

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038276.D
 Acq On : 1 Dec 2018 3:52
 Operator : JU/SJ
 Sample : J5771-12
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Dec 01 04:36:06 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

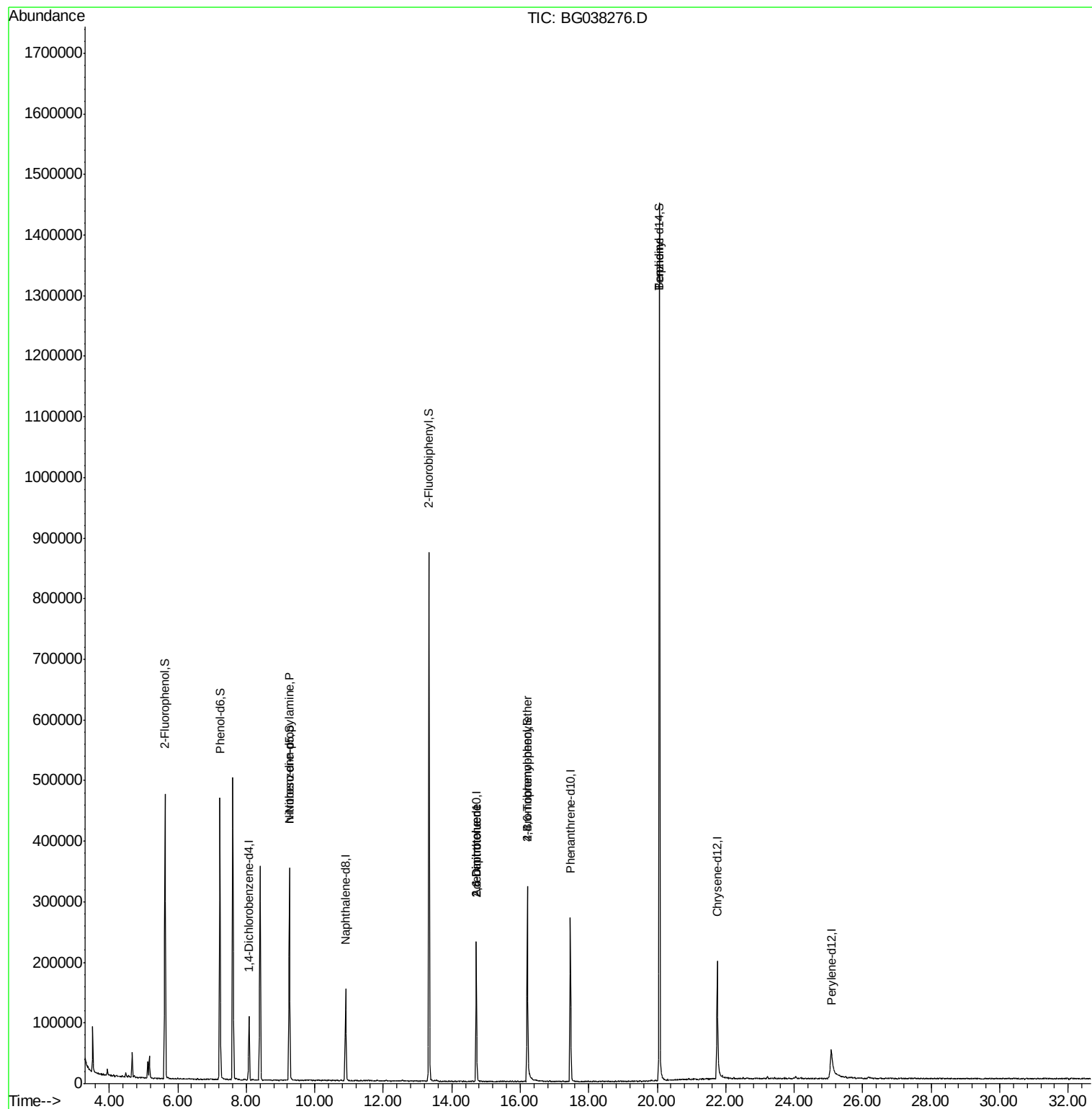
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	30184	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	132441	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	81726	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	183824	20.00	ng	0.00
76) Chrysene-d12	21.75	240	166733	20.00	ng	0.00
87) Perylene-d12	25.08	264	120748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	207153	118.49	ng	0.00
7) Phenol-d6	7.23	99	274667	110.07	ng	0.00
23) Nitrobenzene-d5	9.26	82	212657	85.95	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	70955	76.13	ng	-0.01
45) 2-Fluorobiphenyl	13.34	172	467539	83.34	ng	-0.01
79) Terphenyl-d14	20.06	244	737192	104.04	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	27646	15.311	ng	# 77
51) 2,6-Dinitrotoluene	14.72	165	11202	7.639	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	11202	5.615	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	4630	2.295	ng	# 1
77) Benzidine	20.06	184	12871	2.200	ng	# 91

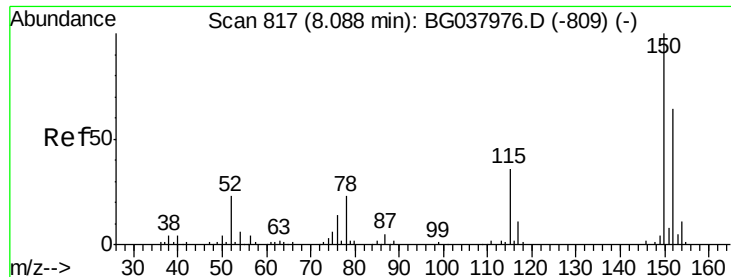
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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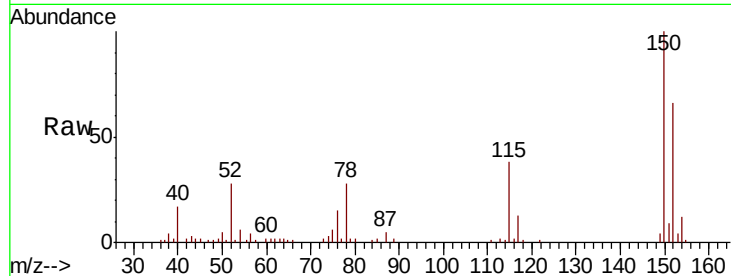


#1

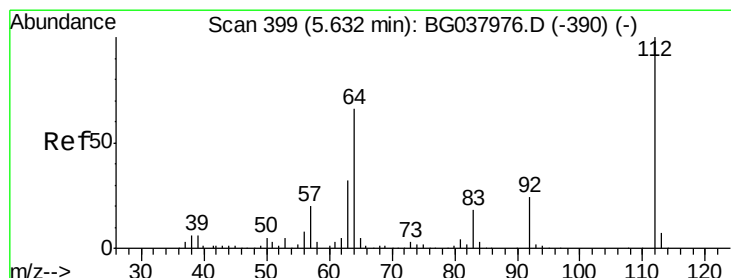
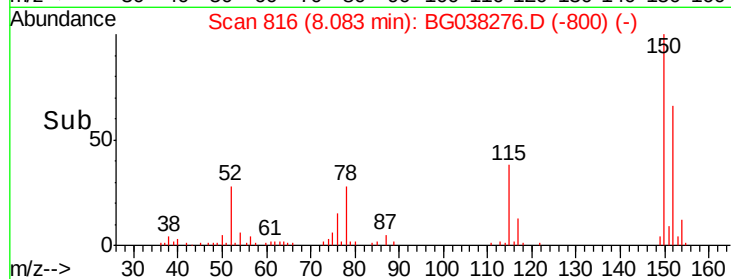
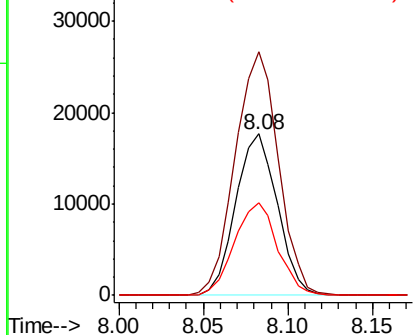
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.08 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BG038276.D
 Acq: 1 Dec 2018 3:52

Instrument :
 BNA_G
 ClientSampled :
 EO-02-112918-C

Tot Ion:152 Resp: 30184
 Ion Ratio Lower Upper
 152 100
 150 150.7 126.0 189.0
 115 57.0 45.5 68.3



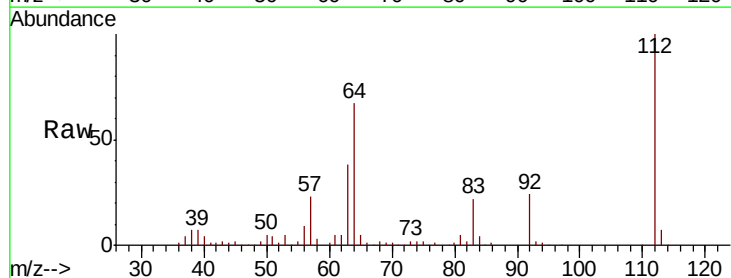
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



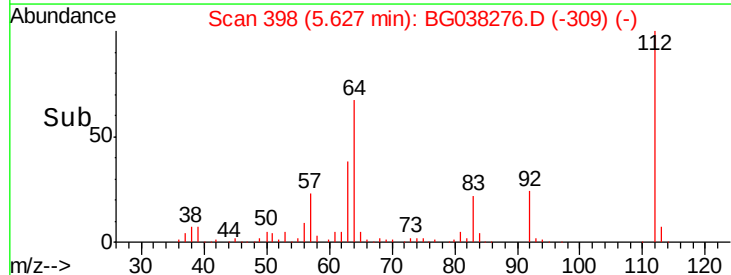
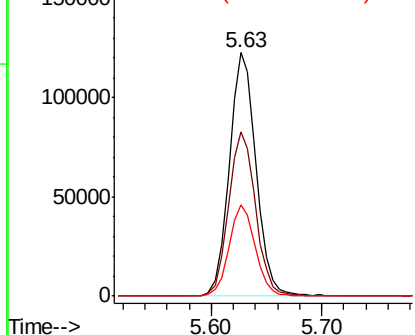
#5

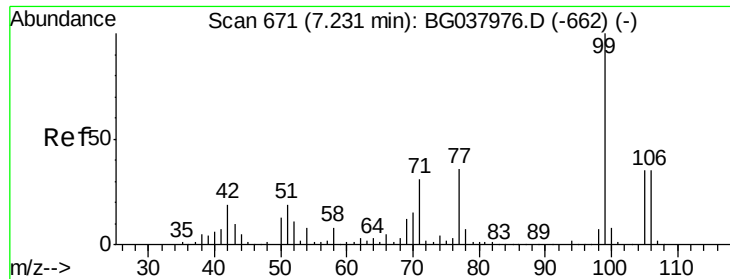
2-Fluorophenol
 Concen: 118.494 ng
 RT: 5.63 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: BG038276.D
 Acq: 1 Dec 2018 3:52

Tgt Ion:112 Resp: 207153
 Ion Ratio Lower Upper
 112 100
 64 67.3 53.1 79.7
 63 37.6 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: 110.066 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.00 min

Lab File: BG038276.D

Acq: 1 Dec 2018 3:52

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-C

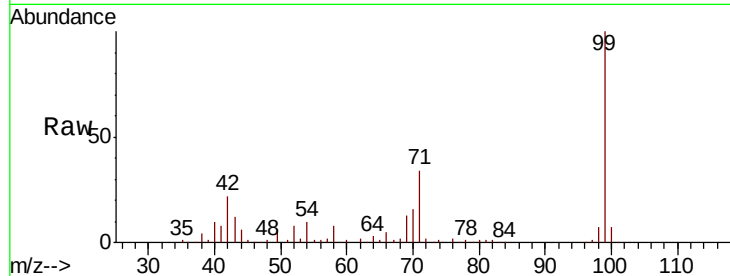
Tot Ion: 99 Resp: 274667

Ion Ratio Lower Upper

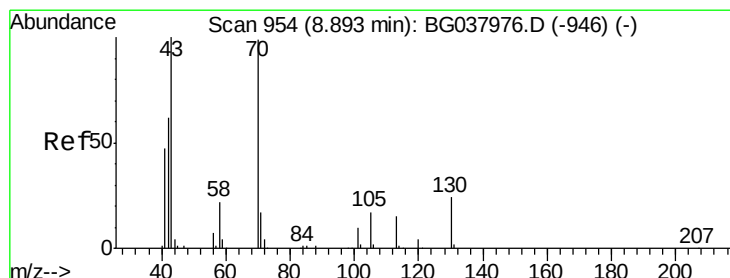
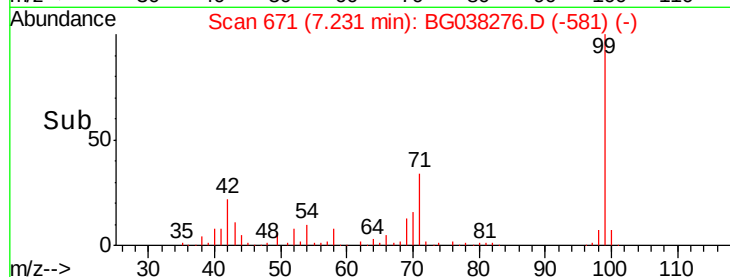
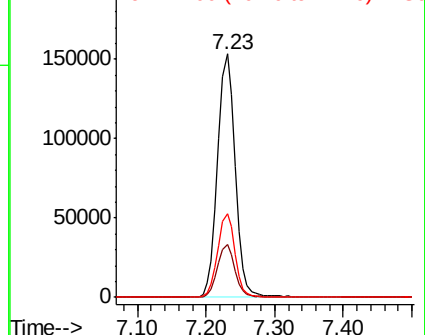
99 100

42 21.7 15.0 22.4

71 34.3 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: 15.311 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.36 min

Lab File: BG038276.D

Acq: 1 Dec 2018 3:52

Tgt Ion: 70 Resp: 27646

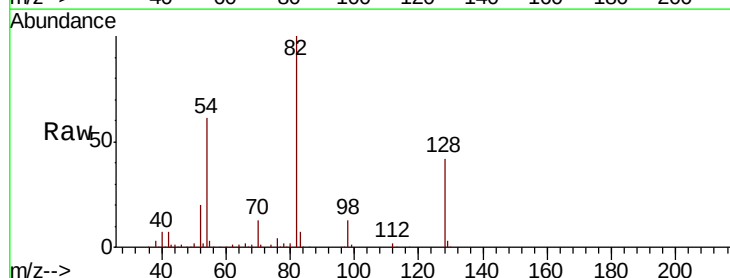
Ion Ratio Lower Upper

70 100

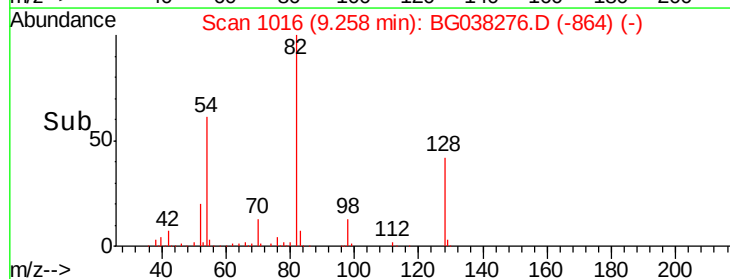
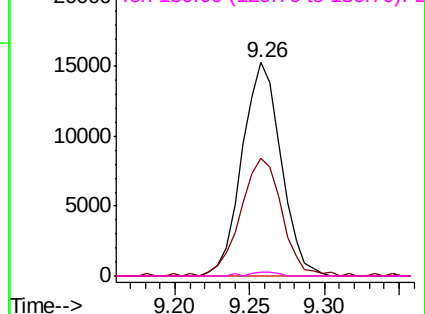
42 54.9 53.9 80.9

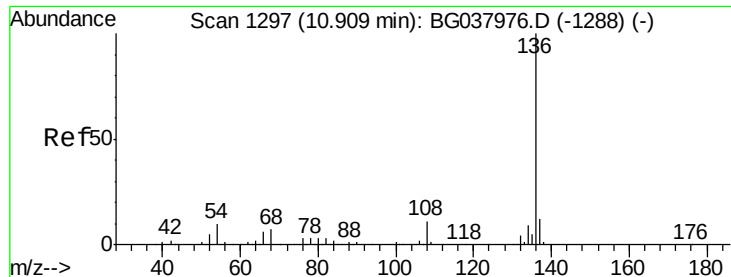
101 0.0 8.2 12.2#

130 1.9 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

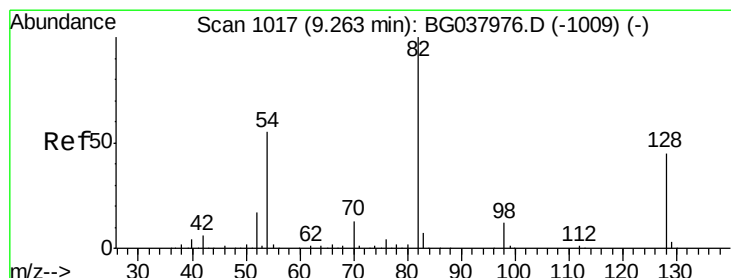
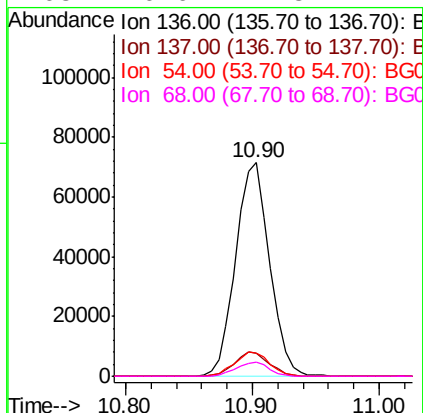
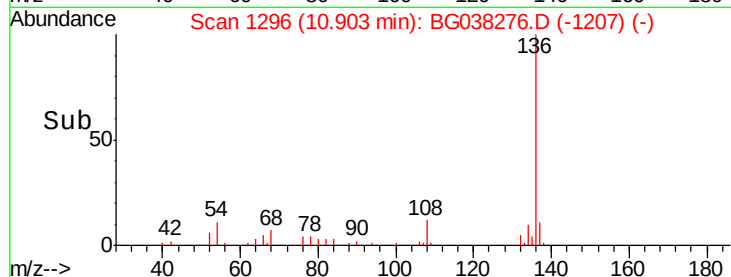
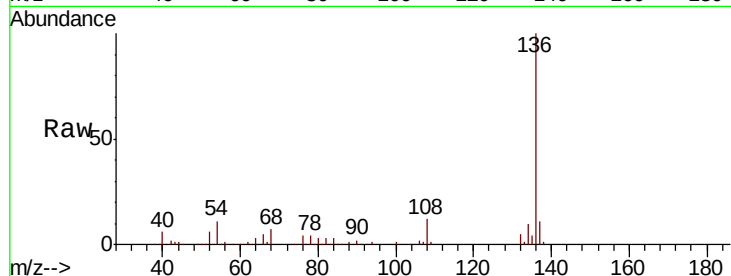




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BG038276.D
Acq: 1 Dec 2018 3:52

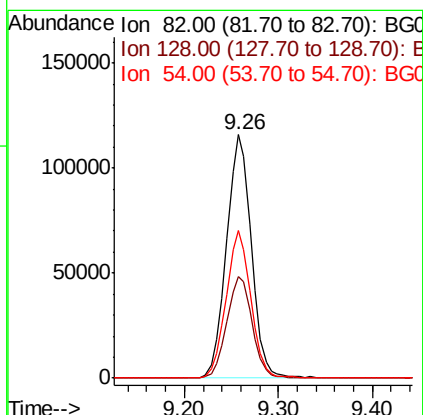
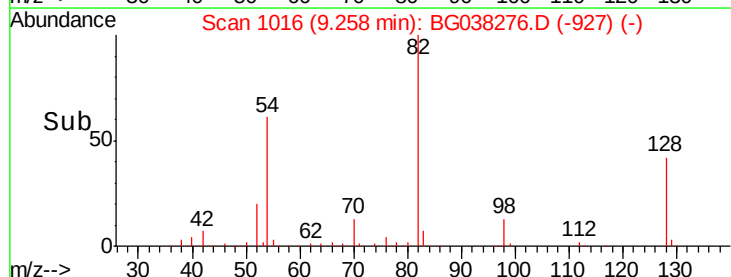
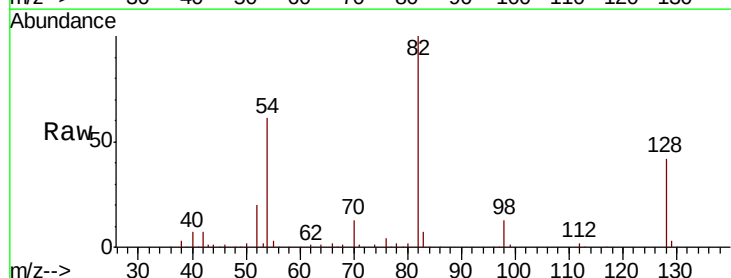
Instrument :
BNA_G
ClientSampleId :
EO-02-112918-C

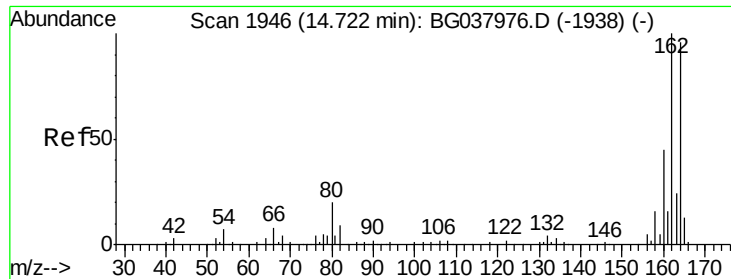
Tot Ion:136	Resp:	132441
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.6 14.4
54	10.8	7.9 11.9
68	6.6	4.8 7.2



#23
Nitrobenzene-d5
Concen: 85.952 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG038276.D
Acq: 1 Dec 2018 3:52

Tgt Ion: 82	Resp:	212657
Ion	Ratio	Lower Upper
82	100	
128	41.6	34.6 51.8
54	60.8	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.72 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BG038276.D

Acq: 1 Dec 2018 3:52

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-C

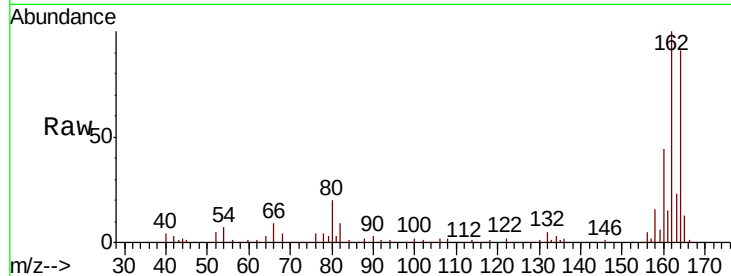
Tot Ion:164 Resp: 81726

Ion Ratio Lower Upper

164 100

162 109.5 81.3 121.9

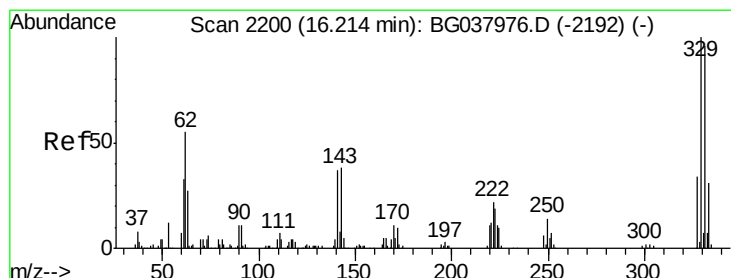
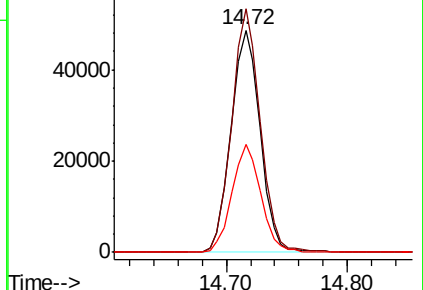
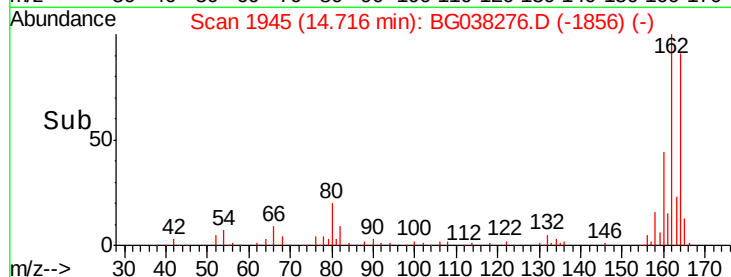
160 48.5 36.3 54.5



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: 76.127 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BG038276.D

Acq: 1 Dec 2018 3:52

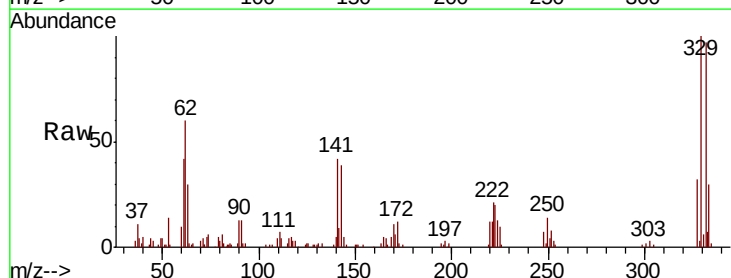
Tgt Ion:330 Resp: 70955

Ion Ratio Lower Upper

330 100

332 95.2 78.4 117.6

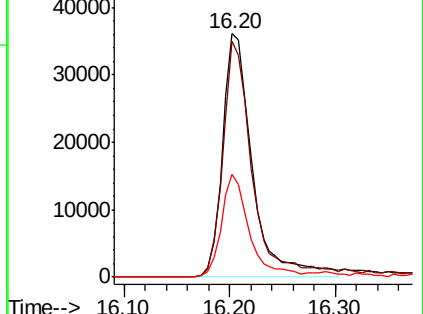
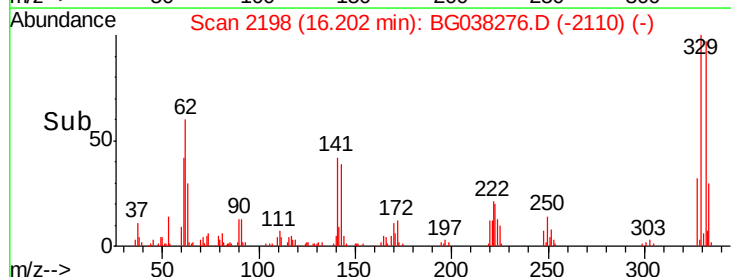
141 39.1 32.2 48.2

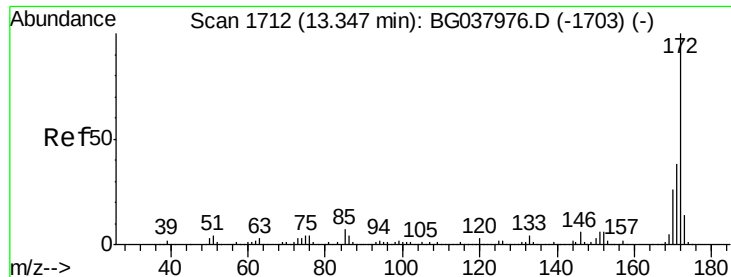


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

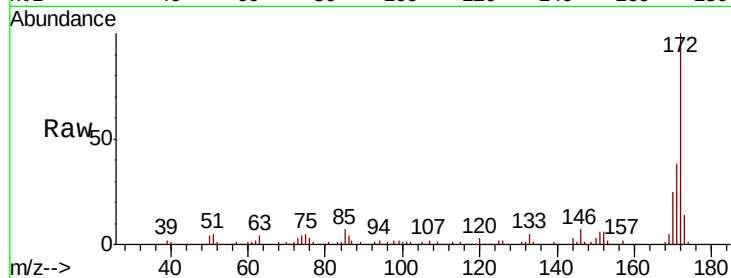




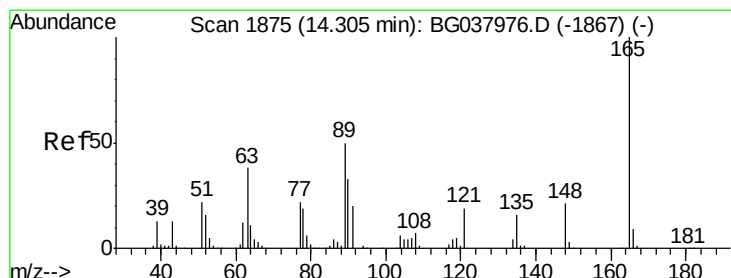
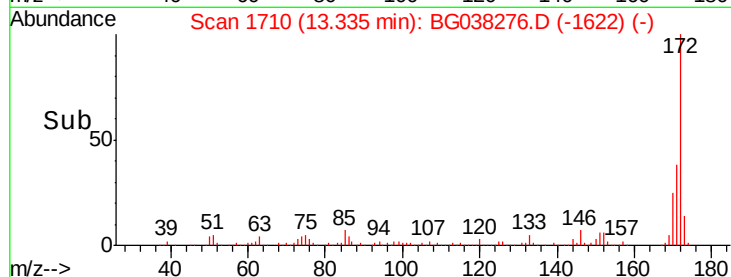
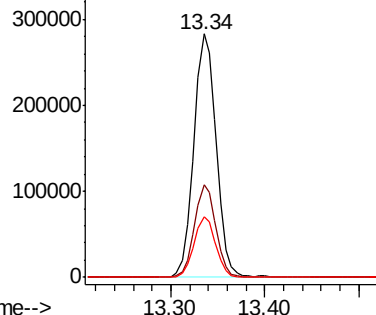
#45
 2-Fluorobiphenyl
 Concen: 83.344 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038276.D
 Acq: 1 Dec 2018 3:52

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.0	46.4
170	24.7	20.2	30.2

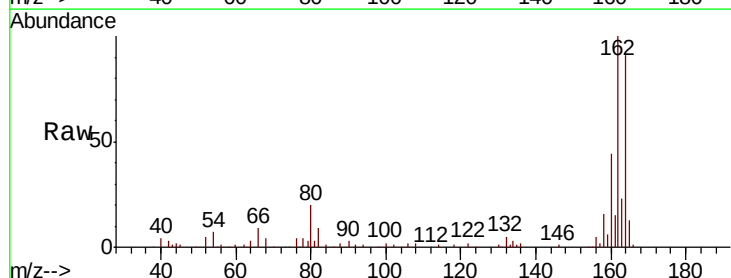


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

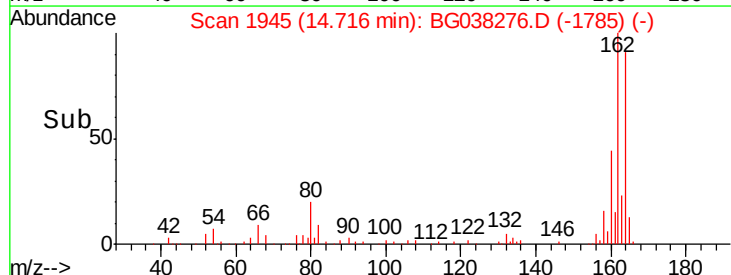
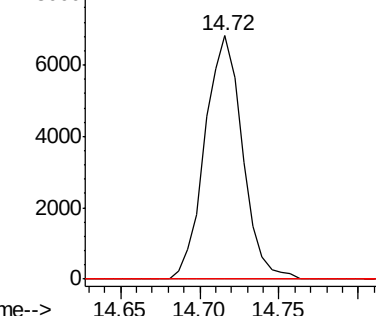


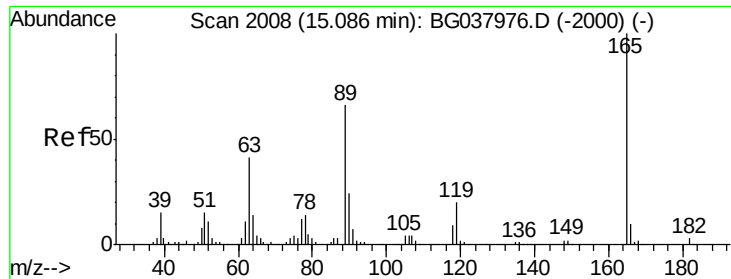
#51
 2,6-Dinitrotoluene
 Concen: 7.639 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038276.D
 Acq: 1 Dec 2018 3:52

Tgt 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

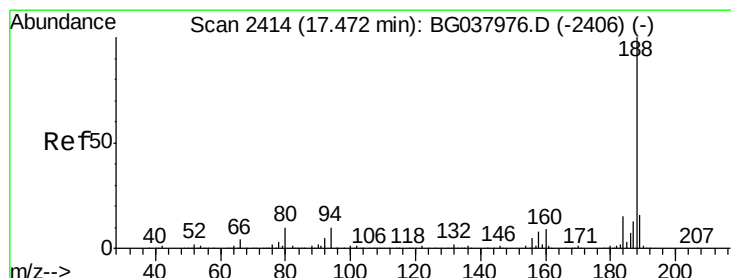
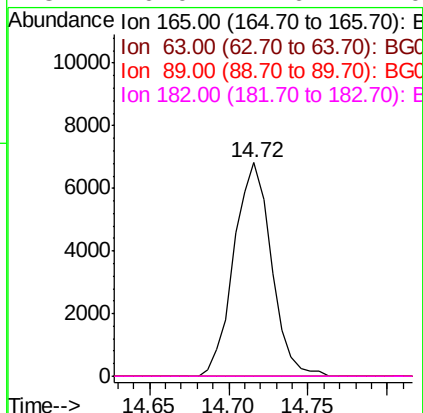
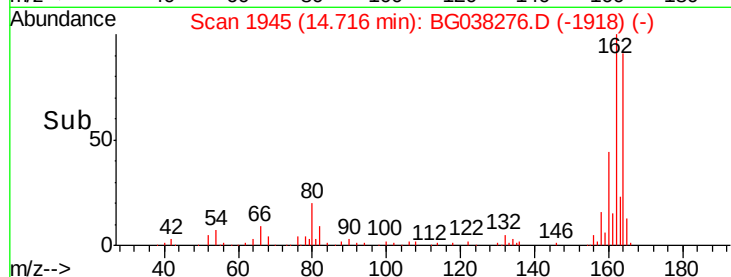
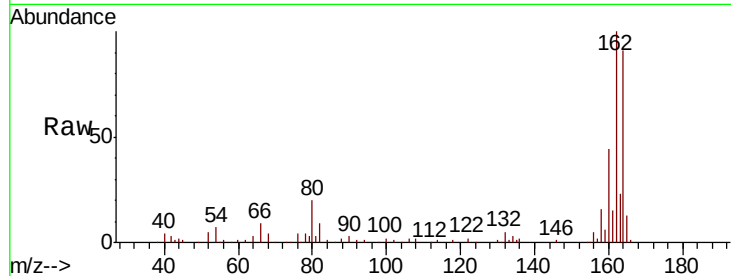




#57
 2,4-Dinitrotoluene
 Concen: 5.615 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038276.D
 Acq: 1 Dec 2018 3:52

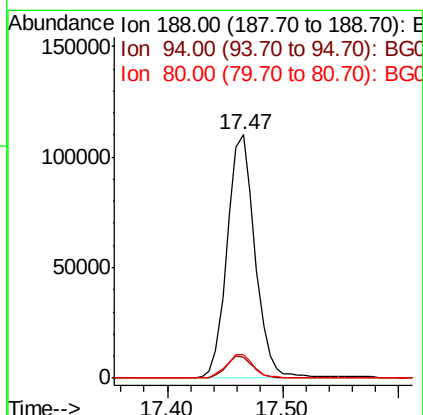
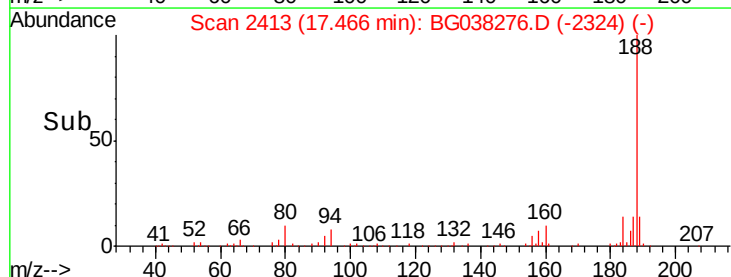
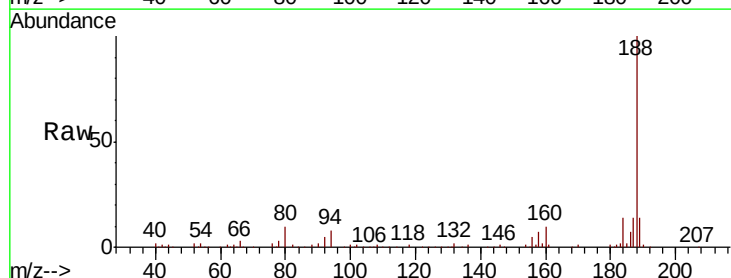
Instrument :
 BNA_G
 ClientSampleId :
 EO-02-112918-C

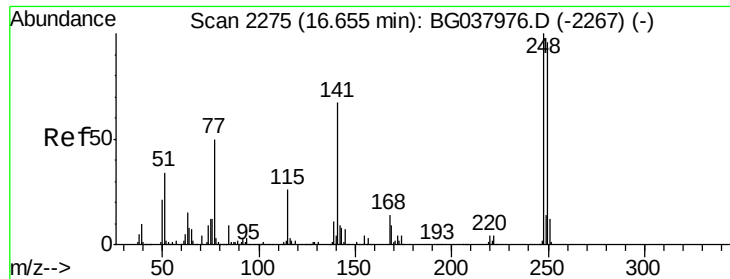
Tot Ion:	165	Resp:	11202
Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG038276.D
 Acq: 1 Dec 2018 3:52

Tgt Ion:	188	Resp:	183824
Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.2	10.8
80	9.5	7.7	11.5

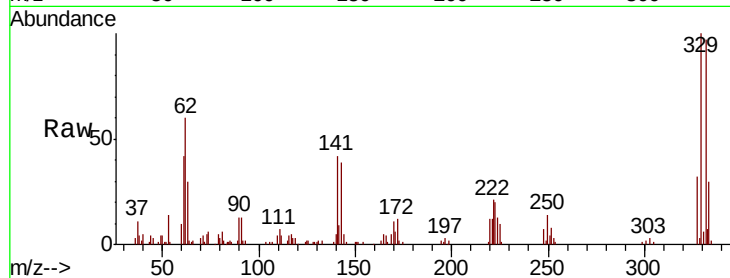




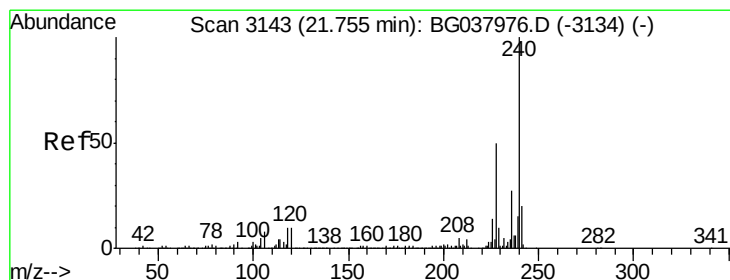
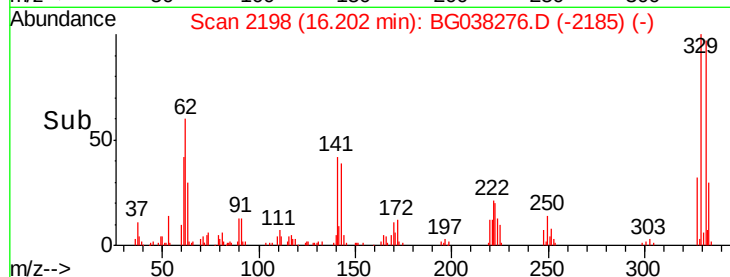
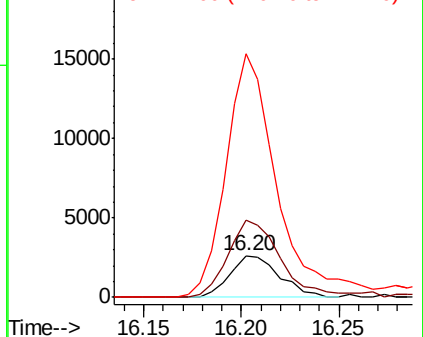
#67
4-Bromophenyl-phenylether
Concen: 2.295 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038276.D
Acq: 1 Dec 2018 3:52

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

Tot Ion:248 Resp: 4630
Ion Ratio Lower Upper
248 100
250 187.9 77.0 115.6#
141 456.2 55.5 83.3#

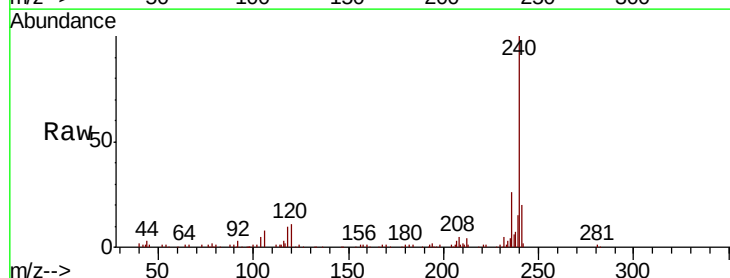


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

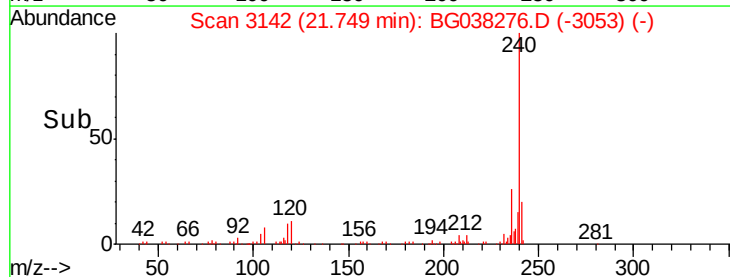
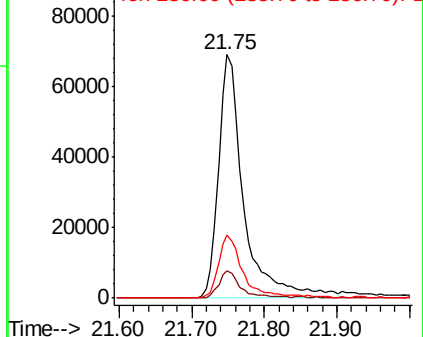


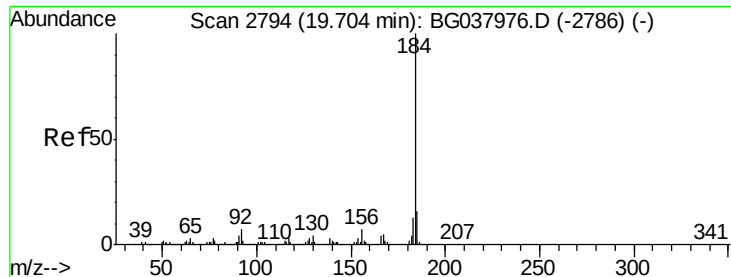
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG038276.D
Acq: 1 Dec 2018 3:52

Tgt Ion:240 Resp: 166733
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 25.9 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: 2.200 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038276.D

Acq: 1 Dec 2018 3:52

Instrument :

BNA_G

ClientSampleId :

EO-02-112918-C

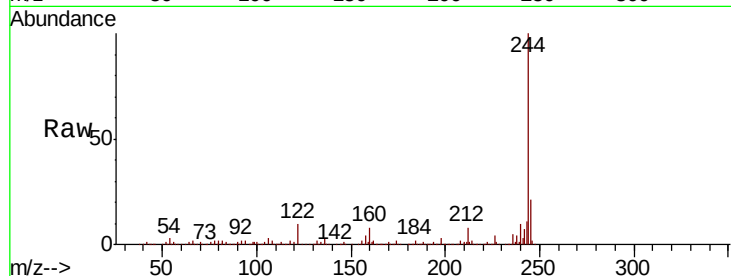
Tot Ion:184 Resp: 12871

Ion Ratio Lower Upper

184 100

185 12.0 12.6 18.8#

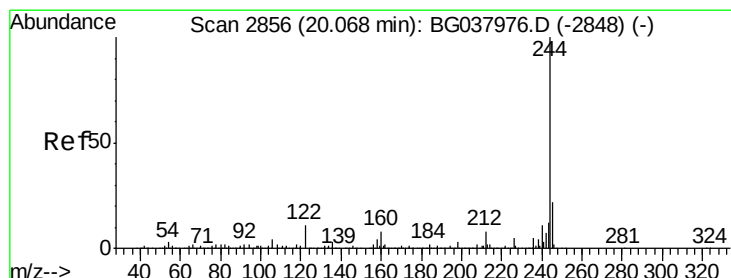
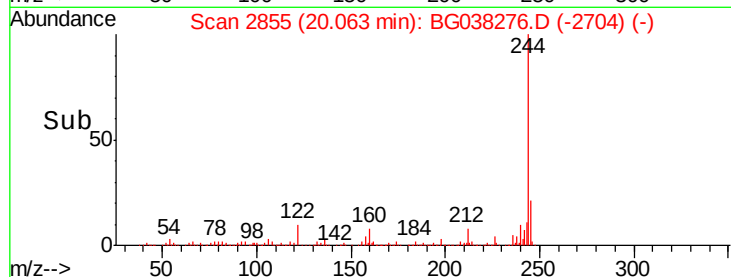
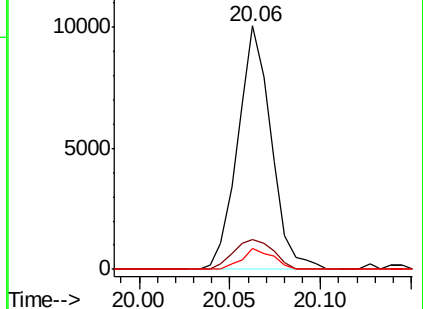
183 8.6 10.2 15.2#



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: 104.036 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG038276.D

Acq: 1 Dec 2018 3:52

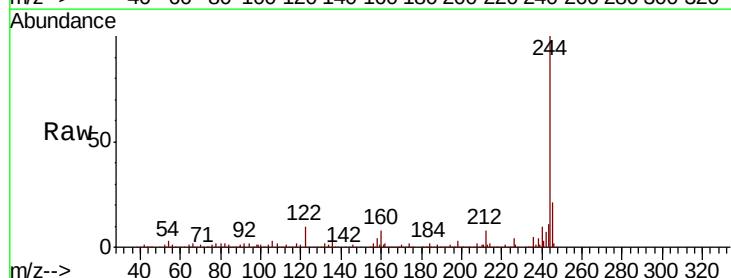
Tgt Ion:244 Resp: 737192

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

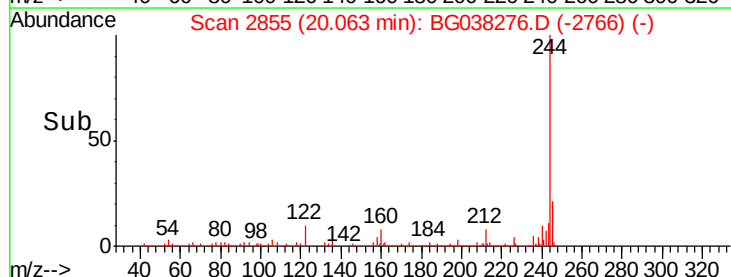
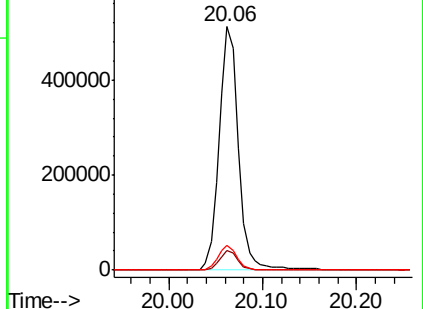
122 10.3 9.0 13.4

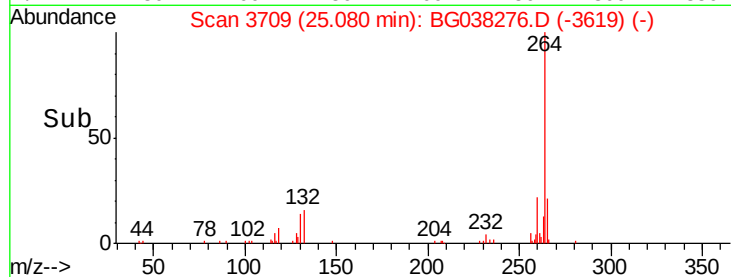
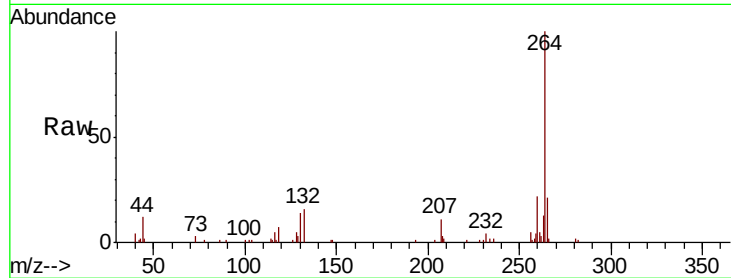
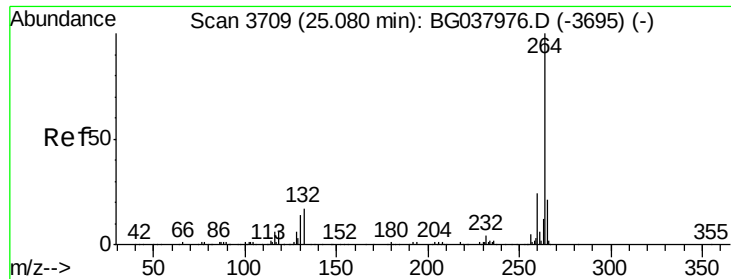


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.08 min Scan# 3709
Delta R.T. -0.00 min
Lab File: BG038276.D
Acq: 1 Dec 2018 3:52

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.8	18.2	27.4
265	20.7	17.9	26.9

