

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\
 Data File : BG039410.D
 Acq On : 8 Feb 2019 10:04
 Operator : JU/SJ
 Sample : K1401-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200028

Quant Time: Feb 09 01:11:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 29 15:41:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	49124	20.00	ng	0.00
21) Naphthalene-d8	11.00	136	213441	20.00	ng	-0.01
39) Acenaphthene-d10	14.80	164	138773	20.00	ng	-0.01
64) Phenanthrene-d10	17.54	188	331561	20.00	ng	-0.01
76) Chrysene-d12	21.83	240	367830	20.00	ng	-0.02
87) Perylene-d12	25.22	264	349509	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	431989	150.51	ng	0.00
7) Phenol-d6	7.31	99	567710	134.37	ng	0.00
23) Nitrobenzene-d5	9.35	82	396682	116.10	ng	-0.01
42) 2,4,6-Tribromophenol	16.28	330	221222	148.04	ng	0.00
45) 2-Fluorobiphenyl	13.42	172	916160	94.71	ng	-0.01
79) Terphenyl-d14	20.14	244	1547776	89.07	ng	-0.01

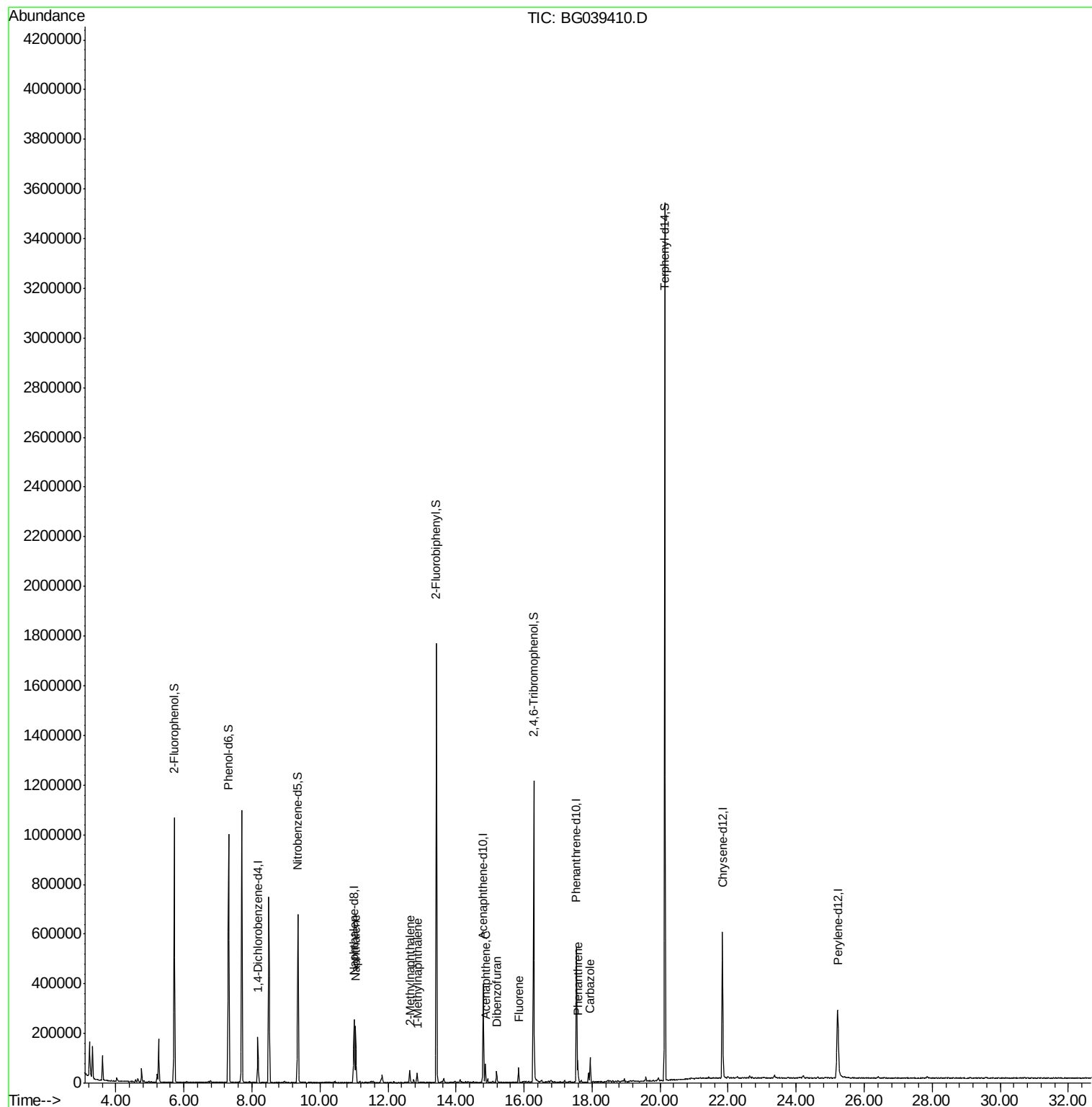
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	11.05	128	188805	17.831	ng	99
37) 2-Methylnaphthalene	12.64	142	23206	2.959	ng	89
38) 1-Methylnaphthalene	12.86	142	16970	2.245	ng	91
52) Acenaphthene	14.86	154	27636	3.248	ng	97
55) Dibenzofuran	15.20	168	30054	2.203	ng	96
58) Fluorene	15.84	166	26757	2.631	ng	94
71) Phenanthrene	17.59	178	56307	3.281	ng	99
73) Carbazole	17.94	167	67110	3.978	ng	97

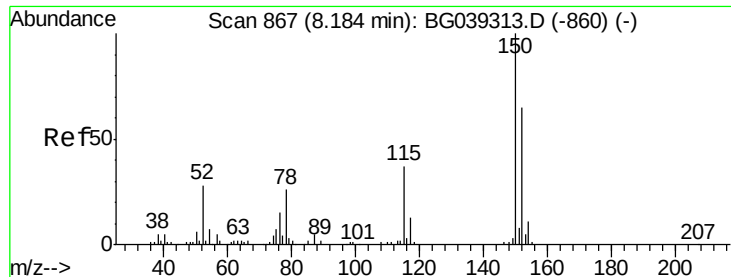
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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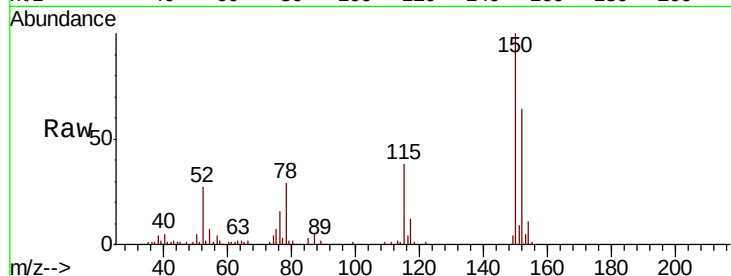


#1

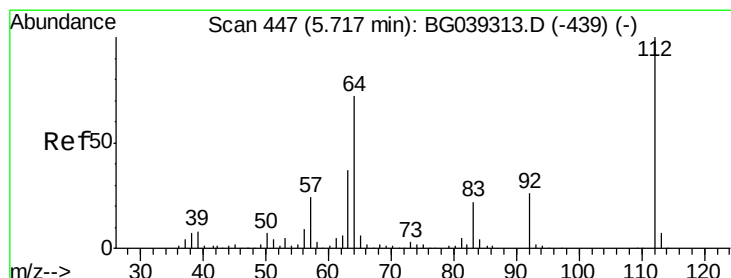
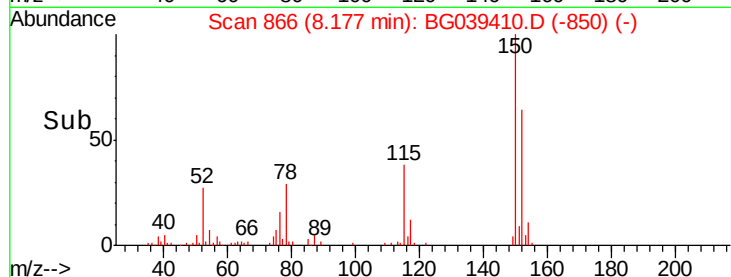
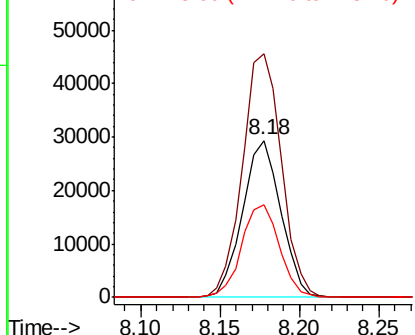
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BG039410.D
Acq: 8 Feb 2019 10:04

Instrument :
BNA_G
ClientSampleId :
RBR-200028

Tot Ion:152 Resp: 49124
Ion Ratio Lower Upper
152 100
150 155.1 123.7 185.5
115 59.0 45.9 68.9



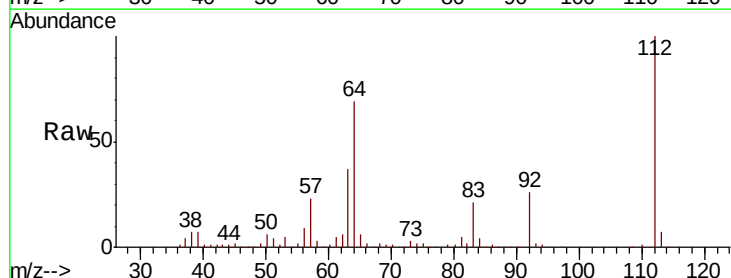
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



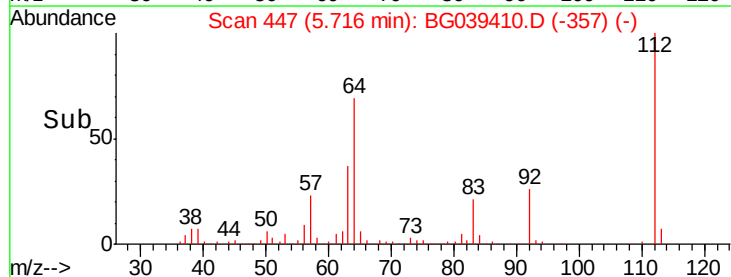
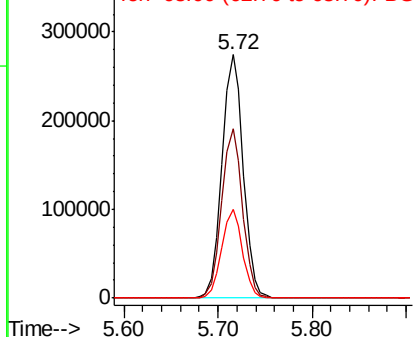
#5

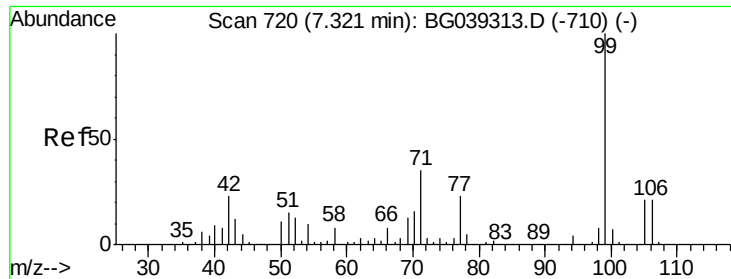
2-Fluorophenol
Concen: 150.507 ng
RT: 5.72 min Scan# 447
Delta R.T. -0.00 min
Lab File: BG039410.D
Acq: 8 Feb 2019 10:04

Tgt Ion:112 Resp: 431989
Ion Ratio Lower Upper
112 100
64 69.5 57.8 86.8
63 36.6 29.8 44.6



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: 134.373 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

Instrument :

BNA_G

ClientSampleId :

RBR-200028

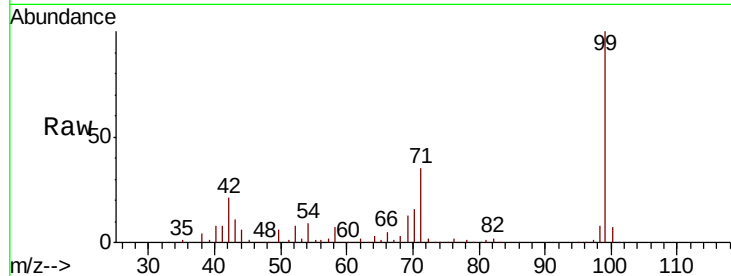
Tot Ion: 99 Resp: 567710

Ion Ratio Lower Upper

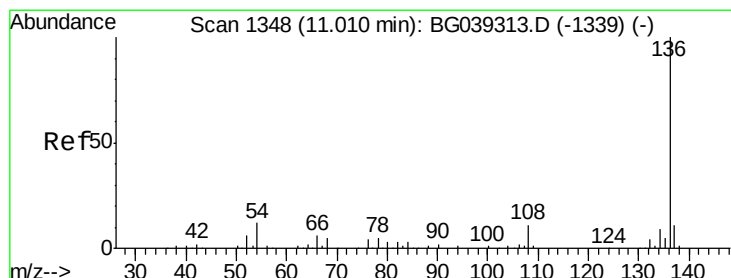
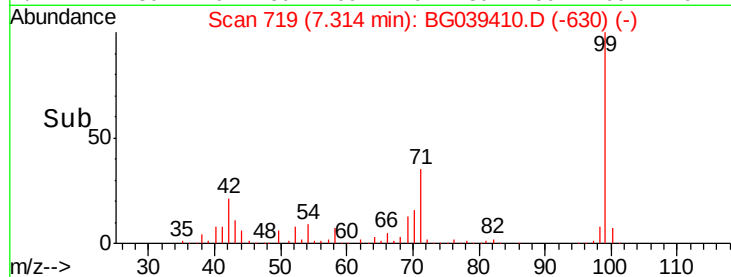
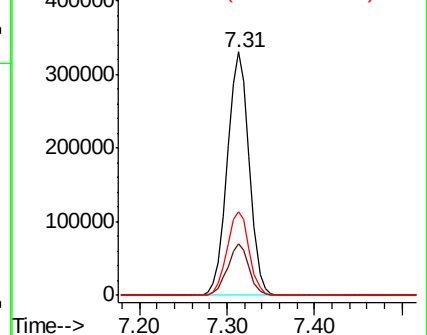
99 100

42 21.1 18.2 27.2

71 34.6 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

Tgt Ion: 136 Resp: 213441

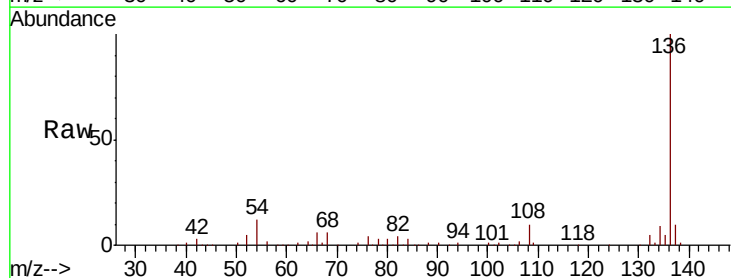
Ion Ratio Lower Upper

136 100

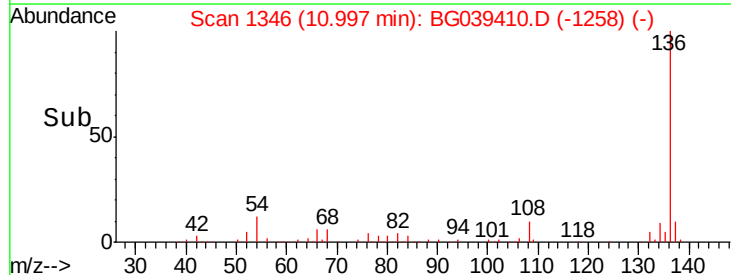
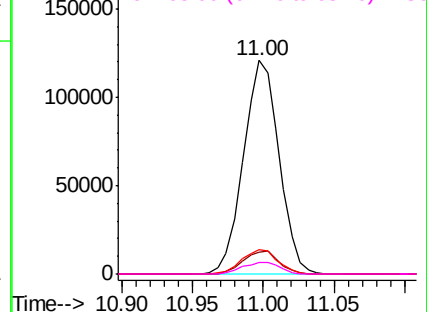
137 10.5 9.1 13.7

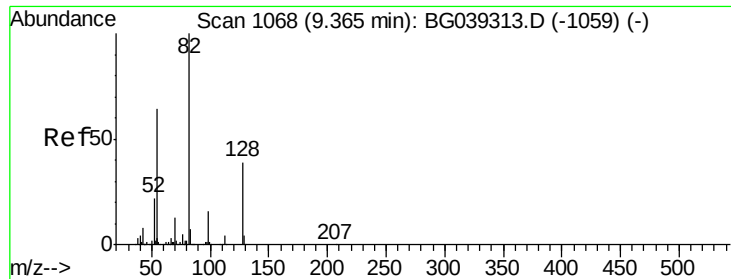
54 11.5 9.4 14.2

68 5.5 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

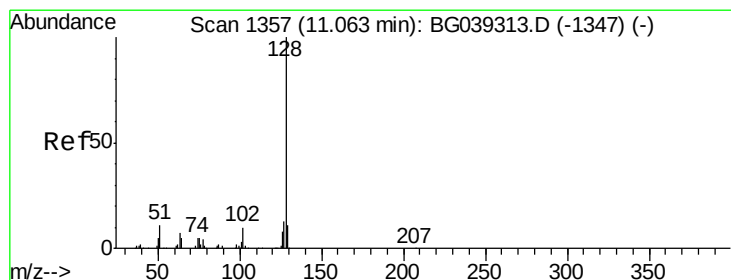
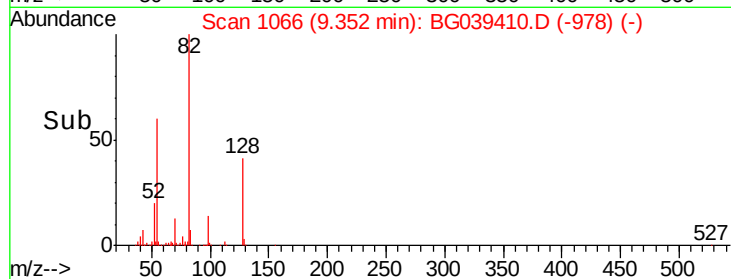
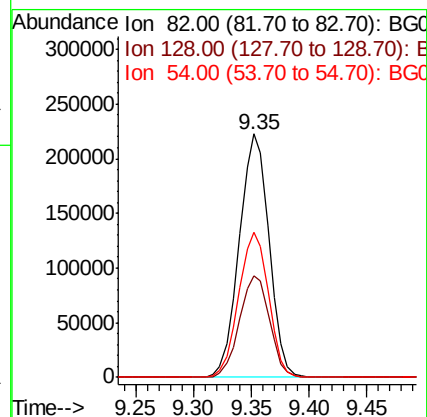
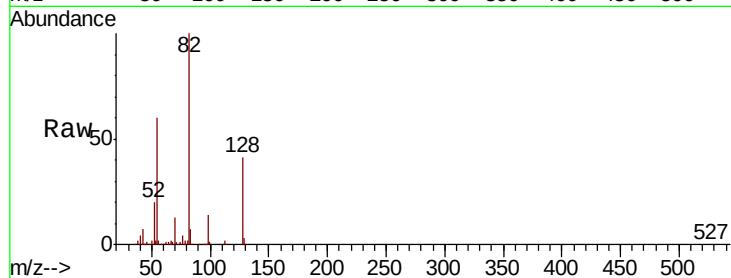




#23
 Nitrobenzene-d5
 Concen: 116.104 ng
 RT: 9.35 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: BG039410.D
 Acq: 8 Feb 2019 10:04

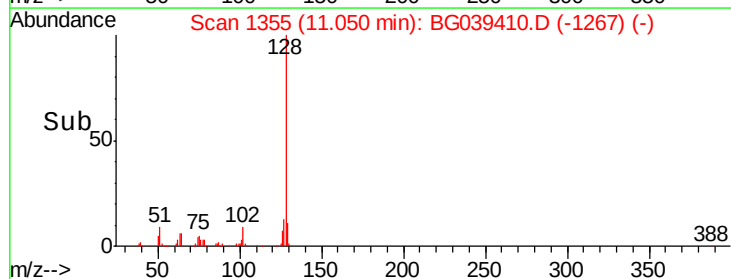
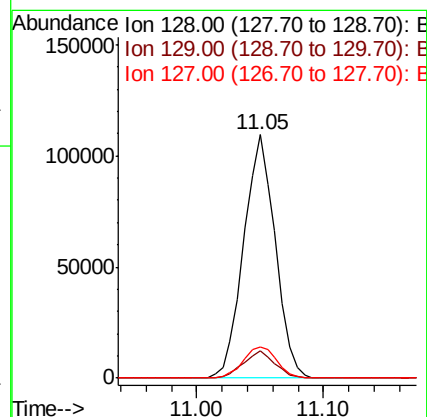
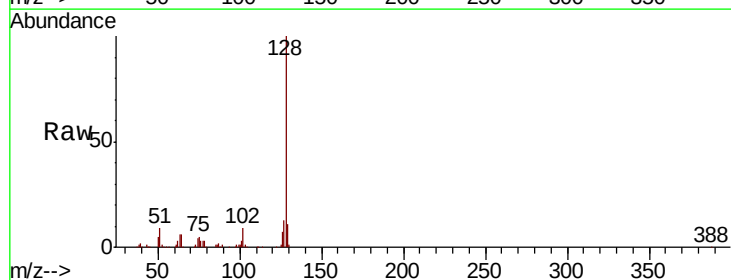
Instrument :
 BNA_G
 ClientSampleId :
 RBR-200028

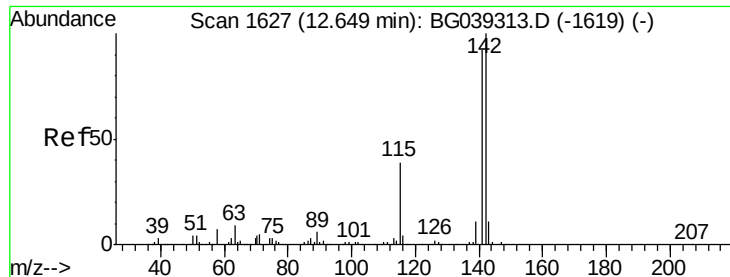
Tot Ion: 82 Resp: 396682
 Ion Ratio Lower Upper
 82 100
 128 41.5 31.3 46.9
 54 59.8 50.9 76.3



#31
 Naphthalene
 Concen: 17.831 ng
 RT: 11.05 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: BG039410.D
 Acq: 8 Feb 2019 10:04

Tgt Ion: 128 Resp: 188805
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.7 13.1
 127 12.6 10.8 16.2

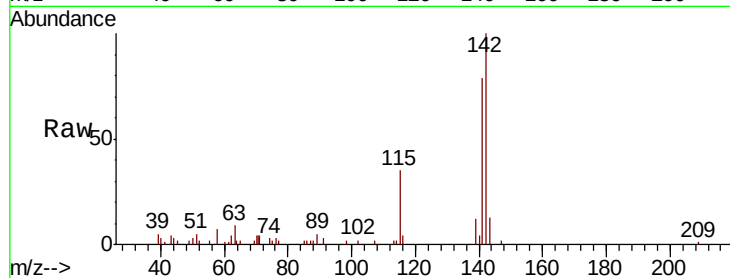




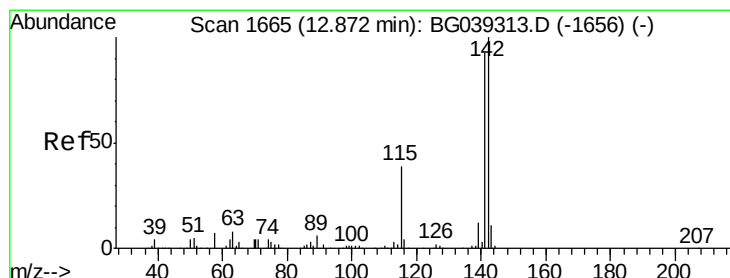
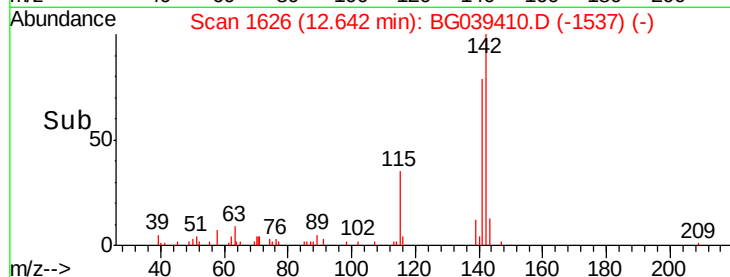
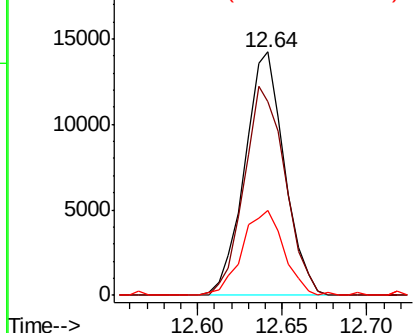
#37
2-Methylnaphthalene
Concen: 2.959 ng
RT: 12.64 min Scan# 1626
Delta R.T. -0.01 min
Lab File: BG039410.D
Acq: 8 Feb 2019 10:04

Instrument :
BNA_G
ClientSampleId :
RBR-200028

Tot Ion:142 Resp: 23206
Ion Ratio Lower Upper
142 100
141 79.4 73.5 110.3
115 34.7 30.8 46.2

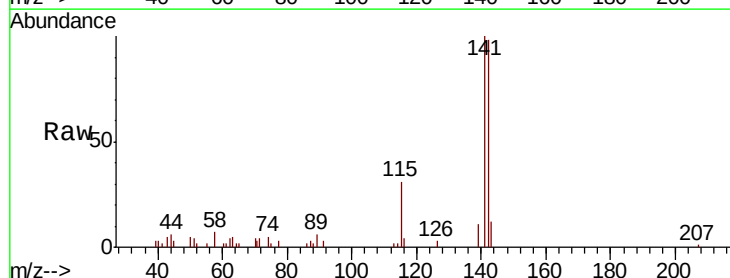


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

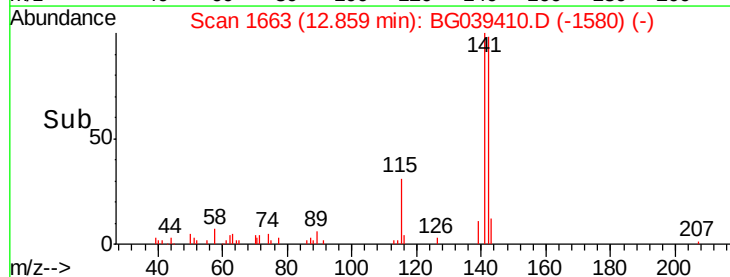
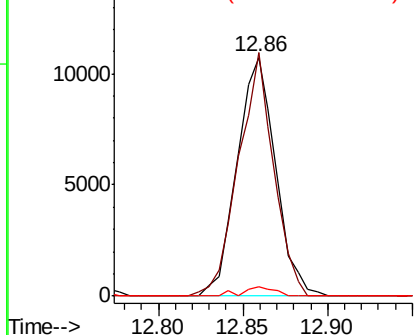


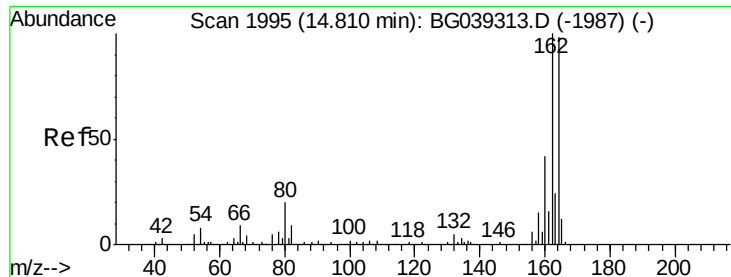
#38
1-Methylnaphthalene
Concen: 2.245 ng
RT: 12.86 min Scan# 1663
Delta R.T. -0.01 min
Lab File: BG039410.D
Acq: 8 Feb 2019 10:04

Tgt Ion:142 Resp: 16970
Ion Ratio Lower Upper
142 100
141 101.9 74.2 111.4
116 3.7 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

Instrument :

BNA_G

ClientSampleId :

RBR-200028

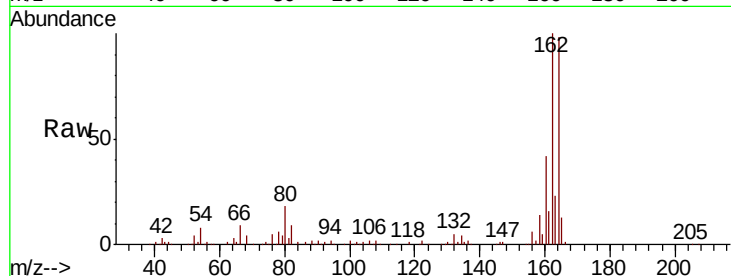
Tot Ion:164 Resp: 138773

Ion Ratio Lower Upper

164 100

162 102.6 81.6 122.4

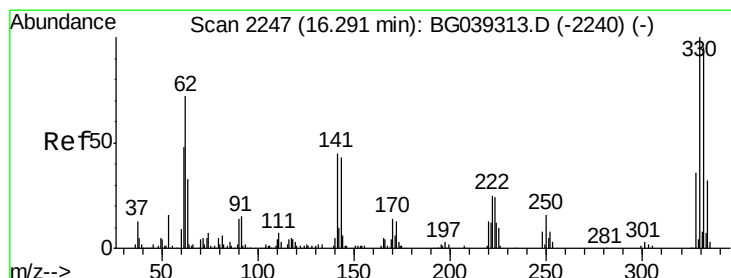
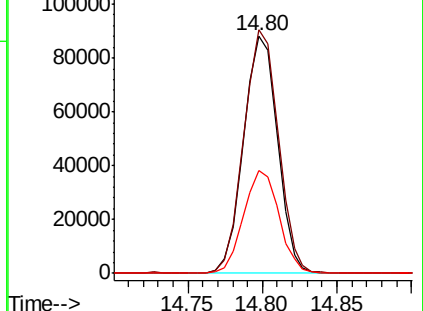
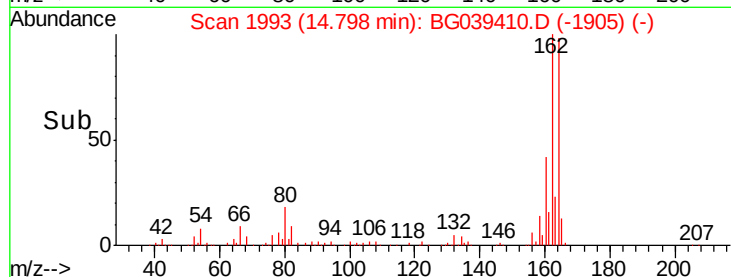
160 43.2 34.2 51.2



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: 148.039 ng

RT: 16.28 min Scan# 2246

Delta R.T. -0.01 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

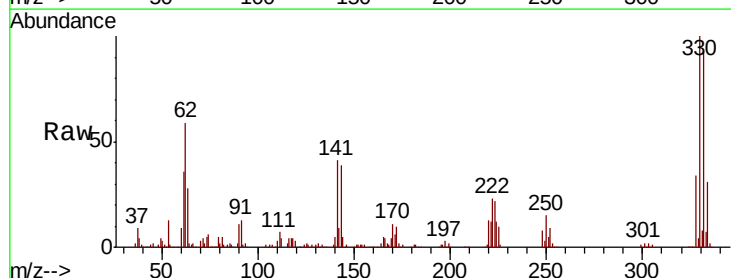
Tgt Ion:330 Resp: 221222

Ion Ratio Lower Upper

330 100

332 95.6 75.7 113.5

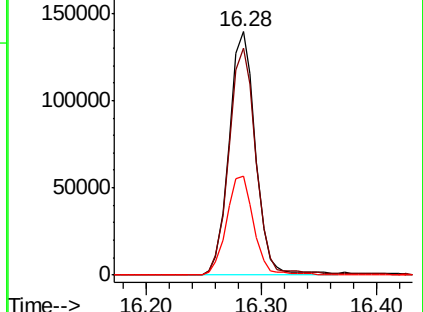
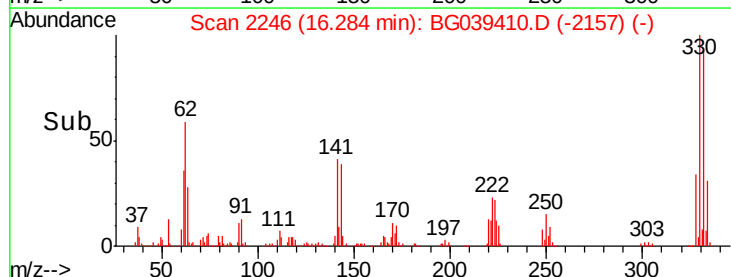
141 41.7 35.6 53.4

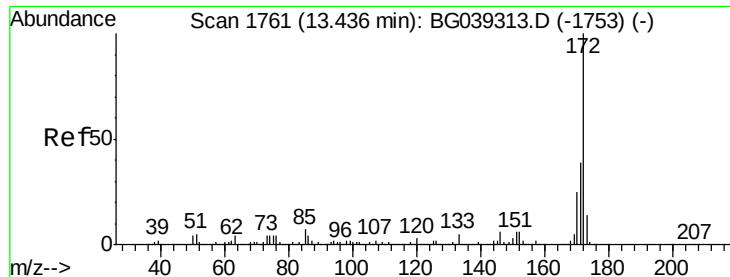


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

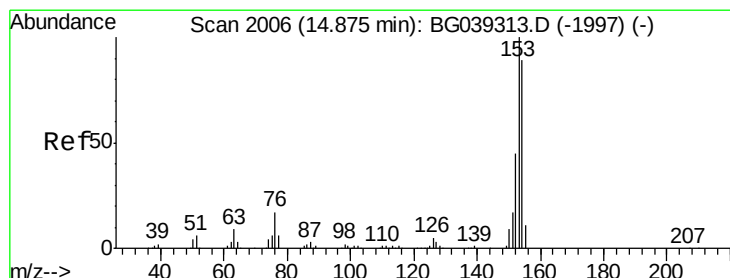
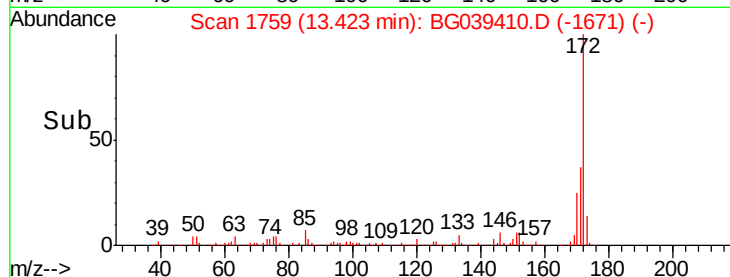
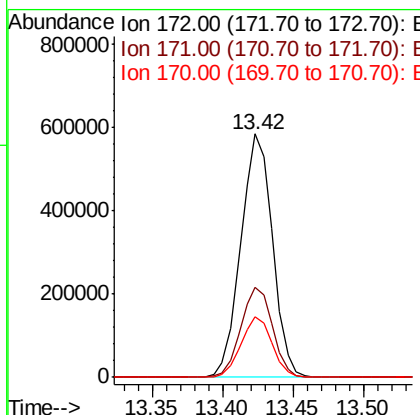
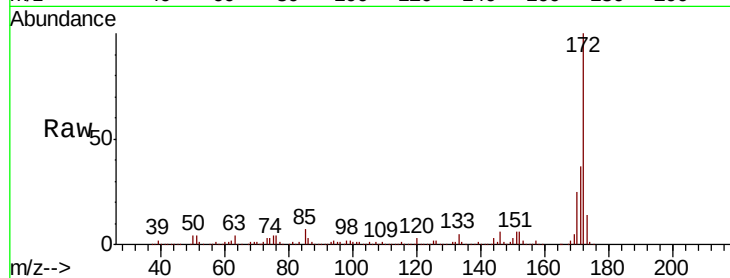




#45
 2-Fluorobiphenyl
 Concen: 94.707 ng
 RT: 13.42 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG039410.D
 Acq: 8 Feb 2019 10:04

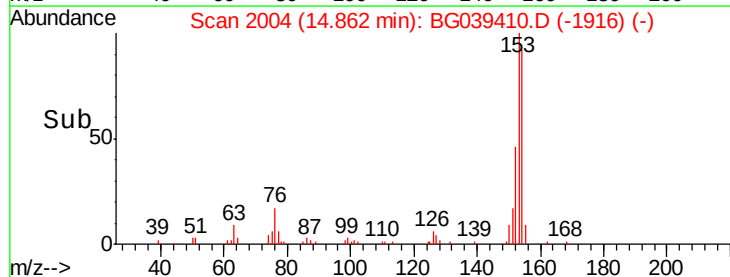
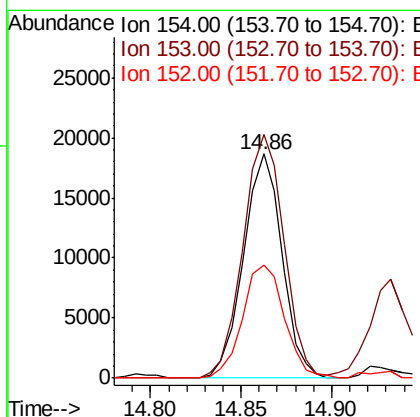
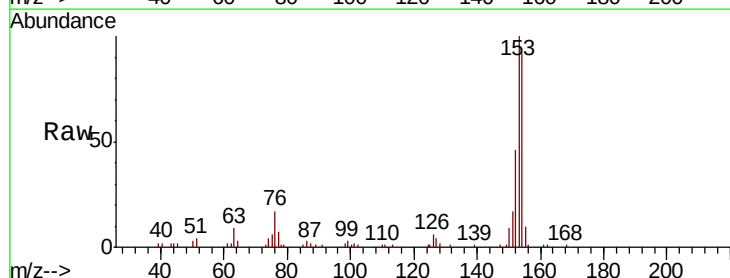
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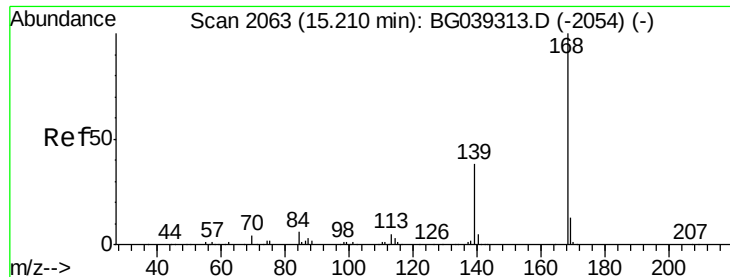
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.8	46.2
170	25.0	20.2	30.4



#52
 Acenaphthene
 Concen: 3.248 ng
 RT: 14.86 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BG039410.D
 Acq: 8 Feb 2019 10:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	108.7	90.1	135.1
152	50.3	40.9	61.3

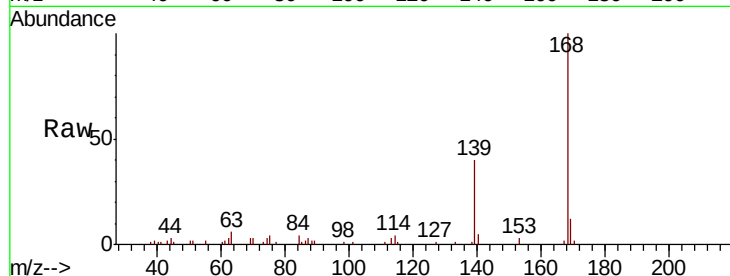




#55
Dibenzenofuran
Concen: 2.203 ng
RT: 15.20 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BG039410.D
Acq: 8 Feb 2019 10:04

Instrument :
BNA_G
ClientSampleId :
RBR-200028

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.8	30.1	45.1
169	11.6	10.6	16.0

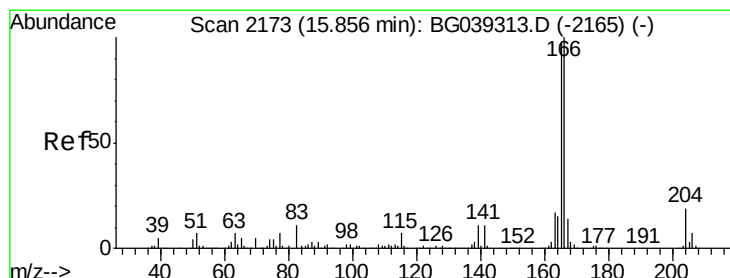
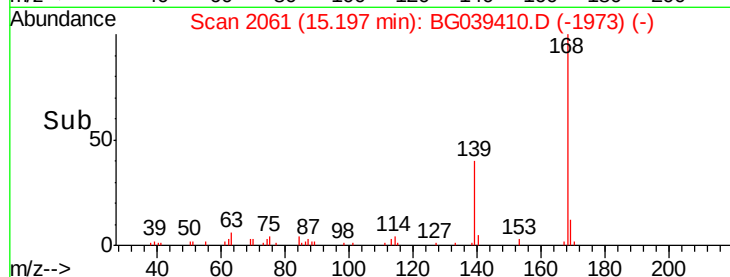
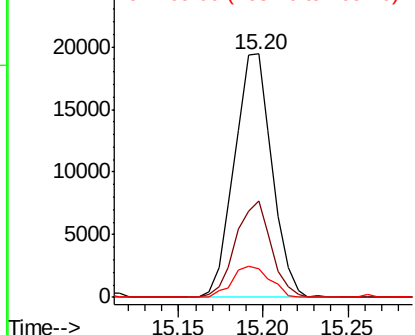


Abundance

Ion 168.00 (167.70 to 168.70): E

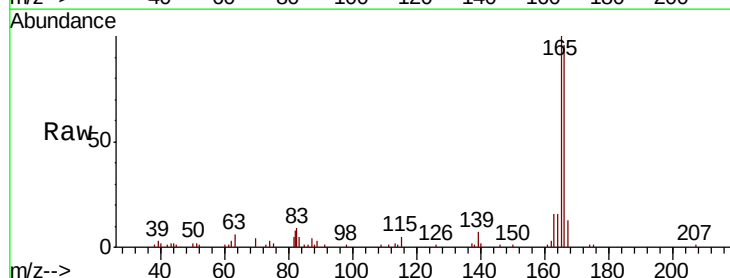
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58
Fluorene
Concen: 2.631 ng
RT: 15.84 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BG039410.D
Acq: 8 Feb 2019 10:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.0	77.9	116.9
167	14.0	10.8	16.2

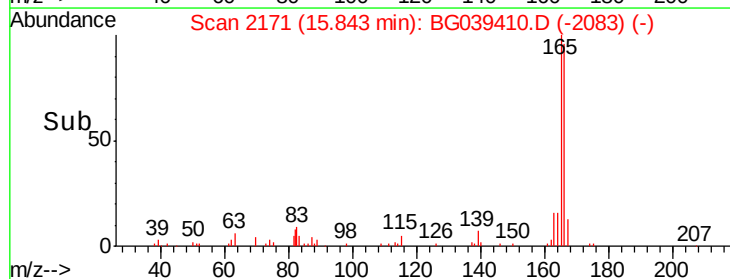
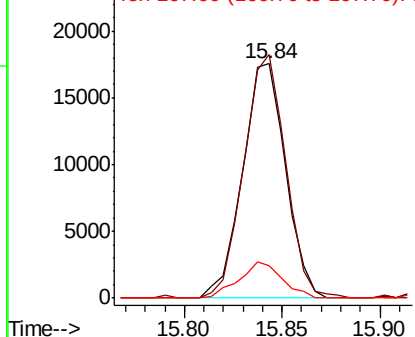


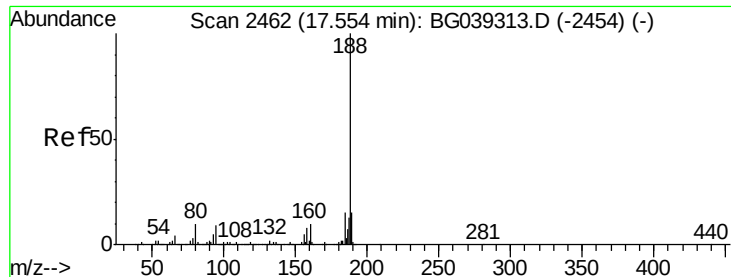
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

Instrument :

BNA_G

ClientSampleId :

RBR-200028

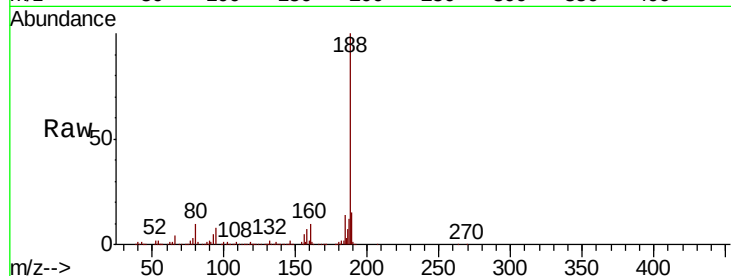
Tot Ion:188 Resp: 331561

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

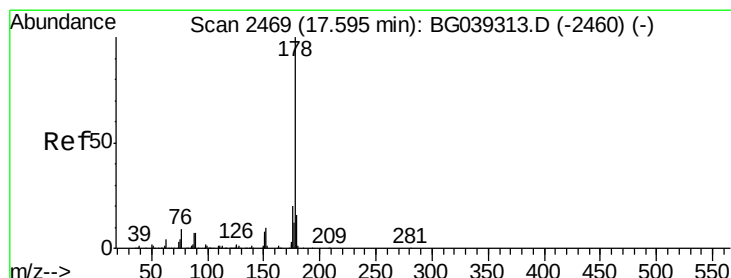
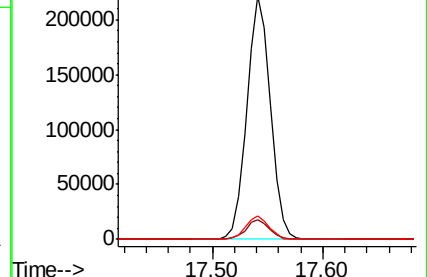
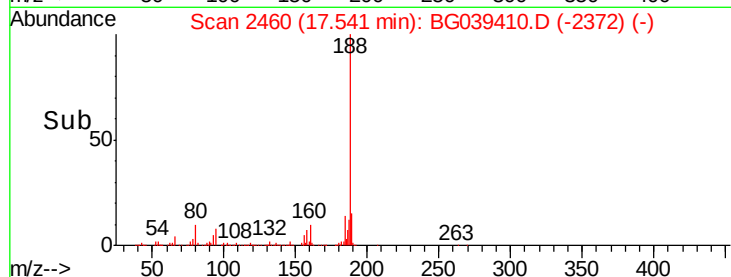
80 9.5 8.1 12.1



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



#71

Phenanthrene

Concen: 3.281 ng

RT: 17.59 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

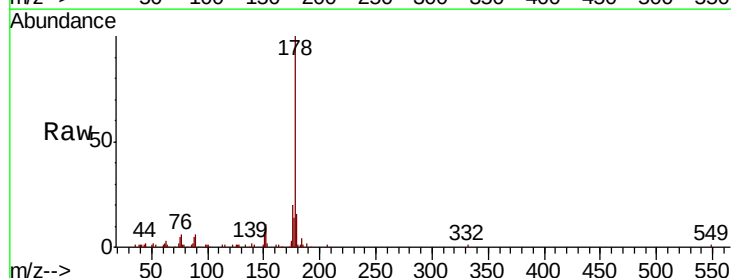
Tgt Ion:178 Resp: 56307

Ion Ratio Lower Upper

178 100

176 19.6 16.2 24.4

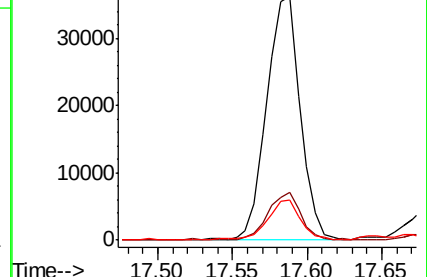
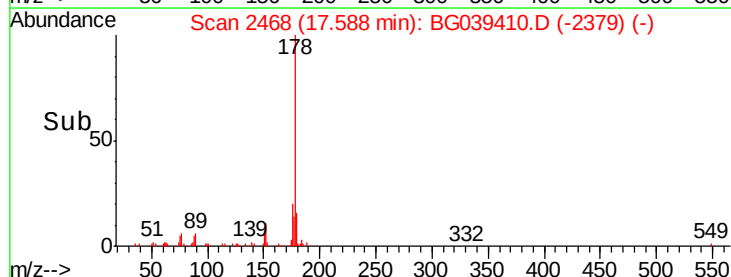
179 16.3 12.6 19.0

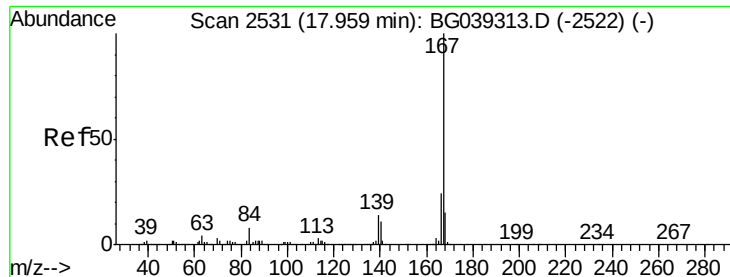


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 3.978 ng

RT: 17.94 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

Instrument :

BNA_G

ClientSampleId :

RBR-200028

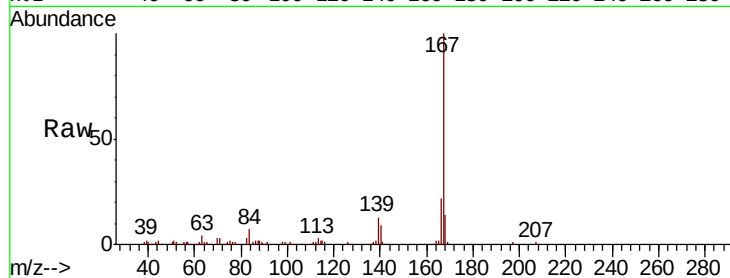
Tot Ion:167 Resp: 67110

Ion Ratio Lower Upper

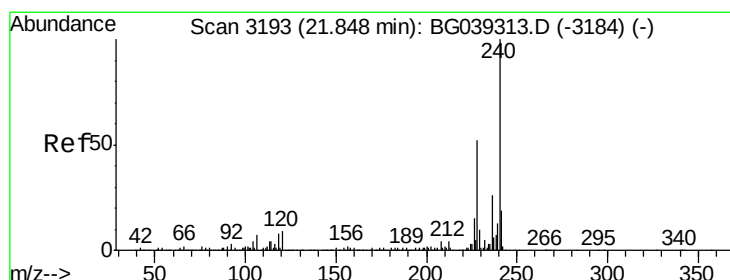
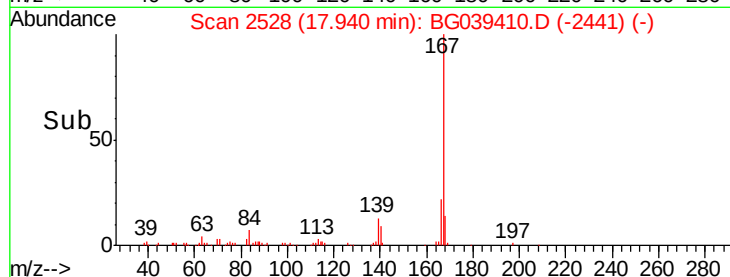
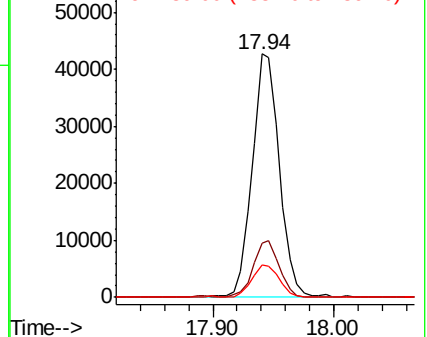
167 100

166 22.5 19.4 29.2

139 13.3 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3190

Delta R.T. -0.02 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

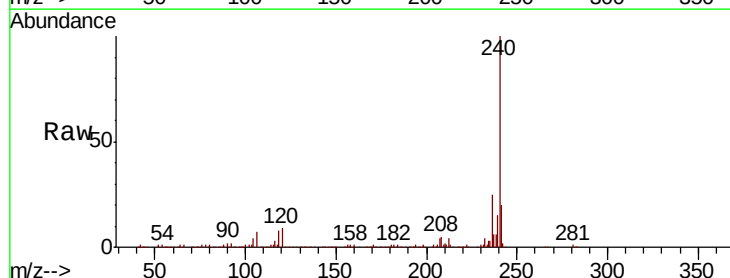
Tgt Ion:240 Resp: 367830

Ion Ratio Lower Upper

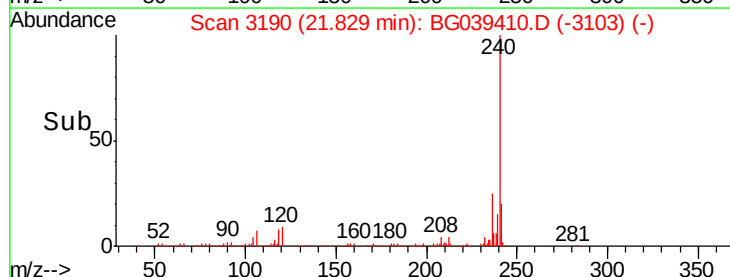
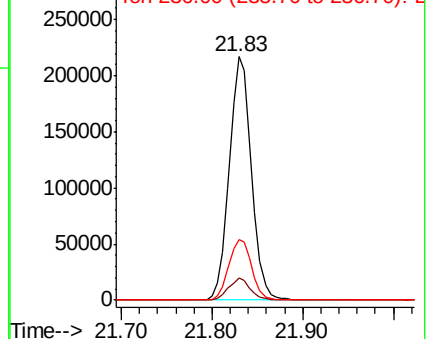
240 100

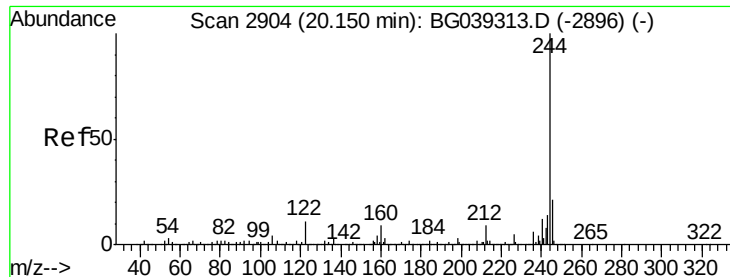
120 9.0 7.0 10.6

236 25.0 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: 89.067 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

Instrument :

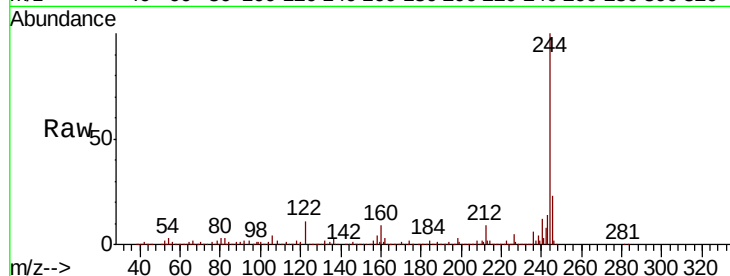
BNA_G

ClientSampleId :

RBR-200028

Tot Ion:244 Resp: 1547776

Ion	Ratio	Lower	Upper
244	100		
212	9.5	7.3	10.9
122	10.5	8.4	12.6

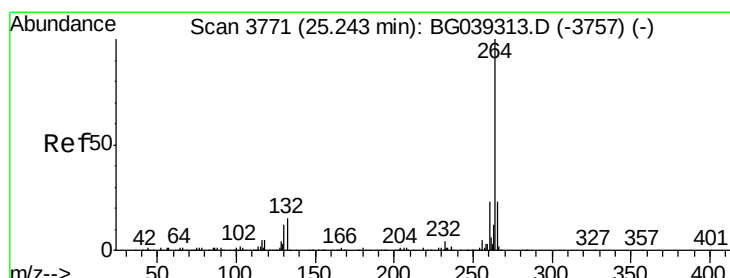
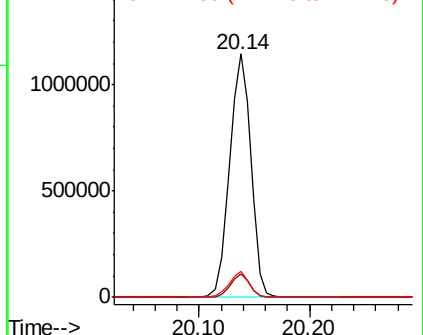
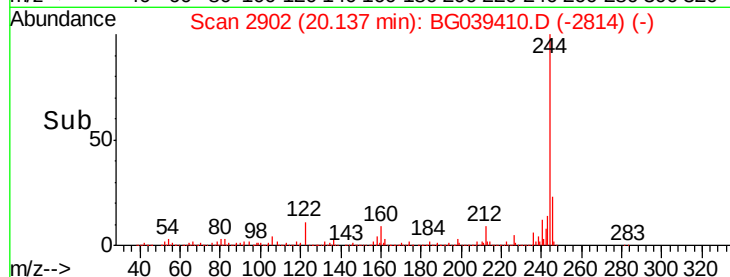


Abundance

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: 25.22 min Scan# 3767

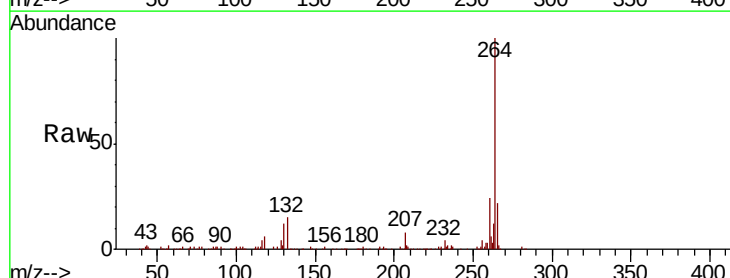
Delta R.T. -0.02 min

Lab File: BG039410.D

Acq: 8 Feb 2019 10:04

Tgt Ion:264 Resp: 349509

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.2	27.4
265	21.7	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

