

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG113018\
 Data File : BG038274.D
 Acq On : 1 Dec 2018 2:34
 Operator : JU/SJ
 Sample : J5770-16
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-112918-B

Quant Time: Dec 01 04:35:43 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

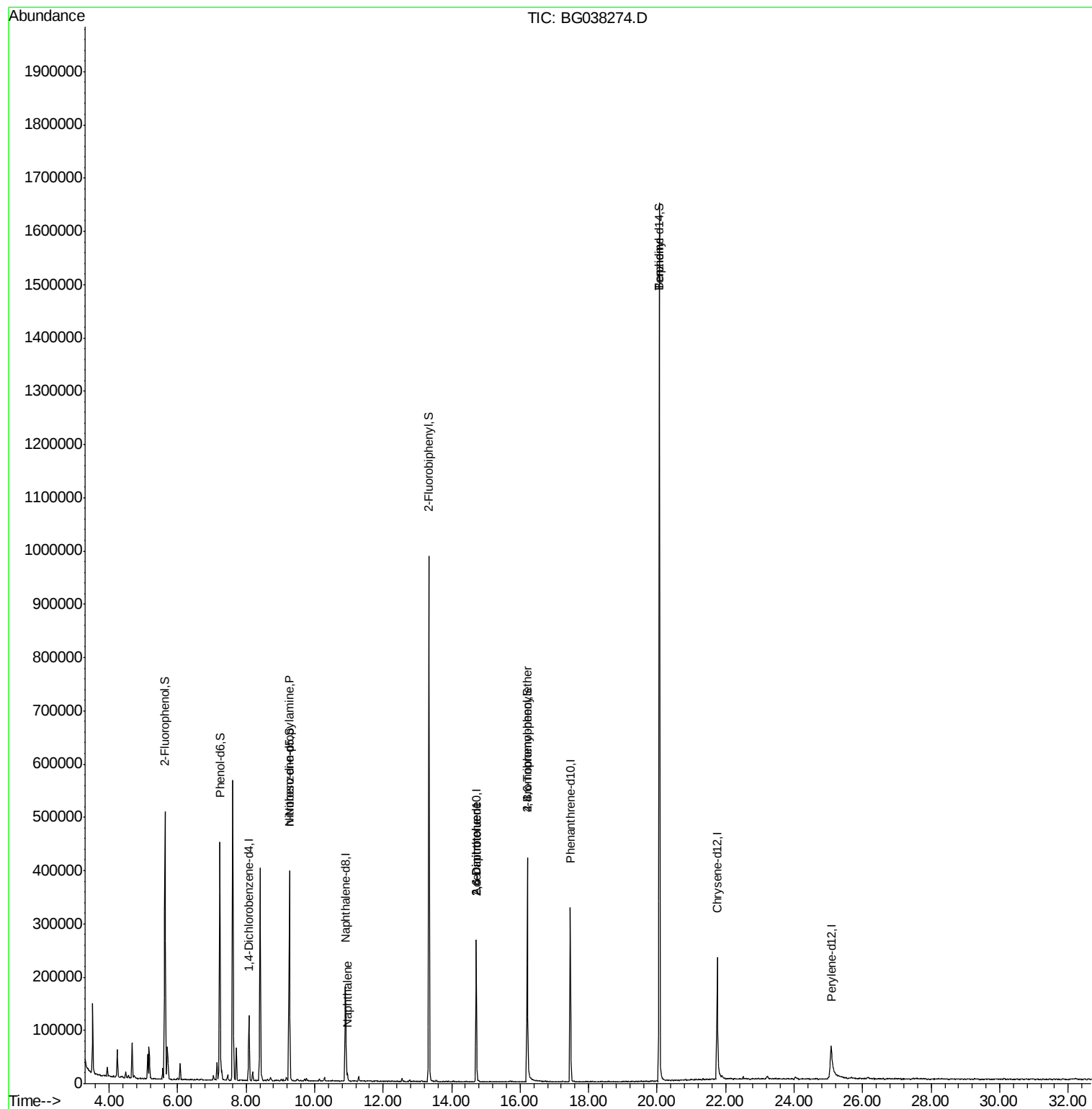
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	35242	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	154309	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	96066	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	211602	20.00	ng	0.00
76) Chrysene-d12	21.75	240	195517	20.00	ng	0.00
87) Perylene-d12	25.08	264	114077	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	222004	108.76	ng	0.00
7) Phenol-d6	7.23	99	272441	93.51	ng	0.00
23) Nitrobenzene-d5	9.26	82	244550	84.84	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	88112	80.42	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	514854	78.08	ng	0.00
79) Terphenyl-d14	20.06	244	849849	102.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	31950	15.155	ng	Qvalue
31) Naphthalene	10.95	128	15287	2.014	ng	# 73
51) 2,6-Dinitrotoluene	14.71	165	12257	7.111	ng	# 25
57) 2,4-Dinitrotoluene	14.71	165	12257	5.226	ng	# 25
67) 4-Bromophenyl-phenylether	16.21	248	5857	2.522	ng	# 1
77) Benzidine	20.06	184	14381	2.096	ng	# 92

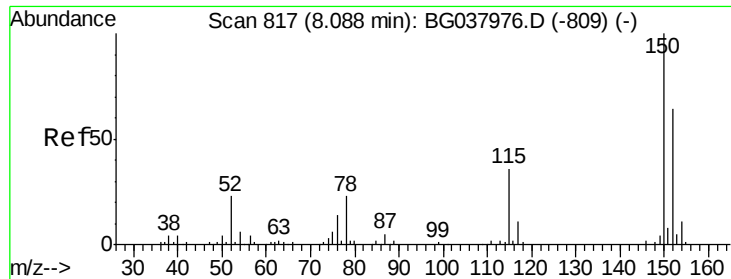
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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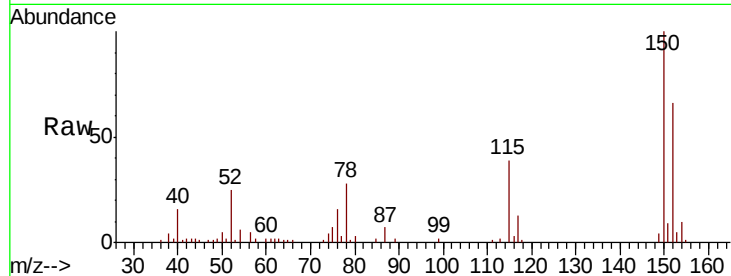


#1

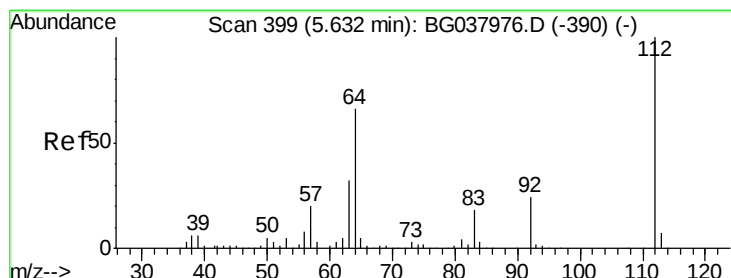
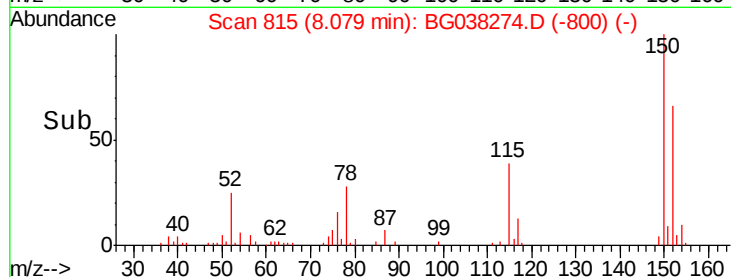
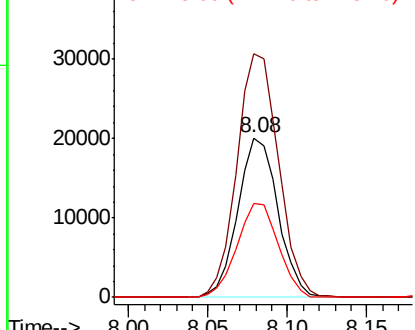
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 815
Delta R.T. -0.01 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

Instrument :
BNA_G
ClientSampleId :
OR-03-112918-B

Tot Ion:152 Resp: 35242
Ion Ratio Lower Upper
152 100
150 152.5 126.0 189.0
115 58.7 45.5 68.3



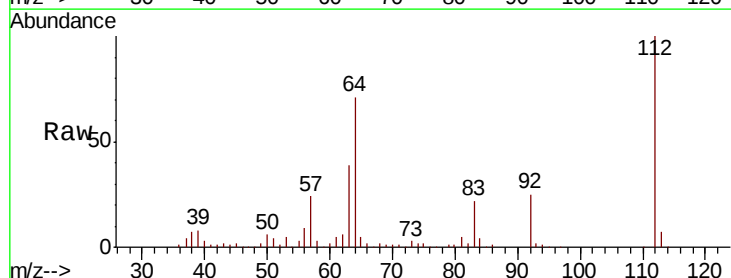
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



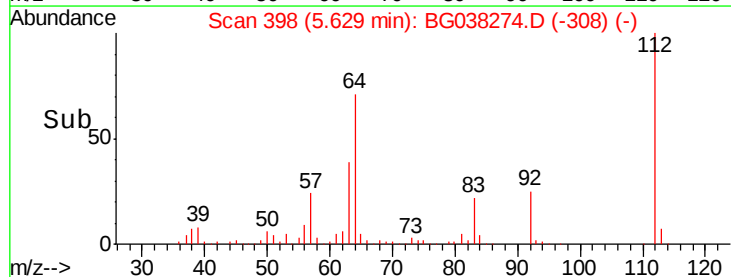
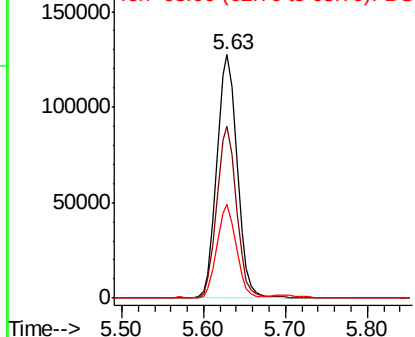
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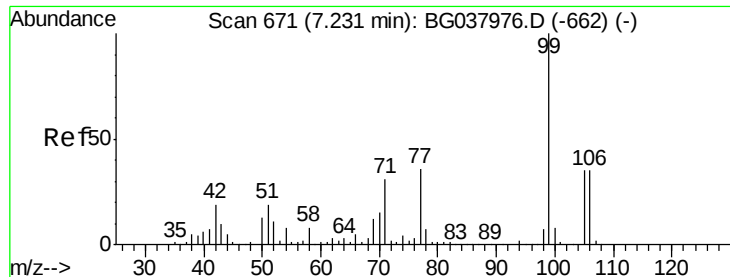
2-Fluorophenol
Concen: 108.764 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

Tgt Ion:112 Resp: 222004
Ion Ratio Lower Upper
112 100
64 70.6 53.1 79.7
63 38.6 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: 93.505 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.00 min

Lab File: BG038274.D

Acq: 1 Dec 2018 2:34

Instrument :

BNA_G

ClientSampleId :

OR-03-112918-B

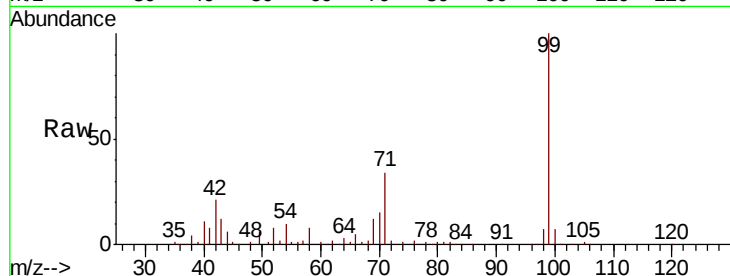
Tot Ion: 99 Resp: 272441

Ion Ratio Lower Upper

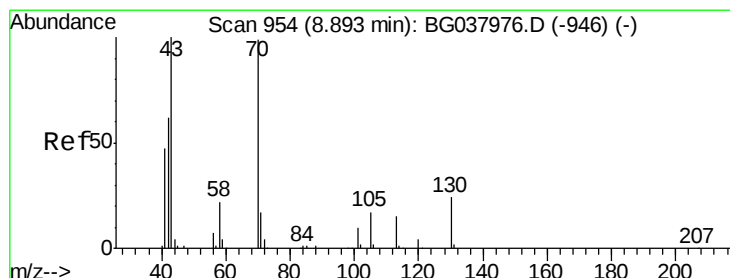
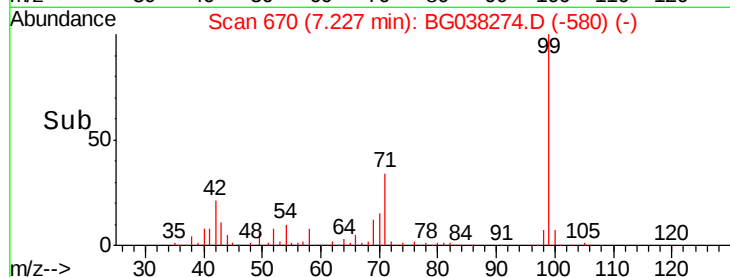
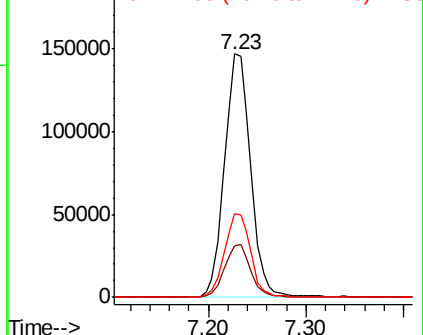
99 100

42 21.2 15.0 22.4

71 34.4 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: 15.155 ng

RT: 9.26 min Scan# 1016

Delta R.T. 0.37 min

Lab File: BG038274.D

Acq: 1 Dec 2018 2:34

Tgt Ion: 70 Resp: 31950

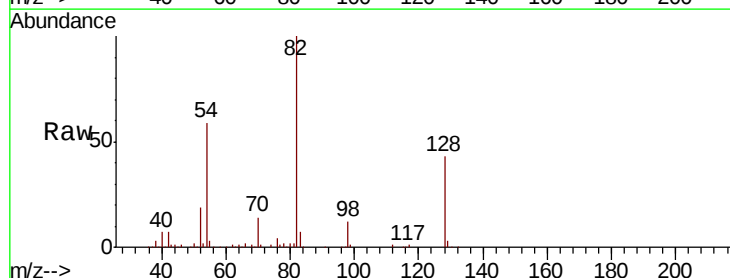
Ion Ratio Lower Upper

70 100

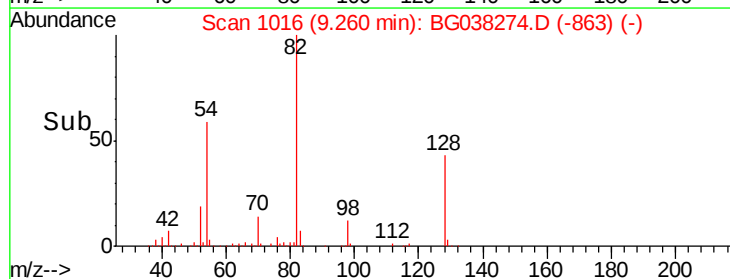
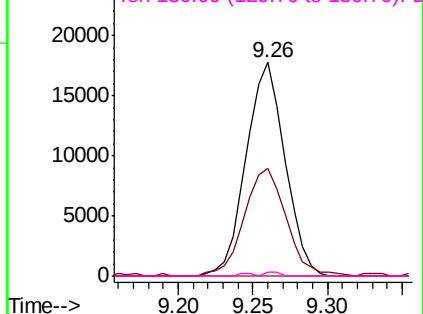
42 50.3 53.9 80.9#

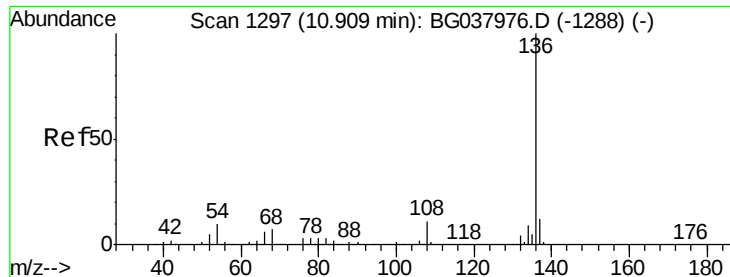
101 0.0 8.2 12.2#

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

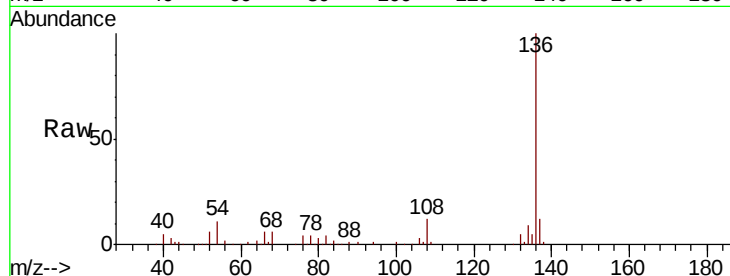




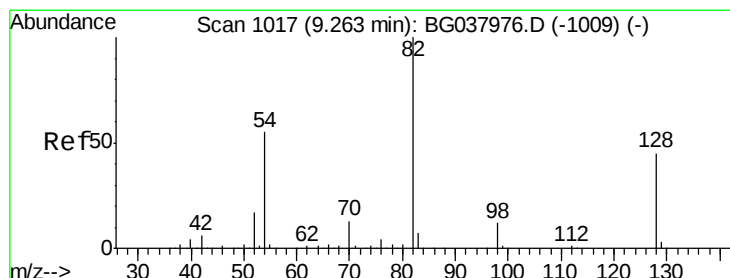
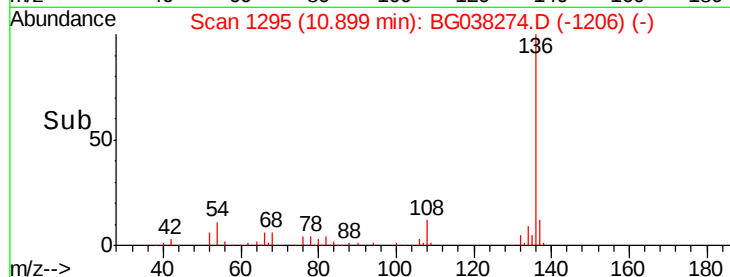
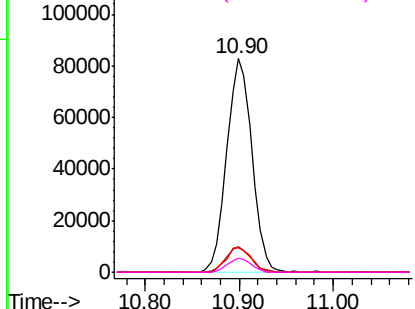
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

Instrument :
BNA_G
ClientSampleId :
OR-03-112918-B

Tot Ion:136	Resp:	154309
Ion	Ratio	Lower Upper
136	100	
137	12.0	9.6 14.4
54	11.4	7.9 11.9
68	6.3	4.8 7.2

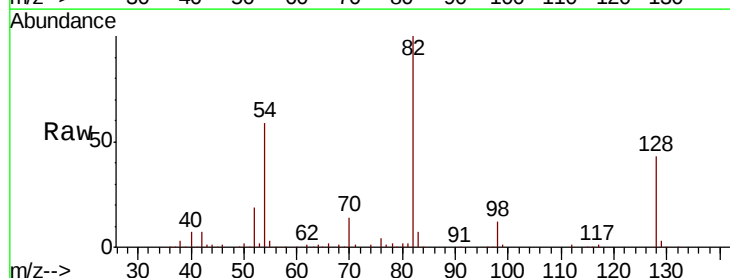


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

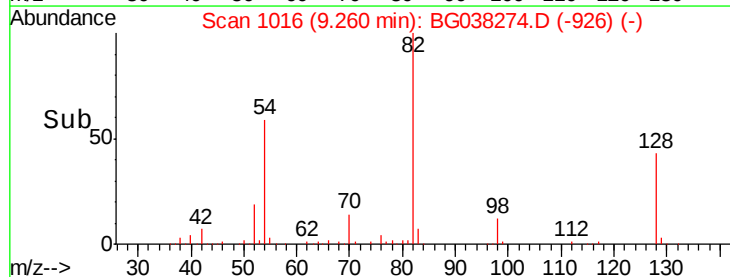
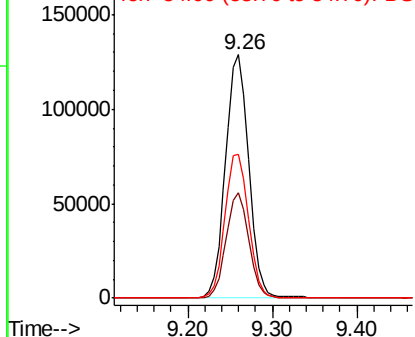


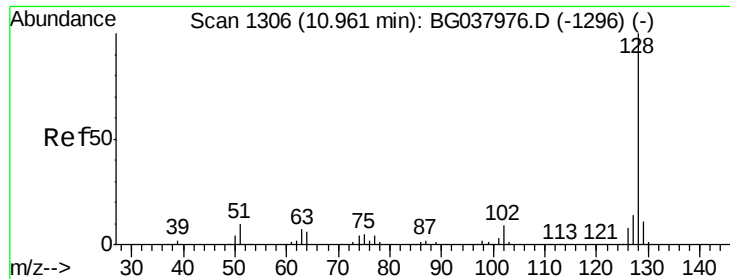
#23
Nitrobenzene-d5
Concen: 84.835 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

Tgt Ion: 82	Resp:	244550
Ion	Ratio	Lower Upper
82	100	
128	43.2	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

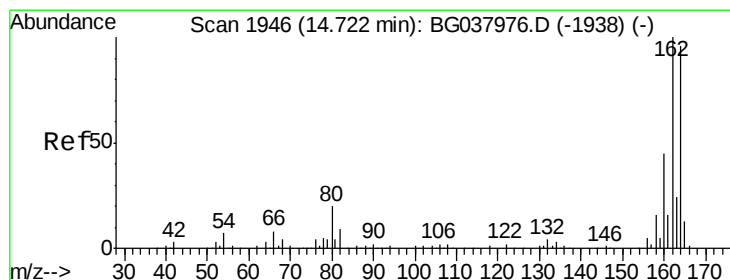
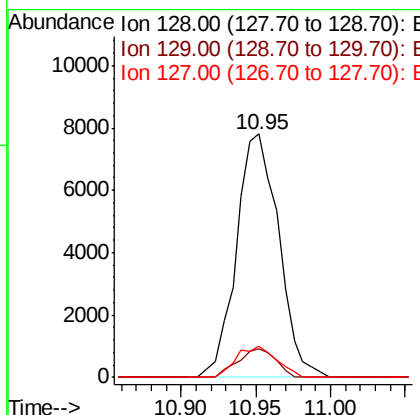
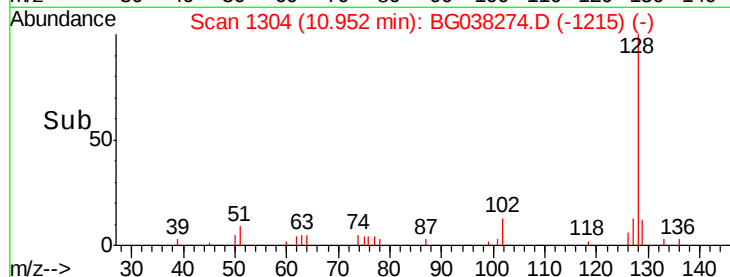
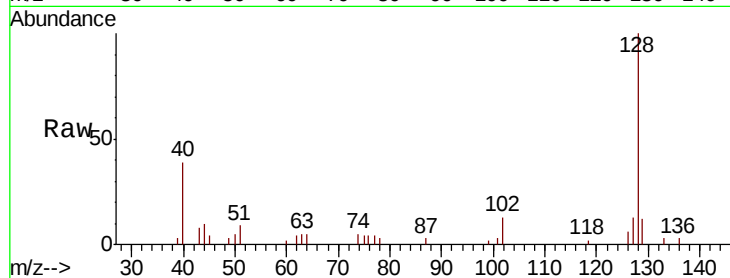




#31
Naphthalene
Concen: 2.014 ng
RT: 10.95 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

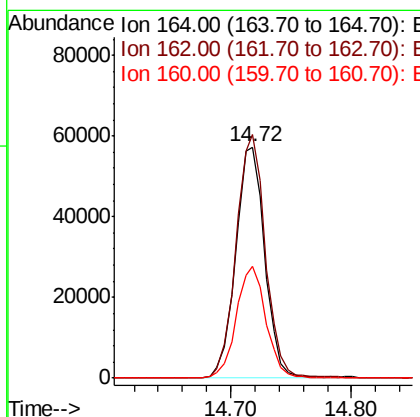
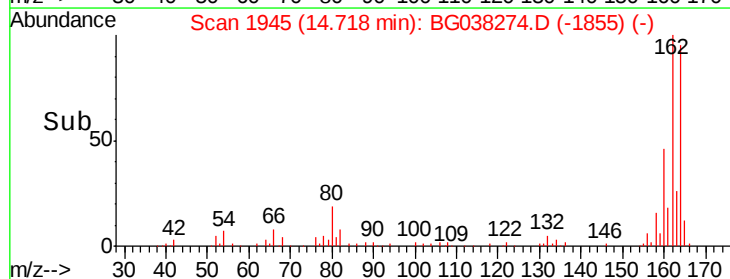
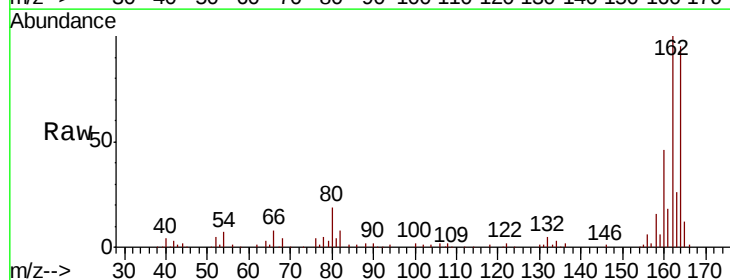
Instrument :
BNA_G
ClientSampleId :
OR-03-112918-B

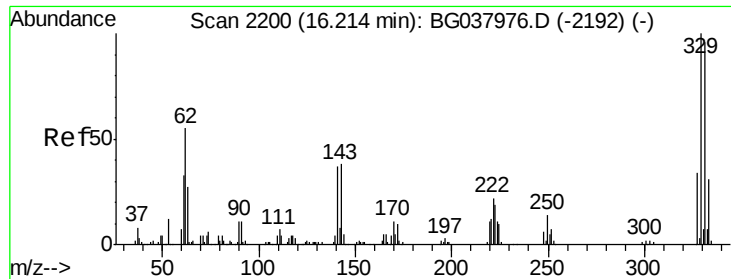
Tot Ion:128 Resp: 15287
Ion Ratio Lower Upper
128 100
129 11.7 9.0 13.6
127 12.6 11.1 16.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

Tgt Ion:164 Resp: 96066
Ion Ratio Lower Upper
164 100
162 105.4 81.3 121.9
160 48.3 36.3 54.5

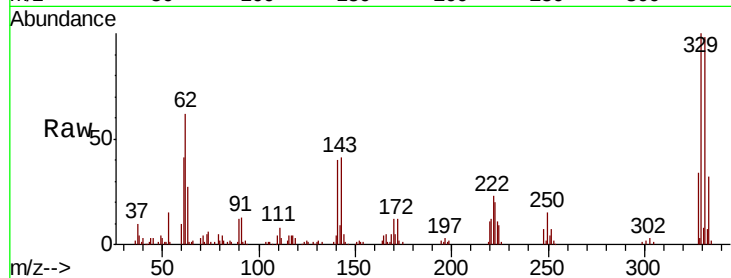




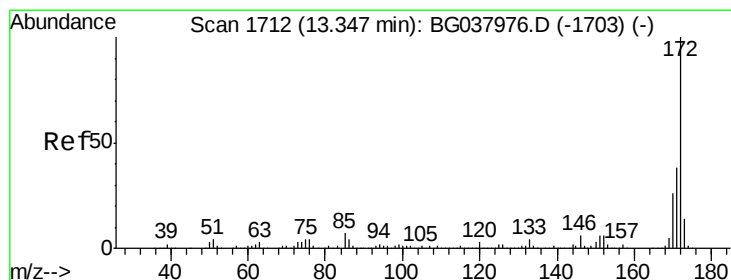
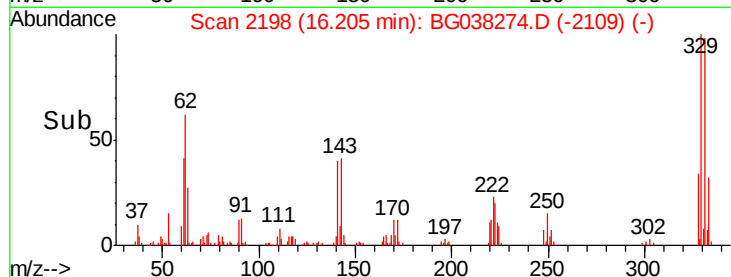
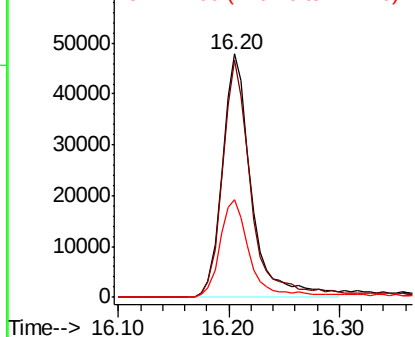
#42
 2,4,6-Tribromophenol
 Concen: 80.423 ng
 RT: 16.20 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BG038274.D
 Acq: 1 Dec 2018 2:34

Instrument :
 BNA_G
 ClientSampleId :
 OR-03-112918-B

Tot Ion:330 Resp: 88112
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.4 117.6
 141 40.2 32.2 48.2

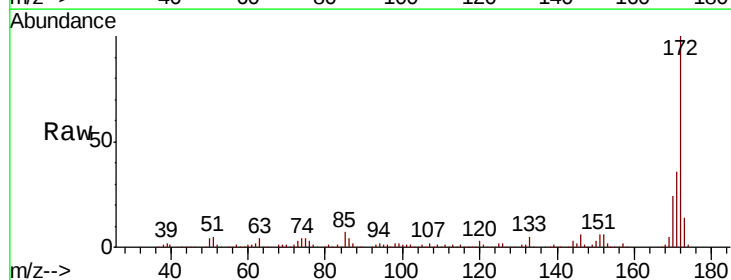


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

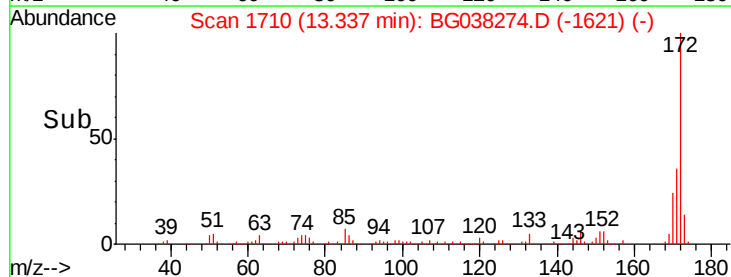
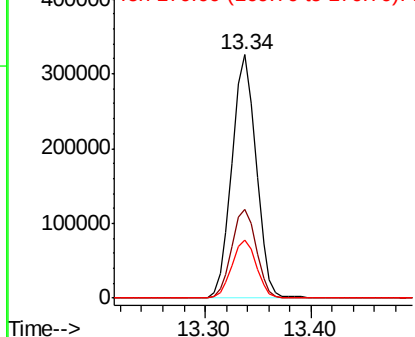


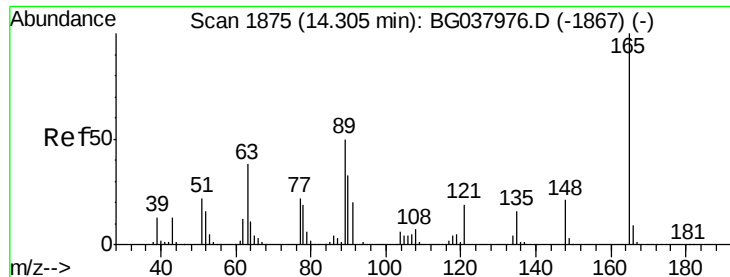
#45
 2-Fluorobiphenyl
 Concen: 78.078 ng
 RT: 13.34 min Scan# 1710
 Delta R.T. -0.01 min
 Lab File: BG038274.D
 Acq: 1 Dec 2018 2:34

Tgt Ion:172 Resp: 514854
 Ion Ratio Lower Upper
 172 100
 171 36.5 31.0 46.4
 170 23.8 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

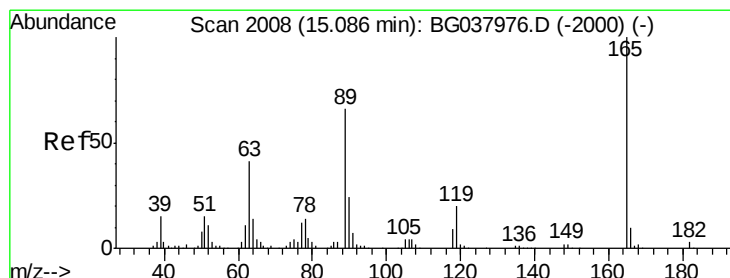
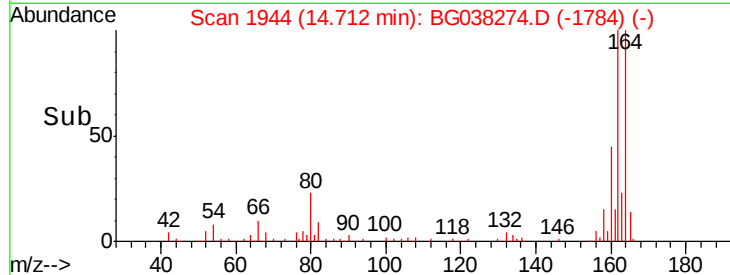
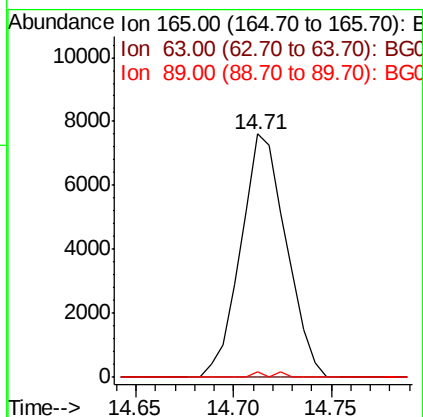
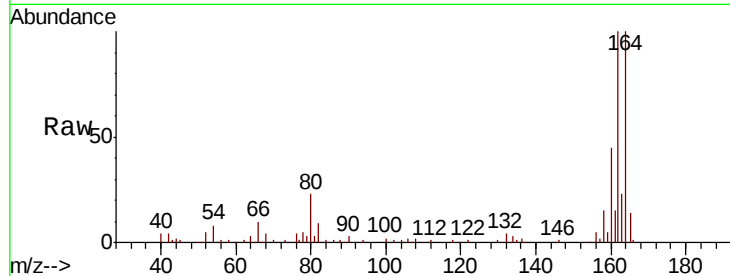




#51
 2,6-Dinitrotoluene
 Concen: 7.111 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. 0.41 min
 Lab File: BG038274.D
 Acq: 1 Dec 2018 2:34

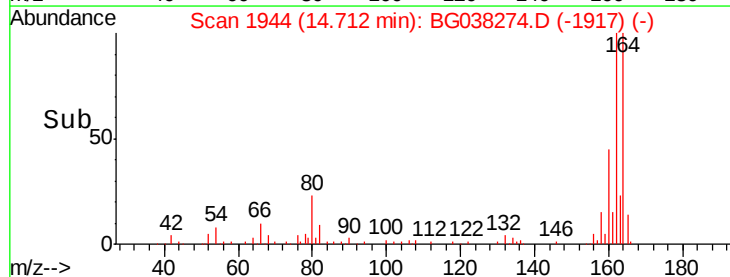
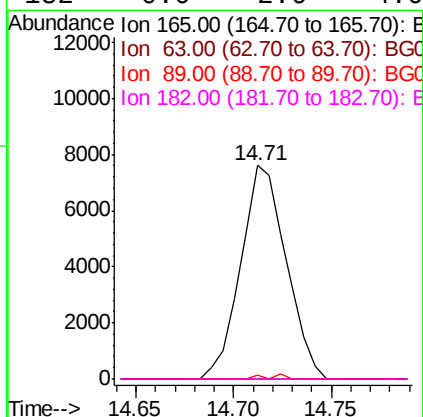
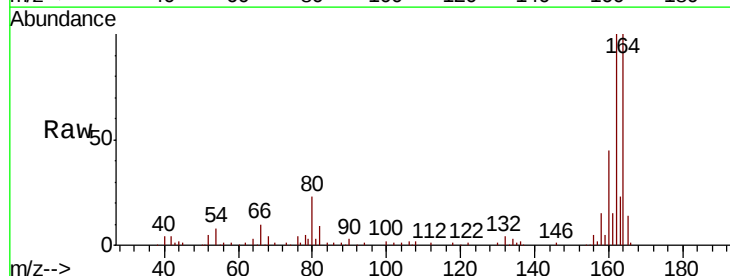
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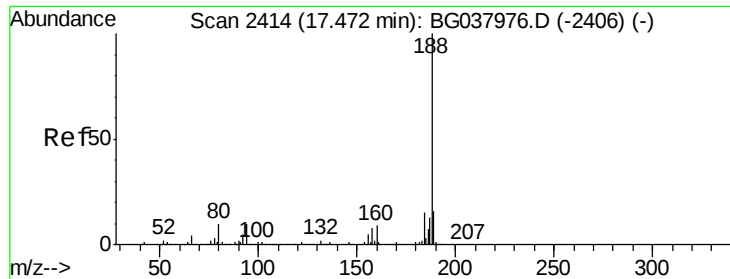
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	2.1	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.226 ng
 RT: 14.71 min Scan# 1944
 Delta R.T. -0.37 min
 Lab File: BG038274.D
 Acq: 1 Dec 2018 2:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	2.1	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: BG038274.D

Acq: 1 Dec 2018 2:34

Instrument :

BNA_G

ClientSampleId :

OR-03-112918-B

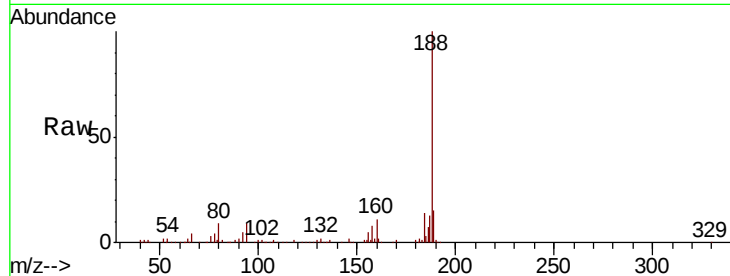
Tot Ion:188 Resp: 211602

Ion Ratio Lower Upper

188 100

94 8.8 7.2 10.8

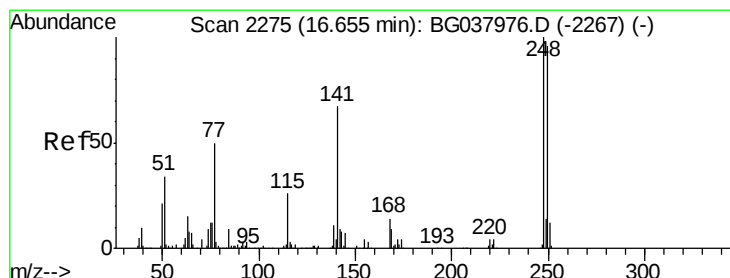
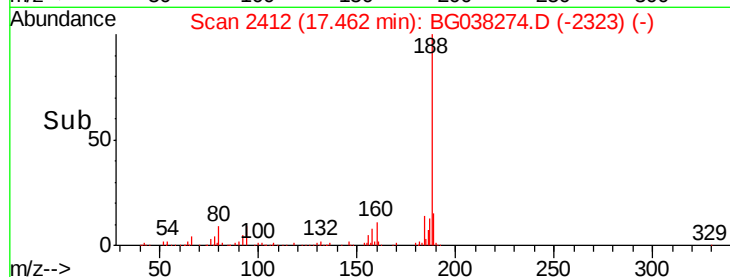
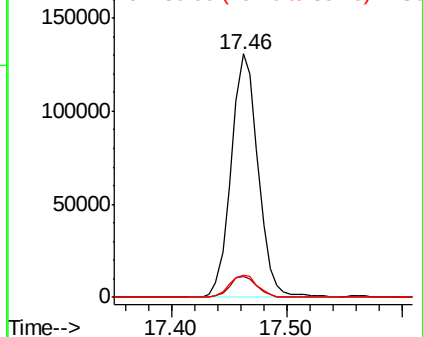
80 9.3 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 2.522 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.44 min

Lab File: BG038274.D

Acq: 1 Dec 2018 2:34

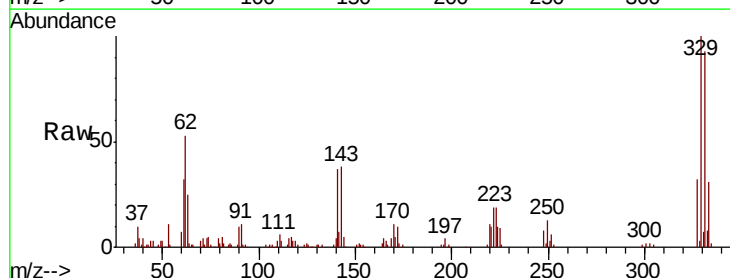
Tgt Ion:248 Resp: 5857

Ion Ratio Lower Upper

248 100

250 206.1 77.0 115.6#

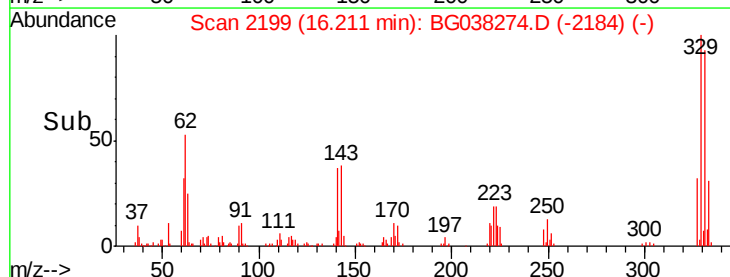
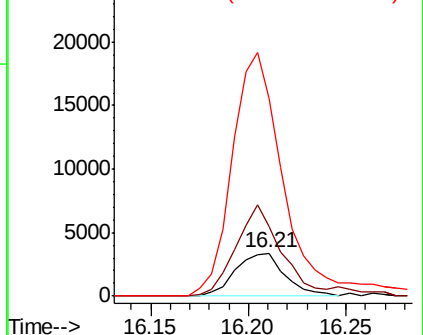
141 463.2 55.5 83.3#

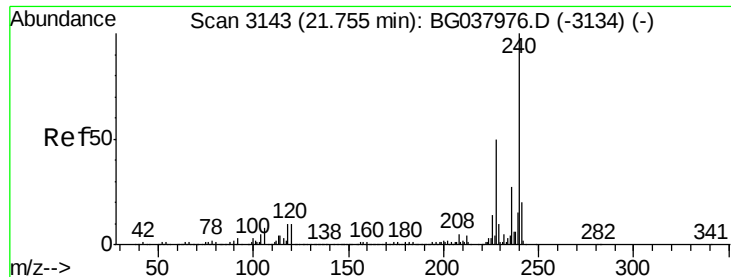


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

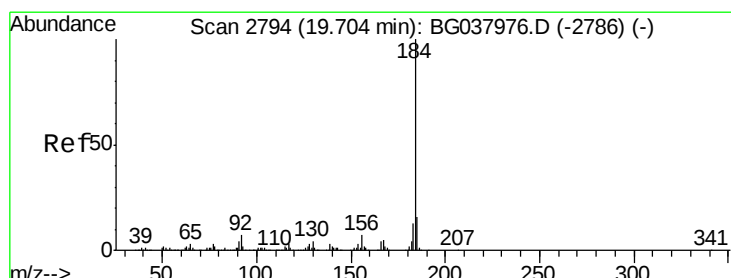
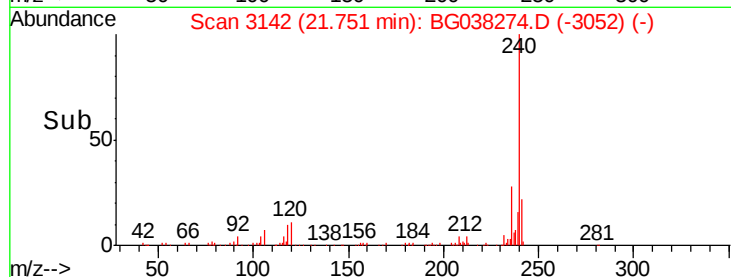
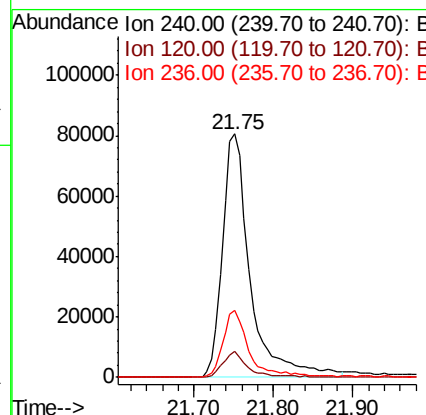
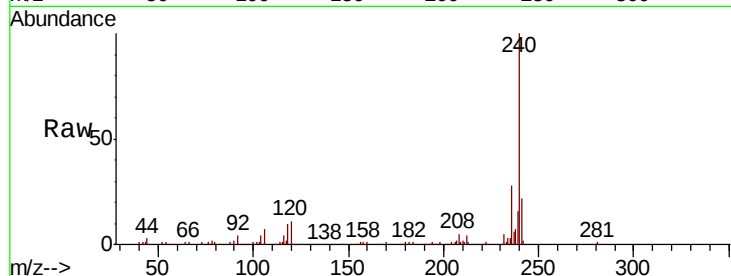




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

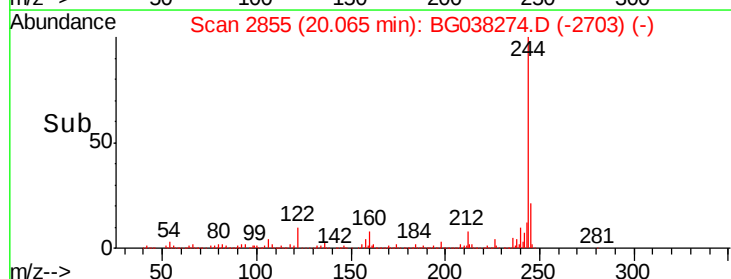
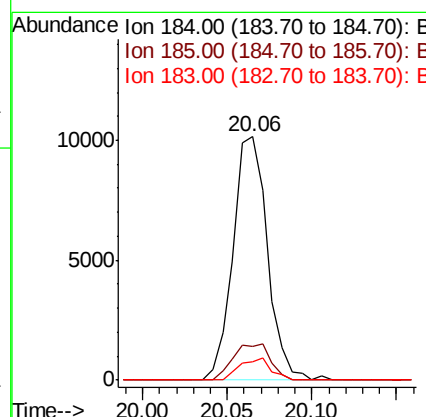
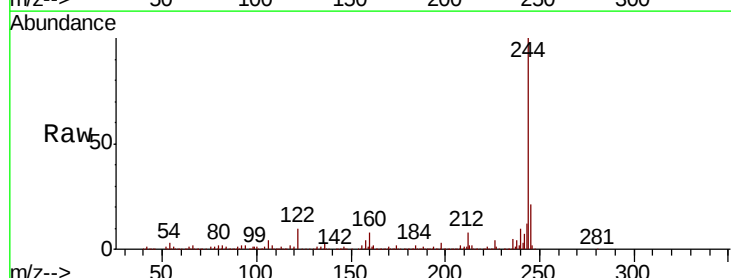
Instrument :
BNA_G
ClientSampleId :
OR-03-112918-B

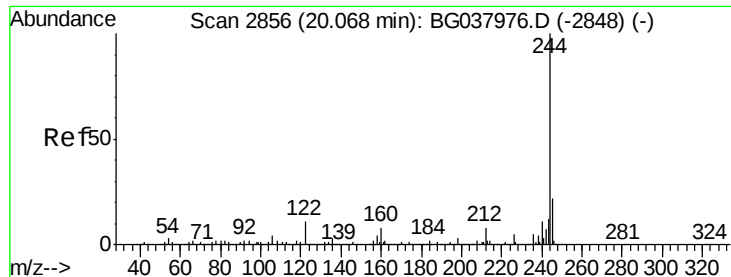
Tot Ion:240 Resp: 195517
Ion Ratio Lower Upper
240 100
120 10.5 8.1 12.1
236 27.7 21.4 32.0



#77
Benzidine
Concen: 2.096 ng
RT: 20.06 min Scan# 2855
Delta R.T. 0.36 min
Lab File: BG038274.D
Acq: 1 Dec 2018 2:34

Tgt Ion:184 Resp: 14381
Ion Ratio Lower Upper
184 100
185 14.0 12.6 18.8
183 7.8 10.2 15.2#





#79

Terphenyl-d14

Concen: 102.278 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG038274.D

Acq: 1 Dec 2018 2:34

Instrument :

BNA_G

ClientSampleId :

OR-03-112918-B

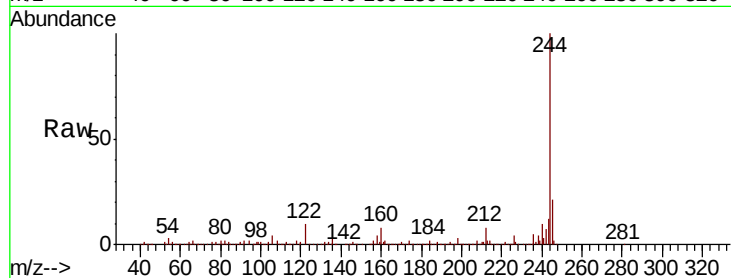
Tot Ion:244 Resp: 849849

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

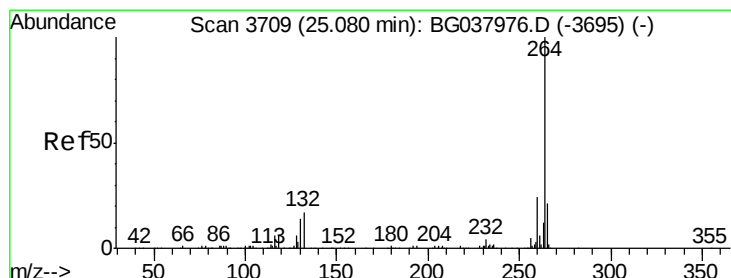
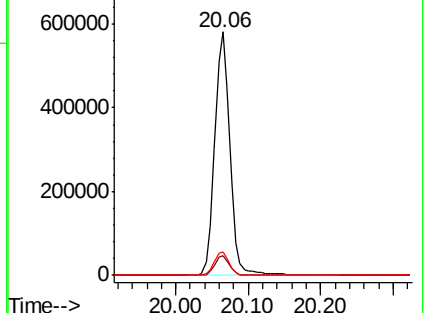
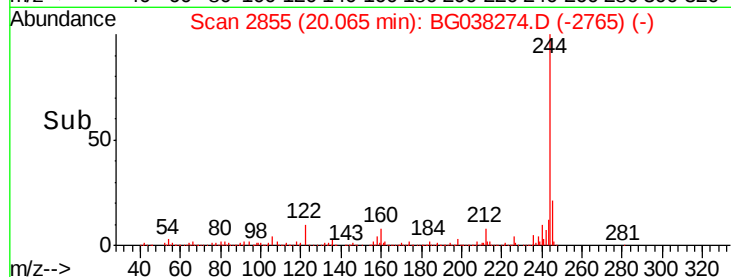
122 9.5 9.0 13.4



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

Perylene-d12

Concen: 20.000 ng

RT: 25.08 min Scan# 3709

Delta R.T. 0.00 min

Lab File: BG038274.D

Acq: 1 Dec 2018 2:34

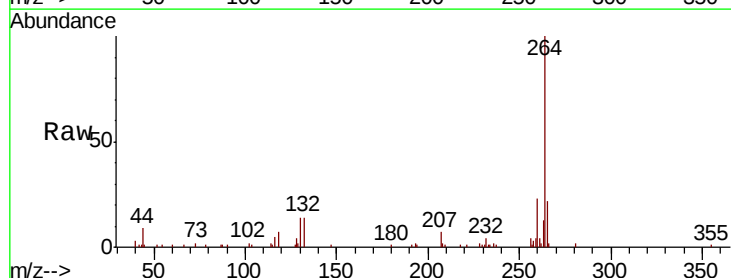
Tgt Ion:264 Resp: 114077

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.7 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

