

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
 Data File : BG042838.D
 Acq On : 14 Sep 2019 6:37
 Operator : HP/JU
 Sample : K4846-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-22-COMP

Manual Integrations
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mohammad
 9/17/2019 9:20:46 AM

Quant Time: Sep 16 01:18:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	116235	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	462012	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	297140	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	580428	20.00	ng	0.00
76) Chrysene-d12	21.76	240	530848	20.00	ng	0.00
87) Perylene-d12	25.04	264	617964	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	565032	84.51	ng	0.00
7) Phenol-d6	7.27	99	870212	90.68	ng	0.00
23) Nitrobenzene-d5	9.27	82	551727	62.17	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	325279	82.28	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1169669	62.31	ng	0.00
79) Terphenyl-d14	20.09	244	1506092	62.88	ng	0.00

Target Compounds

						Qvalue
10) Phenol	7.29	94	36711	3.730	ng	95
31) Naphthalene	10.98	128	1545642	67.758	ng	97
37) 2-Methylnaphthalene	12.58	142	1684323	98.570	ng	97
38) 1-Methylnaphthalene	12.79	142	1501305	93.676	ng	99
46) 1,1'-Biphenyl	13.58	154	201886	9.705	ng	97
49) Acenaphthylene	14.46	152	130092	4.947	ng	# 48
50) Dimethylphthalate	14.18	163	97301	4.371	ng	99
52) Acenaphthene	14.80	154	234931	13.675	ng	97
55) Dibenzofuran	15.13	168	134067	5.250	ng	# 45
58) Fluorene	15.78	166	862767	40.769	ng	# 97
71) Phenanthrene	17.53	178	3470232m	125.016	ng	
72) Anthracene	17.61	178	320593	11.560	ng	99
75) Fluoranthene	19.53	202	1963299	54.573	ng	93
78) Pyrene	19.89	202	3075694m	92.545	ng	
81) Benzo(a)anthracene	21.74	228	1411101	41.808	ng	# 88
83) Chrysene	21.81	228	1579993	49.420	ng	# 95
86) Indeno(1,2,3-cd)pyrene	28.78	276	522080	13.187	ng	# 91
88) Benzo(b)fluoranthene	24.01	252	989459	27.269	ng	96
89) Benzo(k)fluoranthene	24.06	252	265433m	7.744	ng	
90) Benzo(a)pyrene	24.89	252	1044667	30.747	ng	99
91) Dibenzo(a,h)anthracene	28.83	278	180296	5.395	ng	# 77
92) Benzo(g,h,i)perylene	29.95	276	607752	18.645	ng	96

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

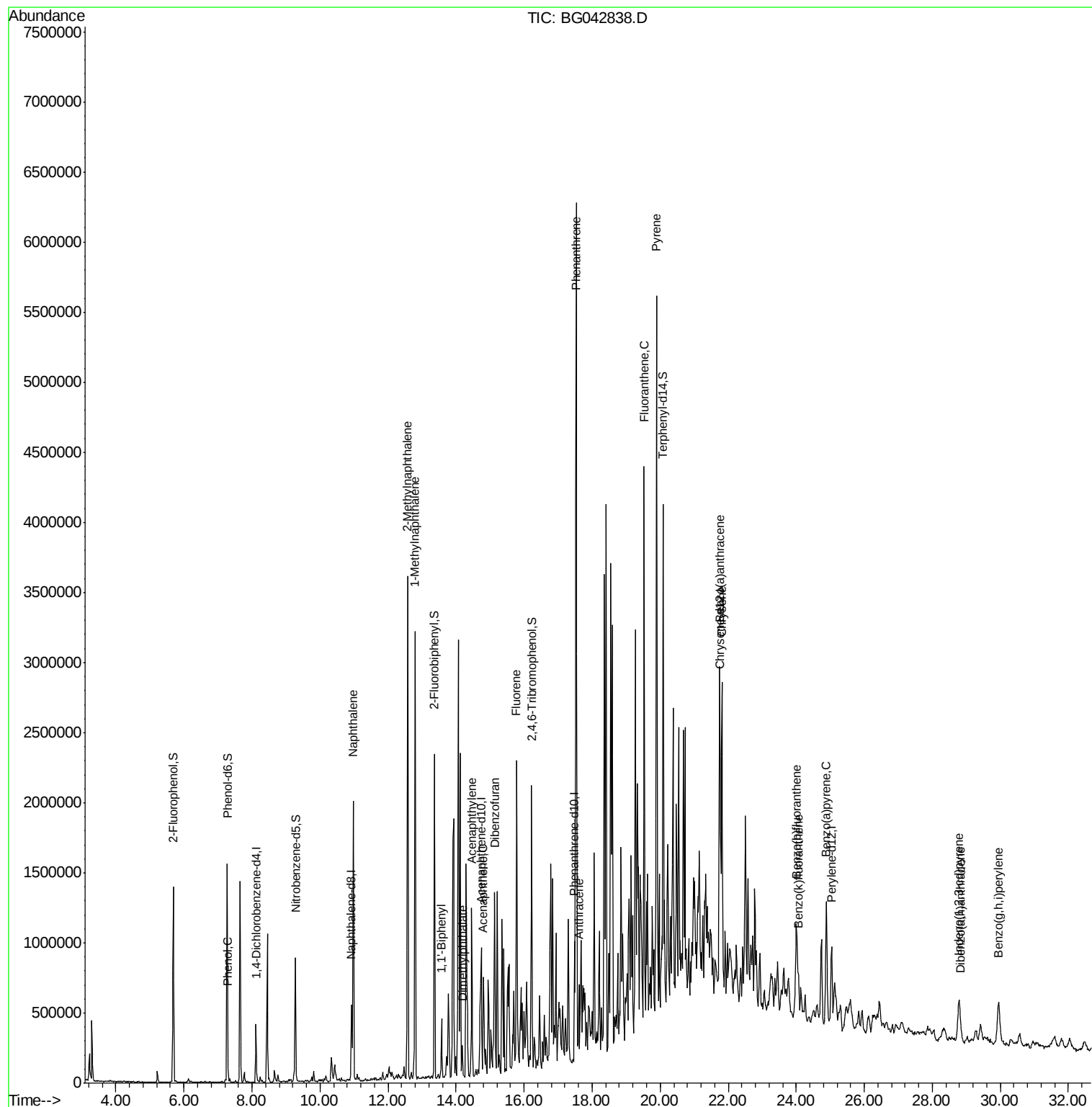
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091319\
Data File : BG042838.D
Acq On : 14 Sep 2019 6:37
Operator : HP/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

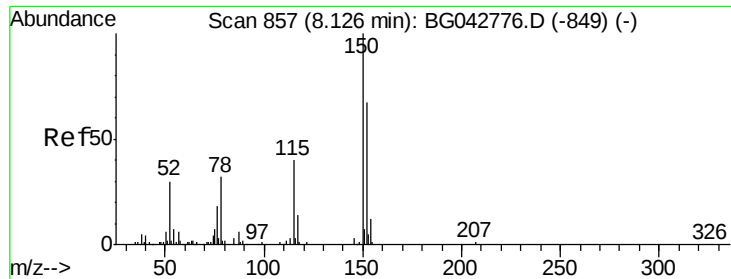
Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

Quant Time: Sep 16 01:18:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 12 14:06:09 2019
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#1

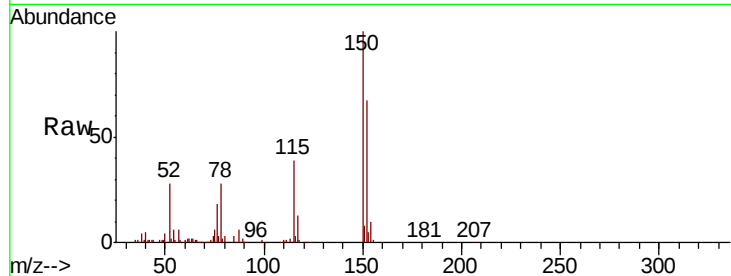
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Resp	Lower	Upper
152	100	116235		
150	149.4	118.9	178.3	
115	57.8	47.4	71.2	

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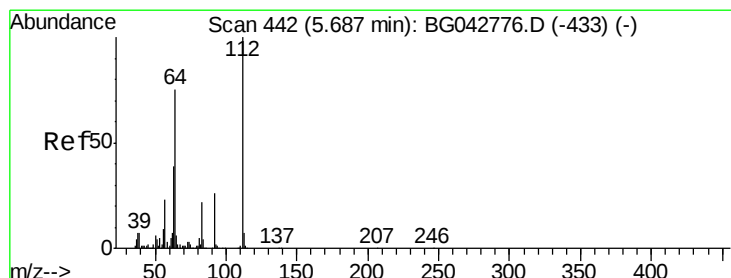
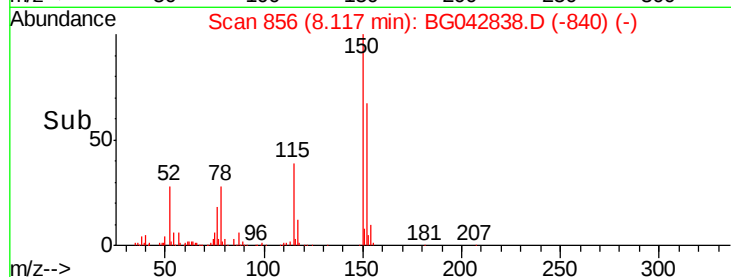
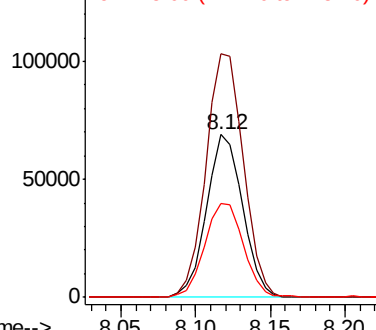


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

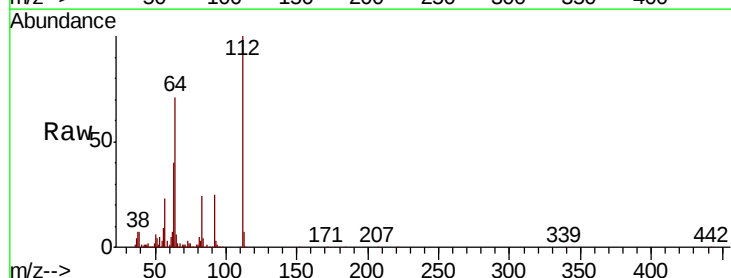
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.513 ng
RT: 5.68 min Scan# 442
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	565032		
64	71.4	60.2	90.2	
63	40.2	31.2	46.8	

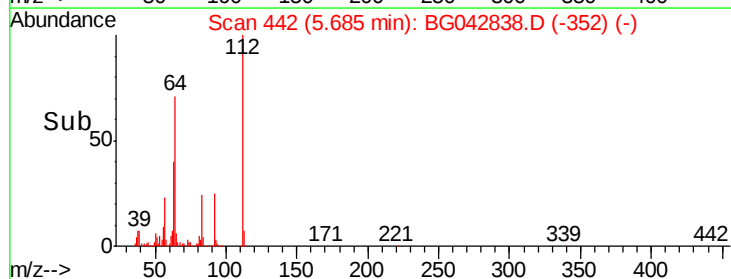
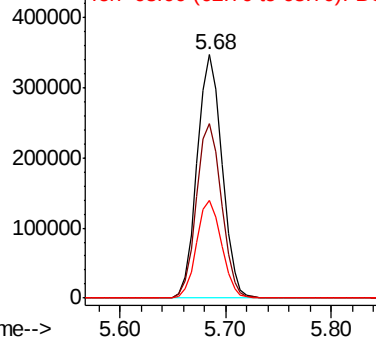


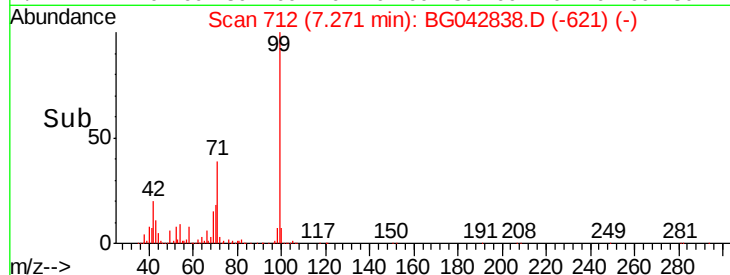
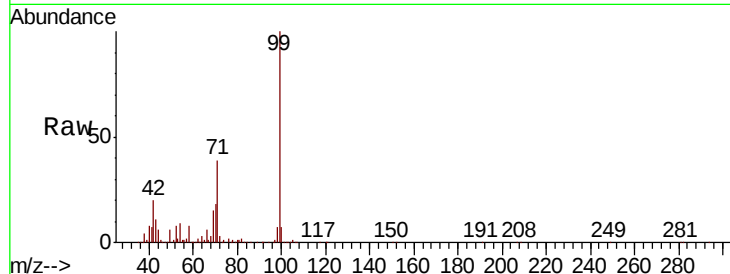
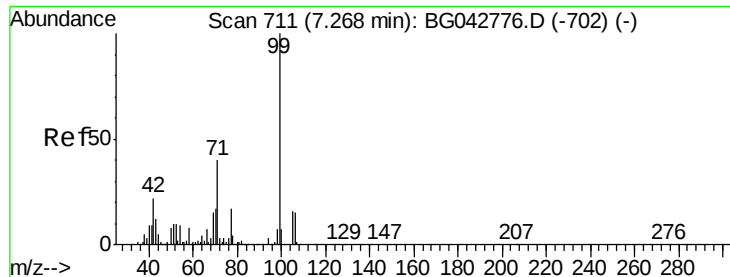
Abundance

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: 90.682 ng

RT: 7.27 min Scan# 712

Delta R.T. 0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Tot Ion:	99	Resp:	870212
Ion Ratio	Lower	Upper	
99	100		
42	20.2	17.5	26.3
71	39.1	32.0	48.0

Instrument :

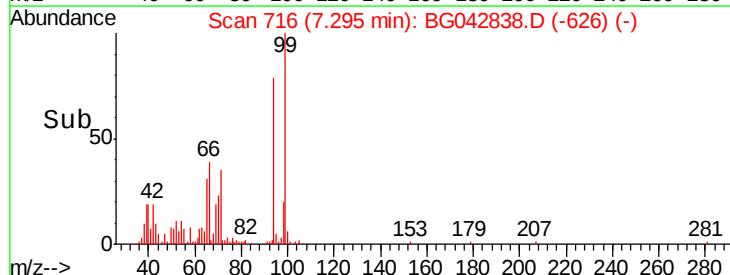
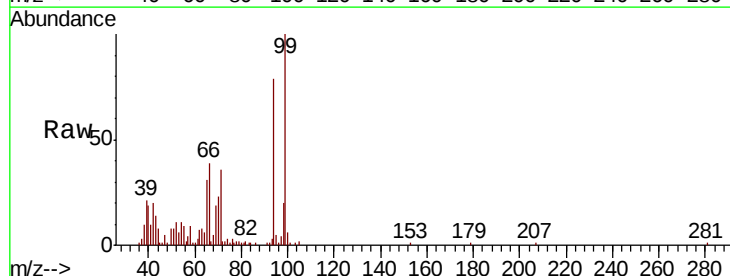
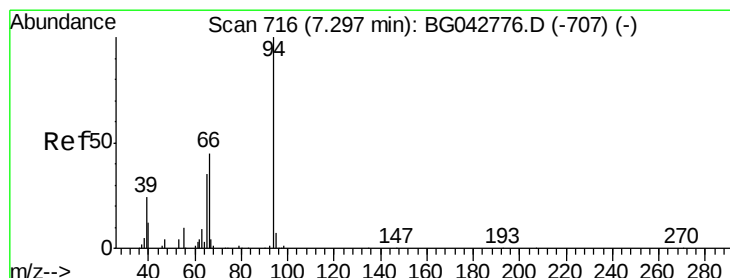
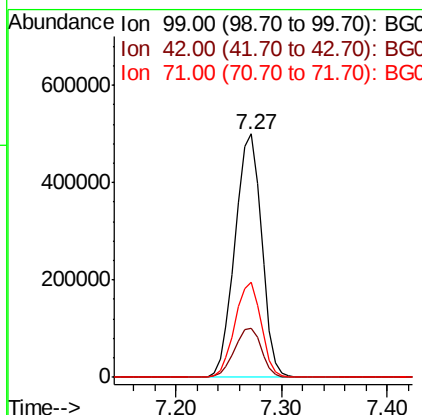
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#10

Phenol

Concen: 3.730 ng

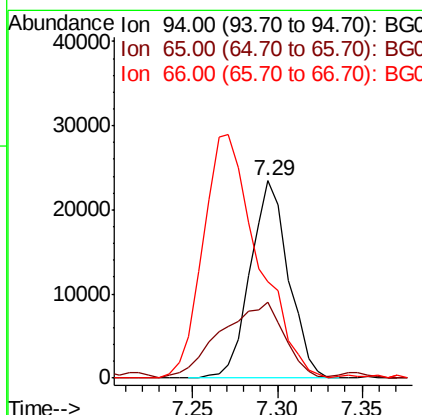
RT: 7.29 min Scan# 716

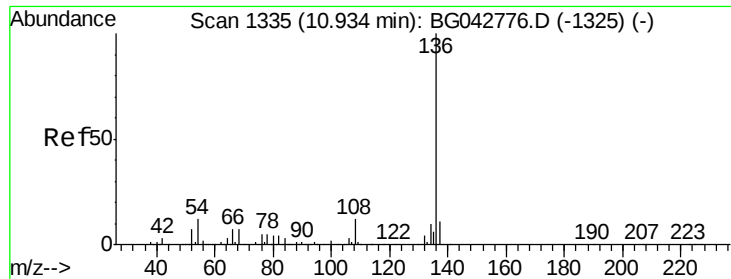
Delta R.T. -0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Tgt Ion:	94	Resp:	36711
Ion Ratio	Lower	Upper	
94	100		
65	38.4	15.0	55.0
66	48.6	26.1	66.1





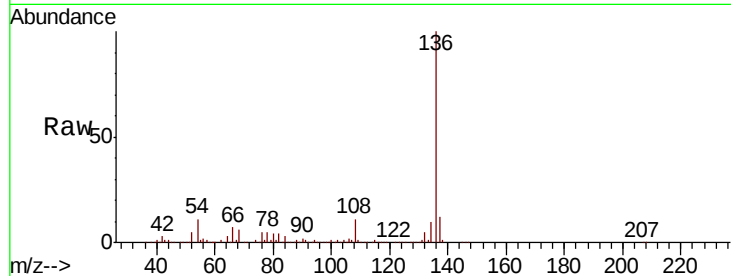
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

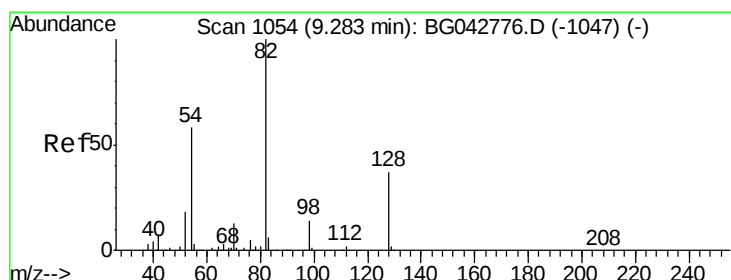
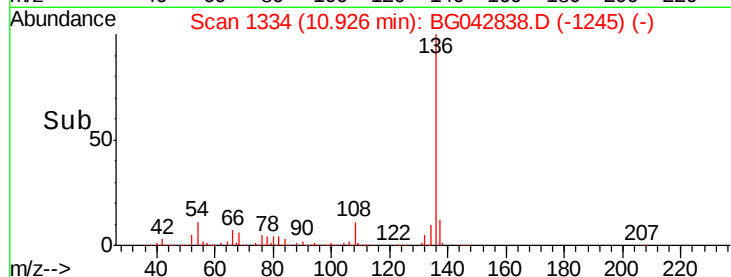
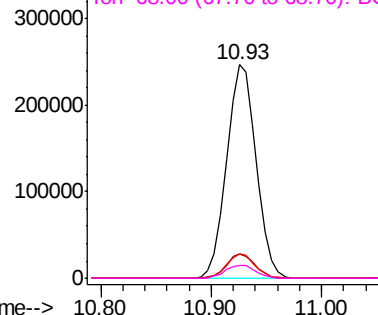
Tot Ion	Ratio	Resp	Lower	Upper
136	100	462012		
137	11.7	9.0	13.6	
54	11.4	9.4	14.0	
68	6.1	5.4	8.2	

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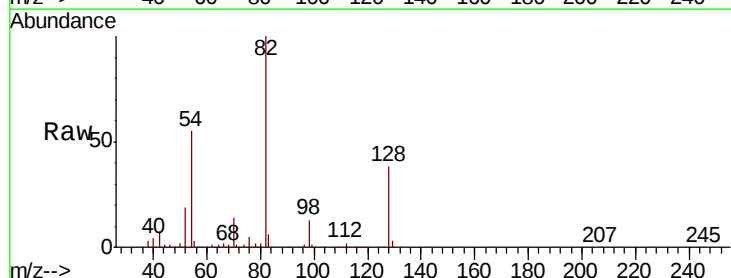


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

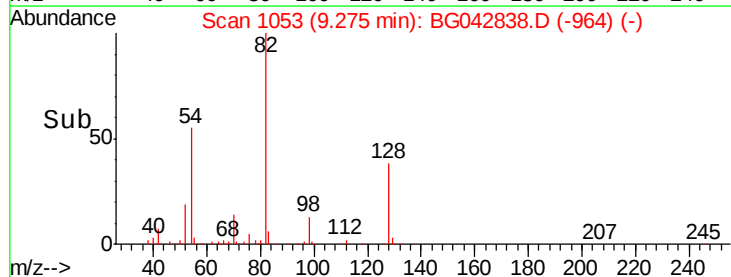
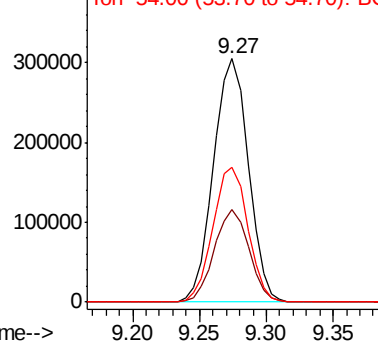


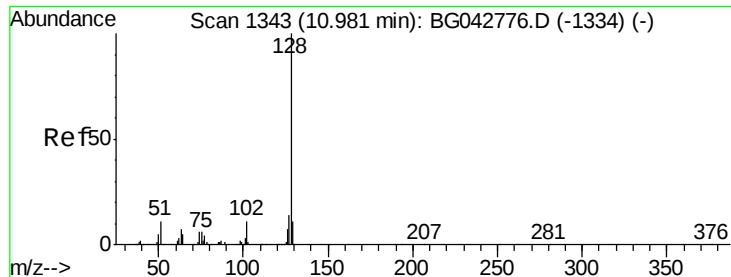
#23
Nitrobenzene-d5
Concen: 62.172 ng
RT: 9.27 min Scan# 1053
Delta R.T. -0.01 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	551727		
128	38.1	29.8	44.8	
54	55.4	46.1	69.1	



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





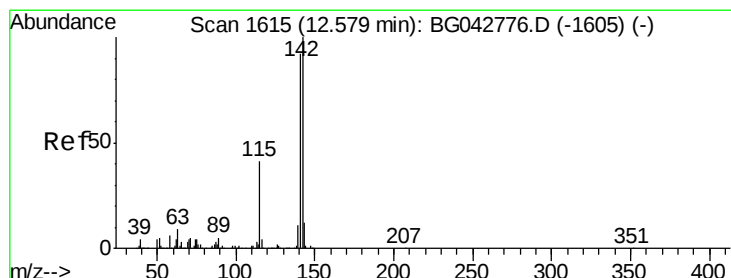
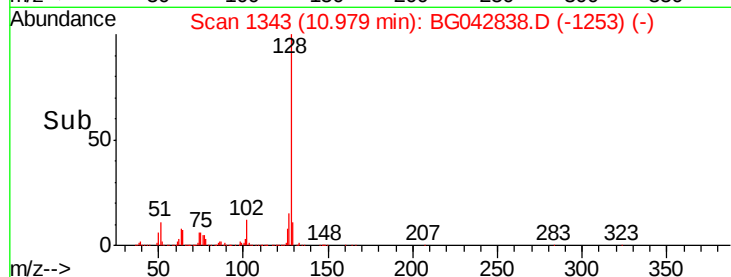
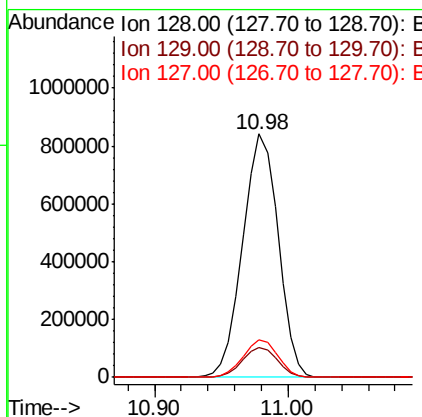
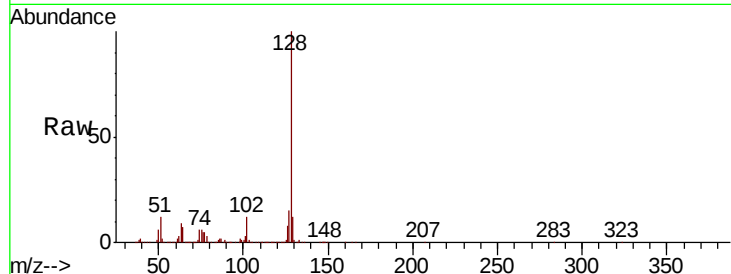
#31
Naphthalene
Concen: 67.758 ng
RT: 10.98 min Scan# 1343
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.2	9.0	13.6
127	15.4	11.4	17.2

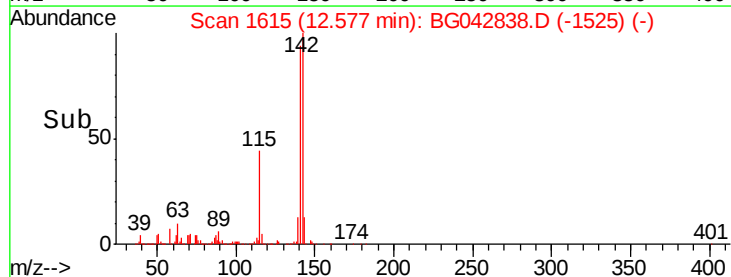
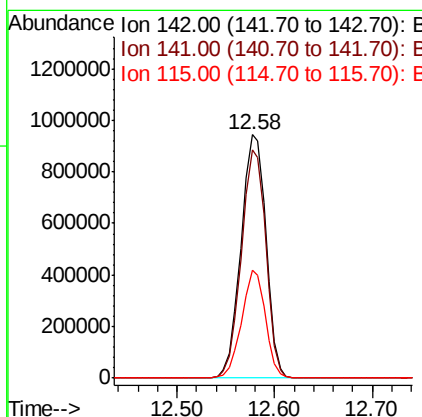
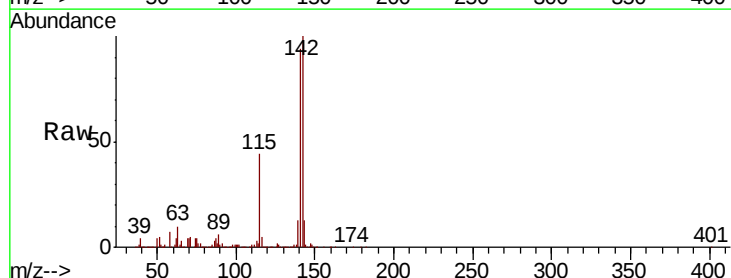
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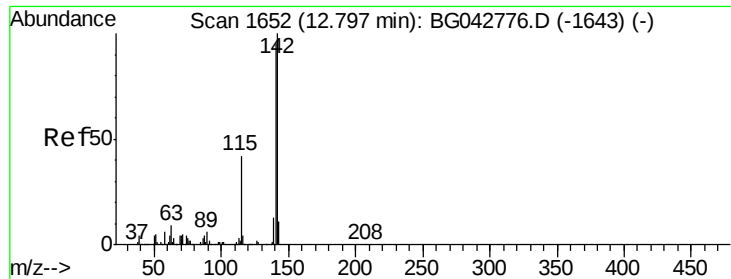
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#37
2-Methylnaphthalene
Concen: 98.570 ng
RT: 12.58 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	73.8	110.8
115	44.1	33.0	49.4





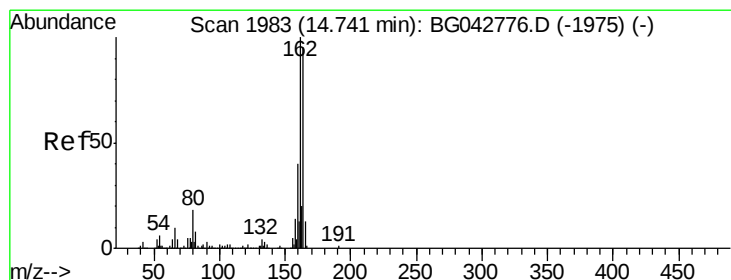
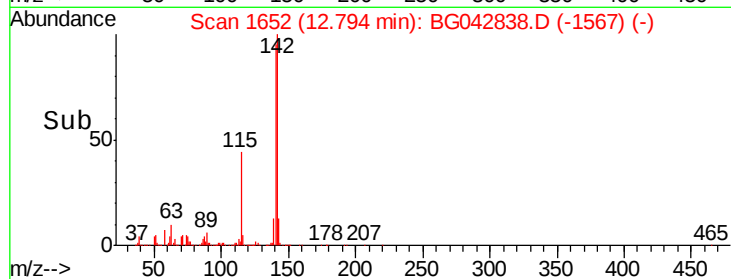
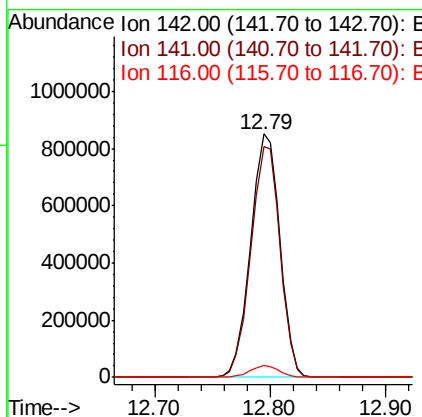
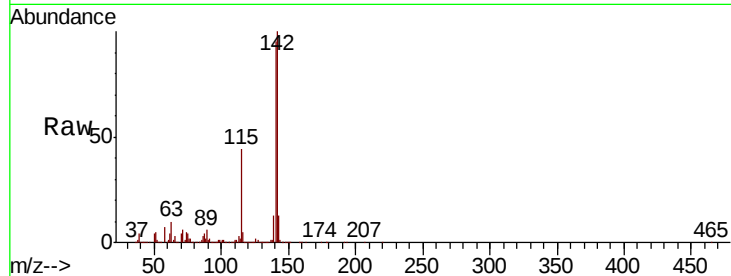
#38
1-Methylnaphthalene
Concen: 93.676 ng
RT: 12.79 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.9	76.3	114.5
116	4.7	3.4	5.0

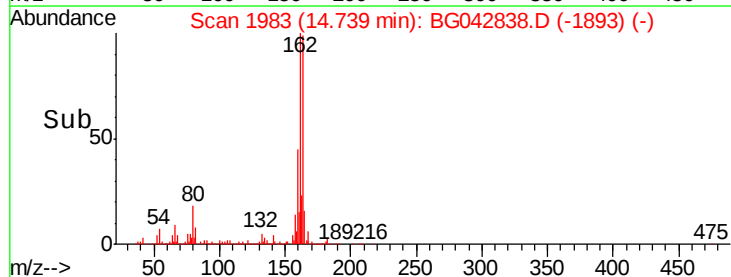
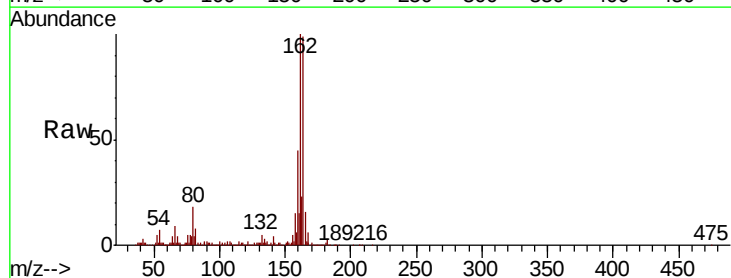
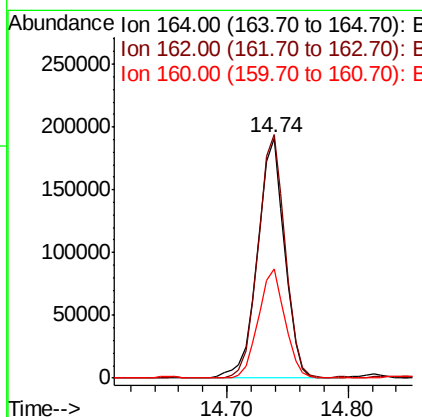
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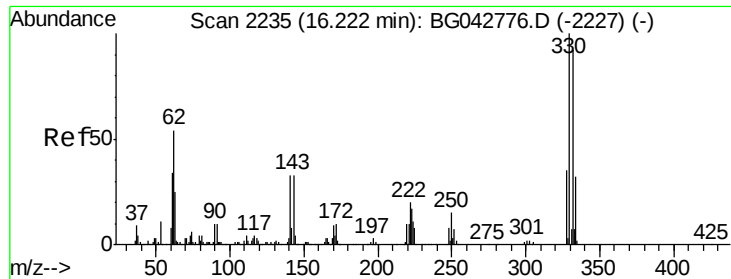
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	84.6	126.8
160	45.6	34.2	51.2





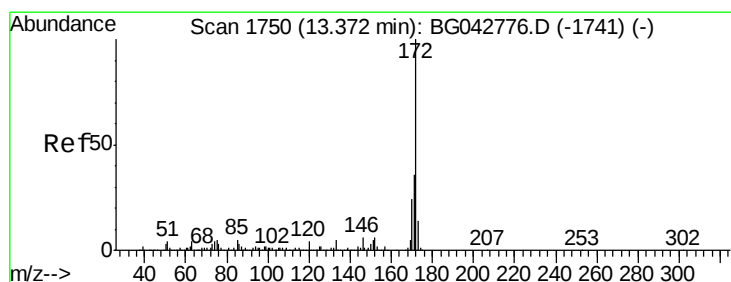
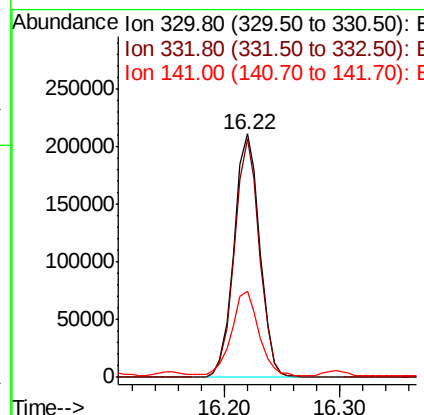
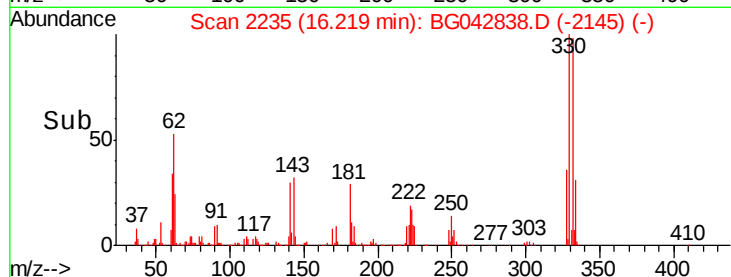
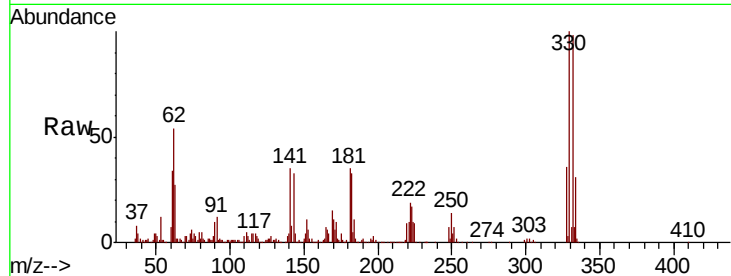
#42
 2,4,6-Tribromophenol
 Concen: 82.282 ng
 RT: 16.22 min Scan# 2235
 Delta R.T. -0.00 min
 Lab File: BG042838.D
 Acq: 14 Sep 2019 6:37

Instrument :
 BNA_G
 ClientSampleId :
 SB-22-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.7	115.1
141	36.6	27.0	40.6

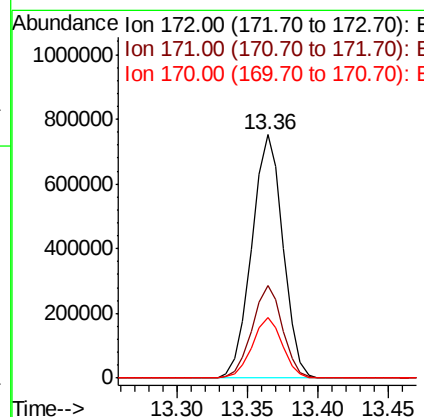
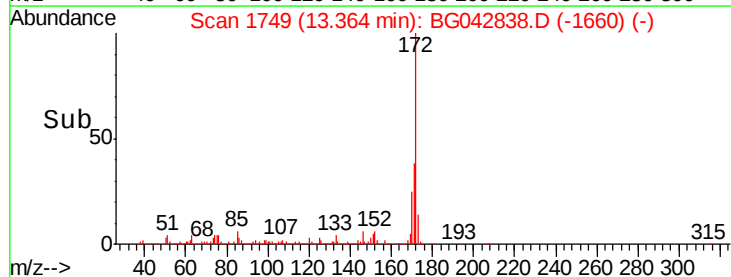
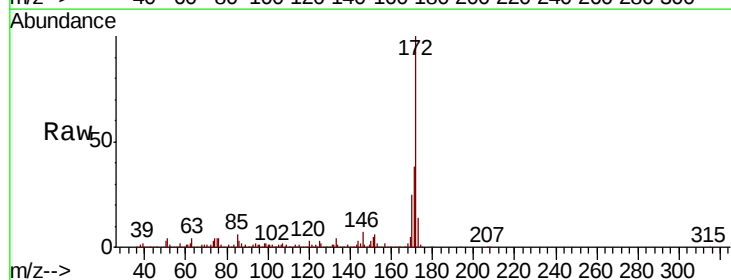
Manual Integrations
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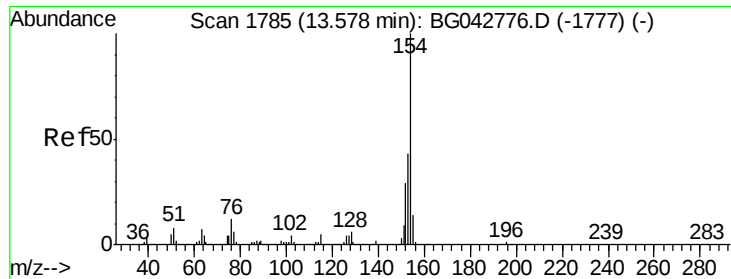
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#45
 2-Fluorobiphenyl
 Concen: 62.311 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042838.D
 Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	28.9	43.3
170	25.1	19.1	28.7





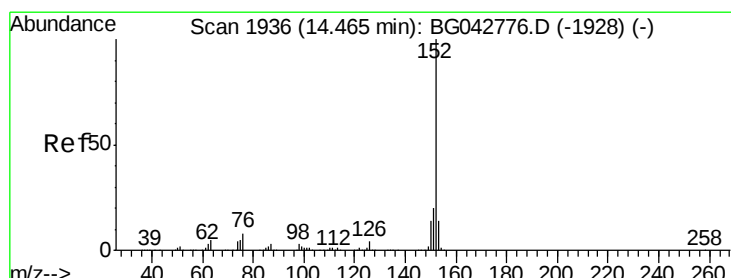
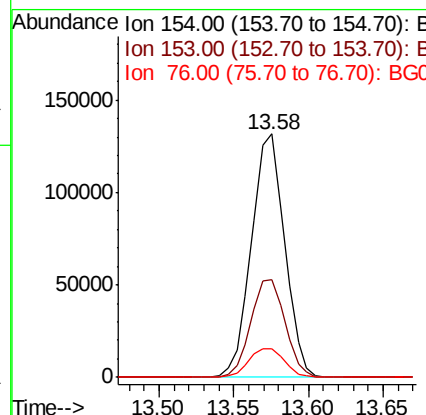
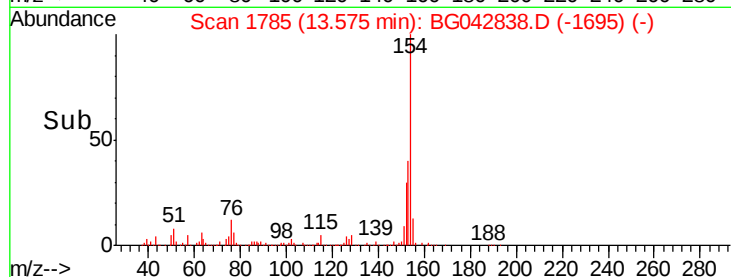
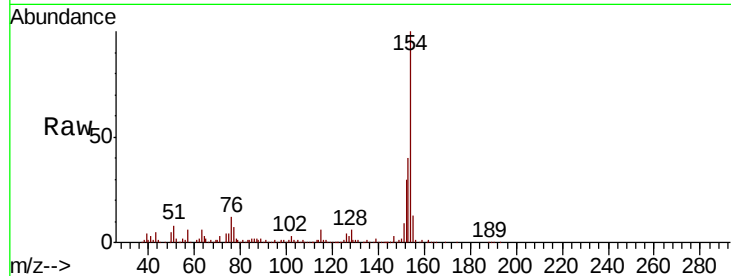
#46
1,1'-Biphenyl
Concen: 9.705 ng
RT: 13.58 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.2	22.6	62.6	
76	11.8	0.0	32.2	

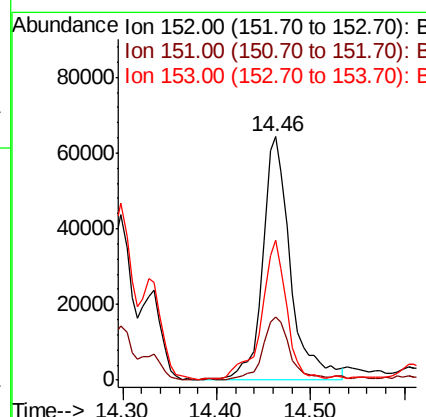
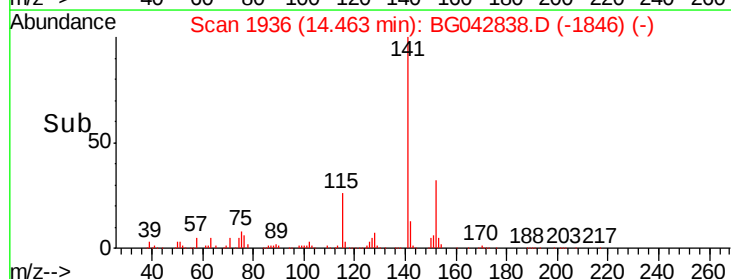
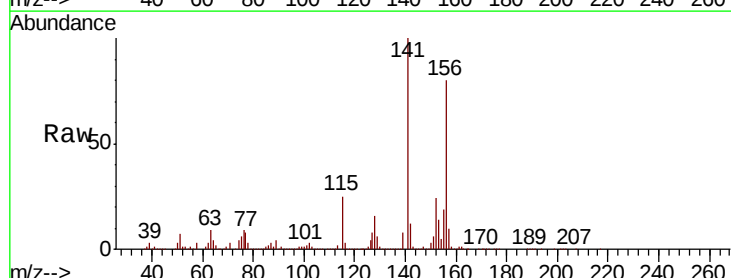
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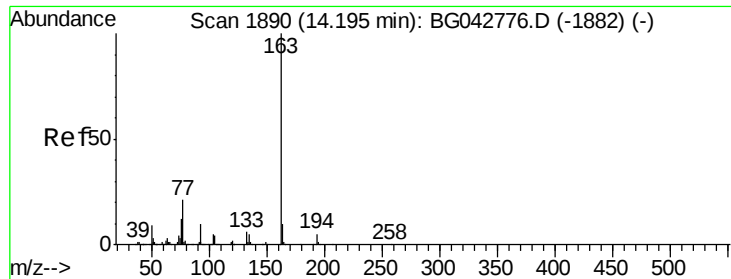
mohammad
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#49
Acenaphthylene
Concen: 4.947 ng
RT: 14.46 min Scan# 1936
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	25.9	16.0	24.0#	
153	57.6	11.4	17.0#	





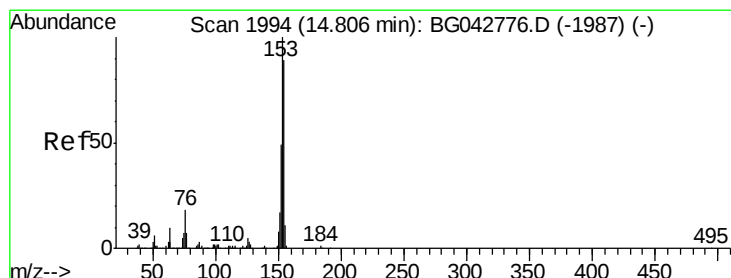
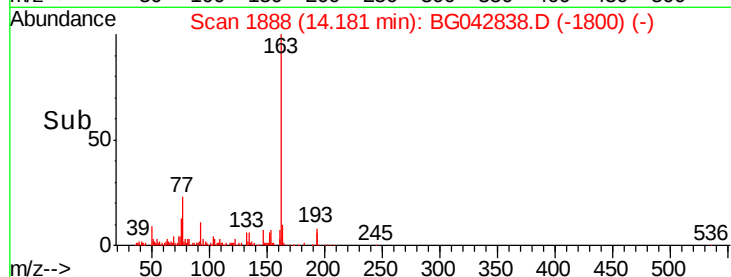
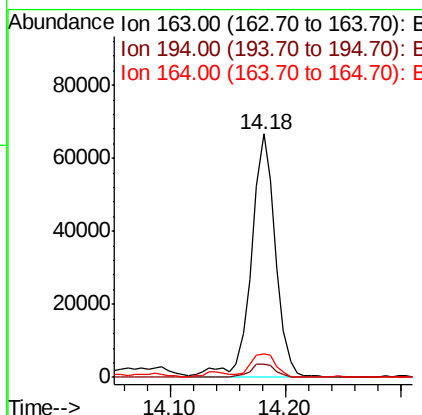
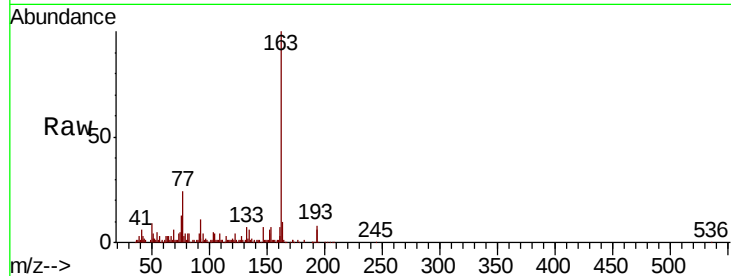
#50
Dimethylphthalate
Concen: 4.371 ng
RT: 14.18 min Scan# 1888
Delta R.T. -0.01 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.6	4.2	6.4
164	9.9	8.4	12.6

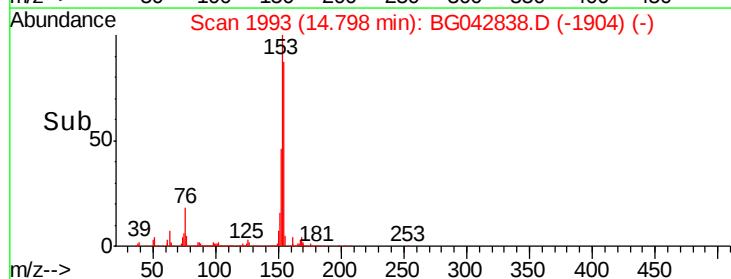
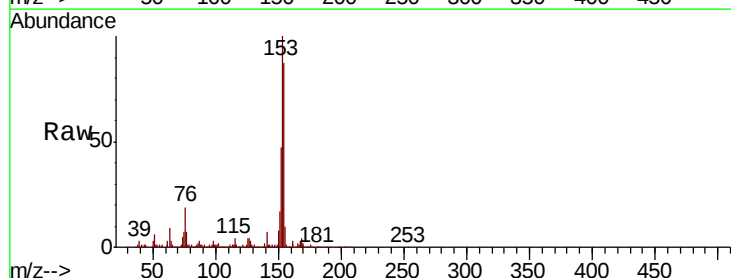
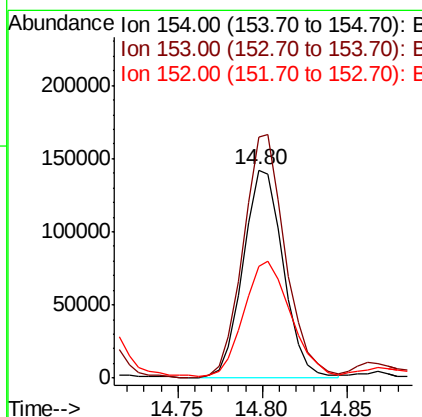
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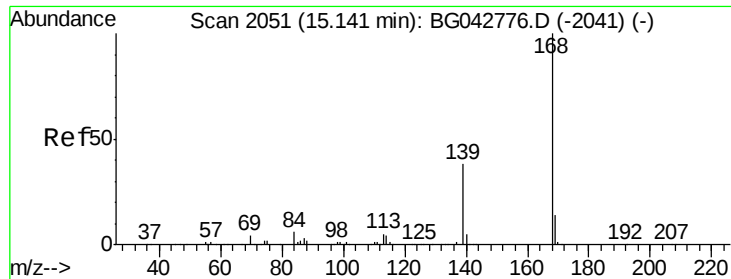
mohammad
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#52
Acenaphthene
Concen: 13.675 ng
RT: 14.80 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	89.4	134.2
152	53.9	43.5	65.3





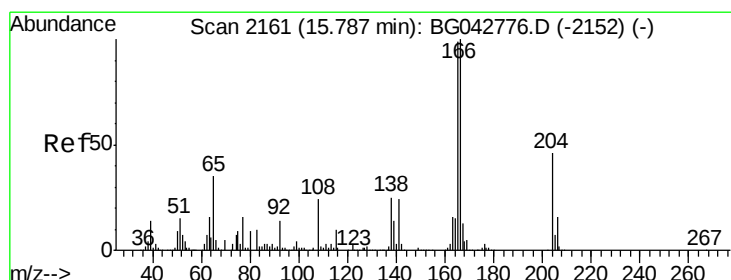
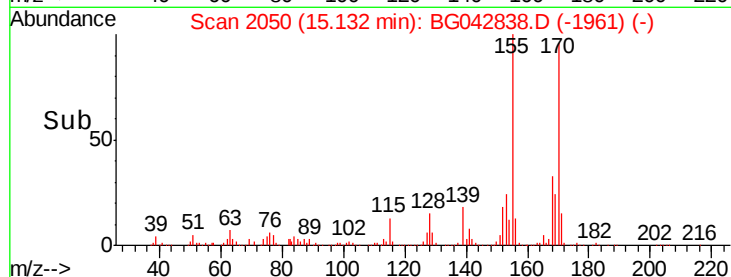
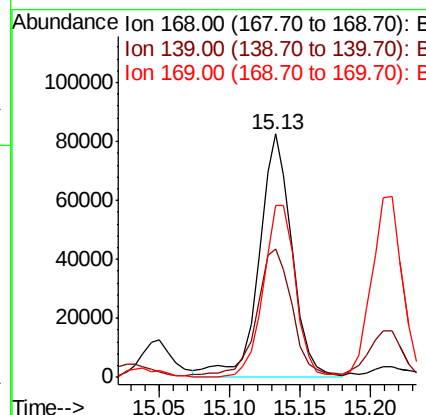
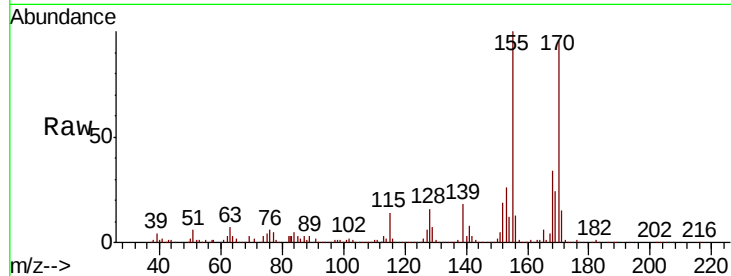
#55
Dibenzofuran
Concen: 5.250 ng
RT: 15.13 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampled :
SB-22-COMP

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	52.6	30.2	45.4#	
169	70.5	11.2	16.8#	

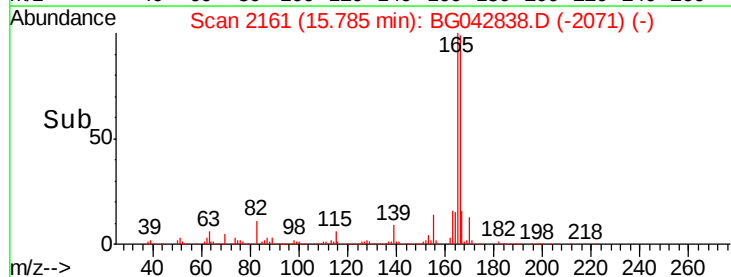
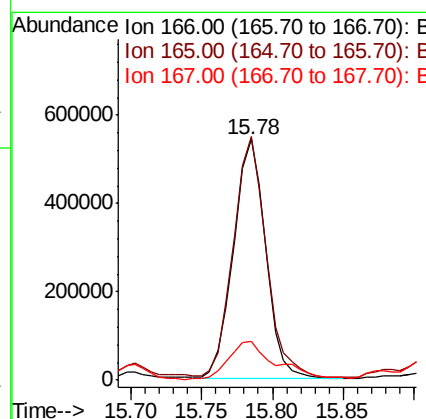
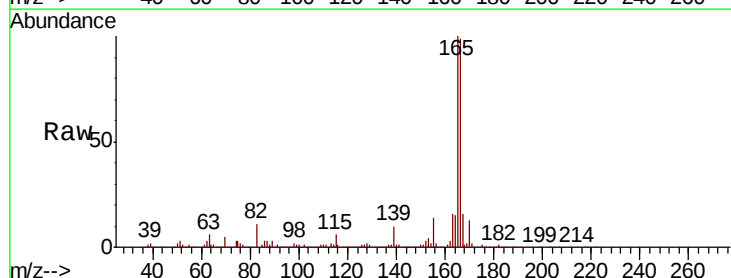
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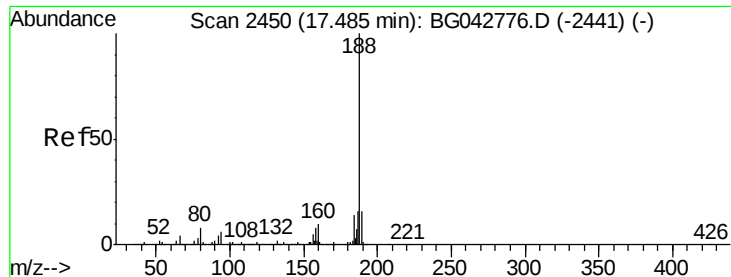
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#58
Fluorene
Concen: 40.769 ng
RT: 15.78 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	101.2	79.1	118.7	
167	16.3	10.7	16.1#	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Instrument :

BNA_G

ClientSampleId :

SB-22-COMP

Tot Ion:188 Resp: 580428

Ion Ratio Lower Upper

188 100

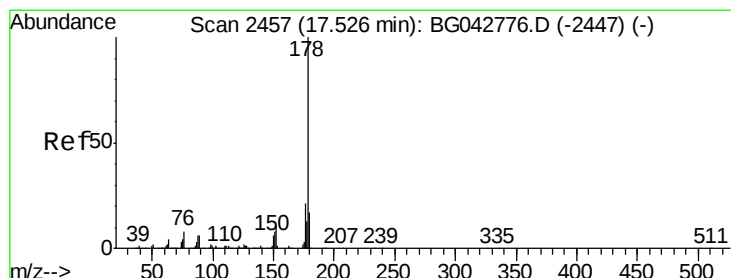
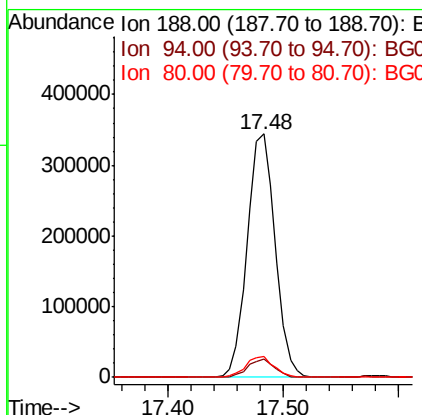
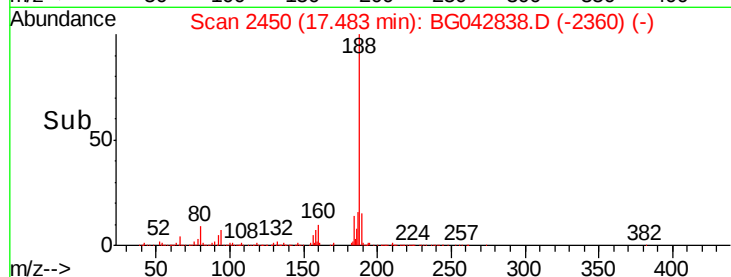
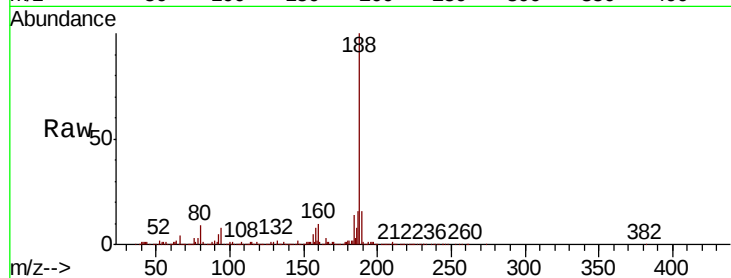
94 7.5 4.8 7.2#

80 8.6 6.6 9.8

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#71

Phenanthrene

Concen: 125.016 ng m

RT: 17.53 min Scan# 2458

Delta R.T. 0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

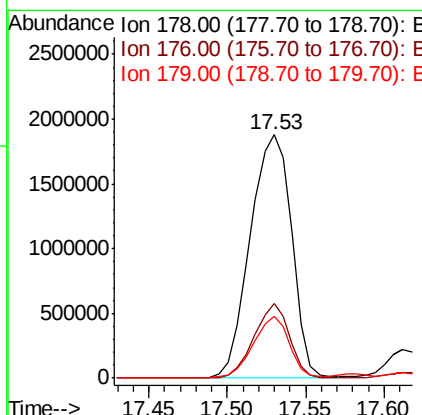
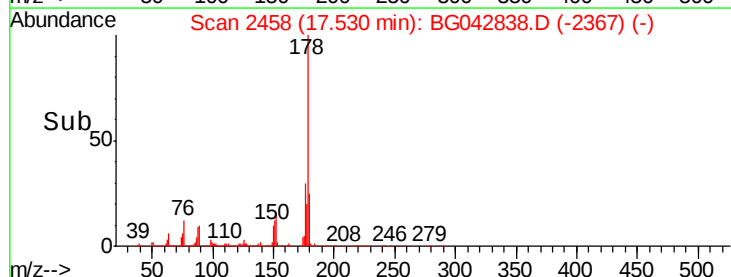
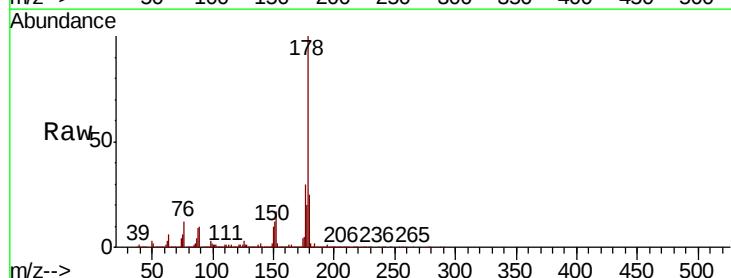
Tgt Ion:178 Resp: 3470232

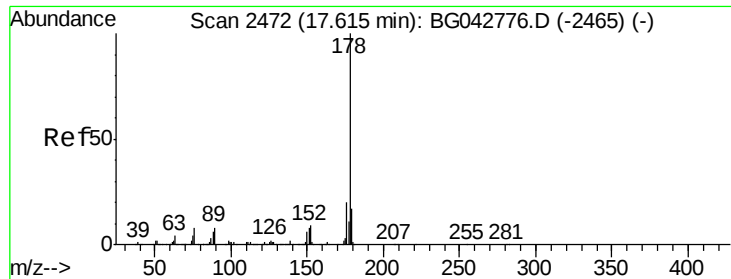
Ion Ratio Lower Upper

178 100

176 30.5 17.0 25.4#

179 25.4 13.6 20.4#





#72

Anthracene

Concen: 11.560 ng

RT: 17.61 min Scan# 2472

Delta R.T. -0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Instrument :

BNA_G

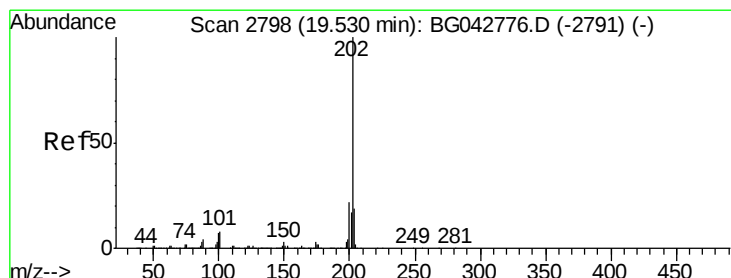
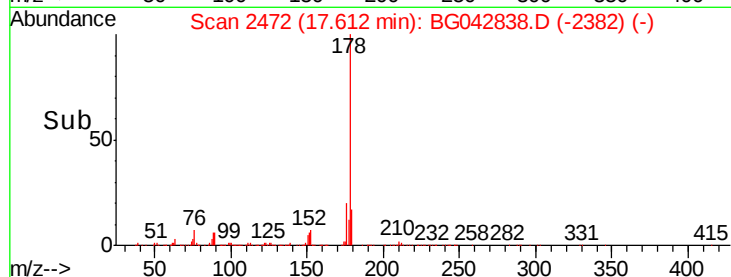
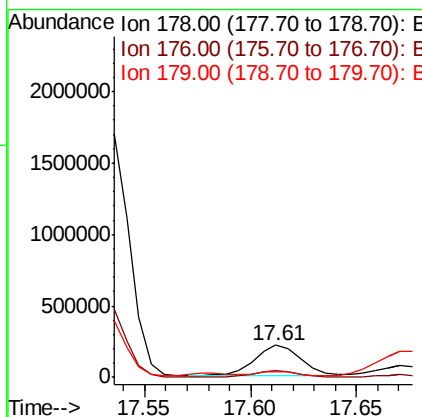
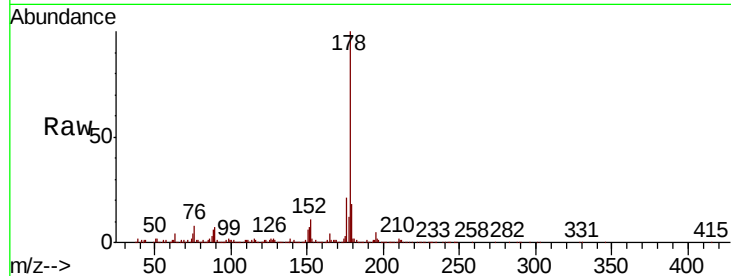
ClientSampleId :

SB-22-COMP

Tot Ion:	178	Resp:	320593
Ion Ratio	Lower	Upper	
178	100		
176	20.5	16.2	24.4
179	18.1	13.6	20.4

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#75

Fluoranthene

Concen: 54.573 ng

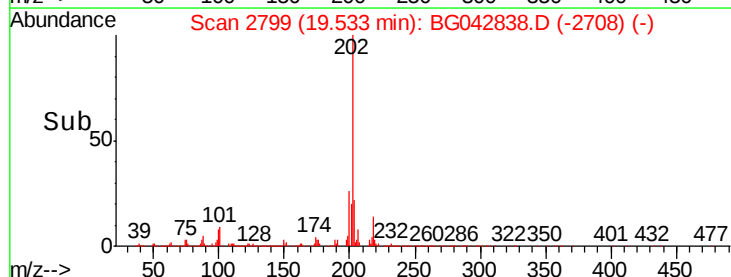
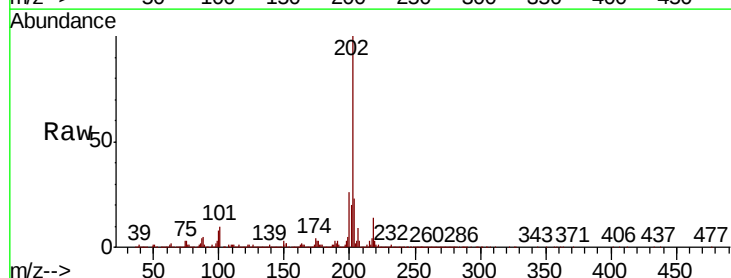
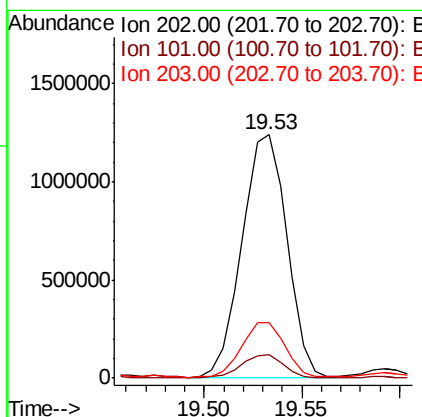
RT: 19.53 min Scan# 2799

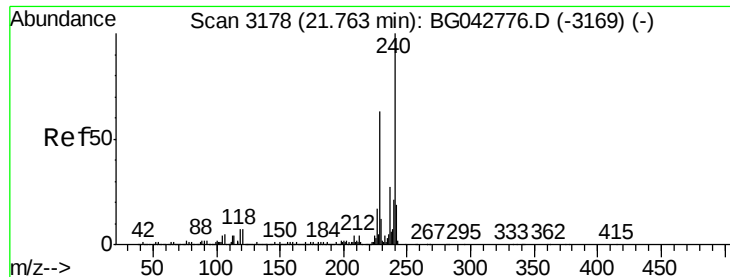
Delta R.T. 0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Tgt Ion:	202	Resp:	1963299
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	27.8
203	22.6	0.0	39.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Instrument :

BNA_G

ClientSampleId :

SB-22-COMP

Tot Ion:240 Resp: 530848

Ion Ratio Lower Upper

240 100

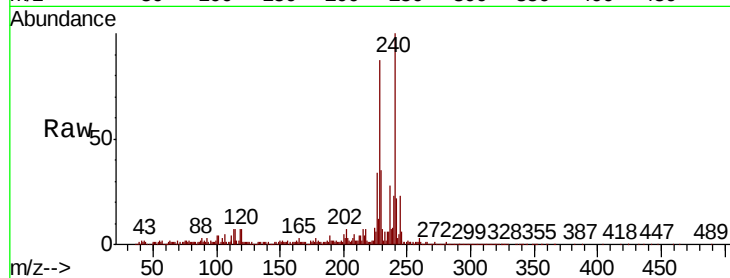
120 7.3 5.4 8.2

236 27.9 21.7 32.5

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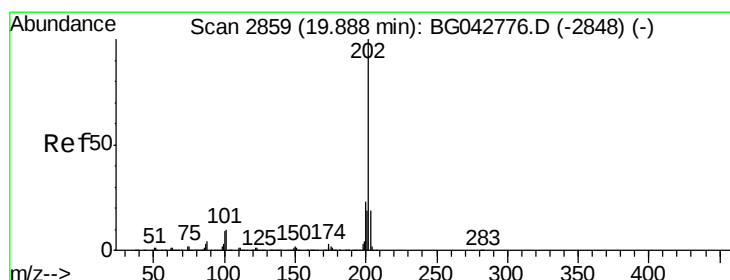
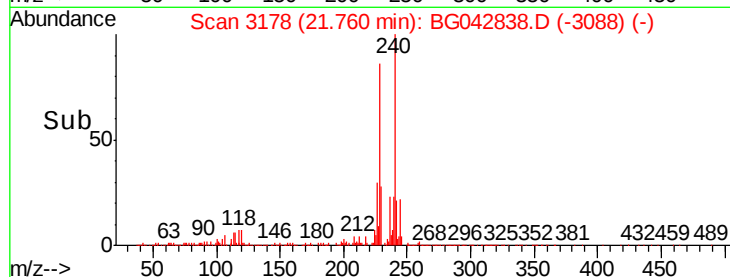
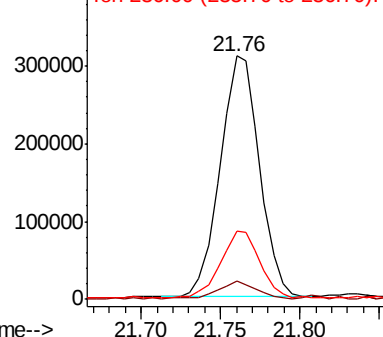


Abundance

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



#78

Pyrene

Concen: 92.545 ng m

RT: 19.89 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

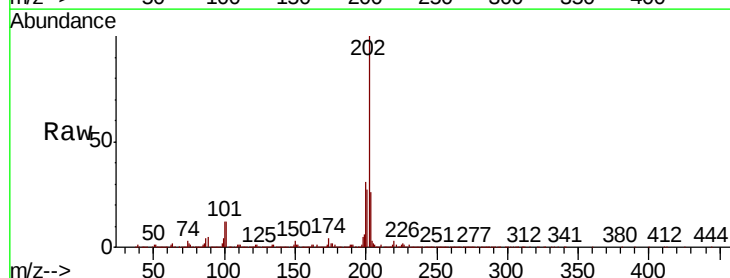
Tgt Ion:202 Resp: 3075694

Ion Ratio Lower Upper

202 100

200 31.1 18.5 27.7#

203 26.4 15.3 22.9#

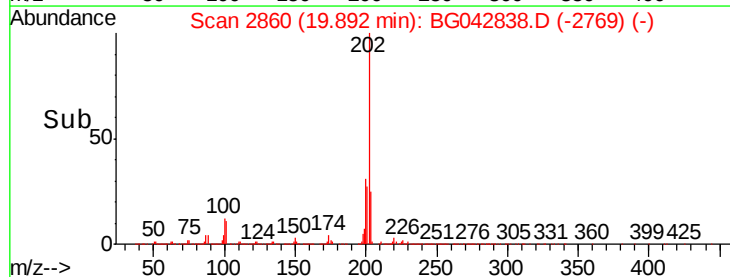
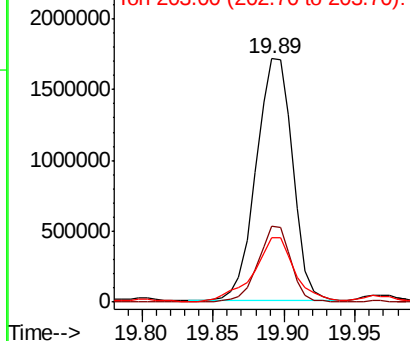


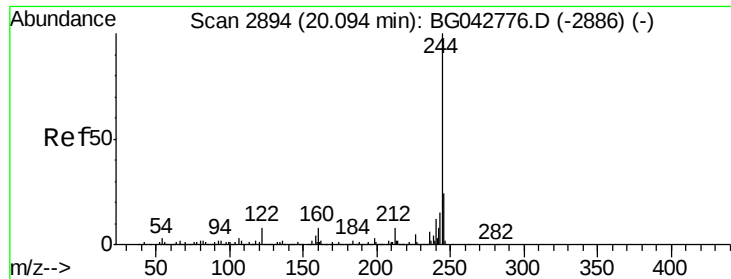
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.879 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Instrument :

BNA_G

ClientSampled :

SB-22-COMP

Tot Ion:244 Resp: 1506092

Ion Ratio Lower Upper

244 100

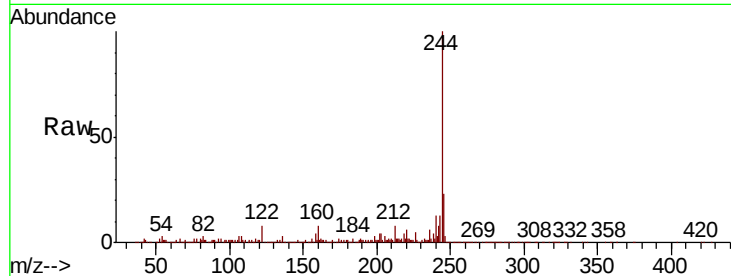
212 8.4 6.6 10.0

122 8.4 6.2 9.4

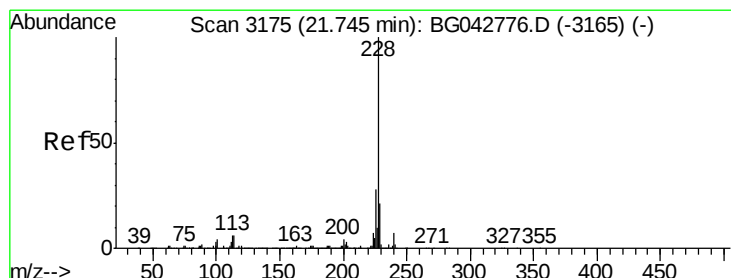
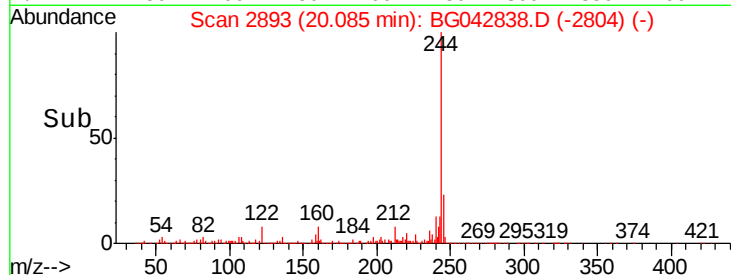
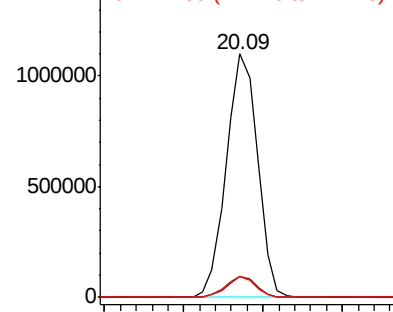
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Abundance Ion 244.00 (243.70 to 244.70): E
1500000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 41.808 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

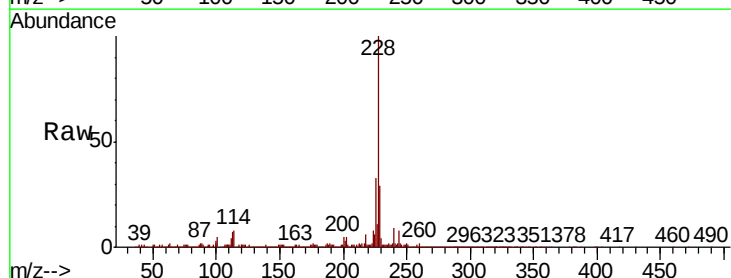
Tgt Ion:228 Resp: 1411101

Ion Ratio Lower Upper

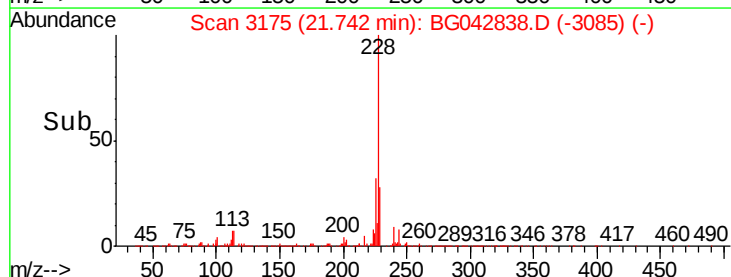
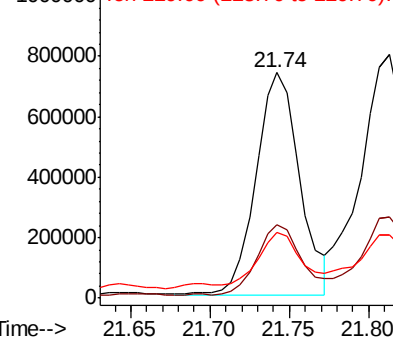
228 100

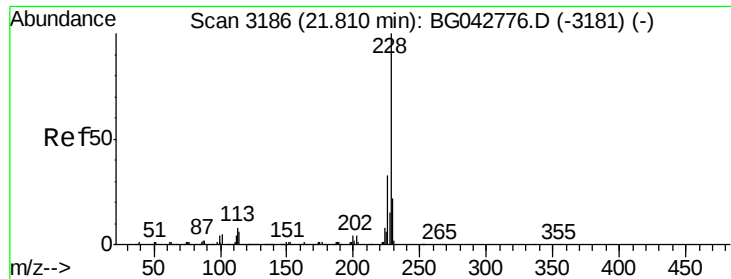
226 32.6 22.5 33.7

229 29.2 17.2 25.8#



Abundance Ion 228.00 (227.70 to 228.70): E
1000000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 49.420 ng

RT: 21.81 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Instrument :

BNA_G

ClientSampleId :

SB-22-COMP

Tot Ion:228 Resp: 1579993

Ion Ratio Lower Upper

228 100

226 33.5 26.0 39.0

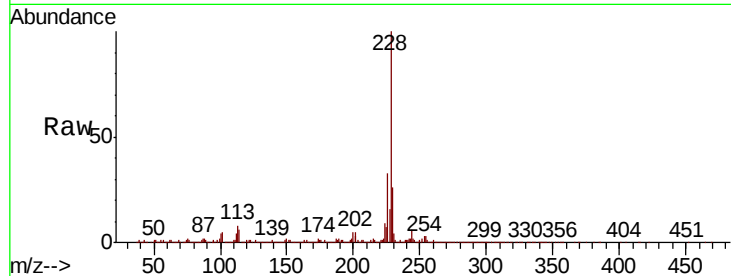
229 26.1 17.1 25.7#

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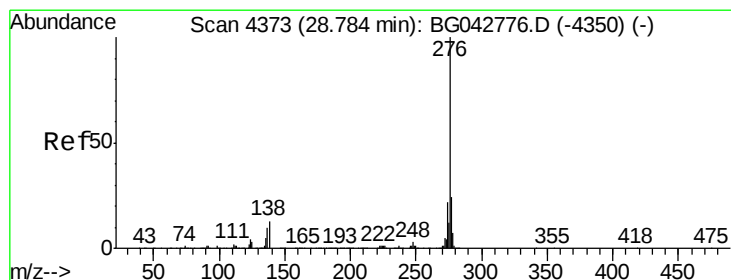
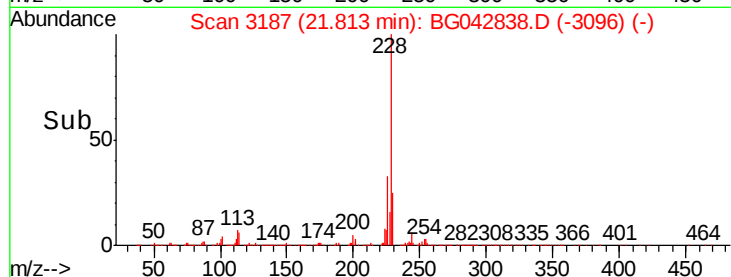
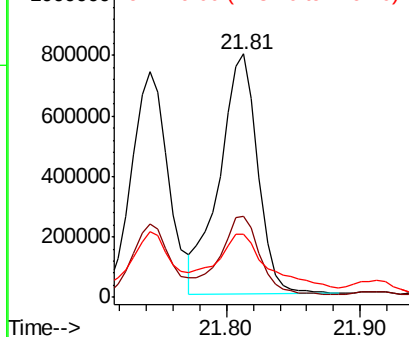
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 13.187 ng

RT: 28.78 min Scan# 4373

Delta R.T. -0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

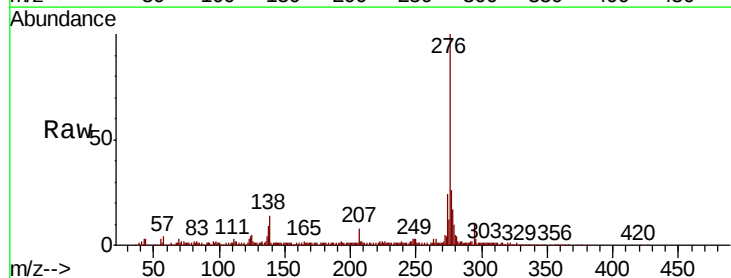
Tgt Ion:276 Resp: 522080

Ion Ratio Lower Upper

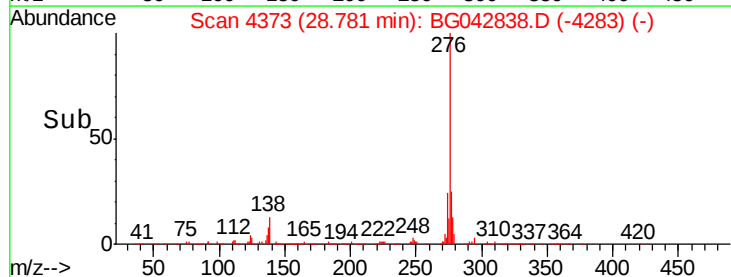
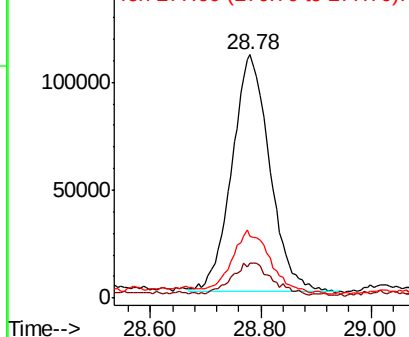
276 100

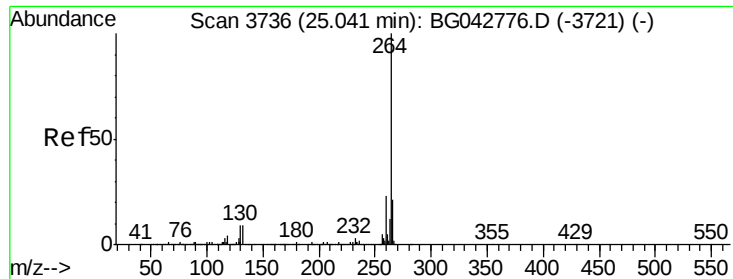
138 13.9 9.3 13.9

277 26.6 17.2 25.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3736

Delta R.T. -0.00 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Instrument :

BNA_G

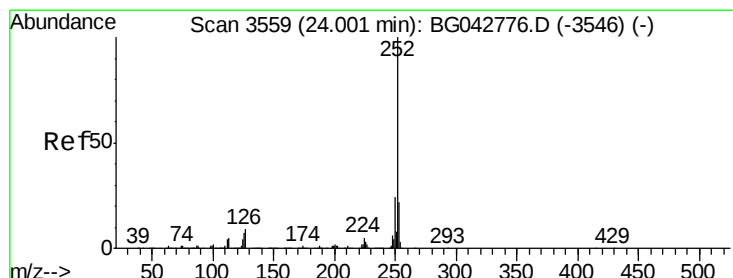
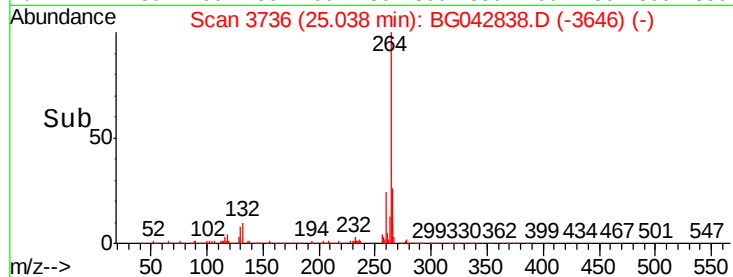
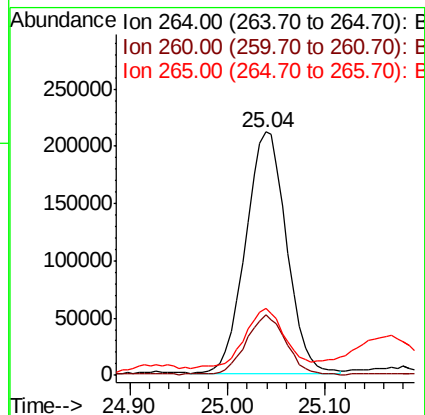
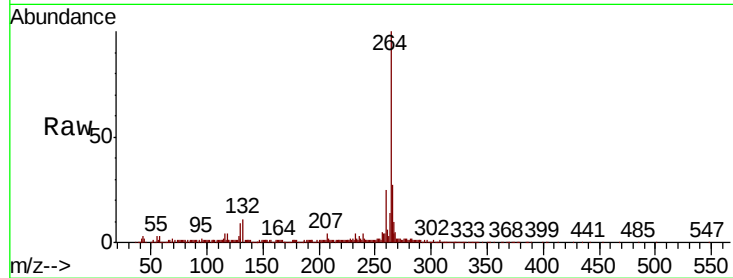
ClientSampleId :

SB-22-COMP

Tot Ion:	264	Resp:	617964
Ion Ratio	Lower	Upper	
264	100		
260	25.1	18.2	27.2
265	27.4	16.9	25.3#

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#88

Benzo(b)fluoranthene

Concen: 27.269 ng

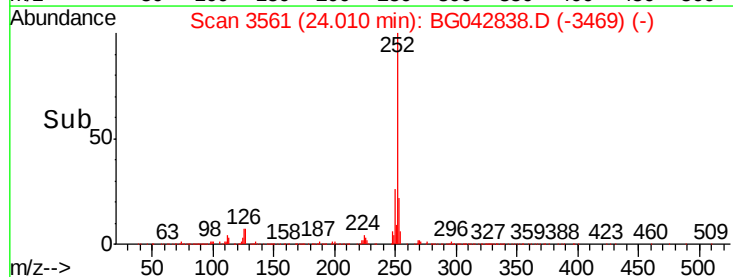
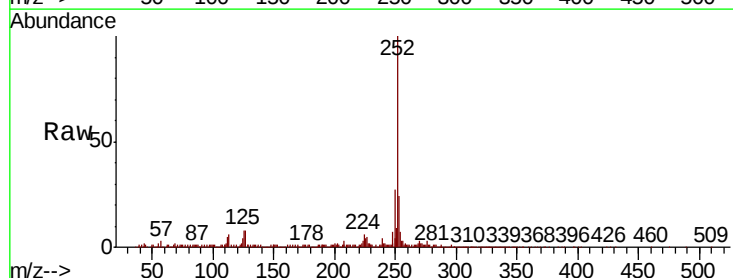
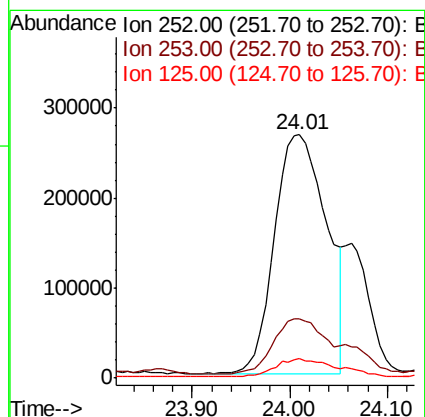
RT: 24.01 min Scan# 3561

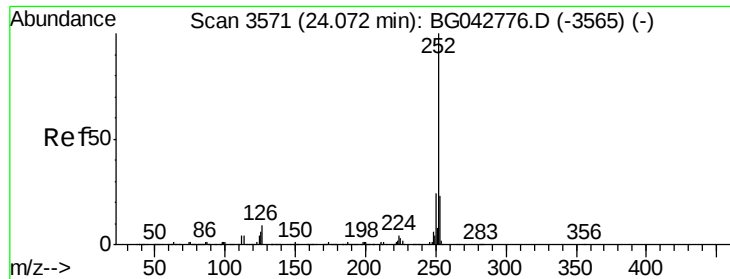
Delta R.T. 0.01 min

Lab File: BG042838.D

Acq: 14 Sep 2019 6:37

Tgt Ion:	252	Resp:	989459
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	8.0	5.6	8.4





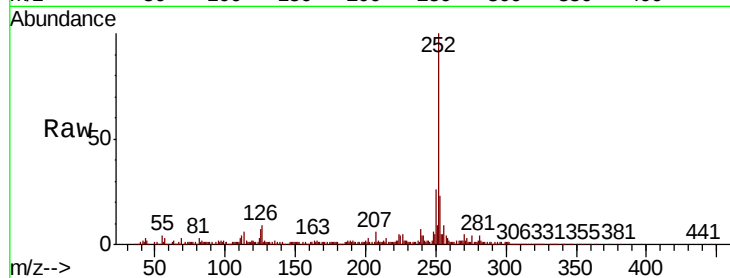
#89
Benzo(k)fluoranthene
Concen: 7.744 ng m
RT: 24.06 min Scan# 3570
Delta R.T. -0.01 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Instrument :
BNA_G
ClientSampleId :
SB-22-COMP

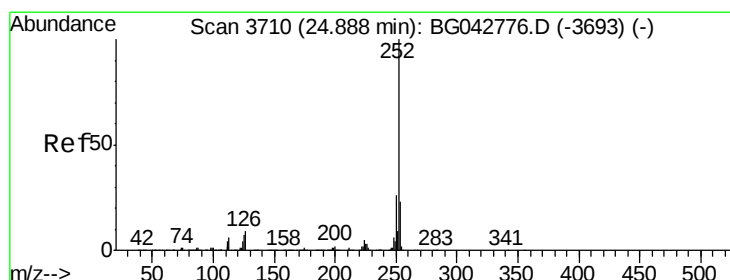
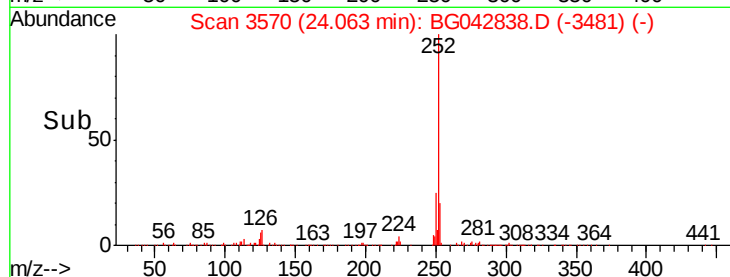
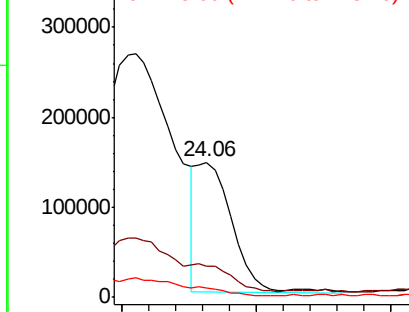
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	6.8	5.3	7.9

Manual Integrations
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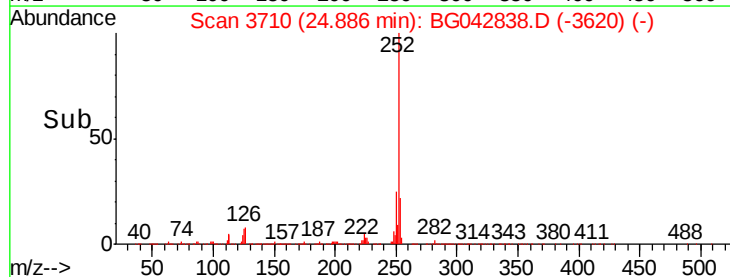
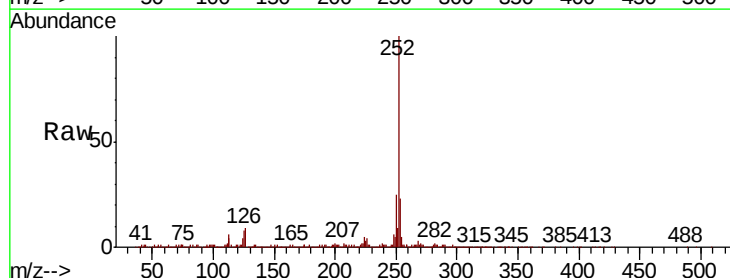
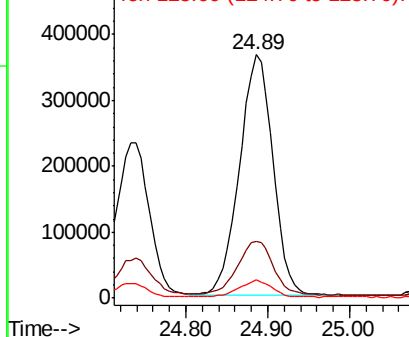
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

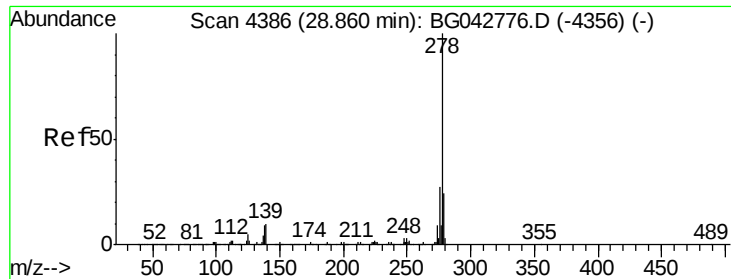


#90
Benzo(a)pyrene
Concen: 30.747 ng
RT: 24.89 min Scan# 3710
Delta R.T. -0.00 min
Lab File: BG042838.D
Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	7.5	5.7	8.5

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





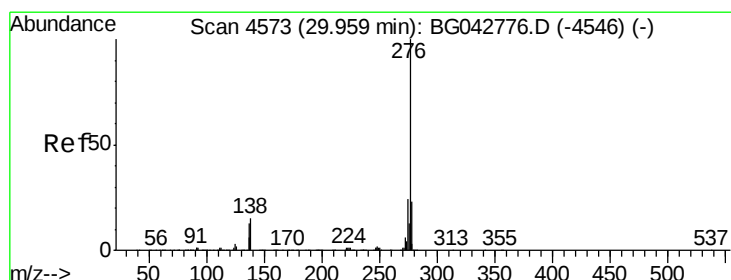
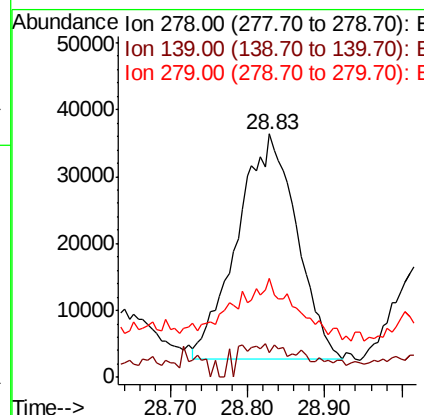
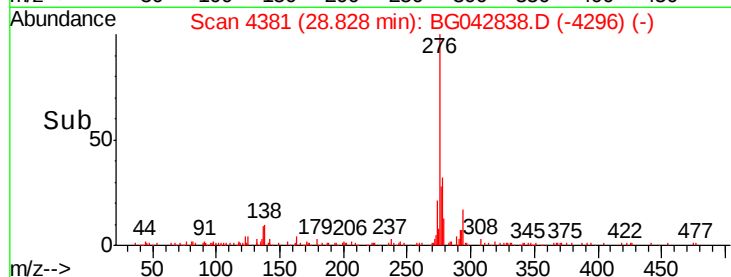
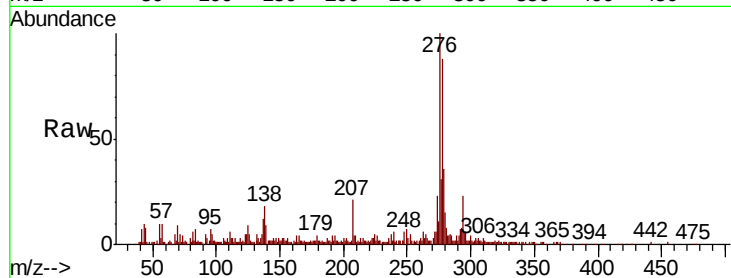
#91
 Dibenzo(a,h)anthracene
 Concen: 5.395 ng
 RT: 28.83 min Scan# 4381
 Delta R.T. -0.03 min
 Lab File: BG042838.D
 Acq: 14 Sep 2019 6:37

Instrument :
 BNA_G
 ClientSampleId :
 SB-22-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.2	12.2
279	40.5	19.4	29.2

Manual Integrations
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#92
 Benzo(g,h,i)perylene
 Concen: 18.645 ng
 RT: 29.95 min Scan# 4572
 Delta R.T. -0.01 min
 Lab File: BG042838.D
 Acq: 14 Sep 2019 6:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.4	27.6
138	13.1	11.8	17.8

