

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG032019\
 Data File : BG040048.D
 Acq On : 20 Mar 2019 23:05
 Operator : JU/SJ
 Sample : K1971-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 21 09:30:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 04 14:38:15 2019
 Response via : Initial Calibration

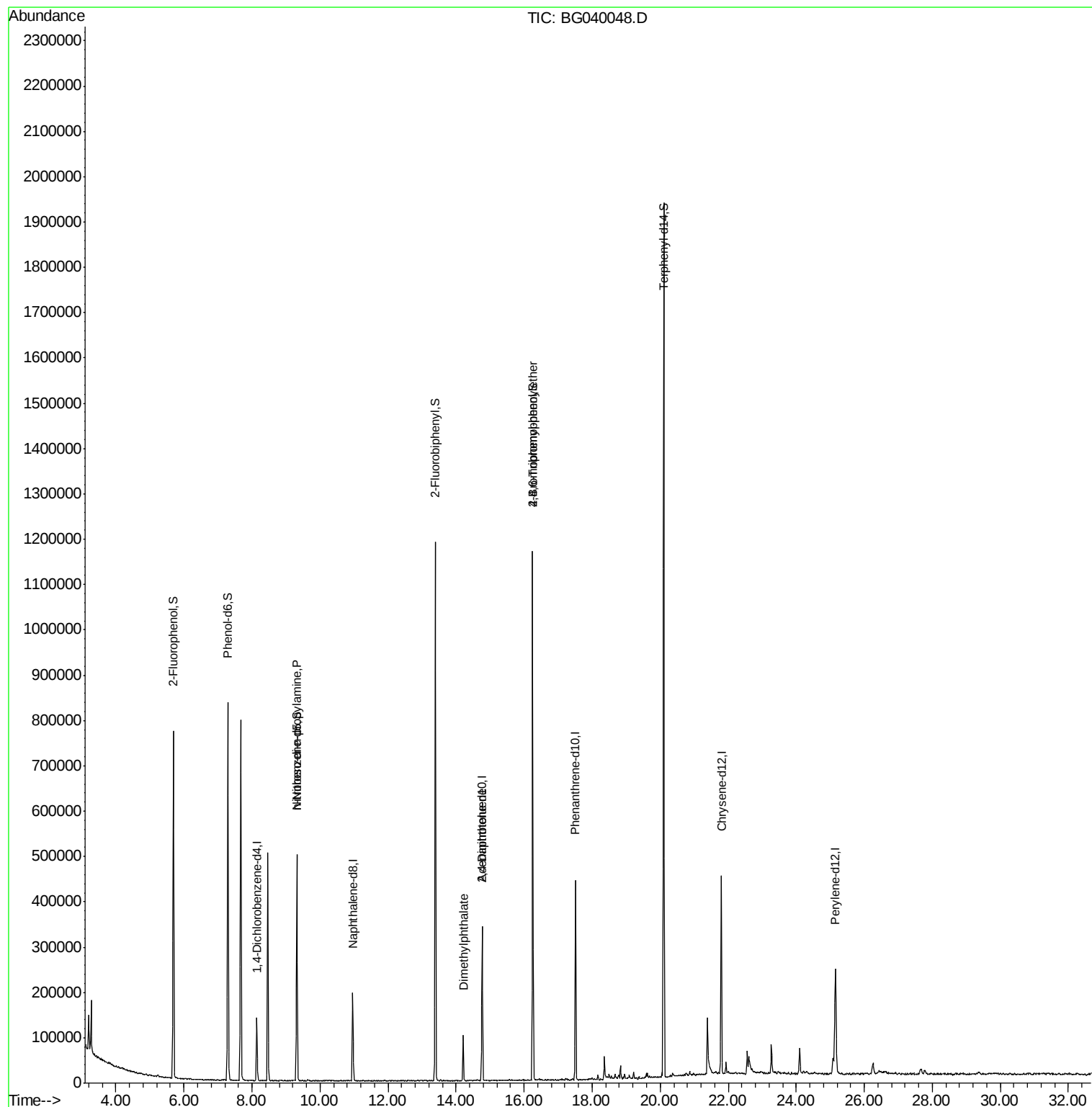
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	38082	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	166553	20.00	ng	-0.03
39) Acenaphthene-d10	14.77	164	116536	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	276269	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	260002	20.00	ng	-0.03
87) Perylene-d12	25.15	264	265523	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.69	112	323932	145.12	ng	-0.02
7) Phenol-d6	7.29	99	483765	145.35	ng	-0.02
23) Nitrobenzene-d5	9.32	82	297247	96.52	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	199506	146.88	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	638585	78.02	ng	-0.02
79) Terphenyl-d14	20.11	244	910445	77.10	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.32	70	38447	16.048	ng	# 69
50) Dimethylphthalate	14.21	163	72051	7.394	ng	# 99
57) 2,4-Dinitrotoluene	14.77	165	15247	5.253	ng	# 17
67) 4-Bromophenyl-phenylether	16.25	248	15736	5.089	ng	# 1

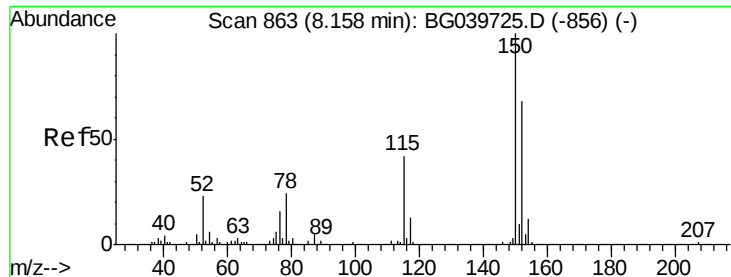
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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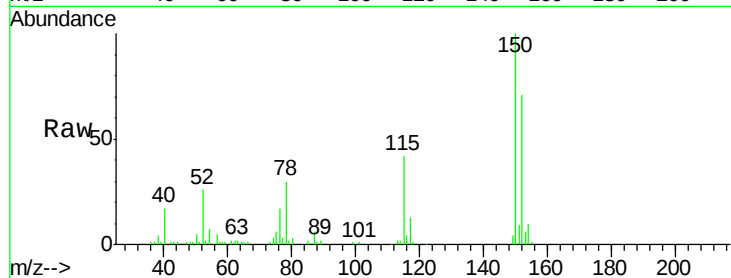


#1

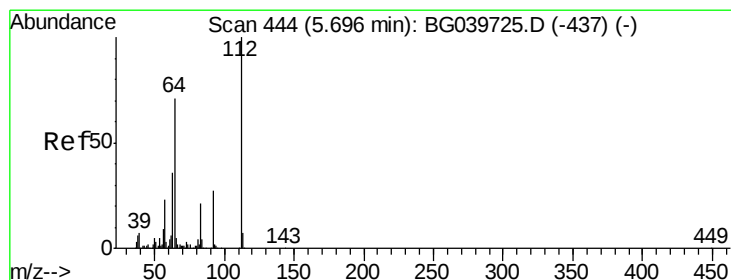
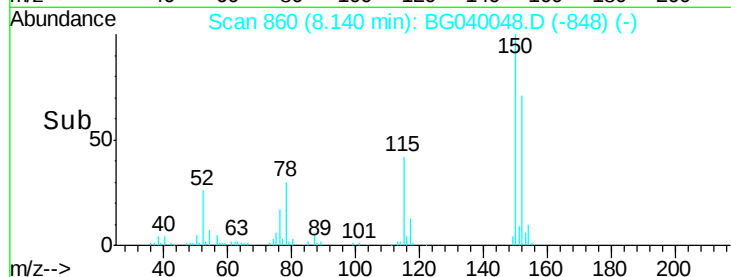
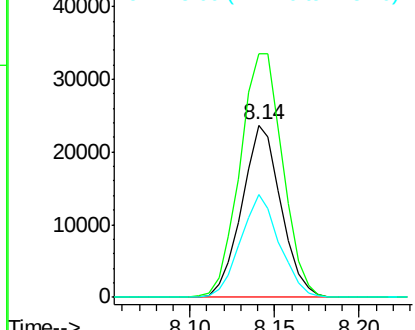
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.03 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	141.4	123.7	185.5
115	60.1	45.9	68.9



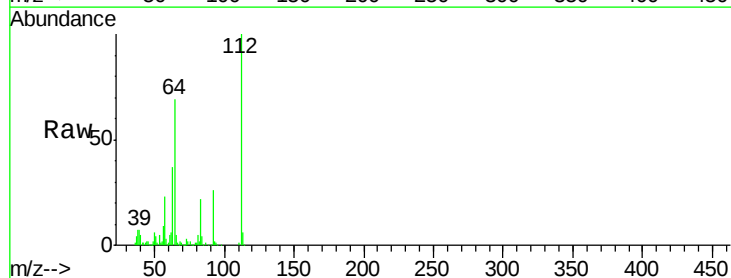
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



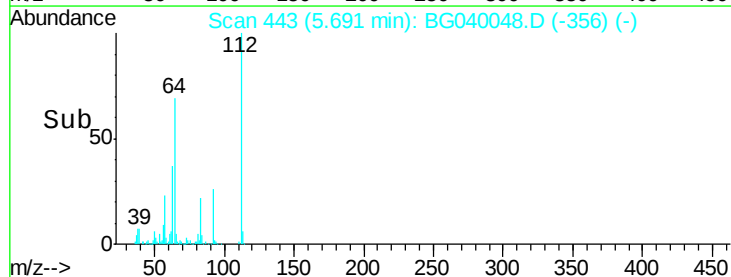
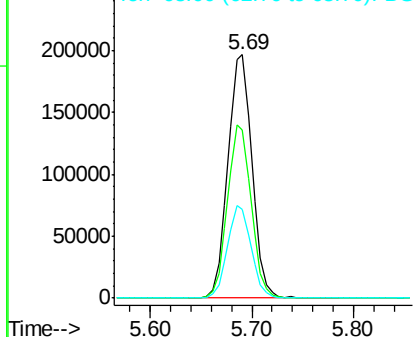
#5

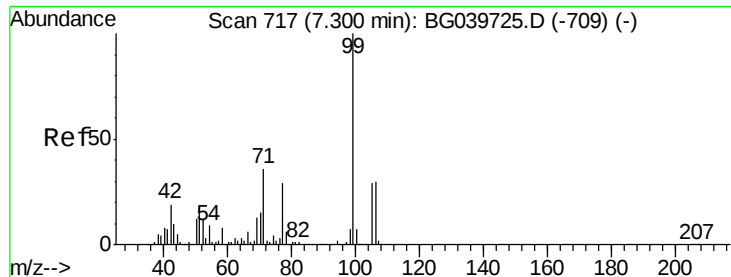
2-Fluorophenol
Concen: 145.116 ng
RT: 5.69 min Scan# 443
Delta R.T. -0.02 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	57.8	86.8
63	36.7	29.8	44.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 145.345 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG040048.D

Acq: 20 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

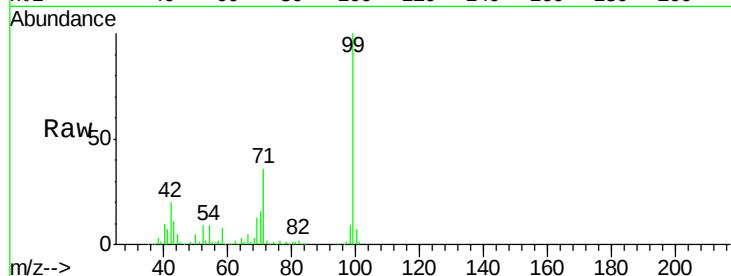
Tot Ion: 99 Resp: 483765

Ion Ratio Lower Upper

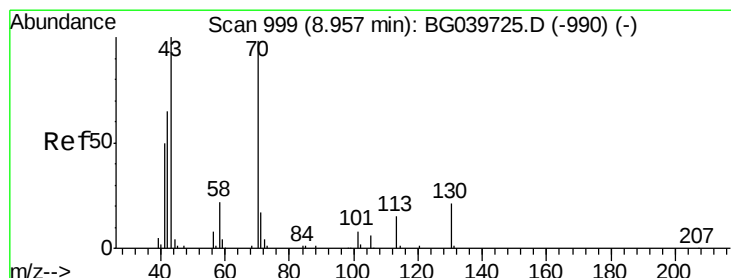
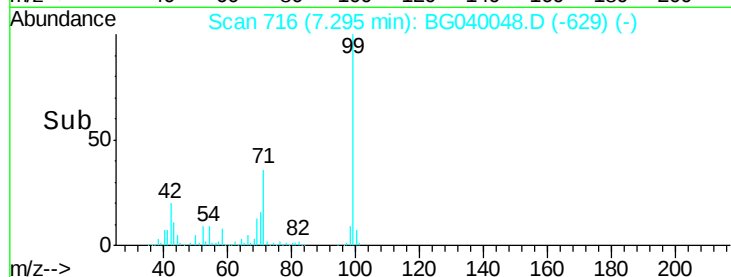
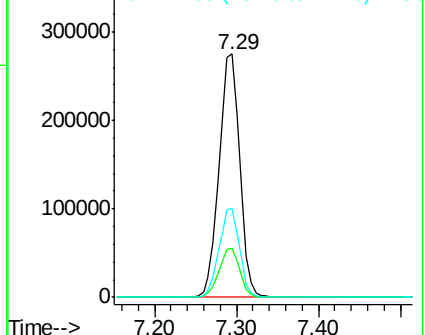
99 100

42 20.0 18.2 27.2

71 36.2 28.0 42.0



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: 16.048 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040048.D

Acq: 20 Mar 2019 23:05

Tgt Ion: 70 Resp: 38447

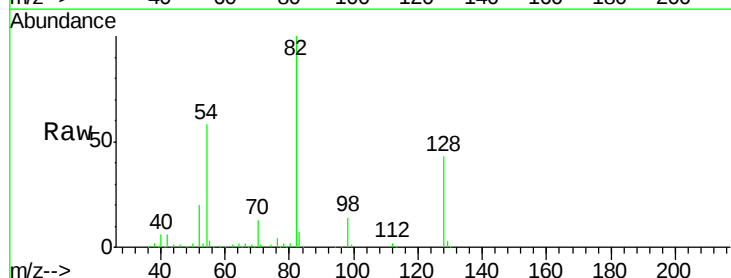
Ion Ratio Lower Upper

70 100

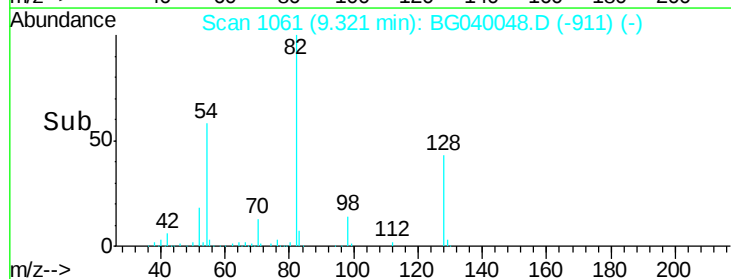
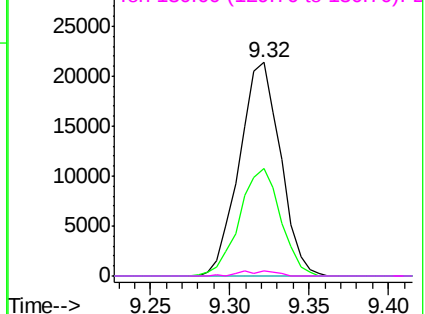
42 50.2 60.4 90.6#

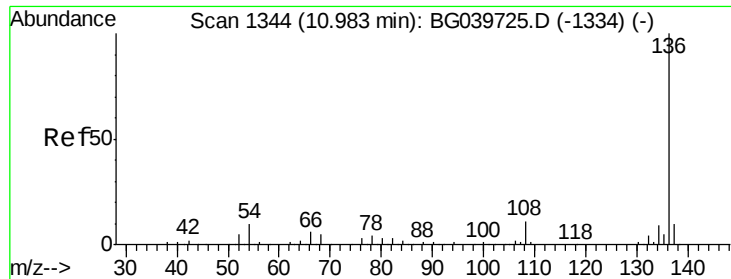
101 0.0 7.5 11.3#

130 2.3 16.9 25.3#



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

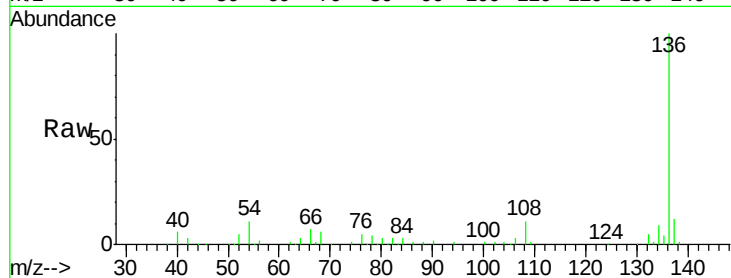




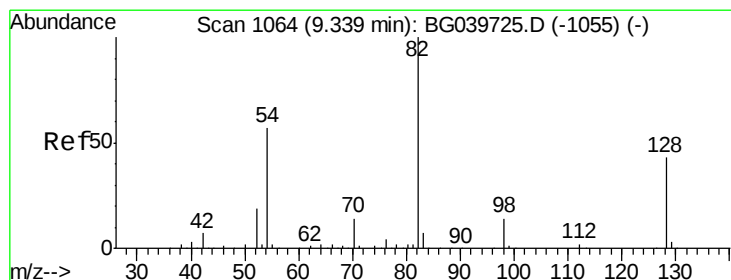
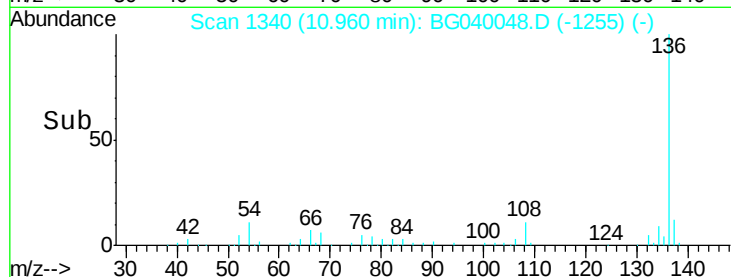
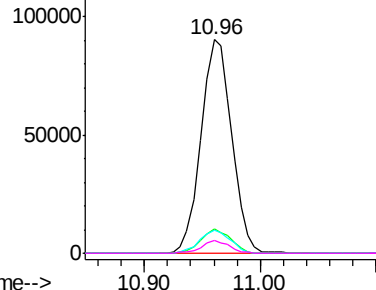
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.96 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	166553
Ion	Ratio	Lower Upper
136	100	
137	11.5	9.1 13.7
54	10.7	9.4 14.2
68	6.1	4.2 6.4

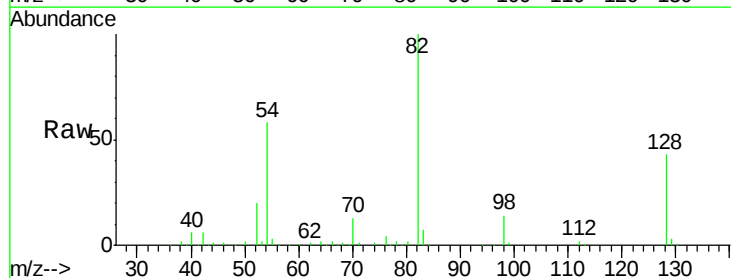


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

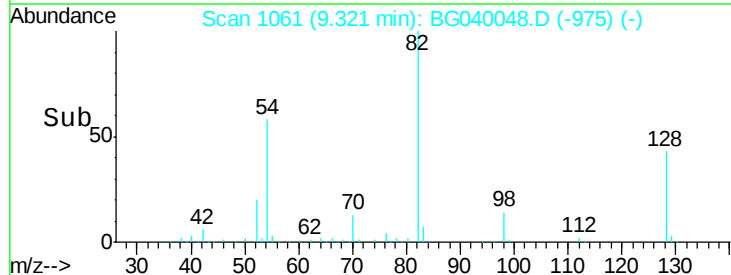
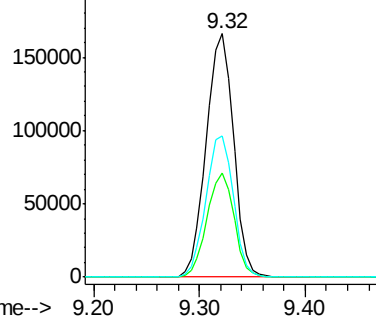


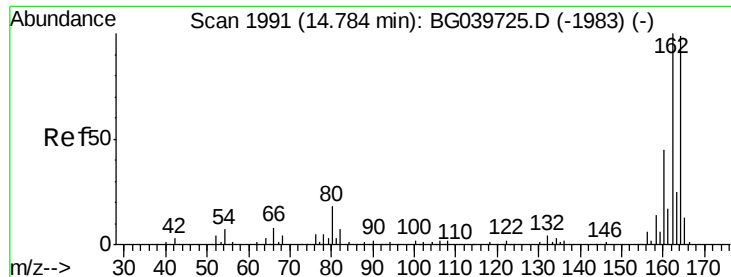
#23
Nitrobenzene-d5
Concen: 96.524 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

Tgt Ion: 82	Resp:	297247
Ion	Ratio	Lower Upper
82	100	
128	42.5	31.3 46.9
54	58.0	50.9 76.3



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: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040048.D

Acq: 20 Mar 2019 23:05

Instrument :

BNA_G

ClientSampleId :

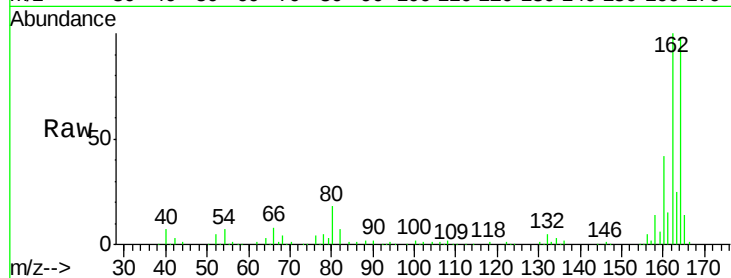
Tot Ion:164 Resp: 116536

Ion Ratio Lower Upper

164 100

162 101.8 81.6 122.4

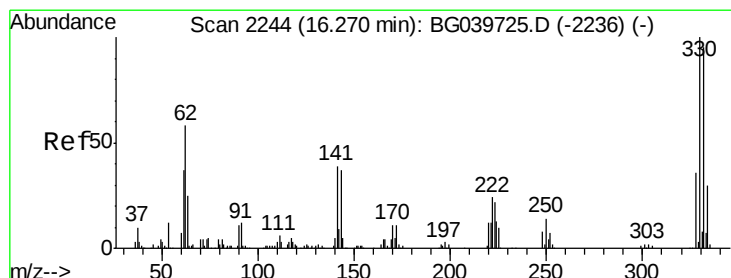
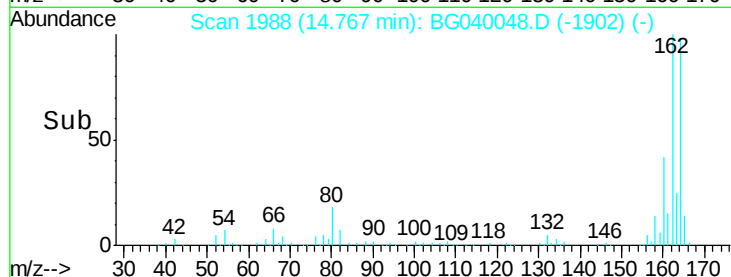
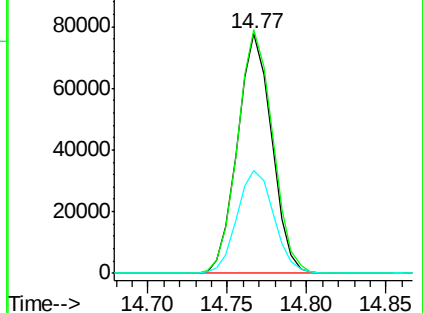
160 42.9 34.2 51.2



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: 146.878 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.02 min

Lab File: BG040048.D

Acq: 20 Mar 2019 23:05

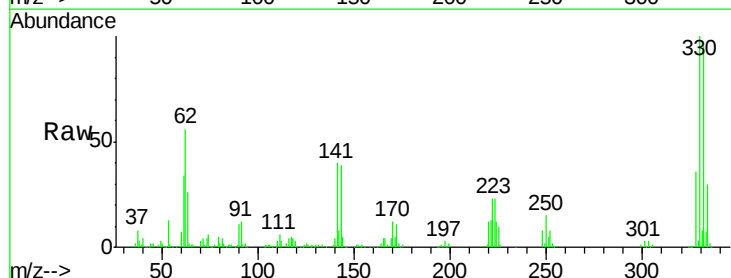
Tgt Ion:330 Resp: 199506

Ion Ratio Lower Upper

330 100

332 95.1 75.7 113.5

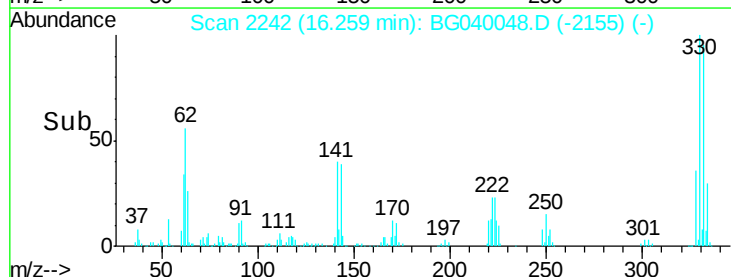
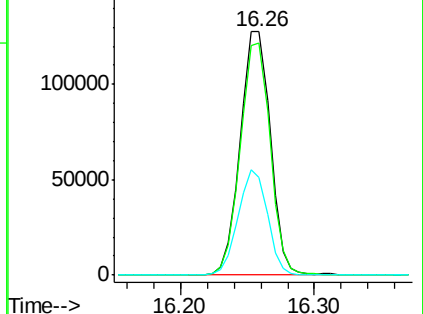
141 42.4 35.6 53.4

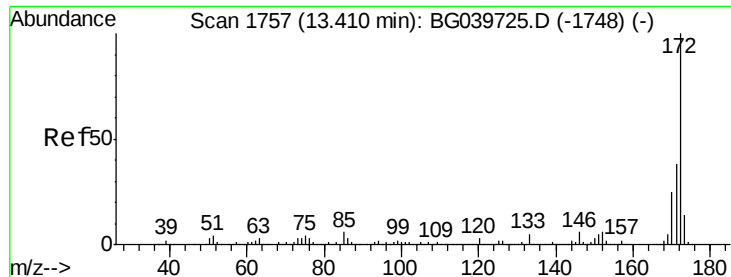


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

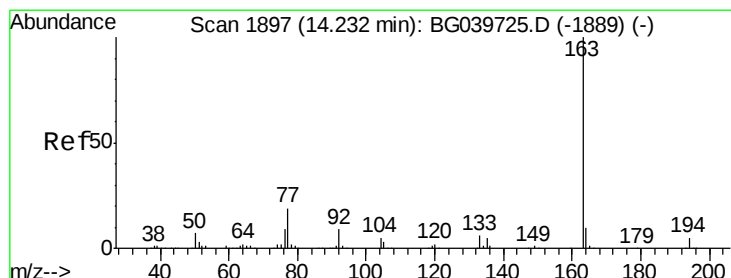
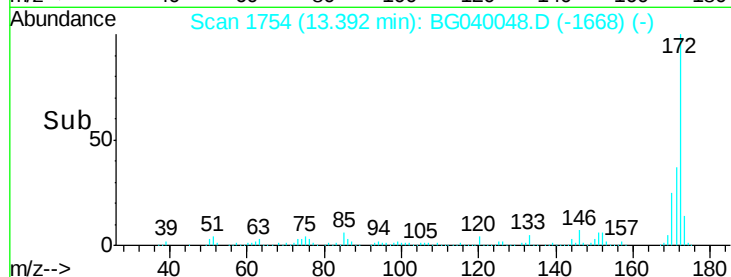
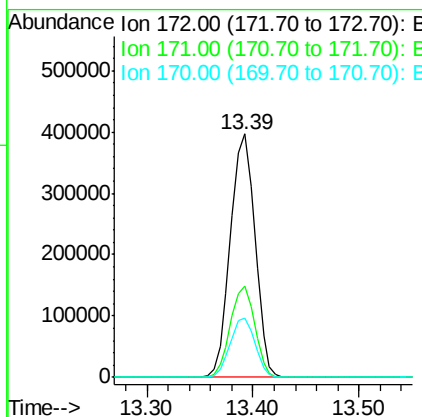
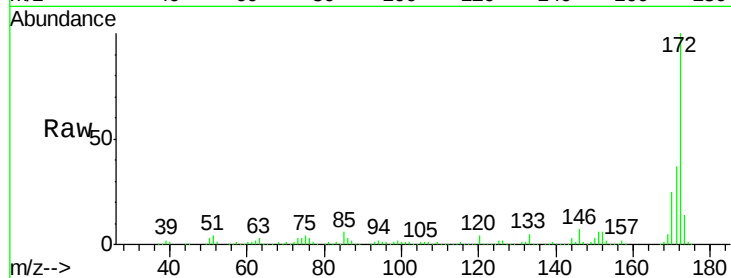




#45
2-Fluorobiphenyl
Concen: 78.022 ng
RT: 13.39 min Scan# 1754
Delta R.T. -0.02 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

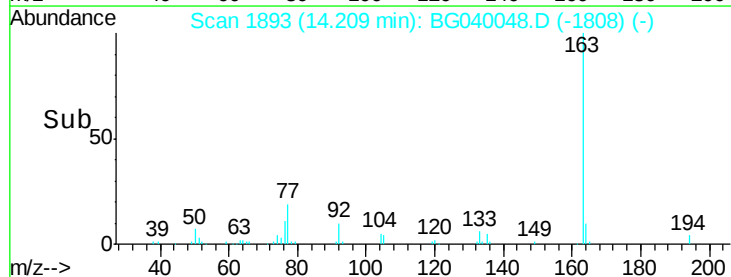
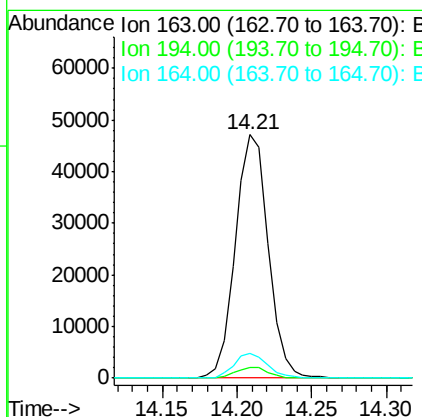
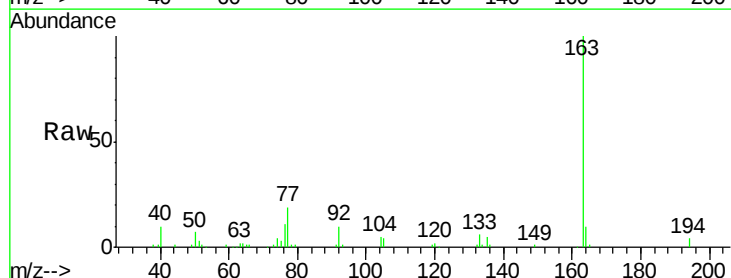
Instrument :
BNA_G
ClientSampleId :

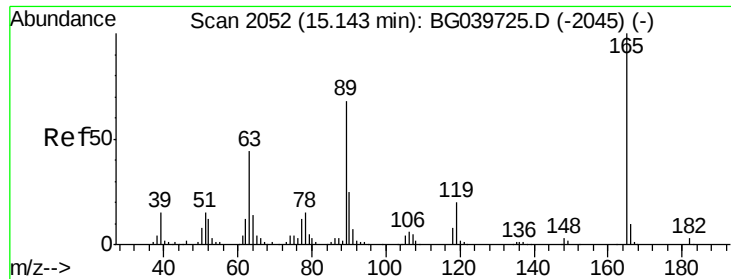
Tot Ion:172 Resp: 638585
Ion Ratio Lower Upper
172 100
171 37.4 30.8 46.2
170 24.6 20.2 30.4



#50
Dimethylphthalate
Concen: 7.394 ng
RT: 14.21 min Scan# 1893
Delta R.T. -0.03 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

Tgt Ion:163 Resp: 72051
Ion Ratio Lower Upper
163 100
194 4.3 3.6 5.4
164 10.0 8.4 12.6

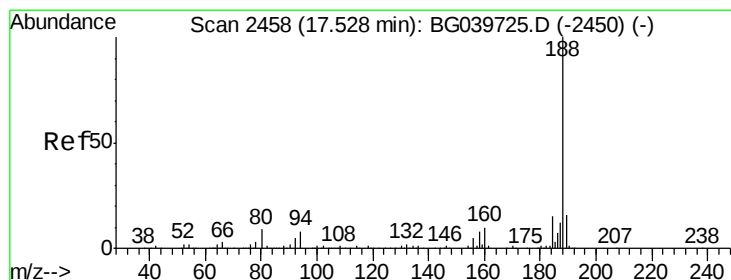
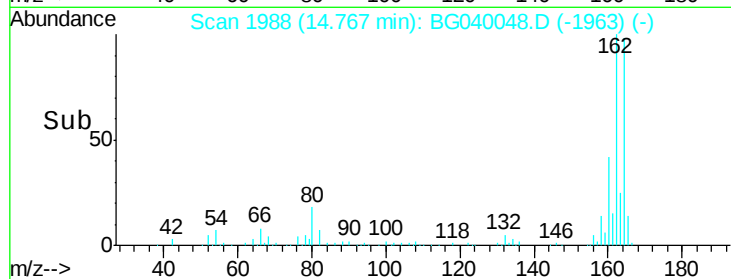
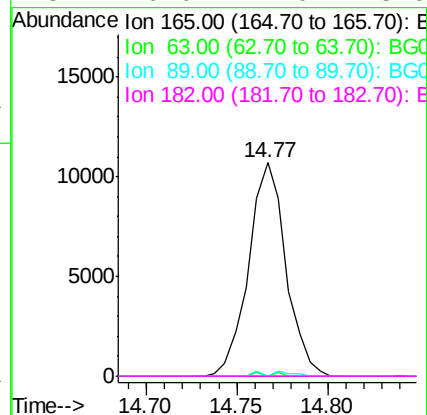
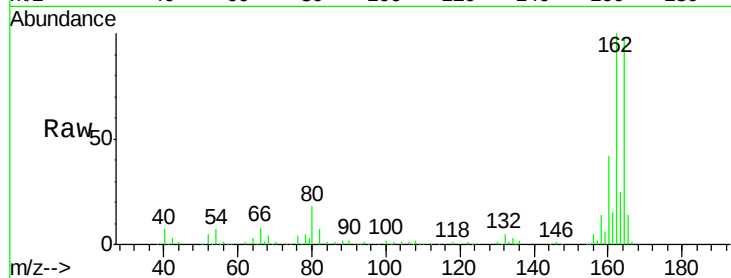




#57
 2,4-Dinitrotoluene
 Concen: 5.253 ng
 RT: 14.77 min Scan# 1988
 Delta R.T. -0.38 min
 Lab File: BG040048.D
 Acq: 20 Mar 2019 23:05

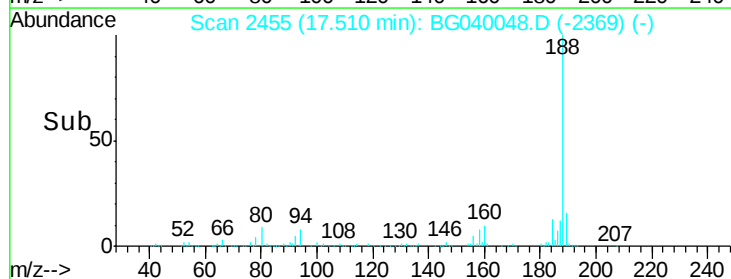
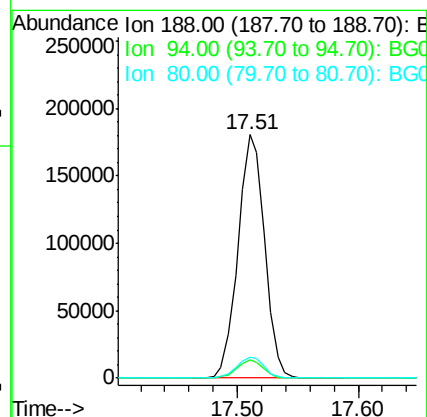
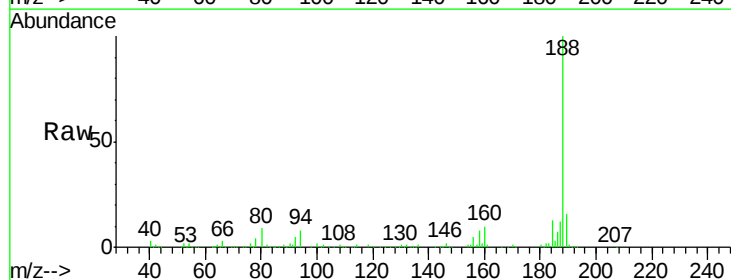
Instrument :
 BNA_G
 ClientSampleId :

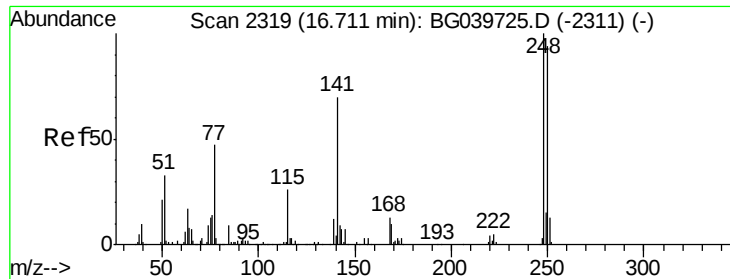
Tot Ion:	165	Resp:	15247
Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.0	61.6#
89	0.0	64.6	96.8#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.51 min Scan# 2455
 Delta R.T. -0.02 min
 Lab File: BG040048.D
 Acq: 20 Mar 2019 23:05

Tgt Ion:	188	Resp:	276269
Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	8.6	8.1	12.1

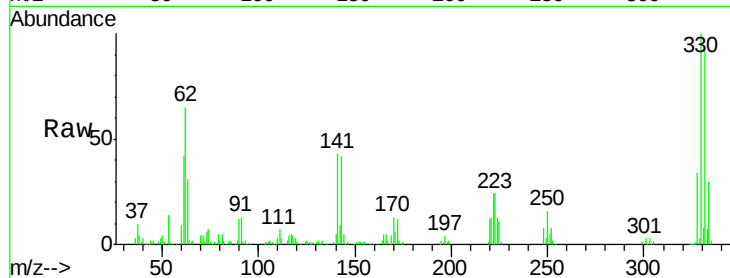




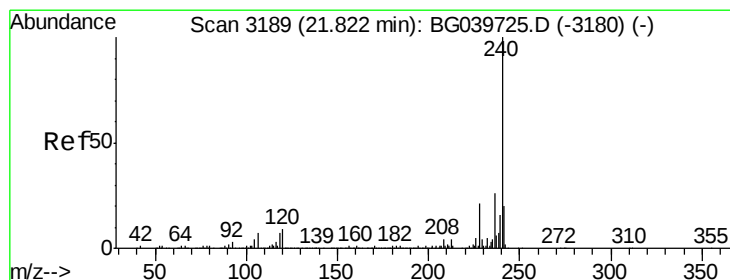
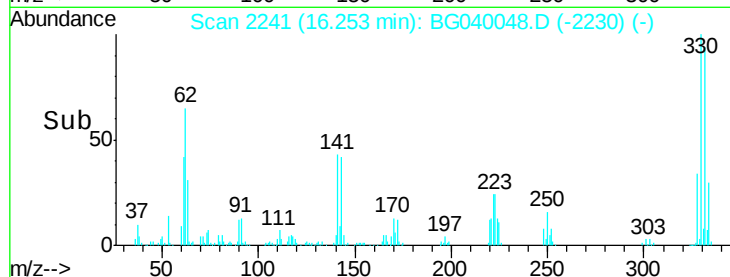
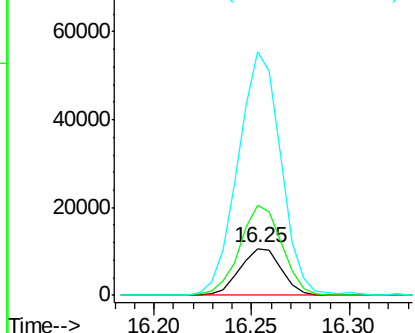
#67
4-Bromophenyl-phenylether
Concen: 5.089 ng
RT: 16.25 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 15736
Ion Ratio Lower Upper
248 100
250 194.0 77.6 116.4#
141 522.9 63.9 95.9#

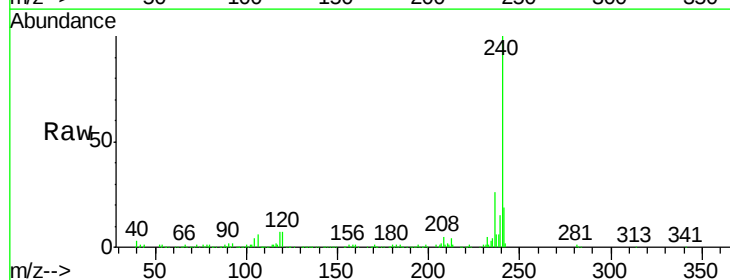


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

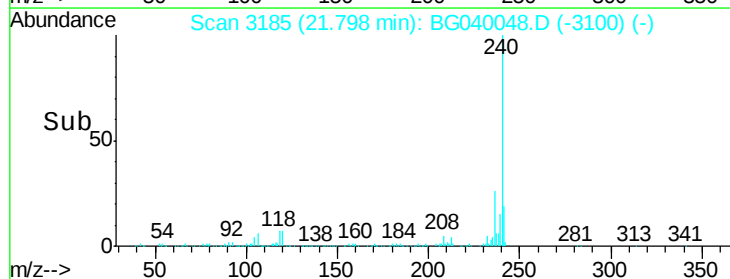
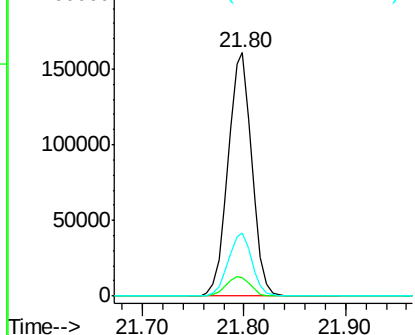


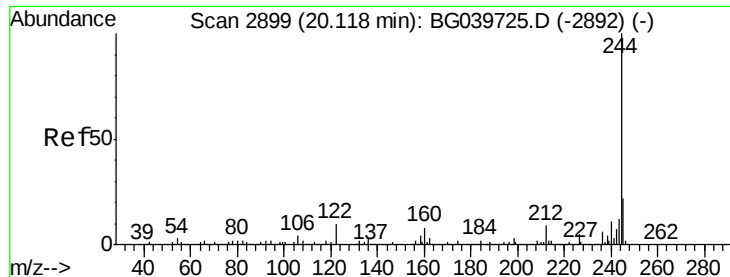
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.03 min
Lab File: BG040048.D
Acq: 20 Mar 2019 23:05

Tgt Ion:240 Resp: 260002
Ion Ratio Lower Upper
240 100
120 7.5 7.0 10.6
236 25.8 21.0 31.4



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: 77.100 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040048.D

Acq: 20 Mar 2019 23:05

Instrument :

BNA_G

ClientSampled :

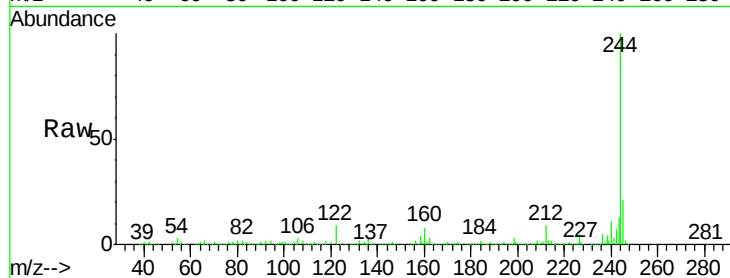
Tot Ion:244 Resp: 910445

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.3	10.9
122	9.1	8.4	12.6

244 100

212 8.7 7.3 10.9

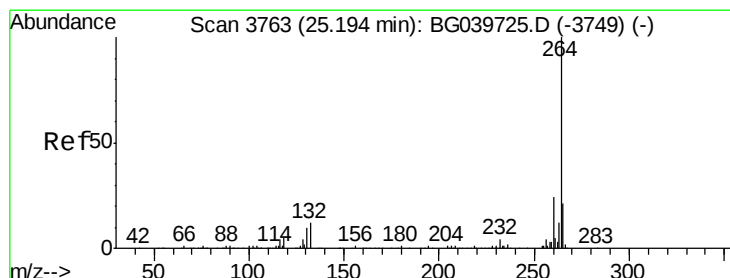
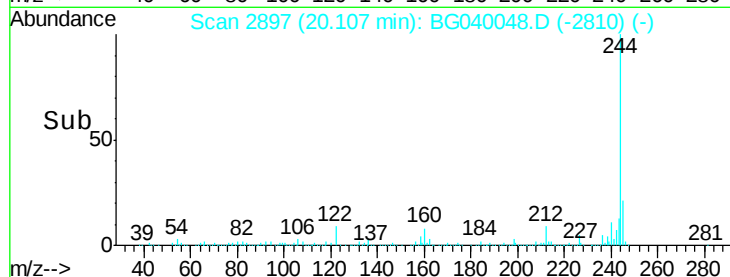
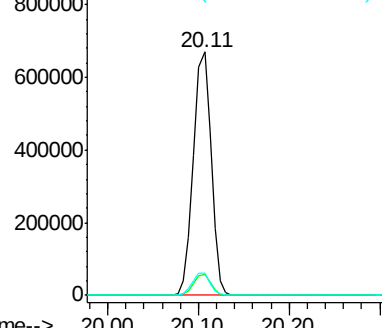
122 9.1 8.4 12.6



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: 25.15 min Scan# 3756

Delta R.T. -0.05 min

Lab File: BG040048.D

Acq: 20 Mar 2019 23:05

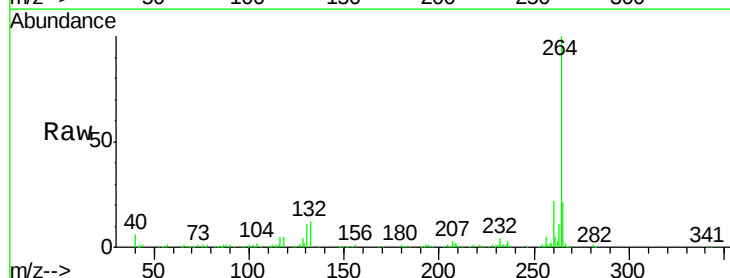
Tgt Ion:264 Resp: 265523

Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.2	27.4
265	20.6	18.5	27.7

264 100

260 21.9 18.2 27.4

265 20.6 18.5 27.7



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

