

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111418\
 Data File : BG038010.D
 Acq On : 14 Nov 2018 23:34
 Operator : JU/SJ
 Sample : J5889-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BOTTOM-B

Manual Integrations
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 11/15/2018 11:05:22 AM

Quant Time: Nov 15 03:08:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 13 16:39:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	58024	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	227453	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	134958	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	252386	20.00	ng	0.00
76) Chrysene-d12	21.75	240	271482	20.00	ng	0.00
87) Perylene-d12	25.06	264	300000	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	334773	99.62	ng	0.00
7) Phenol-d6	7.23	99	453385	94.51	ng	0.00
23) Nitrobenzene-d5	9.27	82	306212	72.07	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	134963	87.69	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	600999	64.88	ng	0.00
79) Terphenyl-d14	20.07	244	757258	65.63	ng	0.00
Target Compounds						
10) Phenol	7.26	94	24066	4.736	ng	92
31) Naphthalene	10.96	128	441304	39.447	ng	# 95
37) 2-Methylnaphthalene	12.57	142	1182840	147.195	ng	96
38) 1-Methylnaphthalene	12.78	142	1010108m	130.588	ng	
46) 1,1'-Biphenyl	13.56	154	148343	13.084	ng	96
50) Dimethylphthalate	14.17	163	89574	8.372	ng	# 93
52) Acenaphthene	14.79	154	90434	11.546	ng	# 83
58) Fluorene	15.78	166	172946	17.897	ng	# 91
71) Phenanthrene	17.52	178	611952	47.358	ng	# 96
78) Pyrene	19.88	202	116517	6.564	ng	# 75

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

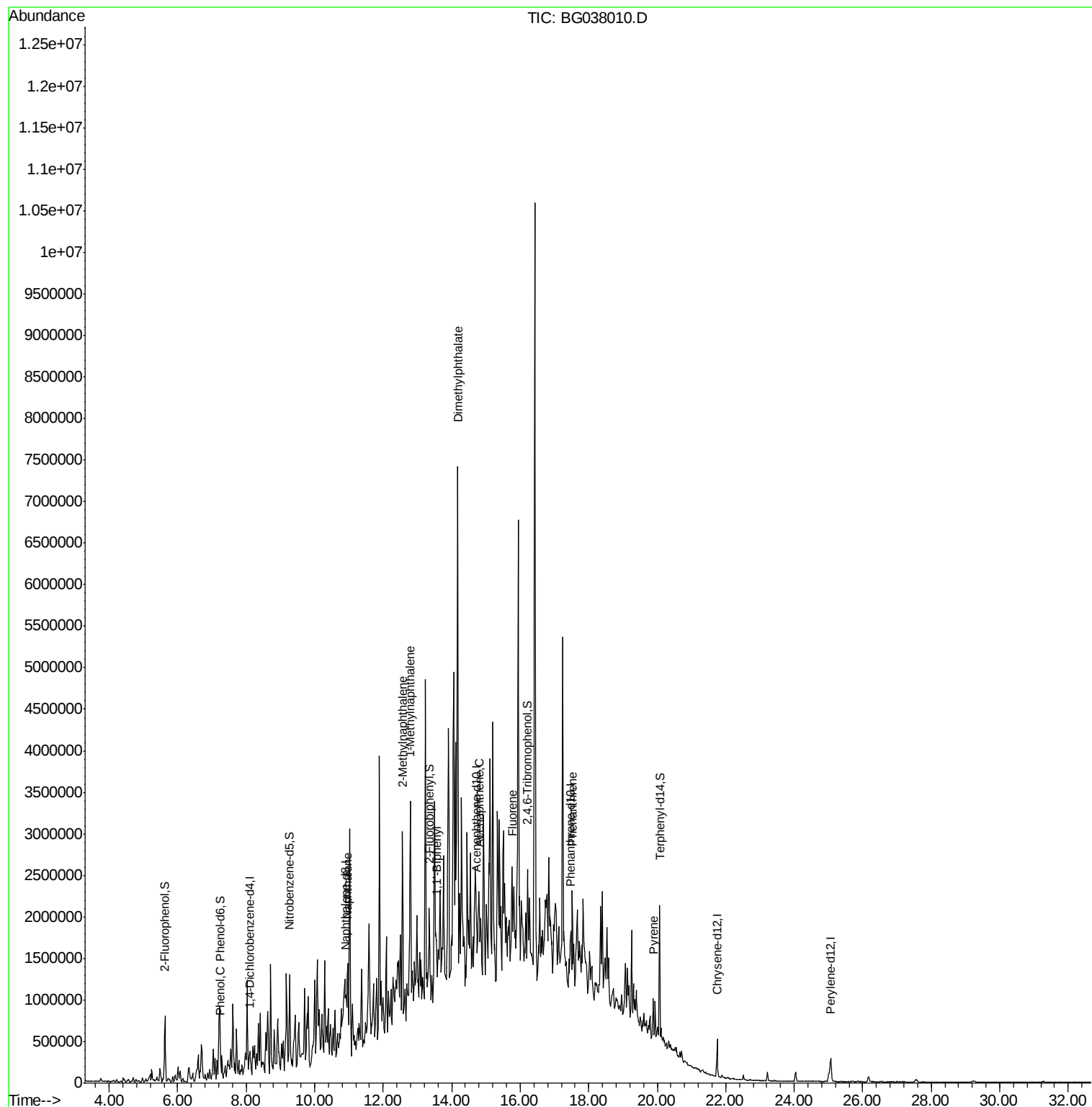
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111418\
Data File : BG038010.D
Acq On : 14 Nov 2018 23:34
Operator : JU/SJ
Sample : J5889-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

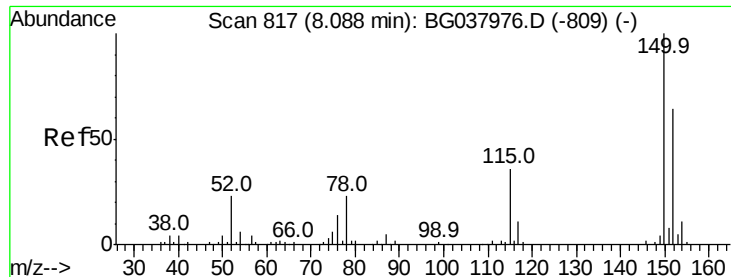
Instrument :
BNA_G
ClientSampleId :
BOTTOM-B

Quant Time: Nov 15 03:08:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

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#1

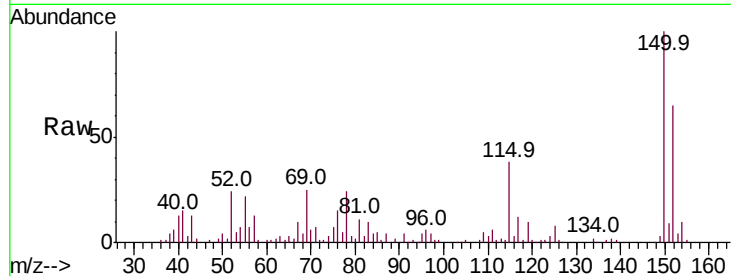
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 816
Delta R.T. -0.00 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Instrument :
BNA_G
ClientSampleId :
BOTTOM-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.0	189.0
115	58.7	45.5	68.3

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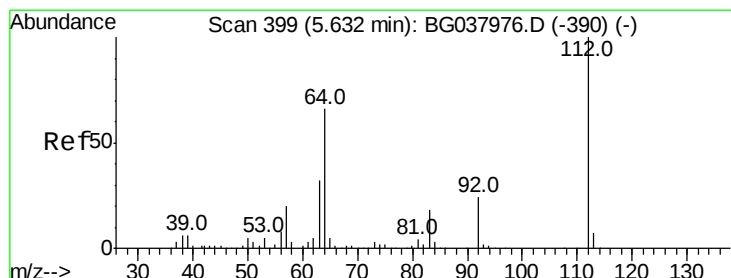
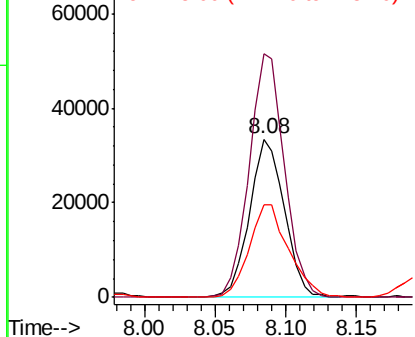
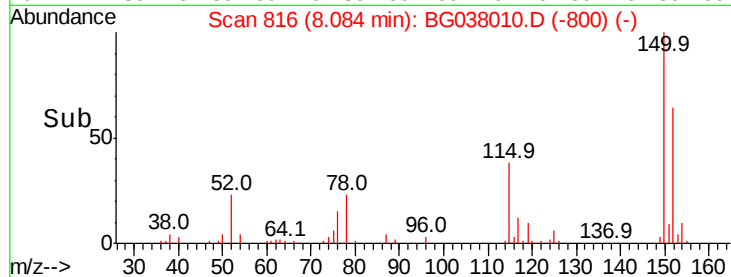


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

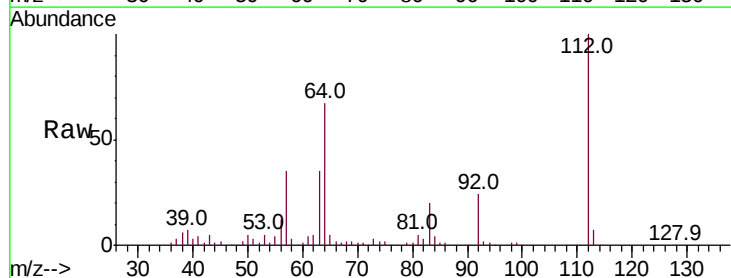
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.615 ng
RT: 5.63 min Scan# 398
Delta R.T. -0.00 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	35.4	27.3	40.9

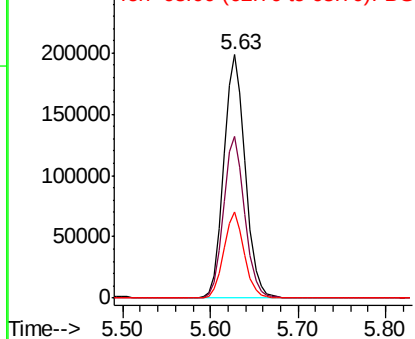
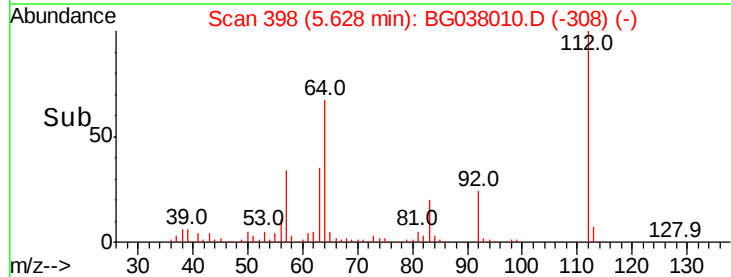


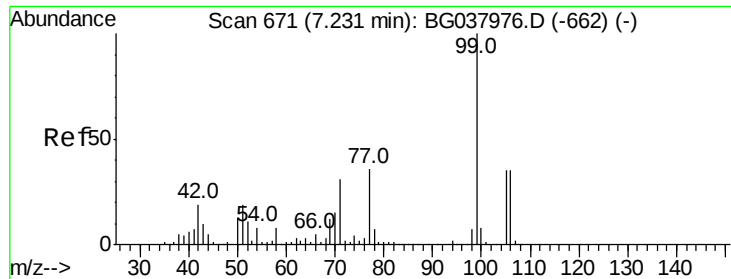
Abundance

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: 94.511 ng

RT: 7.23 min Scan# 671

Delta R.T. 0.00 min

Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Instrument :

BNA_G

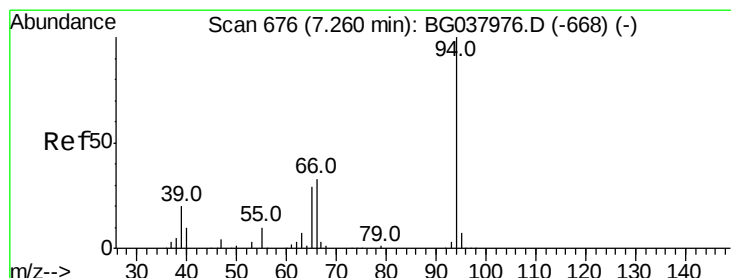
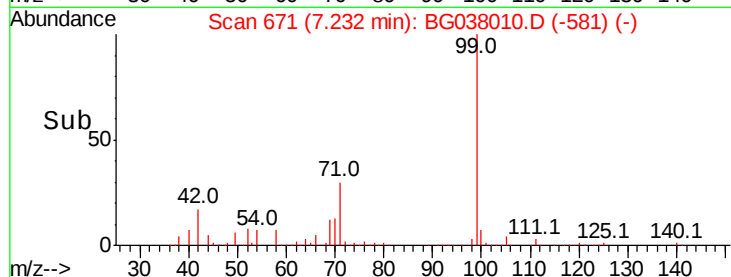
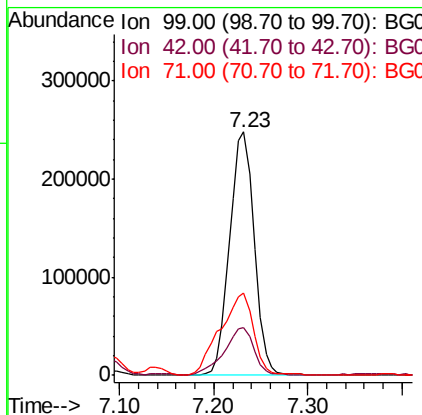
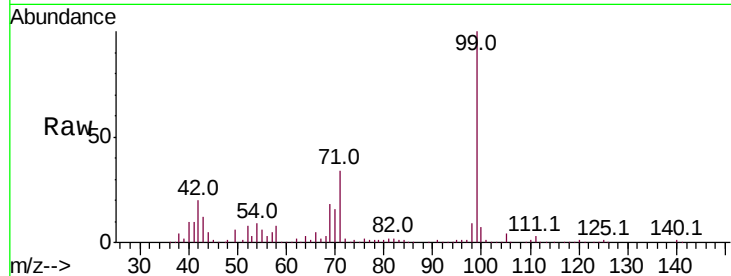
ClientSampleId :

BOTTOM-B

Tot Ion:	99	Resp:	453385
Ion Ratio	Lower	Upper	
99	100		
42	19.8	15.0	22.4
71	34.0	25.5	38.3

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#10

Phenol

Concen: 4.736 ng

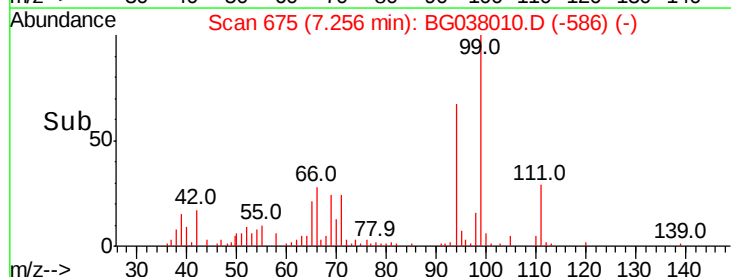
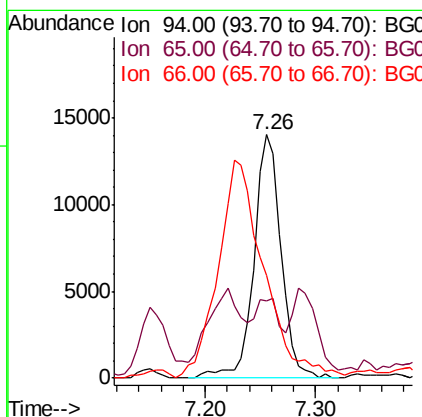
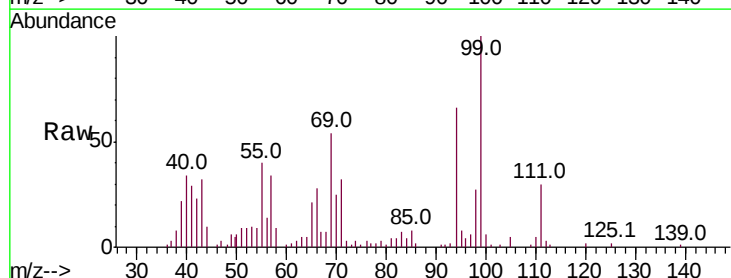
RT: 7.26 min Scan# 675

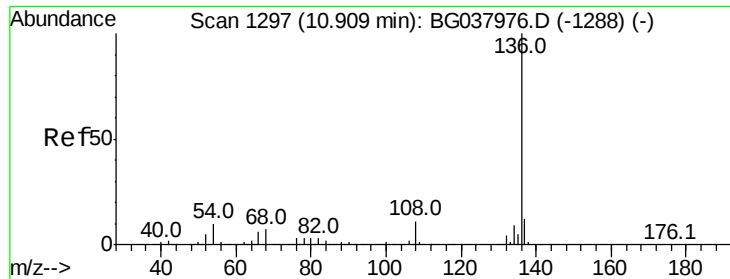
Delta R.T. -0.00 min

Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Tgt Ion:	94	Resp:	24066
Ion Ratio	Lower	Upper	
94	100		
65	31.9	9.7	49.7
66	42.2	15.9	55.9





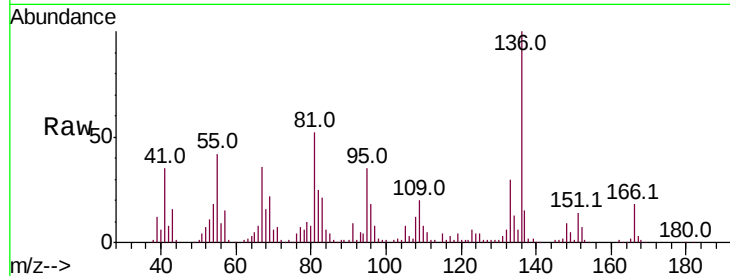
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.91 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Instrument :
BNA_G
ClientSampled :
BOTTOM-B

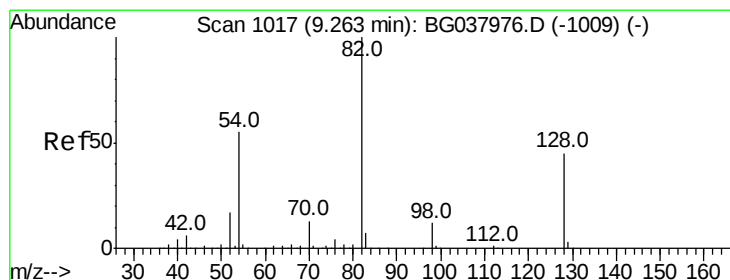
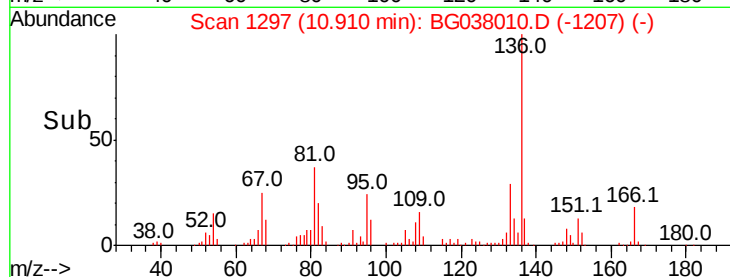
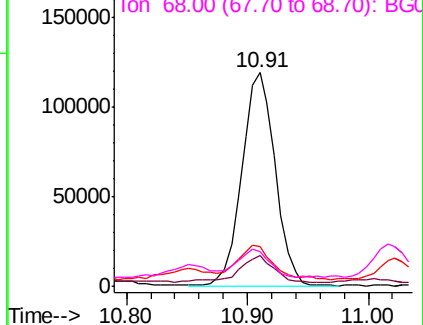
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	14.5	9.6	14.4#	
54	18.3	7.9	11.9#	
68	16.2	4.8	7.2#	

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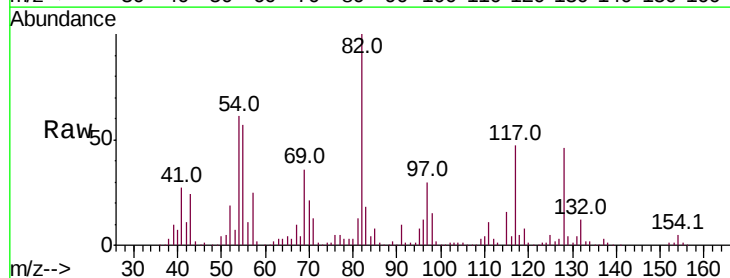


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

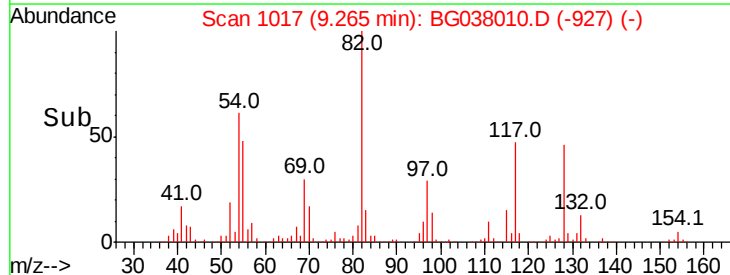
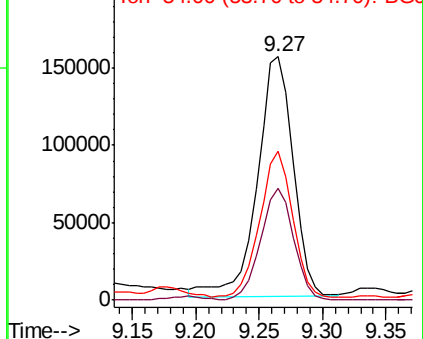


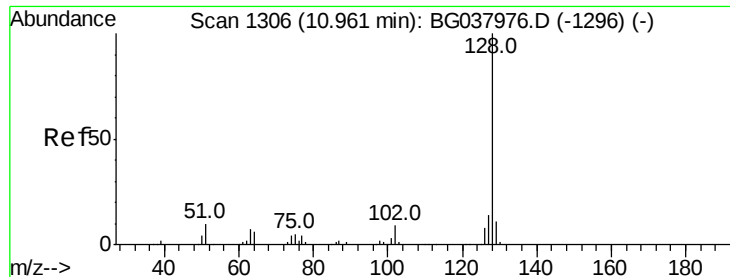
#23
Nitrobenzene-d5
Concen: 72.066 ng
RT: 9.27 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.7	34.6	51.8	
54	61.3	45.3	67.9	



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





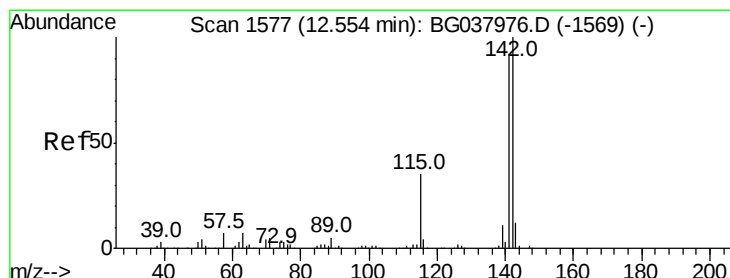
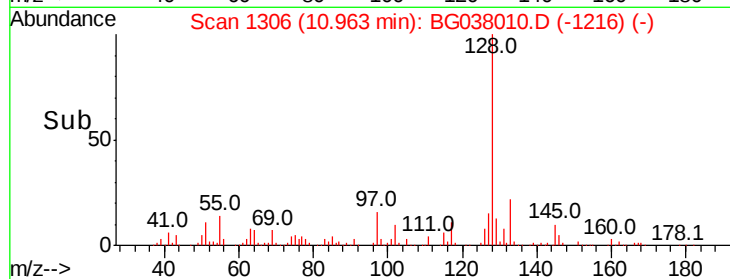
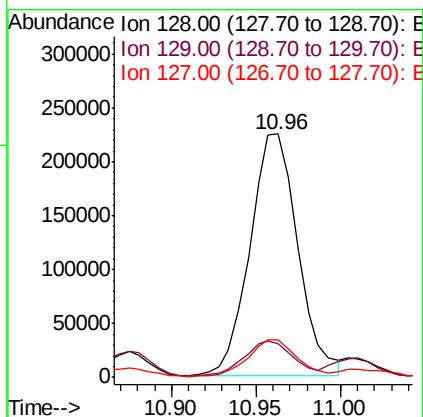
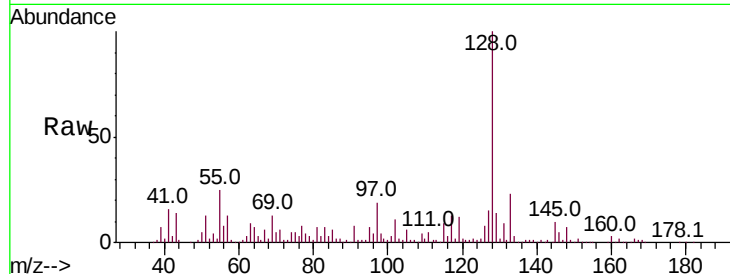
#31
Naphthalene
Concen: 39.447 ng
RT: 10.96 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Instrument :
BNA_G
ClientSampleId :
BOTTOM-B

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.7	9.0	13.6#
127	15.2	11.1	16.7

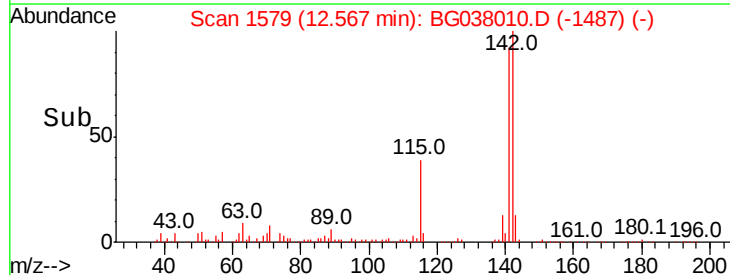
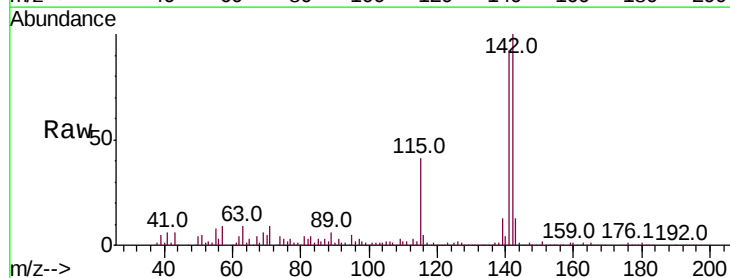
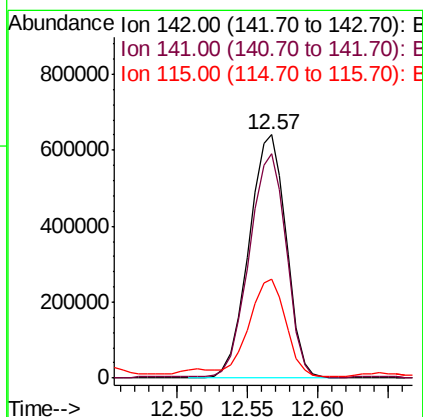
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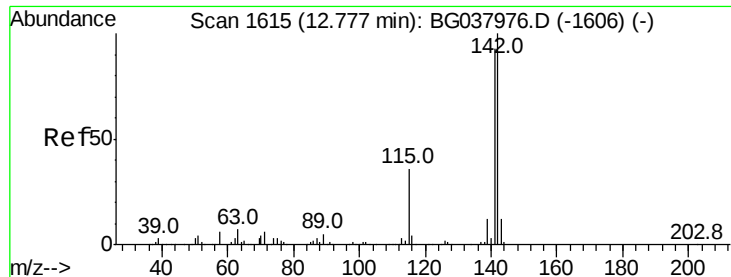
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#37
2-Methylnaphthalene
Concen: 147.195 ng
RT: 12.57 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	71.9	107.9
115	40.6	27.8	41.8





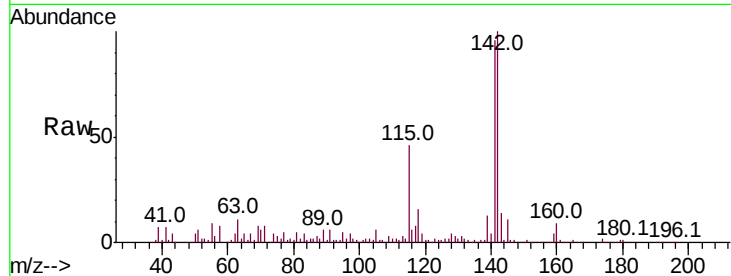
#38
1-Methylnaphthalene
Concen: 130.588 ng
RT: 12.78 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Instrument :
BNA_G
ClientSampleId :
BOTTOM-B

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.4	75.2	112.8
116	6.3	3.3	4.9

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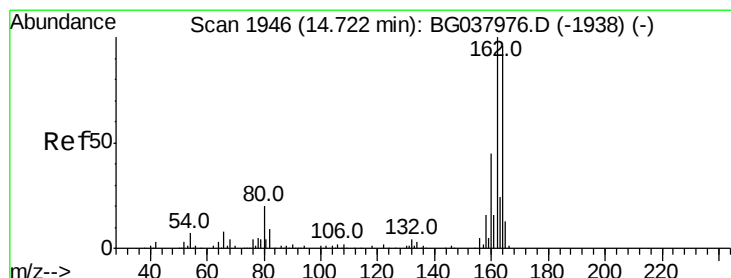
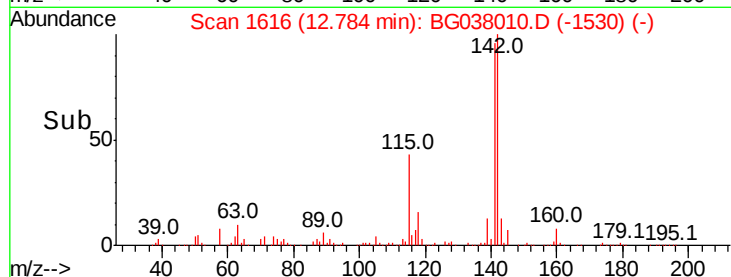
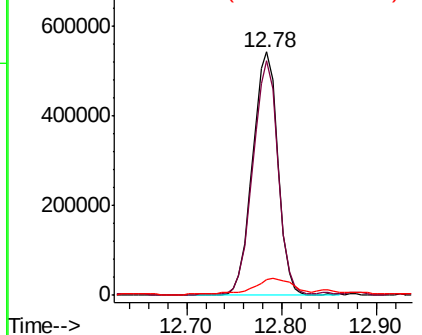


Abundance

Ion 142.00 (141.70 to 142.70): E

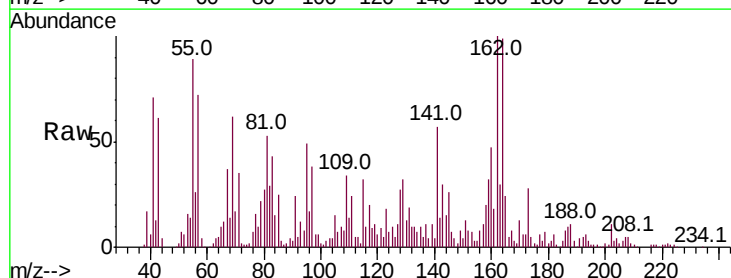
Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1947
Delta R.T. 0.01 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.3	121.9
160	48.0	36.3	54.5

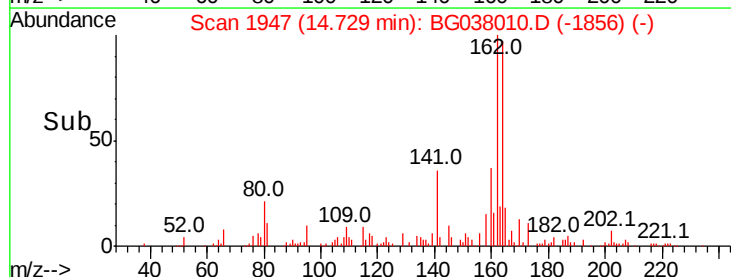
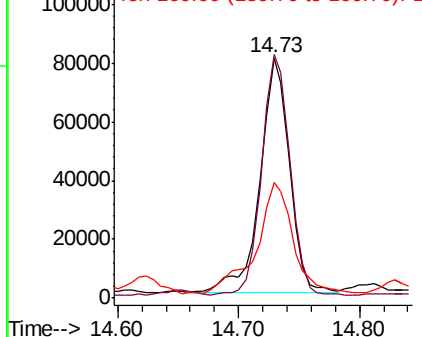


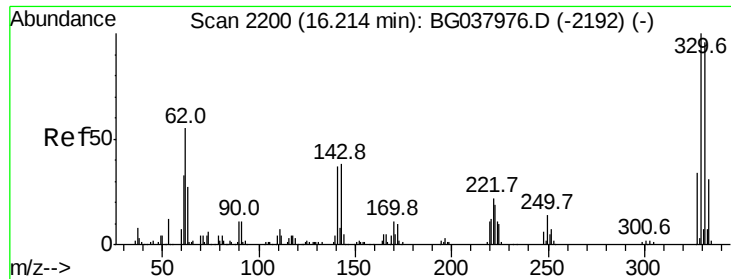
Abundance

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





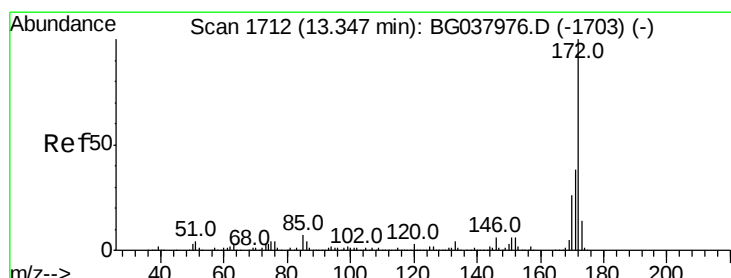
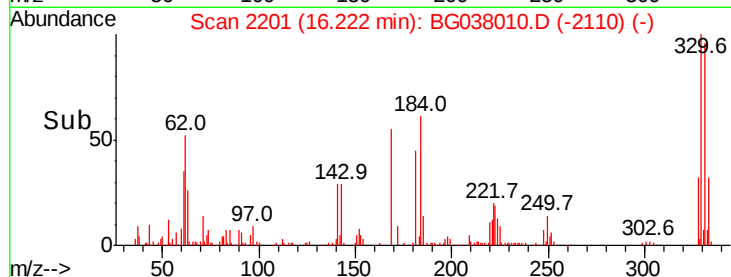
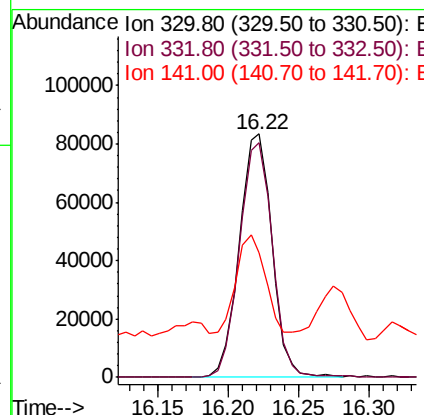
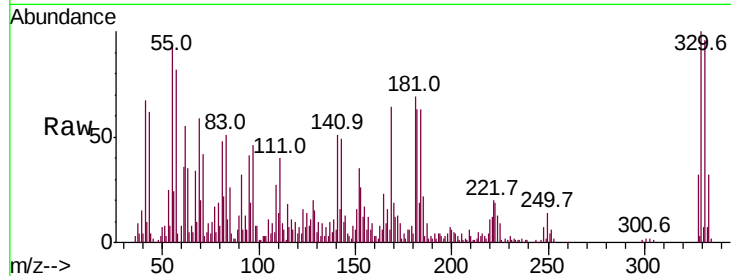
#42
 2,4,6-Tribromophenol
 Concen: 87.686 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.01 min
 Lab File: BG038010.D
 Acq: 14 Nov 2018 23:34

Instrument :
 BNA_G
 ClientSampled :
 BOTTOM-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.4	117.6
141	39.6	32.2	48.2

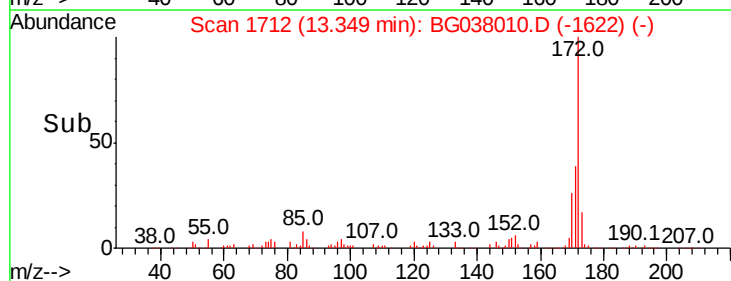
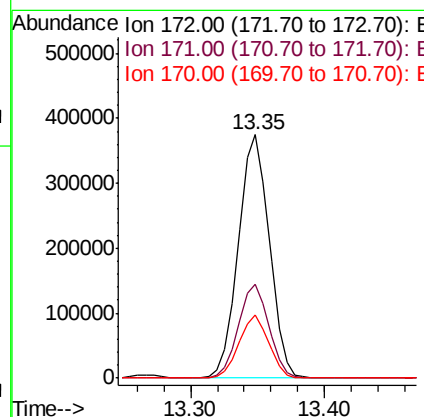
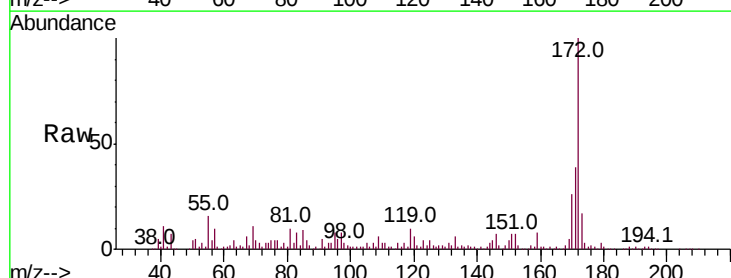
Manual Integrations
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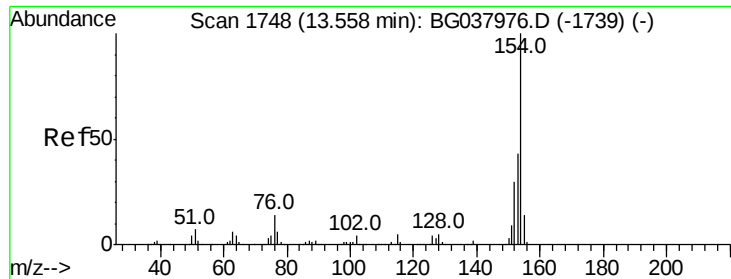
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#45
 2-Fluorobiphenyl
 Concen: 64.877 ng
 RT: 13.35 min Scan# 1712
 Delta R.T. 0.00 min
 Lab File: BG038010.D
 Acq: 14 Nov 2018 23:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.0	46.4
170	25.9	20.2	30.2





#46

1,1'-Biphenyl

Concen: 13.084 ng

RT: 13.56 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Instrument :

BNA_G

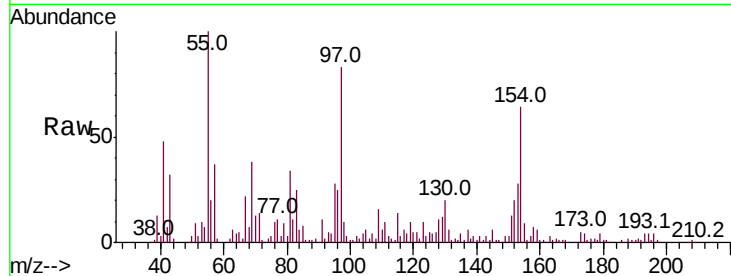
ClientSampleId :

BOTTOM-B

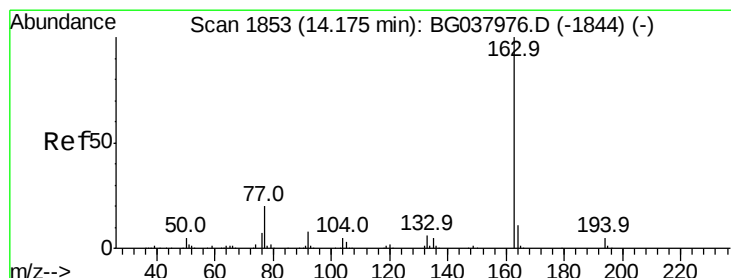
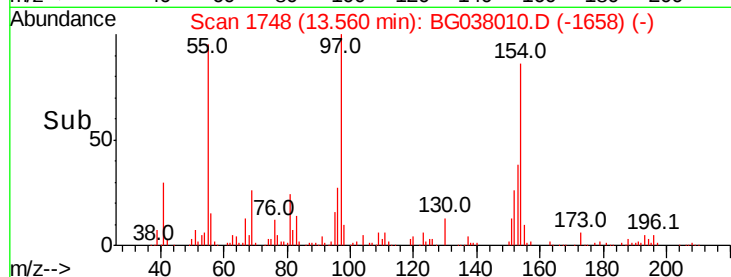
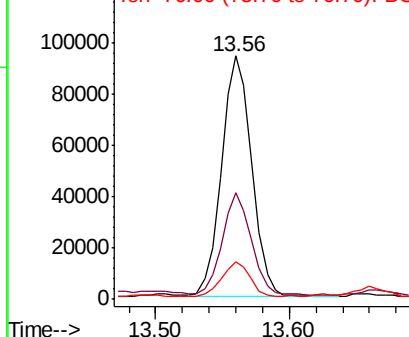
Tot Ion:	154	Resp:	148343
Ion Ratio	Lower	Upper	
154	100		
153	43.9	22.1	62.1
76	15.5	0.0	33.2

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BGC



#50

Dimethylphthalate

Concen: 8.372 ng

RT: 14.17 min Scan# 1852

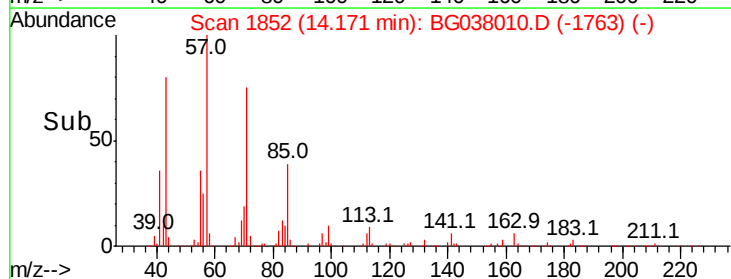
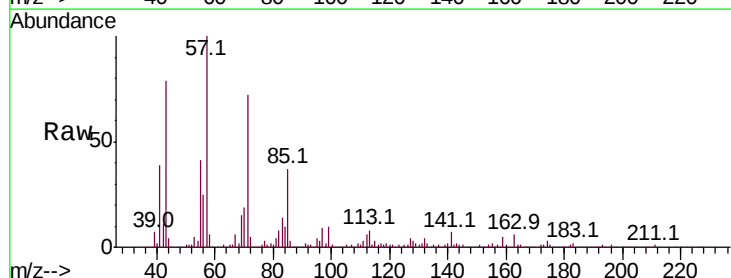
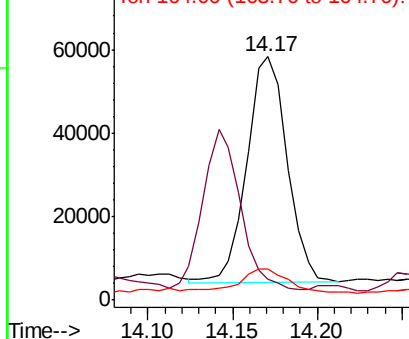
Delta R.T. -0.00 min

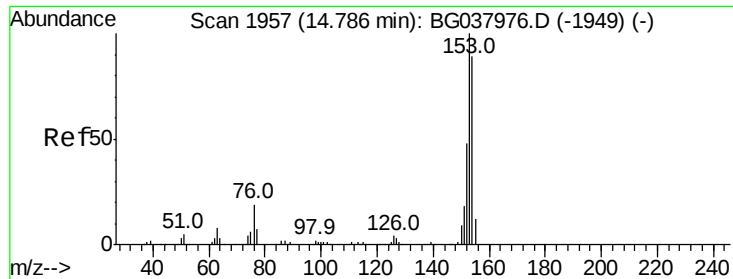
Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Tgt Ion:	163	Resp:	89574
Ion Ratio	Lower	Upper	
163	100		
194	8.4	3.5	5.3#
164	12.6	8.5	12.7

Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 11.546 ng

RT: 14.79 min Scan# 1958

Delta R.T. 0.01 min

Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Instrument :

BNA_G

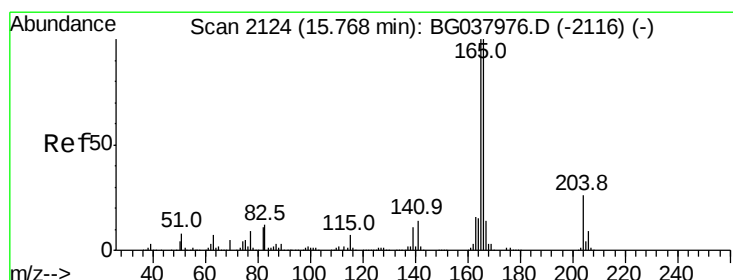
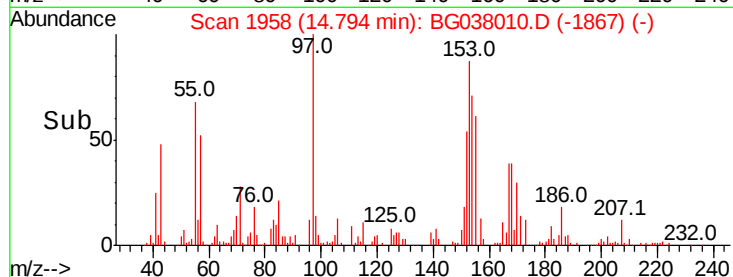
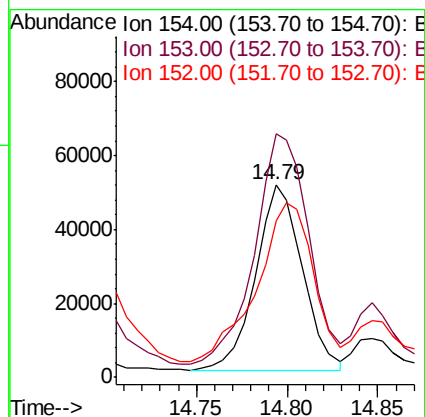
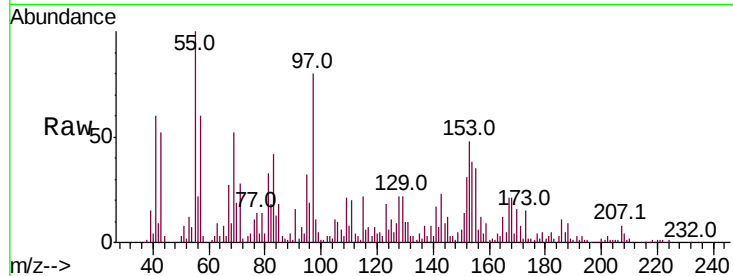
ClientSampled :

BOTTOM-B

Tot Ion:154 Resp: 90434
 Ion Ratio Lower Upper
 154 100
 153 126.4 93.4 140.0
 152 81.4 44.7 67.1#

Manual Integrations
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 11/15/2018 11:05:22 AM



#58

Fluorene

Concen: 17.897 ng

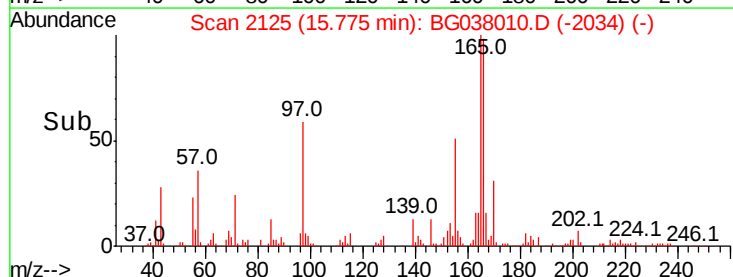
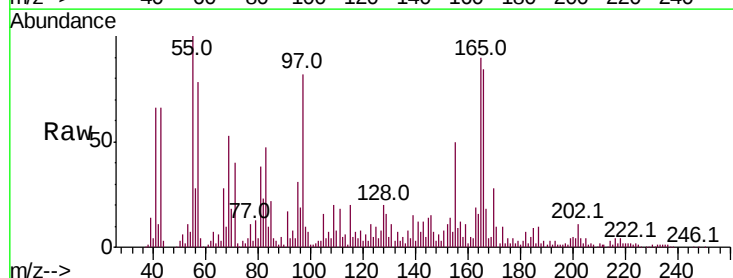
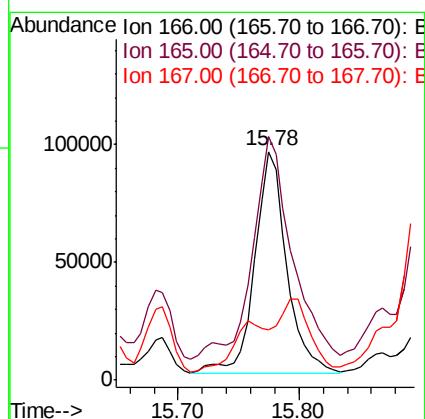
RT: 15.78 min Scan# 2125

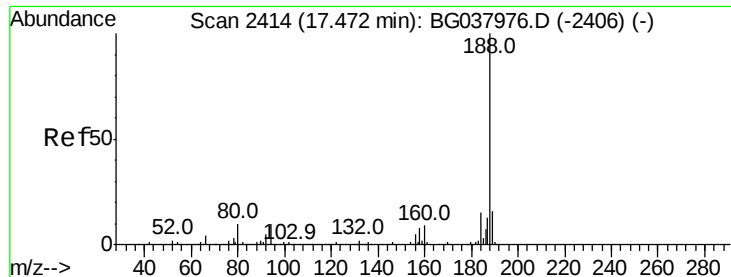
Delta R.T. 0.01 min

Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Tgt Ion:166 Resp: 172946
 Ion Ratio Lower Upper
 166 100
 165 106.6 79.0 118.6
 167 21.9 11.3 16.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2415

Delta R.T. 0.01 min

Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Instrument :

BNA_G

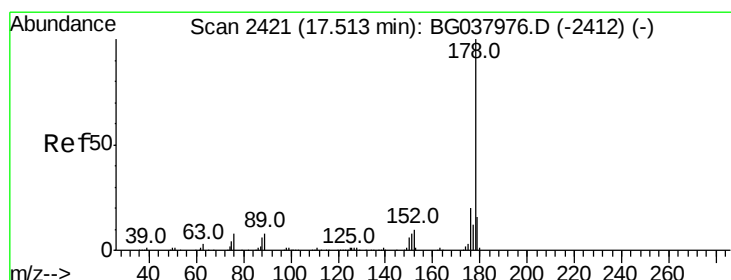
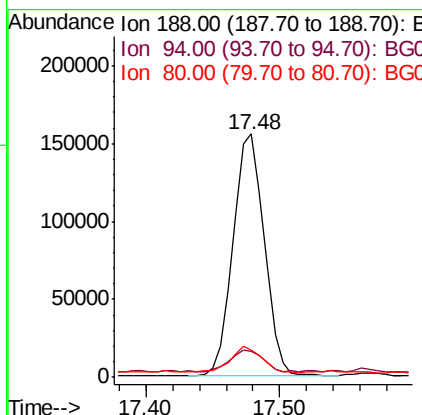
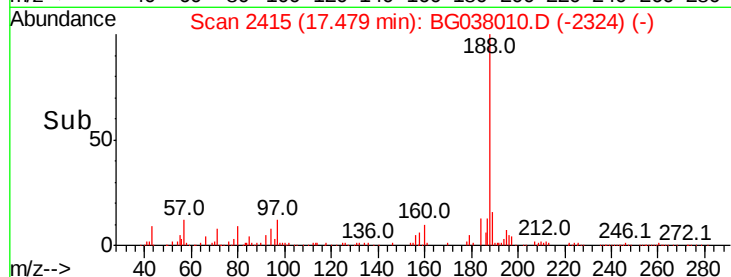
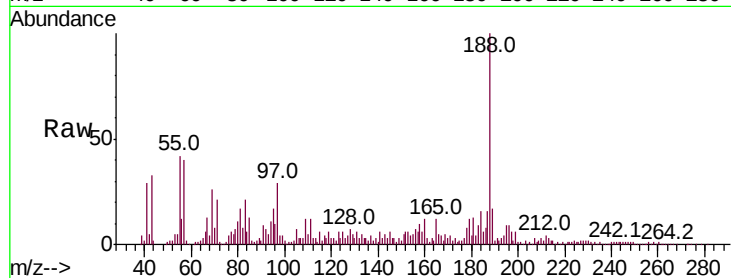
ClientSampleId :

BOTTOM-B

Tot Ion:	188	Resp:	252386
Ion Ratio	Lower	Upper	
188	100		
94	10.7	7.2	10.8
80	11.4	7.7	11.5

Manual Integrations
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#71

Phenanthrene

Concen: 47.358 ng

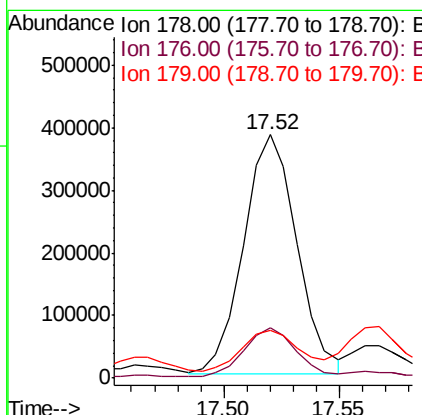
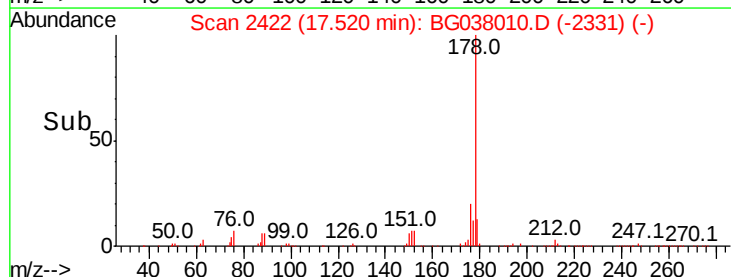
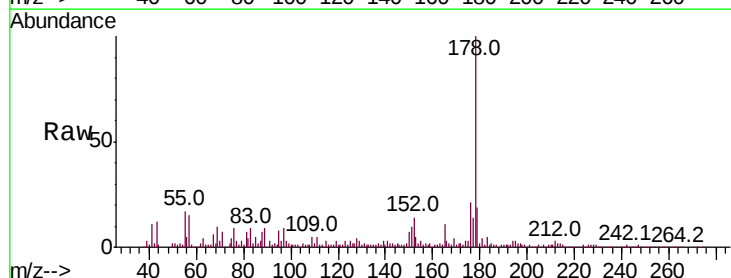
RT: 17.52 min Scan# 2422

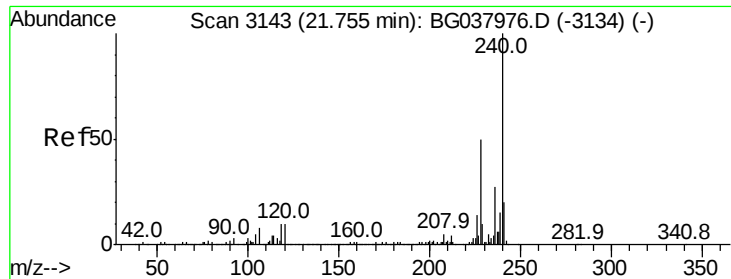
Delta R.T. 0.01 min

Lab File: BG038010.D

Acq: 14 Nov 2018 23:34

Tgt Ion:	178	Resp:	611952
Ion Ratio	Lower	Upper	
178	100		
176	20.7	16.1	24.1
179	19.4	13.0	19.4#





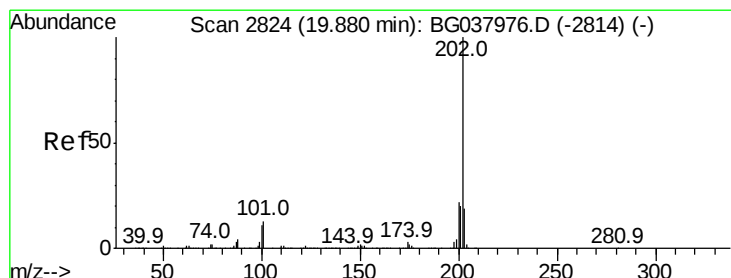
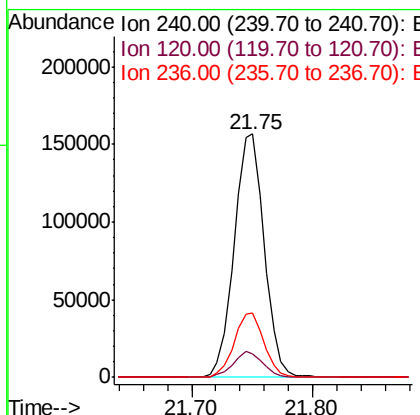
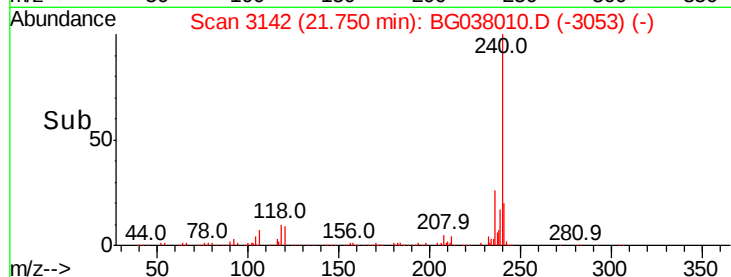
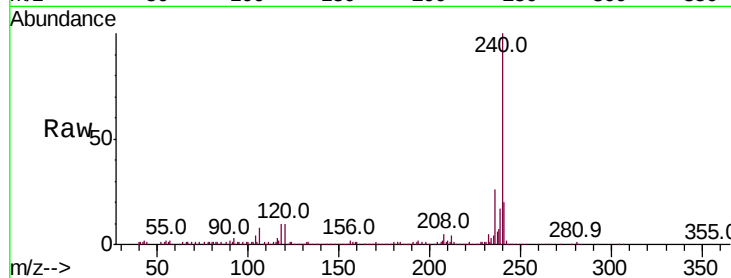
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Instrument :
BNA_G
ClientSampleId :
BOTTOM-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.1	12.1
236	26.2	21.4	32.0

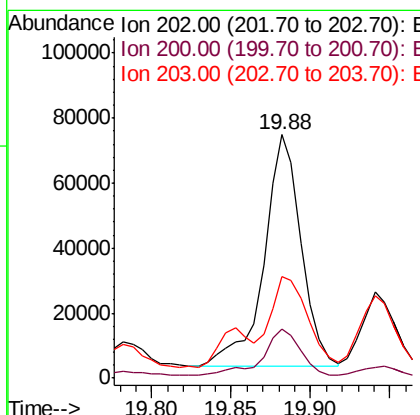
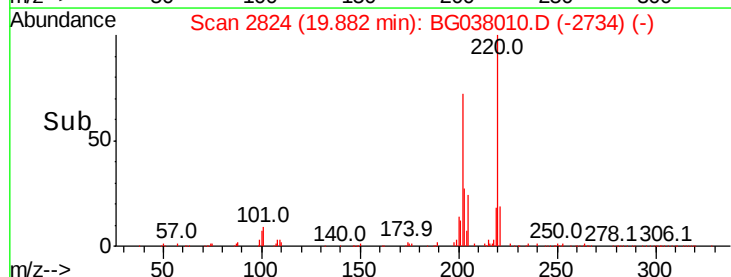
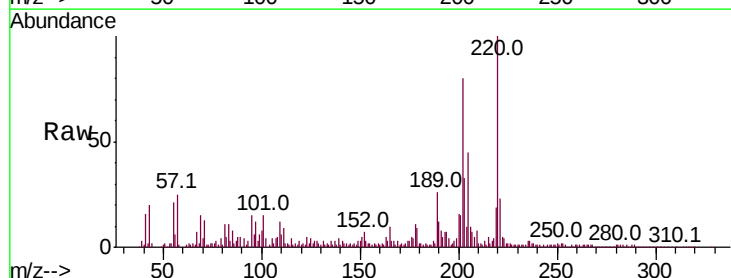
Manual Integrations
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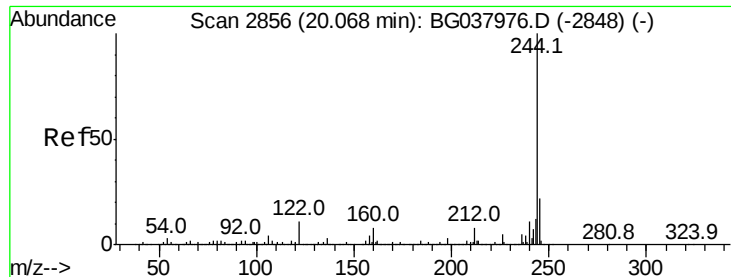
Sohil
11/15/2018 11:05:22 AM



#78
Pyrene
Concen: 6.564 ng
RT: 19.88 min Scan# 2824
Delta R.T. 0.00 min
Lab File: BG038010.D
Acq: 14 Nov 2018 23:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.8	26.6
203	41.7	15.2	22.8#





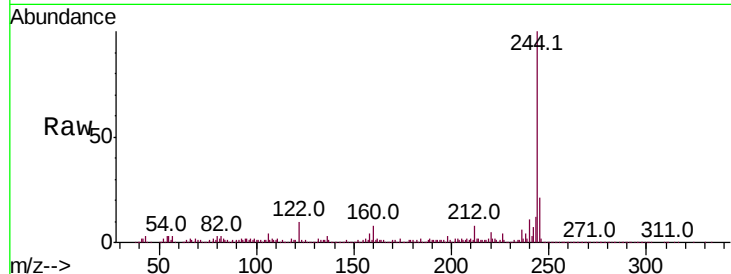
#79
 Terphenyl-d14
 Concen: 65.634 ng
 RT: 20.07 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BG038010.D
 Acq: 14 Nov 2018 23:34

Instrument :
 BNA_G
 ClientSampled :
 BOTTOM-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.5	9.7
122	10.1	9.0	13.4

Manual Integrations
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Sohil
 11/15/2018 11:05:22 AM

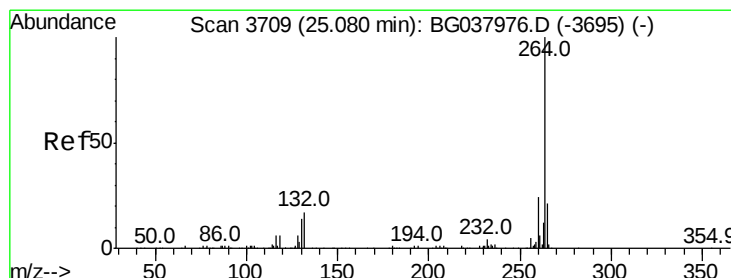
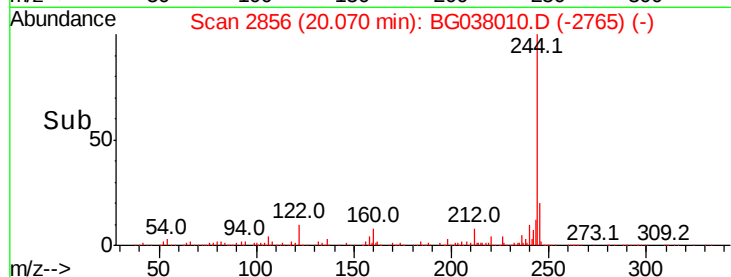
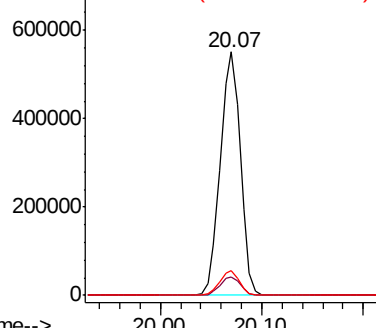


Abundance

Ion 244.00 (243.70 to 244.70): E

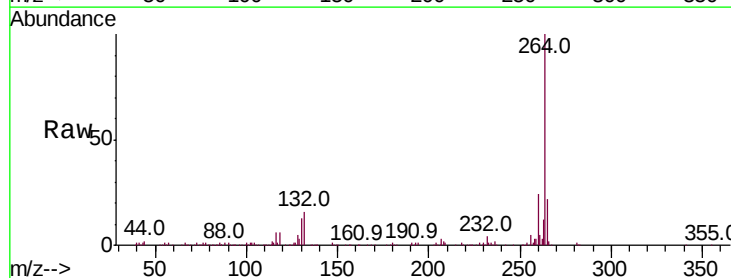
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.06 min Scan# 3706
 Delta R.T. -0.02 min
 Lab File: BG038010.D
 Acq: 14 Nov 2018 23:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.4
265	22.4	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

