

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
 Data File : BG041173.D
 Acq On : 10 Jun 2019 21:26
 Operator : HP/JU
 Sample : K3214-03RE
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-4ARE

Manual Integrations
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 6/14/2019 8:40:04 AM

Quant Time: Jun 11 05:28:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 23:08:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	50137	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	191228	20.00	ng	0.02
39) Acenaphthene-d10	14.74	164	140668	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	329709	20.00	ng	0.00
76) Chrysene-d12	21.76	240	332689	20.00	ng	0.00
87) Perylene-d12	25.09	264	339681	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	203855	73.32	ng	0.02
7) Phenol-d6	7.26	99	190537	44.37	ng	0.01
23) Nitrobenzene-d5	9.29	82	415037	96.35	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	302573	144.89	ng	0.00
45) 2-Fluorobiphenyl	13.37	172	940082	96.24	ng	0.00
79) Terphenyl-d14	20.08	244	1525841	97.34	ng	0.00
Target Compounds						
27) 2,4-Dimethylphenol	10.14	122	278957m	93.334	ng	Qvalue
31) Naphthalene	11.02	128	6551387	638.088	ng	# 48
37) 2-Methylnaphthalene	12.59	142	1653738	209.132	ng	97
38) 1-Methylnaphthalene	12.81	142	1785846	239.659	ng	# 98
46) 1,1'-Biphenyl	13.58	154	356611	34.248	ng	99
52) Acenaphthene	14.81	154	607819	74.577	ng	97
55) Dibenzofuran	15.14	168	579848	42.282	ng	99
58) Fluorene	15.79	166	383786	35.140	ng	98
71) Phenanthrene	17.53	178	462589	26.935	ng	100
72) Anthracene	17.62	178	91150m	5.381	ng	
73) Carbazole	17.90	167	64515	4.439	ng	96
75) Fluoranthene	19.53	202	56703	2.673	ng	99

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

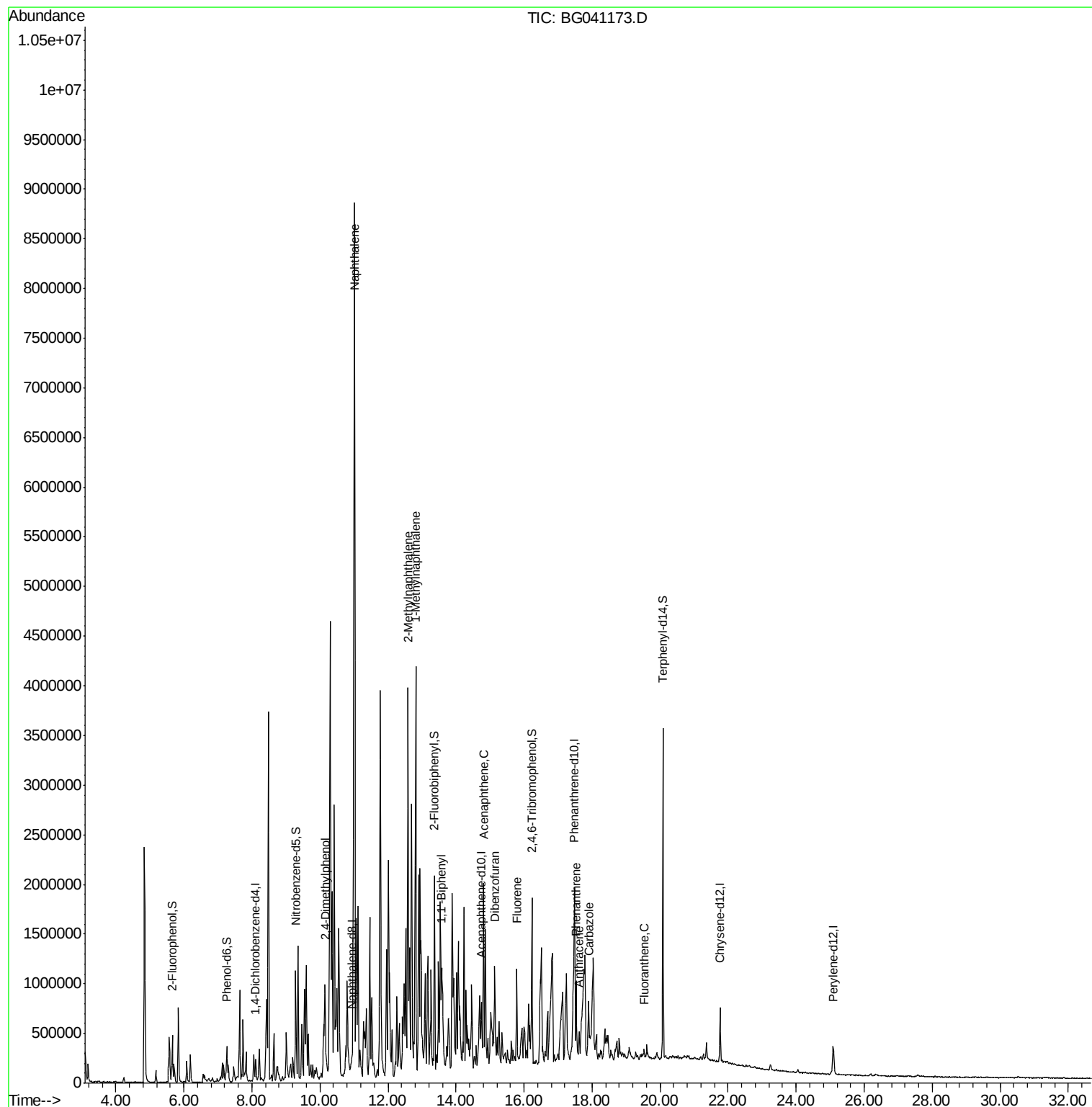
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061019\
Data File : BG041173.D
Acq On : 10 Jun 2019 21:26
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Sample : K3214-03RE
Misc :
ALS Vial : 10 Sample Multiplier: 1

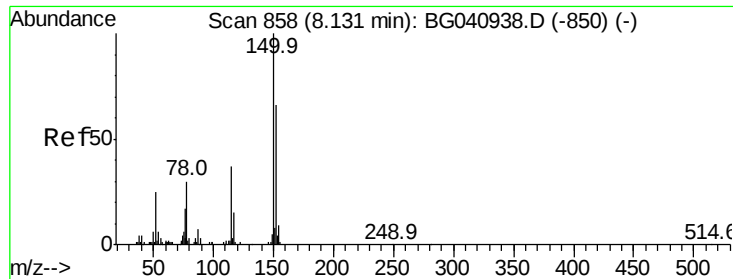
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Jun 11 05:28:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

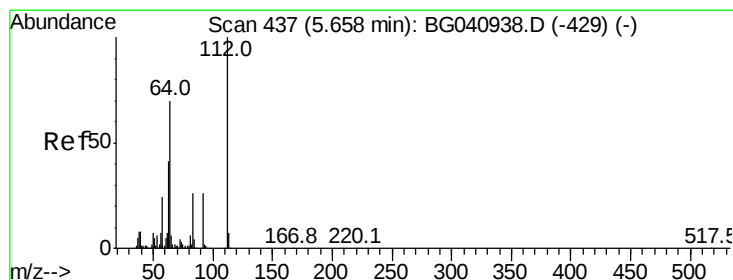
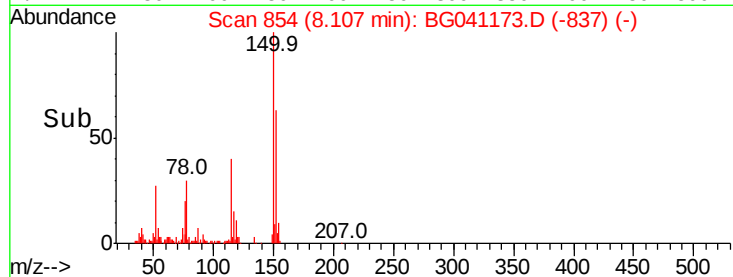
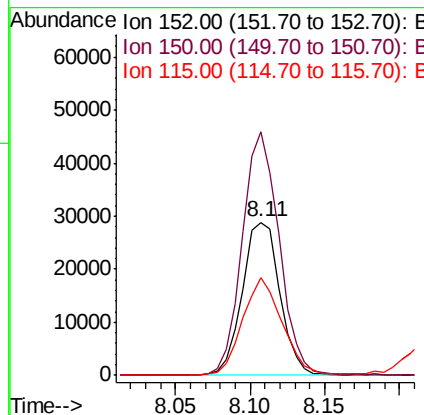
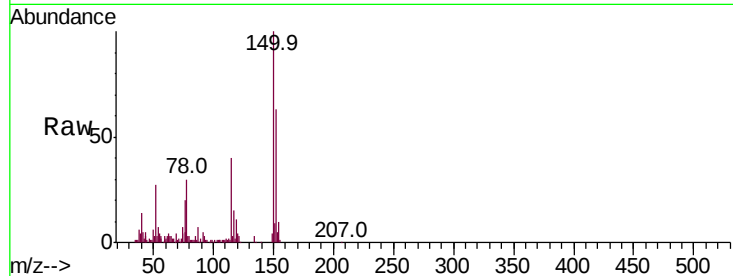
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Instrument :
BNA_G
ClientSampleId :
MW-4ARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	120.6	180.8
115	64.0	45.1	67.7

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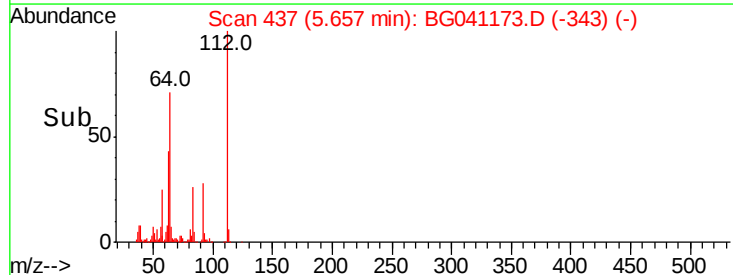
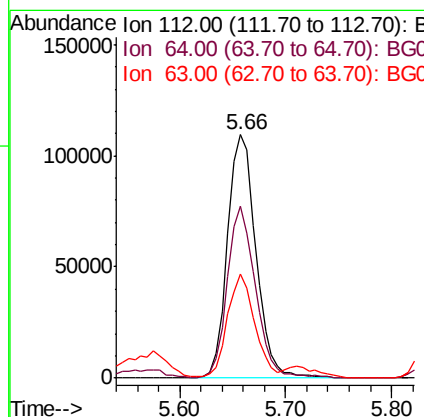
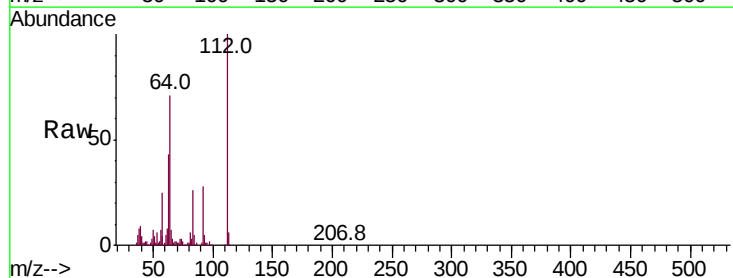
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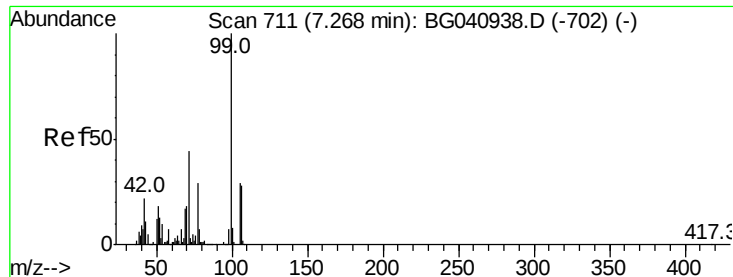


#5

2-Fluorophenol
Concen: 73.318 ng
RT: 5.66 min Scan# 437
Delta R.T. 0.02 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.9	56.2	84.2
63	43.0	32.8	49.2





#7

Phenol-d6

Concen: 44.372 ng

RT: 7.26 min Scan# 710

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA_G

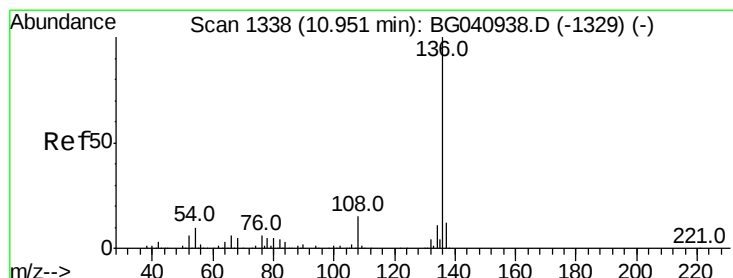
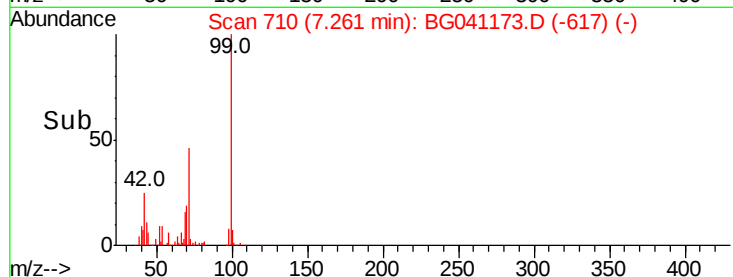
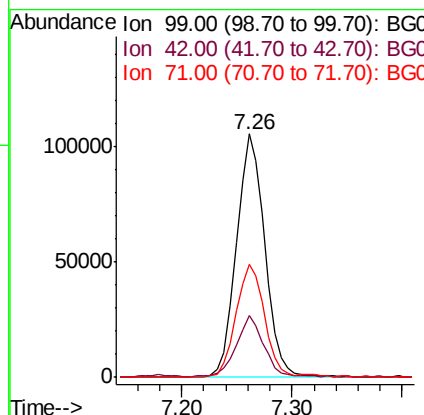
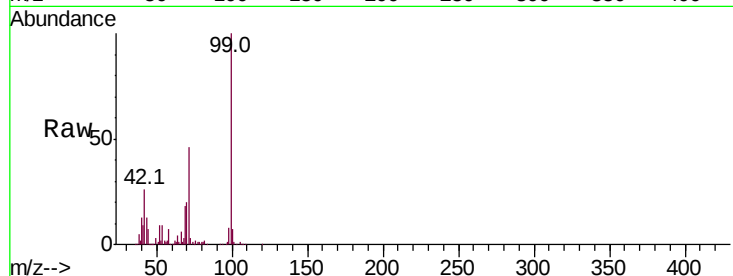
ClientSampleId :

MW-4ARE

Tot Ion:	99	Resp:	190537
Ion Ratio	Lower	Upper	
99	100		
42	25.7	17.9	26.9
71	46.4	35.4	53.0

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#21

Naphthalene-d8

Concen: 20.000 ng

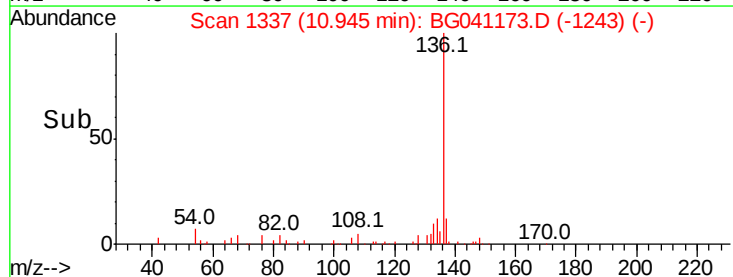
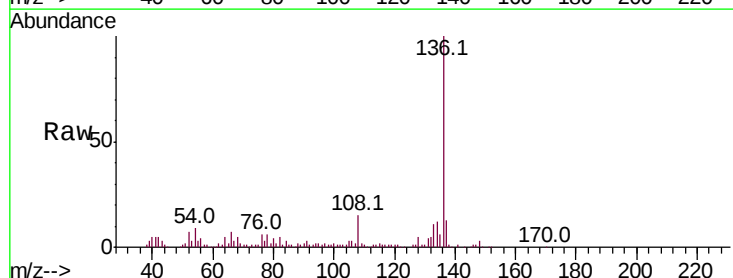
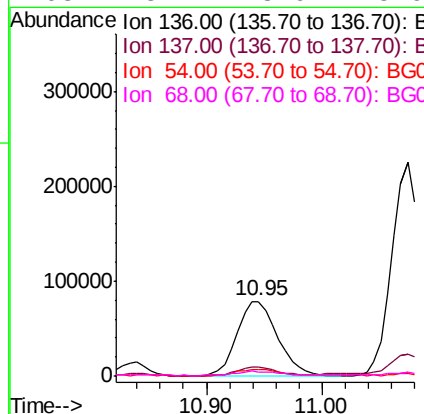
RT: 10.95 min Scan# 1337

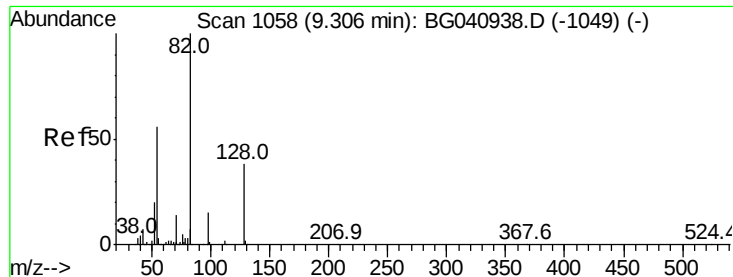
Delta R.T. 0.02 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Tgt Ion:	136	Resp:	191228
Ion Ratio	Lower	Upper	
136	100		
137	12.6	9.5	14.3
54	9.4	7.6	11.4
68	5.2	3.9	5.9





#23

Nitrobenzene-d5

Concen: 96.351 ng

RT: 9.29 min Scan# 1055

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA_G

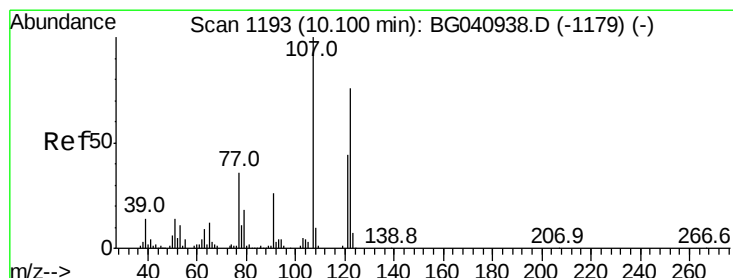
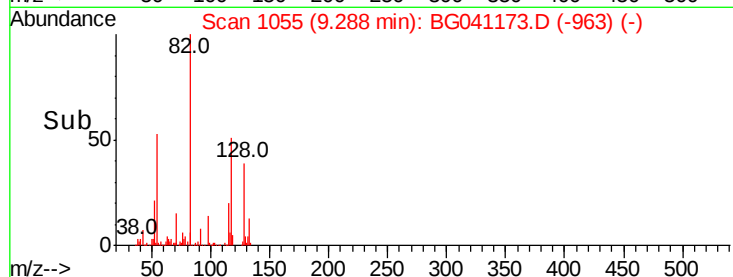
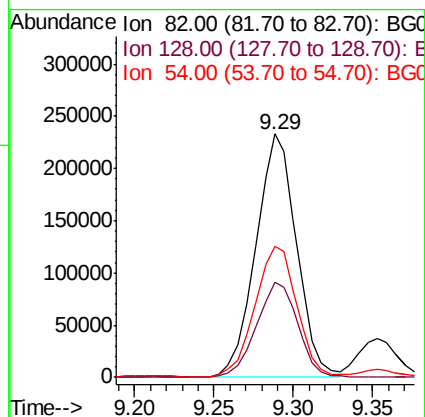
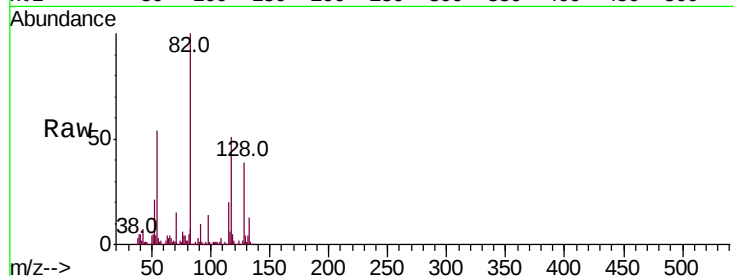
ClientSampleId :

MW-4ARE

Tot Ion	82	Resp	415037
Ion Ratio	Lower	Upper	
82	100		
128	39.0	30.5	45.7
54	53.8	44.6	66.8

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#27

2,4-Dimethylphenol

Concen: 93.334 ng m

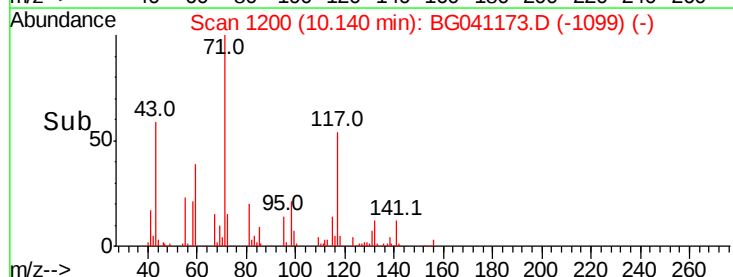
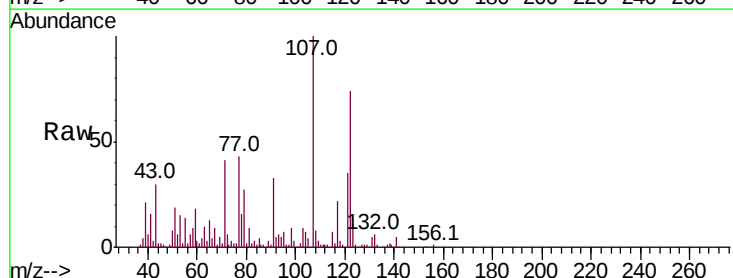
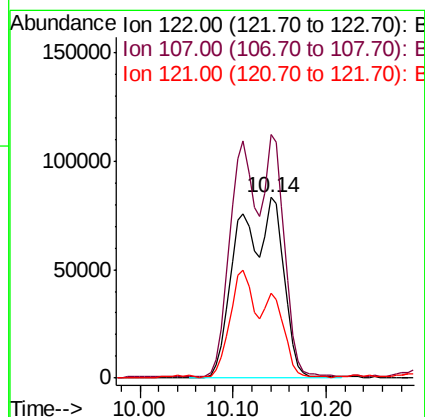
RT: 10.14 min Scan# 1200

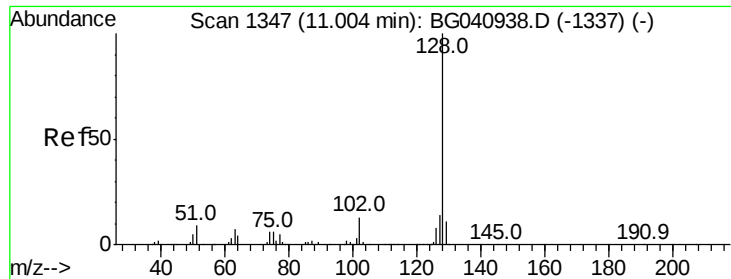
Delta R.T. 0.06 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Tgt Ion	122	Resp	278957
Ion Ratio	Lower	Upper	
122	100		
107	134.8	105.9	158.9
121	47.0	46.2	69.4





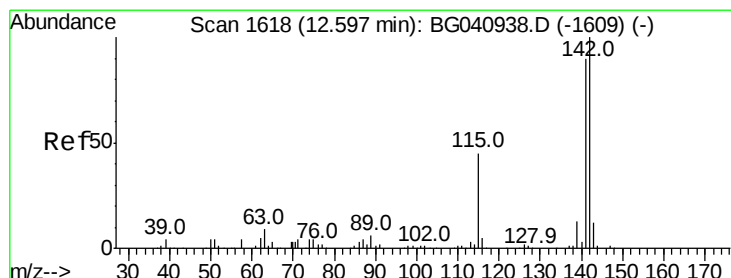
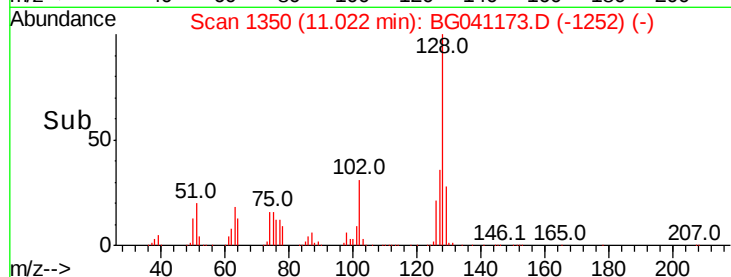
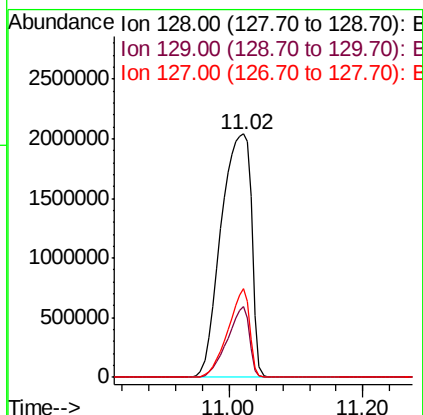
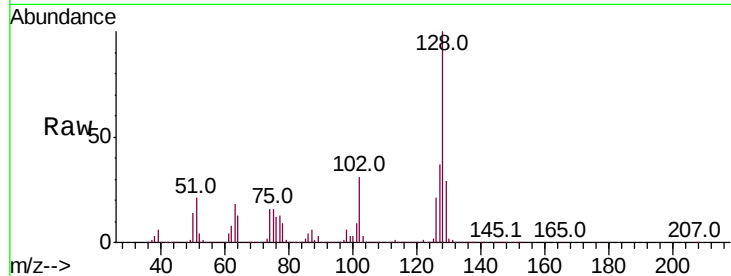
#31
Naphthalene
Concen: 638.088 ng
RT: 11.02 min Scan# 1350
Delta R.T. 0.04 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Instrument :
BNA_G
ClientSampleId :
MW-4ARE

Tot Ion:128 Resp: 6551387
Ion Ratio Lower Upper
128 100
129 28.8 8.5 12.7#
127 36.5 11.4 17.2#

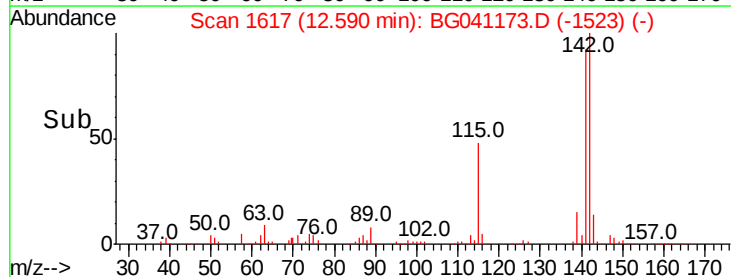
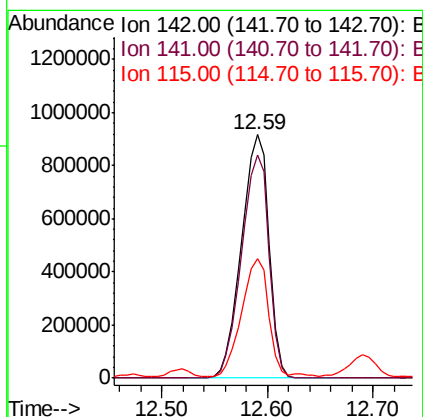
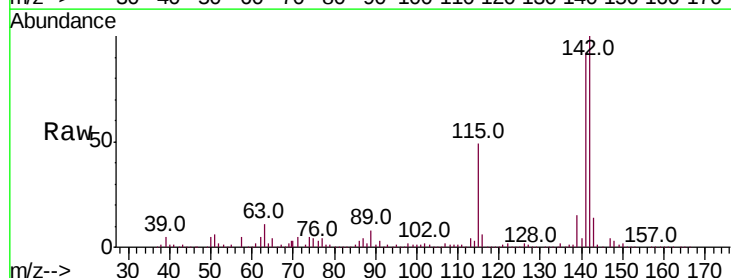
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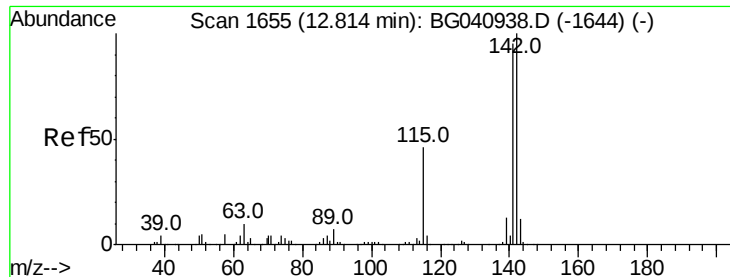
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#37
2-Methylnaphthalene
Concen: 209.132 ng
RT: 12.59 min Scan# 1617
Delta R.T. 0.02 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Tgt Ion:142 Resp: 1653738
Ion Ratio Lower Upper
142 100
141 91.8 72.2 108.4
115 49.1 36.2 54.4





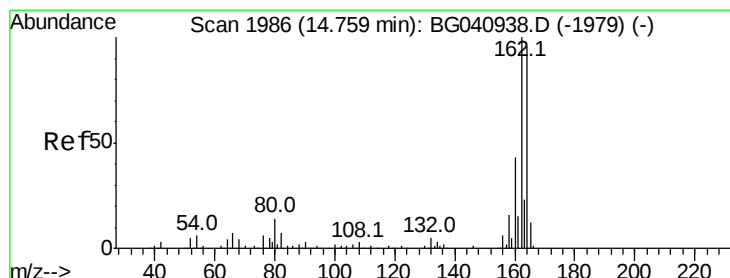
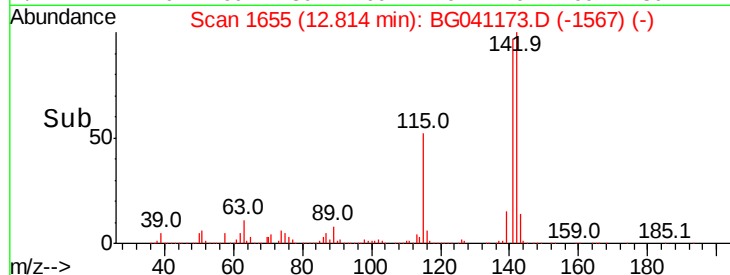
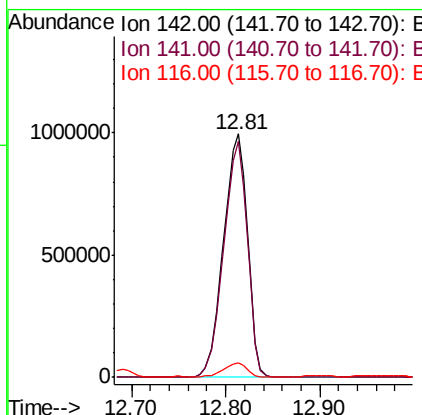
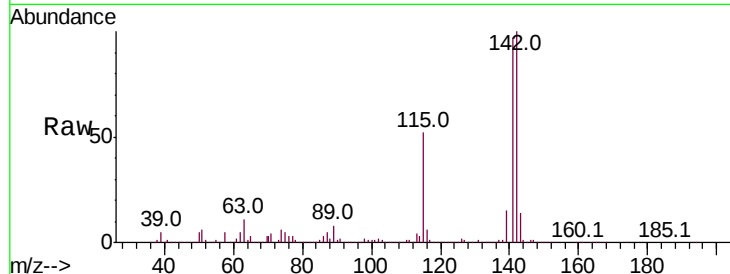
#38
1-Methylnaphthalene
Concen: 239.659 ng
RT: 12.81 min Scan# 1655
Delta R.T. 0.02 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Instrument :
BNA_G
ClientSampleId :
MW-4ARE

Tot Ion	Ratio	Lower	Upper
142	100		
141	96.8	75.7	113.5
116	6.0	3.4	5.2#

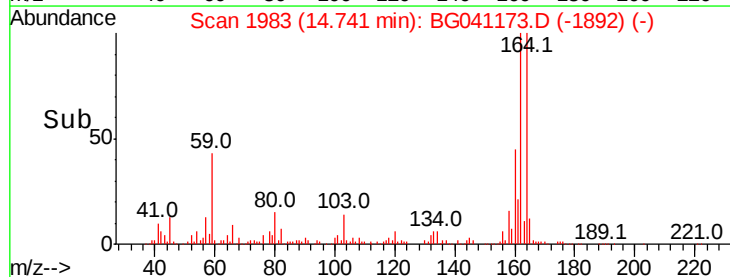
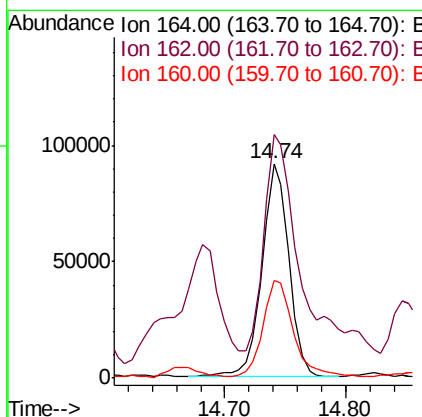
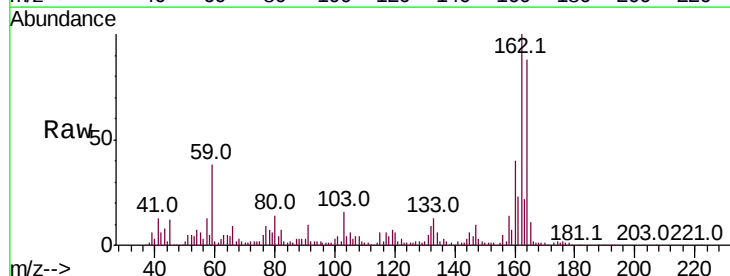
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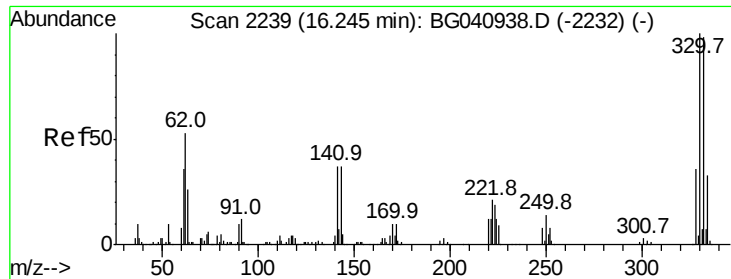
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	113.6	83.0	124.4
160	45.7	35.6	53.4





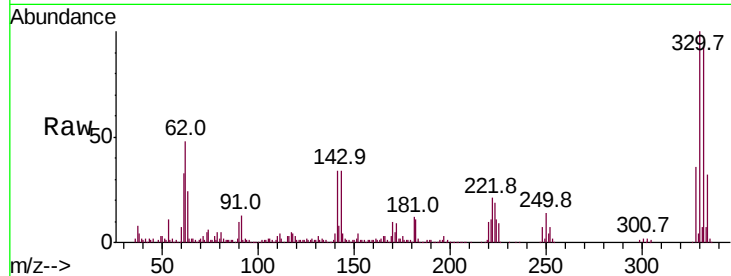
#42
 2,4,6-Tribromophenol
 Concen: 144.889 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BG041173.D
 Acq: 10 Jun 2019 21:26

Instrument :
 BNA_G
 ClientSampleId :
 MW-4ARE

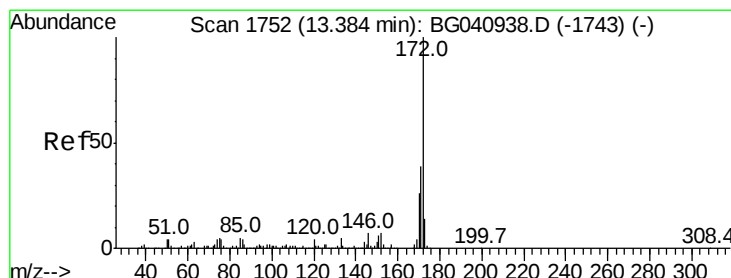
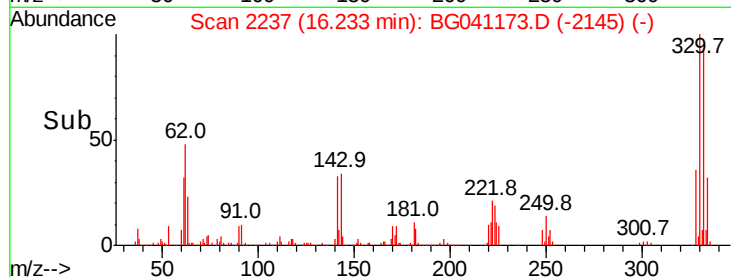
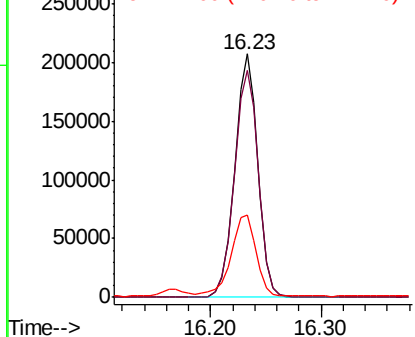
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	78.5	117.7	
141	36.2	28.7	43.1	

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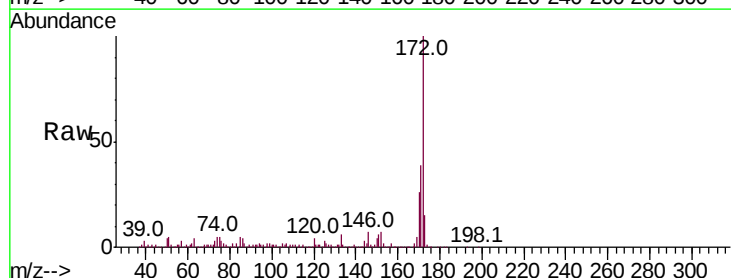


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

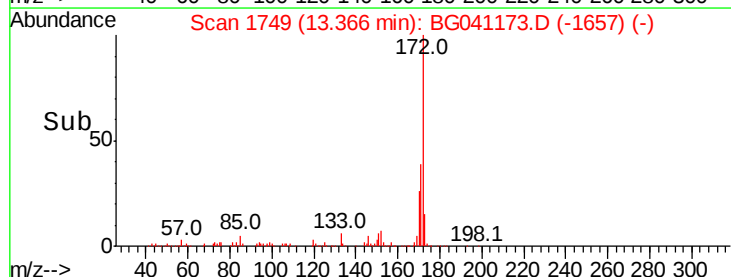
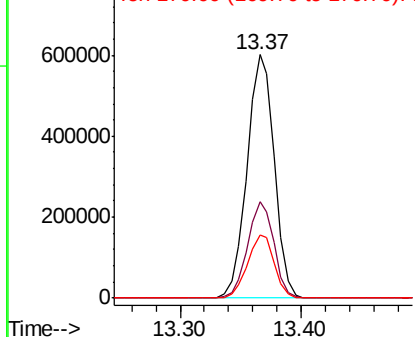


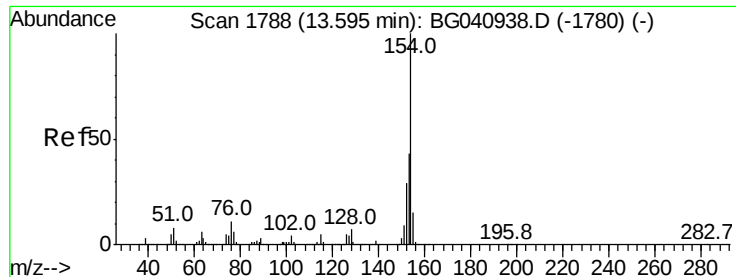
#45
 2-Fluorobiphenyl
 Concen: 96.242 ng
 RT: 13.37 min Scan# 1749
 Delta R.T. 0.01 min
 Lab File: BG041173.D
 Acq: 10 Jun 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	39.4	31.1	46.7	
170	25.9	20.5	30.7	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





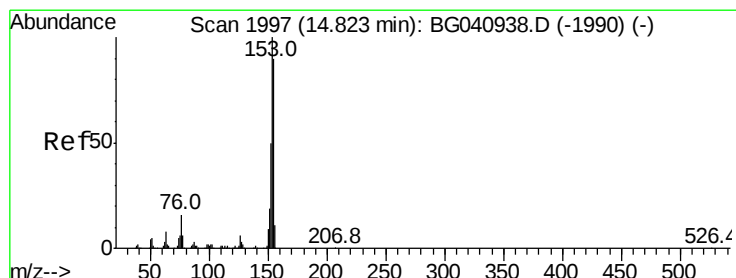
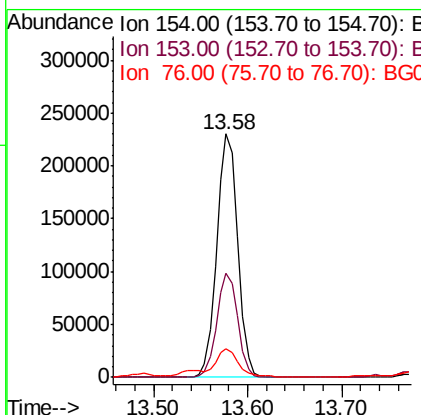
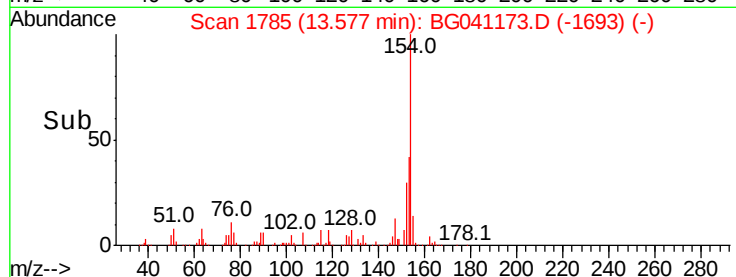
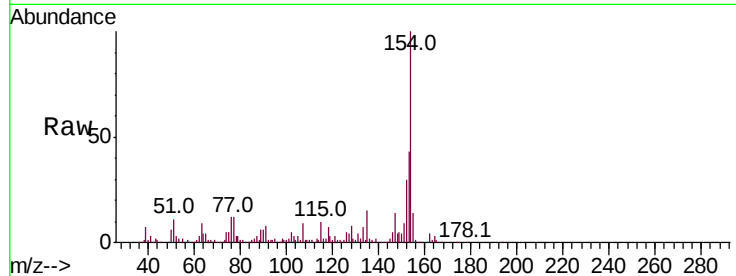
#46
 1,1'-Biphenyl
 Concen: 34.248 ng
 RT: 13.58 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: BG041173.D
 Acq: 10 Jun 2019 21:26

Instrument :
 BNA_G
 ClientSampleId :
 MW-4ARE

Tot Ion:	154	Resp:	356611
Ion Ratio	Lower	Upper	
154	100		
153	42.7	23.3	63.3
76	11.7	0.0	31.1

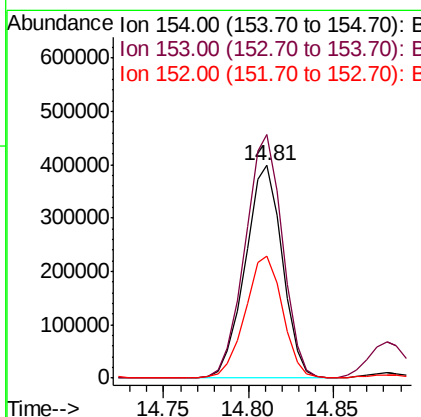
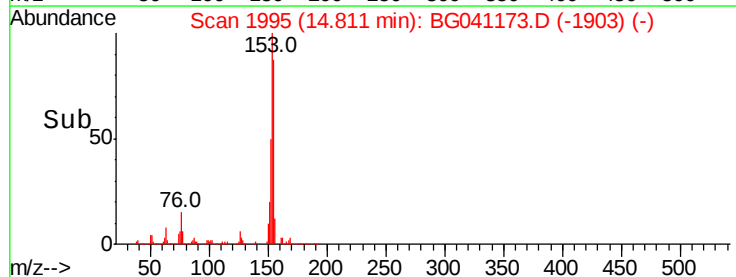
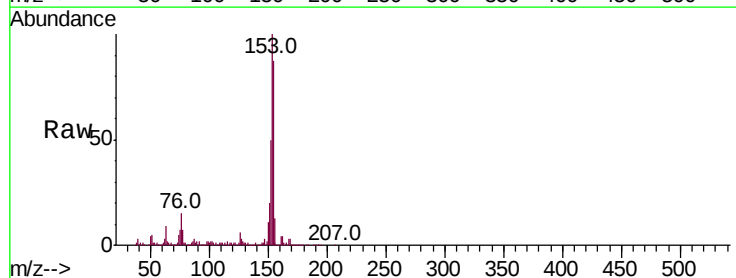
Manual Integrations
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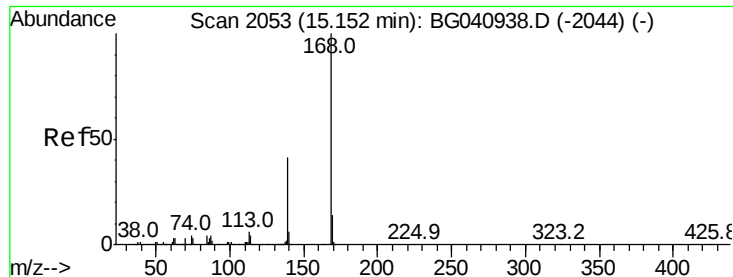
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#52
 Acenaphthene
 Concen: 74.577 ng
 RT: 14.81 min Scan# 1995
 Delta R.T. 0.01 min
 Lab File: BG041173.D
 Acq: 10 Jun 2019 21:26

Tgt Ion:	154	Resp:	607819
Ion Ratio	Lower	Upper	
154	100		
153	114.5	88.6	133.0
152	57.2	44.2	66.4





#55

Dibenzenofuran

Concen: 42.282 ng

RT: 15.14 min Scan# 2051

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA_G

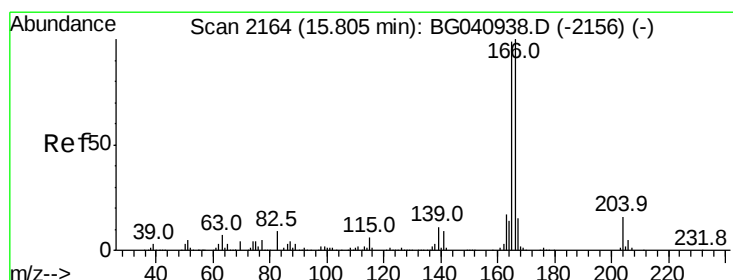
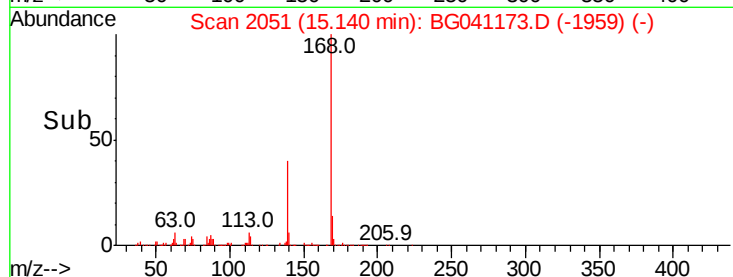
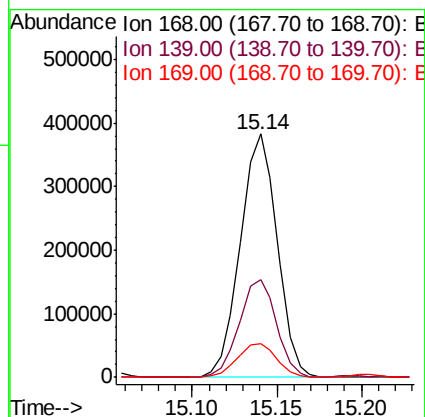
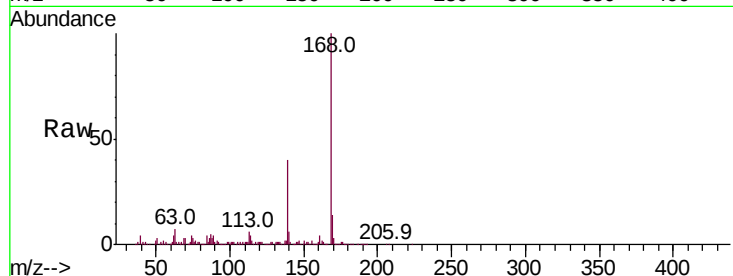
ClientSampled :

MW-4ARE

Tot Ion:	168	Resp:	579848
Ion Ratio	Lower	Upper	
168	100		
139	40.3	32.8	49.2
169	13.7	11.3	16.9

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#58

Fluorene

Concen: 35.140 ng

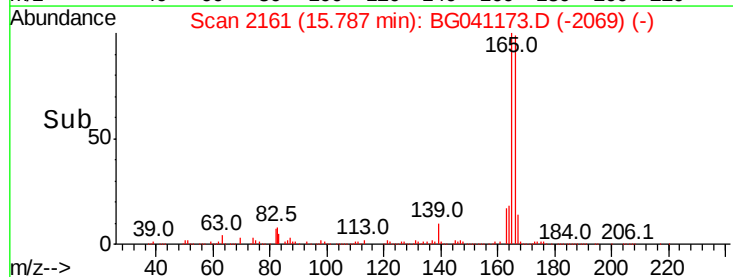
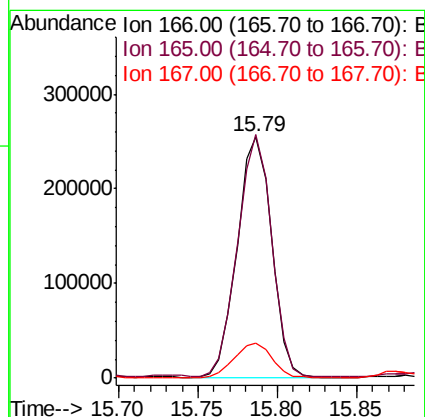
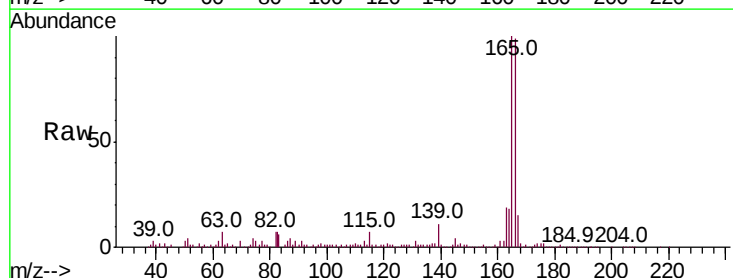
RT: 15.79 min Scan# 2161

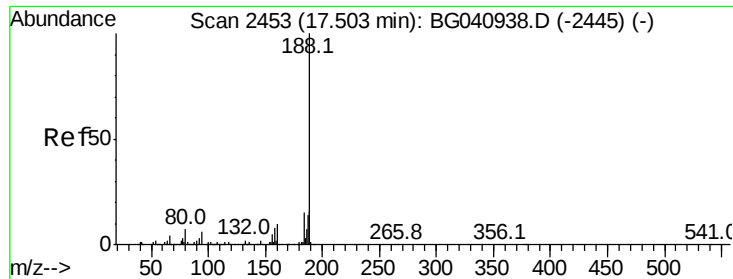
Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Tgt Ion:	166	Resp:	383786
Ion Ratio	Lower	Upper	
166	100		
165	100.9	79.2	118.8
167	14.7	11.8	17.6





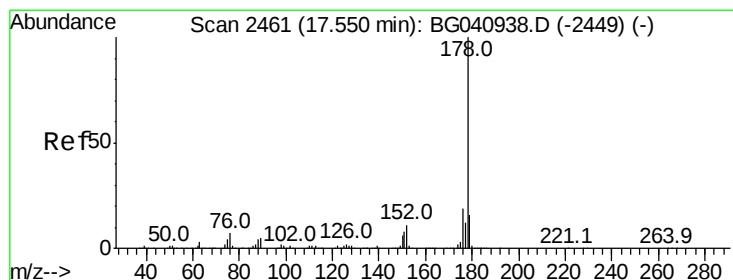
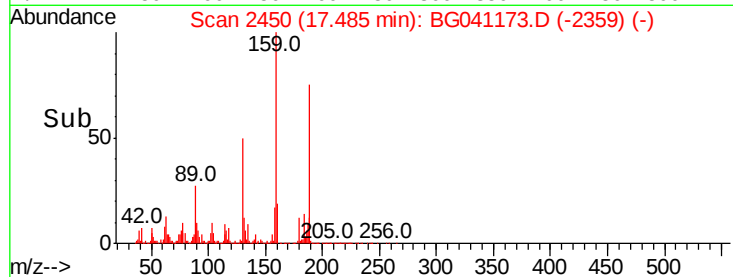
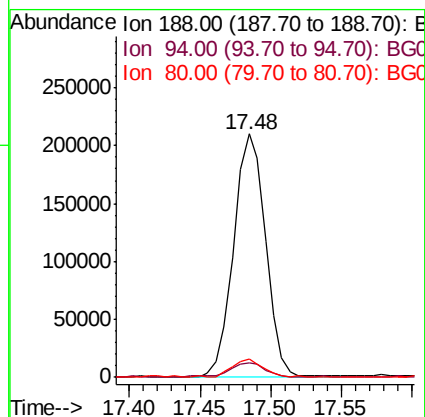
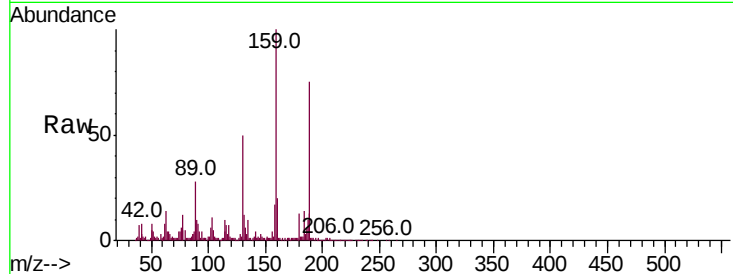
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2450
Delta R.T. 0.00 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Instrument :
BNA_G
ClientSampleId :
MW-4ARE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	329709		
94	5.8		4.7	7.1
80	7.3		5.8	8.8

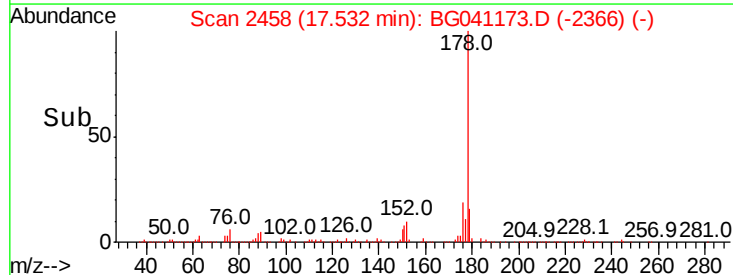
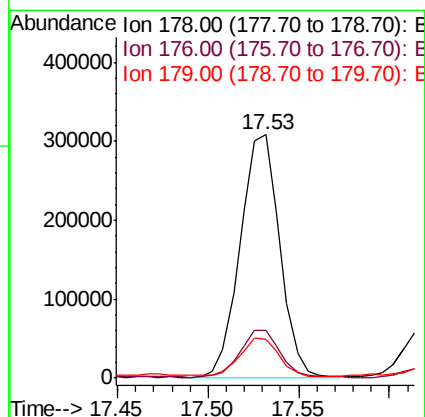
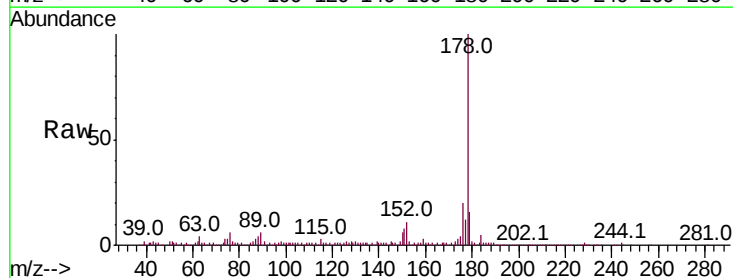
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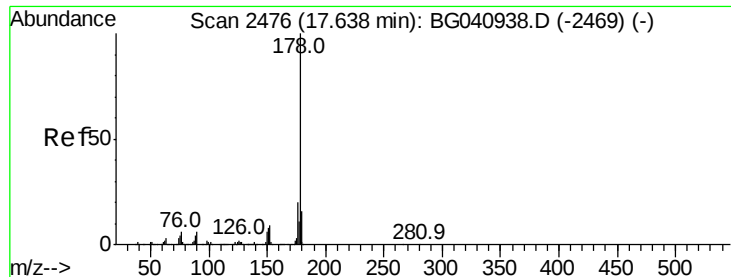
mohammad
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#71
Phenanthrene
Concen: 26.935 ng
RT: 17.53 min Scan# 2458
Delta R.T. 0.01 min
Lab File: BG041173.D
Acq: 10 Jun 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	462589		
176	19.8		15.5	23.3
179	15.9		12.7	19.1





#72

Anthracene

Concen: 5.381 ng/mL

RT: 17.62 min Scan# 2473

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA_G

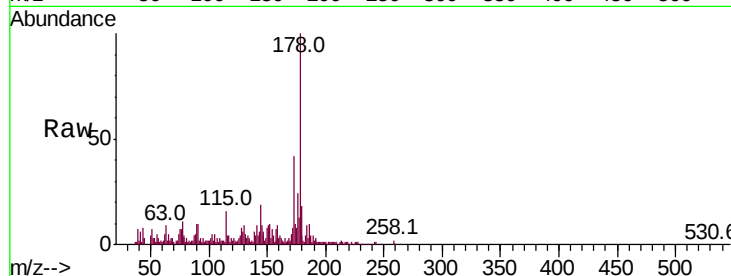
ClientSampleId :

MW-4ARE

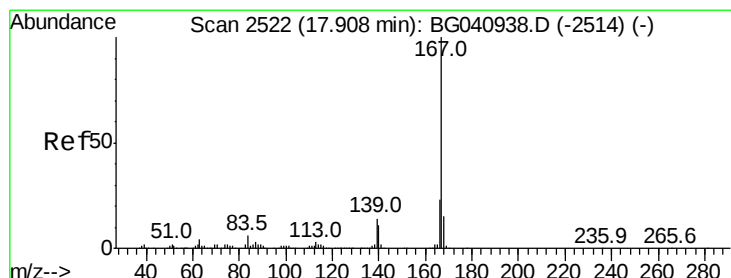
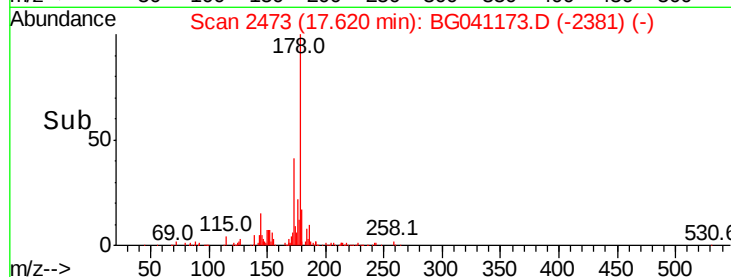
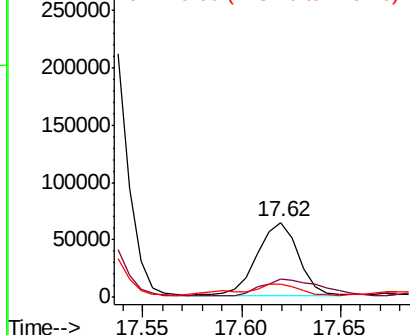
Tot Ion:178	Resp:	91150
Ion Ratio	Lower	Upper
178	100	
176	23.7	15.6 23.4#
179	17.5	13.0 19.4

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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: 4.439 ng/mL

RT: 17.90 min Scan# 2520

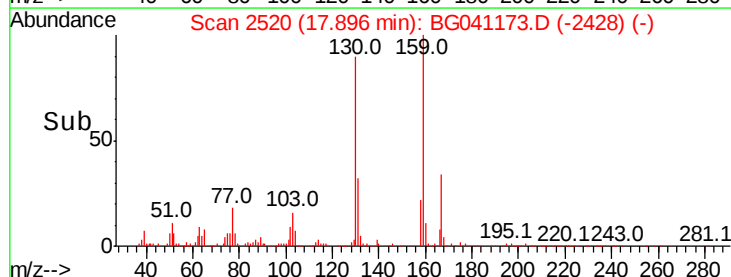
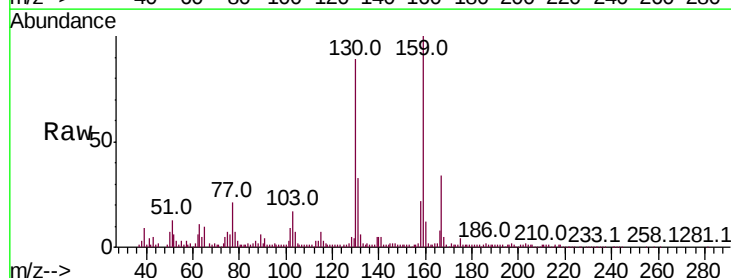
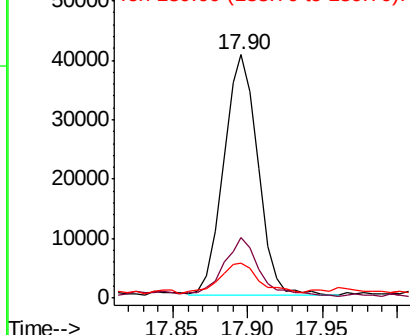
Delta R.T. 0.01 min

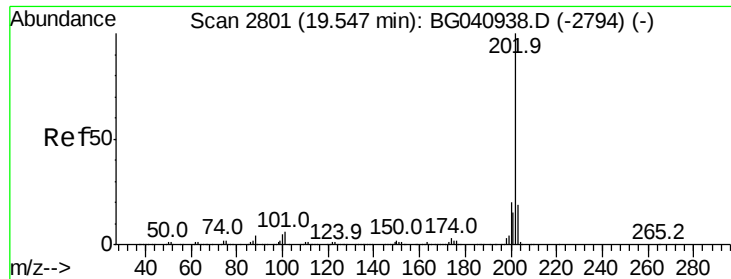
Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Tgt Ion:167	Resp:	64515
Ion Ratio	Lower	Upper
167	100	
166	25.0	18.2 27.4
139	14.6	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





#75

Fluoranthene

Concen: 2.673 ng

RT: 19.53 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA_G

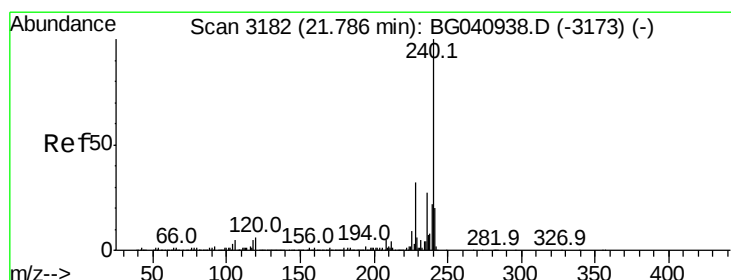
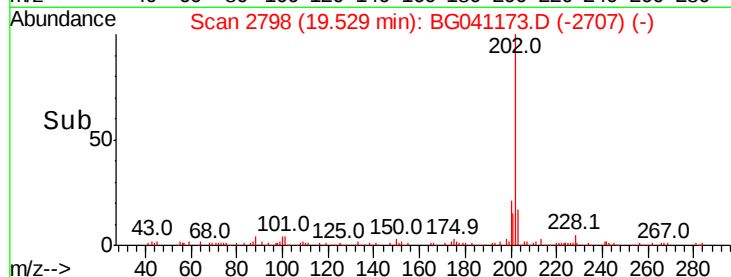
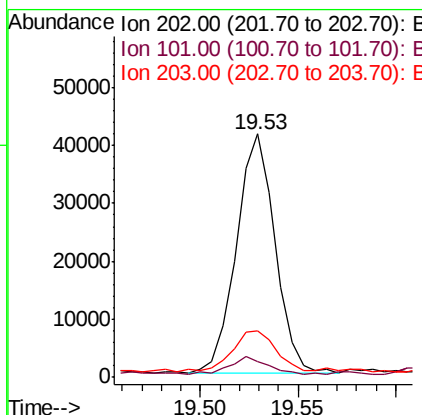
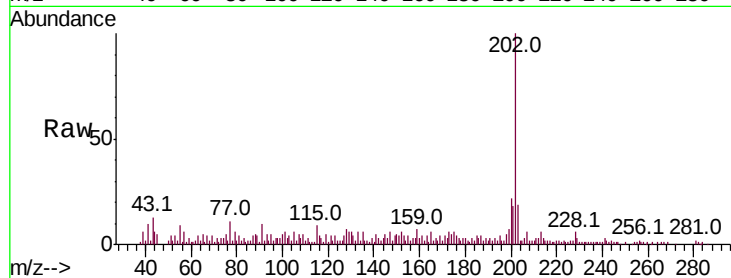
ClientSampled :

MW-4ARE

Tot Ion:	202	Resp:	56703
Ion Ratio	Lower	Upper	
202	100		
101	6.3	0.0	26.2
203	19.2	0.0	38.7

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#76

Chrysene-d12

Concen: 20.000 ng

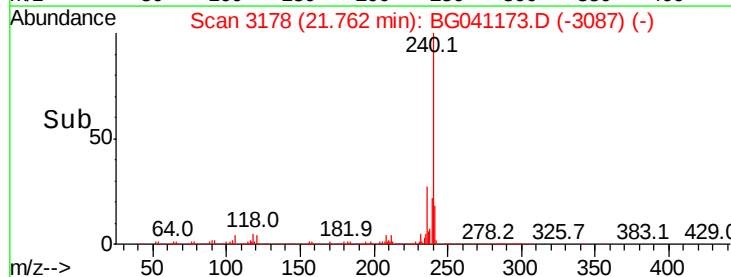
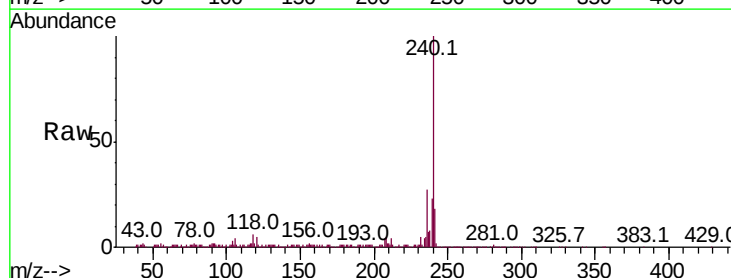
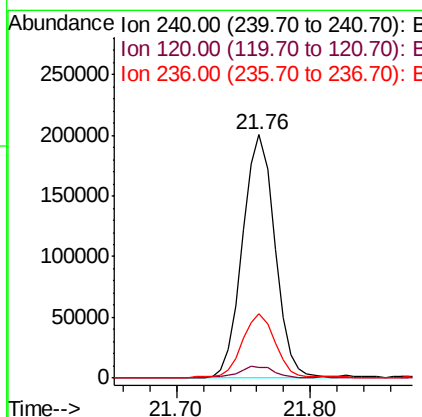
RT: 21.76 min Scan# 3178

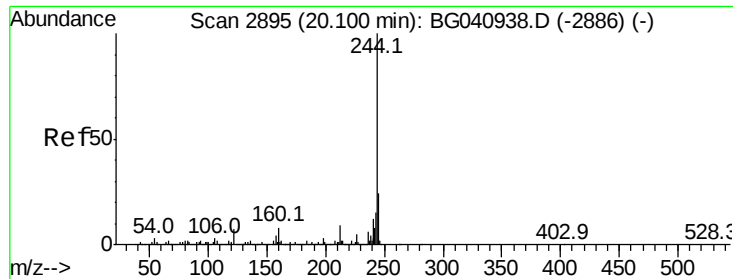
Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Tgt Ion:	240	Resp:	332689
Ion Ratio	Lower	Upper	
240	100		
120	4.6	4.5	6.7
236	26.7	21.3	31.9





#79

Terphenyl-d14

Concen: 97.339 ng

RT: 20.08 min Scan# 2892

Delta R.T. 0.01 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Instrument :

BNA_G

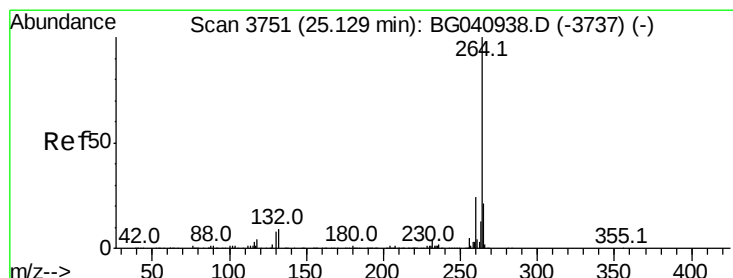
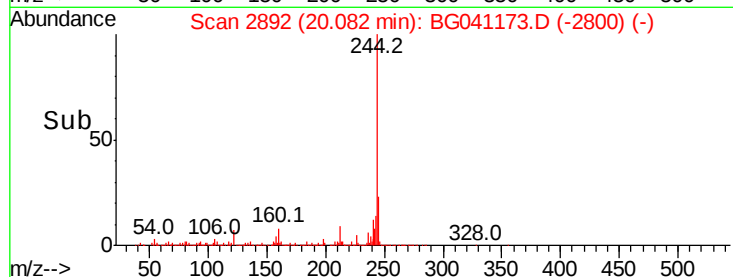
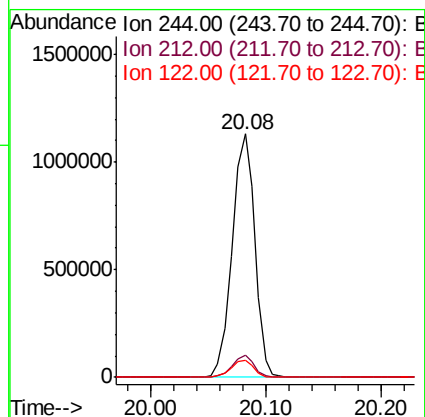
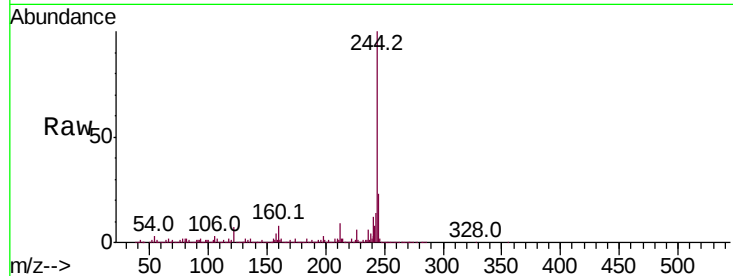
ClientSampleId :

MW-4ARE

Tot Ion:	244	Resp:	1525841
Ion Ratio	Lower	Upper	
244	100		
212	9.1	7.0	10.4
122	7.1	5.4	8.0

Manual Integrations
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#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3744

Delta R.T. 0.00 min

Lab File: BG041173.D

Acq: 10 Jun 2019 21:26

Tgt Ion:	264	Resp:	339681
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.0	28.4
265	22.6	17.0	25.4

