

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110918\
 Data File : BG037924.D
 Acq On : 9 Nov 2018 17:21
 Operator : JU/SJ
 Sample : J5860-23
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-110(24-28)

Quant Time: Nov 12 06:09:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

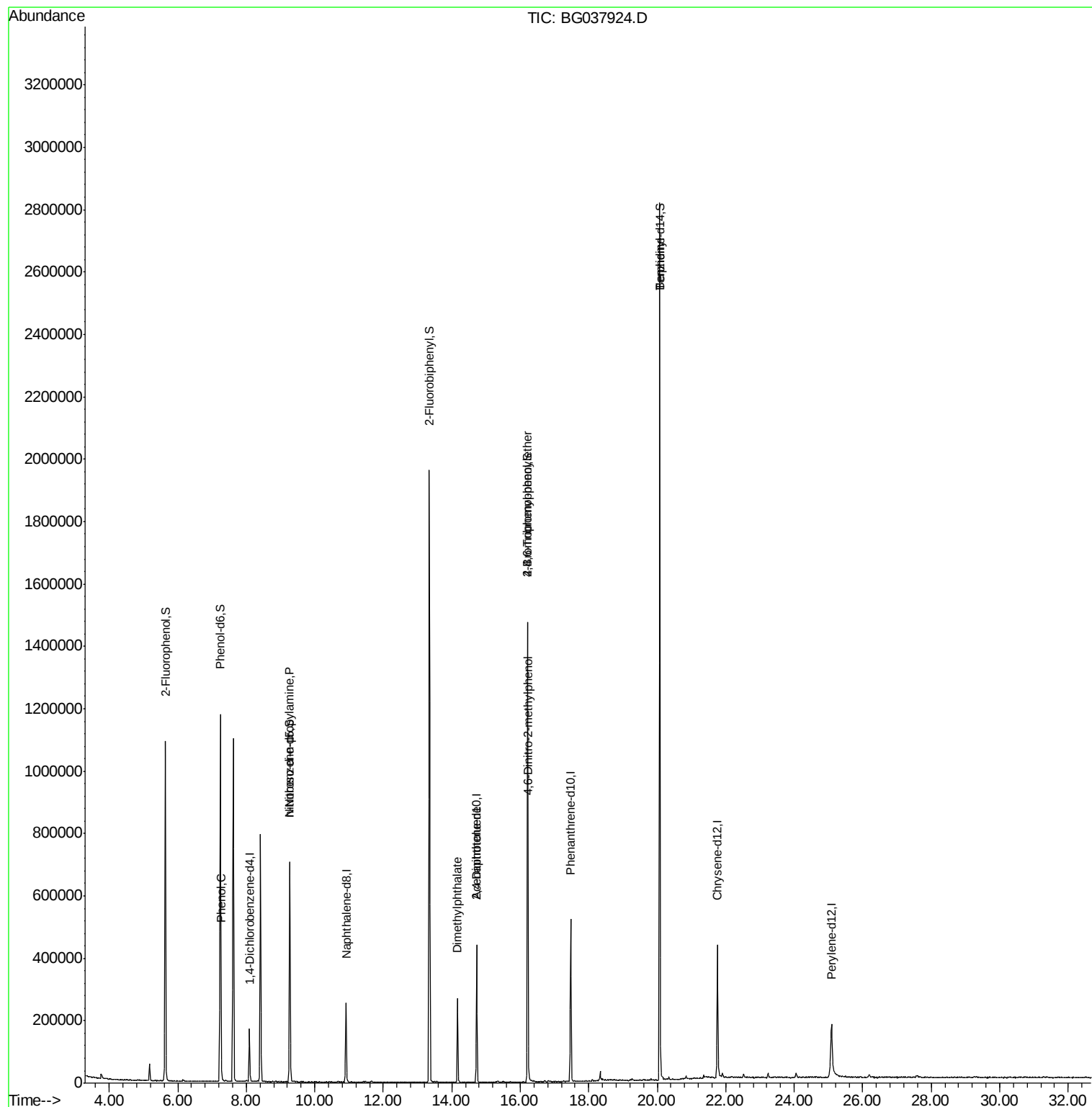
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	51178	20.00	ng	-0.02
21) Naphthalene-d8	10.91	136	234957	20.00	ng	-0.02
39) Acenaphthene-d10	14.73	164	155290	20.00	ng	-0.02
64) Phenanthrene-d10	17.47	188	342853	20.00	ng	-0.02
76) Chrysene-d12	21.75	240	298577	20.00	ng	-0.02
87) Perylene-d12	25.09	264	256884	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	496213	162.10	ng	0.00
7) Phenol-d6	7.24	99	741592	160.21	ng	0.00
23) Nitrobenzene-d5	9.27	82	447214	106.63	ng	-0.02
42) 2,4,6-Tribromophenol	16.21	330	271359	160.21	ng	-0.02
45) 2-Fluorobiphenyl	13.35	172	1041652	101.15	ng	-0.02
79) Terphenyl-d14	20.07	244	1411105	100.99	ng	-0.02
Target Compounds						
10) Phenol	7.27	94	49614	10.159	ng	Qvalue 93
19) n-Nitroso-di-n-propylamine	9.27	70	57182	17.940	ng	# 70
50) Dimethylphthalate	14.17	163	190877	15.889	ng	99
57) 2,4-Dinitrotoluene	14.72	165	20403	5.849	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.23	198	1138	9.028	ng	83
67) 4-Bromophenyl-phenylether	16.21	248	19622	5.212	ng	# 1
77) Benzidine	20.07	184	22912	2.257	ng	# 94

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

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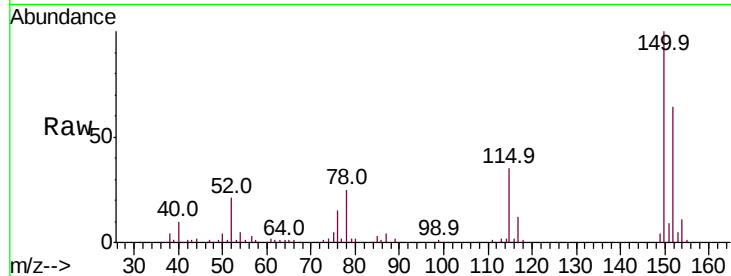


#1

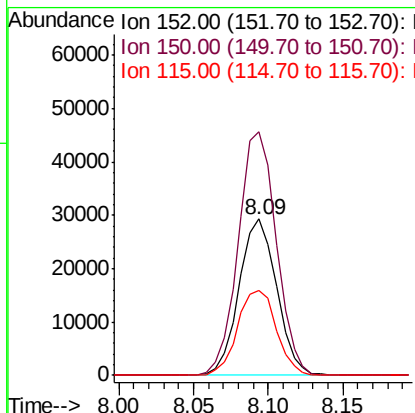
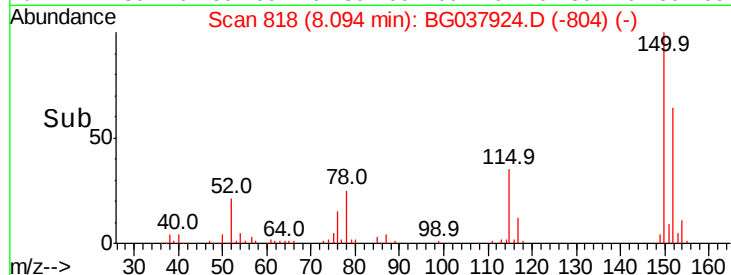
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.02 min
Lab File: BG037924.D
Acq: 9 Nov 2018 17:21

Instrument :
BNA_G
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion:152 Resp: 51178
Ion Ratio Lower Upper
152 100
150 155.9 126.0 189.0
115 54.3 45.5 68.3



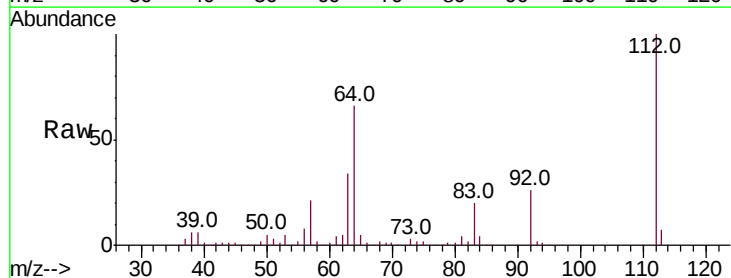
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



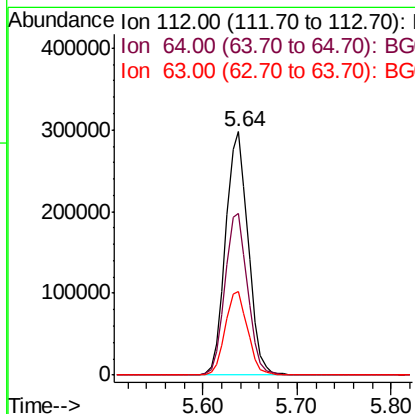
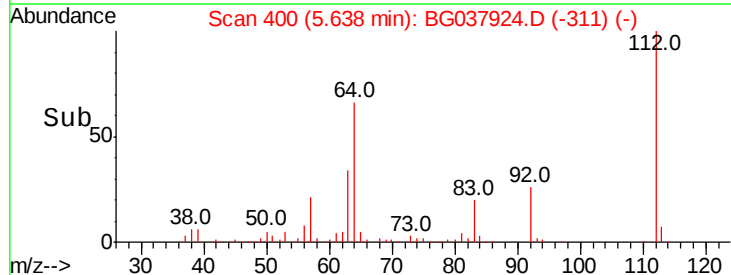
#5

2-Fluorophenol
Concen: 162.100 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037924.D
Acq: 9 Nov 2018 17:21

Tgt Ion:112 Resp: 496213
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 34.3 27.3 40.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 160.211 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

Instrument :

BNA_G

ClientSampleId :

EP2-SB-110(24-28)

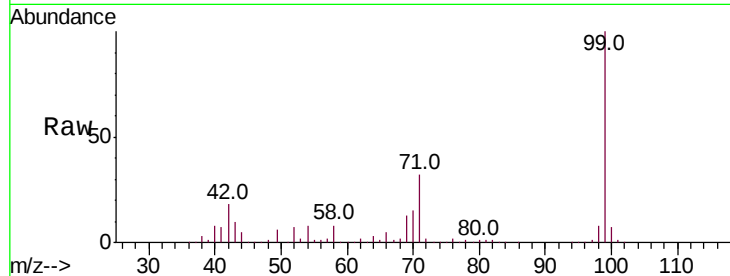
Tot Ion: 99 Resp: 741592

Ion Ratio Lower Upper

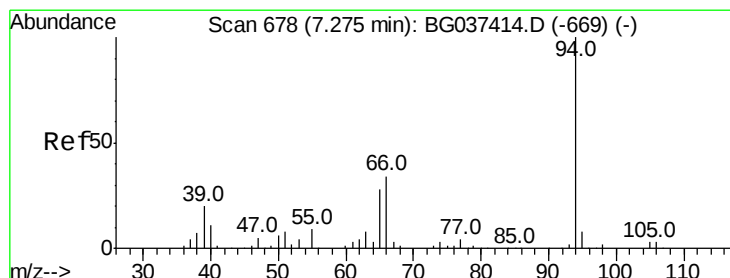
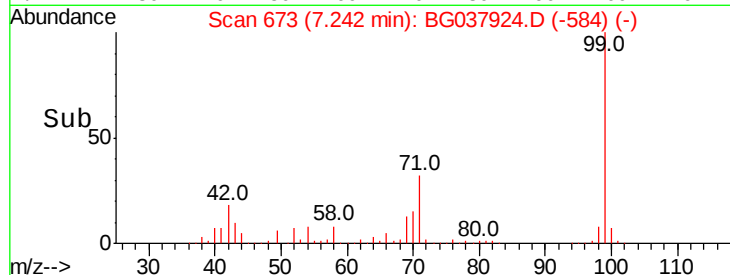
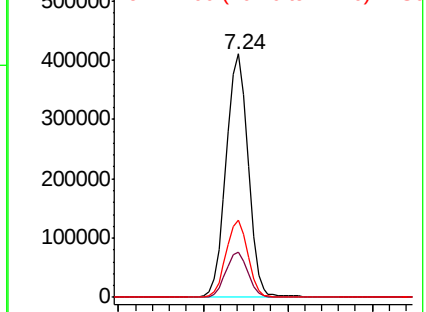
99 100

42 18.5 15.0 22.4

71 31.5 25.5 38.3



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 10.159 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

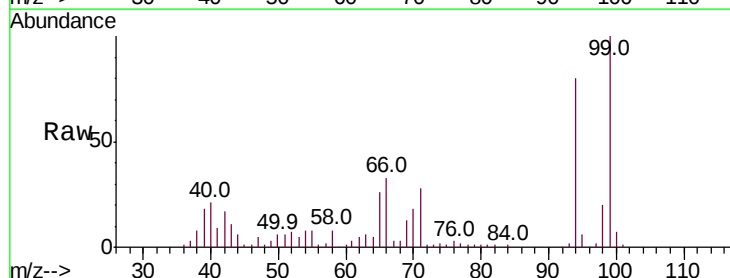
Tgt Ion: 94 Resp: 49614

Ion Ratio Lower Upper

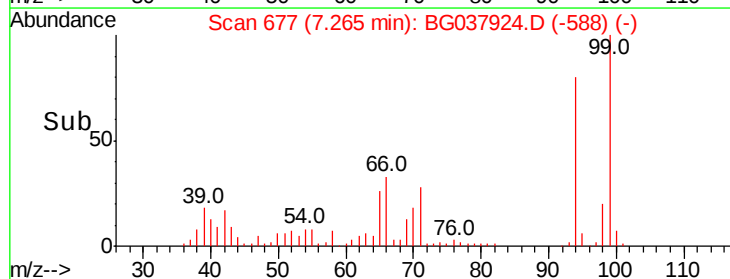
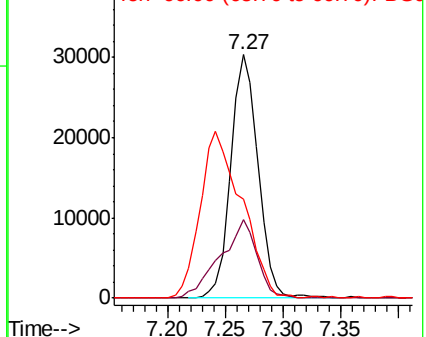
94 100

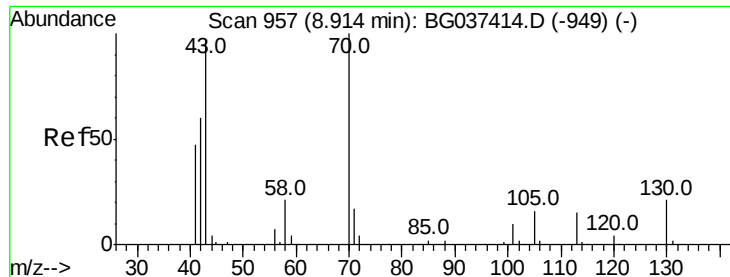
65 32.4 9.7 49.7

66 40.9 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

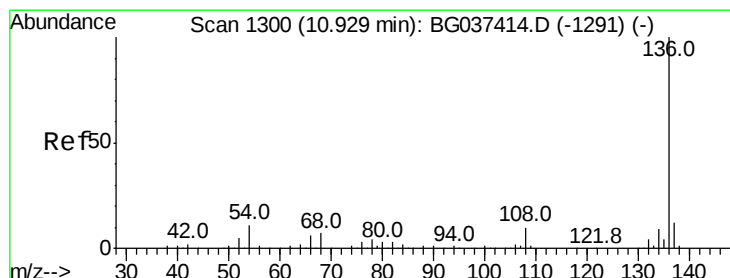
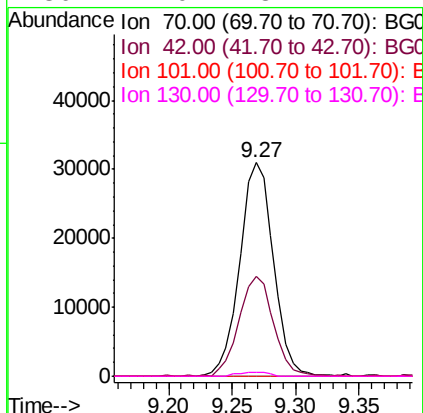
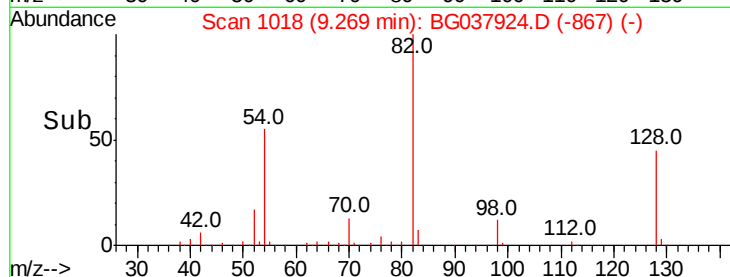
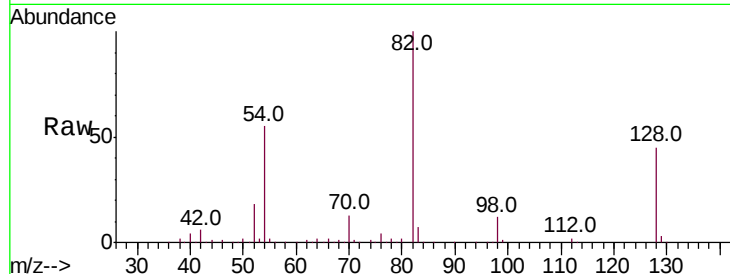




#19
n-Nitroso-di-n-propylamine
Concen: 17.940 ng
RT: 9.27 min Scan# 1018
Delta R.T. 0.35 min
Lab File: BG037924.D
Acq: 9 Nov 2018 17:21

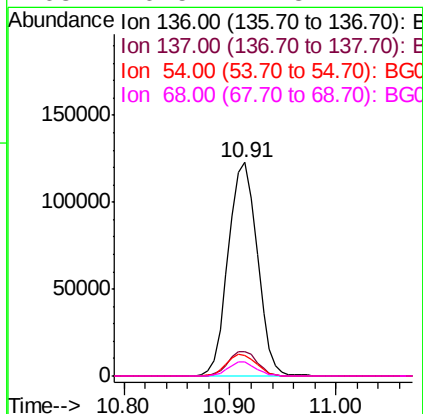
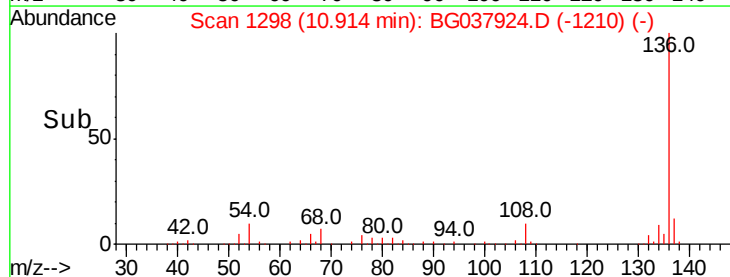
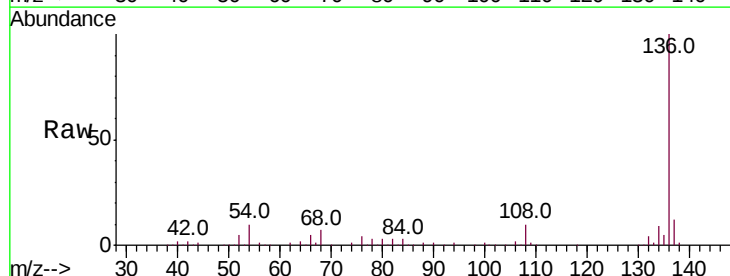
Instrument :
BNA_G
ClientSampleId :
EP2-SB-110(24-28)

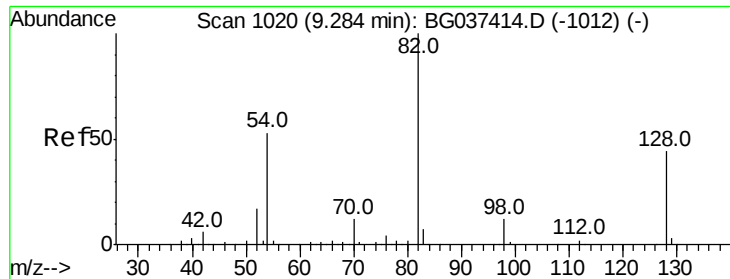
Tot Ion: 70 Resp: 57182
Ion Ratio Lower Upper
70 100
42 46.7 53.9 80.9#
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BG037924.D
Acq: 9 Nov 2018 17:21

Tgt Ion: 136 Resp: 234957
Ion Ratio Lower Upper
136 100
137 11.6 9.6 14.4
54 9.6 7.9 11.9
68 6.5 4.8 7.2

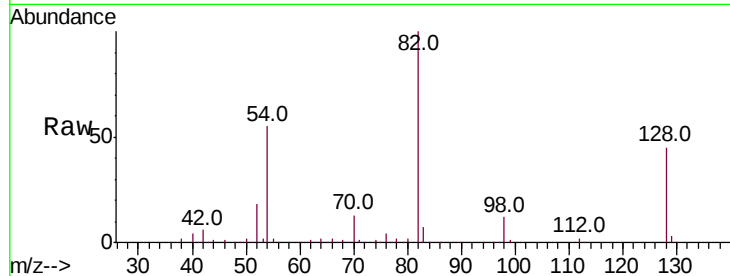




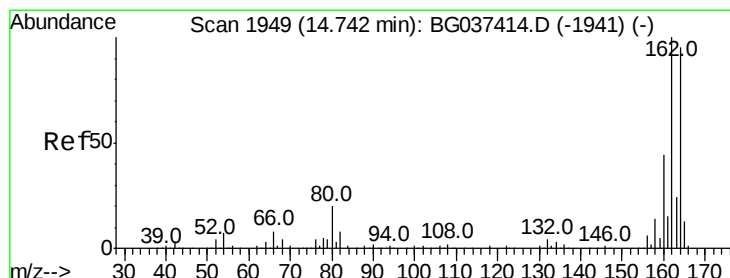
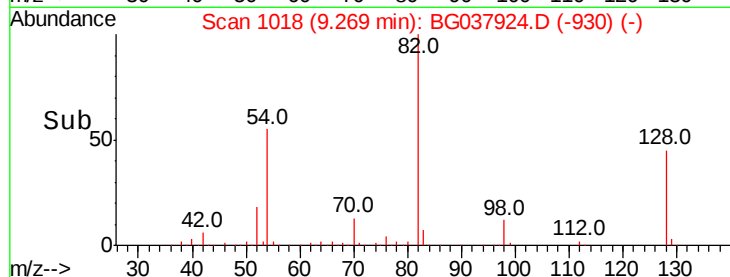
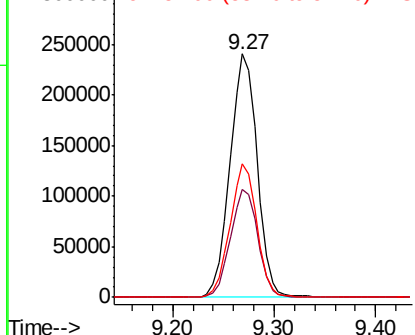
#23
Nitrobenzene-d5
Concen: 106.626 ng
RT: 9.27 min Scan# 1018
Delta R.T. -0.02 min
Lab File: BG037924.D
Acq: 9 Nov 2018 17:21

Instrument :
BNA_G
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion: 82 Resp: 447214
Ion Ratio Lower Upper
82 100
128 44.5 34.6 51.8
54 54.7 45.3 67.9

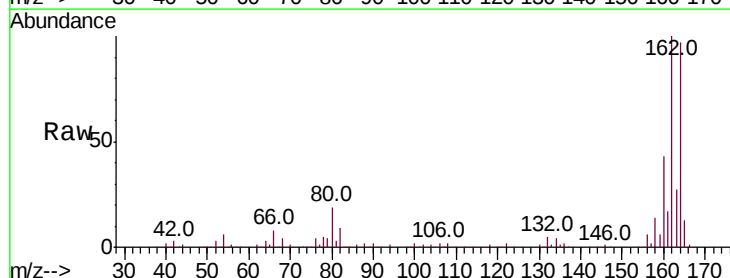


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

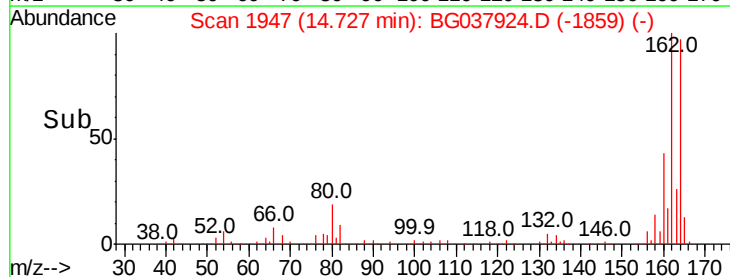
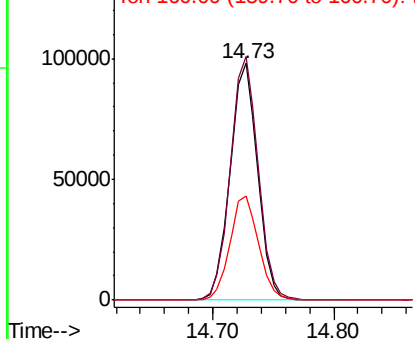


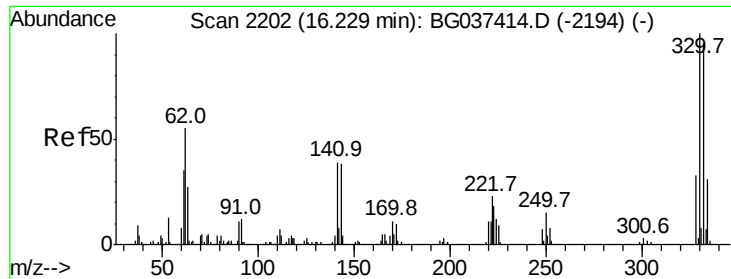
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1947
Delta R.T. -0.02 min
Lab File: BG037924.D
Acq: 9 Nov 2018 17:21

Tgt Ion:164 Resp: 155290
Ion Ratio Lower Upper
164 100
162 102.7 81.3 121.9
160 43.9 36.3 54.5



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

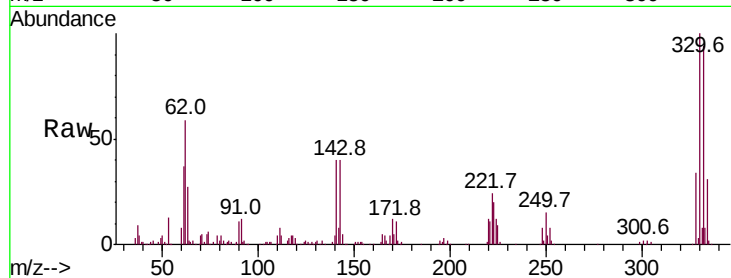




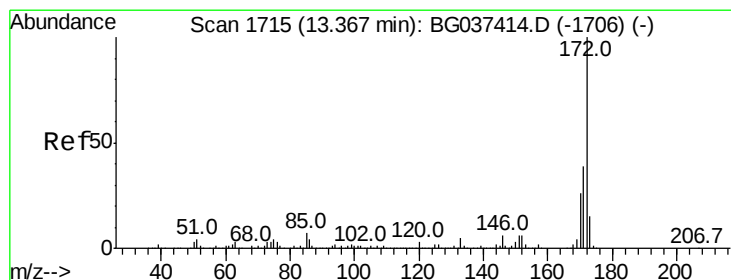
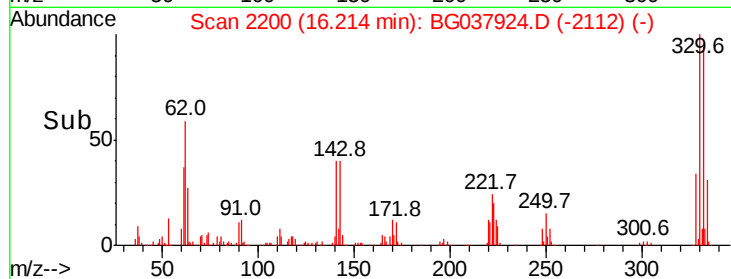
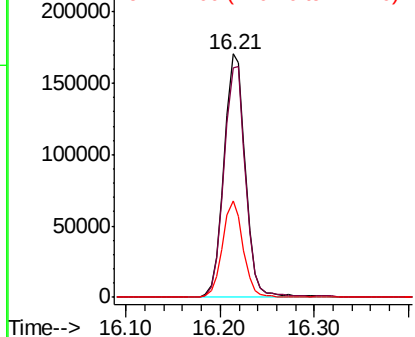
#42
 2,4,6-Tribromophenol
 Concen: 160.214 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.02 min
 Lab File: BG037924.D
 Acq: 9 Nov 2018 17:21

Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-110(24-28)

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.4	117.6
141	38.3	32.2	48.2

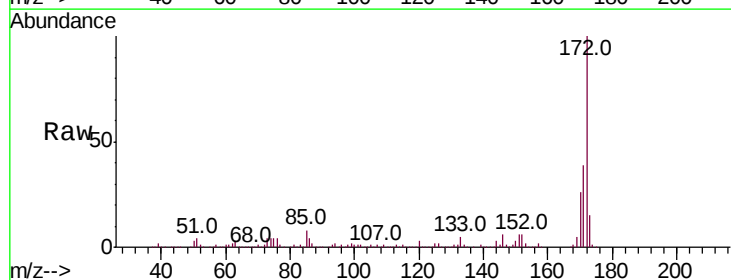


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

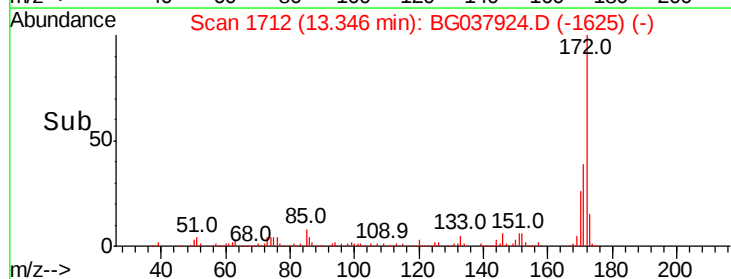
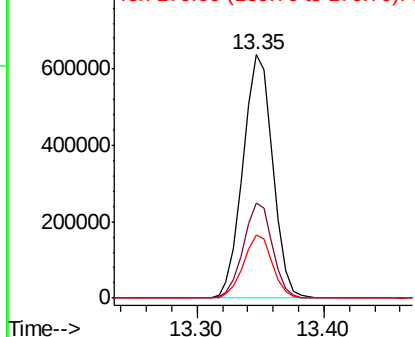


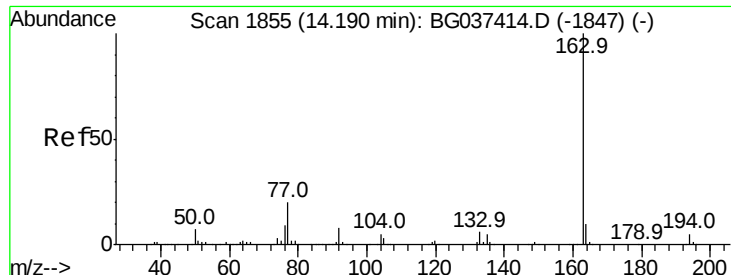
#45
 2-Fluorobiphenyl
 Concen: 101.150 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG037924.D
 Acq: 9 Nov 2018 17:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.8	31.0	46.4
170	26.0	20.2	30.2



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

Dimethylphthalate

Concen: 15.889 ng

RT: 14.17 min Scan# 1852

Delta R.T. -0.02 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

Instrument :

BNA_G

ClientSampleId :

EP2-SB-110(24-28)

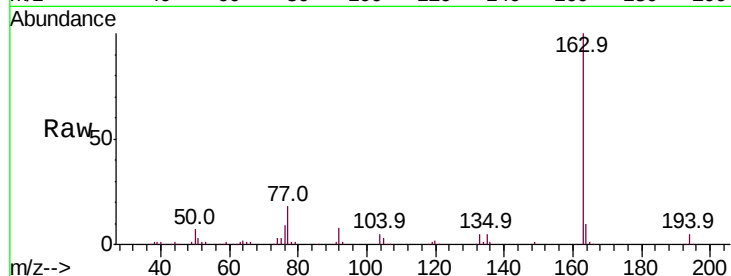
Tot Ion:163 Resp: 190877

Ion Ratio Lower Upper

163 100

194 4.9 3.5 5.3

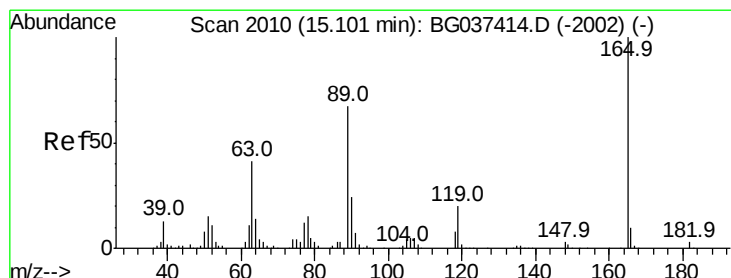
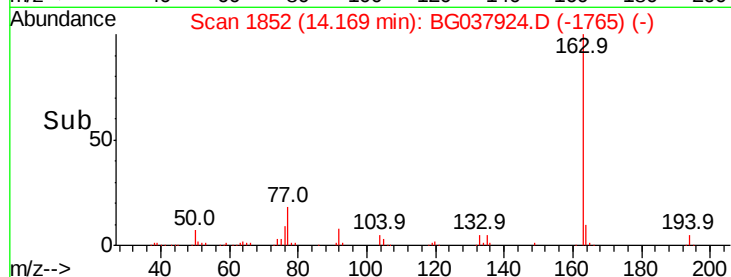
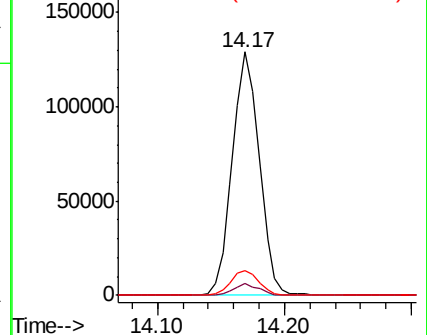
164 10.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.849 ng

RT: 14.72 min Scan# 1946

Delta R.T. -0.38 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

Tgt Ion:165 Resp: 20403

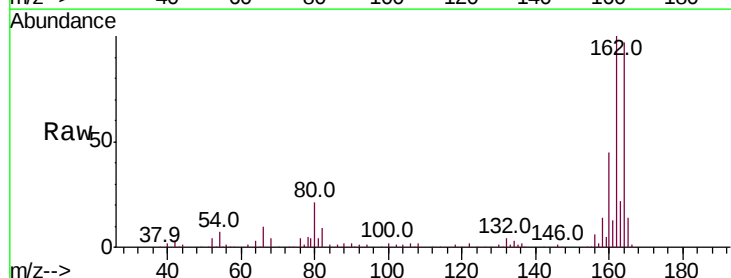
Ion Ratio Lower Upper

165 100

63 0.0 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

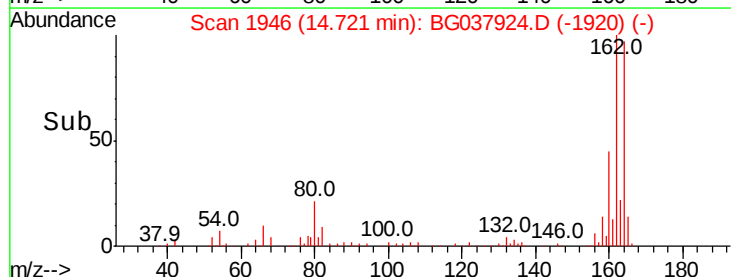
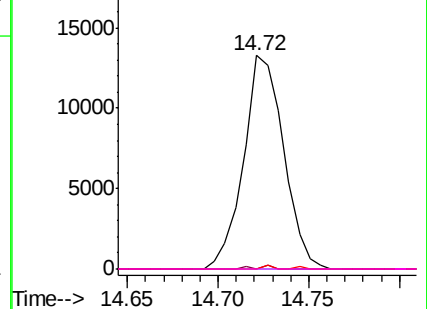


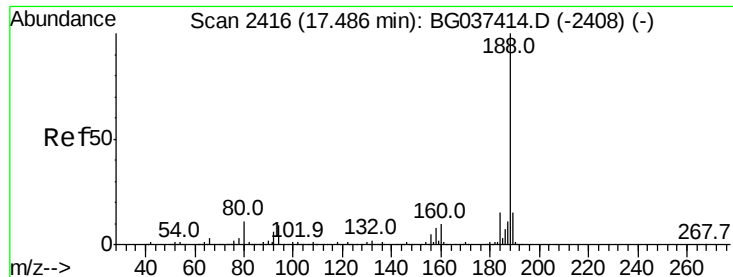
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

Delta R.T. -0.02 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

Instrument :

BNA_G

ClientSampleId :

EP2-SB-110(24-28)

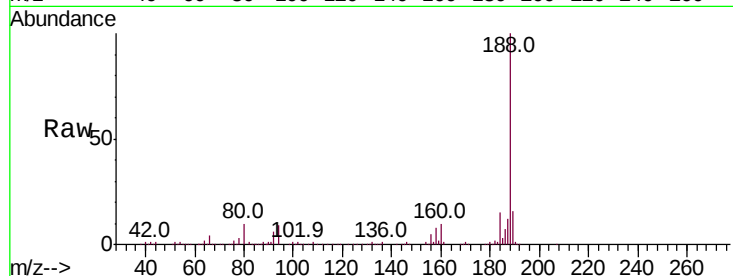
Tot Ion:188 Resp: 342853

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

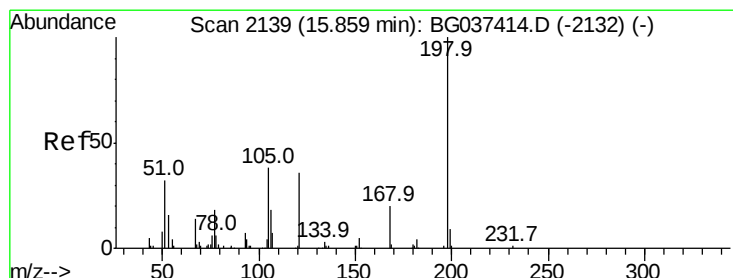
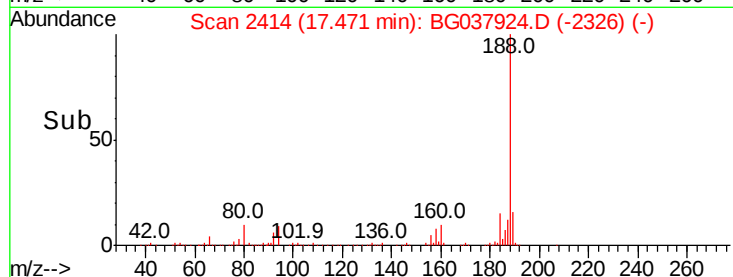
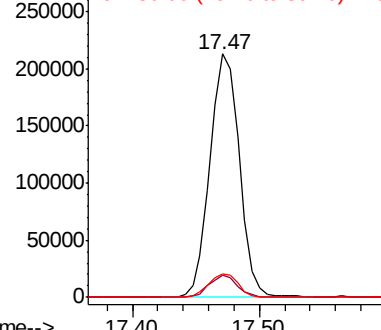
80 9.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 9.028 ng

RT: 16.23 min Scan# 2203

Delta R.T. 0.37 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

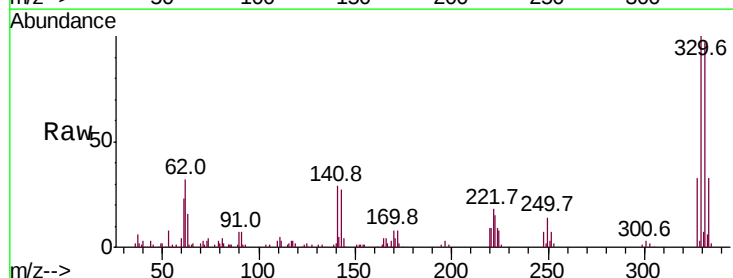
Tgt Ion:198 Resp: 1138

Ion Ratio Lower Upper

198 100

51 28.2 22.7 62.7

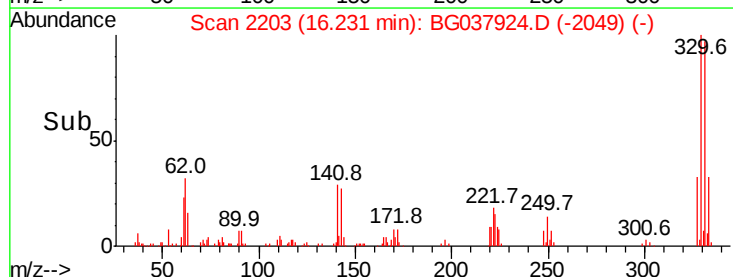
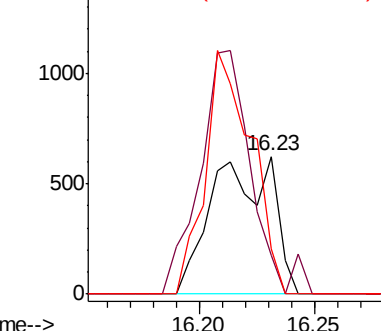
105 33.0 19.7 59.7

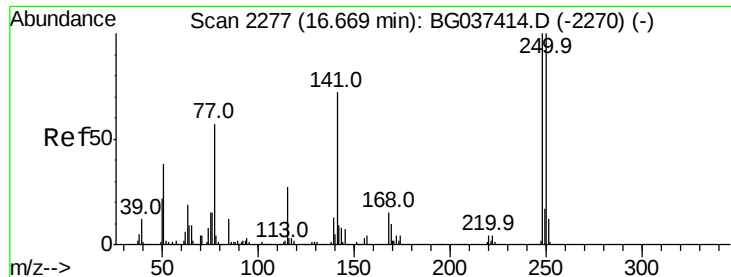


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

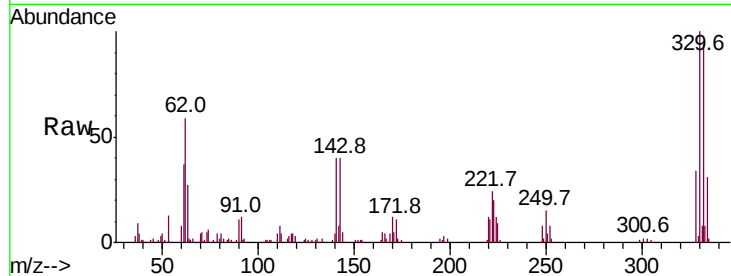




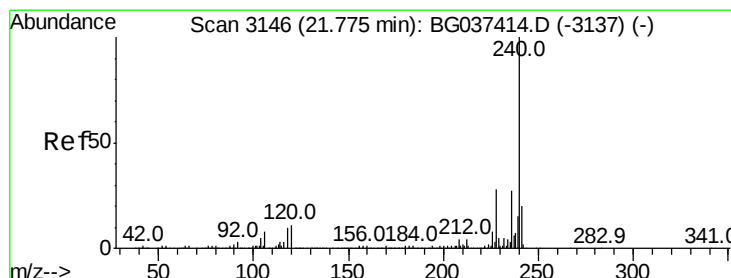
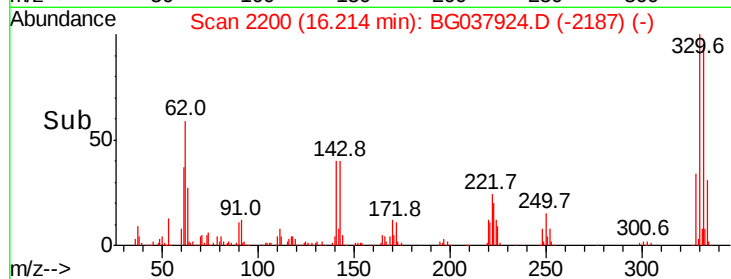
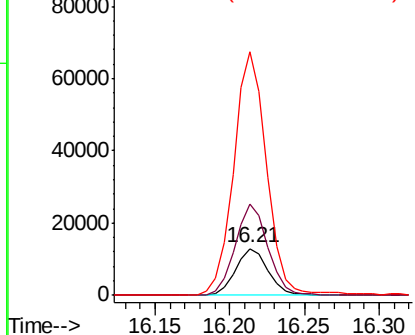
#67
 4-Bromophenyl-phenylether
 Concen: 5.212 ng
 RT: 16.21 min Scan# 2200
 Delta R.T. -0.46 min
 Lab File: BG037924.D
 Acq: 9 Nov 2018 17:21

Instrument :
 BNA_G
 ClientSampleId :
 EP2-SB-110(24-28)

Tot Ion:248 Resp: 19622
 Ion Ratio Lower Upper
 248 100
 250 195.6 77.0 115.6#
 141 405.5 55.5 83.3#

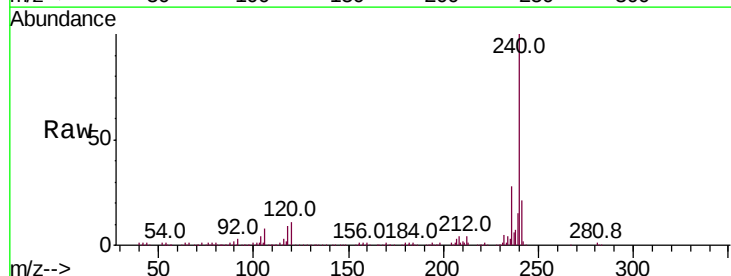


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

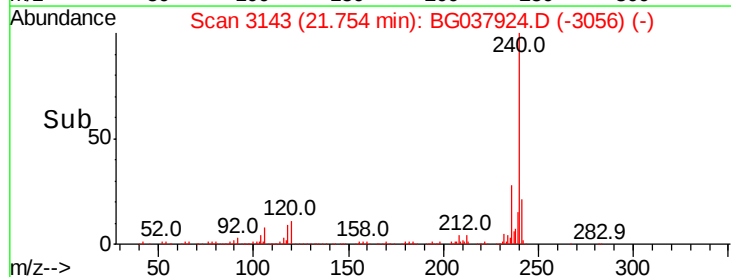
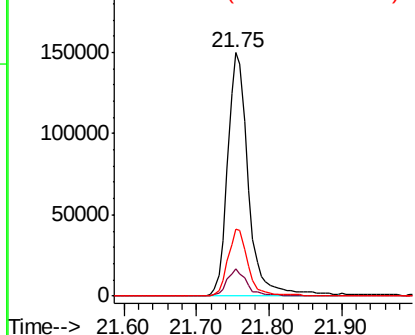


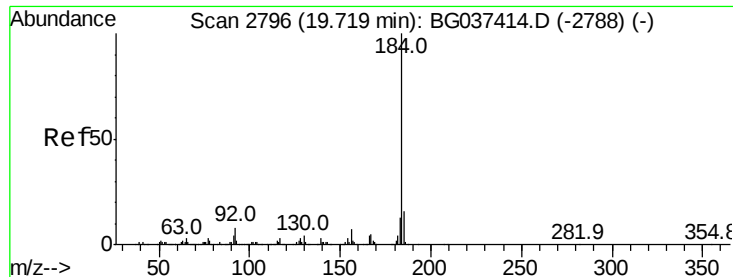
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3143
 Delta R.T. -0.02 min
 Lab File: BG037924.D
 Acq: 9 Nov 2018 17:21

Tgt Ion:240 Resp: 298577
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.1 12.1
 236 27.6 21.4 32.0



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





#77

Benzidine

Concen: 2.257 ng

RT: 20.07 min Scan# 2857

Delta R.T. 0.35 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

Instrument :

BNA_G

ClientSampleId :

EP2-SB-110(24-28)

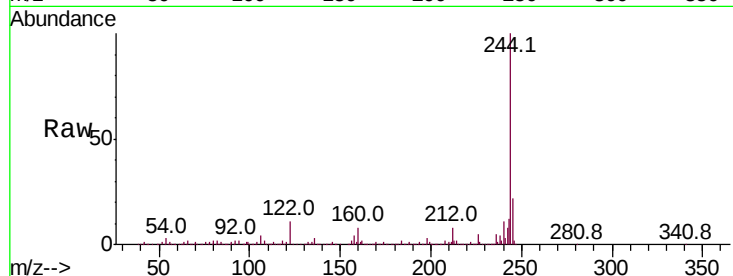
Tot Ion:184 Resp: 22912

Ion Ratio Lower Upper

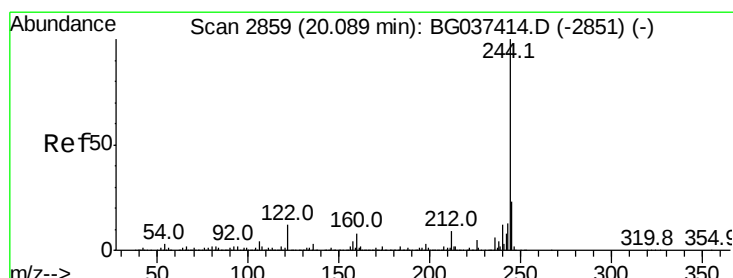
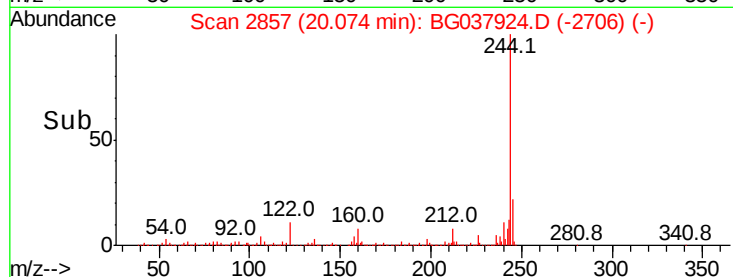
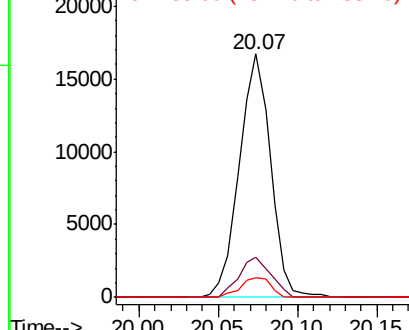
184 100

185 16.4 12.6 18.8

183 8.2 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 100.986 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.02 min

Lab File: BG037924.D

Acq: 9 Nov 2018 17:21

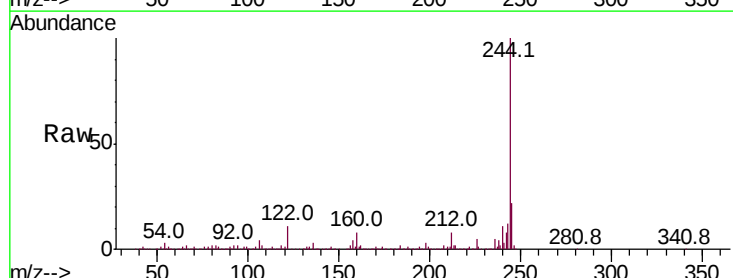
Tgt Ion:244 Resp: 1411105

Ion Ratio Lower Upper

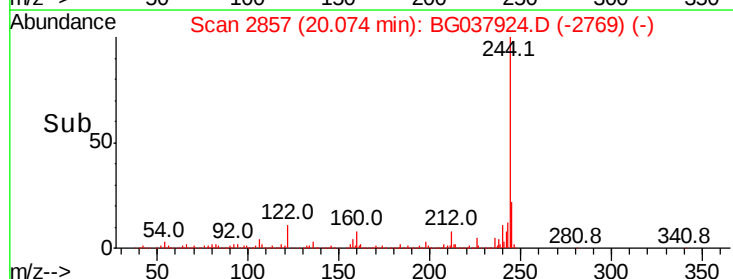
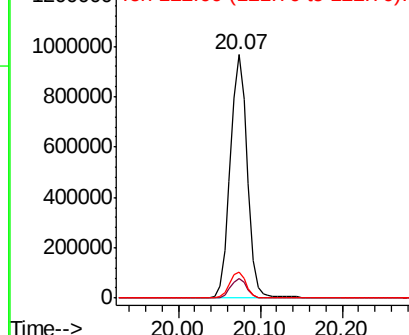
244 100

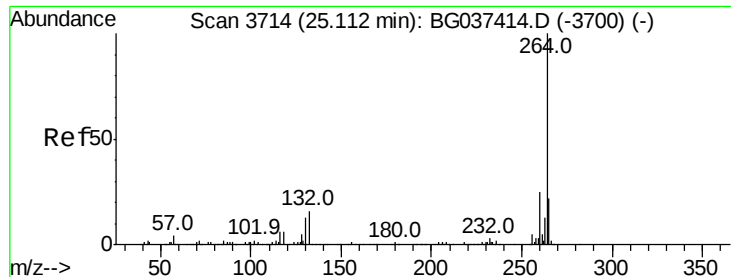
212 8.2 6.5 9.7

122 10.8 9.0 13.4



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

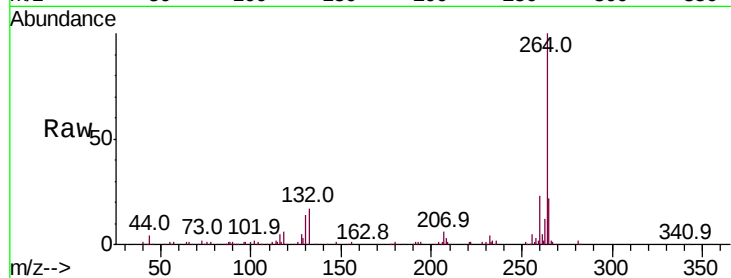




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3710
Delta R.T. -0.03 min
Lab File: BG037924.D
Acq: 9 Nov 2018 17:21

Instrument :
BNA_G
ClientSampleId :
EP2-SB-110(24-28)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.2	27.4
265	22.1	17.9	26.9



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

