

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\
 Data File : BF093648.D
 Acq On : 14 Mar 2017 10:19
 Operator : SJ/MA
 Sample : I2201-24
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D-127

Quant Time: Mar 15 02:30:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

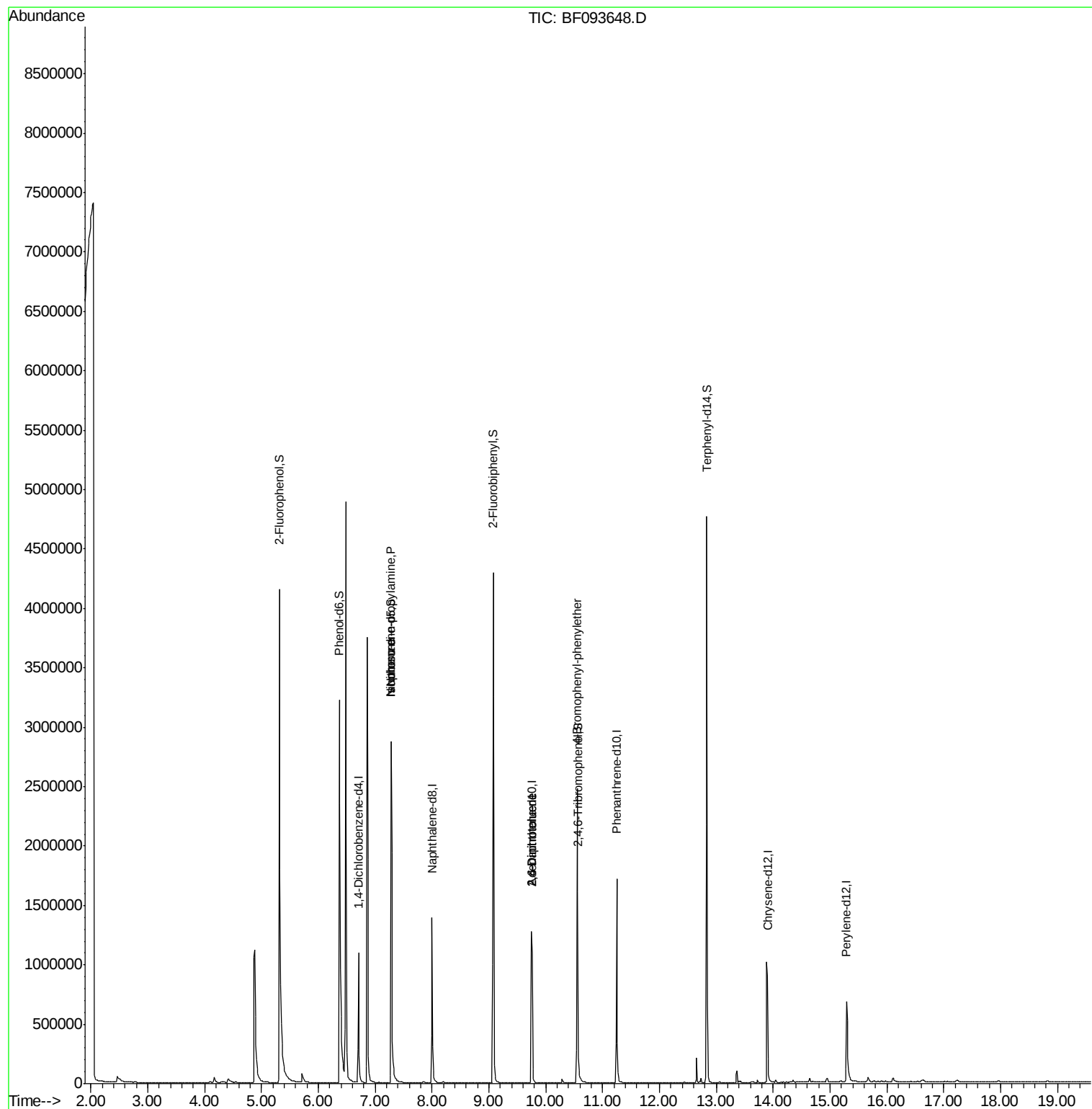
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	189014	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	767261	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	366565	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	688209	20.00	ng	0.00
75) Chrysene-d12	13.90	240	570180	20.00	ng	0.01
86) Perylene-d12	15.29	264	400597	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	1672642	147.28	ng	0.00
7) Phenol-d6	6.37	99	2076048	144.96	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1343640	97.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	401060	167.93	ng	0.01
44) 2-Fluorobiphenyl	9.08	172	2079761	105.53	ng	-0.01
78) Terphenyl-d14	12.84	244	1690795	77.10	ng	0.01
Target Compounds						
9) Benzaldehyde	6.37	77	2498	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.28	70	173857	17.66	ng	# 82
25) Isophorone	7.28	82	1325918	47.55	ng	# 65
50) 2,6-Dinitrotoluene	9.75	165	45935	8.61	ng	# 31
56) 2,4-Dinitrotoluene	9.75	165	45928	7.01	ng	# 20
66) 4-Bromophenyl-phenylether	10.55	248	27249	3.74	ng	# 1

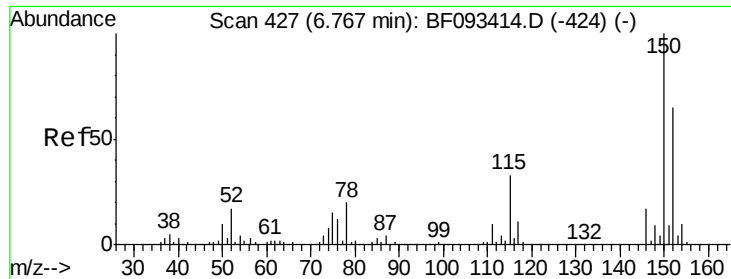
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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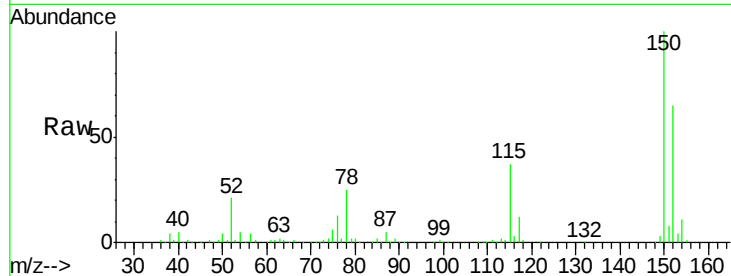


#1

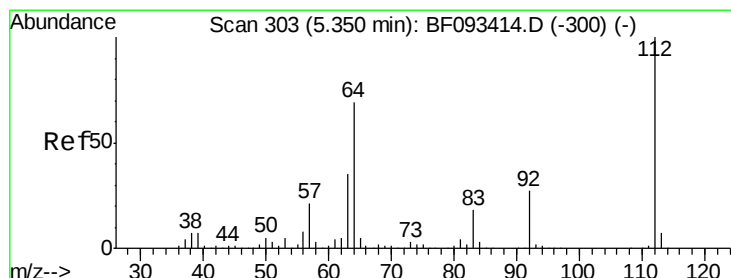
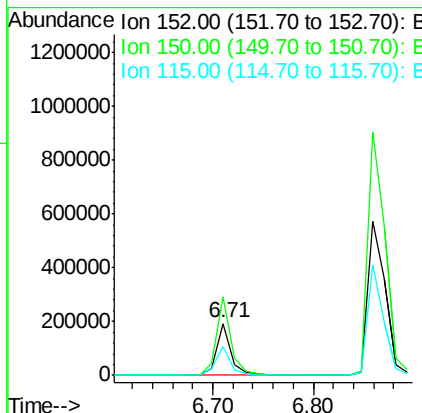
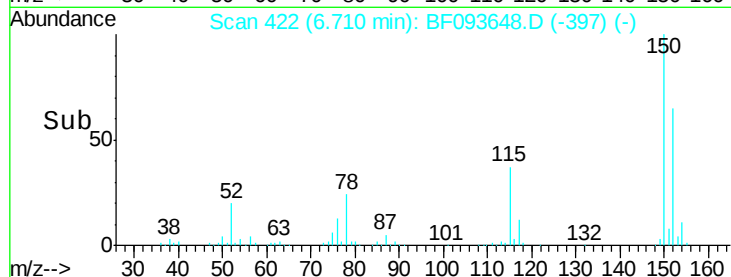
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.71 min Scan# 422
Delta R.T. -0.01 min
Lab File: BF093648.D
Acq: 14 Mar 2017 10:19

Instrument :
BNA_M
ClientSampleId :
D-127

Tot Ion:152 Resp: 189014
Ion Ratio Lower Upper
152 100
150 152.7 124.9 187.3
115 56.3 46.0 69.0



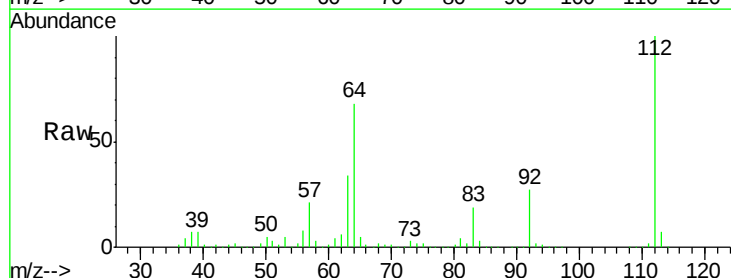
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



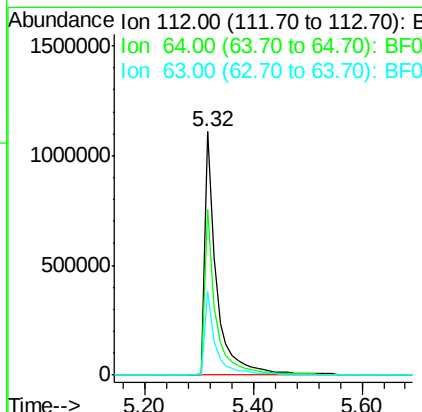
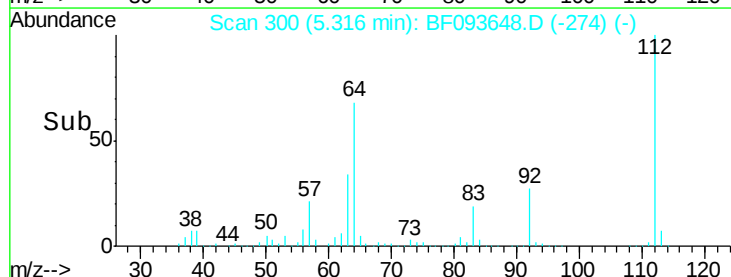
#5

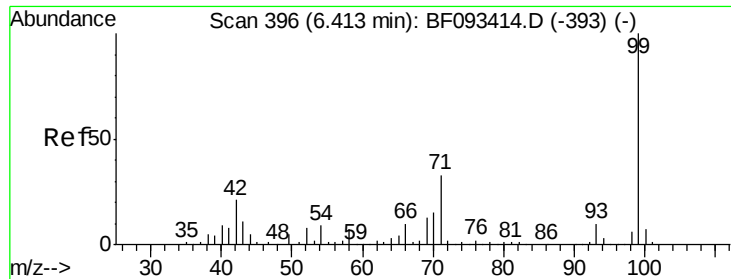
2-Fluorophenol
Concen: 147.28 ng
RT: 5.32 min Scan# 300
Delta R.T. 0.00 min
Lab File: BF093648.D
Acq: 14 Mar 2017 10:19

Tgt Ion:112 Resp: 1672642
Ion Ratio Lower Upper
112 100
64 67.9 46.1 69.1
63 34.3 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: 144.96 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093648.D

Acq: 14 Mar 2017 10:19

Instrument :

BNA_M

ClientSampleID :

D-127

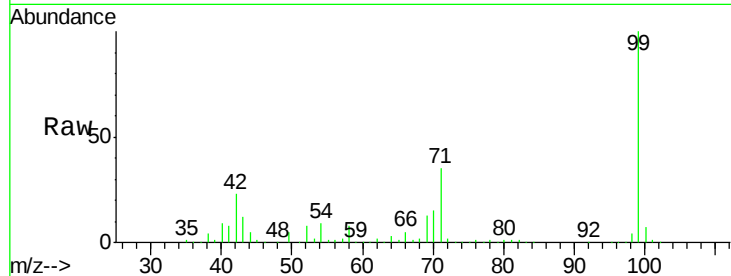
Tot Ion: 99 Resp: 2076048

Ion Ratio Lower Upper

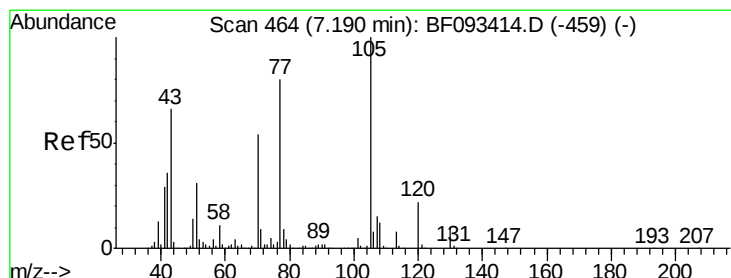
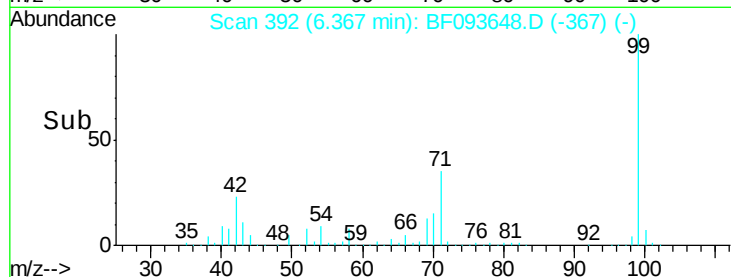
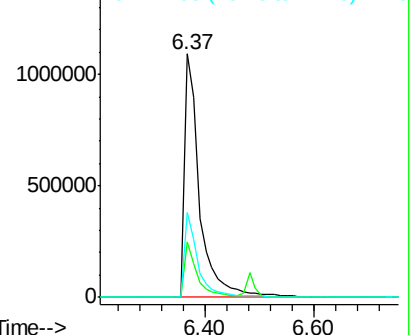
99 100

42 22.6 15.6 23.4

71 34.7 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: 17.66 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093648.D

Acq: 14 Mar 2017 10:19

Tgt Ion: 70 Resp: 173857

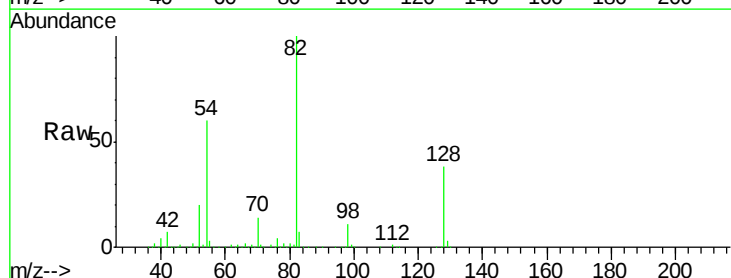
Ion Ratio Lower Upper

70 100

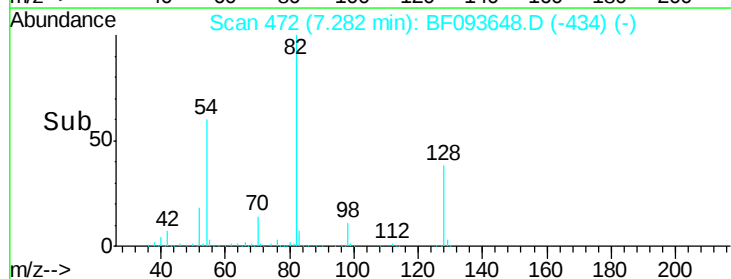
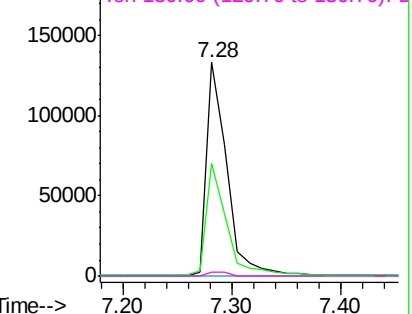
42 52.8 49.4 74.0

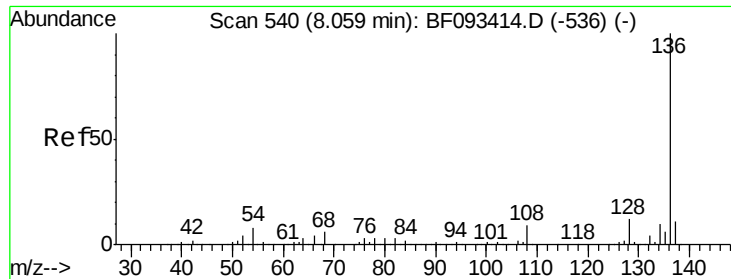
101 0.0 7.4 11.2#

130 1.8 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

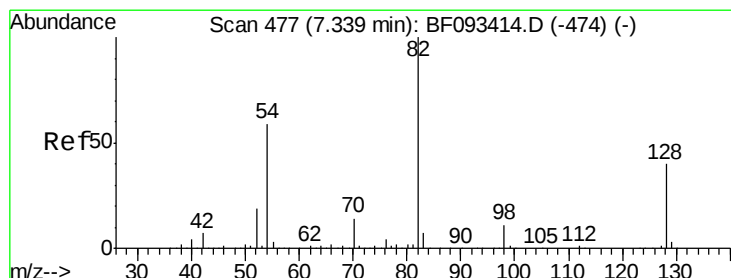
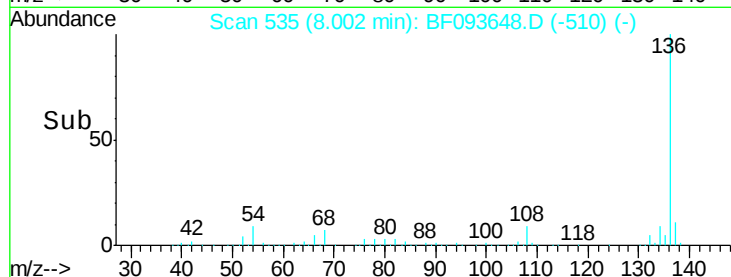
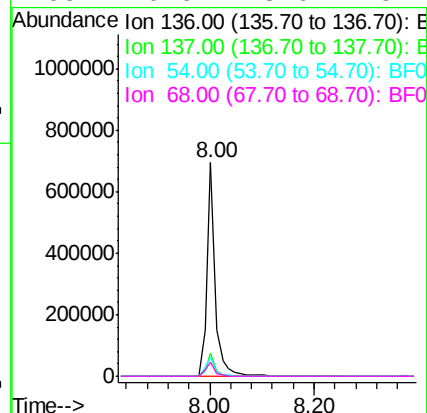
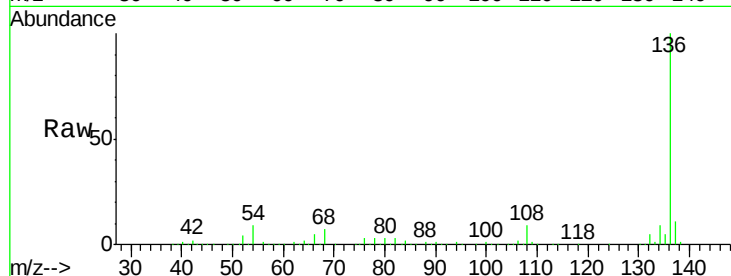




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093648.D
Acq: 14 Mar 2017 10:19

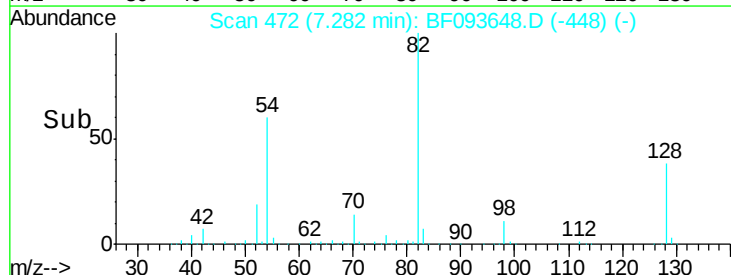
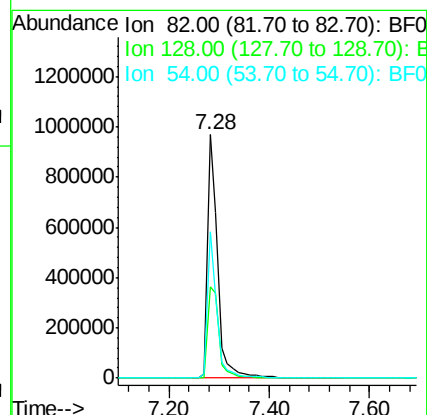
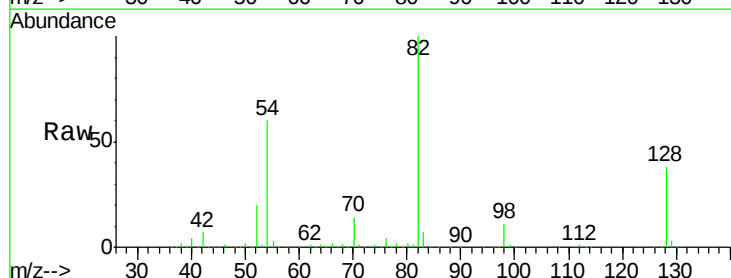
Instrument :
BNA_M
ClientSampleId :
D-127

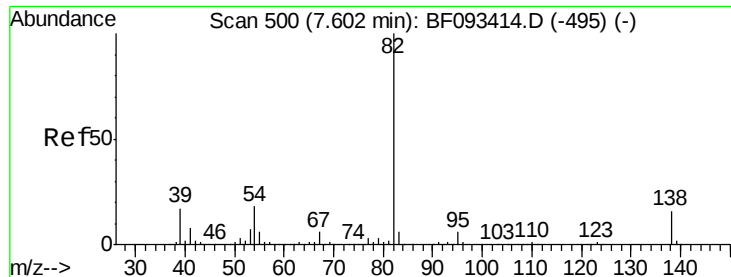
Tot Ion:	136	Resp:	767261
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	8.8	4.5	6.7#
68	6.6	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 97.17 ng
RT: 7.28 min Scan# 472
Delta R.T. -0.02 min
Lab File: BF093648.D
Acq: 14 Mar 2017 10:19

Tgt Ion:	82	Resp:	1343640
Ion	Ratio	Lower	Upper
82	100		
128	37.7	34.6	52.0
54	60.4	39.5	59.3#





#25

Isophorone

Concen: 47.55 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093648.D

Acq: 14 Mar 2017 10:19

Instrument :

BNA_M

ClientSampleId :

D-127

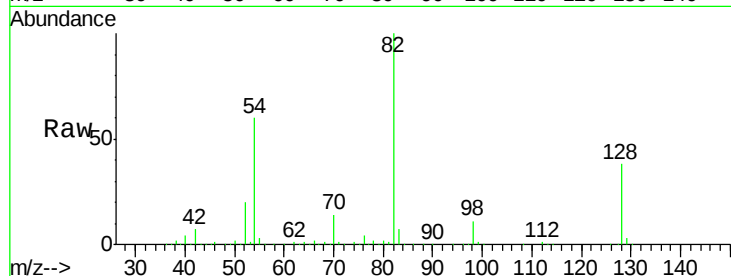
Tot Ion: 82 Resp: 1325918

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

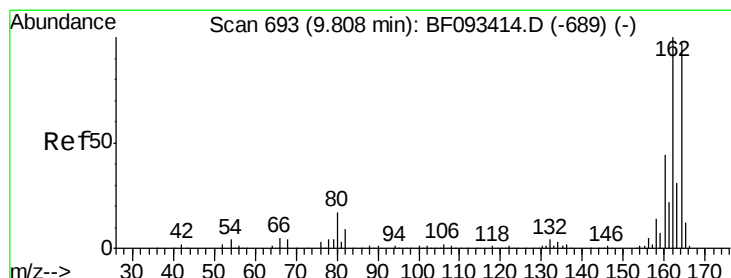
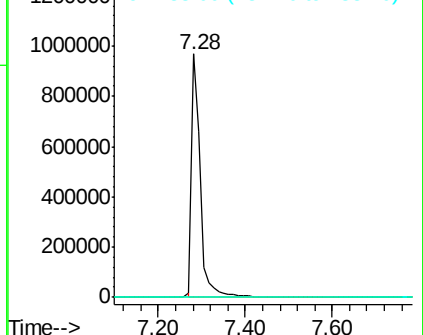
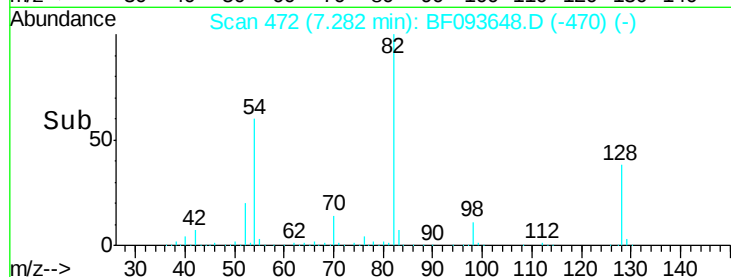
138 0.0 14.6 22.0#



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: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093648.D

Acq: 14 Mar 2017 10:19

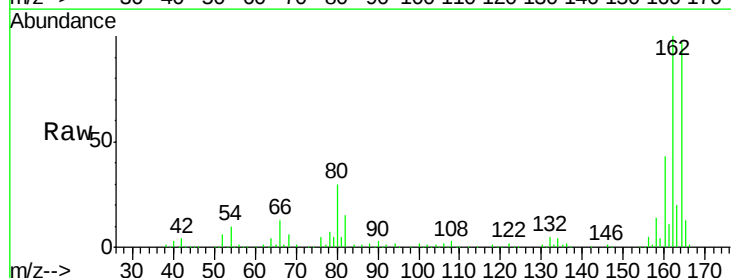
Tgt Ion: 164 Resp: 366565

Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

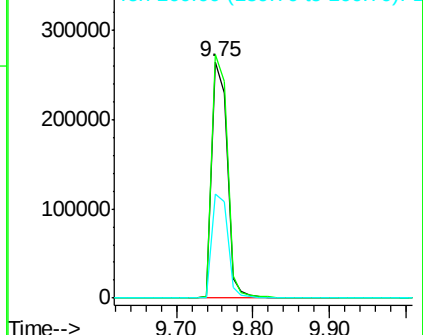
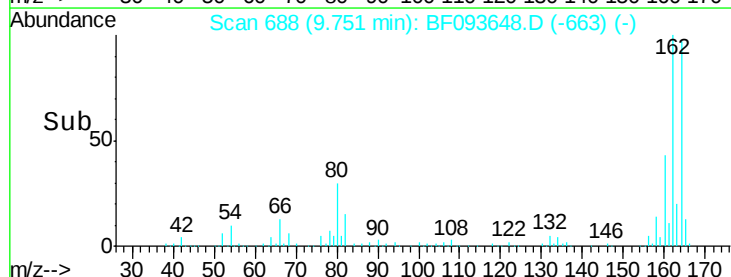
160 44.2 36.9 55.3

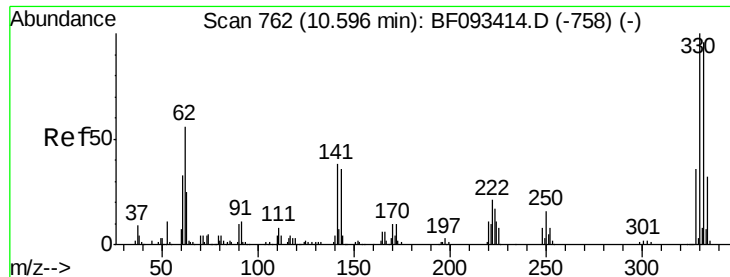


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

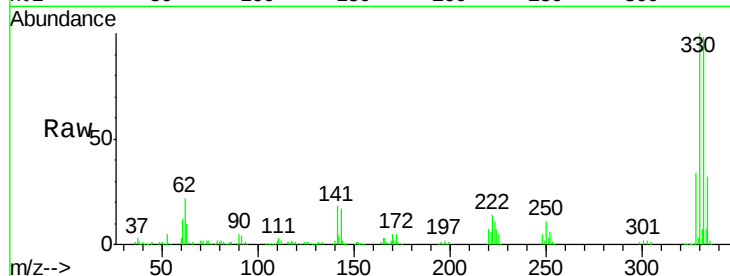




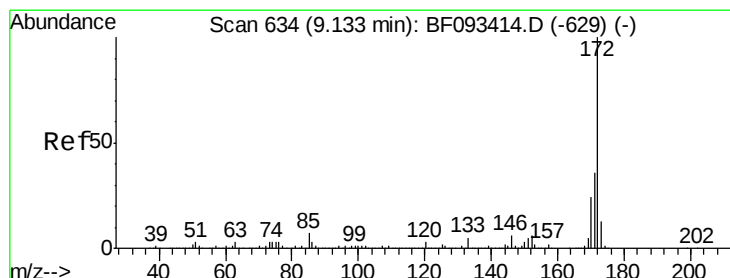
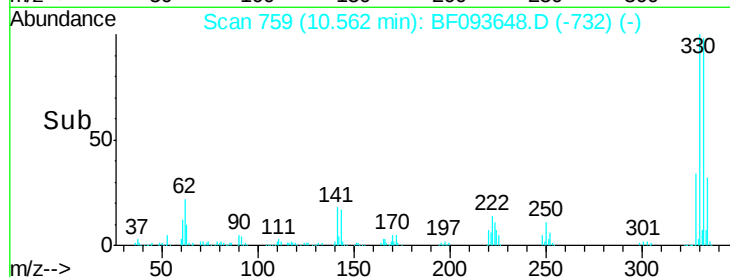
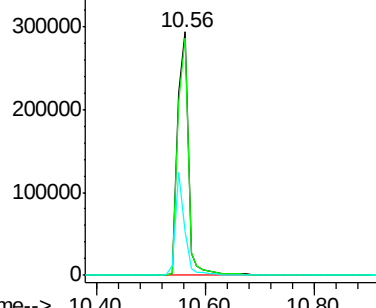
#41
 2,4,6-Tribromophenol
 Concen: 167.93 ng
 RT: 10.56 min Scan# 759
 Delta R.T. 0.01 min
 Lab File: BF093648.D
 Acq: 14 Mar 2017 10:19

Instrument :
 BNA_M
 ClientSampleId :
 D-127

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.2
141	36.9	34.1	51.1

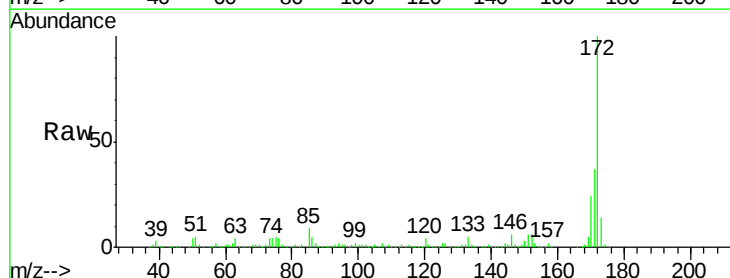


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

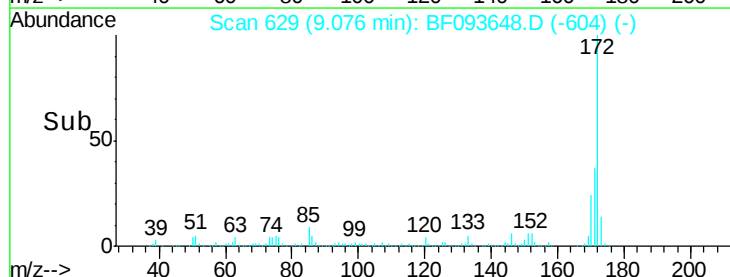
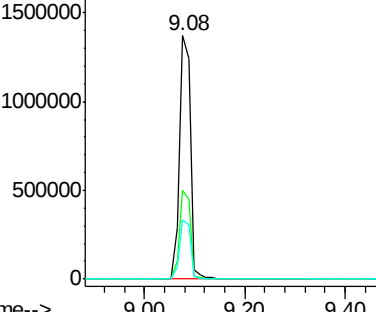


#44
 2-Fluorobiphenyl
 Concen: 105.53 ng
 RT: 9.08 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093648.D
 Acq: 14 Mar 2017 10:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.5	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

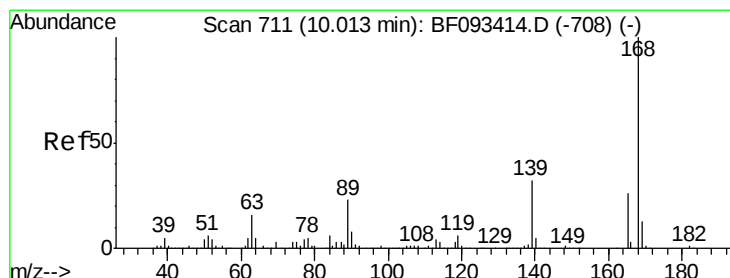
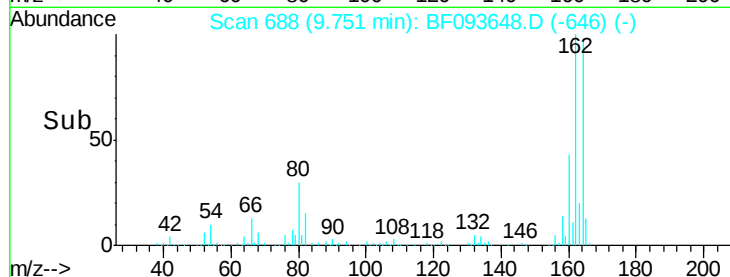
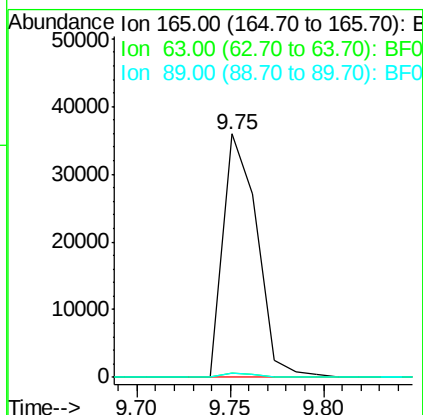
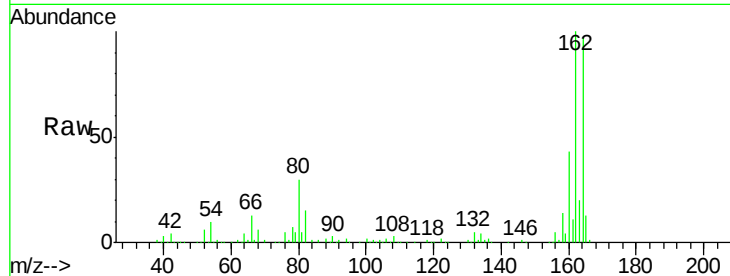




#50
 2,6-Dinitrotoluene
 Concen: 8.61 ng
 RT: 9.75 min Scan# 688
 Delta R.T. 0.18 min
 Lab File: BF093648.D
 Acq: 14 Mar 2017 10:19

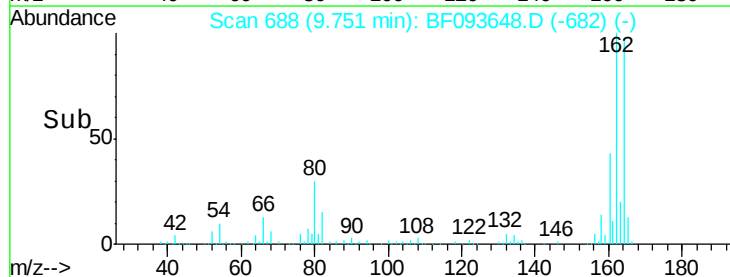
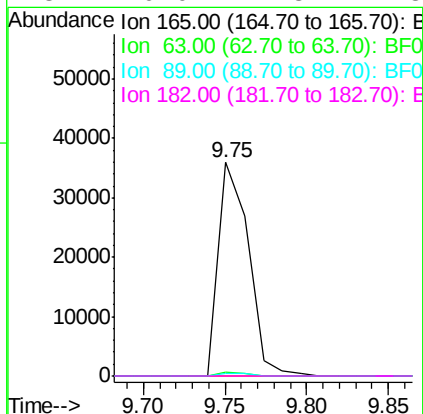
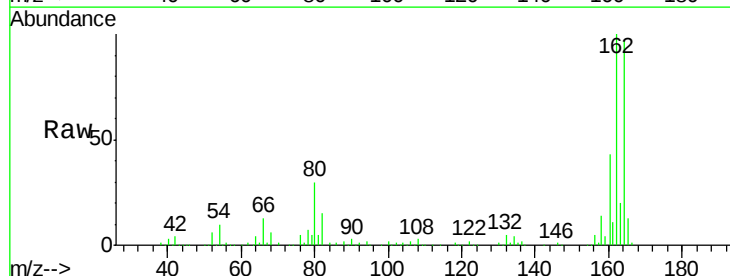
Instrument :
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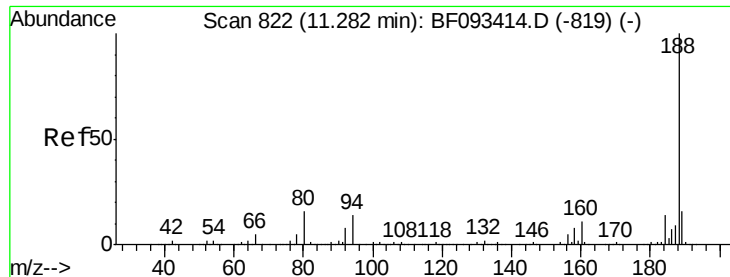
Tot Ion:165 Resp: 45935
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.2 54.4#
 89 1.5 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.01 ng
 RT: 9.75 min Scan# 688
 Delta R.T. -0.23 min
 Lab File: BF093648.D
 Acq: 14 Mar 2017 10:19

Tgt Ion:165 Resp: 45928
 Ion Ratio Lower Upper
 165 100
 63 1.7 40.2 60.4#
 89 1.5 62.5 93.7#
 182 0.0 1.8 2.8#

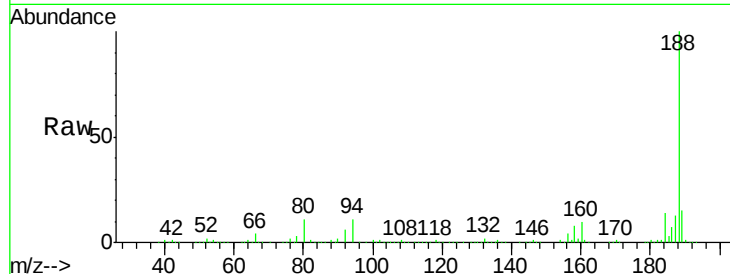




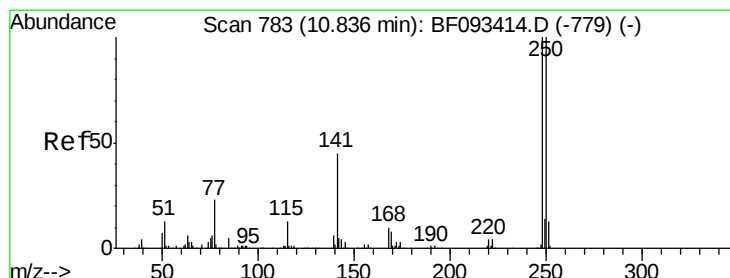
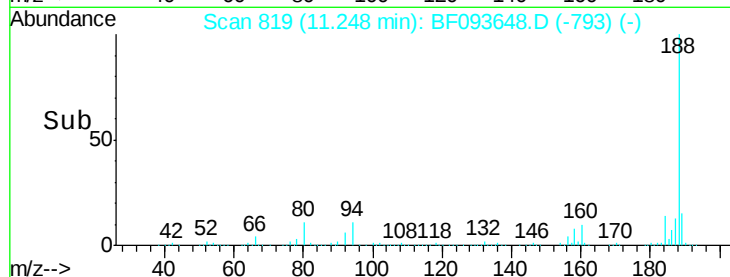
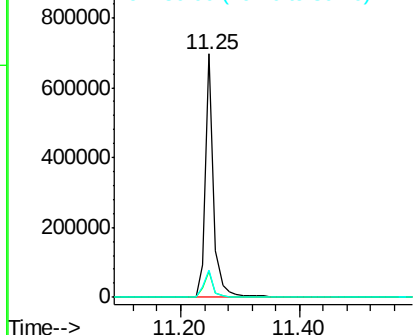
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 819
Delta R.T. 0.00 min
Lab File: BF093648.D
Acq: 14 Mar 2017 10:19

Instrument :
BNA_M
ClientSampleId :
D-127

Tot Ion:188 Resp: 688209
Ion Ratio Lower Upper
188 100
94 10.8 10.0 15.0
80 11.4 11.2 16.8

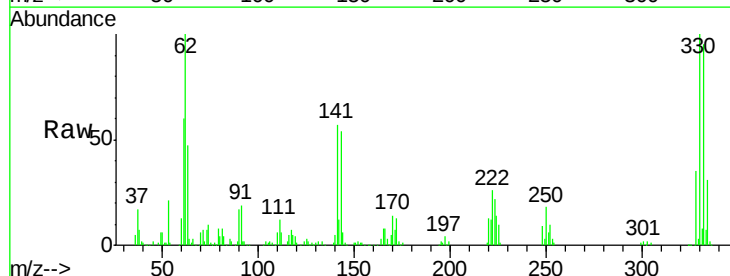


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

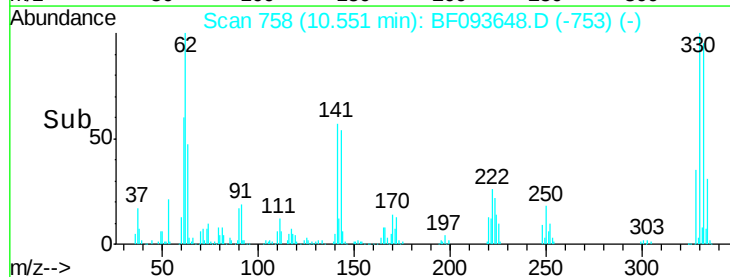
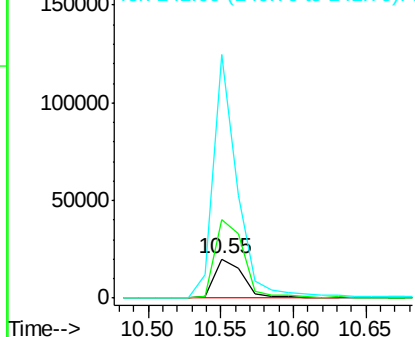


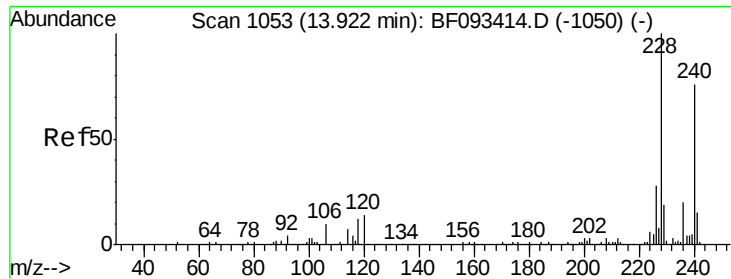
#66
4-Bromophenyl-phenylether
Concen: 3.74 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.24 min
Lab File: BF093648.D
Acq: 14 Mar 2017 10:19

Tgt Ion:248 Resp: 27249
Ion Ratio Lower Upper
248 100
250 201.0 76.9 115.3#
141 623.1 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: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093648.D

Acq: 14 Mar 2017 10:19

Instrument :

BNA_M

ClientSampleId :

D-127

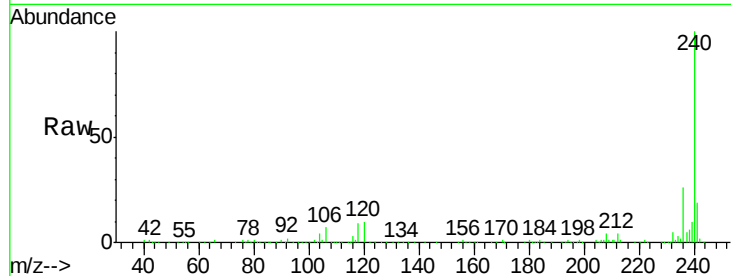
Tot Ion:240 Resp: 570180

Ion Ratio Lower Upper

240 100

120 9.8 12.9 19.3#

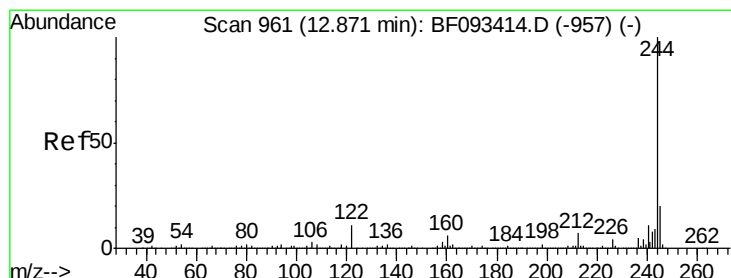
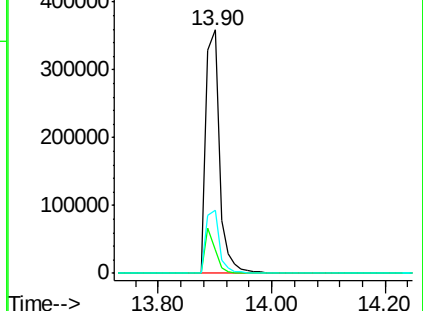
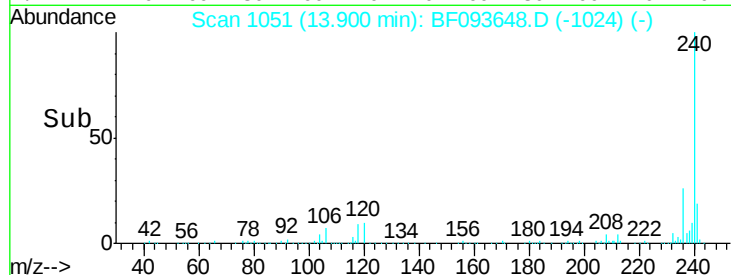
236 25.7 20.9 31.3



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: 77.10 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093648.D

Acq: 14 Mar 2017 10:19

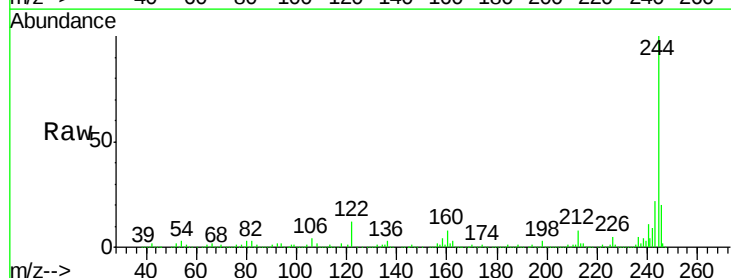
Tgt Ion:244 Resp: 1690795

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

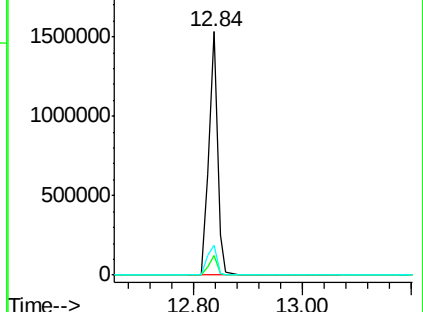
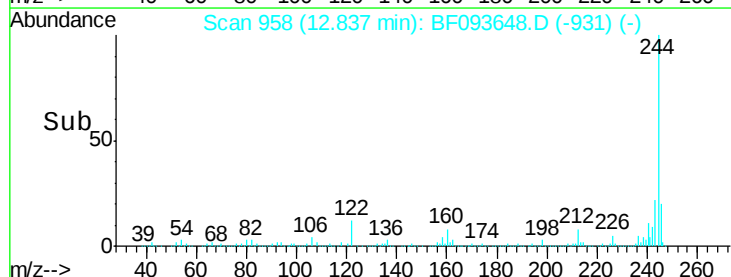
122 12.1 11.4 17.2

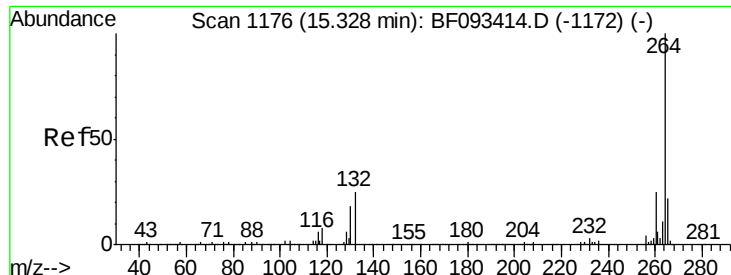


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 1173
Delta R.T. 0.01 min
Lab File: BF093648.D
Acq: 14 Mar 2017 10:19

Instrument :
BNA_M
ClientSampleId :
D-127

Tot Ion: 264 Resp: 400597

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.6	17.4	26.0

