

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098061.D
 Acq On : 28 Aug 2017 11:44
 Operator : SJ/JU
 Sample : I4947-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ELIZABETH-RO-COMP-A

Quant Time: Aug 28 13:47:04 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

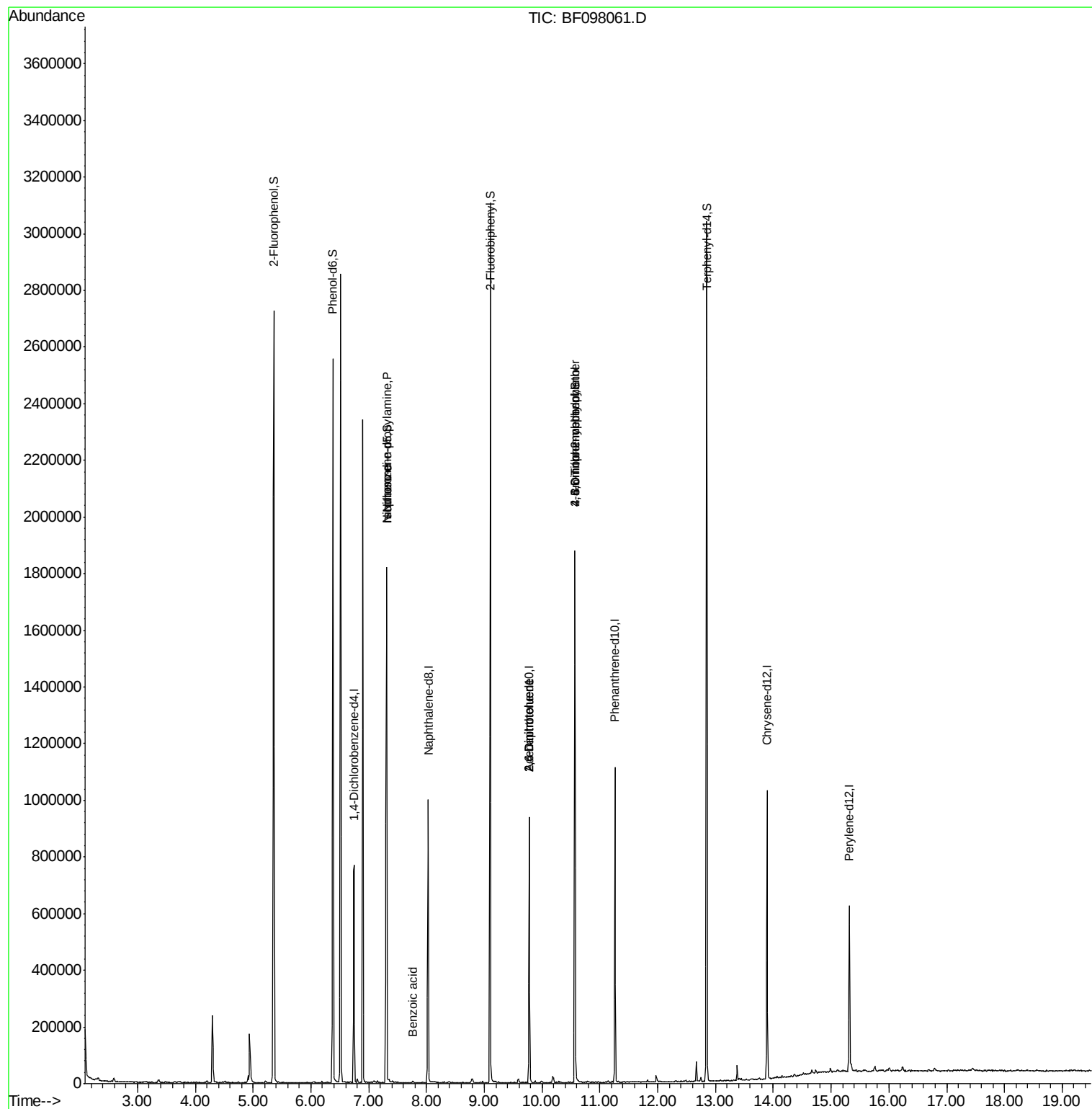
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	109733	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	434050	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	192749	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	383575	20.00	ng	0.00
75) Chrysene-d12	13.89	240	350922	20.00	ng	0.00
86) Perylene-d12	15.32	264	256513	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	767376	106.37	ng	0.00
7) Phenol-d6	6.38	99	999488	101.97	ng	0.00
23) Nitrobenzene-d5	7.31	82	683389	85.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	218527	130.67	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	994611	75.81	ng	0.00
78) Terphenyl-d14	12.85	244	973975	57.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	91619	13.654	ng	# 72
25) Isophorone	7.31	82	669620	40.305	ng	# 67
32) Benzoic acid	7.75	122	938	6.565	ng	# 85
50) 2,6-Dinitrotoluene	9.77	165	24703	8.784	ng	# 33
56) 2,4-Dinitrotoluene	9.77	165	24703	6.999	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.57	198	444	8.524	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	14769	3.708	ng	# 1

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

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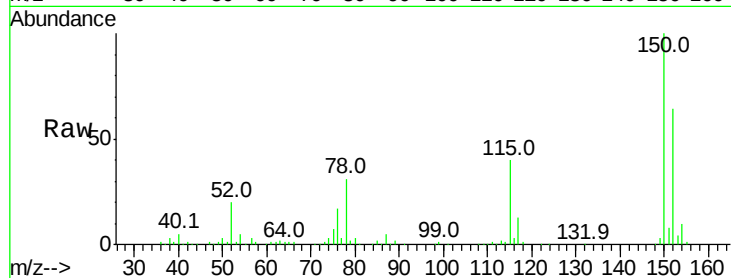


#1

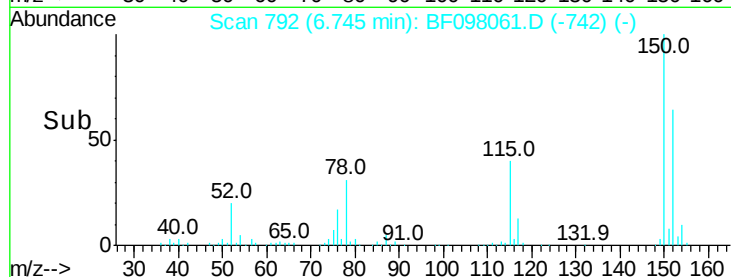
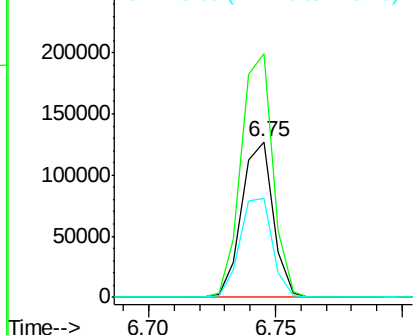
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF098061.D
 Acq: 28 Aug 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 ELIZABETH-RO-COMP-A

Tot Ion:152 Resp: 109733
 Ion Ratio Lower Upper
 152 100
 150 156.6 126.2 189.2
 115 63.3 52.2 78.2



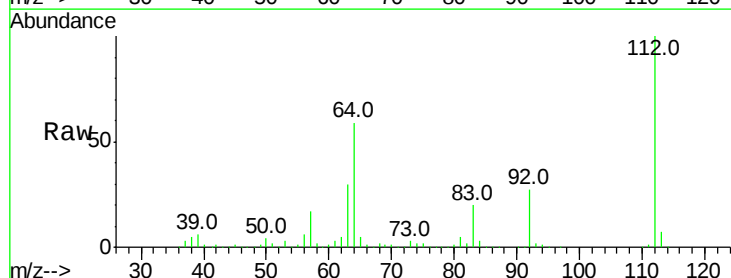
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



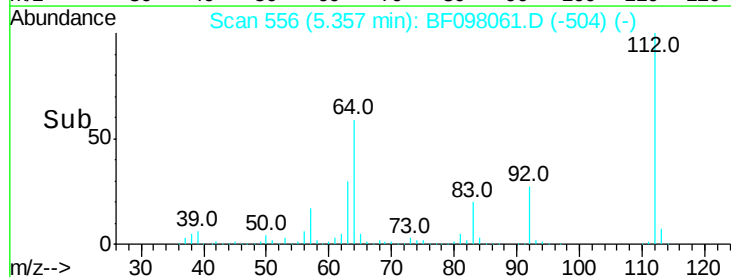
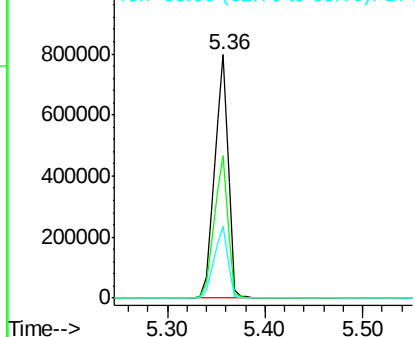
#5

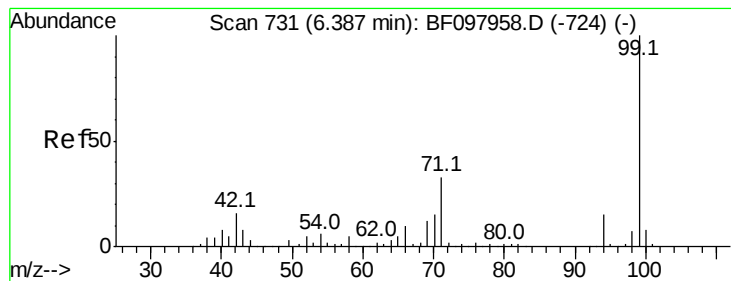
2-Fluorophenol
 Concen: 106.371 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF098061.D
 Acq: 28 Aug 2017 11:44

Tgt Ion:112 Resp: 767376
 Ion Ratio Lower Upper
 112 100
 64 58.7 46.0 69.0
 63 29.9 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: 101.968 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-A

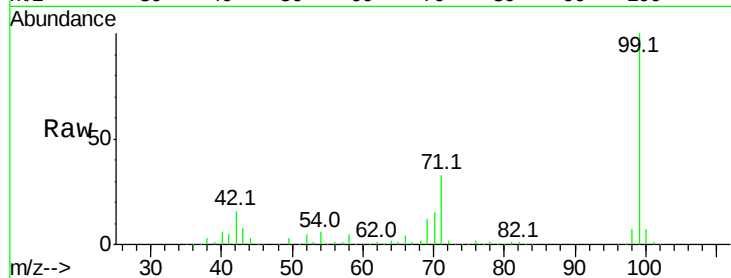
Tot Ion: 99 Resp: 999488

Ion Ratio Lower Upper

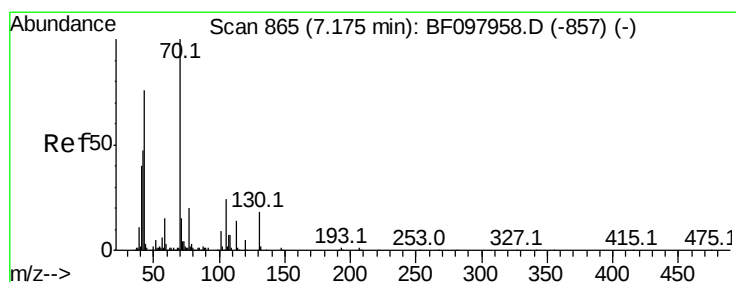
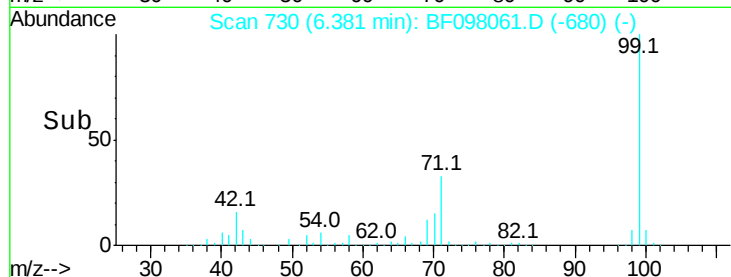
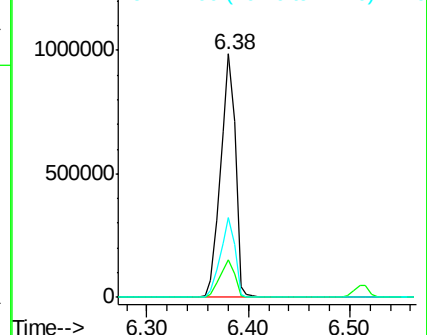
99 100

42 15.6 13.5 20.3

71 32.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.654 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

Tgt Ion: 70 Resp: 91619

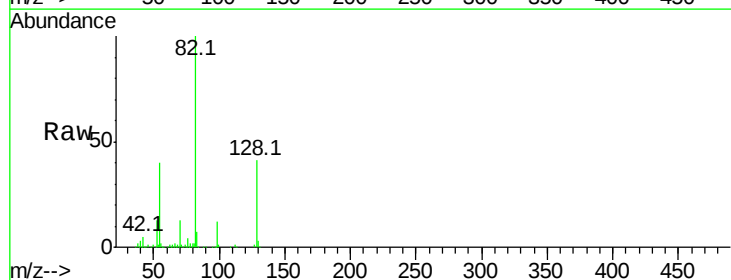
Ion Ratio Lower Upper

70 100

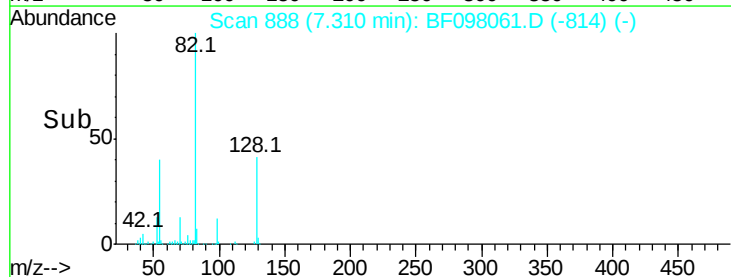
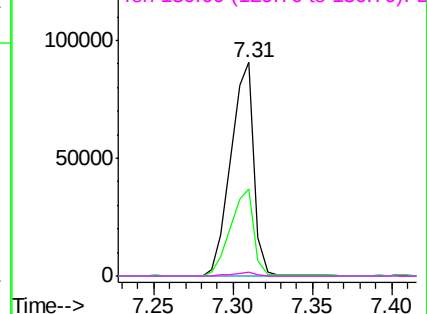
42 40.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#



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

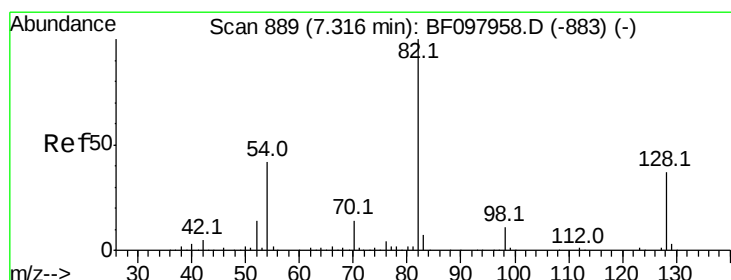
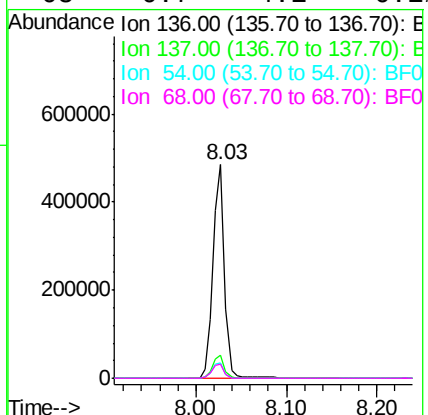
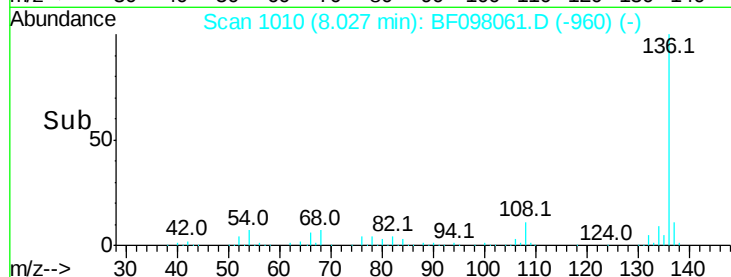
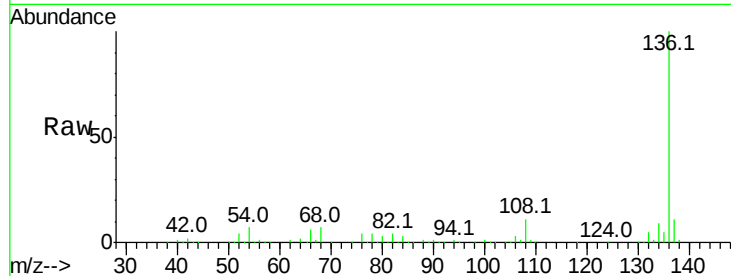




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF098061.D
Acq: 28 Aug 2017 11:44

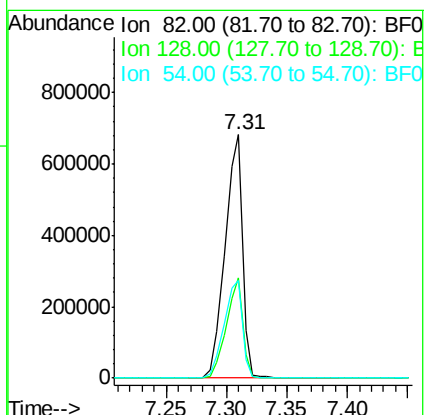
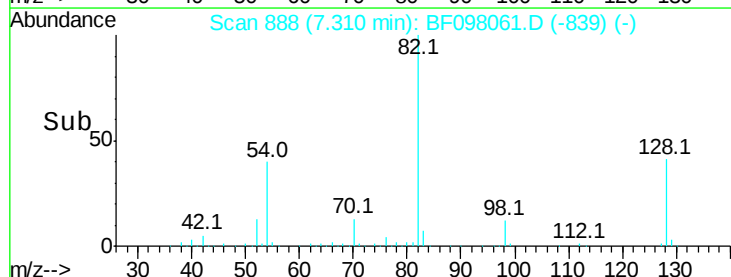
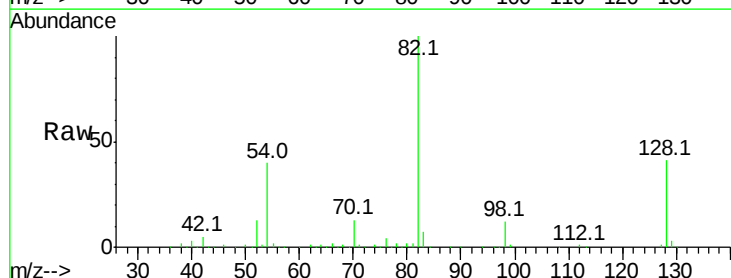
Instrument :
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ClientSampleId :
ELIZABETH-RO-COMP-A

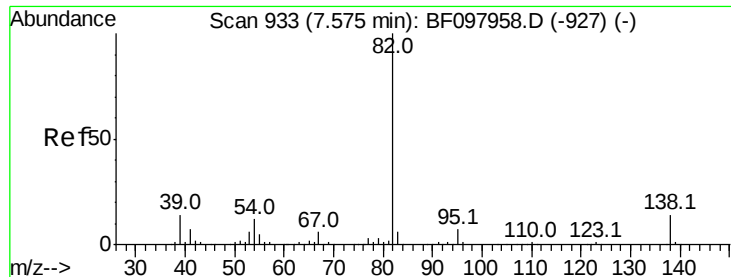
Tot Ion:	136	Resp:	434050
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.2	4.9	7.3
68	6.7	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 85.531 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF098061.D
Acq: 28 Aug 2017 11:44

Tgt Ion:	82	Resp:	683389
Ion	Ratio	Lower	Upper
82	100		
128	40.9	34.0	51.0
54	40.3	42.2	63.2#





#25

Isophorone

Concen: 40.305 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-A

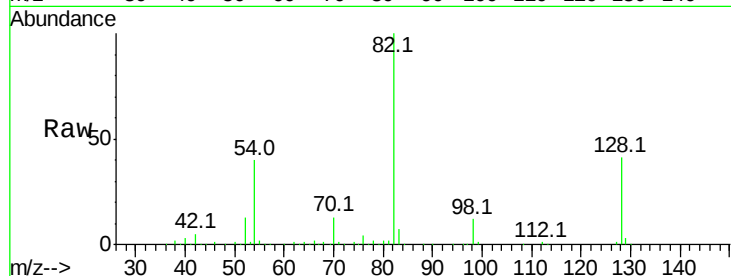
Tot Ion: 82 Resp: 669620

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

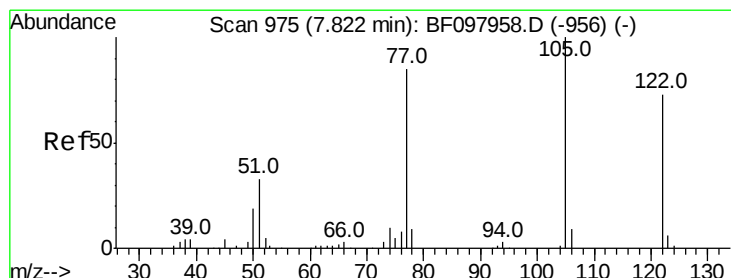
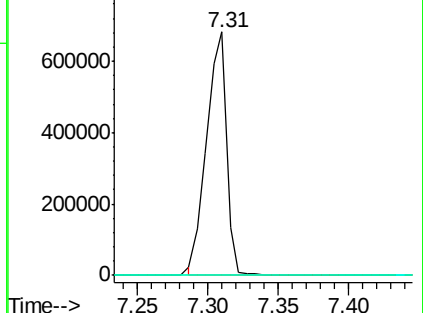
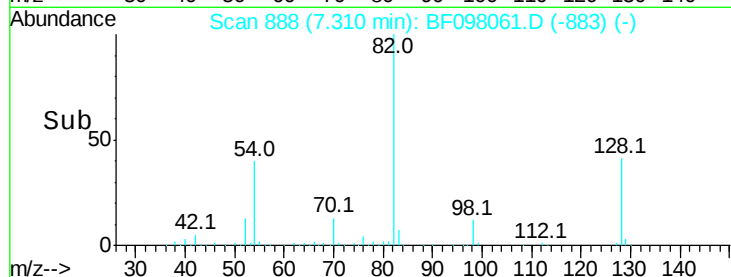
138 0.0 13.1 19.7#



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



#32

Benzoic acid

Concen: 6.565 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.08 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

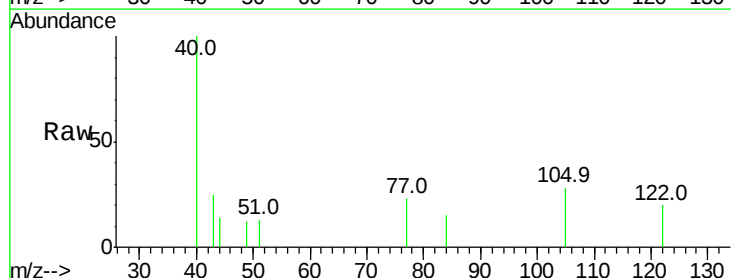
Tgt Ion:122 Resp: 938

Ion Ratio Lower Upper

122 100

105 136.7 103.3 143.3

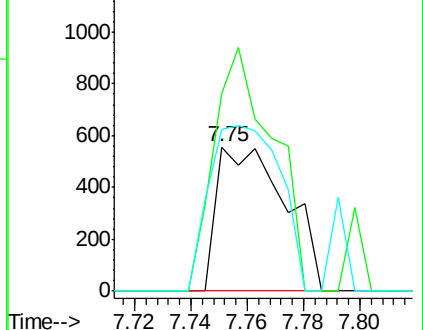
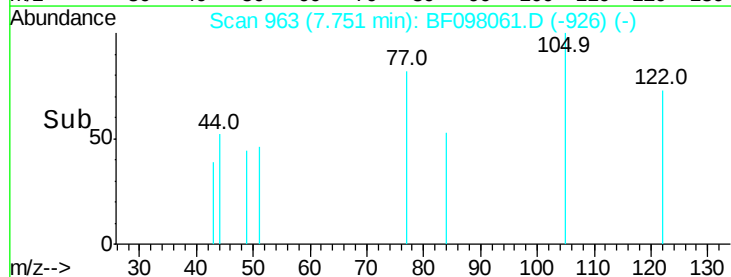
77 112.2 73.7 113.7

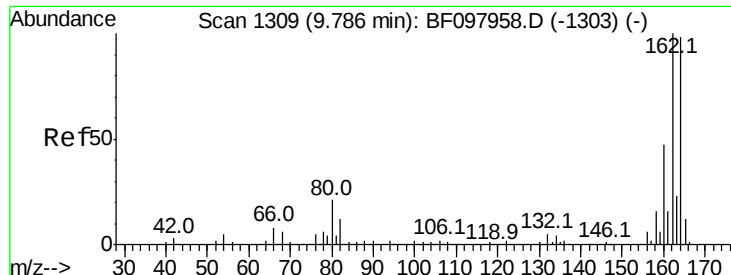


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

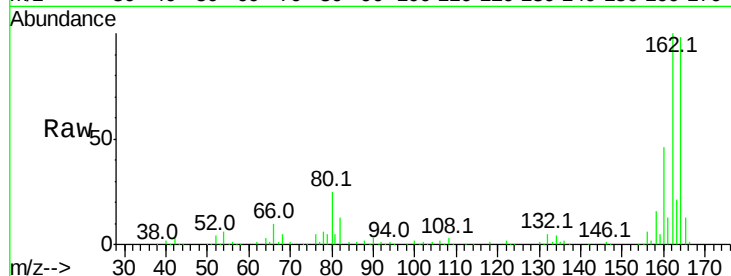




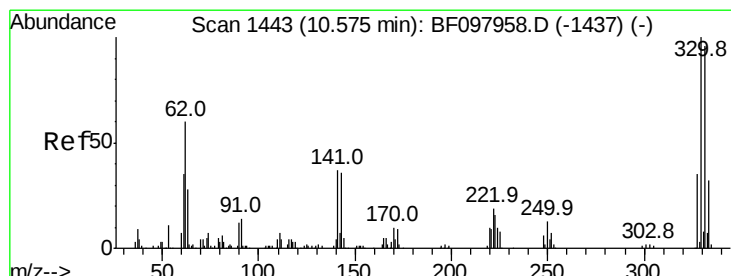
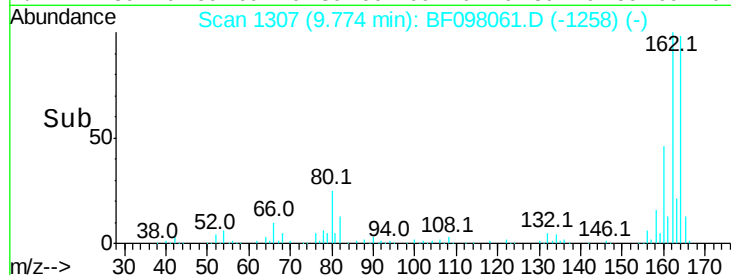
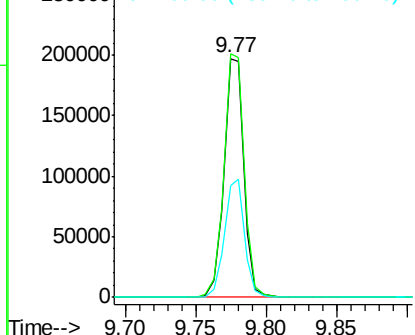
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098061.D
 Acq: 28 Aug 2017 11:44

Instrument :
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 ClientSampleId :
 ELIZABETH-RO-COMP-A

Tot Ion:164 Resp: 192749
 Ion Ratio Lower Upper
 164 100
 162 101.8 82.6 123.8
 160 46.9 36.2 54.2

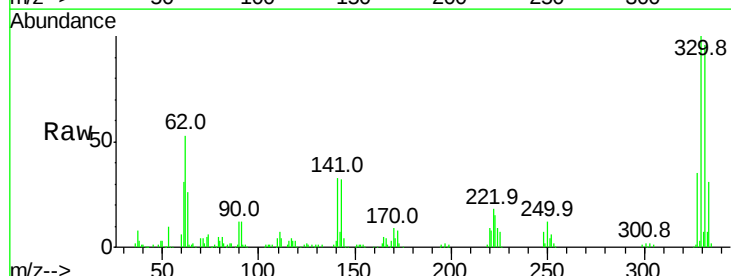


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

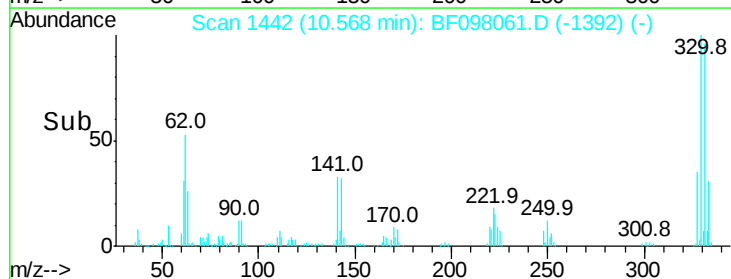
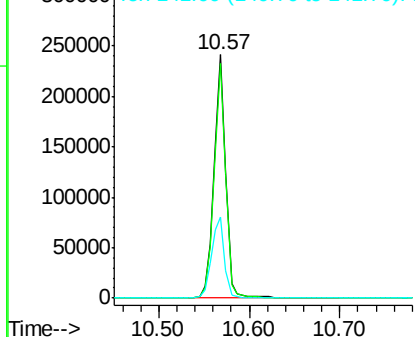


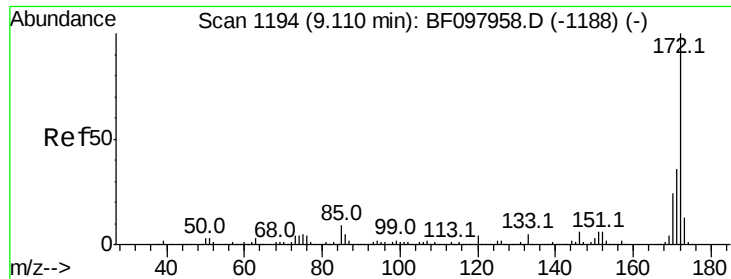
#41
 2,4,6-Tribromophenol
 Concen: 130.666 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF098061.D
 Acq: 28 Aug 2017 11:44

Tgt Ion:330 Resp: 218527
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 37.0 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

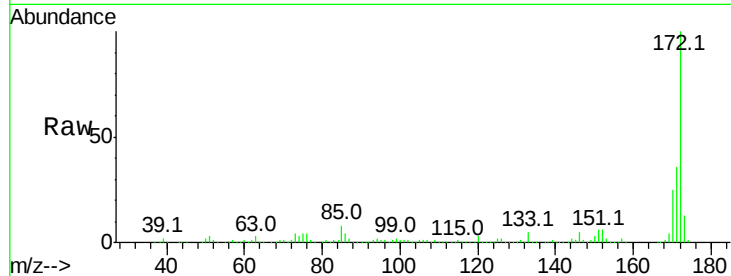




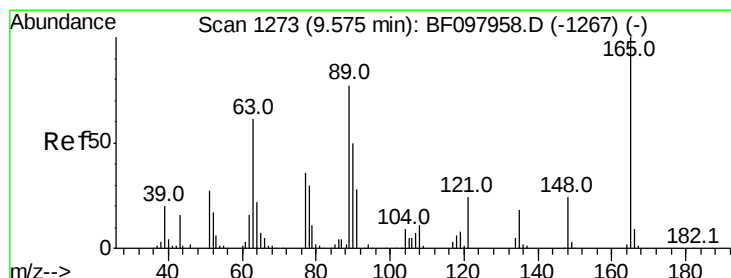
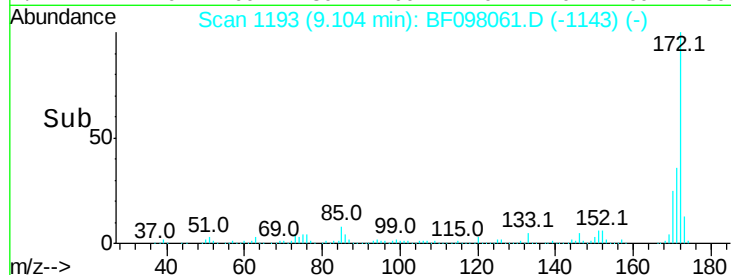
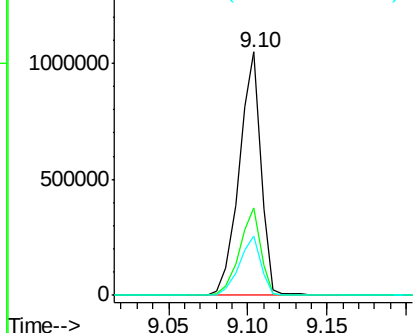
#44
 2-Fluorobiphenyl
 Concen: 75.813 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF098061.D
 Acq: 28 Aug 2017 11:44

Instrument :
 BNA_F
 ClientSampleId :
 ELIZABETH-RO-COMP-A

Tot Ion:172 Resp: 994611
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.5 19.8 29.8

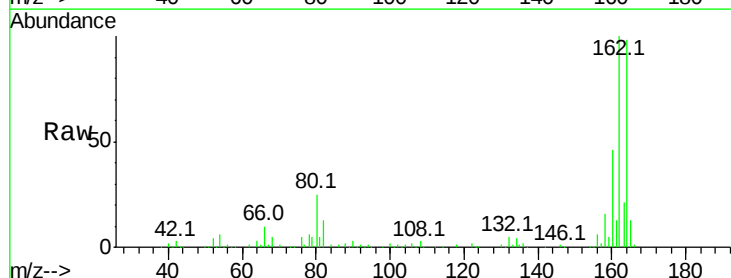


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

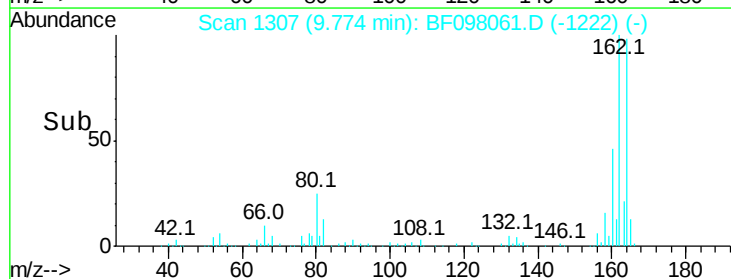
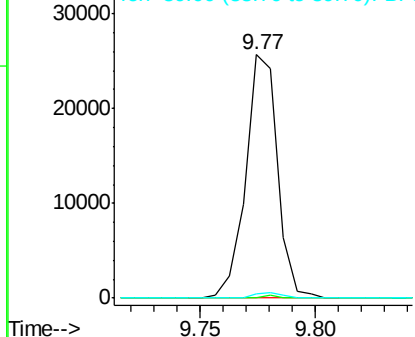


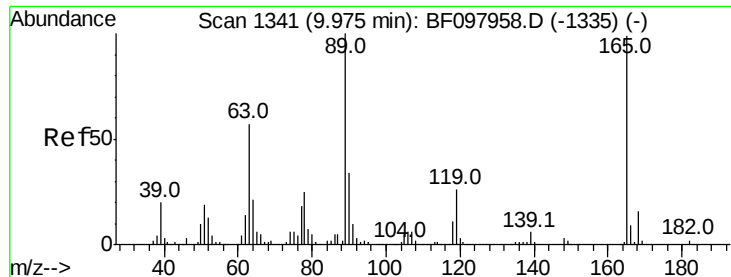
#50
 2,6-Dinitrotoluene
 Concen: 8.784 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.20 min
 Lab File: BF098061.D
 Acq: 28 Aug 2017 11:44

Tgt Ion:165 Resp: 24703
 Ion Ratio Lower Upper
 165 100
 63 0.0 34.3 51.5#
 89 1.7 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: 6.999 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.20 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-A

Tot Ion:165 Resp: 24703

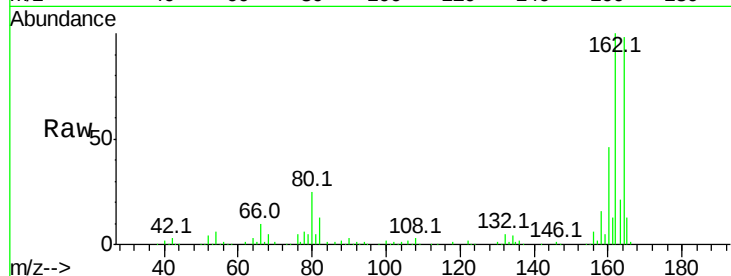
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

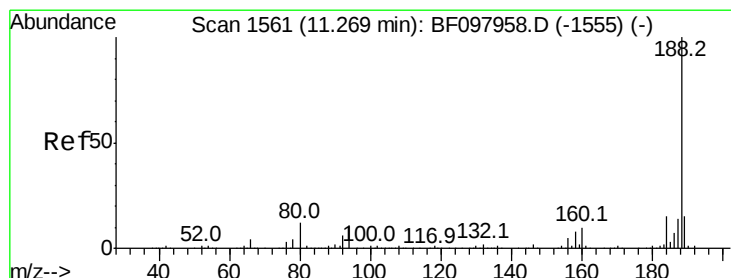
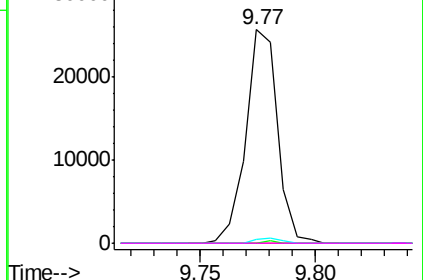
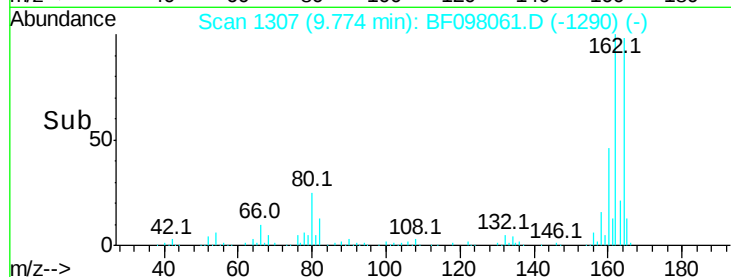


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

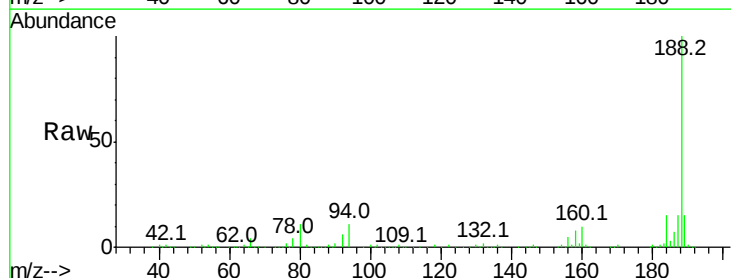
Tgt Ion:188 Resp: 383575

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

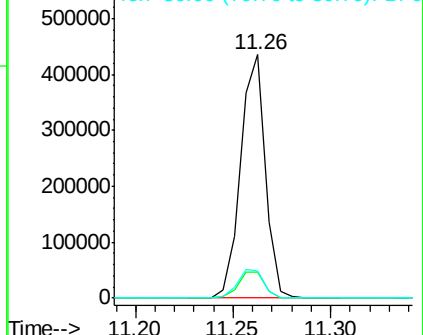
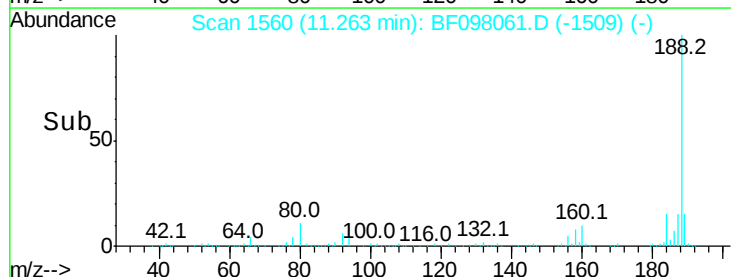
80 11.2 10.2 15.2

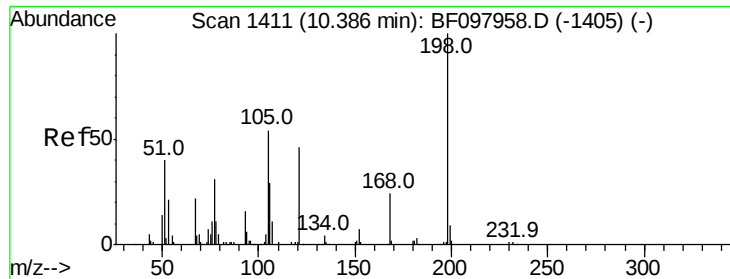


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.524 ng

RT: 10.57 min Scan# 1442

Delta R.T. 0.19 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-A

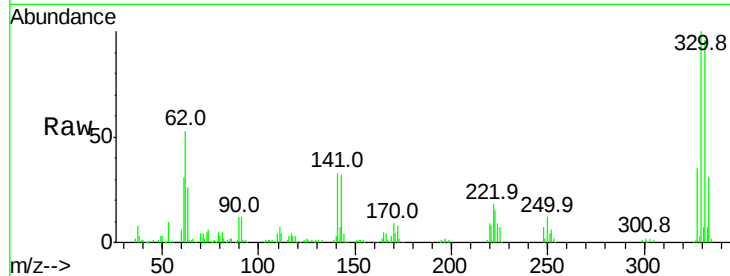
Tot Ion:198 Resp: 444

Ion Ratio Lower Upper

198 100

51 136.0 53.2 93.2#

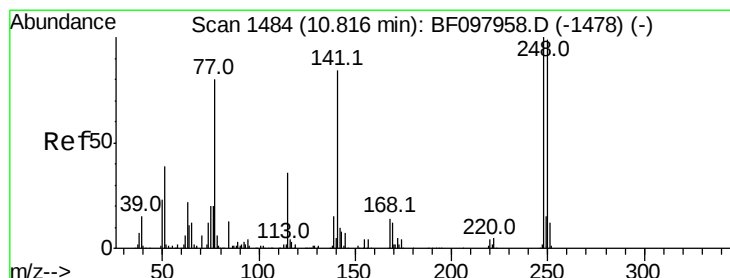
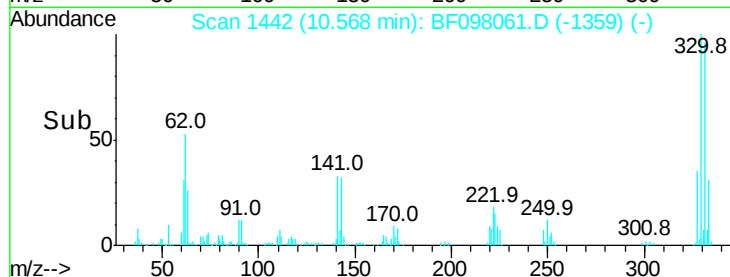
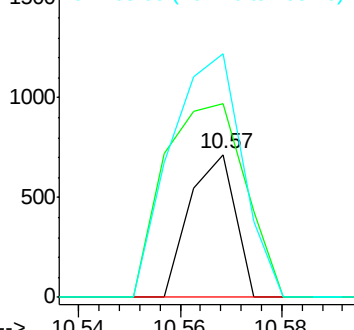
105 170.9 45.8 85.8#



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: 3.708 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.25 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

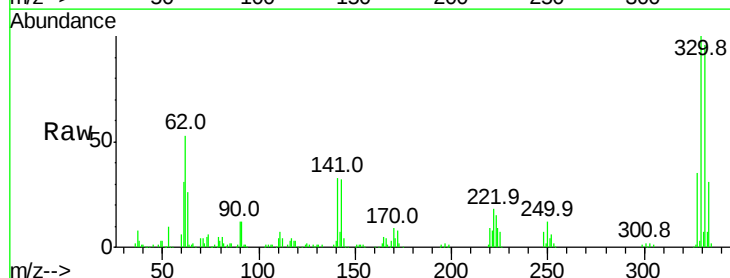
Tgt Ion:248 Resp: 14769

Ion Ratio Lower Upper

248 100

250 187.9 76.8 115.2#

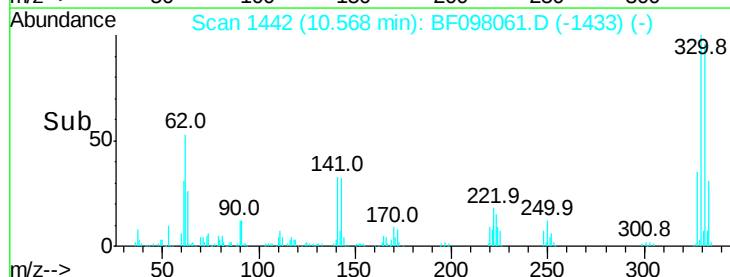
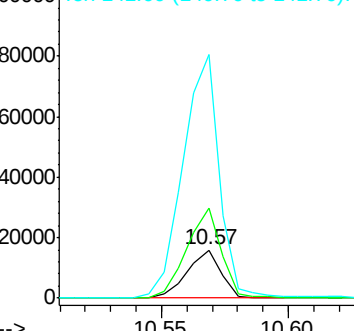
141 504.7 68.6 103.0#

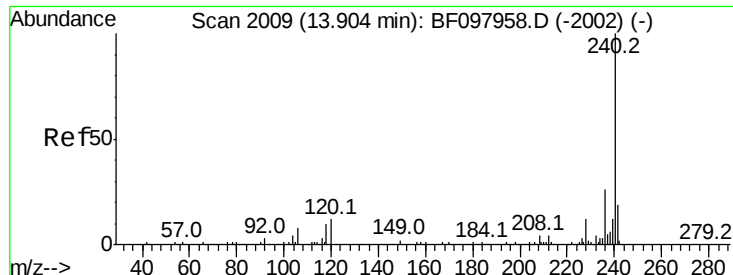


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

Instrument :

BNA_F

ClientSampleId :

ELIZABETH-RO-COMP-A

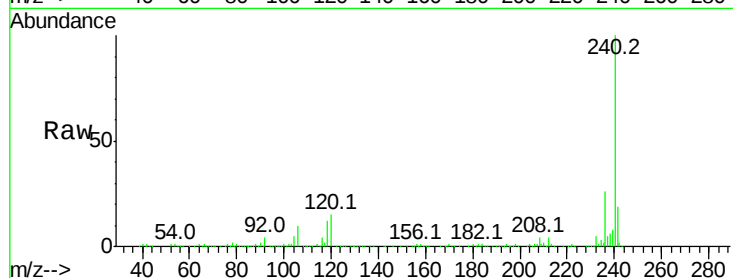
Tot Ion:240 Resp: 350922

Ion Ratio Lower Upper

240 100

120 15.0 5.8 8.8#

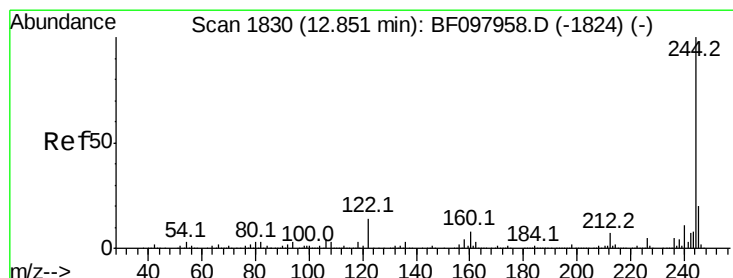
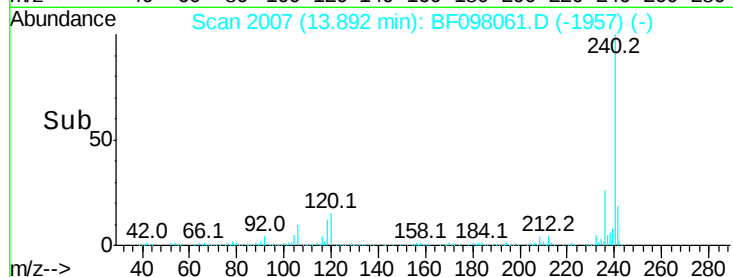
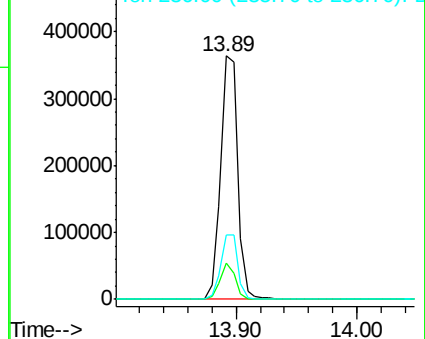
236 26.2 20.5 30.7



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: 57.878 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF098061.D

Acq: 28 Aug 2017 11:44

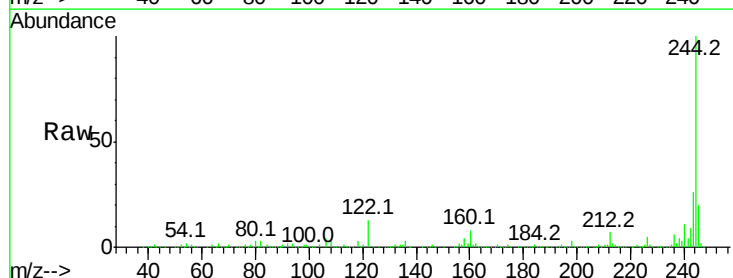
Tgt Ion:244 Resp: 973975

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

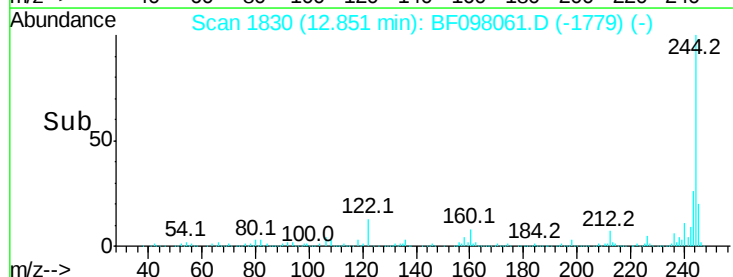
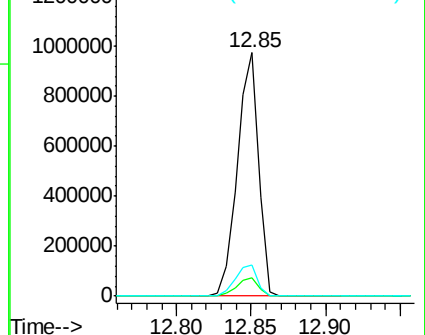
122 13.0 10.3 15.5

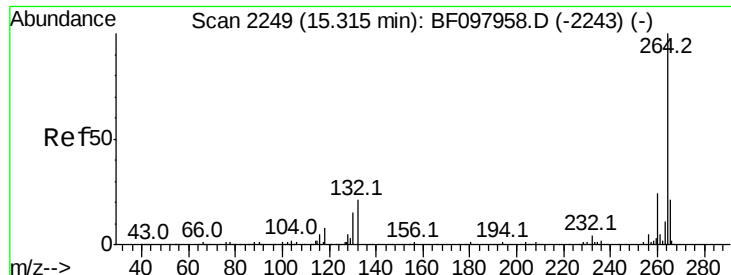


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



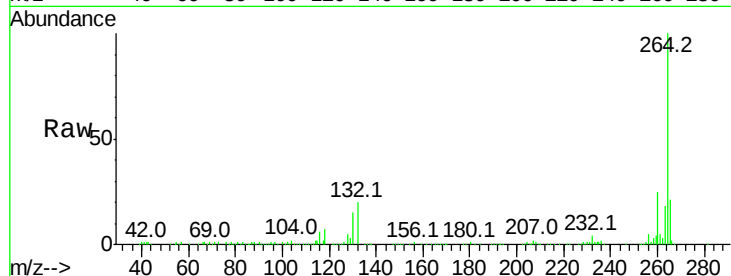


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098061.D
Acq: 28 Aug 2017 11:44

Instrument :
BNA_F
ClientSampleId :
ELIZABETH-RO-COMP-A

Tot Ion:264 Resp: 256513

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.4	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

