

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032819\
 Data File : BG040224.D
 Acq On : 29 Mar 2019 7:41
 Operator : JU/SJ
 Sample : K2107-12
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Quant Time: Mar 29 08:20:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 28 05:47:00 2019
 Response via : Initial Calibration

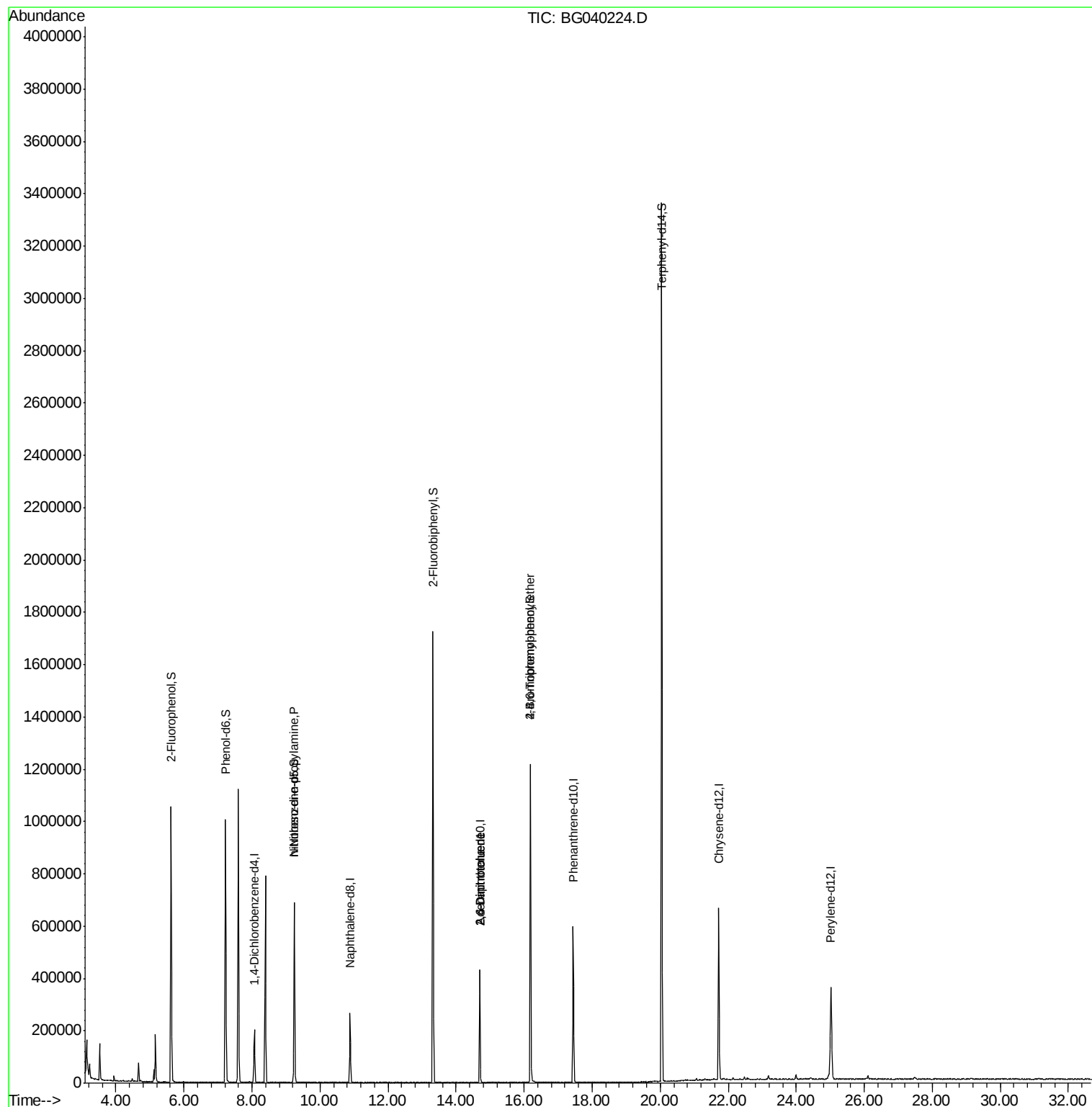
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	59149	20.00	ng	0.00
21) Naphthalene-d8	10.88	136	232961	20.00	ng	0.00
39) Acenaphthene-d10	14.70	164	143036	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	368076	20.00	ng	0.00
76) Chrysene-d12	21.73	240	396538	20.00	ng	0.00
87) Perylene-d12	25.02	264	389547	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	465416	130.81	ng	0.00
7) Phenol-d6	7.22	99	600146	122.05	ng	0.00
23) Nitrobenzene-d5	9.25	82	411455	93.88	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	217763	140.87	ng	0.00
45) 2-Fluorobiphenyl	13.32	172	929573	96.30	ng	0.00
79) Terphenyl-d14	20.04	244	1560196	88.51	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.25	70	52240	14.818	ng	# 73
51) 2,6-Dinitrotoluene	14.70	165	18251	7.261	ng	# 25
57) 2,4-Dinitrotoluene	14.70	165	18251	5.226	ng	# 26
67) 4-Bromophenyl-phenylether	16.18	248	16937	4.089	ng	# 1

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

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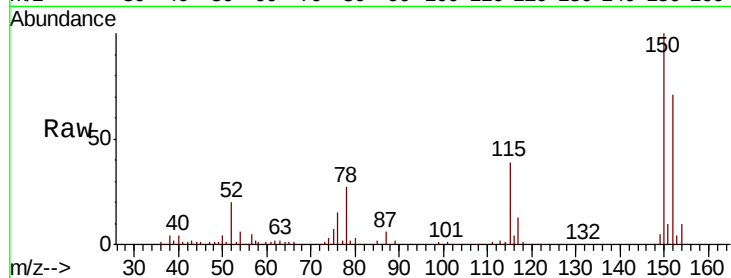


#1

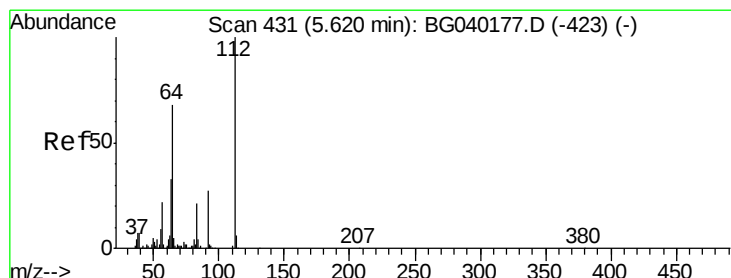
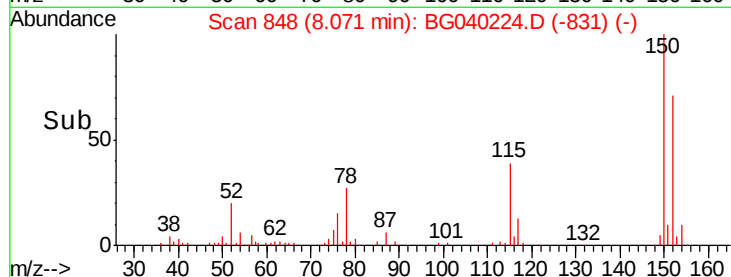
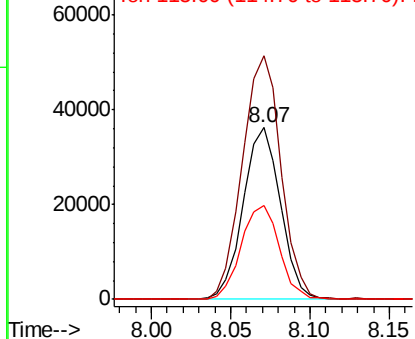
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 848
Delta R.T. 0.00 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion:152 Resp: 59149
Ion Ratio Lower Upper
152 100
150 141.7 123.7 185.5
115 54.6 46.9 70.3



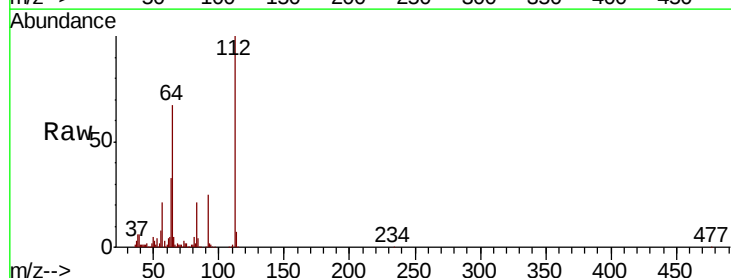
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



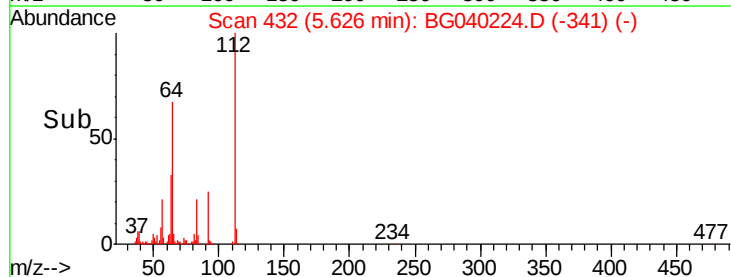
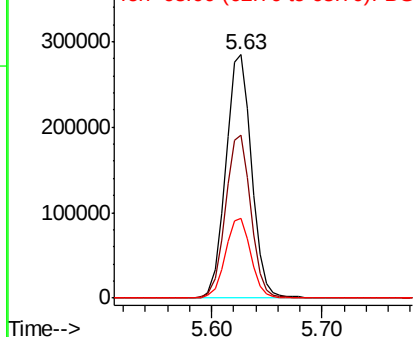
#5

2-Fluorophenol
Concen: 130.807 ng
RT: 5.63 min Scan# 432
Delta R.T. 0.01 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

Tgt Ion:112 Resp: 465416
Ion Ratio Lower Upper
112 100
64 67.2 54.2 81.2
63 33.0 26.4 39.6



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: 122.049 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.00 min

Lab File: BG040224.D

Acq: 29 Mar 2019 7:41

Instrument :

BNA_G

ClientSampled :

TP-6

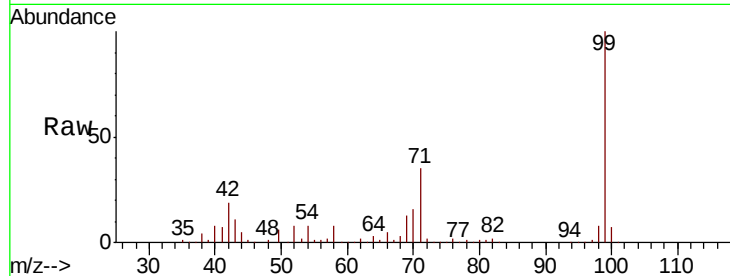
Tgt Ion: 99 Resp: 600146

Ion Ratio Lower Upper

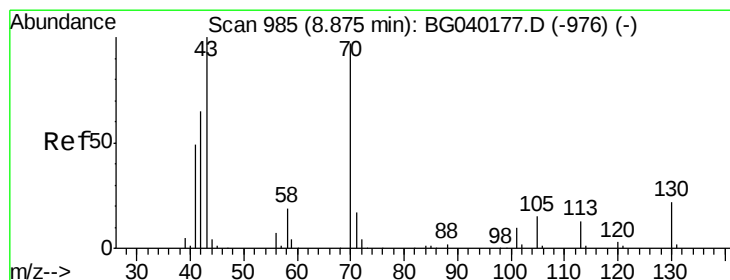
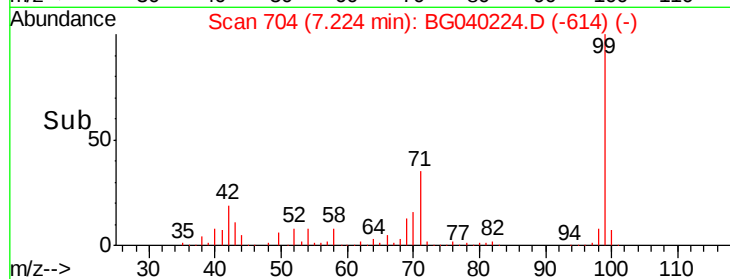
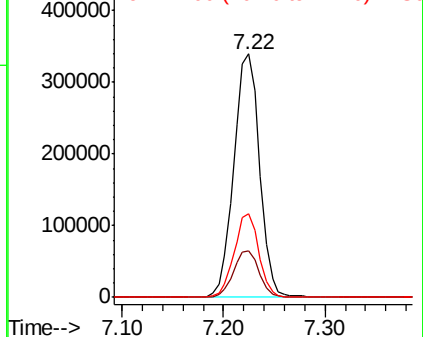
99 100

42 19.2 16.2 24.2

71 34.6 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: 14.818 ng

RT: 9.25 min Scan# 1048

Delta R.T. 0.37 min

Lab File: BG040224.D

Acq: 29 Mar 2019 7:41

Tgt Ion: 70 Resp: 52240

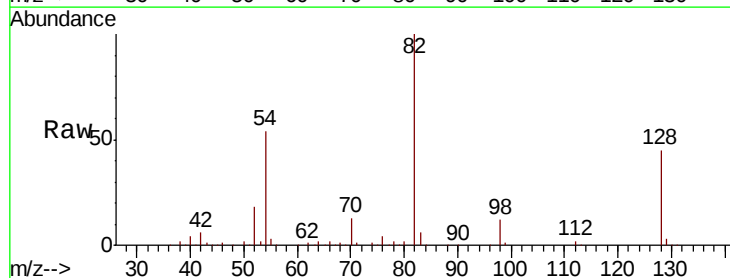
Ion Ratio Lower Upper

70 100

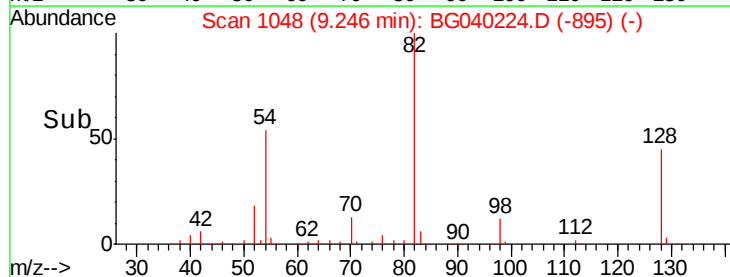
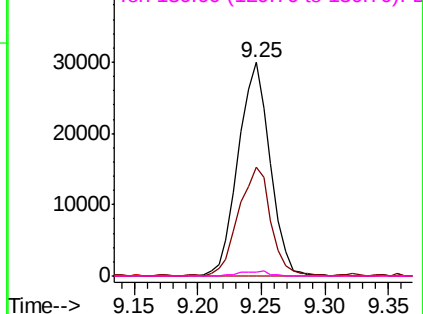
42 50.8 54.0 81.0#

101 0.0 8.6 13.0#

130 2.0 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

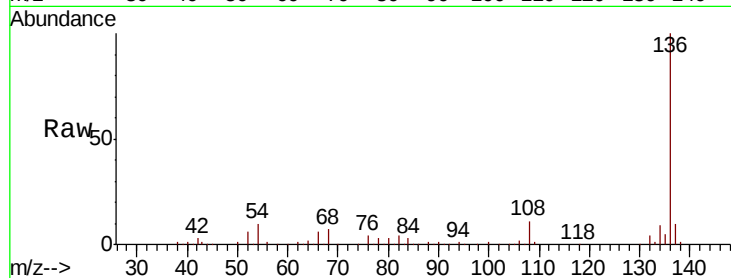




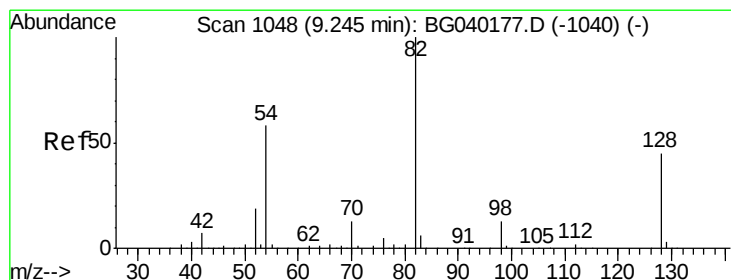
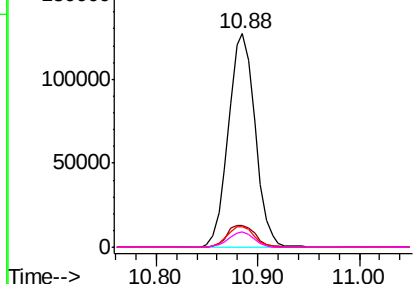
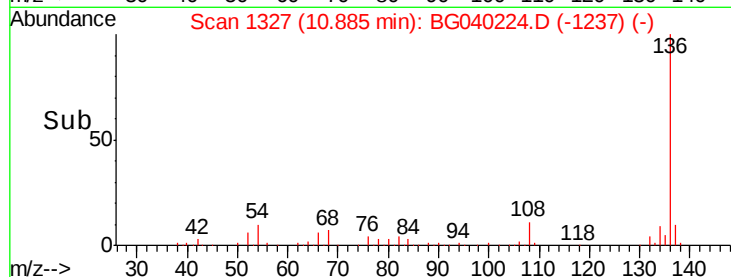
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.88 min Scan# 1327
Delta R.T. 0.00 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion:	136	Resp:	232961
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.7	9.6	14.4
68	6.9	5.1	7.7

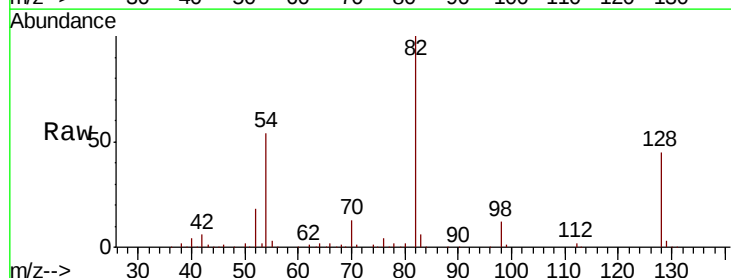


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

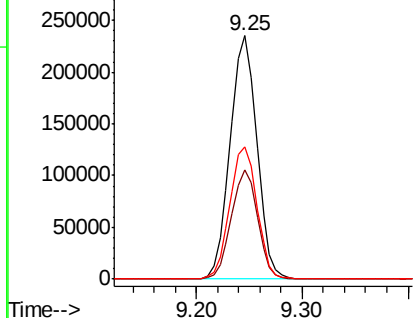
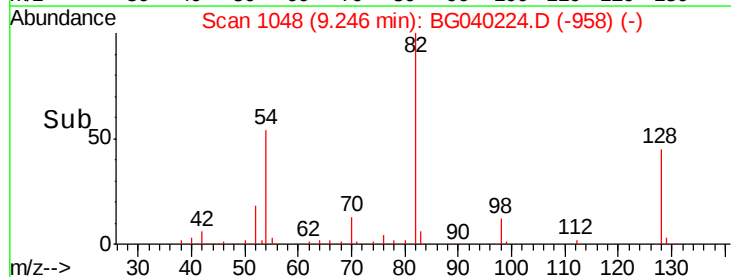


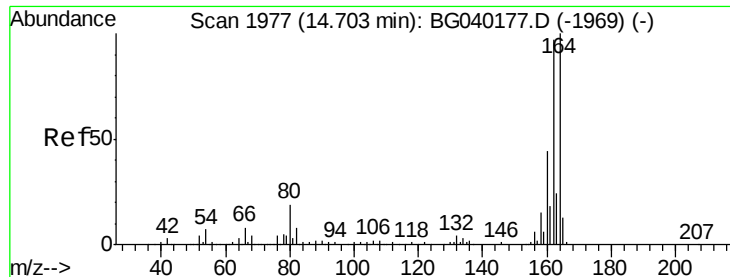
#23
Nitrobenzene-d5
Concen: 93.879 ng
RT: 9.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

Tgt Ion:	82	Resp:	411455
Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.8	53.8
54	54.4	46.2	69.2



Abundance Ion 82.00 (81.70 to 82.70): BGC
300000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG040224.D

Acq: 29 Mar 2019 7:41

Instrument :

BNA_G

ClientSampleId :

TP-6

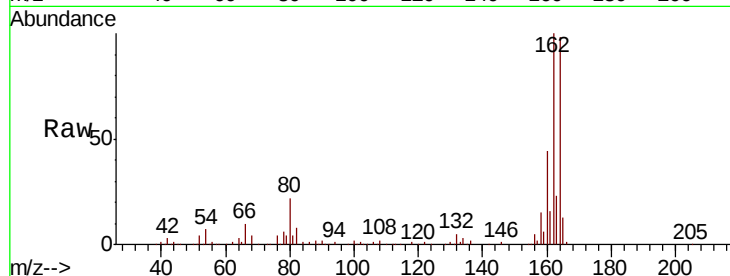
Tgt Ion:164 Resp: 143036

Ion Ratio Lower Upper

164 100

162 101.9 77.4 116.2

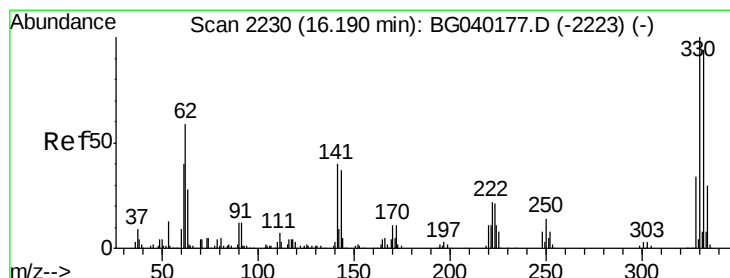
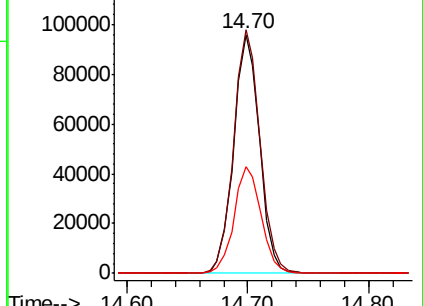
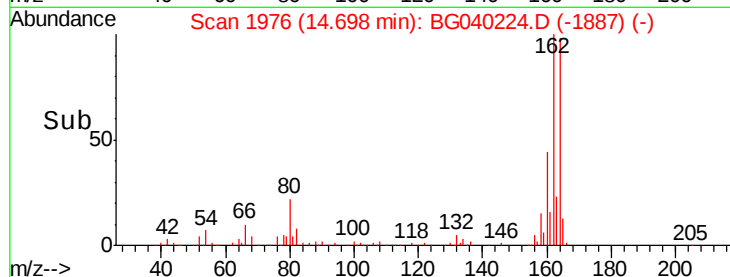
160 44.7 35.3 52.9



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: 140.870 ng

RT: 16.19 min Scan# 2230

Delta R.T. 0.00 min

Lab File: BG040224.D

Acq: 29 Mar 2019 7:41

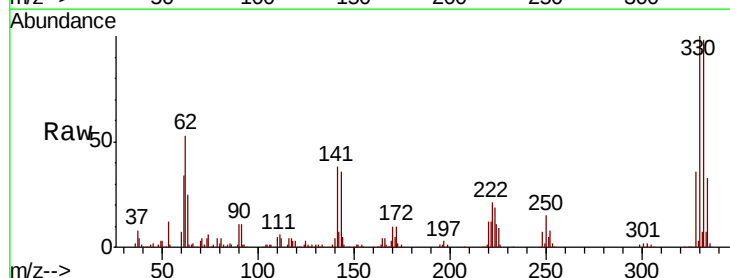
Tgt Ion:330 Resp: 217763

Ion Ratio Lower Upper

330 100

332 99.1 76.6 115.0

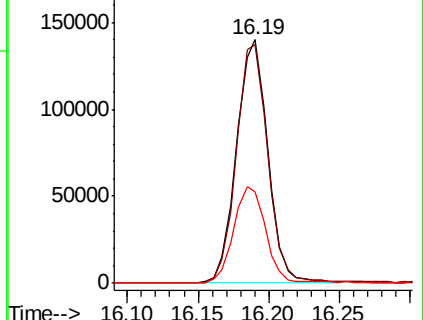
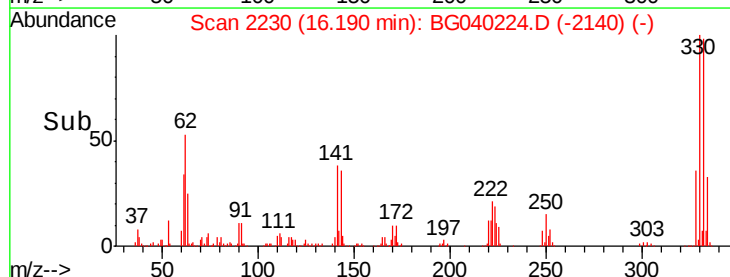
141 40.9 32.6 48.8



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

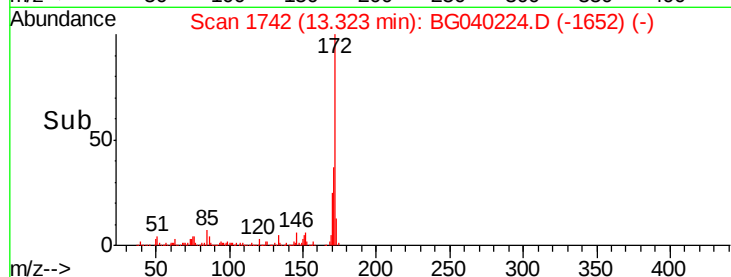
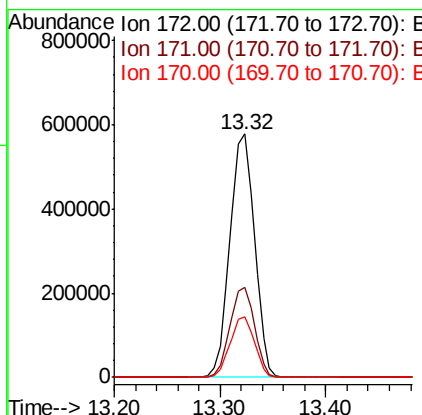
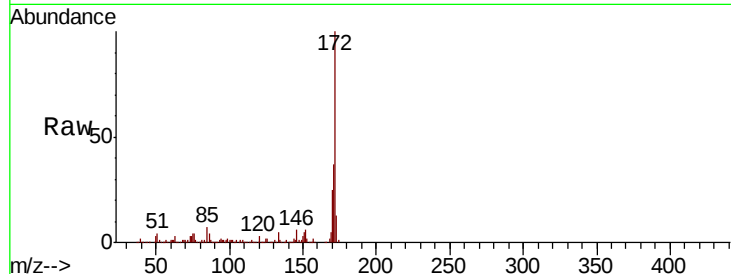




#45
2-Fluorobiphenyl
Concen: 96.298 ng
RT: 13.32 min Scan# 1742
Delta R.T. 0.00 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

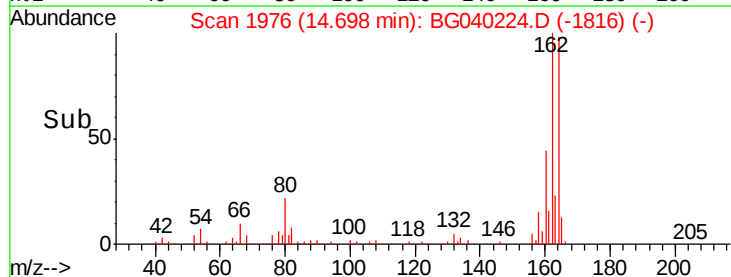
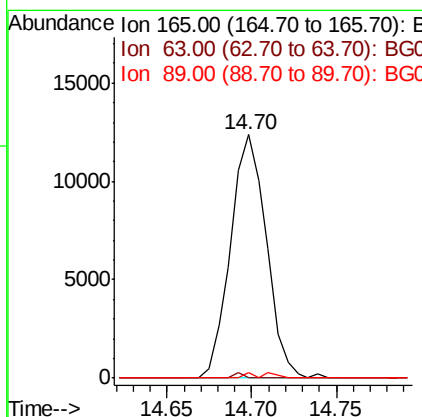
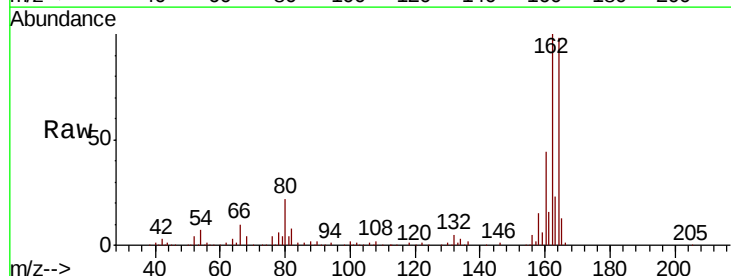
Instrument :
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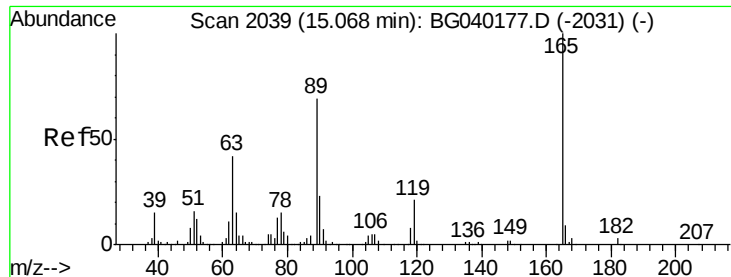
Tgt Ion:172 Resp: 929573
Ion Ratio Lower Upper
172 100
171 36.8 30.5 45.7
170 24.6 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.261 ng
RT: 14.70 min Scan# 1976
Delta R.T. 0.41 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

Tgt Ion:165 Resp: 18251
Ion Ratio Lower Upper
165 100
63 0.0 44.1 66.1#
89 2.5 44.9 67.3#

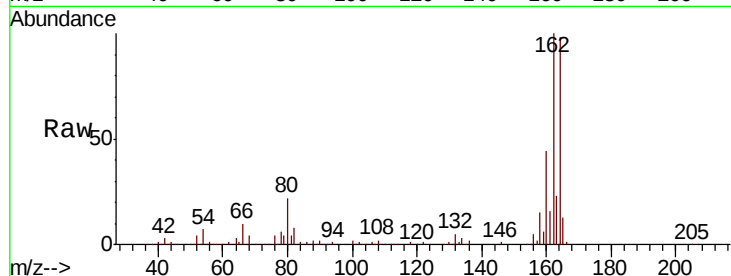




#57
2,4-Dinitrotoluene
Concen: 5.226 ng
RT: 14.70 min Scan# 1976
Delta R.T. -0.37 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

Instrument :
BNA_G
ClientSampleId :
TP-6

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.6#
89	2.5	55.4	83.2#
182	0.0	2.2	3.4#

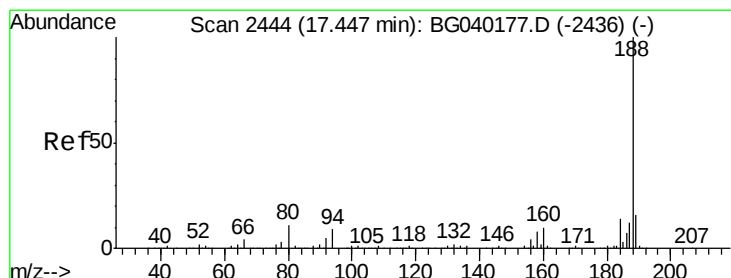
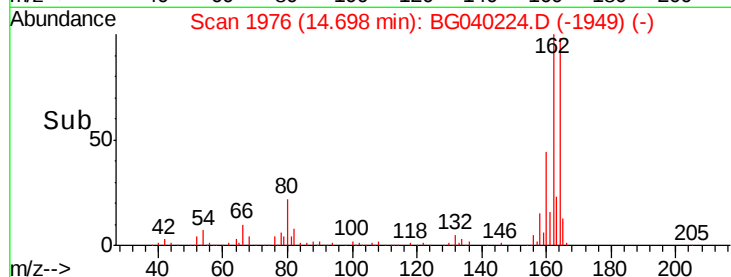
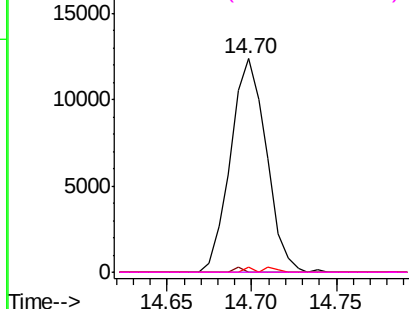


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

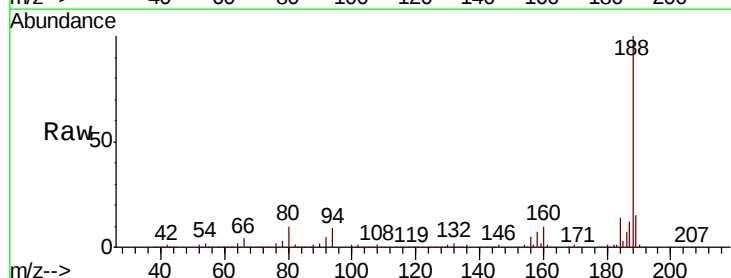
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.44 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BG040224.D
Acq: 29 Mar 2019 7:41

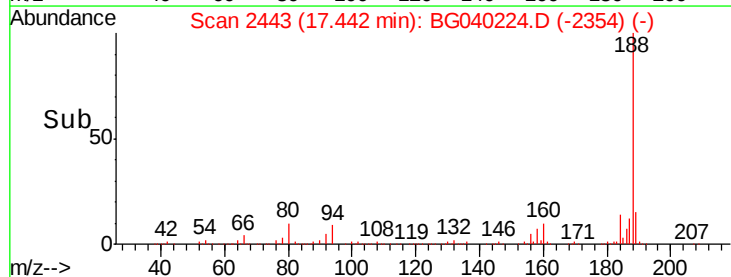
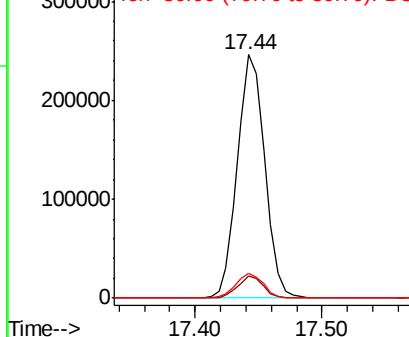
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.0	10.4
80	10.1	8.6	13.0



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

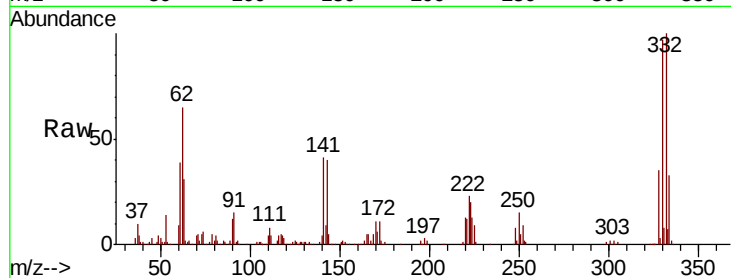




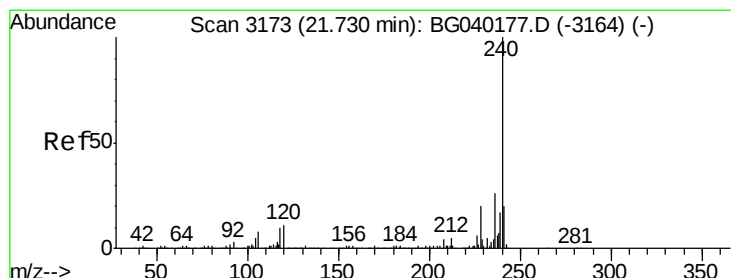
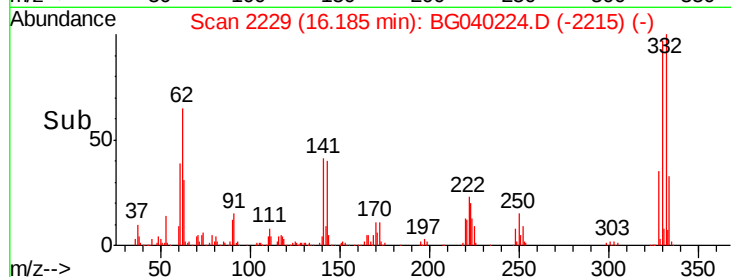
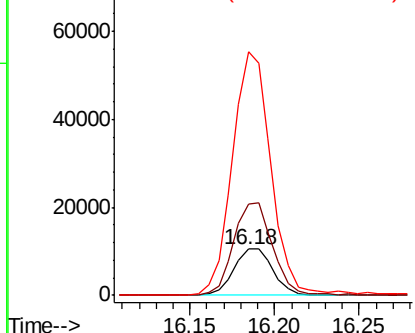
#67
 4-Bromophenyl-phenylether
 Concen: 4.089 ng
 RT: 16.18 min Scan# 2229
 Delta R.T. -0.45 min
 Lab File: BG040224.D
 Acq: 29 Mar 2019 7:41

Instrument :
 BNA_G
 ClientSampleId :
 TP-6

Tgt Ion:248 Resp: 16937
 Ion Ratio Lower Upper
 248 100
 250 196.6 76.4 114.6#
 141 524.5 53.8 80.8#

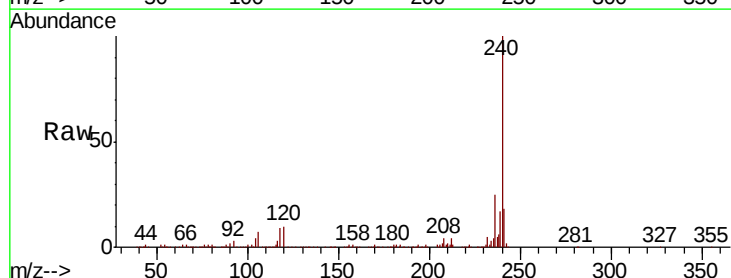


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

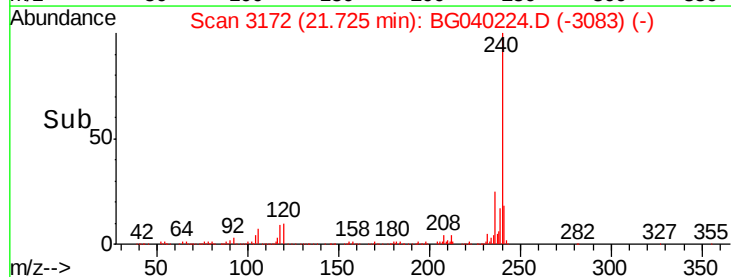
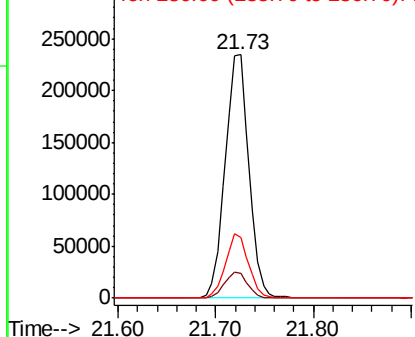


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.73 min Scan# 3172
 Delta R.T. -0.01 min
 Lab File: BG040224.D
 Acq: 29 Mar 2019 7:41

Tgt Ion:240 Resp: 396538
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.4 12.6
 236 24.7 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: 88.514 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG040224.D

Acq: 29 Mar 2019 7:41

Instrument :

BNA_G

ClientSampleId :

TP-6

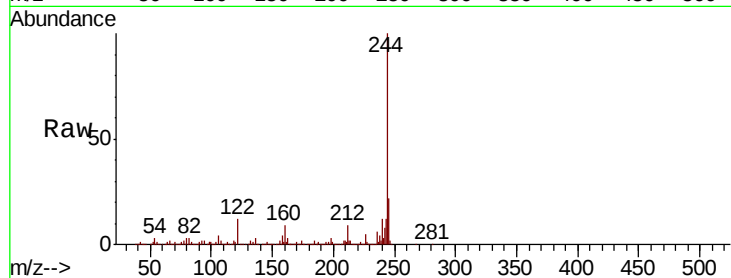
Tgt Ion:244 Resp: 1560196

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

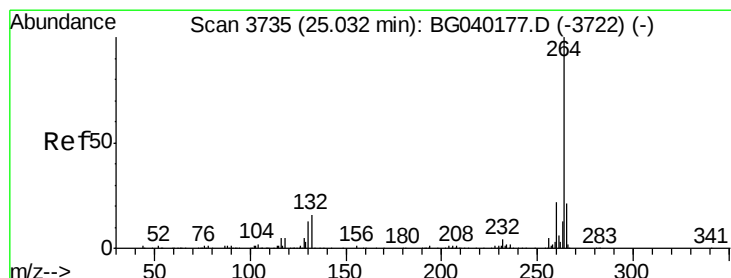
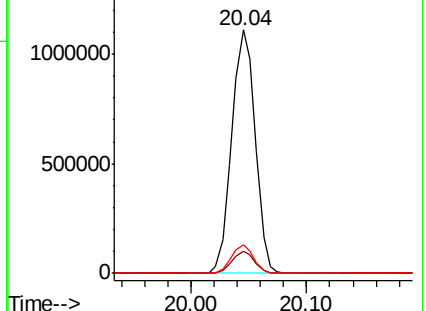
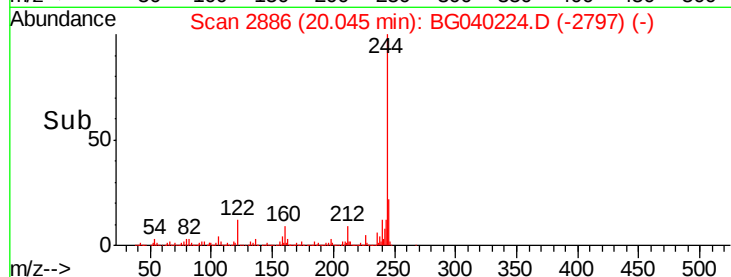
122 11.7 8.5 12.7



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: 25.02 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG040224.D

Acq: 29 Mar 2019 7:41

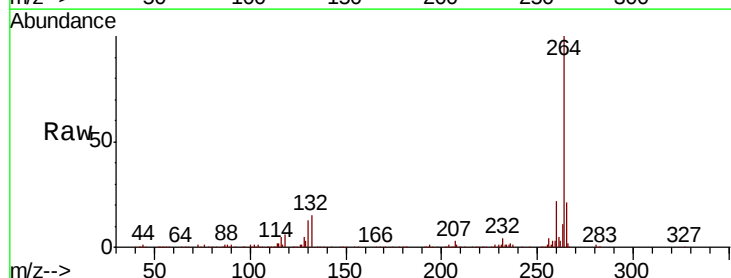
Tgt Ion:264 Resp: 389547

Ion Ratio Lower Upper

264 100

260 22.2 17.9 26.9

265 21.2 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

