

Data File : BG038241.D
Acq On : 29 Nov 2018 20:20
Operator : JU/SJ
Sample : J5767-20
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
CL-02-112818-B

Quant Time: Nov 30 00:25:14 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

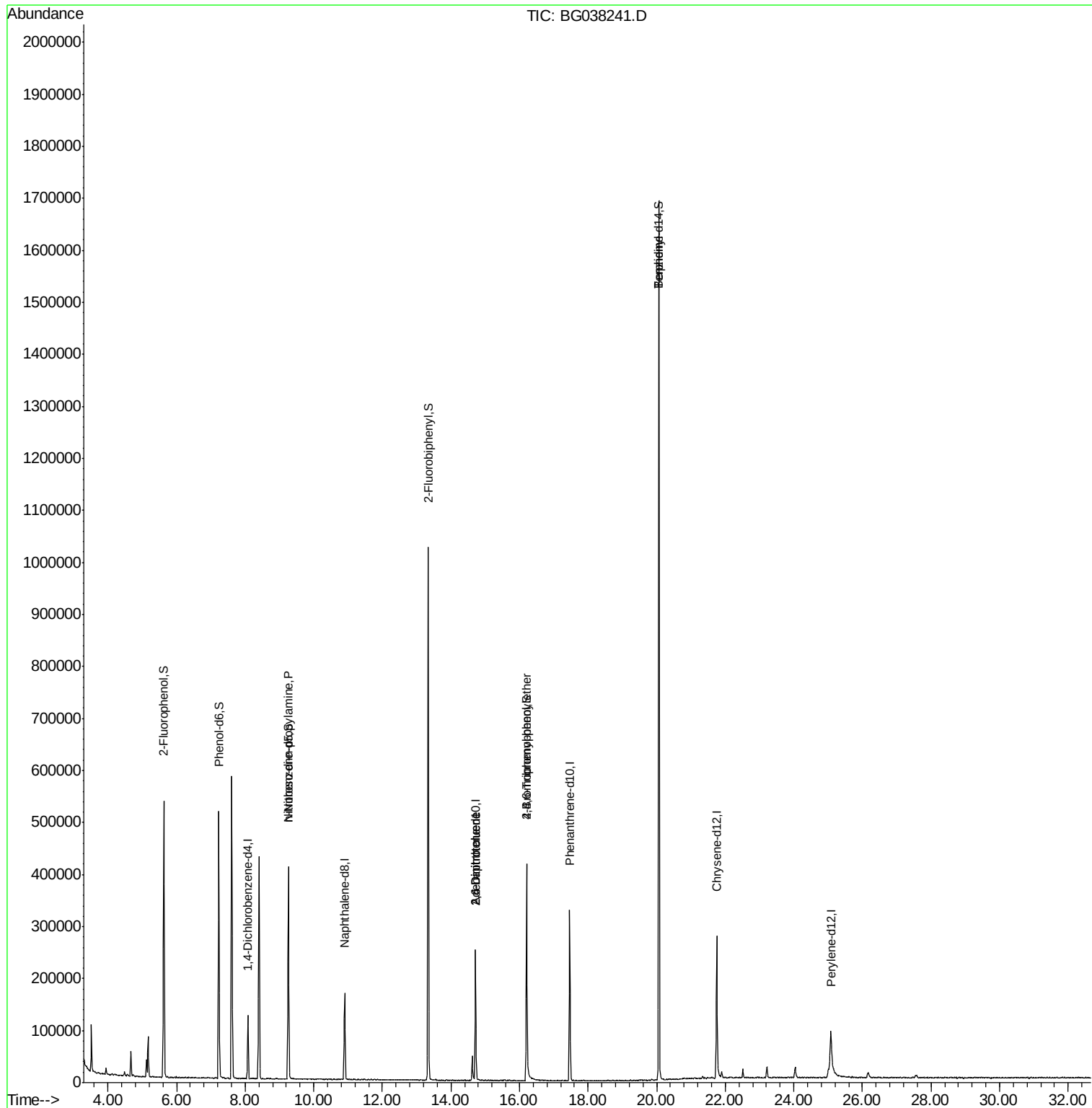
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	33206	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	147910	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	90961	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	204090	20.00	ng	0.00
76) Chrysene-d12	21.75	240	196365	20.00	ng	0.00
87) Perylene-d12	25.07	264	155394	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	239235	124.39	ng	0.00
7) Phenol-d6	7.23	99	303898	110.70	ng	0.00
23) Nitrobenzene-d5	9.26	82	253361	91.69	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	88338	85.15	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	560711	89.80	ng	0.00
79) Terphenyl-d14	20.07	244	860034	103.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.26	70	33993	17.112	ng	# 72
51) 2,6-Dinitrotoluene	14.72	165	11839	7.254	ng	# 23
57) 2,4-Dinitrotoluene	14.72	165	11839	5.331	ng	# 23
67) 4-Bromophenyl-phenylether	16.20	248	6291	2.808	ng	# 1
77) Benzidine	20.06	184	15056	2.185	ng	95

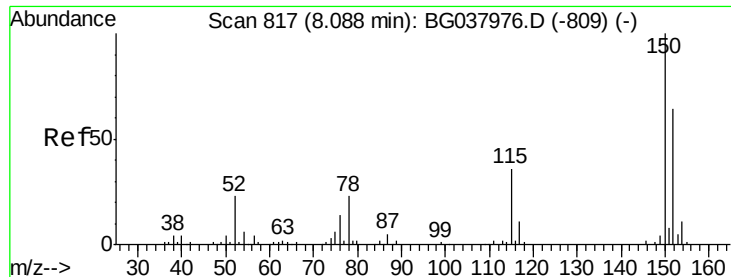
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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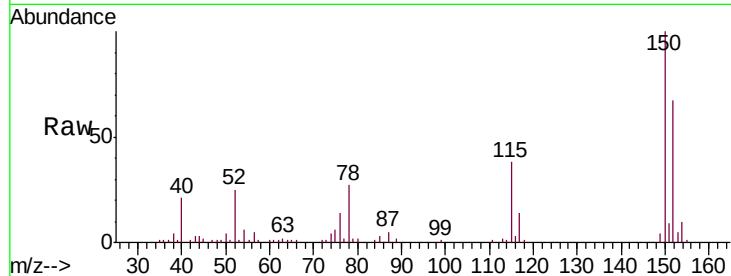


#1

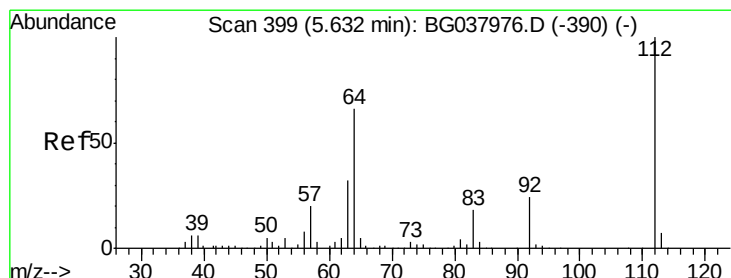
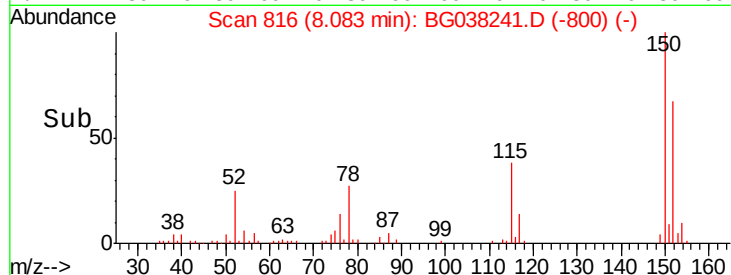
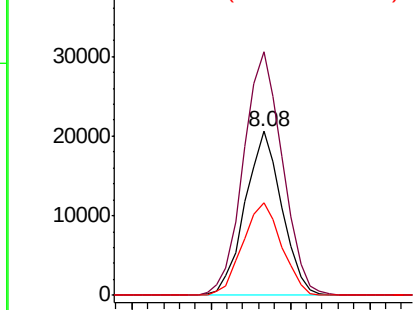
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.01 min
Lab File: BG038241.D
Acq: 29 Nov 2018 20:20

Instrument :
BNA_G
ClientSampleId :
CL-02-112818-B

Tgt Ion:152 Resp: 33206
Ion Ratio Lower Upper
152 100
150 148.4 126.0 189.0
115 56.4 45.5 68.3



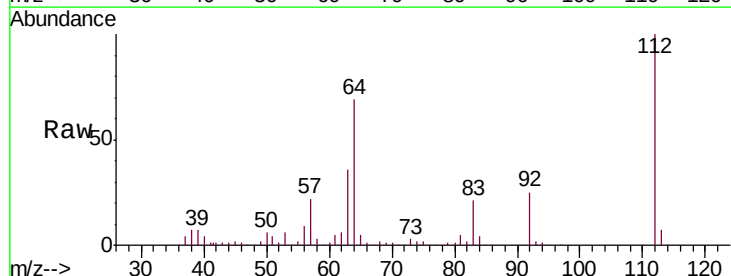
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



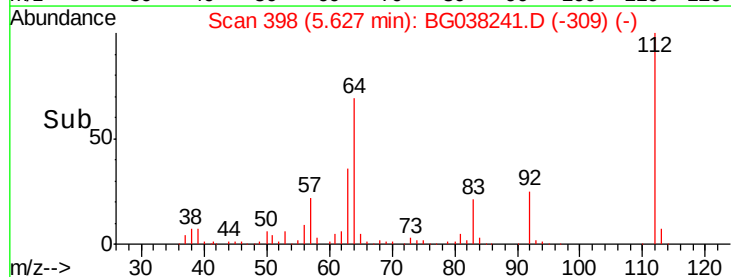
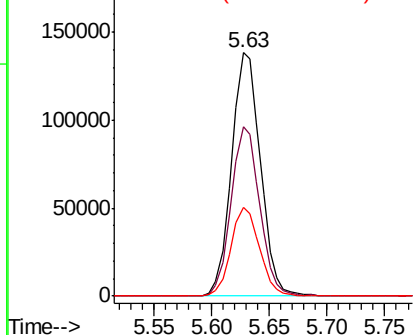
#5

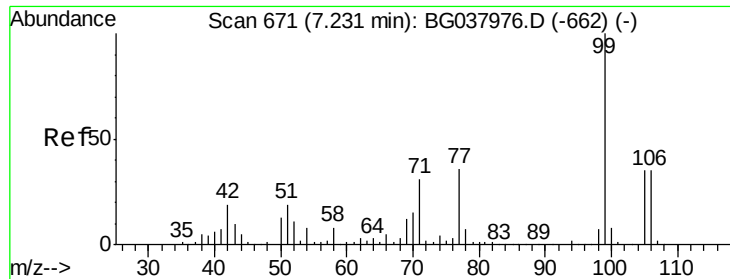
2-Fluorophenol
Concen: 124.392 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038241.D
Acq: 29 Nov 2018 20:20

Tgt Ion:112 Resp: 239235
Ion Ratio Lower Upper
112 100
64 69.4 53.1 79.7
63 36.5 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: 110.697 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038241.D

Acq: 29 Nov 2018 20:20

Instrument :

BNA_G

ClientSampleId :

CL-02-112818-B

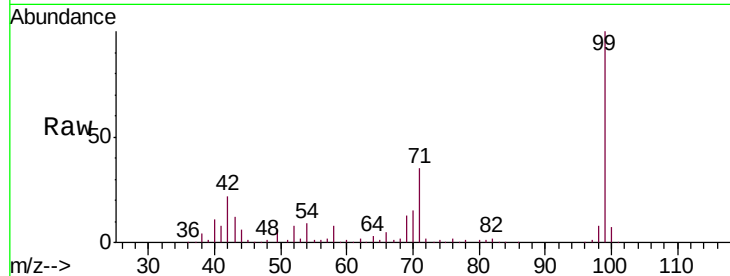
Tgt Ion: 99 Resp: 303898

Ion Ratio Lower Upper

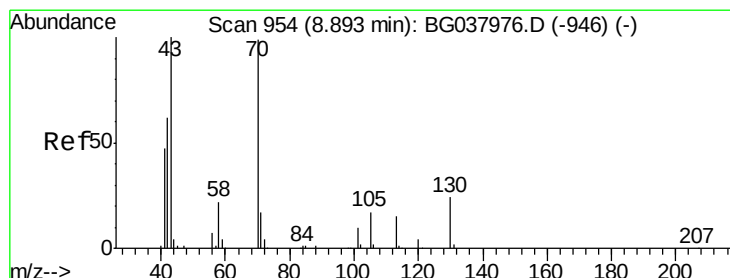
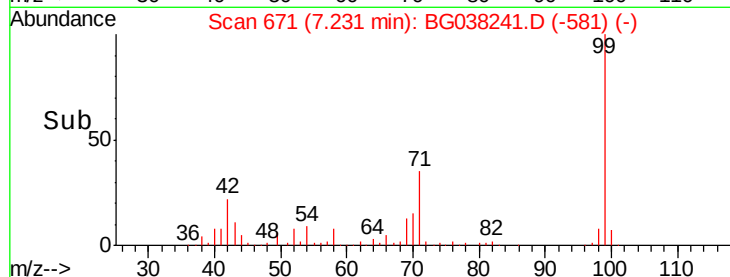
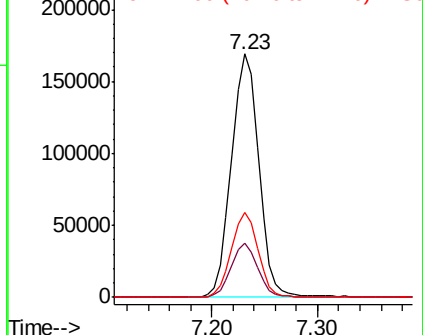
99 100

42 22.2 15.0 22.4

71 35.0 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: 17.112 ng

RT: 9.26 min Scan# 1017

Delta R.T. 0.37 min

Lab File: BG038241.D

Acq: 29 Nov 2018 20:20

Tgt Ion: 70 Resp: 33993

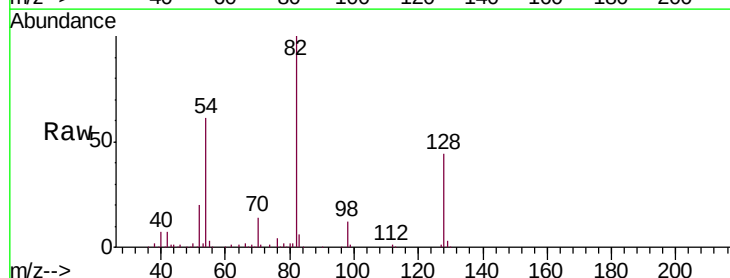
Ion Ratio Lower Upper

70 100

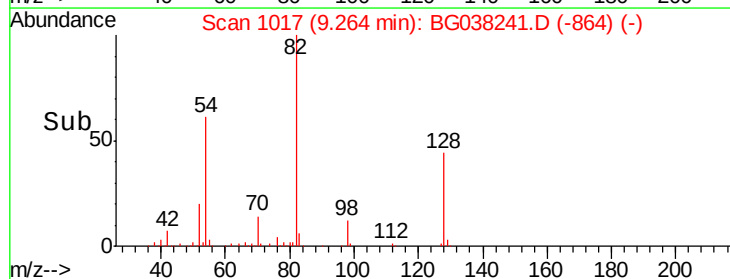
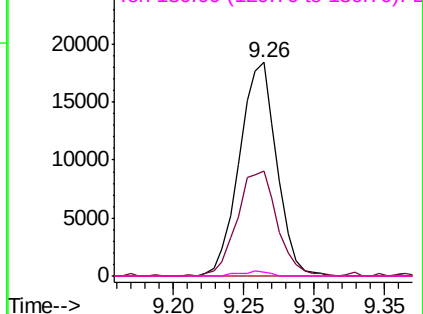
42 49.4 53.9 80.9#

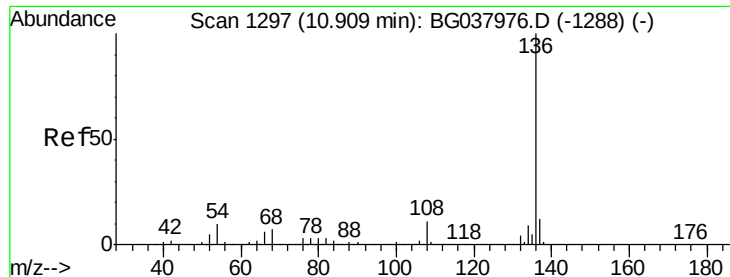
101 0.0 8.2 12.2#

130 1.8 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

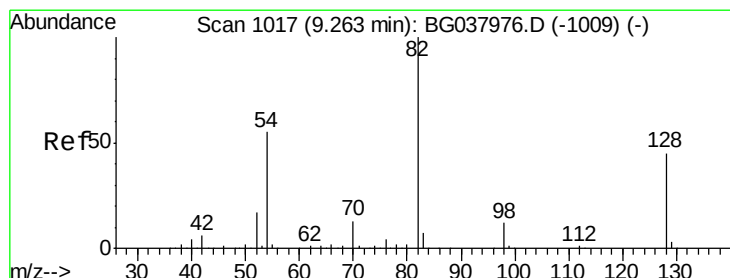
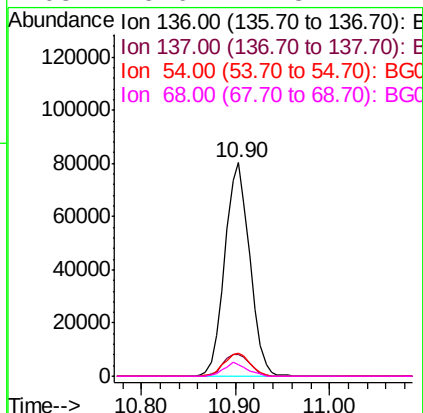
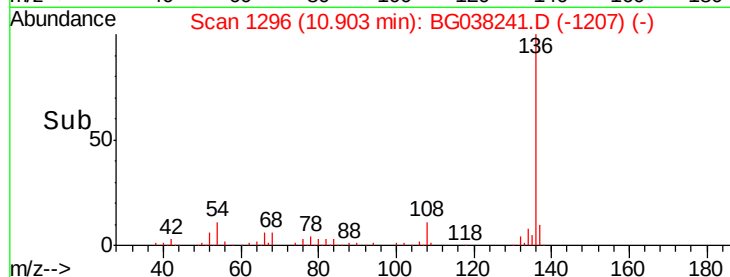
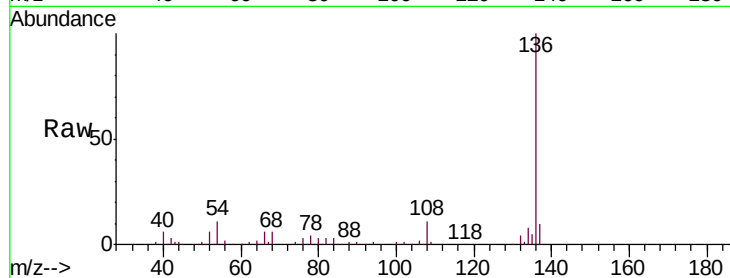




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.90 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BG038241.D
Acq: 29 Nov 2018 20:20

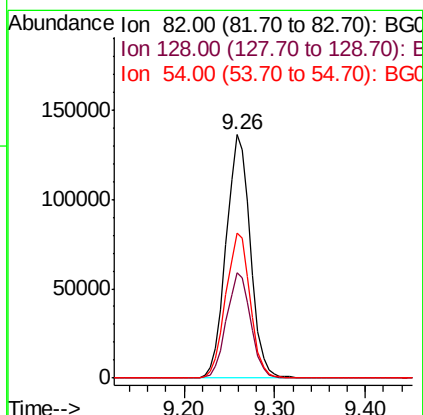
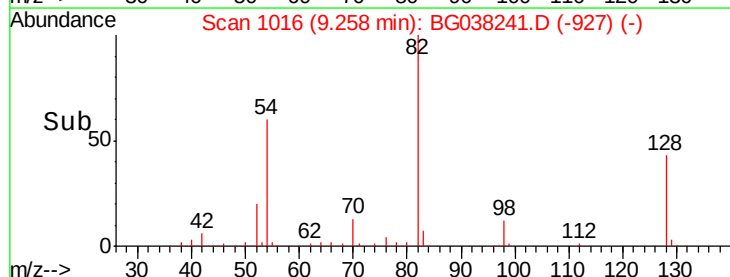
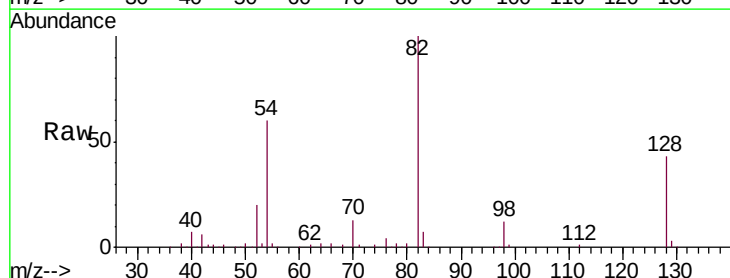
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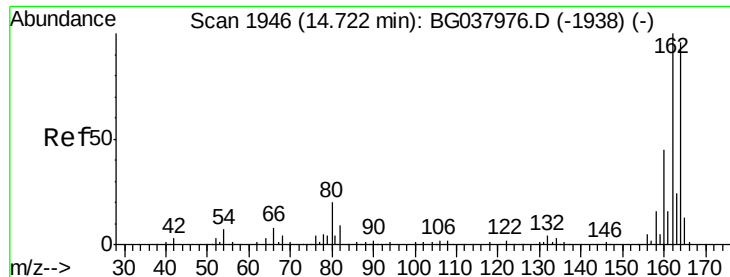
Tgt Ion:	136	Resp:	147910
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.6	14.4
54	11.0	7.9	11.9
68	5.6	4.8	7.2



#23
Nitrobenzene-d5
Concen: 91.694 ng
RT: 9.26 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BG038241.D
Acq: 29 Nov 2018 20:20

Tgt Ion:	82	Resp:	253361
Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	51.8
54	59.6	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: BG038241.D

Acq: 29 Nov 2018 20:20

Instrument :

BNA_G

ClientSampleId :

CL-02-112818-B

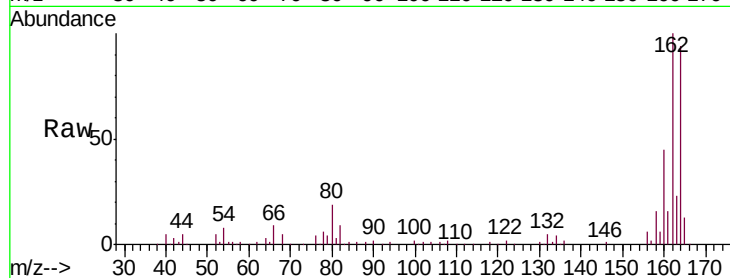
Tgt Ion:164 Resp: 90961

Ion Ratio Lower Upper

164 100

162 106.5 81.3 121.9

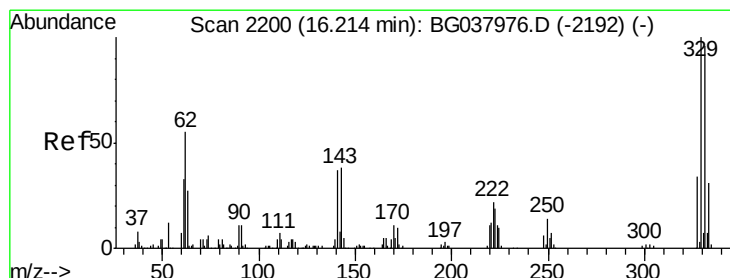
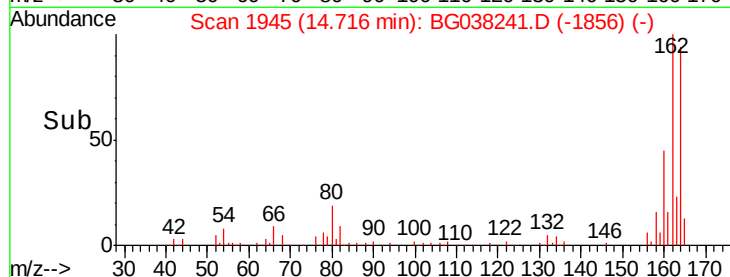
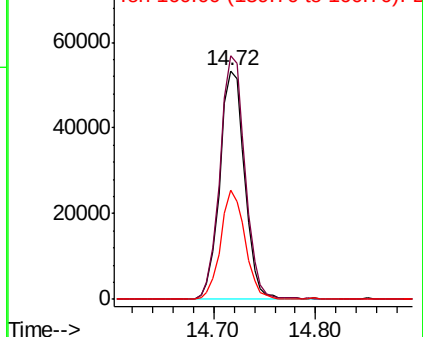
160 47.7 36.3 54.5



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: 85.154 ng

RT: 16.21 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG038241.D

Acq: 29 Nov 2018 20:20

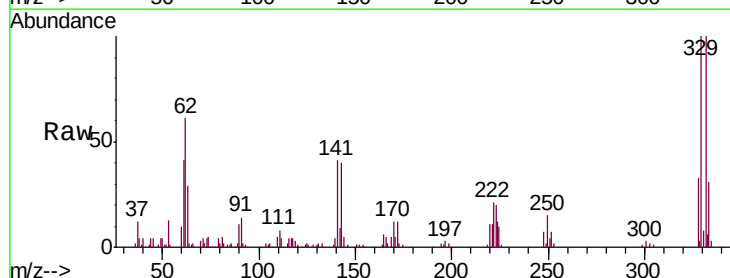
Tgt Ion:330 Resp: 88338

Ion Ratio Lower Upper

330 100

332 100.4 78.4 117.6

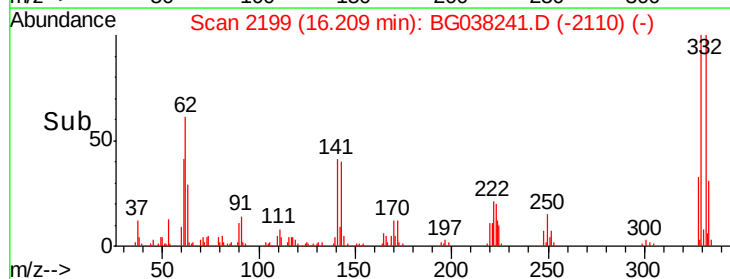
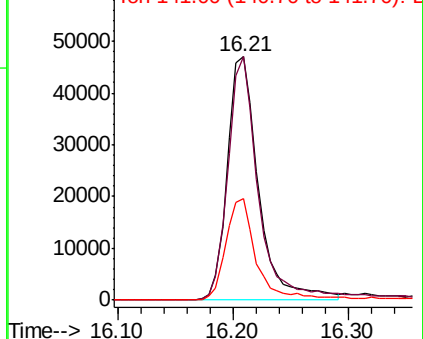
141 41.3 32.2 48.2

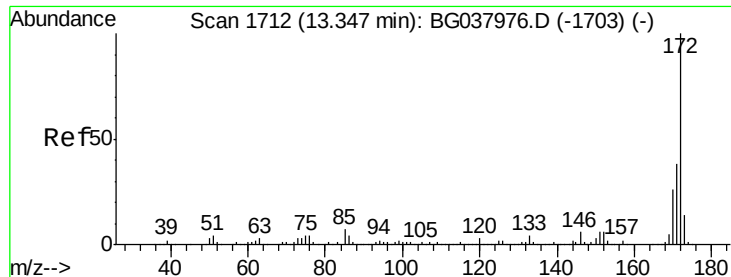


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

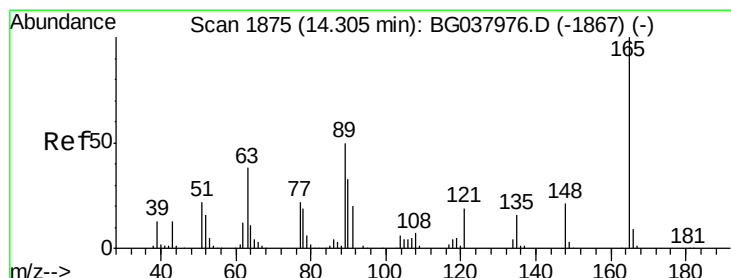
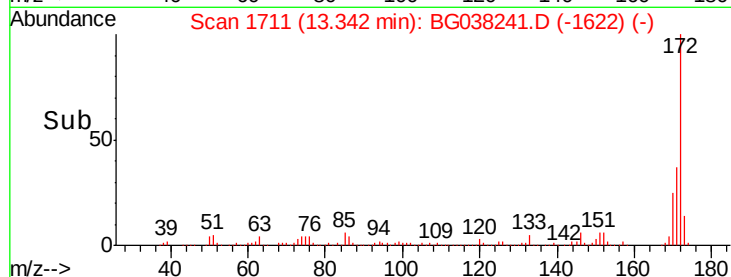
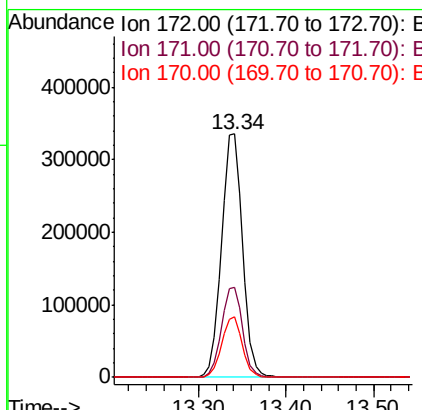
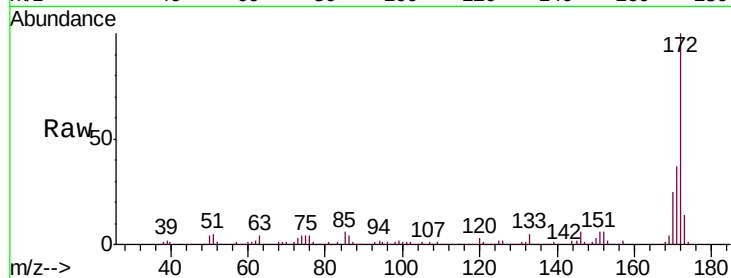




#45
 2-Fluorobiphenyl
 Concen: 89.805 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG038241.D
 Acq: 29 Nov 2018 20:20

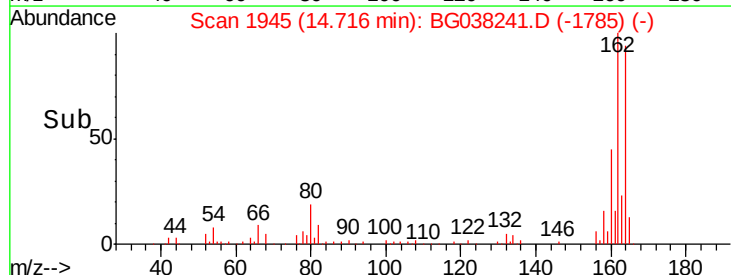
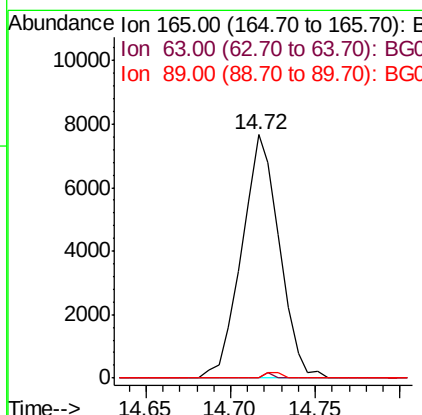
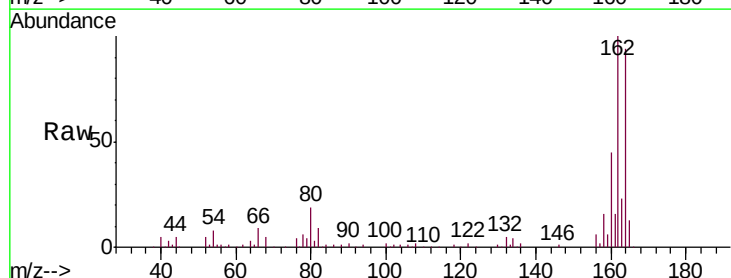
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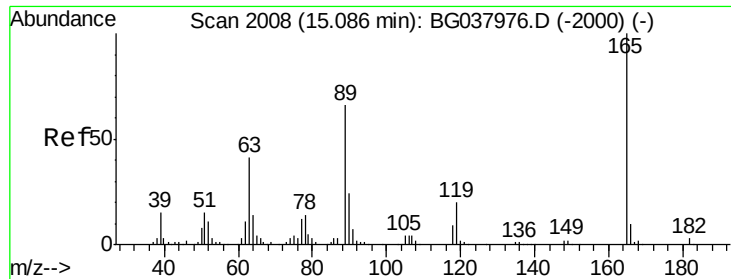
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	31.0	46.4
170	24.6	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.254 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. 0.41 min
 Lab File: BG038241.D
 Acq: 29 Nov 2018 20:20

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

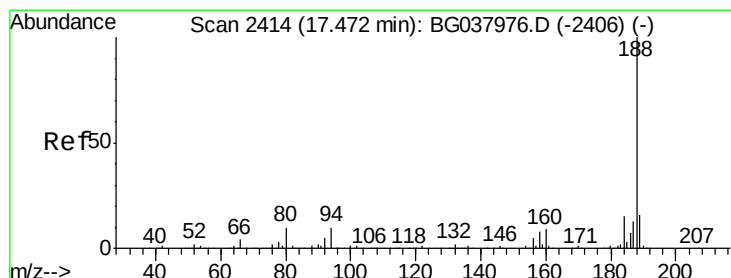
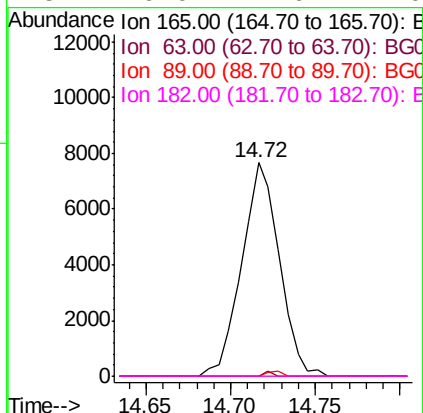
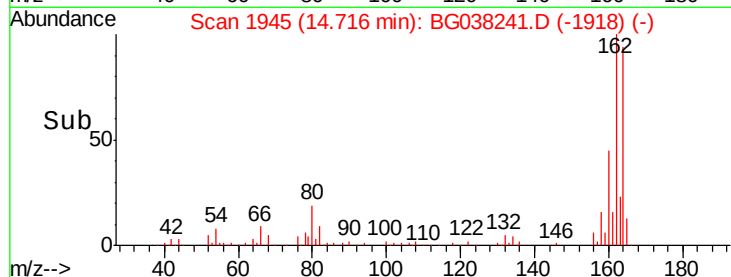
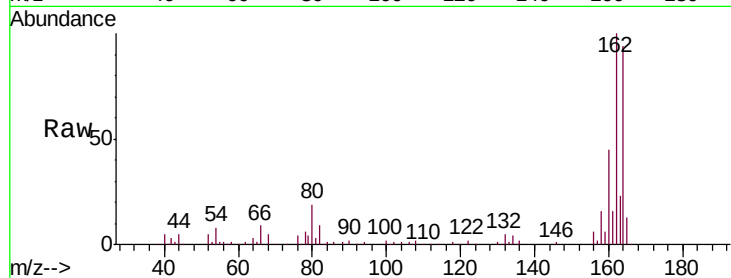




#57
 2,4-Dinitrotoluene
 Concen: 5.331 ng
 RT: 14.72 min Scan# 1945
 Delta R.T. -0.37 min
 Lab File: BG038241.D
 Acq: 29 Nov 2018 20:20

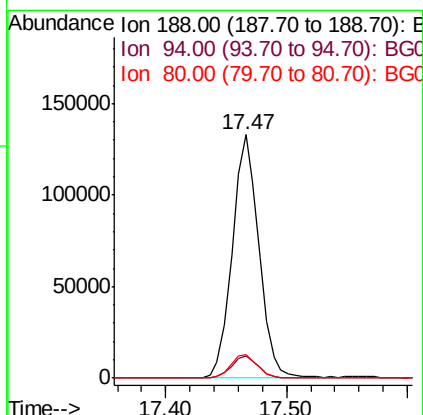
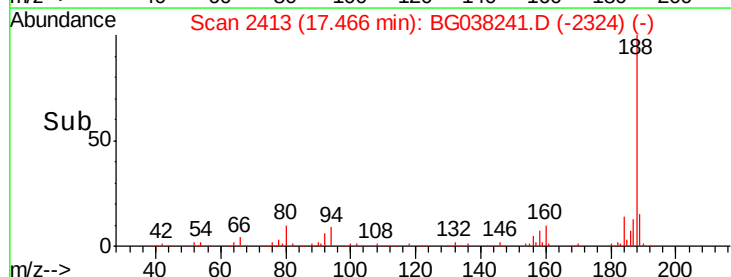
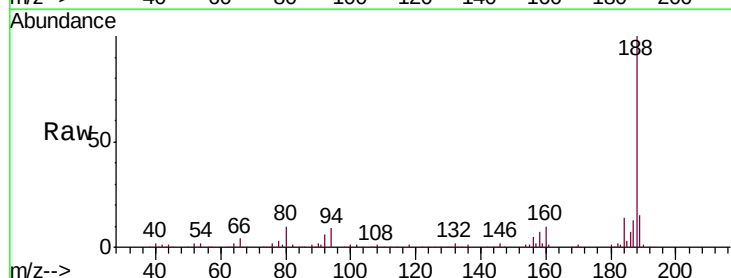
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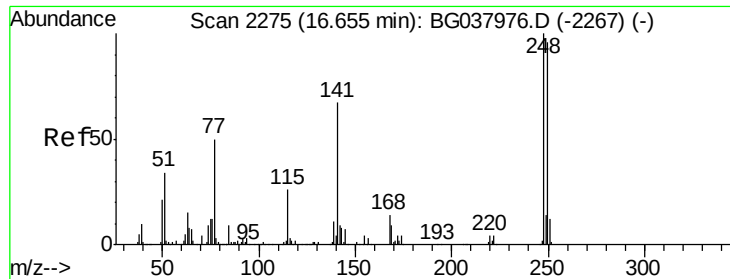
Tgt Ion:	165	Resp:	11839
Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	0.0	57.2	85.8#
182	0.0	2.6	4.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.47 min Scan# 2413
 Delta R.T. -0.01 min
 Lab File: BG038241.D
 Acq: 29 Nov 2018 20:20

Tgt Ion:	188	Resp:	204090
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	9.6	7.7	11.5

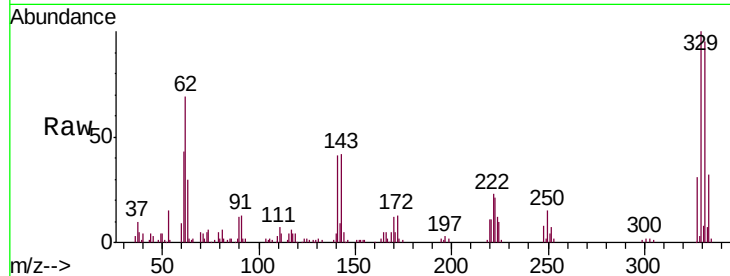




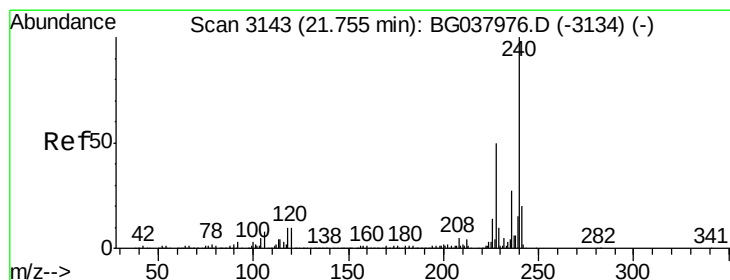
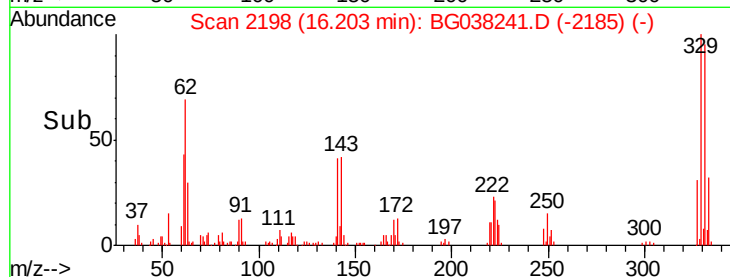
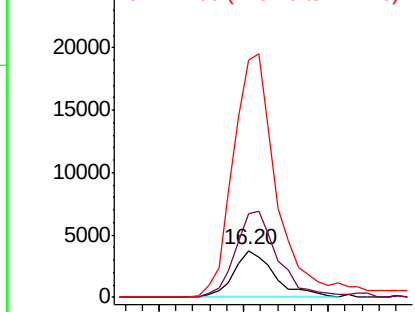
#67
4-Bromophenyl-phenylether
Concen: 2.808 ng
RT: 16.20 min Scan# 2198
Delta R.T. -0.45 min
Lab File: BG038241.D
Acq: 29 Nov 2018 20:20

Instrument :
BNA_G
ClientSampleId :
CL-02-112818-B

Tgt Ion:248 Resp: 6291
Ion Ratio Lower Upper
248 100
250 229.8 77.0 115.6#
141 504.7 55.5 83.3#

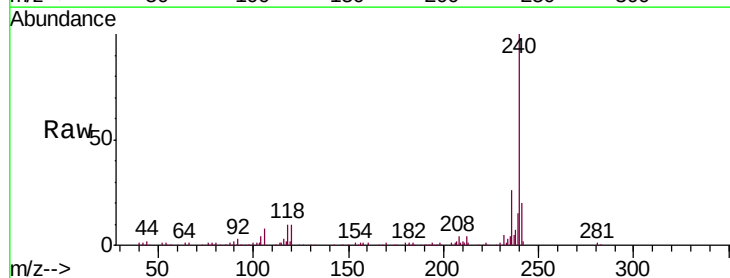


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

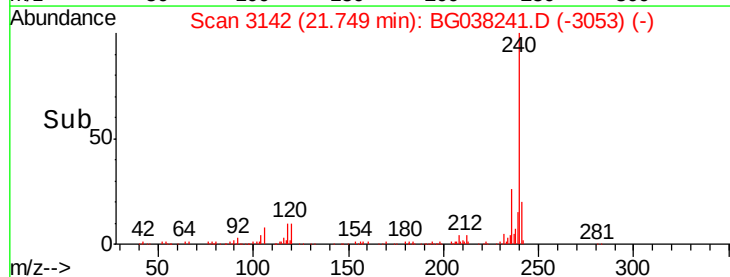
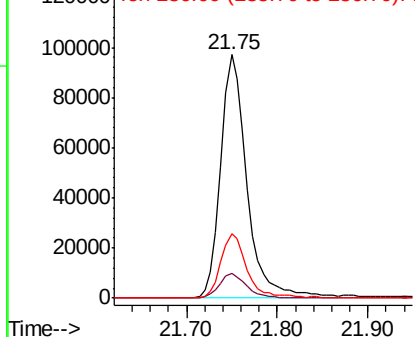


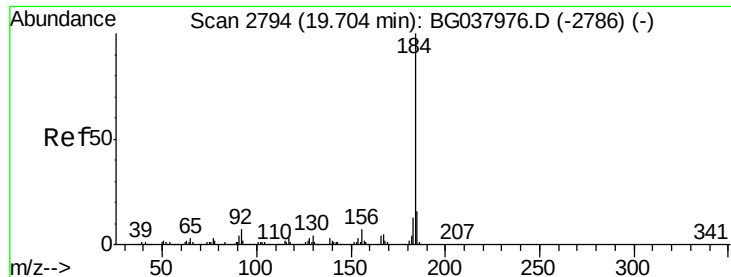
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG038241.D
Acq: 29 Nov 2018 20:20

Tgt Ion:240 Resp: 196365
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 26.4 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: 2.185 ng

RT: 20.06 min Scan# 2855

Delta R.T. 0.36 min

Lab File: BG038241.D

Acq: 29 Nov 2018 20:20

Instrument :

BNA_G

ClientSampleId :

CL-02-112818-B

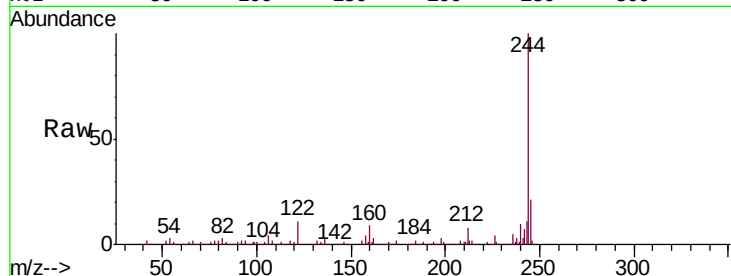
Tgt Ion:184 Resp: 15056

Ion Ratio Lower Upper

184 100

185 17.7 12.6 18.8

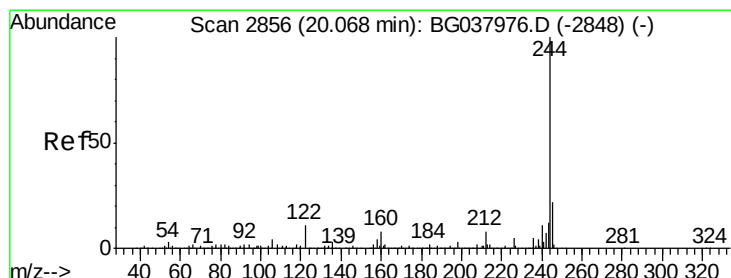
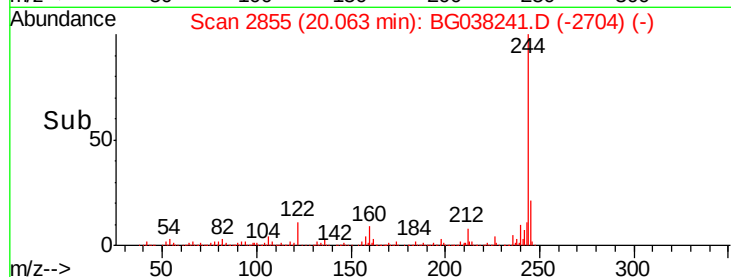
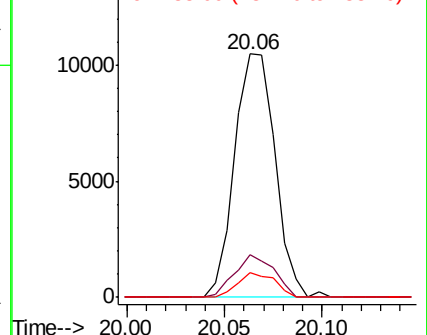
183 10.2 10.2 15.2



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: 103.056 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG038241.D

Acq: 29 Nov 2018 20:20

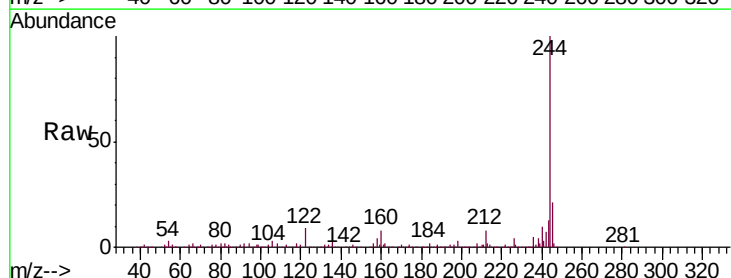
Tgt Ion:244 Resp: 860034

Ion Ratio Lower Upper

244 100

212 8.0 6.5 9.7

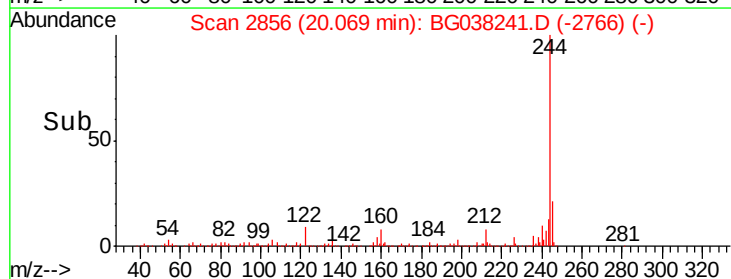
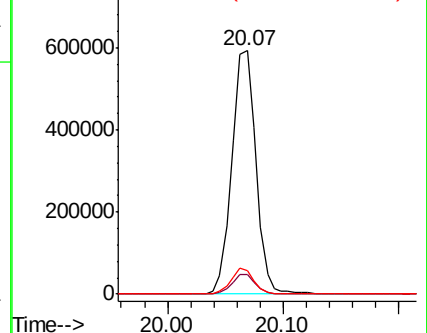
122 9.4 9.0 13.4

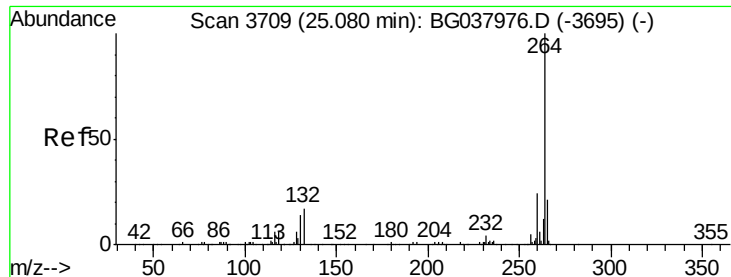


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.07 min Scan# 3708
Delta R.T. -0.01 min
Lab File: BG038241.D
Acq: 29 Nov 2018 20:20

Instrument :
BNA_G
ClientSampleId :
CL-02-112818-B

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.5	18.2	27.4
265	19.4	17.9	26.9

