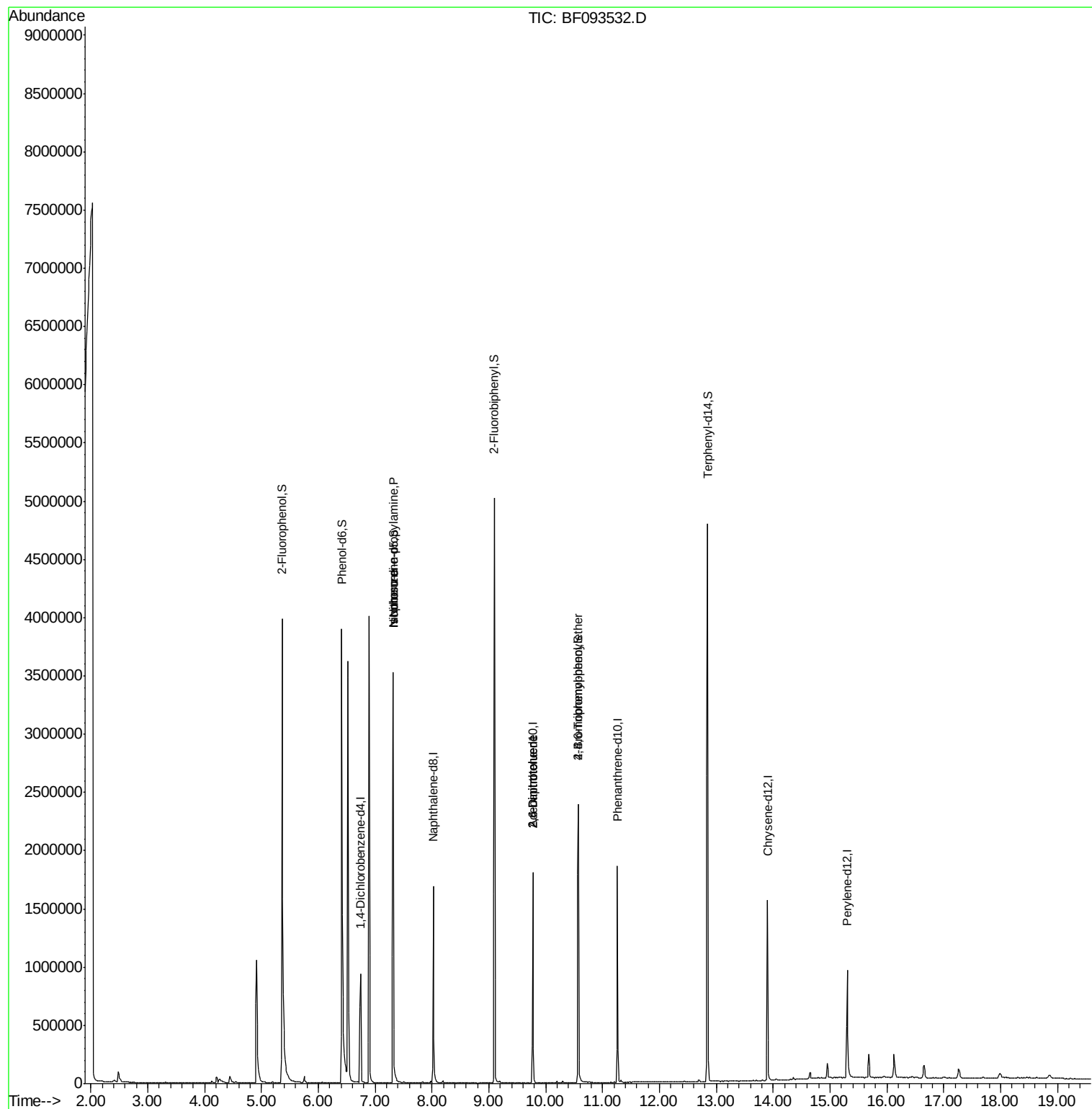
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	187630	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	761612	20.00	ng	-0.03
38) Acenaphthene-d10	9.77	164	353542	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	658112	20.00	ng	-0.02
75) Chrysene-d12	13.90	240	555223	20.00	ng	-0.02
86) Perylene-d12	15.31	264	381240	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1524845	135.26	ng	0.01
7) Phenol-d6	6.41	99	1901362	133.74	ng	0.00
23) Nitrobenzene-d5	7.32	82	1276281	92.98	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	365984	158.89	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1747231	91.92	ng	-0.03
78) Terphenyl-d14	12.85	244	1697857	79.51	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.41	77	2412	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.32	70	172036	17.60	ng	# 81
25) Isophorone	7.32	82	1276262	46.11	ng	# 65
50) 2,6-Dinitrotoluene	9.77	165	46740	9.09	ng	# 31
56) 2,4-Dinitrotoluene	9.77	165	46743	7.40	ng	# 20
66) 4-Bromophenyl-phenylether	10.57	248	27704	3.98	ng	# 1

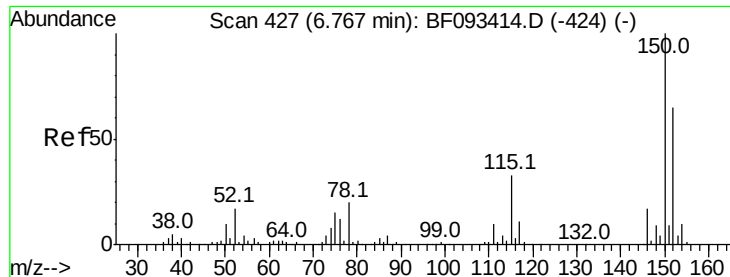
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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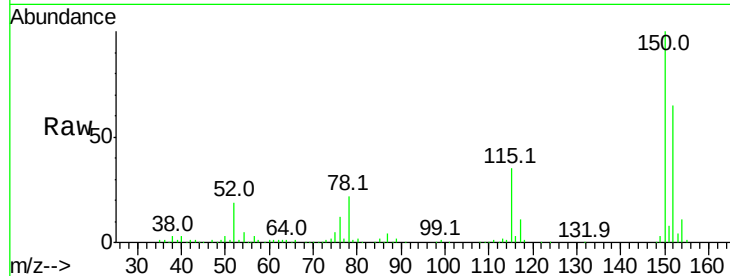


#1

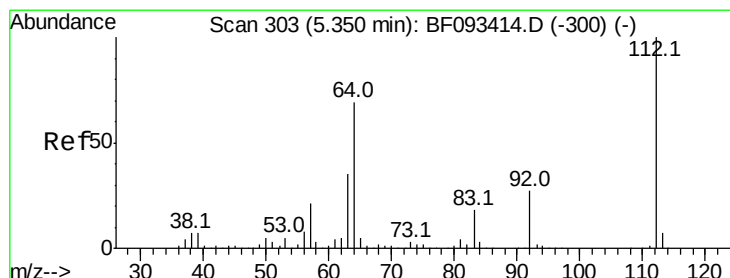
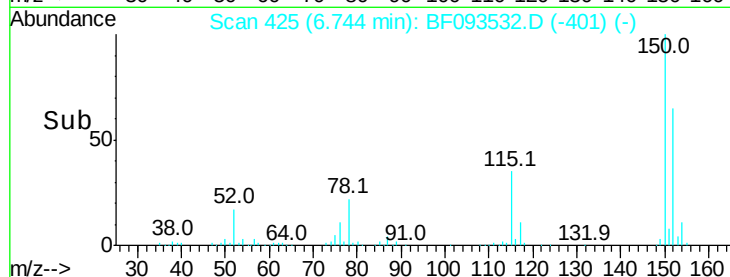
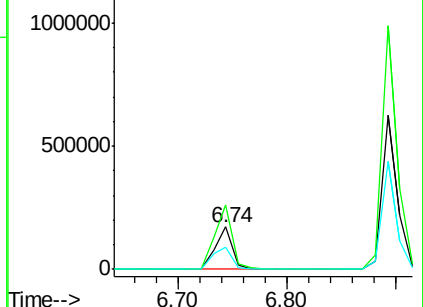
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 425
Delta R.T. -0.02 min
Lab File: BF093532.D
Acq: 10 Mar 2017 19:56

Instrument :
BNA_F
ClientSampled :
D-47

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.9	187.3
115	53.9	46.0	69.0



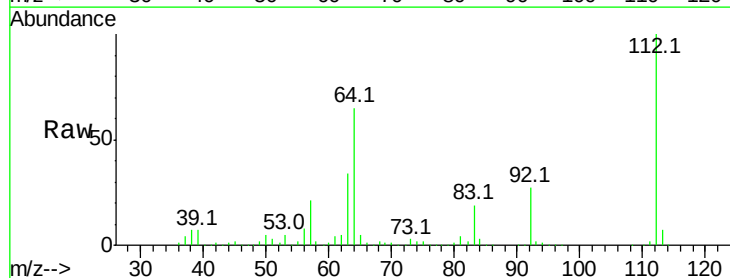
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



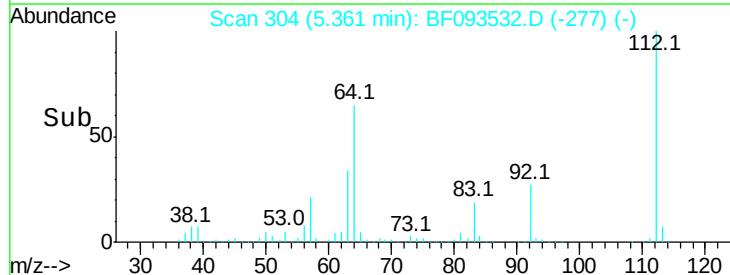
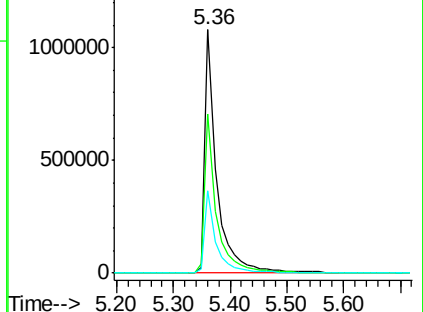
#5

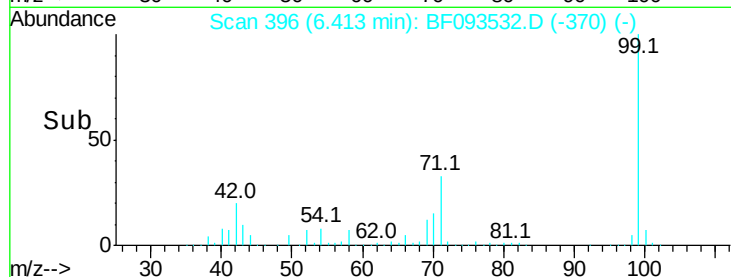
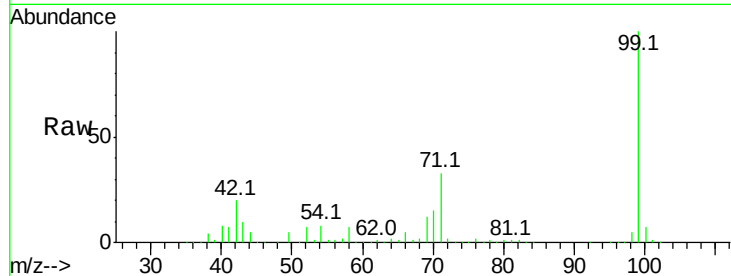
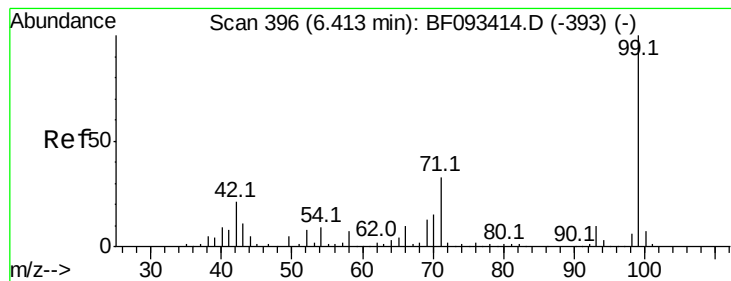
2-Fluorophenol
Concen: 135.26 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093532.D
Acq: 10 Mar 2017 19:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.1	69.1
63	34.0	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: 133.74 ng

RT: 6.41 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

Instrument :

BNA_F

ClientSampleId :

D-47

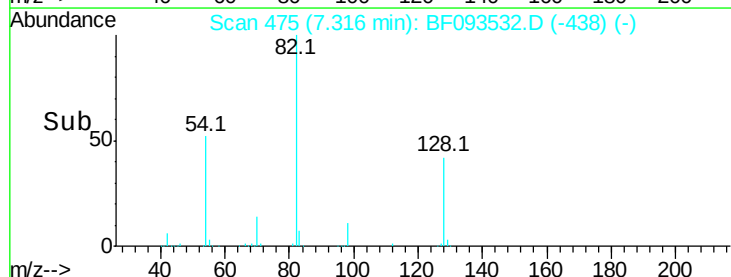
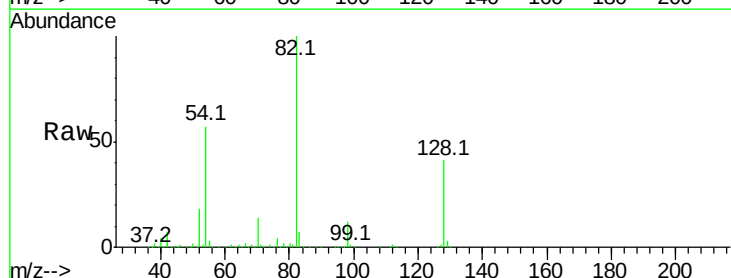
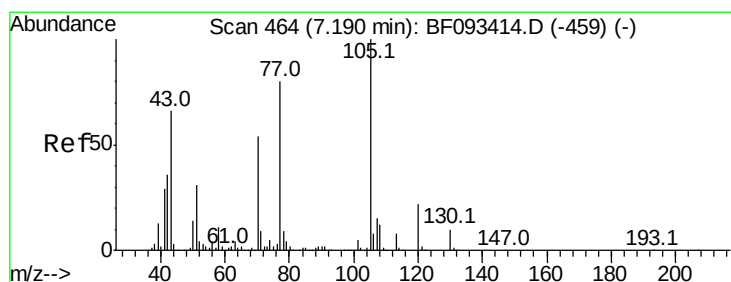
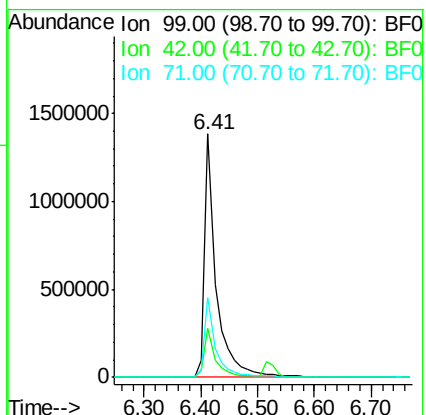
Tot Ion: 99 Resp: 1901362

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

71 32.9 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.60 ng

RT: 7.32 min Scan# 475

Delta R.T. 0.13 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

Tgt Ion: 70 Resp: 172036

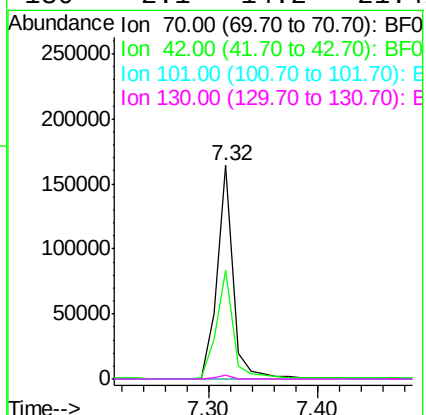
Ion Ratio Lower Upper

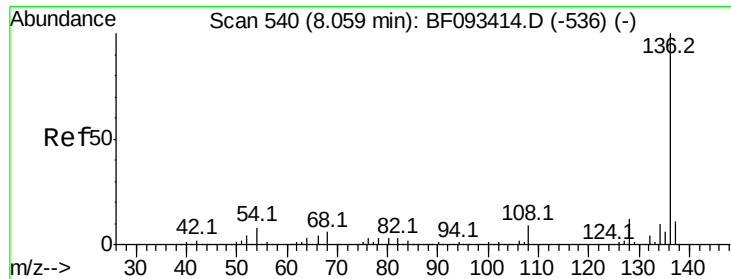
70 100

42 51.2 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

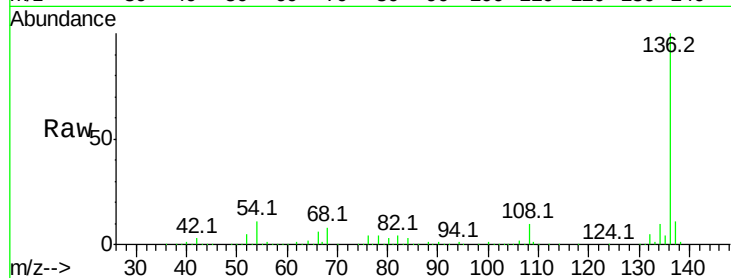




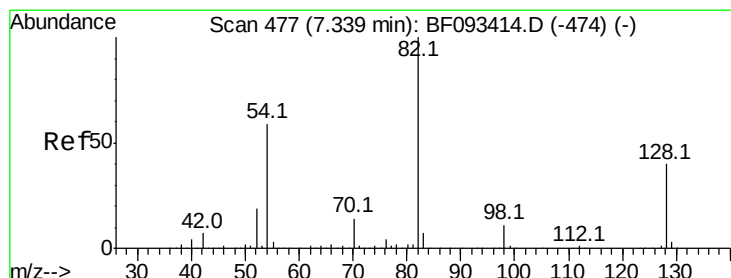
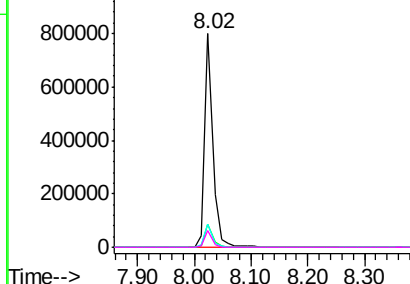
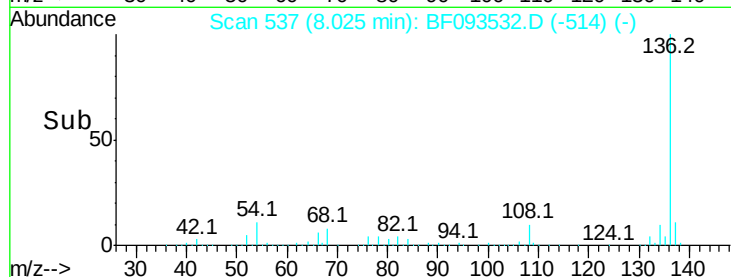
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF093532.D
Acq: 10 Mar 2017 19:56

Instrument :
BNA_F
ClientSampleId :
D-47

Tot Ion:136	Resp:	761612
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.4 12.6
54	10.7	4.5 6.7#
68	7.9	3.6 5.4#

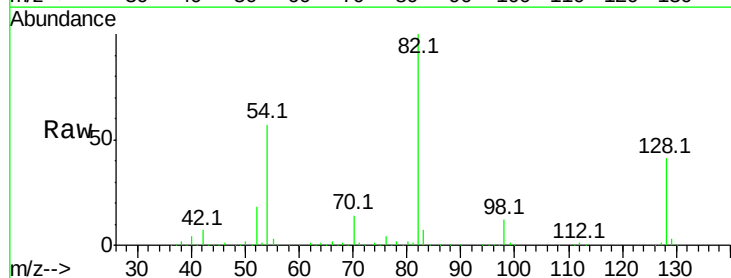


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

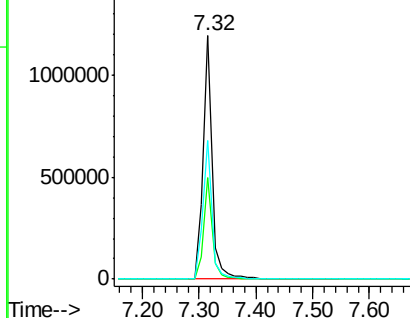
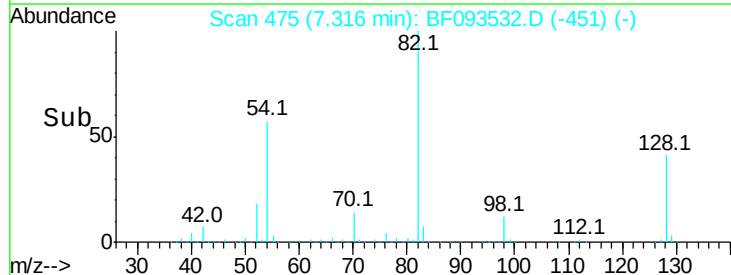


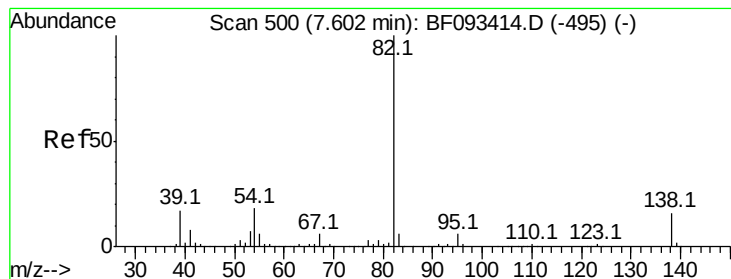
#23
Nitrobenzene-d5
Concen: 92.98 ng
RT: 7.32 min Scan# 475
Delta R.T. -0.02 min
Lab File: BF093532.D
Acq: 10 Mar 2017 19:56

Tgt Ion: 82	Resp:	1276281
Ion	Ratio	Lower Upper
82	100	
128	41.5	34.6 52.0
54	57.0	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: 46.11 ng

RT: 7.32 min Scan# 475

Delta R.T. -0.29 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

Instrument :

BNA_F

ClientSampleId :

D-47

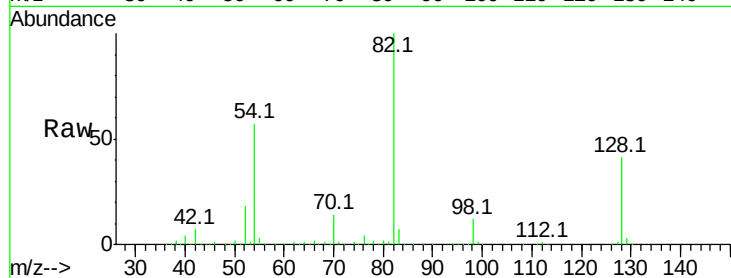
Tot Ion: 82 Resp: 1276262

Ion Ratio Lower Upper

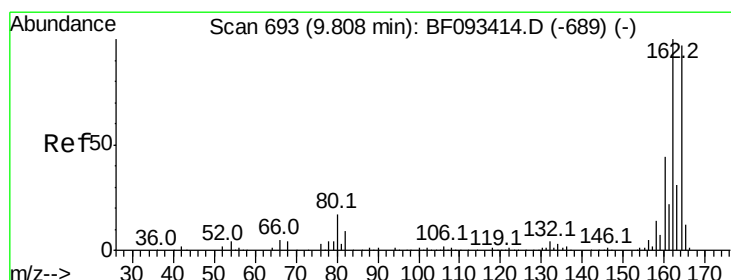
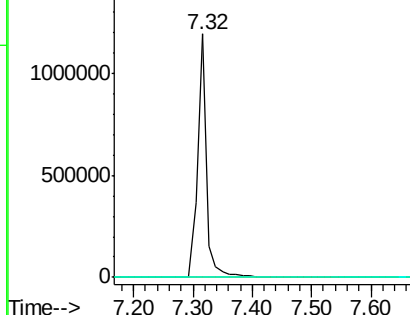
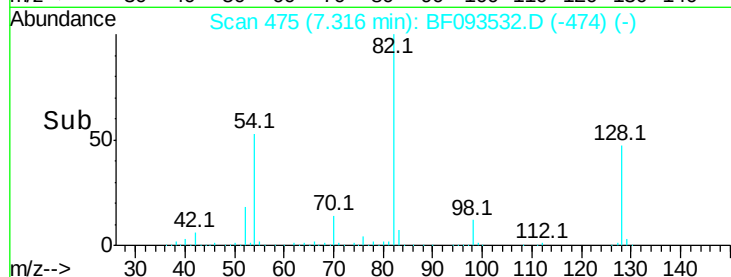
82 100

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: 9.77 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

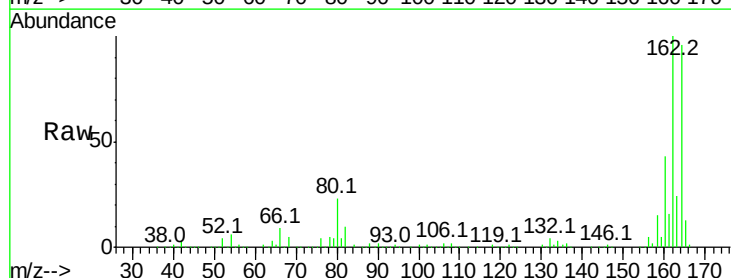
Tgt Ion:164 Resp: 353542

Ion Ratio Lower Upper

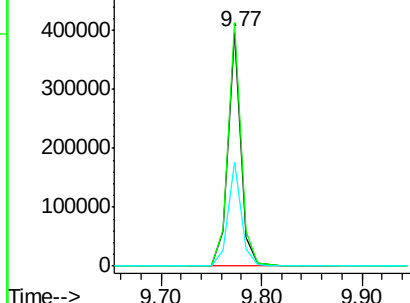
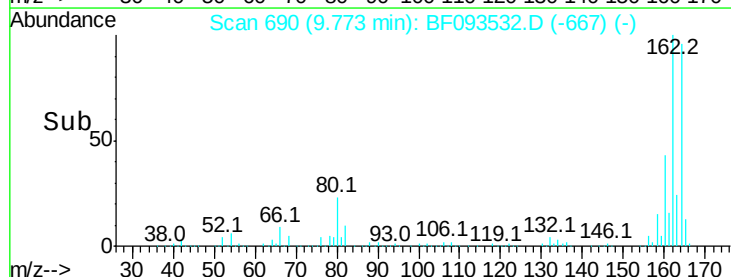
164 100

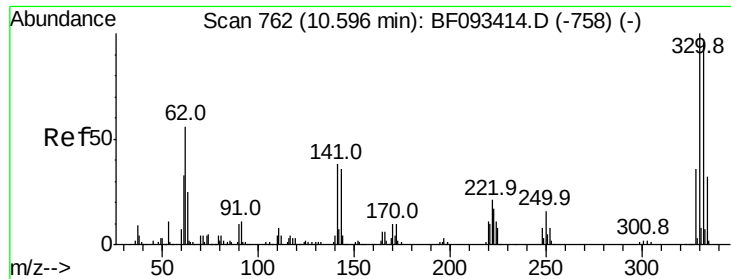
162 104.0 80.2 120.2

160 44.3 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

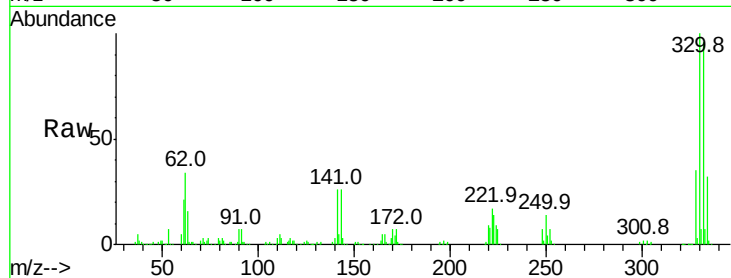




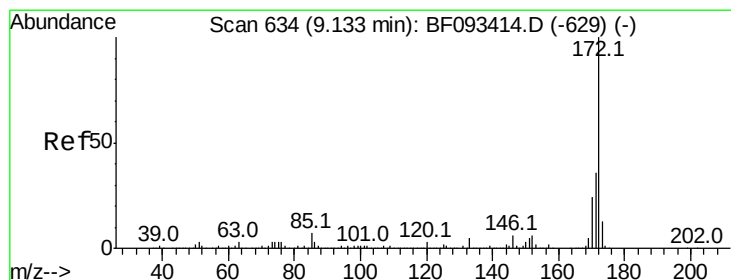
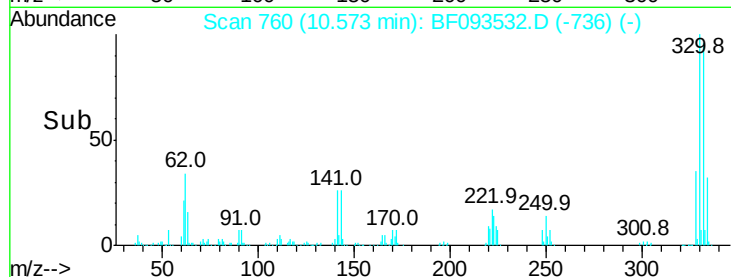
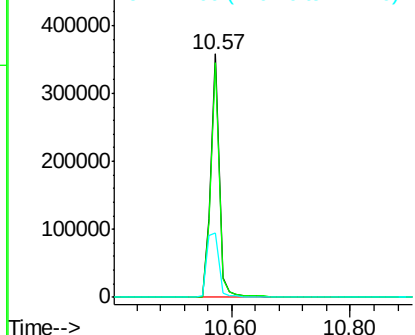
#41
 2,4,6-Tribromophenol
 Concen: 158.89 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BF093532.D
 Acq: 10 Mar 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :
 D-47

Tot Ion:330 Resp: 365984
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.4 116.2
 141 38.5 34.1 51.1

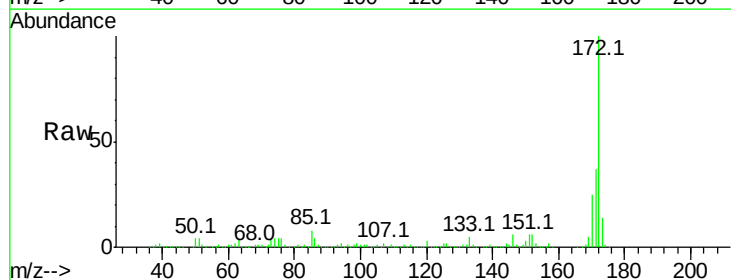


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

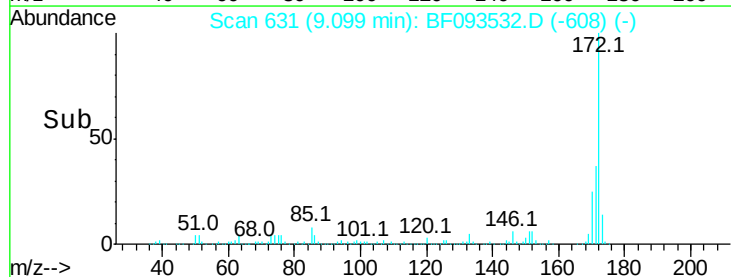
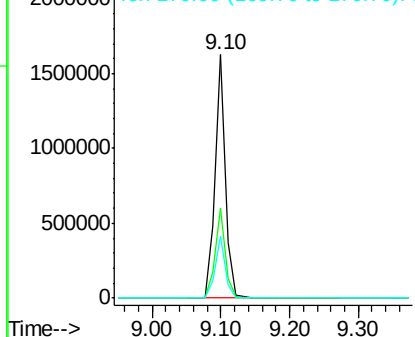


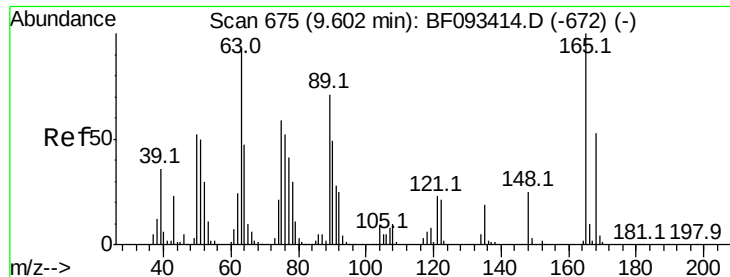
#44
 2-Fluorobiphenyl
 Concen: 91.92 ng
 RT: 9.10 min Scan# 631
 Delta R.T. -0.03 min
 Lab File: BF093532.D
 Acq: 10 Mar 2017 19:56

Tgt Ion:172 Resp: 1747231
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.4 44.0
 170 25.2 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: 9.09 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.17 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

Instrument :

BNA_F

ClientSampleId :

D-47

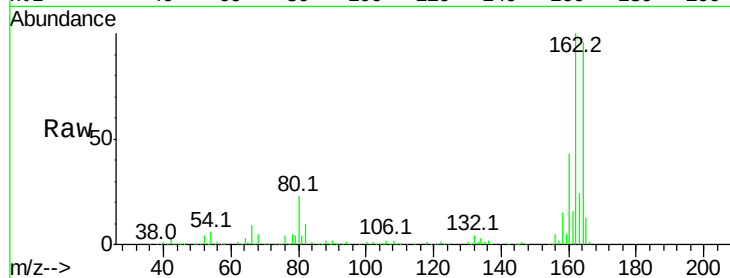
Tot Ion:165 Resp: 46740

Ion Ratio Lower Upper

165 100

63 1.4 36.2 54.4#

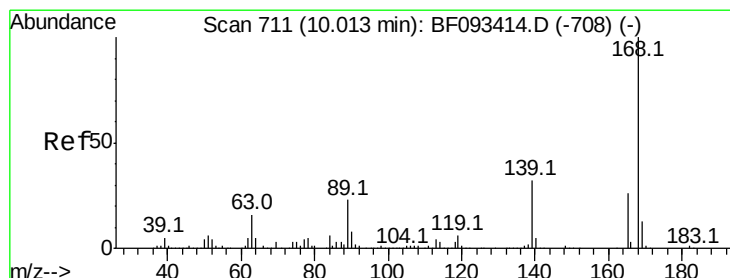
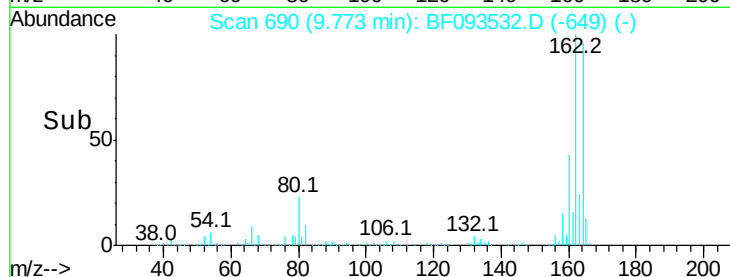
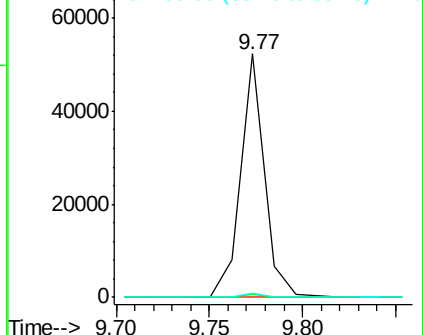
89 1.6 40.2 60.4#



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: 7.40 ng

RT: 9.77 min Scan# 690

Delta R.T. -0.24 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

Tgt Ion:165 Resp: 46743

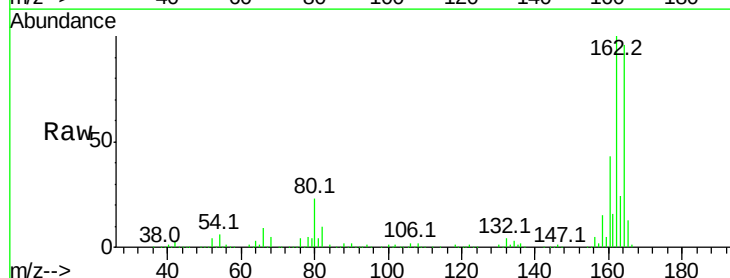
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 1.6 62.5 93.7#

182 0.0 1.8 2.8#

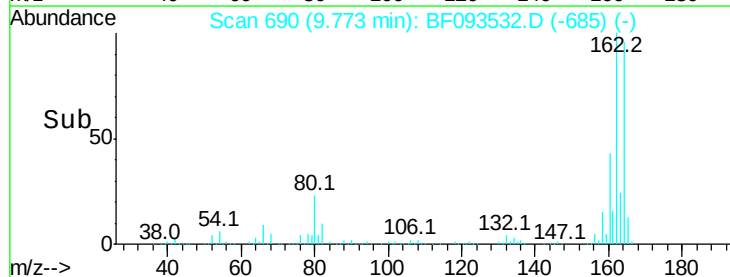
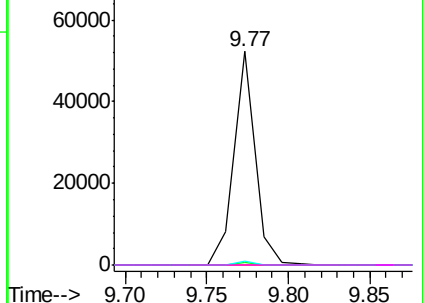


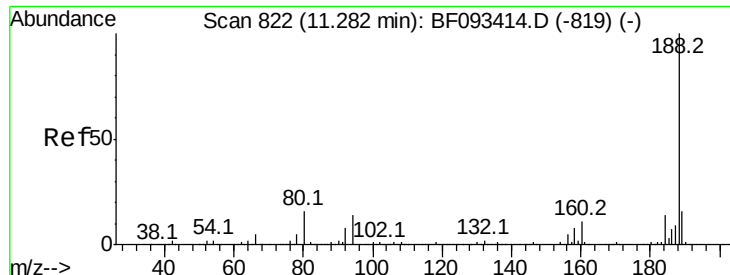
Abundance Ion 165.00 (164.70 to 165.70): E

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

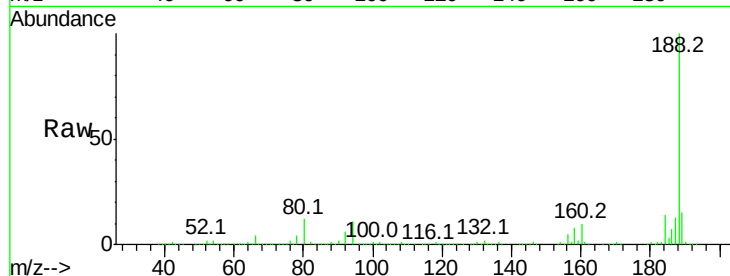




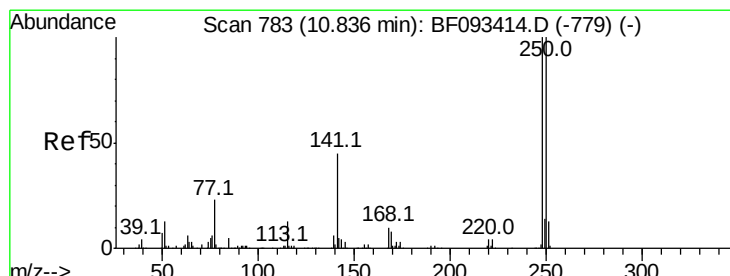
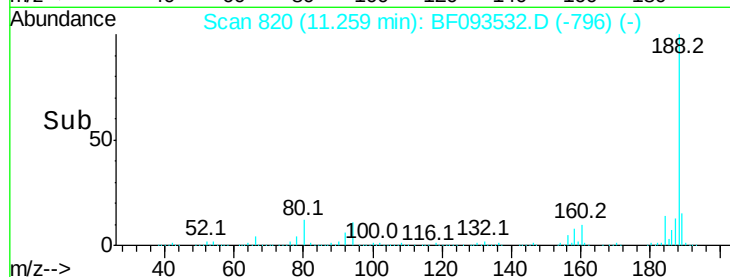
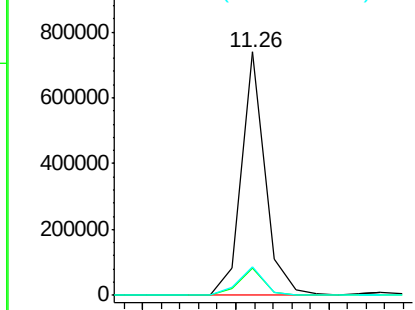
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF093532.D
 Acq: 10 Mar 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :
 D-47

Tot Ion:188 Resp: 658112
 Ion Ratio Lower Upper
 188 100
 94 11.4 10.0 15.0
 80 11.9 11.2 16.8

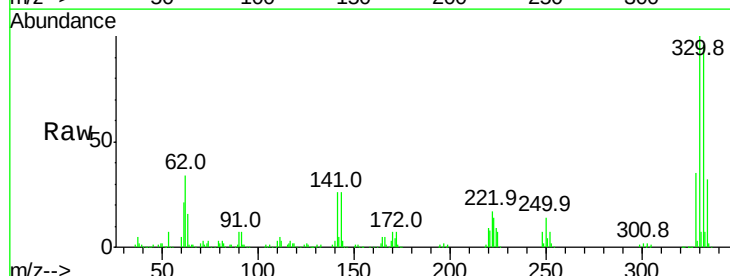


Abundance Ion 188.00 (187.70 to 188.70): E
 1000000
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

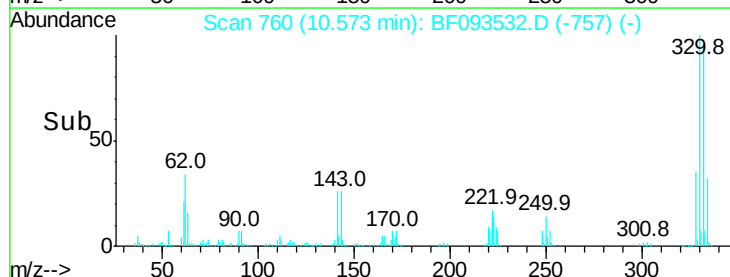
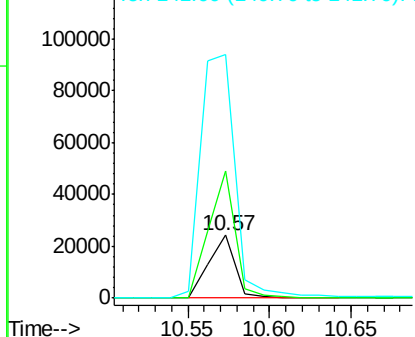


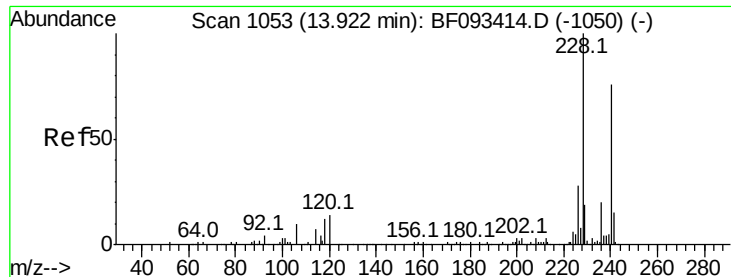
#66
 4-Bromophenyl-phenylether
 Concen: 3.98 ng
 RT: 10.57 min Scan# 760
 Delta R.T. -0.26 min
 Lab File: BF093532.D
 Acq: 10 Mar 2017 19:56

Tgt Ion:248 Resp: 27704
 Ion Ratio Lower Upper
 248 100
 250 202.2 76.9 115.3#
 141 387.3 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E
 120000
 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: 13.90 min Scan# 1051

Delta R.T. -0.02 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

Instrument :

BNA_F

ClientSampleId :

D-47

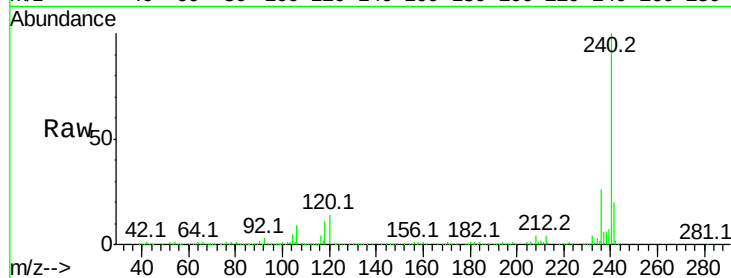
Tot Ion:240 Resp: 555223

Ion Ratio Lower Upper

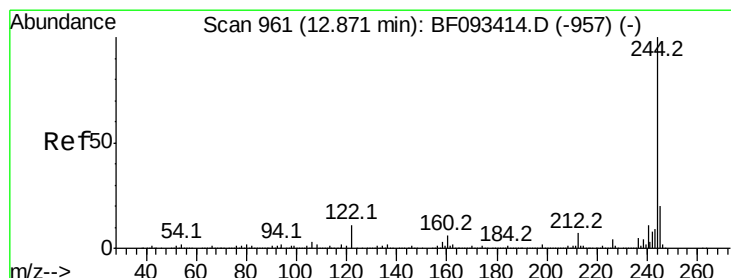
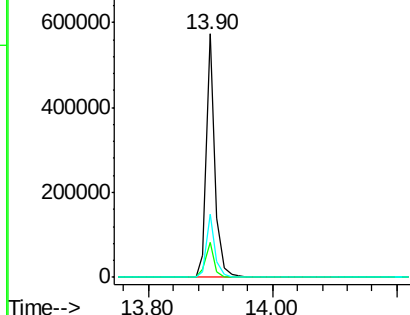
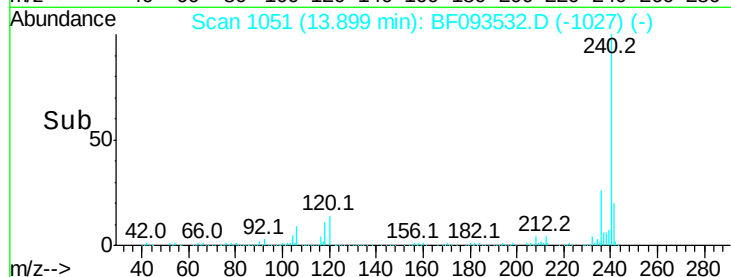
240 100

120 14.2 12.9 19.3

236 26.2 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: 79.51 ng

RT: 12.85 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF093532.D

Acq: 10 Mar 2017 19:56

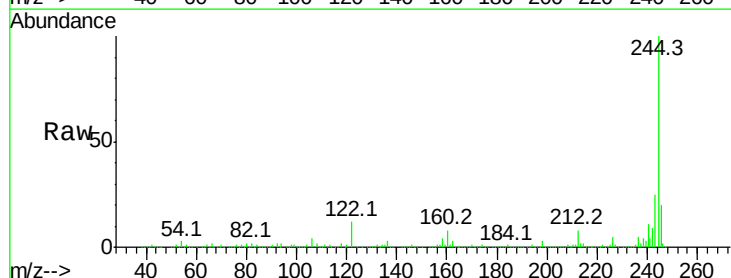
Tgt Ion:244 Resp: 1697857

Ion Ratio Lower Upper

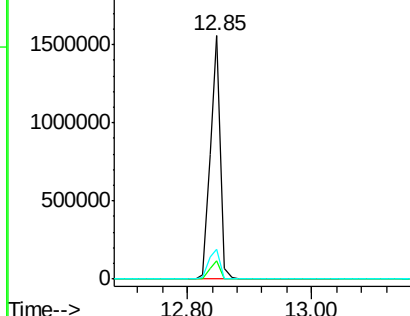
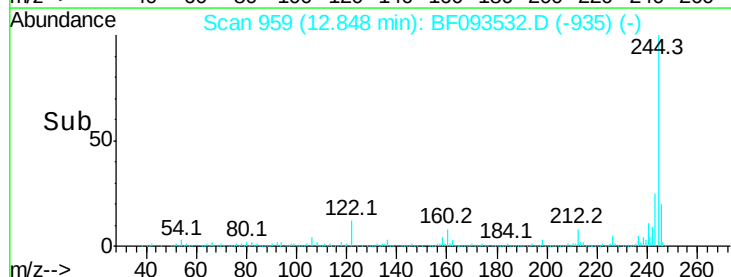
244 100

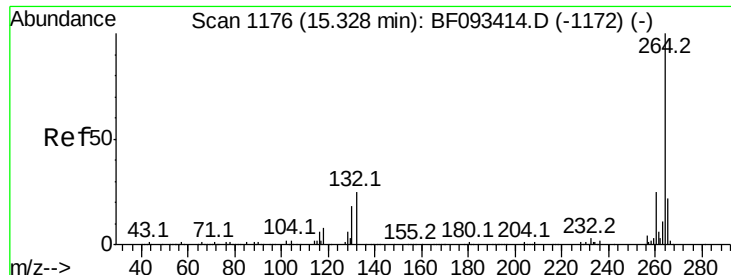
212 7.7 6.2 9.2

122 12.1 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

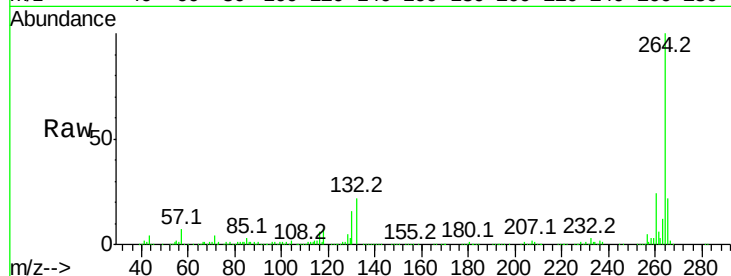




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.31 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: BF093532.D
 Acq: 10 Mar 2017 19:56

Instrument :
 BNA_F
 ClientSampleId :
 D-47

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	24.4	19.2	28.8	
265	21.7	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

