

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\
 Data File : BG037622.D
 Acq On : 29 Oct 2018 14:32
 Operator : JU/SJ
 Sample : J5696-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 04:43:16 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

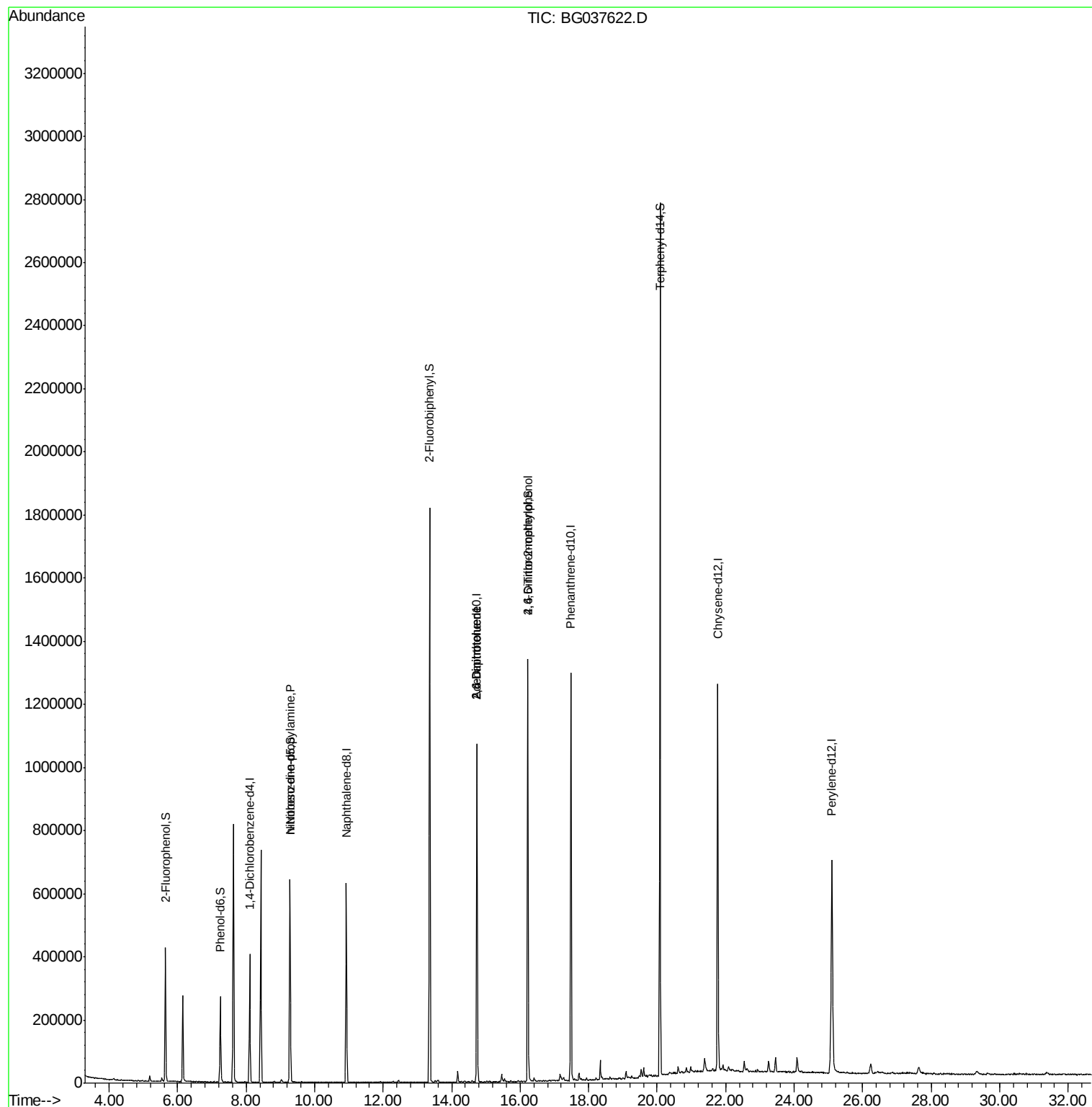
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	120331	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	552819	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	375262	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	851448	20.00	ng	0.00
76) Chrysene-d12	21.77	240	757749	20.00	ng	0.00
87) Perylene-d12	25.10	264	789036	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	197656	27.46	ng	0.00
7) Phenol-d6	7.24	99	176611	16.23	ng	0.00
23) Nitrobenzene-d5	9.28	82	411038	41.65	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	248590	60.74	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1002040	40.27	ng	0.00
79) Terphenyl-d14	20.08	244	1363568	38.45	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	50974	6.802	ng	# 72
51) 2,6-Dinitrotoluene	14.74	165	48551	7.560	ng	# 26
57) 2,4-Dinitrotoluene	14.74	165	48551	5.759	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	732	8.642	ng	71

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

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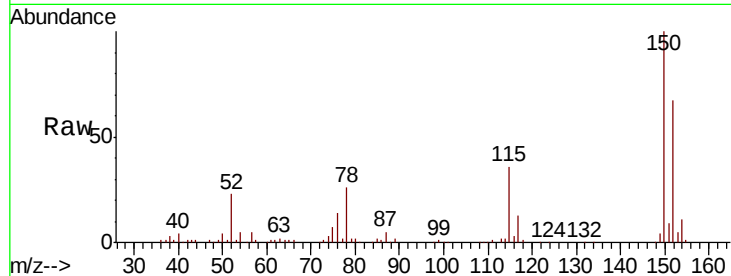


#1

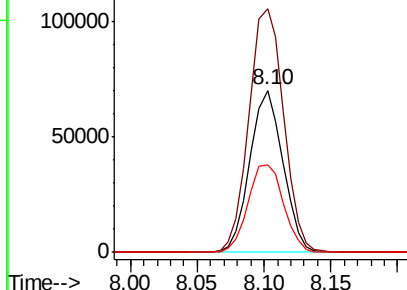
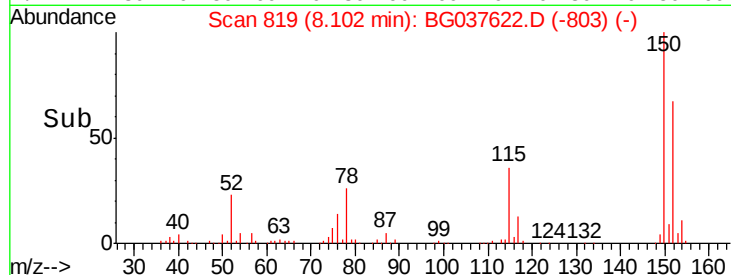
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037622.D
Acq: 29 Oct 2018 14:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	126.0	189.0
115	54.3	45.5	68.3



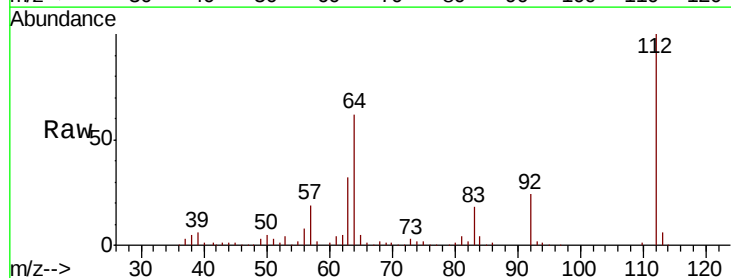
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



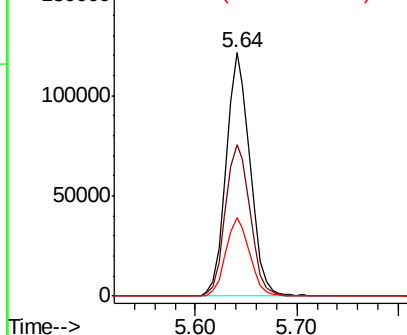
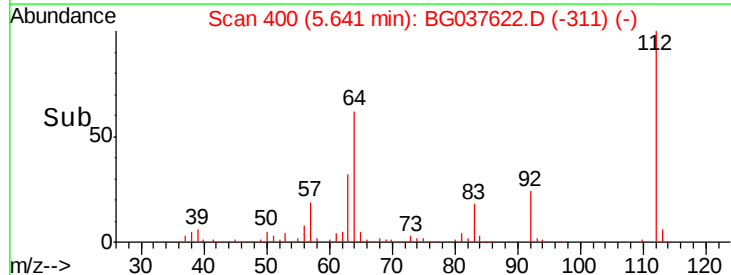
#5

2-Fluorophenol
Concen: 27.462 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037622.D
Acq: 29 Oct 2018 14:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	53.1	79.7
63	32.0	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: 16.227 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037622.D

Acq: 29 Oct 2018 14:32

Instrument :

BNA_G

ClientSampleId :

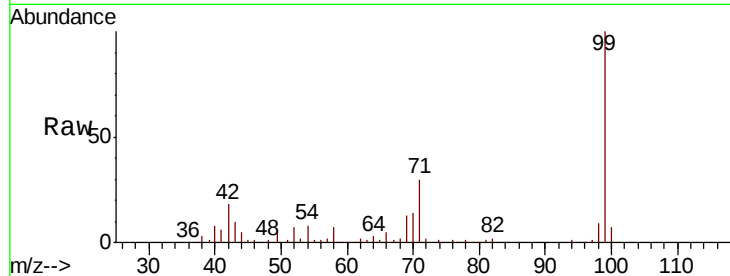
Tot Ion: 99 Resp: 176611

Ion Ratio Lower Upper

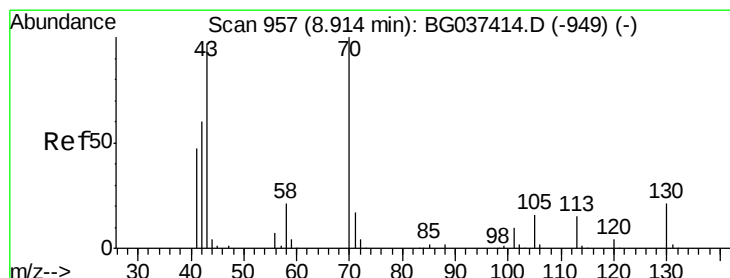
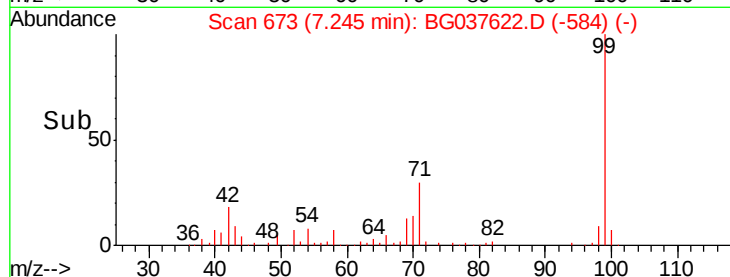
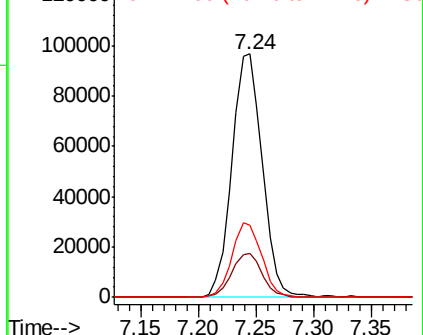
99 100

42 17.9 15.0 22.4

71 29.7 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: 6.802 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037622.D

Acq: 29 Oct 2018 14:32

Tgt Ion: 70 Resp: 50974

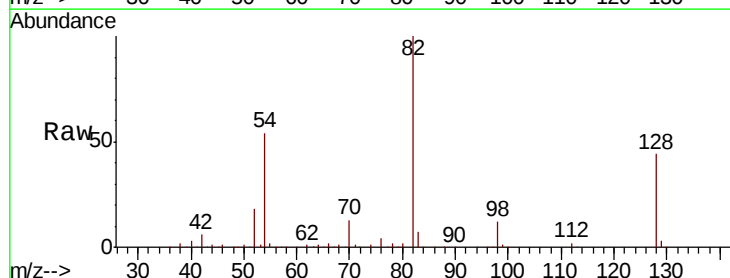
Ion Ratio Lower Upper

70 100

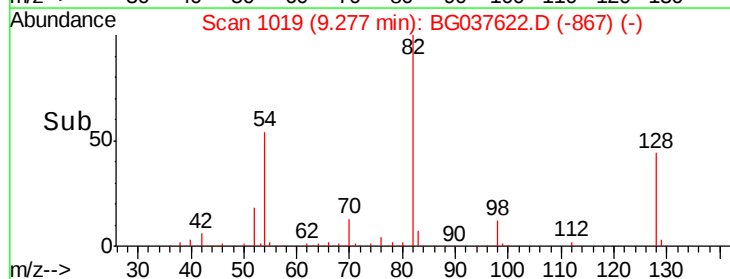
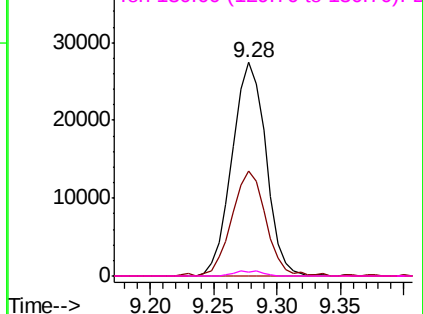
42 49.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.0 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

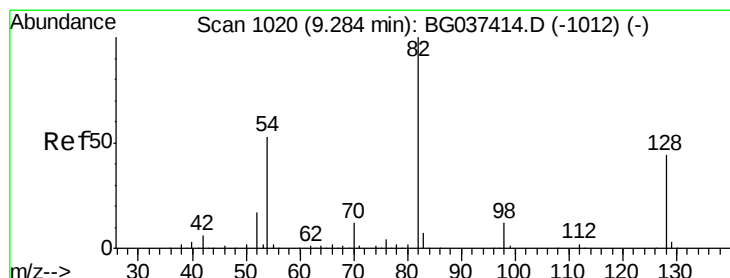
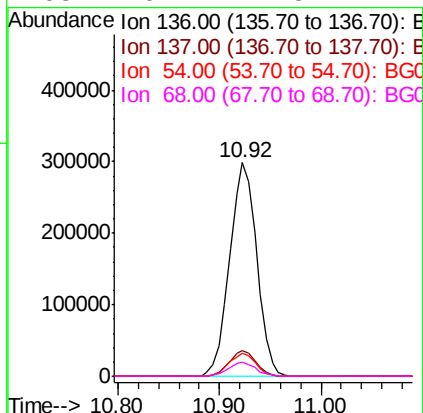
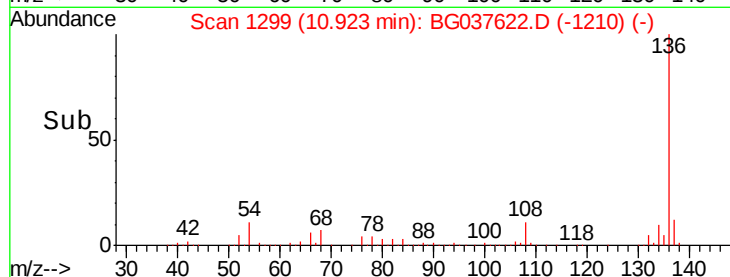
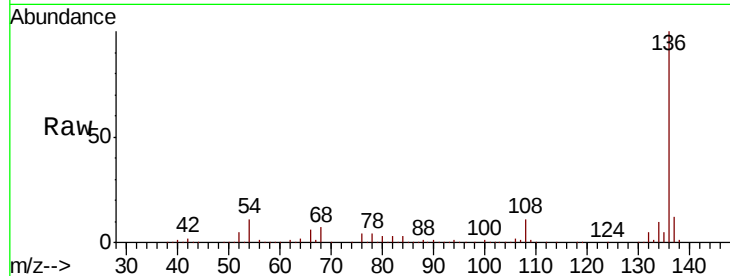




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037622.D
Acq: 29 Oct 2018 14:32

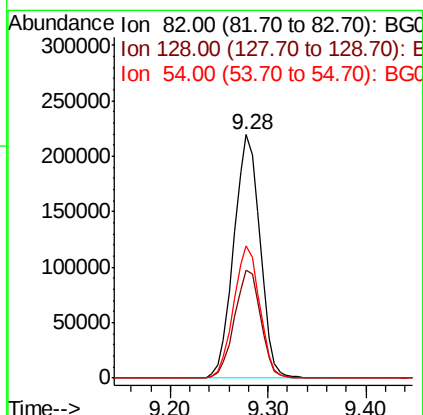
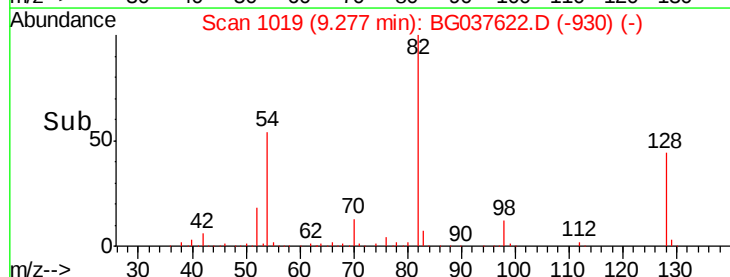
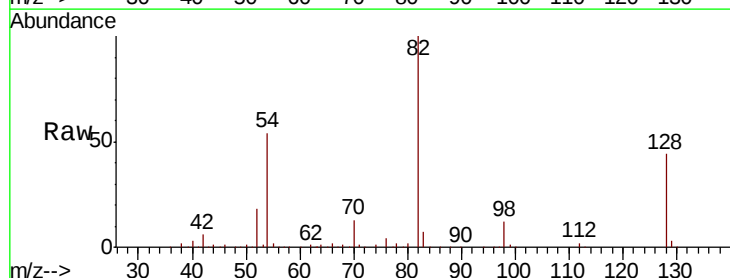
Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	552819
Ion	Ratio	Lower Upper
136	100	
137	12.1	9.6 14.4
54	10.7	7.9 11.9
68	6.7	4.8 7.2



#23
Nitrobenzene-d5
Concen: 41.652 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037622.D
Acq: 29 Oct 2018 14:32

Tgt Ion: 82	Resp:	411038
Ion	Ratio	Lower Upper
82	100	
128	44.1	34.6 51.8
54	54.4	45.3 67.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037622.D

Acq: 29 Oct 2018 14:32

Instrument :

BNA_G

ClientSampleId :

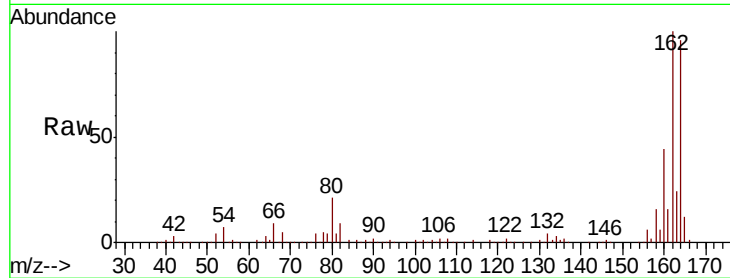
Tot Ion:164 Resp: 375262

Ion Ratio Lower Upper

164 100

162 104.5 81.3 121.9

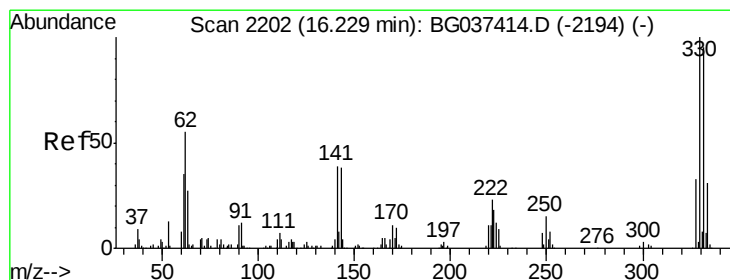
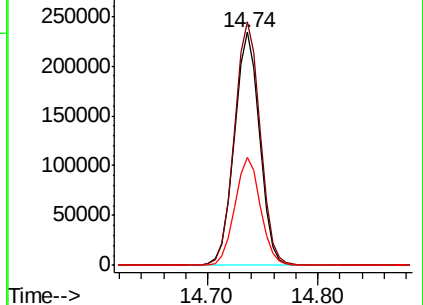
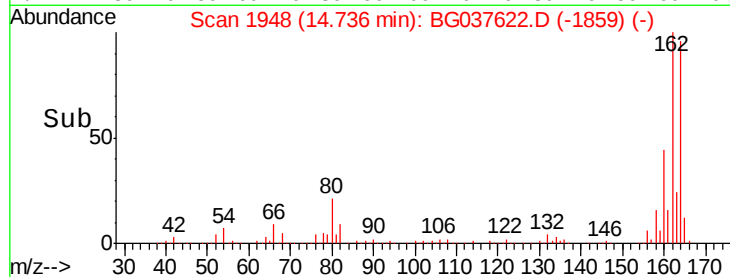
160 46.4 36.3 54.5



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: 60.736 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037622.D

Acq: 29 Oct 2018 14:32

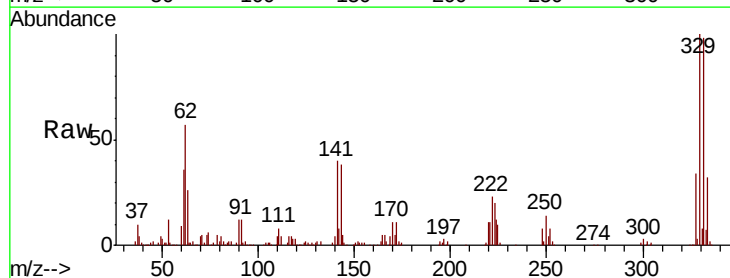
Tgt Ion:330 Resp: 248590

Ion Ratio Lower Upper

330 100

332 95.9 78.4 117.6

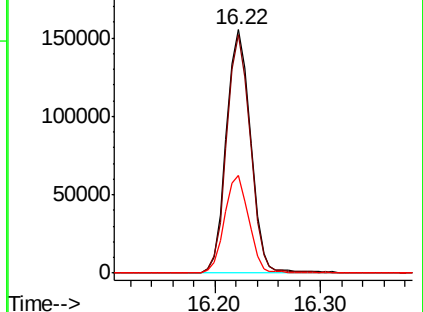
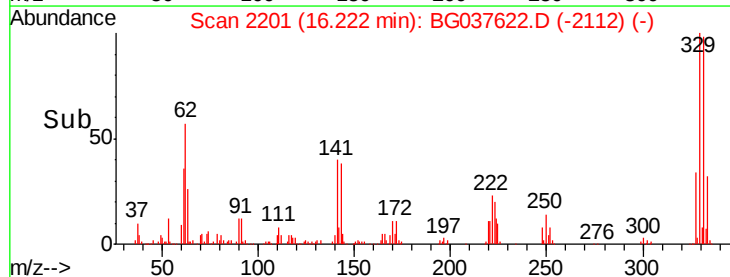
141 39.8 32.2 48.2



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



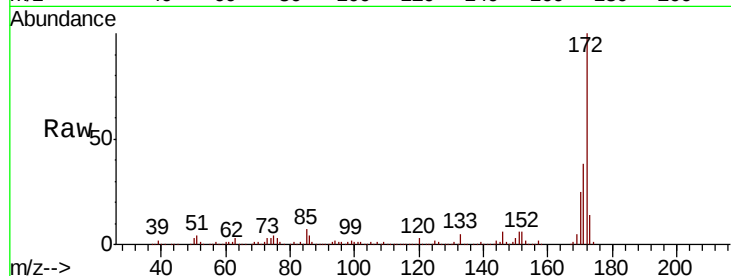


#45
 2-Fluorobiphenyl
 Concen: 40.266 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037622.D
 Acq: 29 Oct 2018 14:32

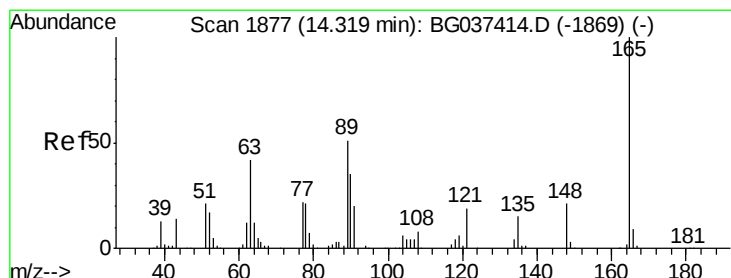
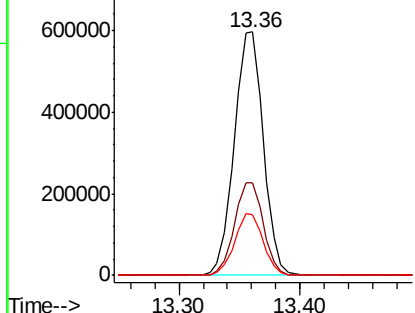
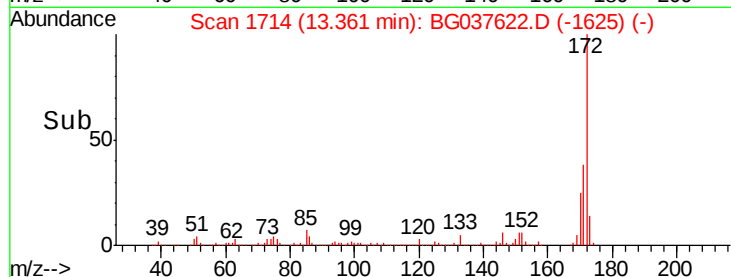
Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1002040

Ion	Ratio	Lower	Upper
172	100		
171	37.8	31.0	46.4
170	24.9	20.2	30.2



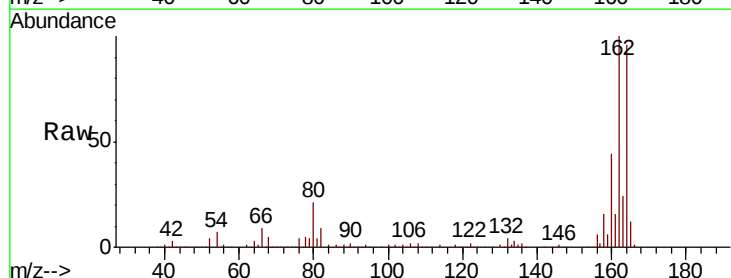
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



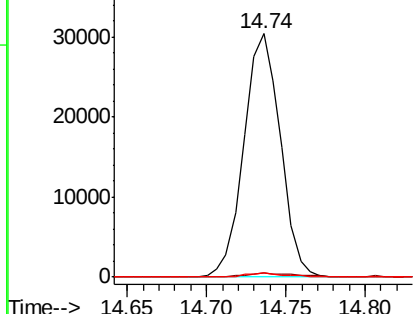
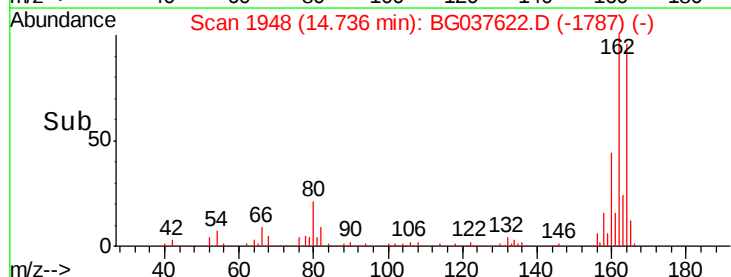
#51
 2,6-Dinitrotoluene
 Concen: 7.560 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG037622.D
 Acq: 29 Oct 2018 14:32

Tgt Ion:165 Resp: 48551

Ion	Ratio	Lower	Upper
165	100		
63	1.6	43.4	65.2#
89	1.6	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

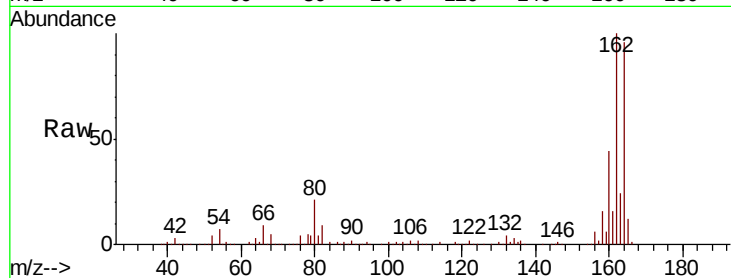




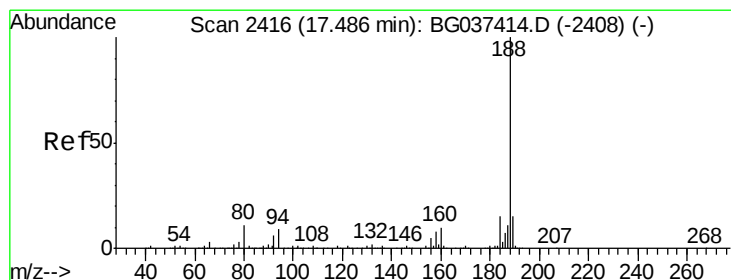
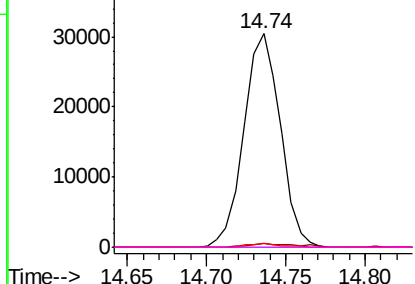
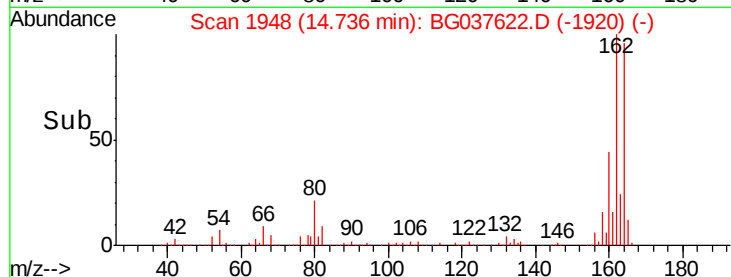
#57
 2,4-Dinitrotoluene
 Concen: 5.759 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.36 min
 Lab File: BG037622.D
 Acq: 29 Oct 2018 14:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	48551
Ion Ratio	Lower	Upper
165	100	
63	1.6	33.4 50.0#
89	1.6	57.2 85.8#
182	0.0	2.6 4.0#

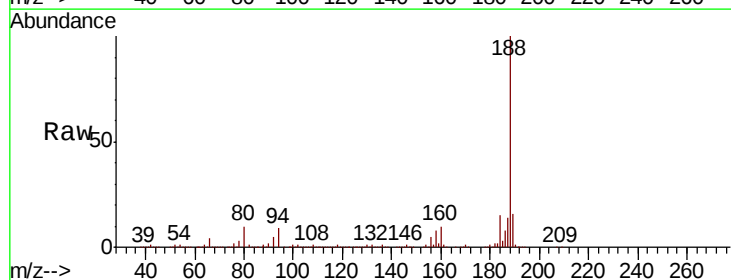


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

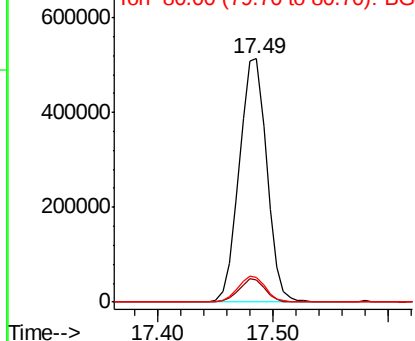
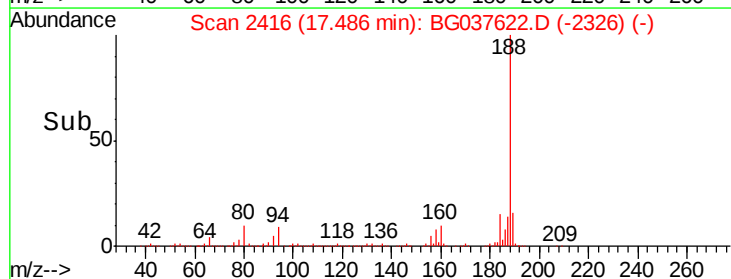


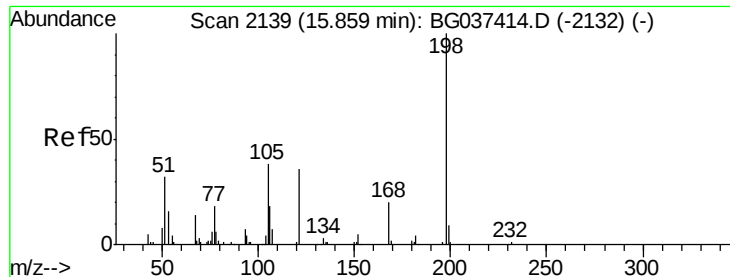
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.49 min Scan# 2416
 Delta R.T. -0.00 min
 Lab File: BG037622.D
 Acq: 29 Oct 2018 14:32

Tgt Ion:188	Resp:	851448
Ion Ratio	Lower	Upper
188	100	
94	9.0	7.2 10.8
80	10.4	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

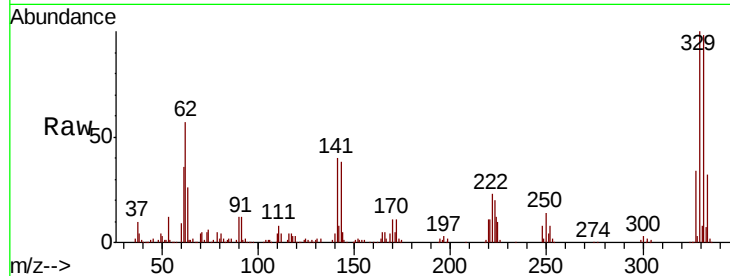




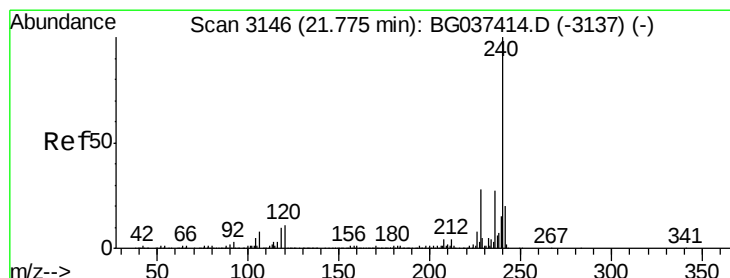
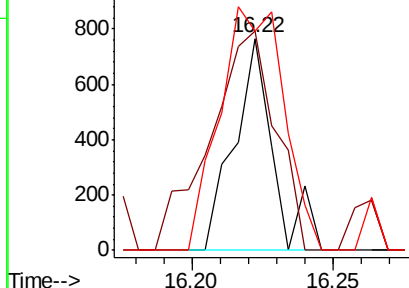
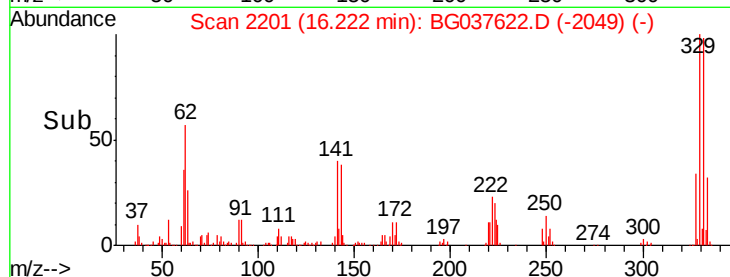
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.642 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.36 min
 Lab File: BG037622.D
 Acq: 29 Oct 2018 14:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 732
 Ion Ratio Lower Upper
 198 100
 51 23.0 22.7 62.7
 105 22.9 19.7 59.7

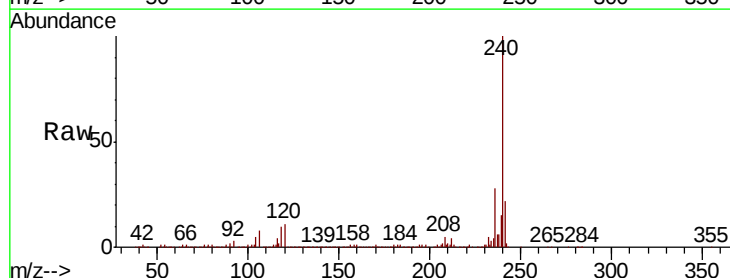


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

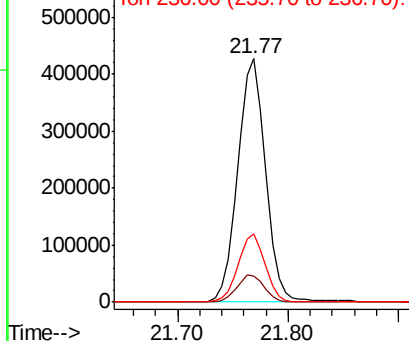
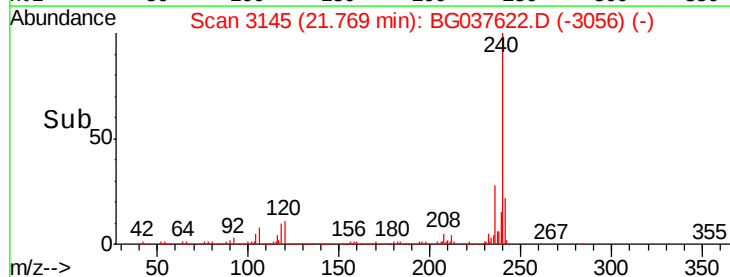


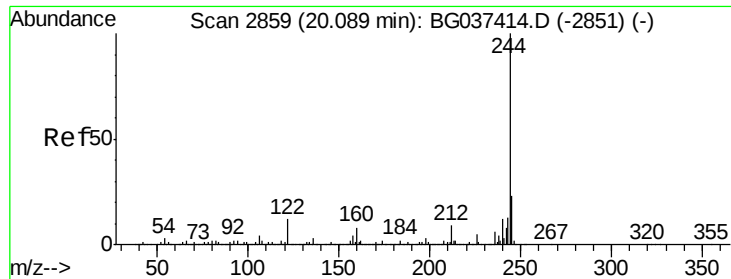
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037622.D
 Acq: 29 Oct 2018 14:32

Tgt Ion:240 Resp: 757749
 Ion Ratio Lower Upper
 240 100
 120 10.8 8.1 12.1
 236 27.8 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





#79

Terphenyl-d14

Concen: 38.451 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037622.D

Acq: 29 Oct 2018 14:32

Instrument :

BNA_G

ClientSampleId :

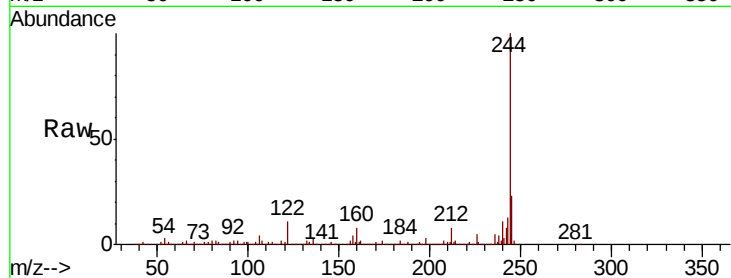
Tot Ion:244 Resp: 1363568

Ion Ratio Lower Upper

244 100

212 8.1 6.5 9.7

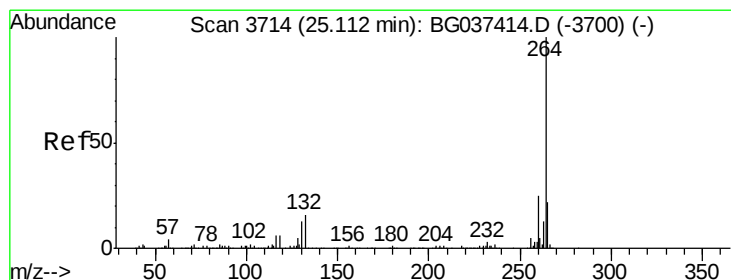
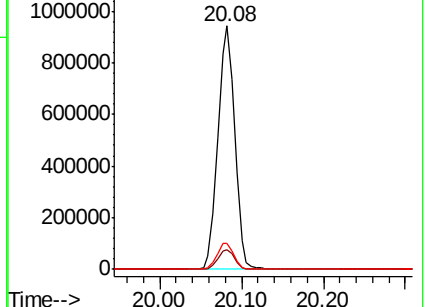
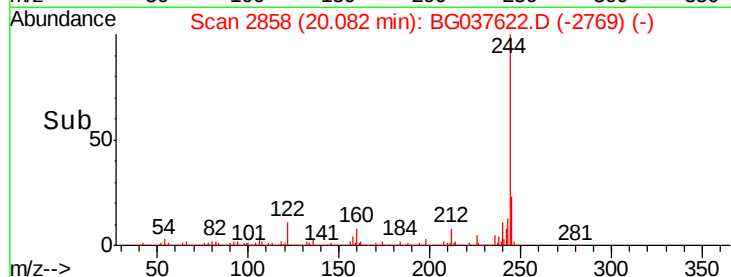
122 10.9 9.0 13.4



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: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037622.D

Acq: 29 Oct 2018 14:32

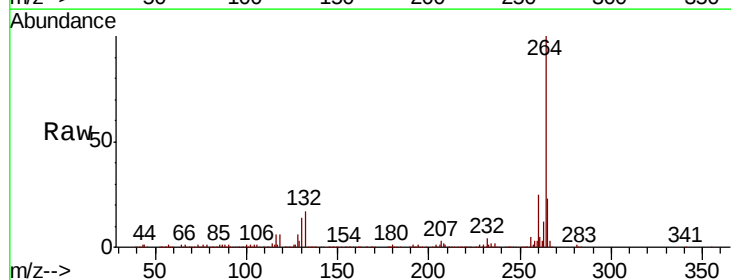
Tgt Ion:264 Resp: 789036

Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.4

265 22.5 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

