

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041719\
 Data File : BG040537.D
 Acq On : 17 Apr 2019 19:49
 Operator : JU/SJ
 Sample : K2422-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 18 01:24:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 13 00:33:11 2019
 Response via : Initial Calibration

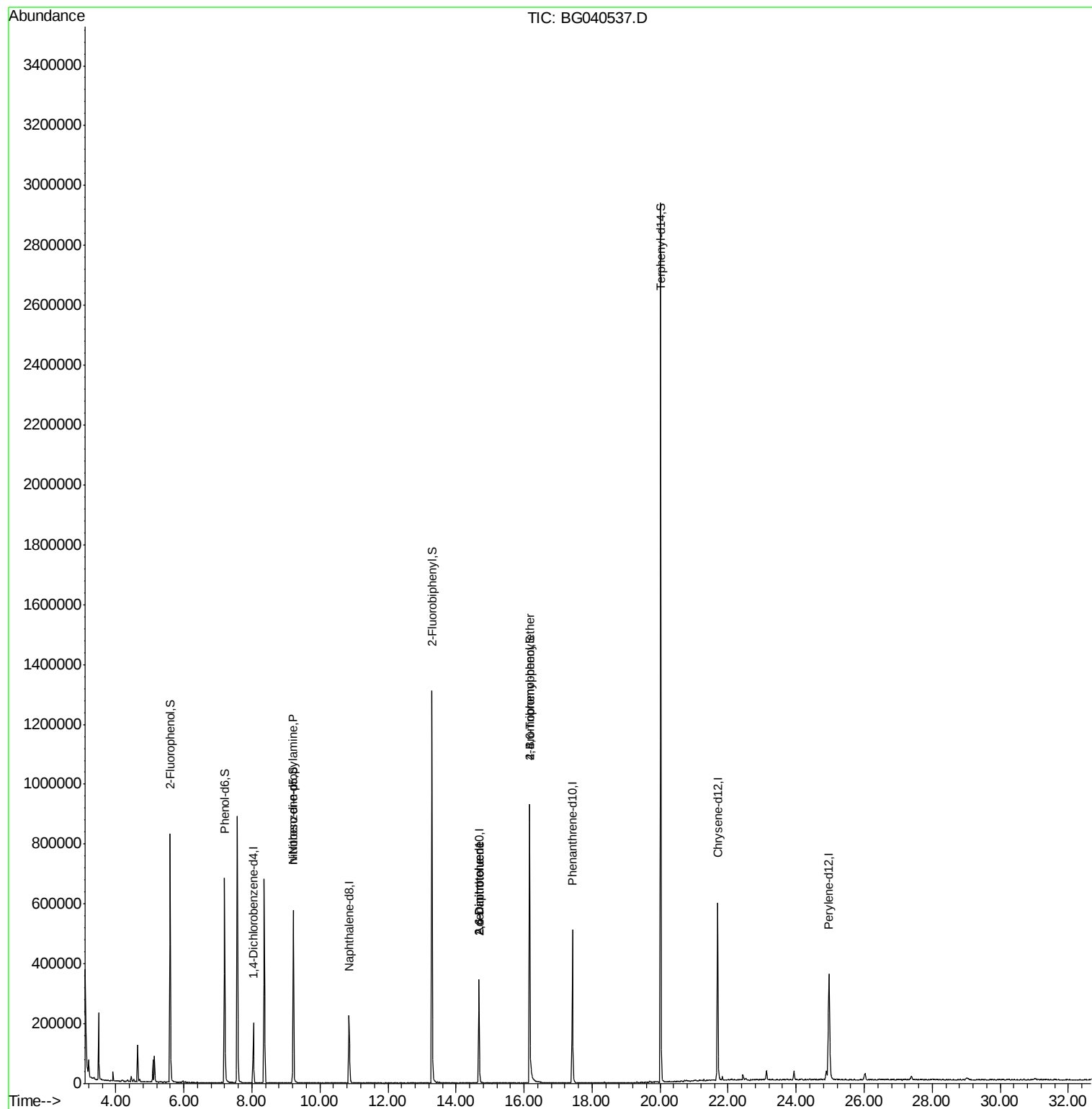
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	54732	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	212829	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	129064	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	347530	20.00	ng	0.00
76) Chrysene-d12	21.69	240	361111	20.00	ng	0.00
87) Perylene-d12	24.96	264	385260	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	348790	105.94	ng	0.00
7) Phenol-d6	7.20	99	411392	90.41	ng	0.00
23) Nitrobenzene-d5	9.22	82	351452	87.77	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	187550	134.46	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	749689	86.07	ng	0.00
79) Terphenyl-d14	20.02	244	1368694	85.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	43527	13.343	ng	# 77
51) 2,6-Dinitrotoluene	14.67	165	16107	7.102	ng	# 27
57) 2,4-Dinitrotoluene	14.67	165	16107	5.111	ng	# 27
67) 4-Bromophenyl-phenylether	16.16	248	14492	3.706	ng	# 1

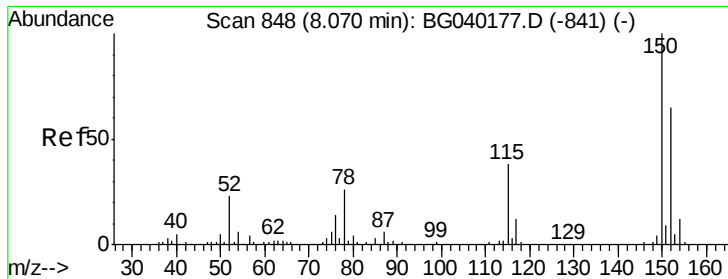
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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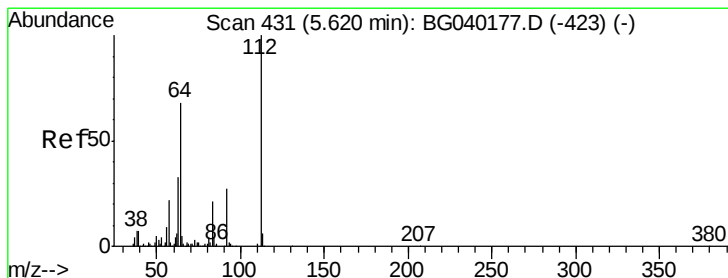
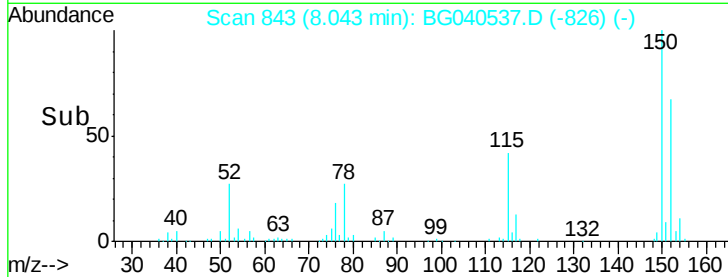
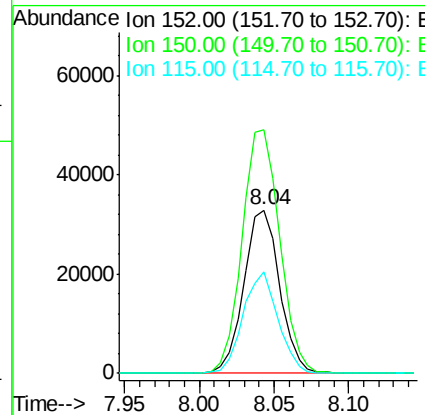
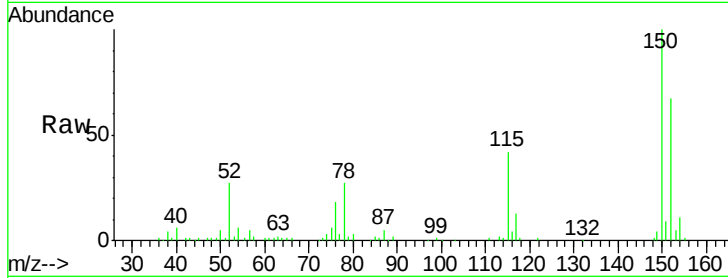


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.00 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

Instrument :
BNA_G
ClientSampleId :

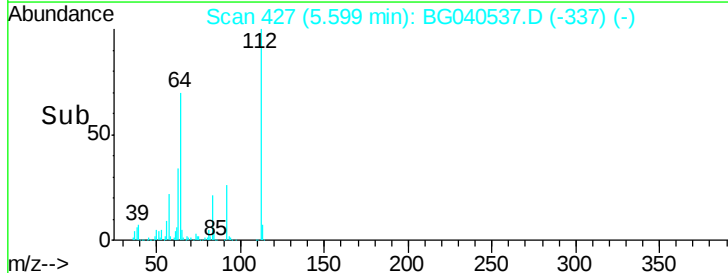
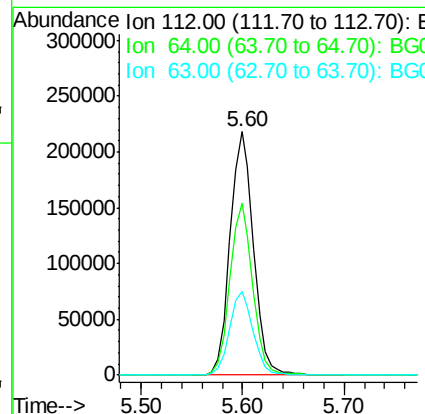
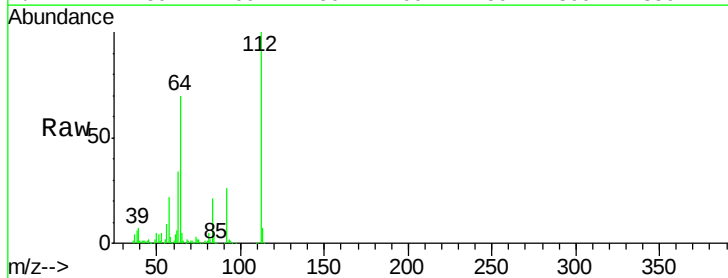
Tot Ion:152 Resp: 54732
Ion Ratio Lower Upper
152 100
150 148.9 123.7 185.5
115 61.8 46.9 70.3

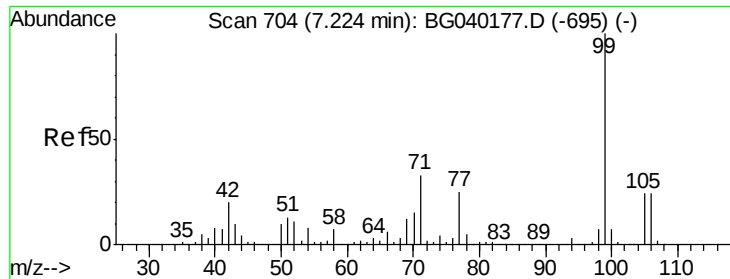


#5

2-Fluorophenol
Concen: 105.940 ng
RT: 5.60 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

Tgt Ion:112 Resp: 348790
Ion Ratio Lower Upper
112 100
64 70.4 54.2 81.2
63 34.1 26.4 39.6





#7

Phenol-d6

Concen: 90.415 ng

RT: 7.20 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG040537.D

Acq: 17 Apr 2019 19:49

Instrument :

BNA_G

ClientSampleId :

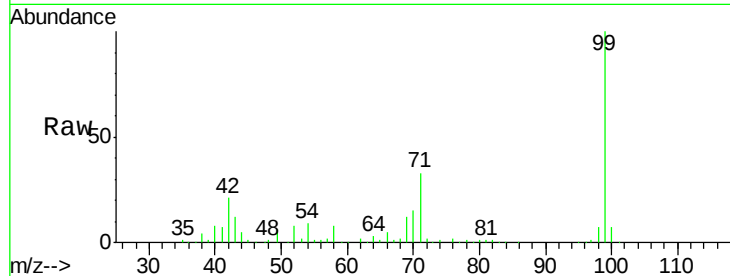
Tot Ion: 99 Resp: 411392

Ion Ratio Lower Upper

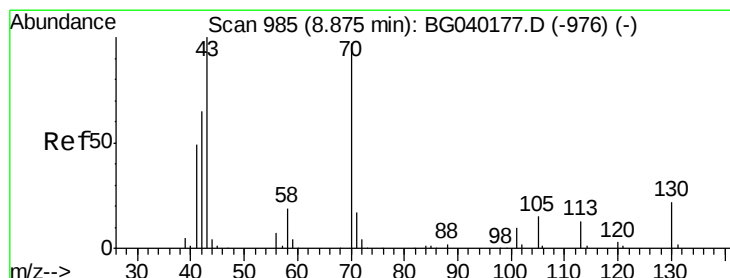
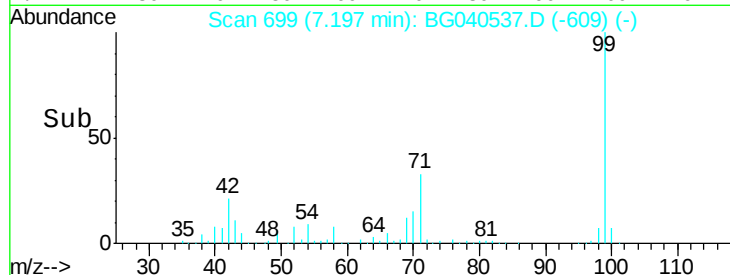
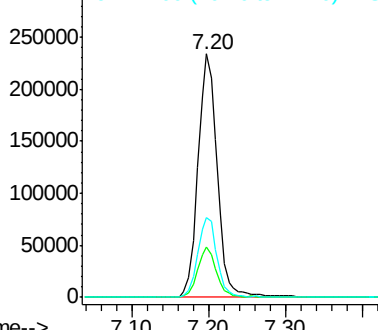
99 100

42 20.7 16.2 24.2

71 32.7 26.8 40.2



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: 13.343 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.37 min

Lab File: BG040537.D

Acq: 17 Apr 2019 19:49

Tgt Ion: 70 Resp: 43527

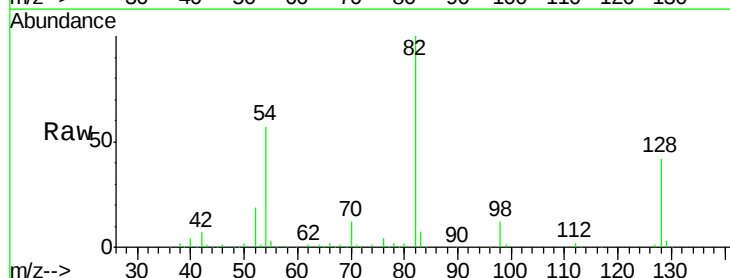
Ion Ratio Lower Upper

70 100

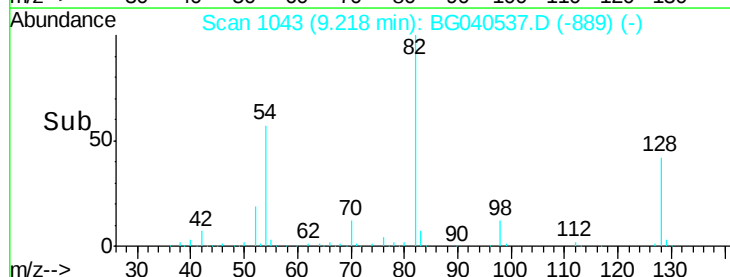
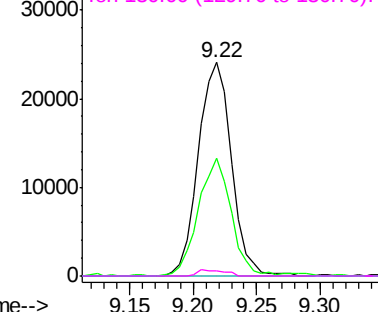
42 55.2 54.0 81.0

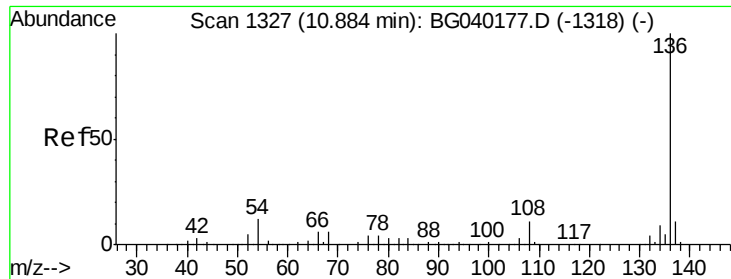
101 0.0 8.6 13.0#

130 2.5 18.2 27.2#



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

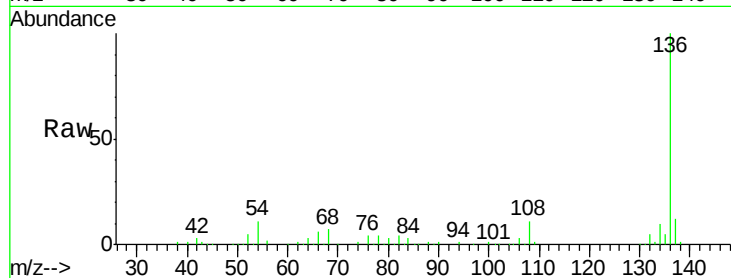




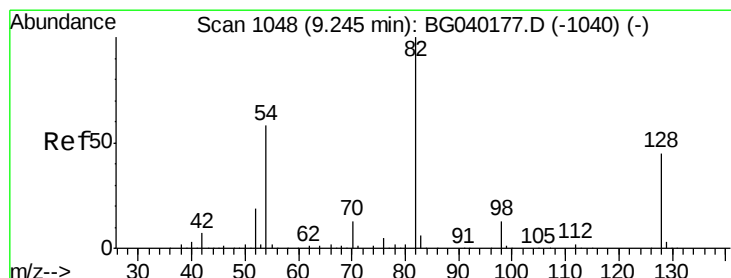
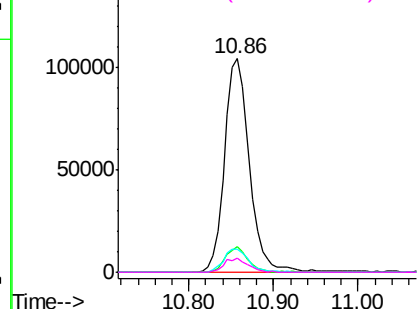
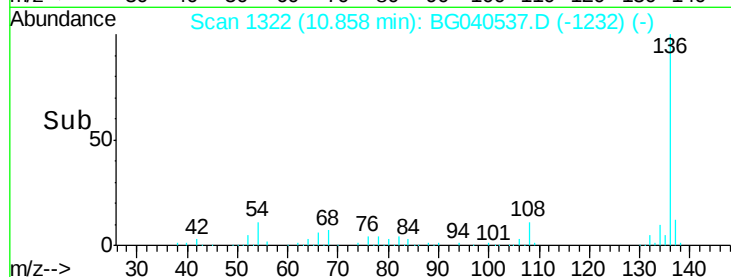
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	212829
Ion	Ratio	Lower Upper
136	100	
137	11.7	8.9 13.3
54	11.1	9.6 14.4
68	6.8	5.1 7.7

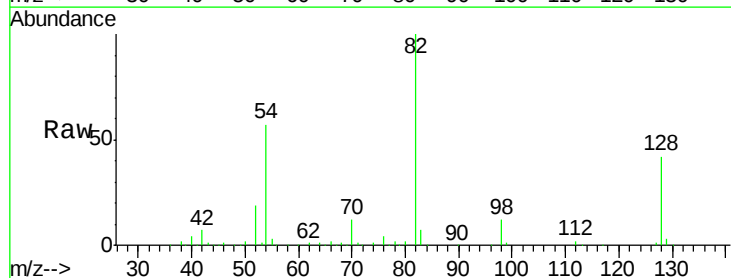


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

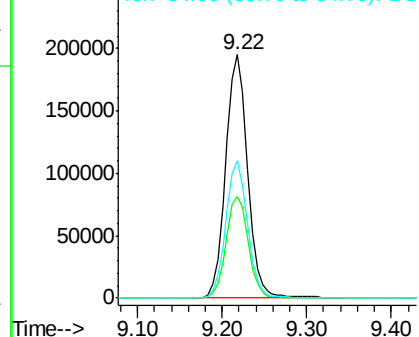
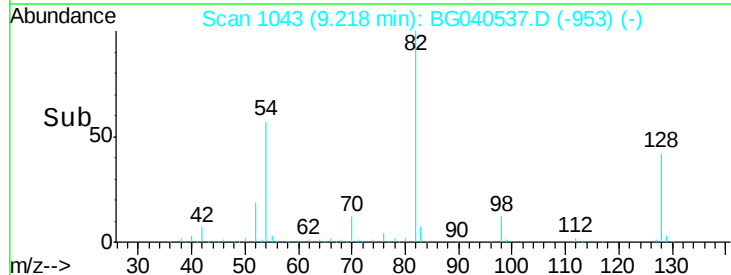


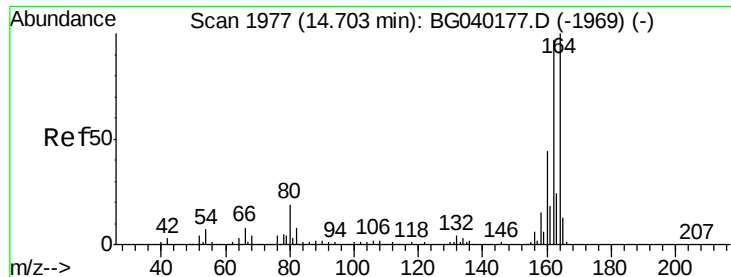
#23
Nitrobenzene-d5
Concen: 87.774 ng
RT: 9.22 min Scan# 1043
Delta R.T. -0.00 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

Tgt Ion: 82	Resp:	351452
Ion	Ratio	Lower Upper
82	100	
128	41.9	35.8 53.8
54	56.6	46.2 69.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

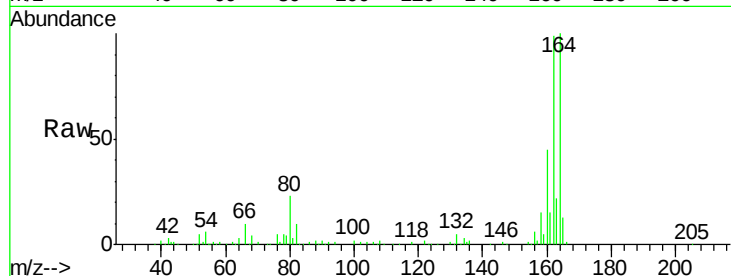




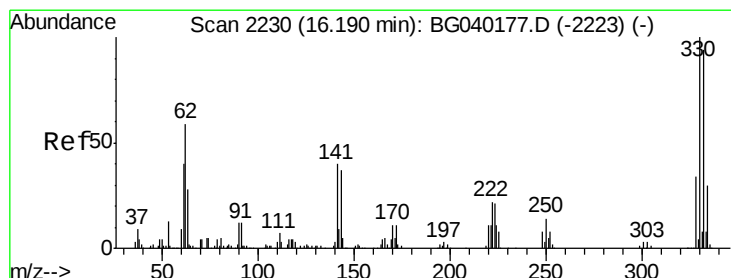
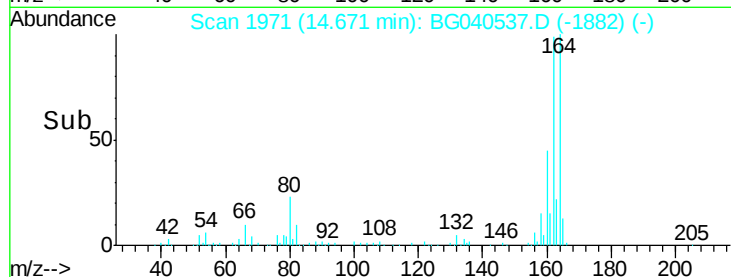
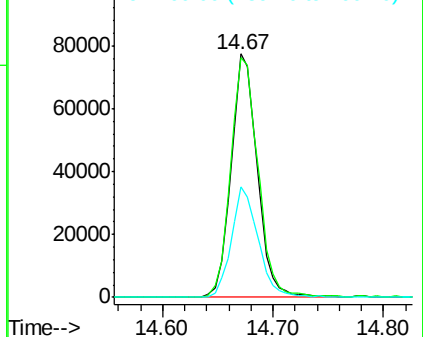
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 129064
Ion Ratio Lower Upper
164 100
162 98.7 77.4 116.2
160 45.3 35.3 52.9

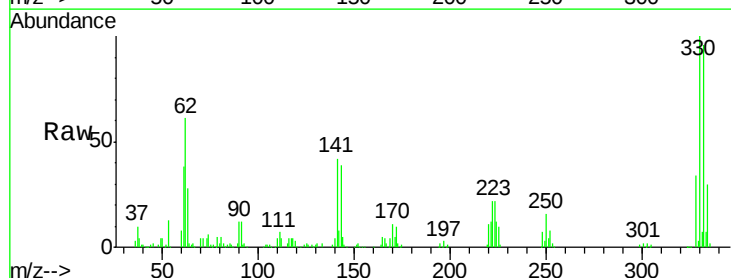


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

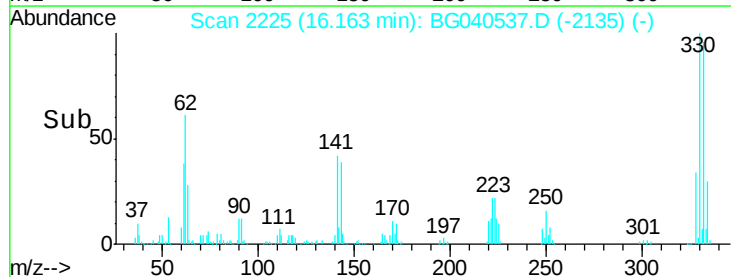
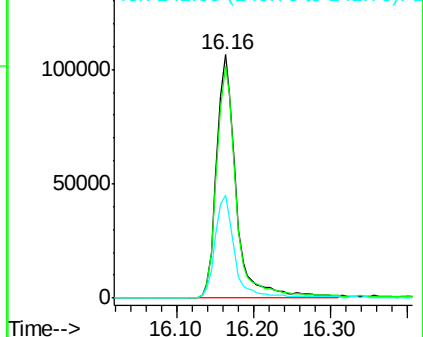


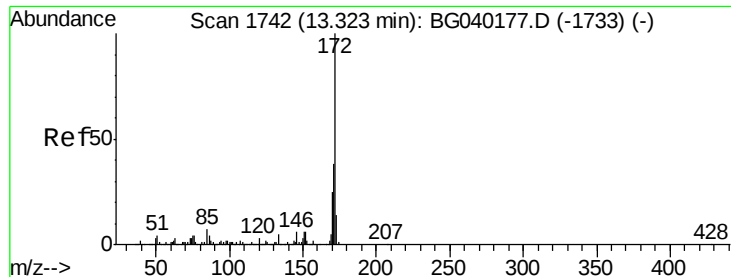
#42
2,4,6-Tribromophenol
Concen: 134.459 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

Tgt Ion:330 Resp: 187550
Ion Ratio Lower Upper
330 100
332 95.1 76.6 115.0
141 40.6 32.6 48.8



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

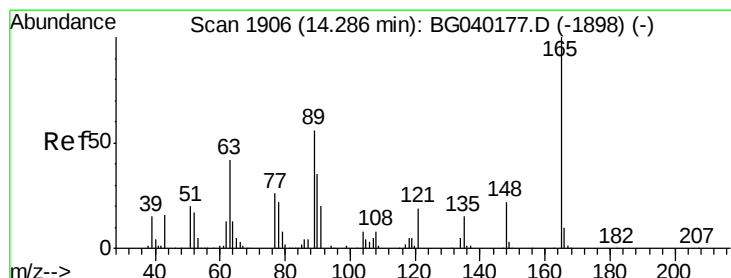
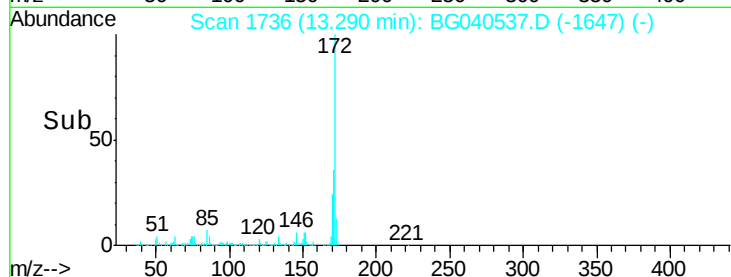
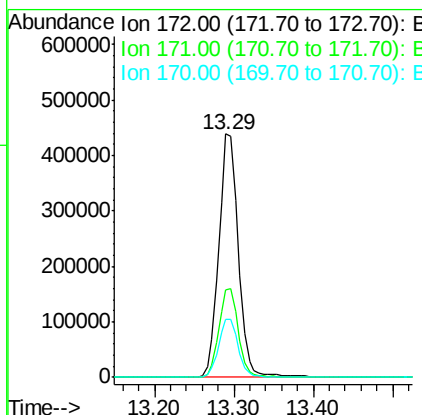
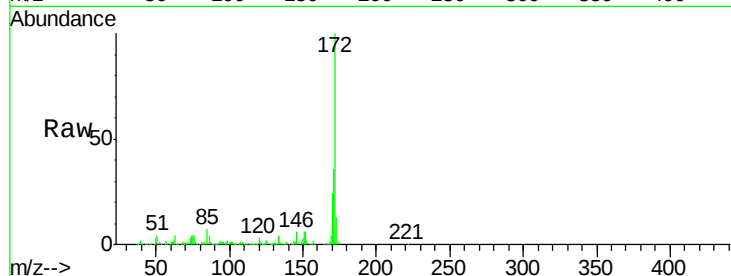




#45
2-Fluorobiphenyl
Concen: 86.071 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.01 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

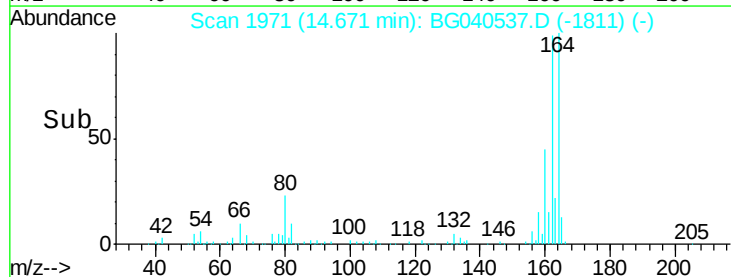
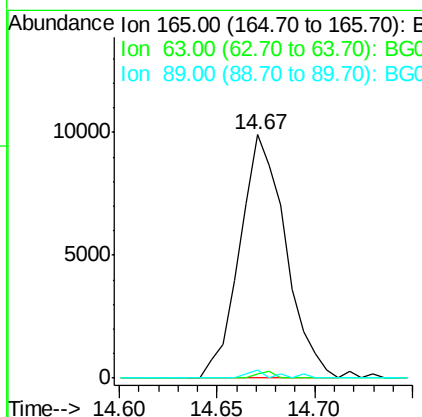
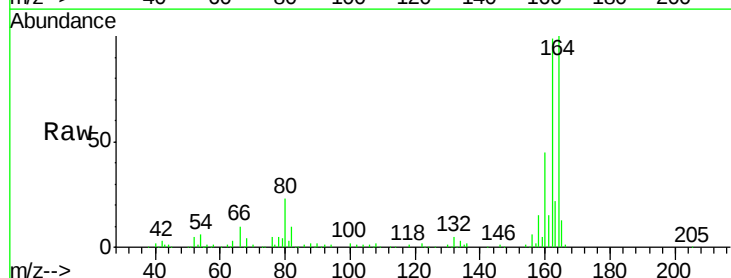
Instrument :
BNA_G
ClientSampled :

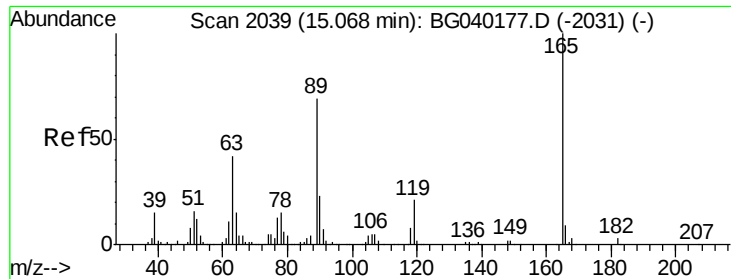
Tot Ion:172 Resp: 749689
Ion Ratio Lower Upper
172 100
171 36.0 30.5 45.7
170 23.9 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.102 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.41 min
Lab File: BG040537.D
Acq: 17 Apr 2019 19:49

Tgt Ion:165 Resp: 16107
Ion Ratio Lower Upper
165 100
63 1.6 44.1 66.1#
89 3.1 44.9 67.3#

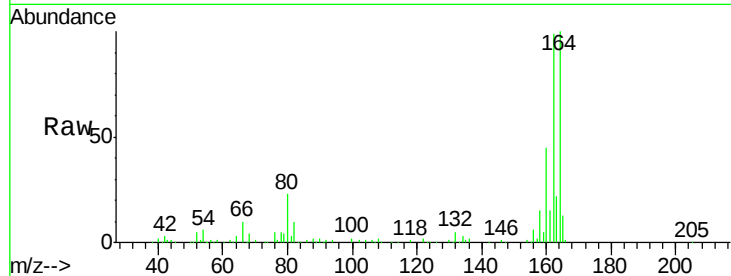




#57
 2,4-Dinitrotoluene
 Concen: 5.111 ng
 RT: 14.67 min Scan# 1971
 Delta R.T. -0.37 min
 Lab File: BG040537.D
 Acq: 17 Apr 2019 19:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	33.8	50.6#
89	3.1	55.4	83.2#
182	0.0	2.2	3.4#

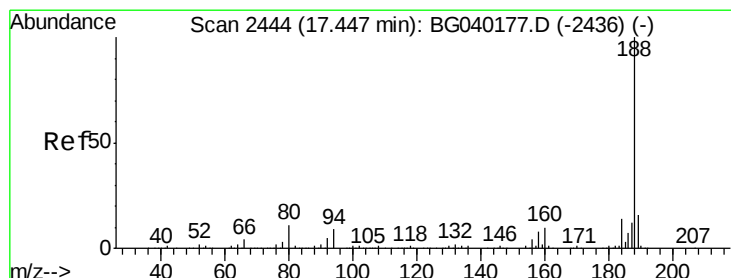
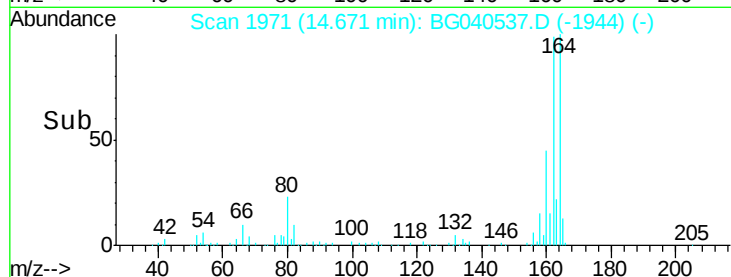
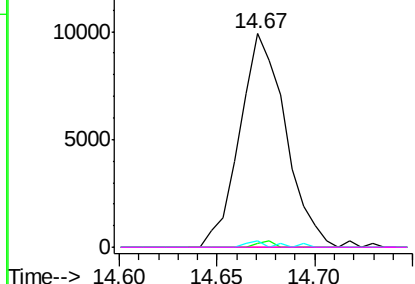


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

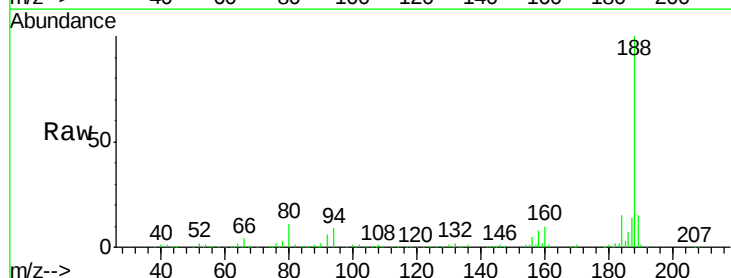
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: BG040537.D
 Acq: 17 Apr 2019 19:49

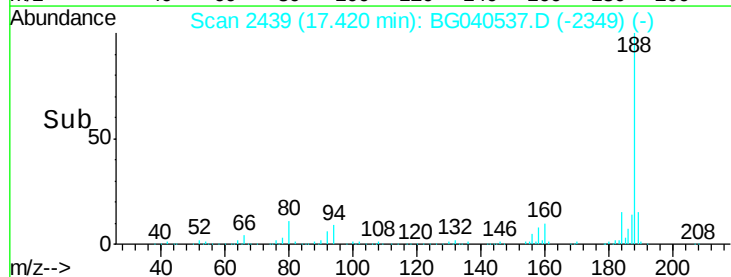
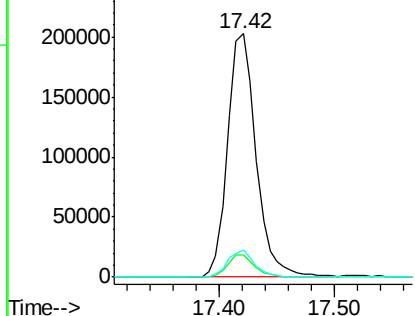
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.0	10.4
80	11.1	8.6	13.0

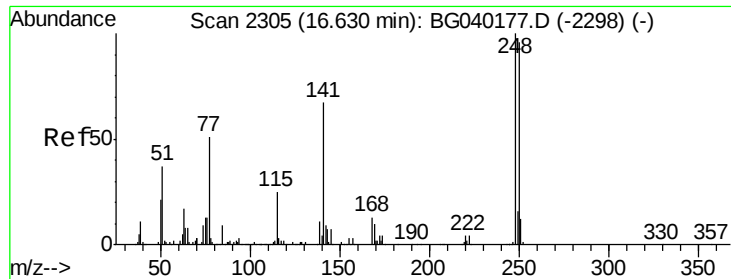


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

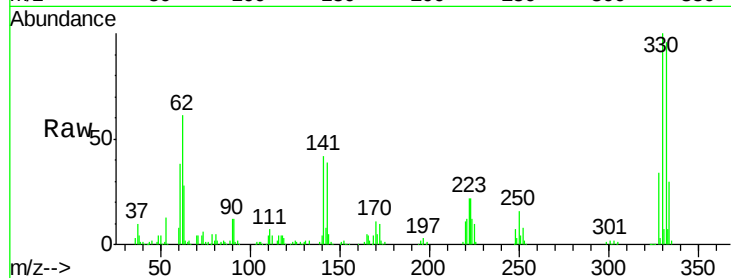




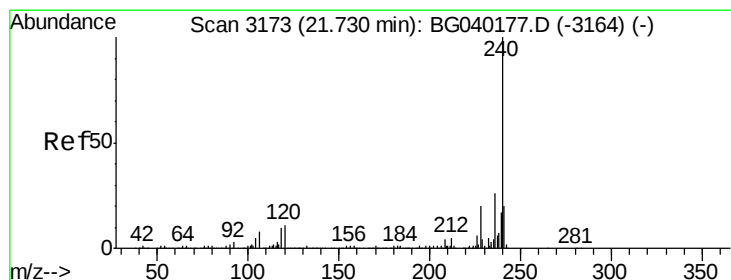
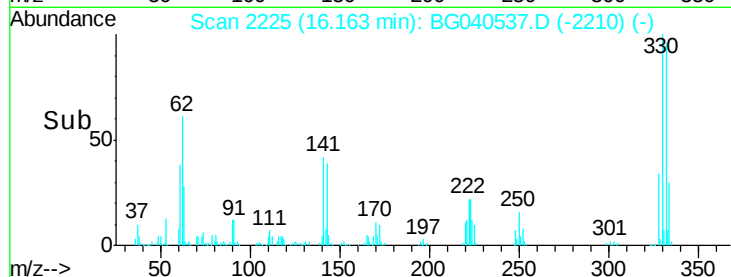
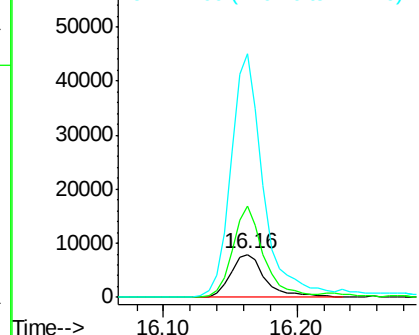
#67
 4-Bromophenyl-phenylether
 Concen: 3.706 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG040537.D
 Acq: 17 Apr 2019 19:49

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 14492
 Ion Ratio Lower Upper
 248 100
 250 211.6 76.4 114.6#
 141 564.1 53.8 80.8#

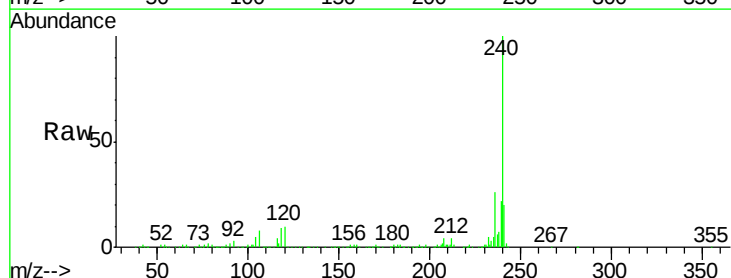


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

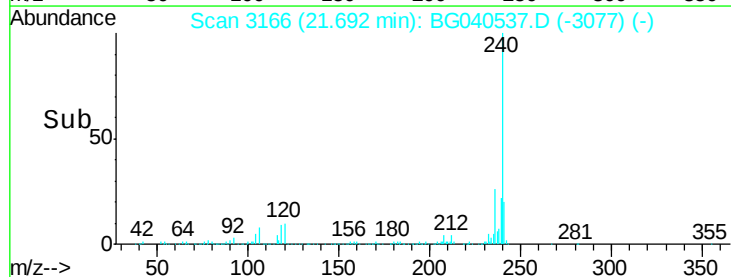
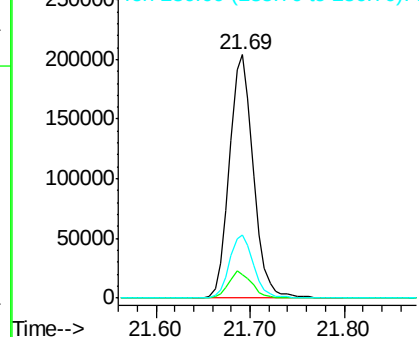


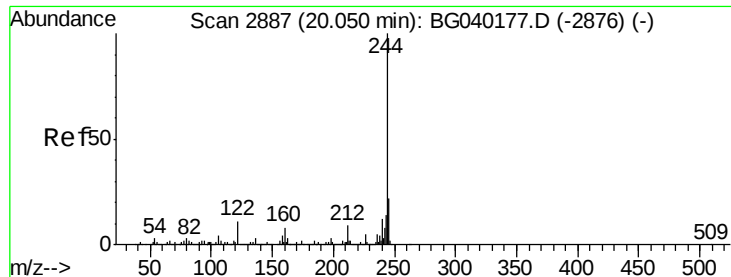
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.69 min Scan# 3166
 Delta R.T. -0.01 min
 Lab File: BG040537.D
 Acq: 17 Apr 2019 19:49

Tgt Ion:240 Resp: 361111
 Ion Ratio Lower Upper
 240 100
 120 9.8 8.4 12.6
 236 26.2 20.8 31.2



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: 85.267 ng

RT: 20.02 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG040537.D

Acq: 17 Apr 2019 19:49

Instrument :

BNA_G

ClientSampleId :

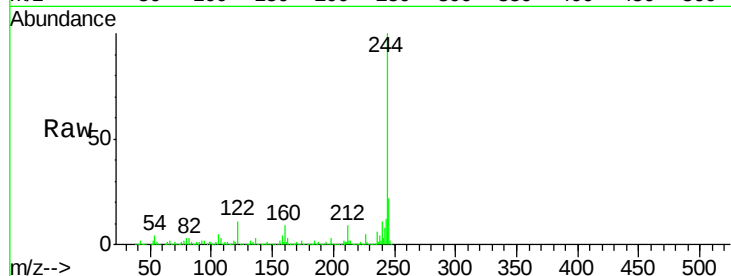
Tot Ion:244 Resp: 1368694

Ion Ratio Lower Upper

244 100

212 8.9 7.0 10.6

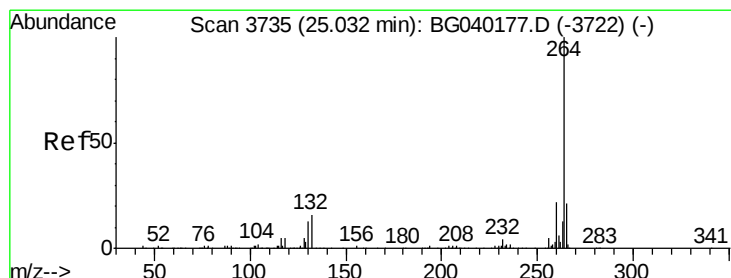
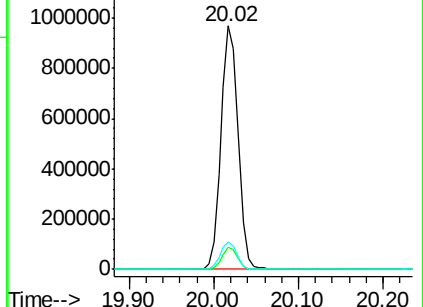
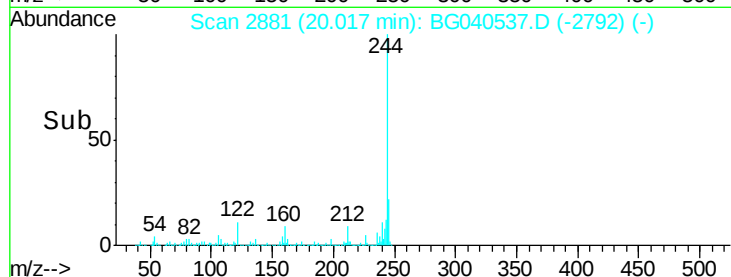
122 11.4 8.5 12.7



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: 24.96 min Scan# 3723

Delta R.T. -0.01 min

Lab File: BG040537.D

Acq: 17 Apr 2019 19:49

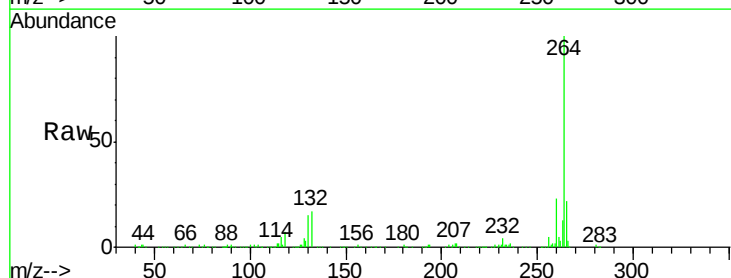
Tgt Ion:264 Resp: 385260

Ion Ratio Lower Upper

264 100

260 23.2 17.9 26.9

265 21.7 16.8 25.2



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

