

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038275.D
 Acq On : 1 Dec 2018 3:13
 Operator : JU/SJ
 Sample : J5771-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-112918-B

Quant Time: Dec 01 04:35:55 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

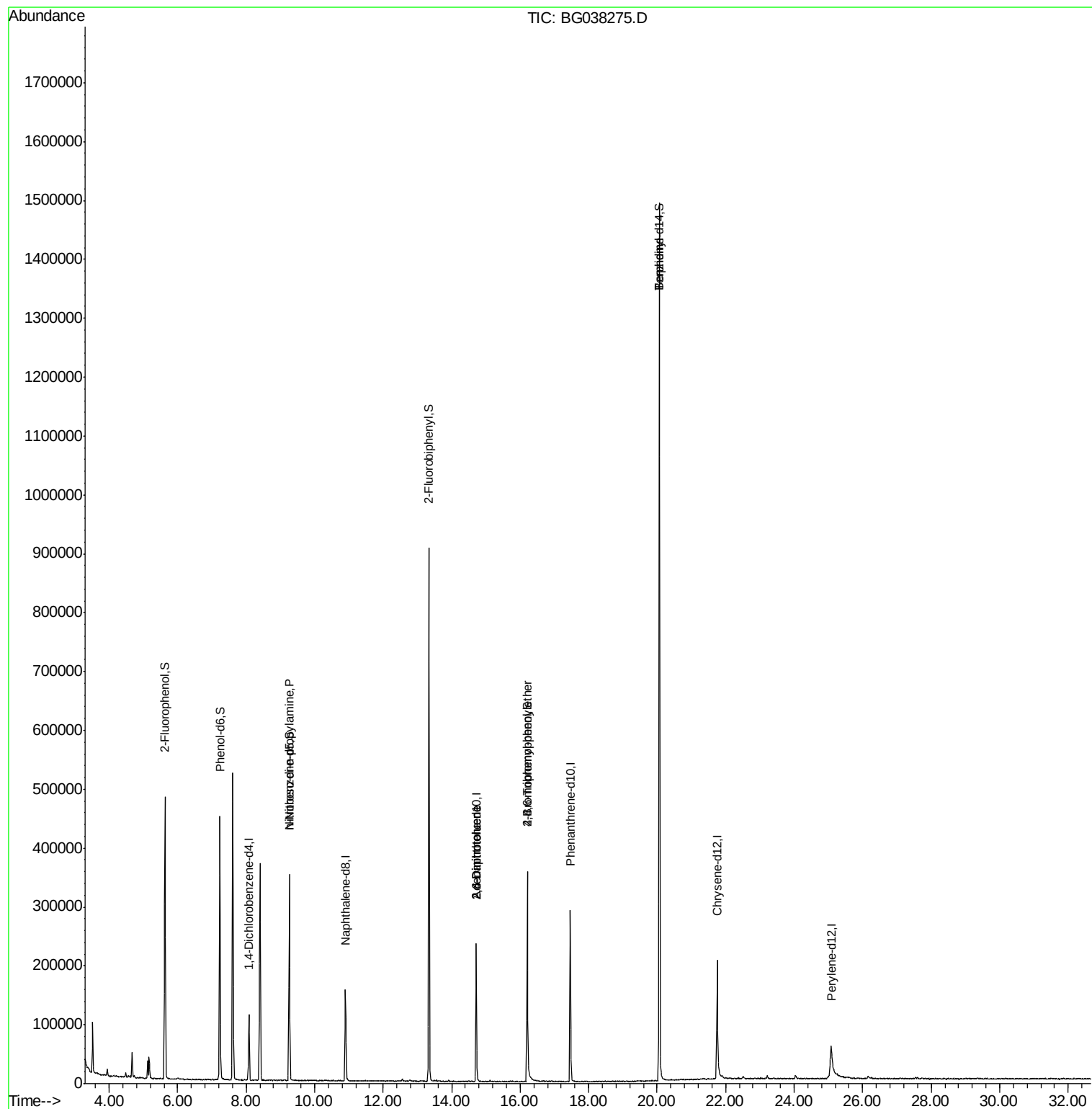
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	31638	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	137169	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	84629	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	188144	20.00	ng	0.00
76) Chrysene-d12	21.75	240	173394	20.00	ng	0.00
87) Perylene-d12	25.08	264	116774	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	210402	114.82	ng	0.00
7) Phenol-d6	7.23	99	268739	102.74	ng	0.00
23) Nitrobenzene-d5	9.26	82	220838	86.18	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	79775	82.65	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	482366	83.04	ng	0.00
79) Terphenyl-d14	20.06	244	753713	102.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	28621	15.122	ng	# 75
51) 2,6-Dinitrotoluene	14.71	165	11123	7.325	ng	# 23
57) 2,4-Dinitrotoluene	14.71	165	11123	5.384	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	4917	2.381	ng	# 1
77) Benzidine	20.06	184	12776	2.100	ng	# 95

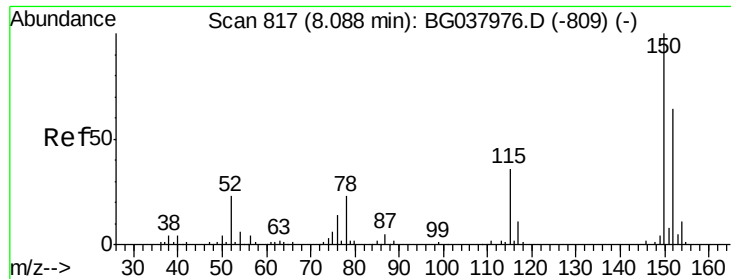
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.08 min Scan# 815

Delta R.T. -0.01 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-B

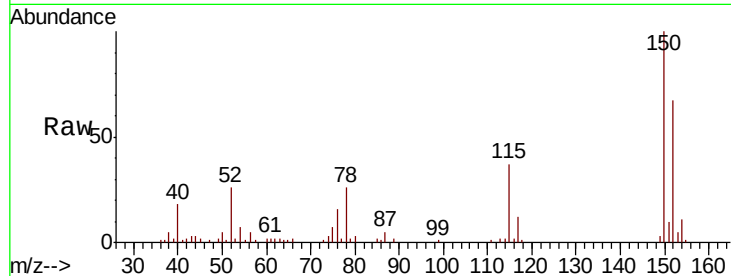
Tot Ion:152 Resp: 31638

Ion Ratio Lower Upper

152 100

150 149.7 126.0 189.0

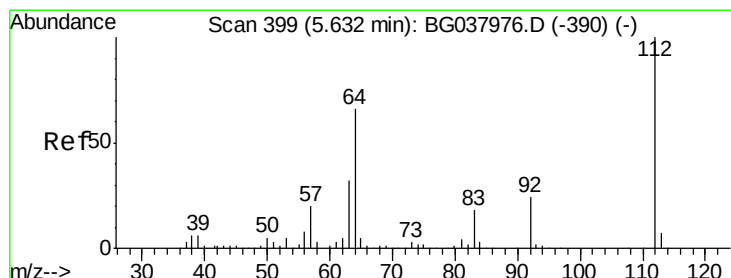
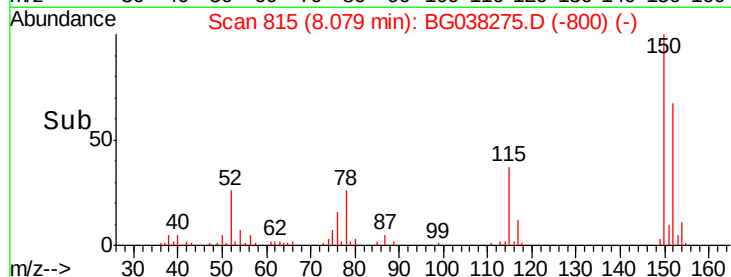
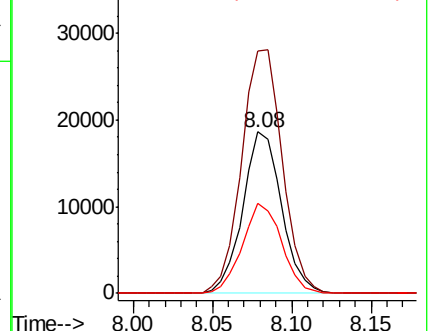
115 55.8 45.5 68.3



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: 114.822 ng

RT: 5.63 min Scan# 398

Delta R.T. -0.00 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

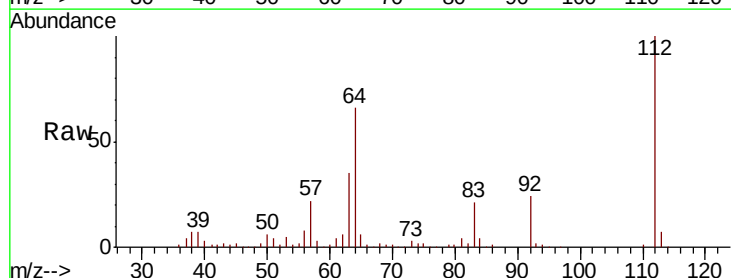
Tgt Ion:112 Resp: 210402

Ion Ratio Lower Upper

112 100

64 66.0 53.1 79.7

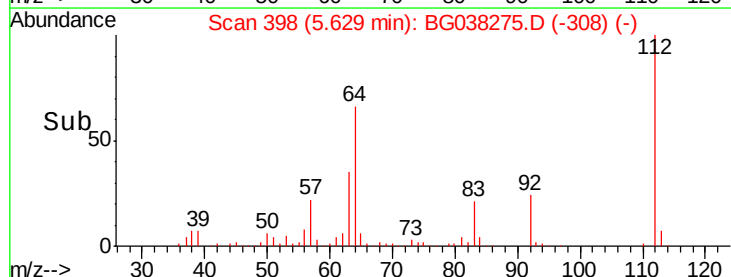
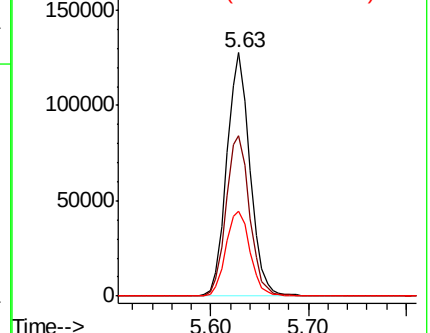
63 35.0 27.3 40.9

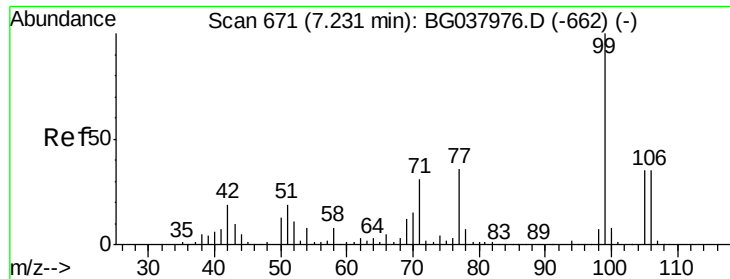


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 102.742 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-B

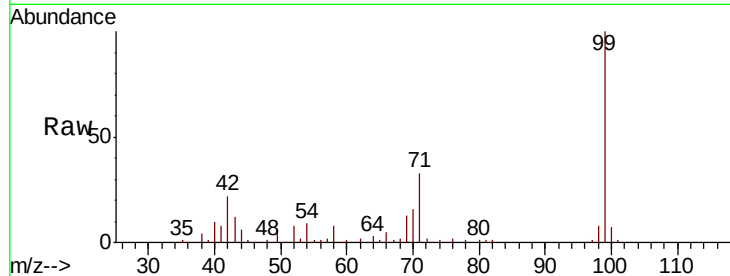
Tot Ion: 99 Resp: 268739

Ion Ratio Lower Upper

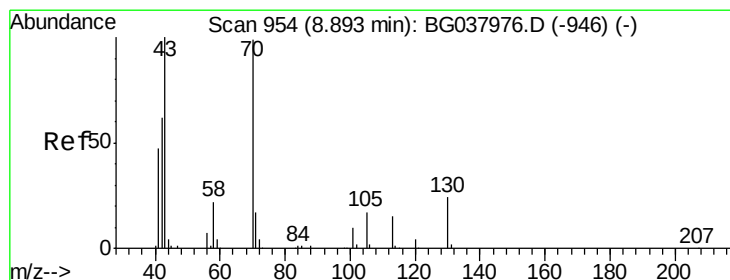
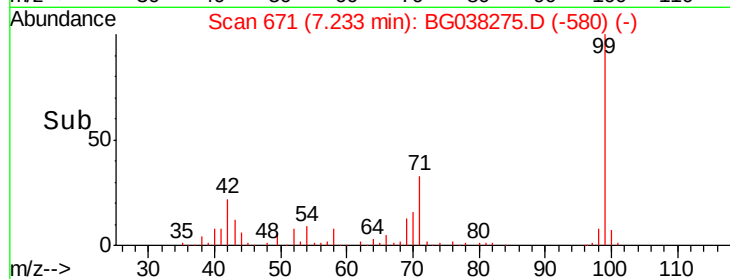
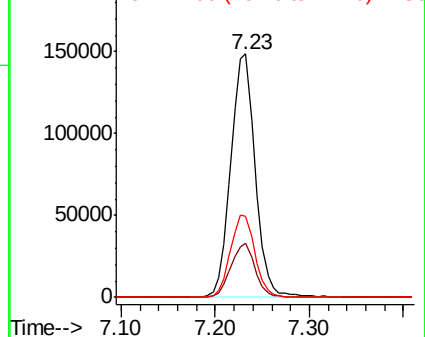
99 100

42 22.0 15.0 22.4

71 33.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.122 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

Tgt Ion: 70 Resp: 28621

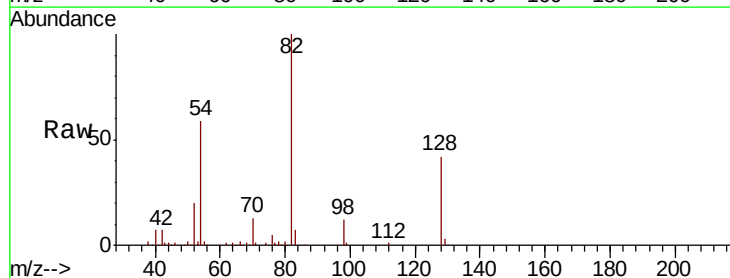
Ion Ratio Lower Upper

70 100

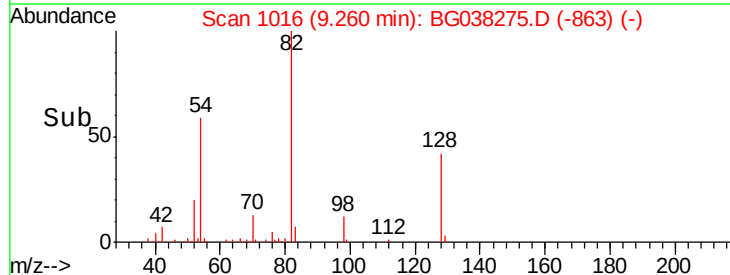
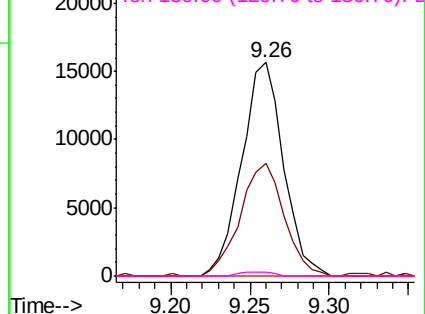
42 52.7 53.9 80.9#

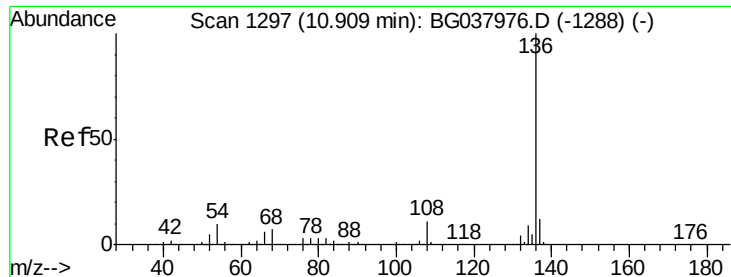
101 0.0 8.2 12.2#

130 1.7 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.90 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-B

Tot Ion:136 Resp: 137169

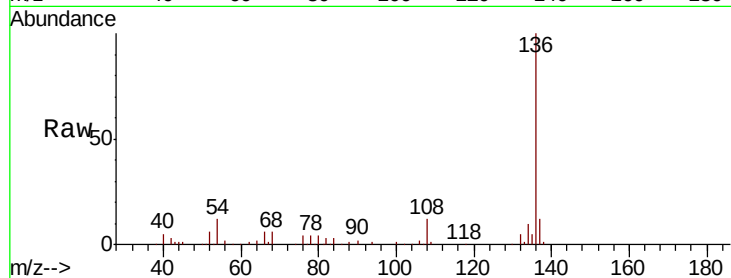
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 12.5 7.9 11.9#

68 5.6 4.8 7.2

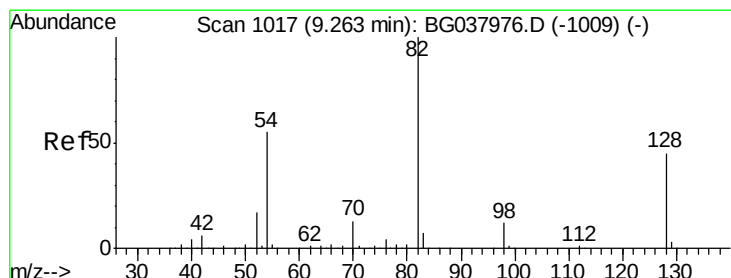
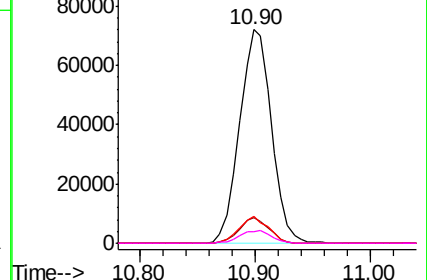
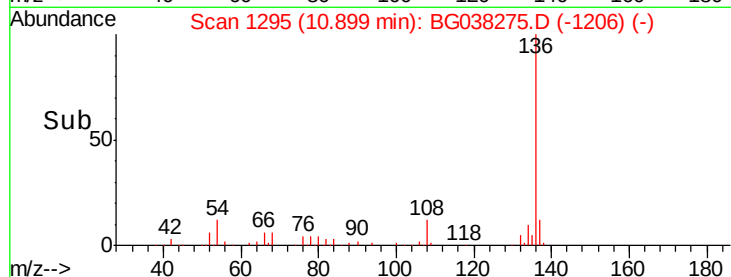


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 86.182 ng

RT: 9.26 min Scan# 1016

Delta R.T. -0.00 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

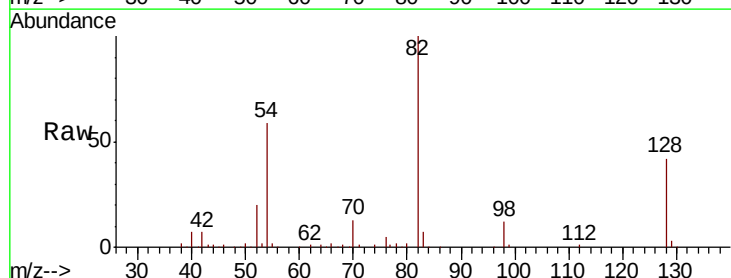
Tgt Ion: 82 Resp: 220838

Ion Ratio Lower Upper

82 100

128 42.4 34.6 51.8

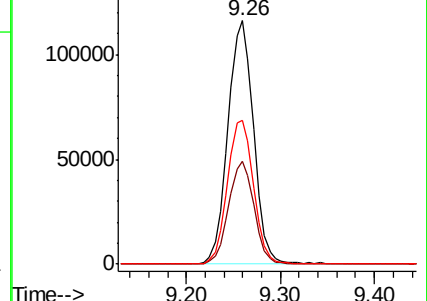
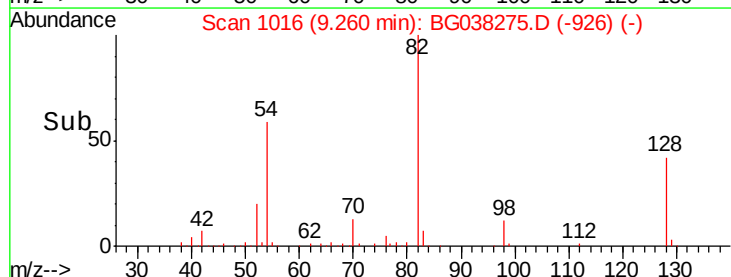
54 59.0 45.3 67.9

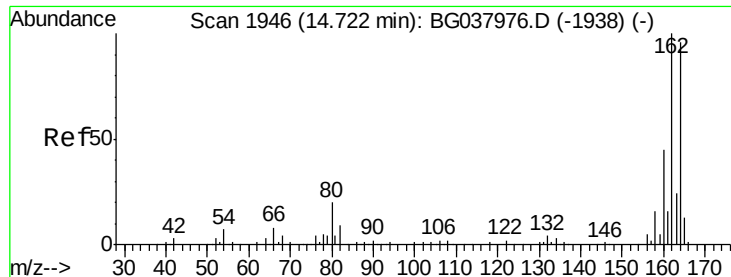


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-B

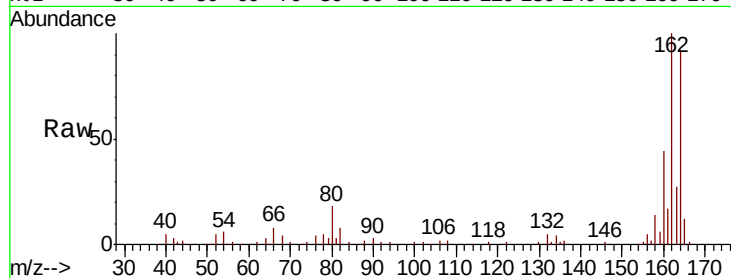
Tot Ion:164 Resp: 84629

Ion Ratio Lower Upper

164 100

162 108.6 81.3 121.9

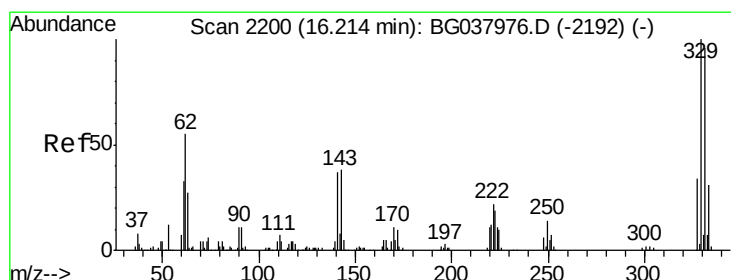
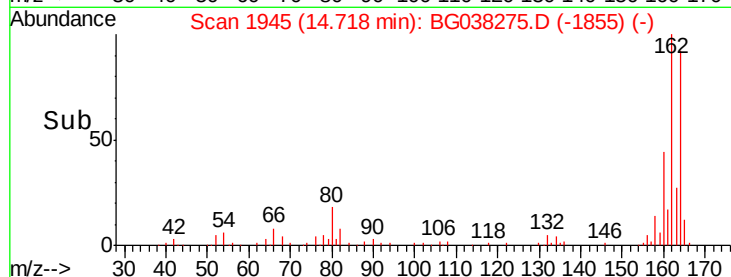
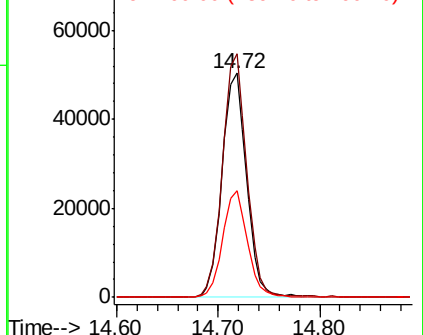
160 47.7 36.3 54.5



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



#42

2,4,6-Tribromophenol

Concen: 82.654 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

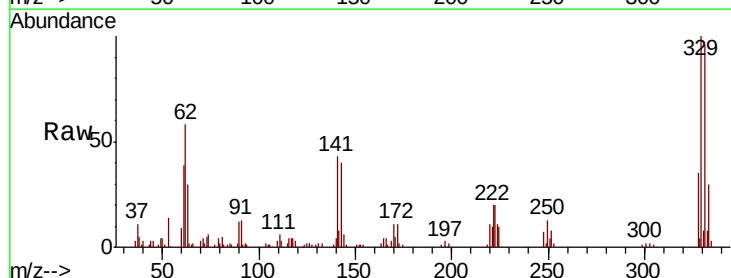
Tgt Ion:330 Resp: 79775

Ion Ratio Lower Upper

330 100

332 92.9 78.4 117.6

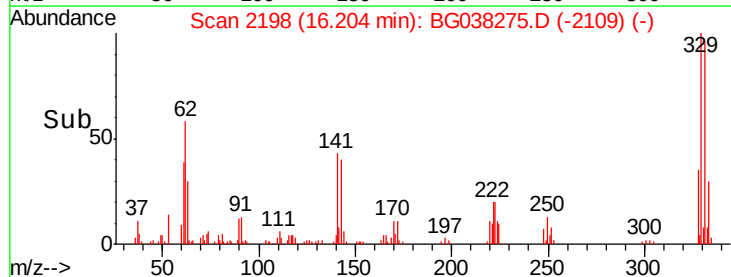
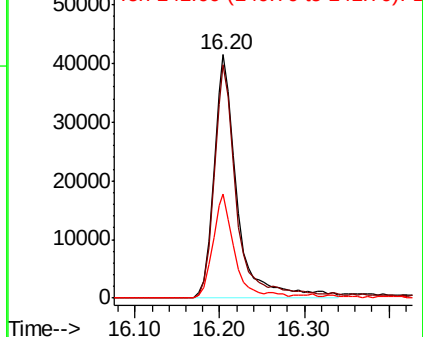
141 38.2 32.2 48.2

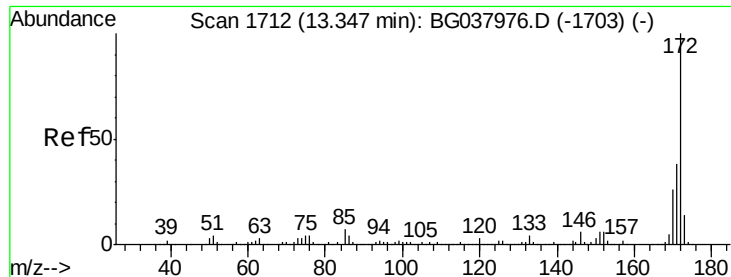


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

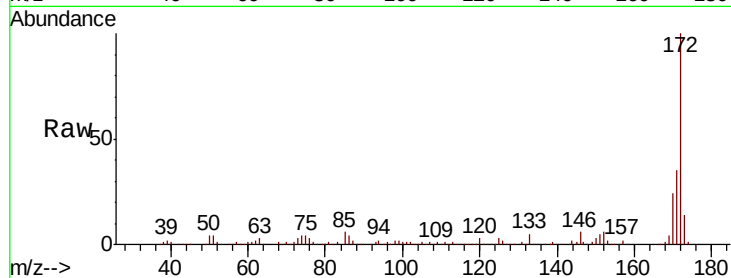




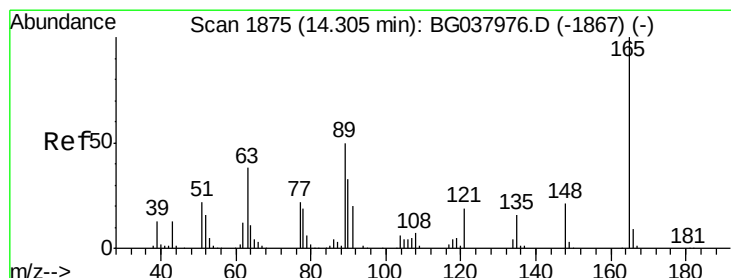
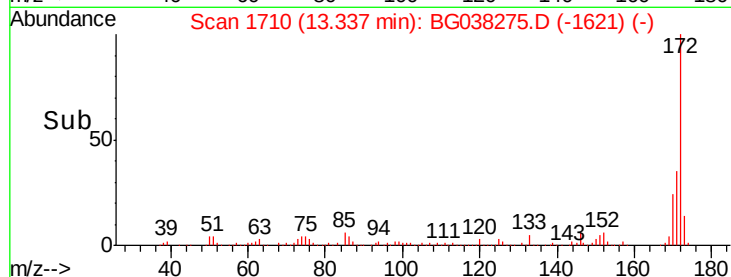
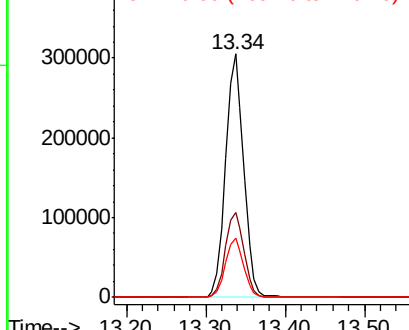
#45
2-Fluorobiphenyl
Concen: 83.037 ng
RT: 13.34 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BG038275.D
Acq: 1 Dec 2018 3:13

Instrument :
BNA_G
ClientSampleId :
EO-02-112918-B

Tot Ion:172 Resp: 482366
Ion Ratio Lower Upper
172 100
171 35.1 31.0 46.4
170 24.2 20.2 30.2

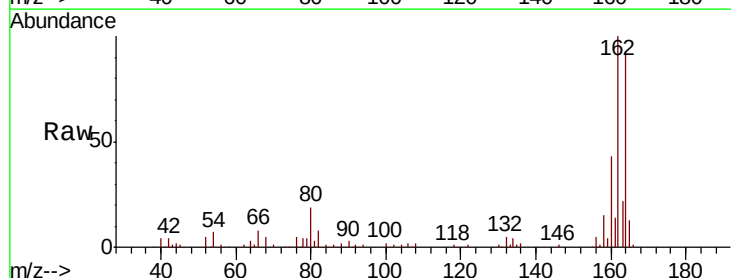


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

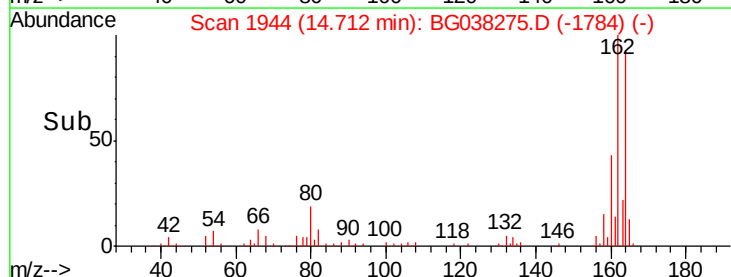
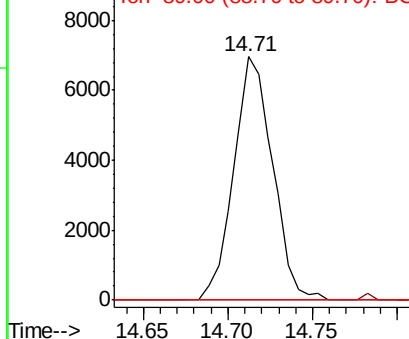


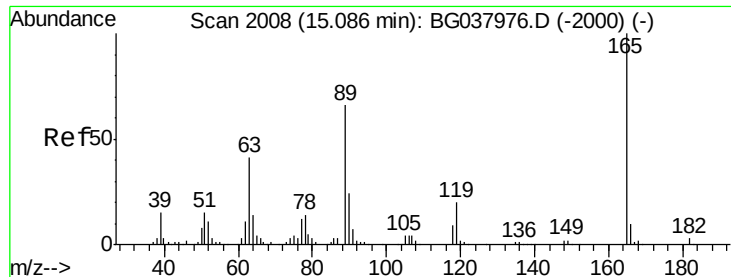
#51
2,6-Dinitrotoluene
Concen: 7.325 ng
RT: 14.71 min Scan# 1944
Delta R.T. 0.41 min
Lab File: BG038275.D
Acq: 1 Dec 2018 3:13

Tgt Ion:165 Resp: 11123
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 0.0 45.8 68.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

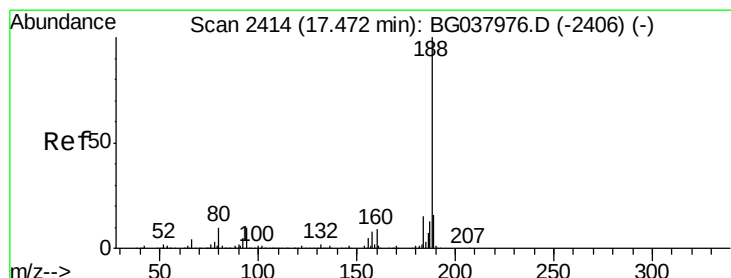
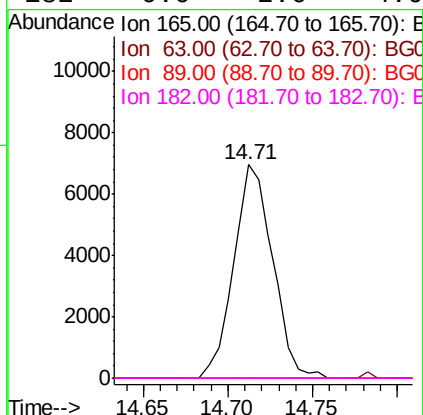
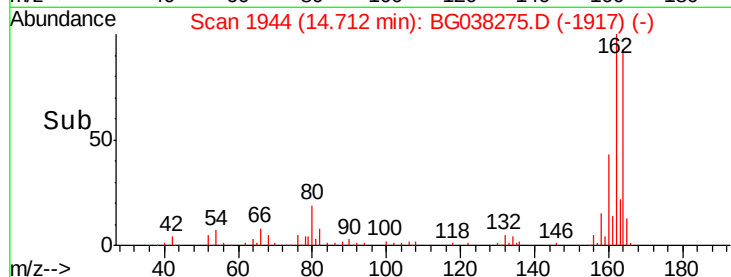
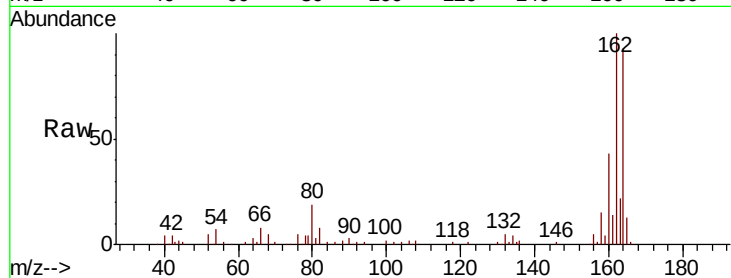




#57
2,4-Dinitrotoluene
Concen: 5.384 ng
RT: 14.71 min Scan# 1944
Delta R.T. -0.37 min
Lab File: BG038275.D
Acq: 1 Dec 2018 3:13

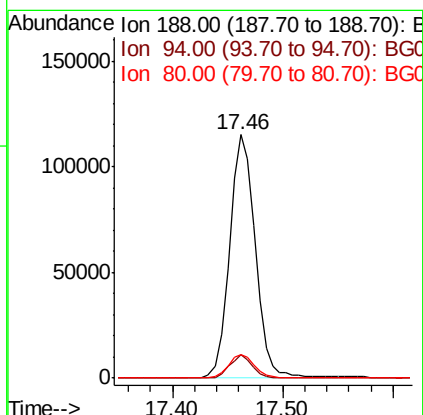
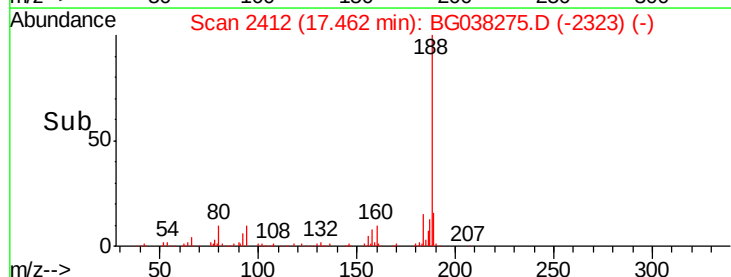
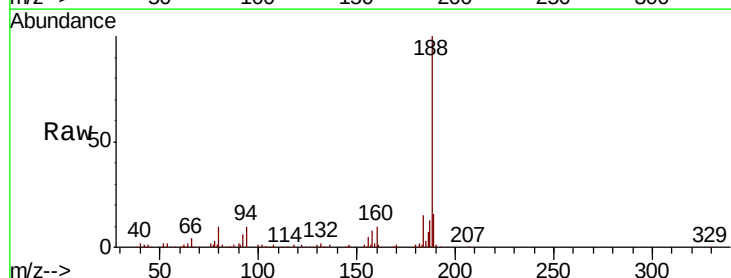
Instrument :
BNA_G
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EO-02-112918-B

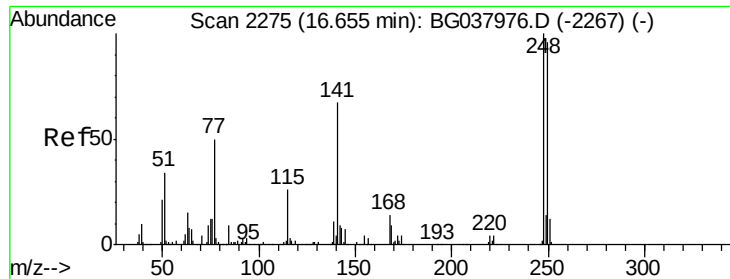
Tot Ion:165	Resp:	11123
Ion Ratio	Lower	Upper
165	100	
63	0.0	33.4 50.0#
89	0.0	57.2 85.8#
182	0.0	2.6 4.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BG038275.D
Acq: 1 Dec 2018 3:13

Tgt Ion:188	Resp:	188144
Ion Ratio	Lower	Upper
188	100	
94	9.9	7.2 10.8
80	9.7	7.7 11.5

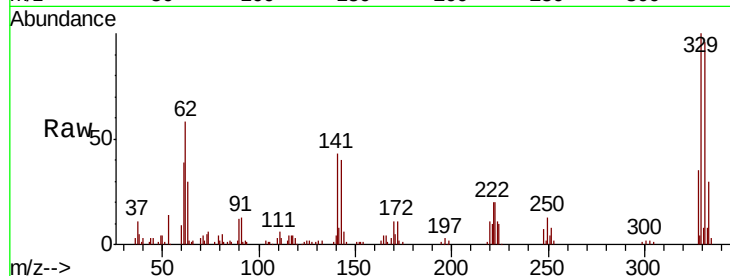




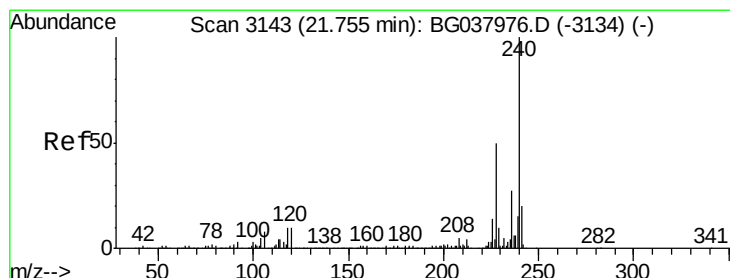
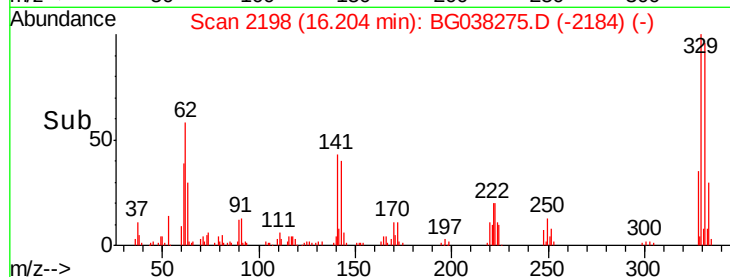
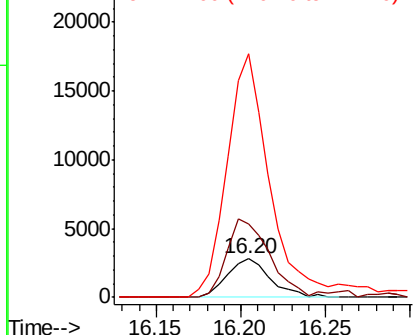
#67
4-Bromophenyl-phenylether
Concen: 2.381 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038275.D
Acq: 1 Dec 2018 3:13

Instrument :
BNA_G
ClientSampleId :
EO-02-112918-B

Tot Ion:248 Resp: 4917
Ion Ratio Lower Upper
248 100
250 186.1 77.0 115.6#
141 469.3 55.5 83.3#

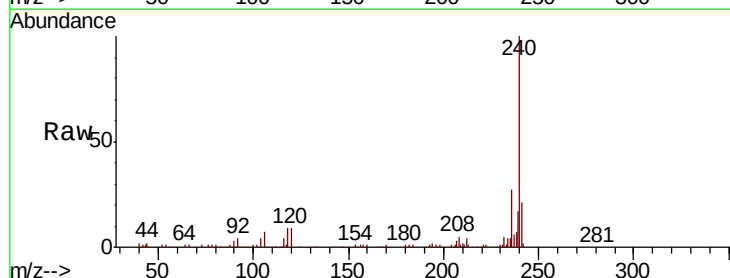


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

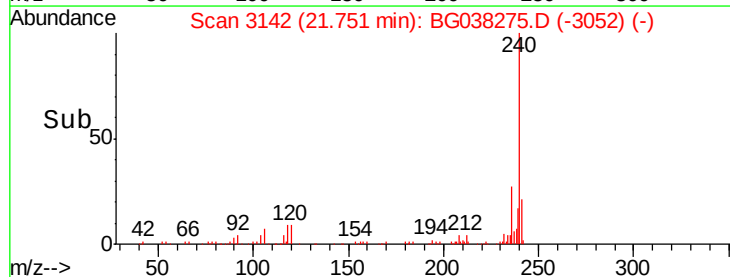
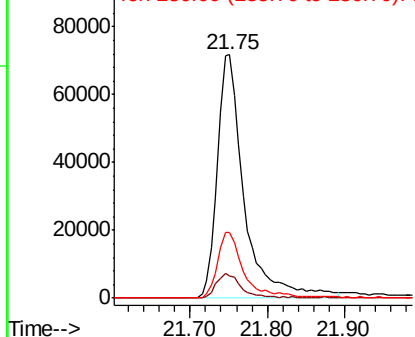


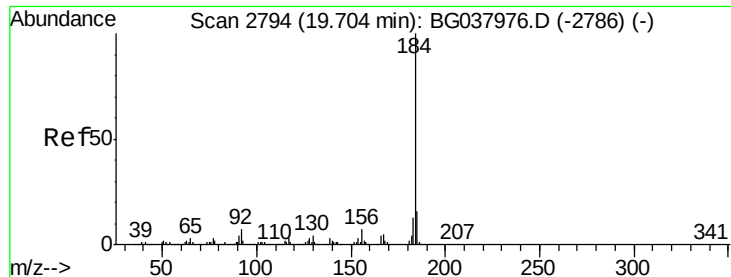
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038275.D
Acq: 1 Dec 2018 3:13

Tgt Ion:240 Resp: 173394
Ion Ratio Lower Upper
240 100
120 8.9 8.1 12.1
236 27.1 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: 2.100 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-B

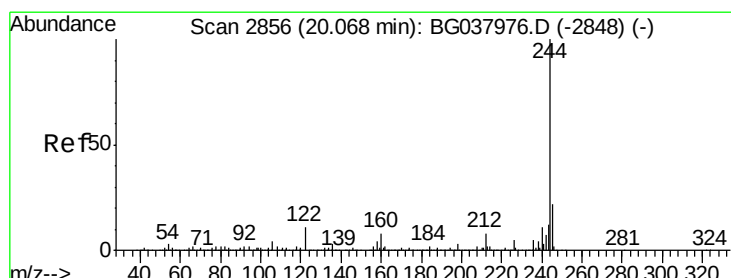
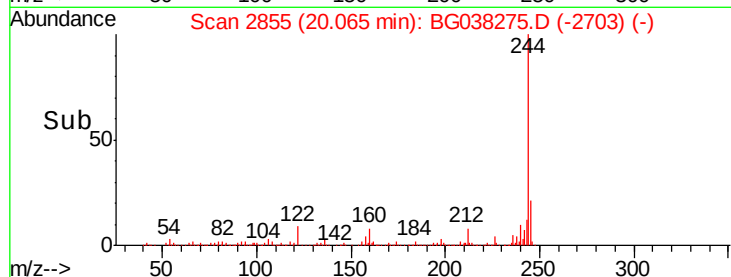
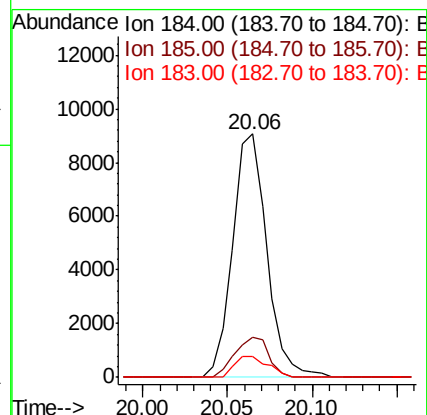
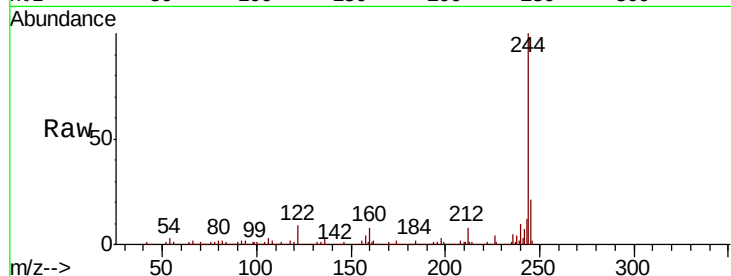
Tot Ion:184 Resp: 12776

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

183 8.8 10.2 15.2#



#79

Terphenyl-d14

Concen: 102.281 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038275.D

Acq: 1 Dec 2018 3:13

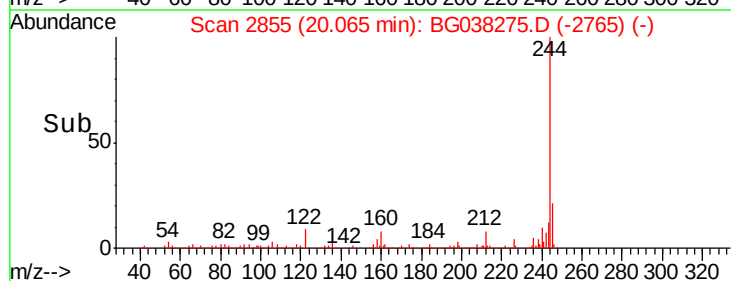
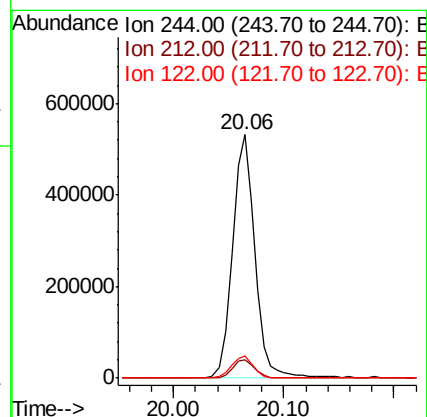
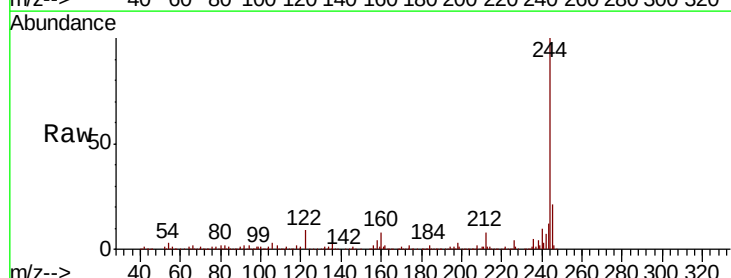
Tgt Ion:244 Resp: 753713

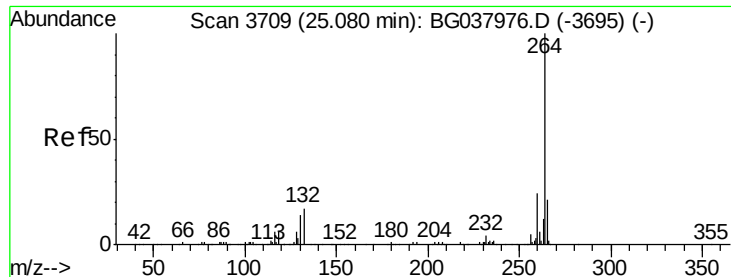
Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 9.1 9.0 13.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.08 min Scan# 3708
 Delta R.T. -0.00 min
 Lab File: BG038275.D
 Acq: 1 Dec 2018 3:13

Instrument :
 BNA_G
 ClientSampleId :
 EO-02-112918-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.4
265	22.7	17.9	26.9

