

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
 Data File : BG041903.D
 Acq On : 3 Aug 2019 10:48
 Operator : HP/JU
 Sample : K3850-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1

Manual Integrations
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mohammad
 8/6/2019 12:17:45 PM

Quant Time: Aug 06 11:02:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Aug 04 00:02:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	118816	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	486794	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	320438	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	620753	20.00	ng/ul	0.00
77) Chrysene-d12	21.75	240	640081	20.00	ng/ul	0.03
85) Perylene-d12	25.03	264	762564	20.00	ng/ul	0.05

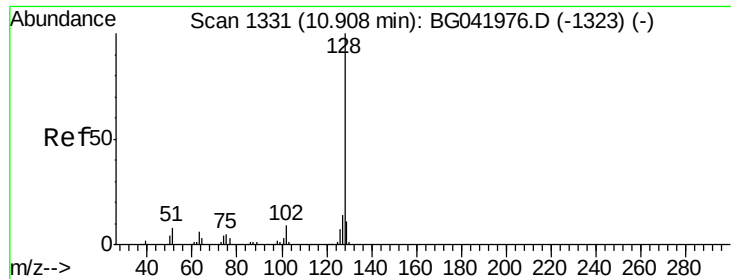
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	1003	0.37	ng/uL	0.00
5) Phenol-d5	7.19	99	8695	0.93	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	16160	3.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	15754	1.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.75	113	6591	0.84	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	13216	3.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	12574	2.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	19635	2.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	11291	1.18	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	88283	3.55	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	106065	3.74	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	2780m	0.67	ng/ul	0.03
57) Fluorene-d10	15.69	176	79138	3.58	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.83	200	1167m	0.29	ng/ul	0.03
70) Anthracene-d10	17.55	188	124997m	4.20	ng/ul	0.02
78) Pyrene-d10	19.84	212	140890	3.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.81	264	148069	3.72	ng/ul	0.05

Target Compounds

					Qvalue	
28) Naphthalene	10.91	128	584720	23.495	ng/ul	99
34) 2-Methylnaphthalene	12.52	142	556920	28.155	ng/ul	98
40) 1,1'-Biphenyl	13.52	154	97899	4.202	ng/ul	99
49) Acenaphthene	14.76	153	735575	36.714	ng/ul	98
53) Dibenzofuran	15.09	168	146508	4.900	ng/ul	91
58) Fluorene	15.74	166	616998	25.618	ng/ul#	99
69) Phenanthrene	17.51	178	4349148	127.979	ng/ul#	46
71) Anthracene	17.59	178	1643471	47.682	ng/ul#	92
74) Carbazole	17.85	167	135828	4.757	ng/ul	95
76) Fluoranthene	19.52	202	3551008	90.437	ng/ul#	81
79) Pyrene	19.88	202	4731305	109.888	ng/ul#	63
82) Benzo(a)anthracene	21.73	228	3558612	80.185	ng/ul#	71
84) Chrysene	21.80	228	3727965	90.000	ng/ul#	71
87) Benzo(b)fluoranthene	24.01	252	3229298	67.481	ng/ul	92
88) Benzo(k)fluoranthene	24.06	252	1221286m	26.543	ng/ul	
90) Benzo(a)pyrene	24.89	252	3197362	70.115	ng/ul#	91
91) Indeno(1,2,3-cd)pyrene	28.79	276	1168055	21.960	ng/ul	95
92) Dibenzo(a,h)anthracene	28.83	278	448927	10.347	ng/ul#	91
93) Benzo(g,h,i)perylene	29.96	276	1161393	26.153	ng/ul	97

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



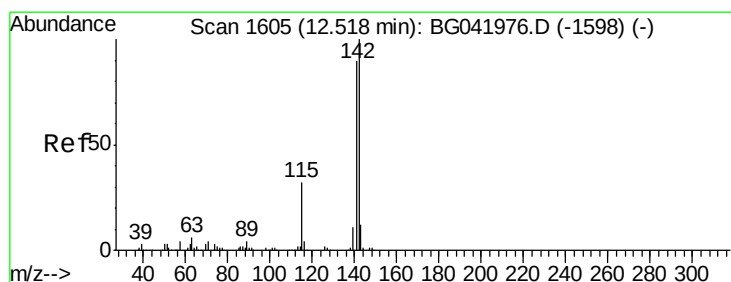
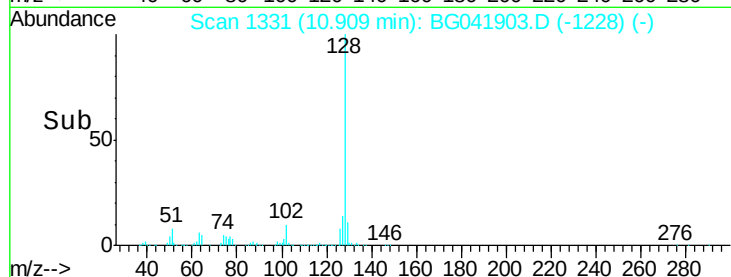
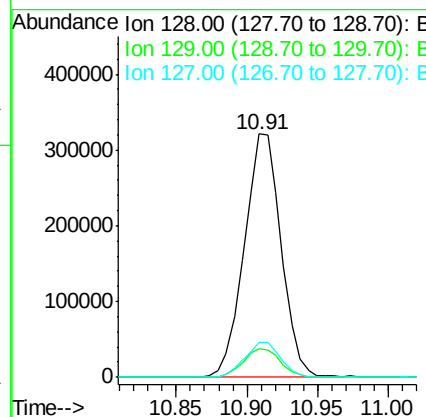
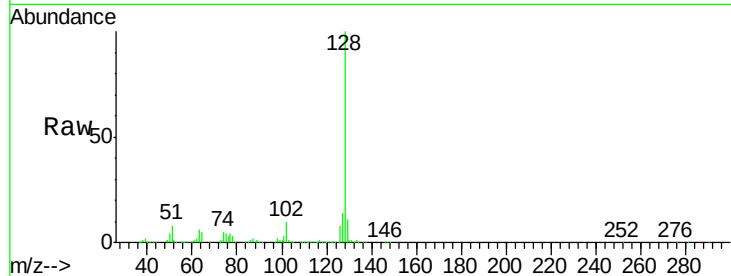
#28
Naphthalene
Concen: 23.495 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041903.D
Acq: 3 Aug 2019 10:48

Instrument :
BNA_G
ClientSampleId :
BENQ1

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	584720		
129	11.5	9.5	14.3	
127	14.4	11.4	17.0	

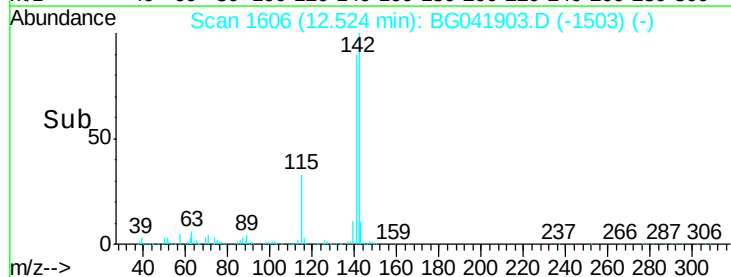
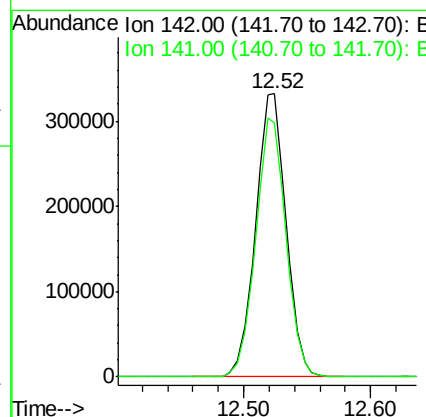
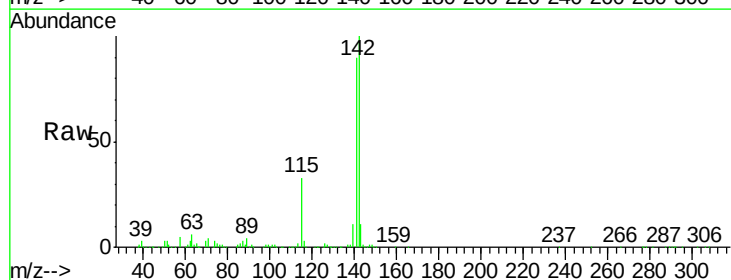
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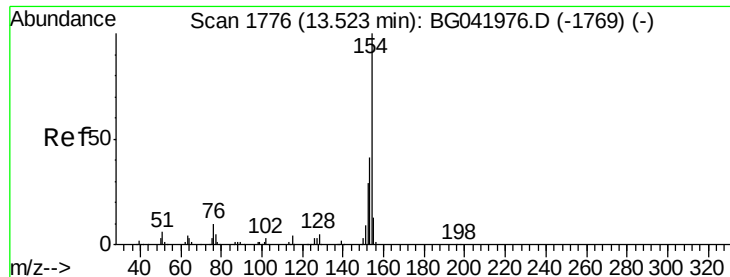
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#34
2-Methylnaphthalene
Concen: 28.155 ng/ul
RT: 12.52 min Scan# 1606
Delta R.T. 0.00 min
Lab File: BG041903.D
Acq: 3 Aug 2019 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	556920		
141	89.5	72.9	109.3	





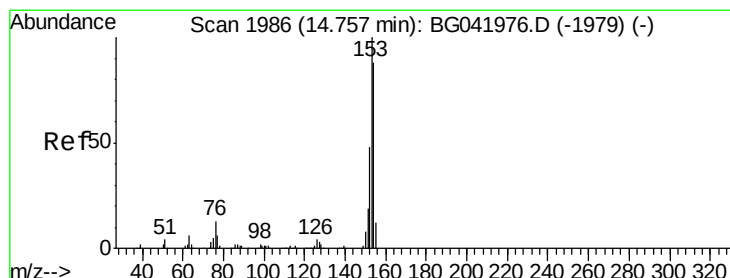
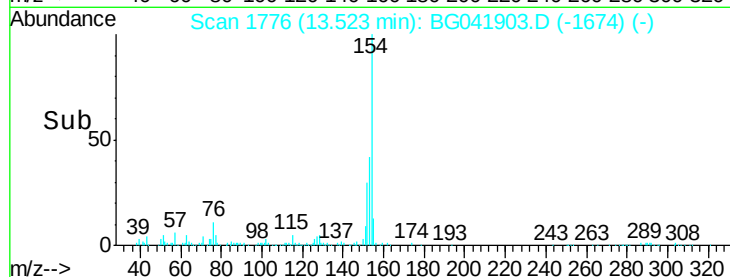
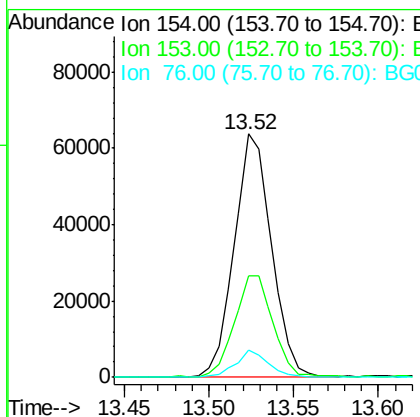
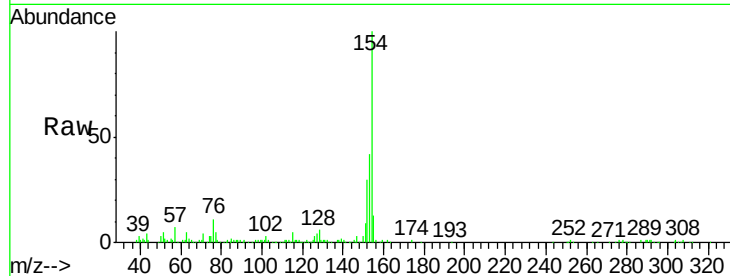
#40
 1,1'-Biphenyl
 Concen: 4.202 ng/ul
 RT: 13.52 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BG041903.D
 Acq: 3 Aug 2019 10:48

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1

Tgt Ion:	154	Resp:	97899
Ion Ratio	Lower	Upper	
154	100		
153	41.7	32.6	48.8
76	11.1	8.6	13.0

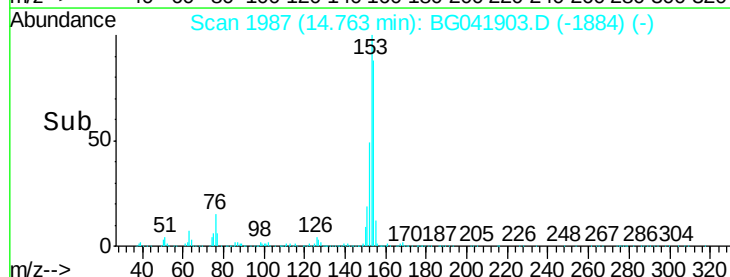
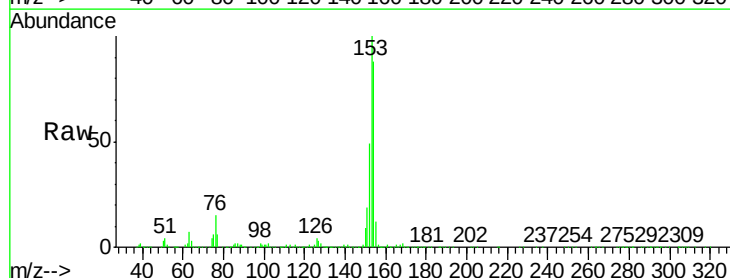
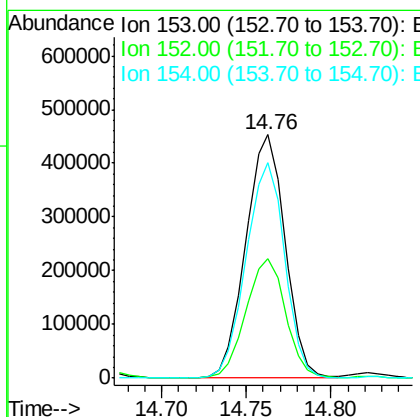
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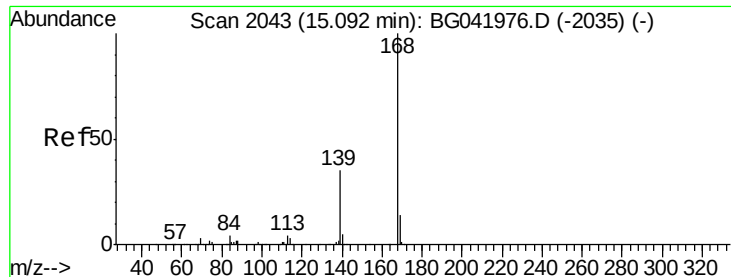
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#49
 Acenaphthene
 Concen: 36.714 ng/ul
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: BG041903.D
 Acq: 3 Aug 2019 10:48

Tgt Ion:	153	Resp:	735575
Ion Ratio	Lower	Upper	
153	100		
152	49.0	37.8	56.8
154	88.4	69.4	104.2





#53

Dibenzenofuran

Concen: 4.900 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Instrument :

BNA_G

ClientSampleId :

BENQ1

Tgt Ion:168 Resp: 146508

Ion Ratio Lower Upper

168 100

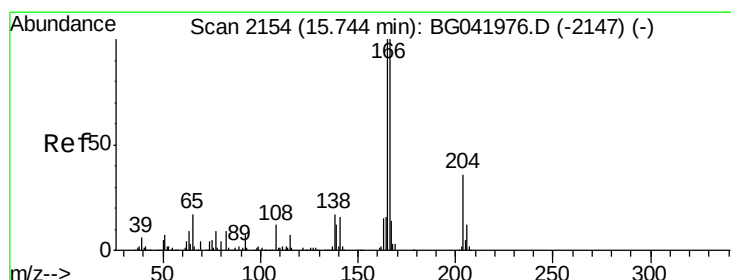
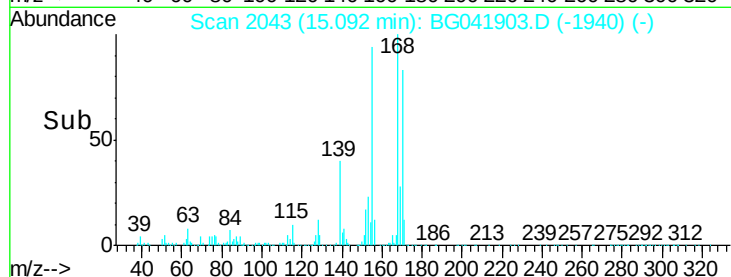
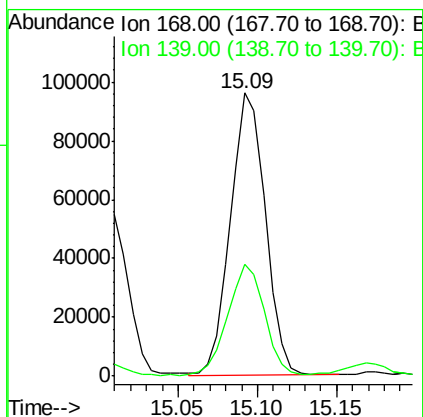
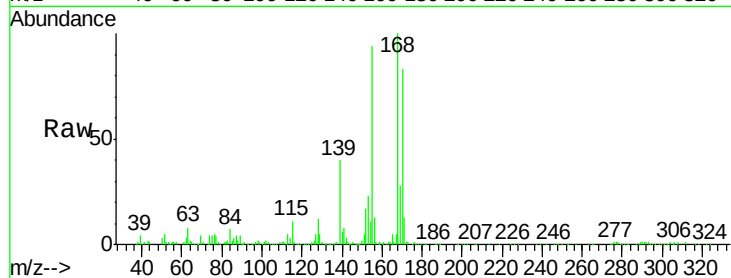
139 39.5 27.3 40.9

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#58

Fluorene

Concen: 25.618 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

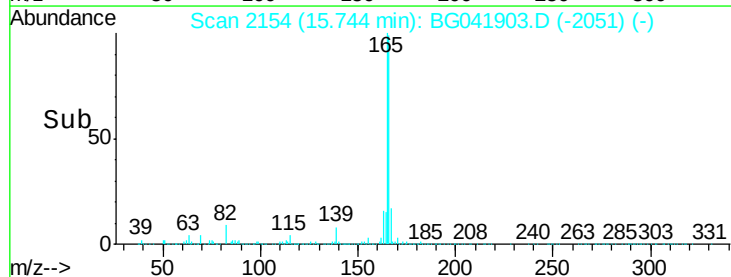
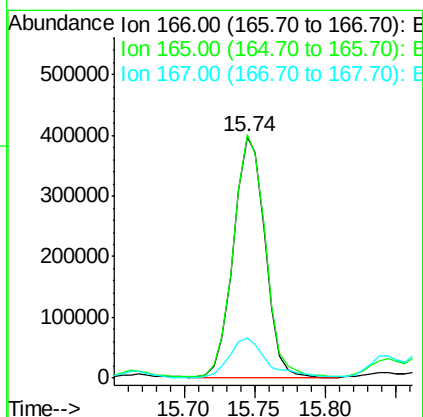
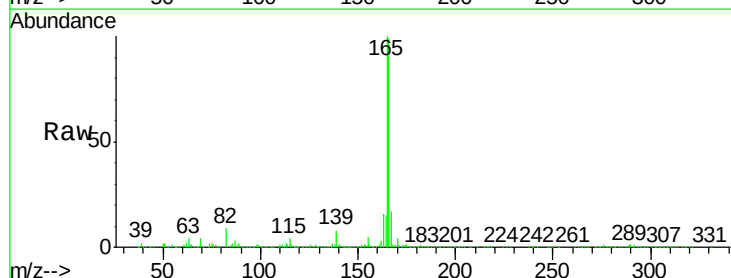
Tgt Ion:166 Resp: 616998

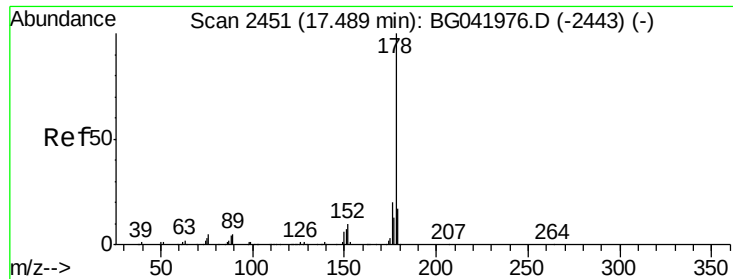
Ion Ratio Lower Upper

166 100

165 101.0 81.1 121.7

167 16.8 11.0 16.4#





#69

Phenanthrene

Concen: 127.979 ng/ul

RT: 17.51 min Scan# 2454

Delta R.T. 0.02 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Instrument :

BNA_G

ClientSampleId :

BENQ1

Tgt Ion:178 Resp: 4349148

Ion Ratio Lower Upper

178 100

179 37.6 12.8 19.2#

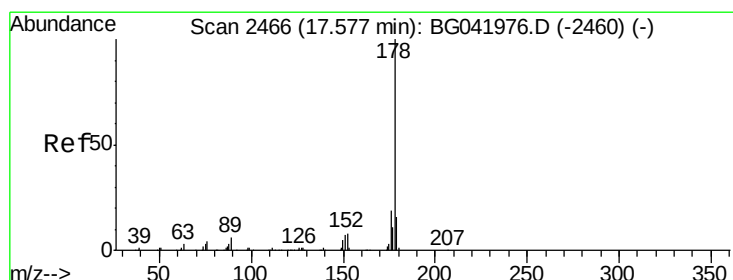
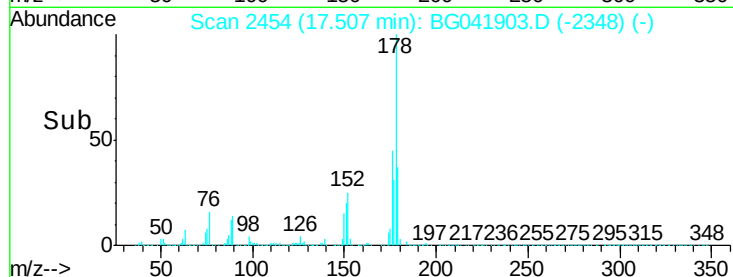
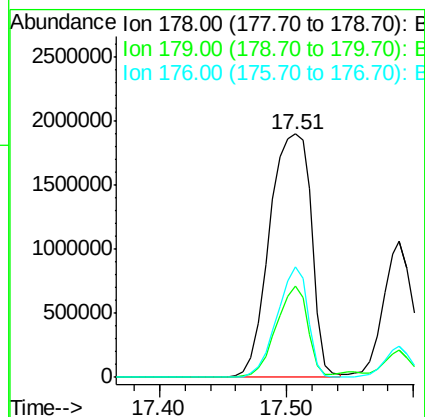
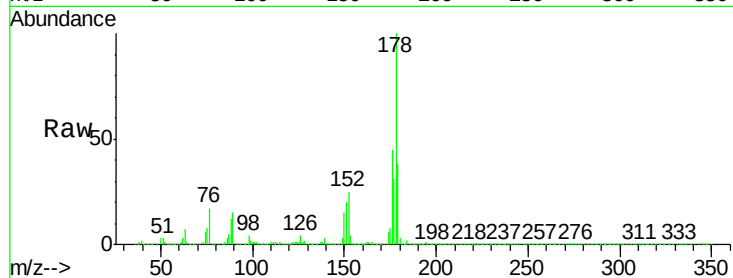
176 45.3 15.4 23.2#

Manual Integrations

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#71

Anthracene

Concen: 47.682 ng/ul

RT: 17.59 min Scan# 2468

Delta R.T. 0.02 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

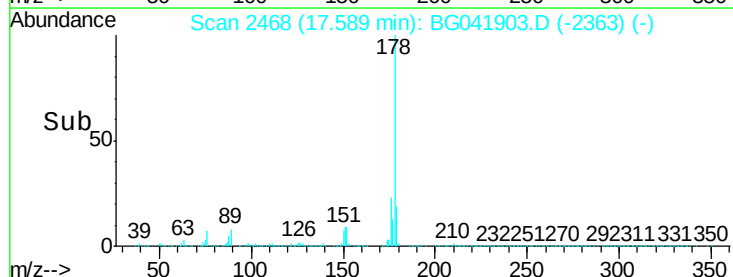
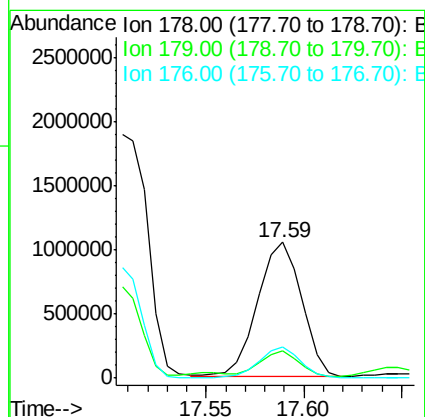
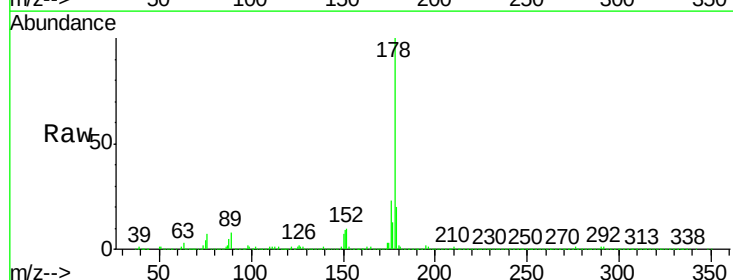
Tgt Ion:178 Resp: 1643471

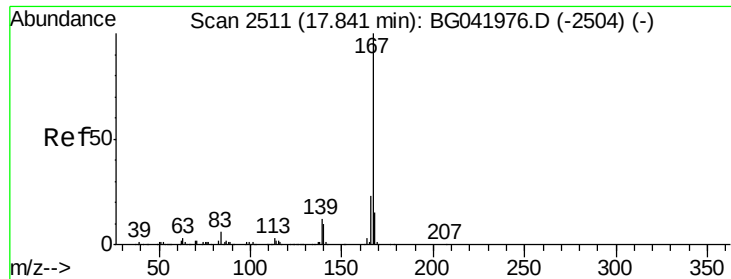
Ion Ratio Lower Upper

178 100

179 19.8 13.4 20.0

176 23.3 15.4 23.2#





#74

Carbazole

Concen: 4.757 ng/ul

RT: 17.85 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Instrument :

BNA_G

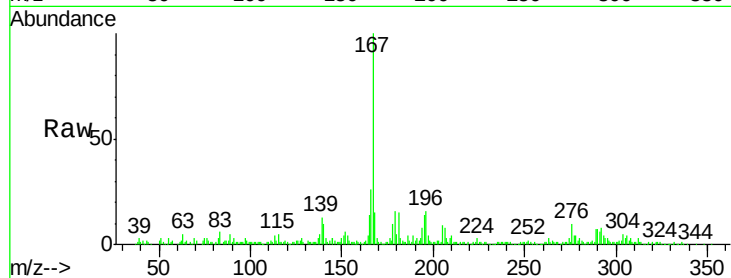
ClientSampleId :

BENQ1

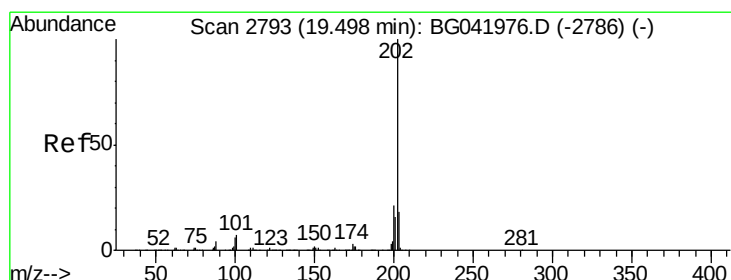
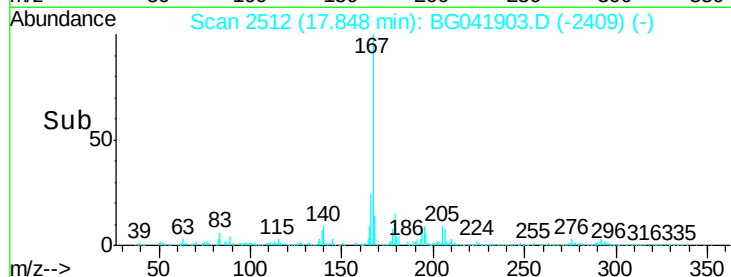
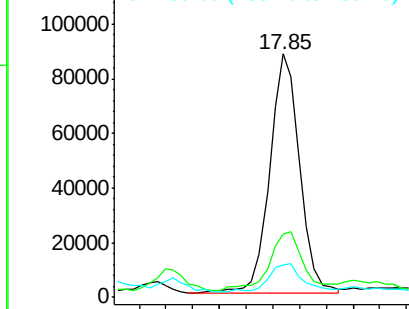
Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.2	18.2	27.4
139	13.1	9.6	14.4

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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

Fluoranthene

Concen: 90.437 ng/ul

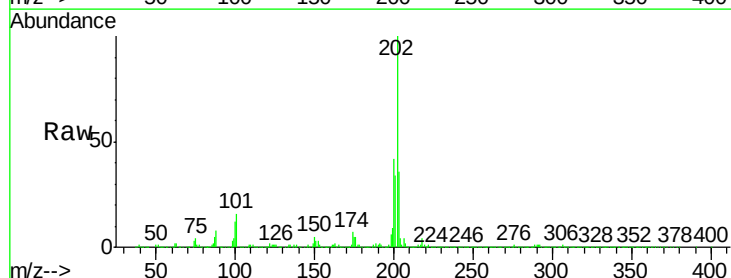
RT: 19.52 min Scan# 2796

Delta R.T. 0.02 min

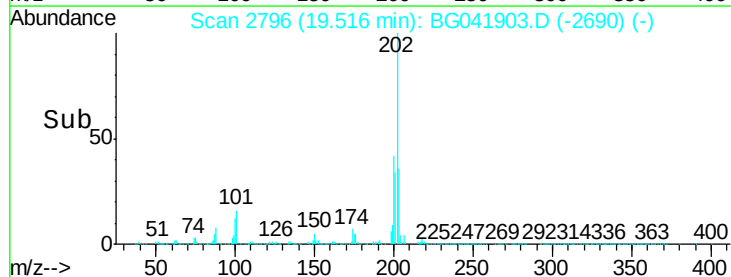
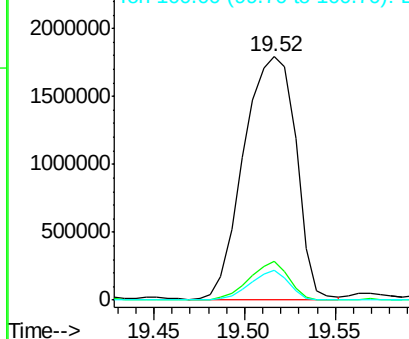
Lab File: BG041903.D

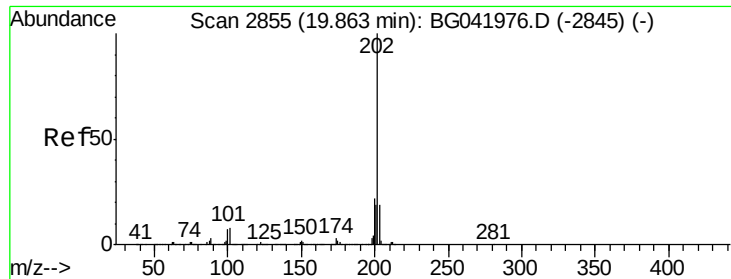
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.8	6.7	10.1#
100	12.3	5.3	7.9#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B





#79

Pyrene

Concen: 109.888 ng/ul

RT: 19.88 min Scan# 2858

Delta R.T. 0.03 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Instrument :

BNA_G

ClientSampled :

BENQ1

Tgt Ion:202 Resp: 4731305

Ion Ratio Lower Upper

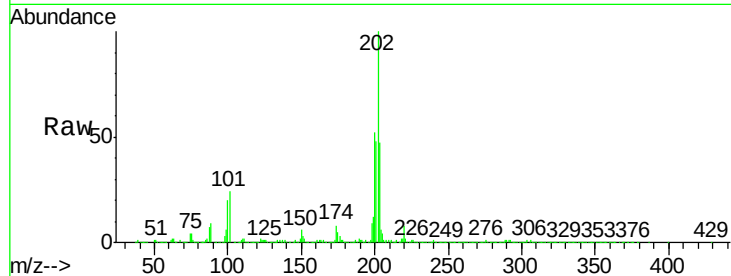
202 100

101 24.2 7.6 11.4#

100 19.7 6.5 9.7#

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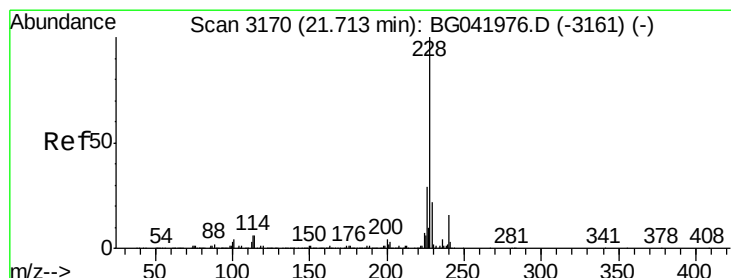
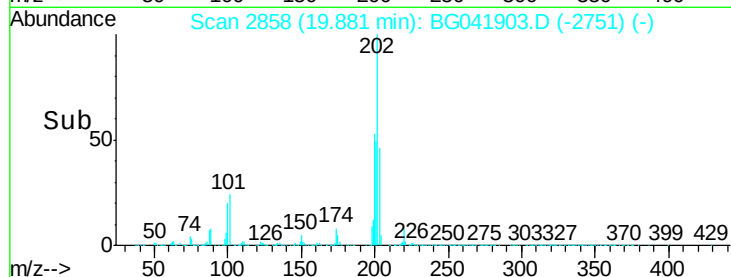
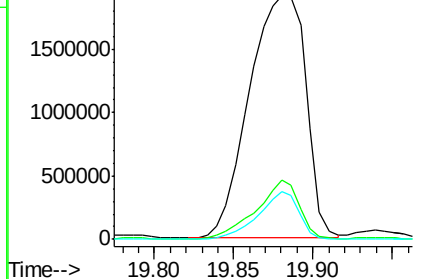
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#82

Benzo(a)anthracene

Concen: 80.185 ng/ul

RT: 21.73 min Scan# 3173

Delta R.T. 0.03 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Tgt Ion:228 Resp: 3558612

Ion Ratio Lower Upper

228 100

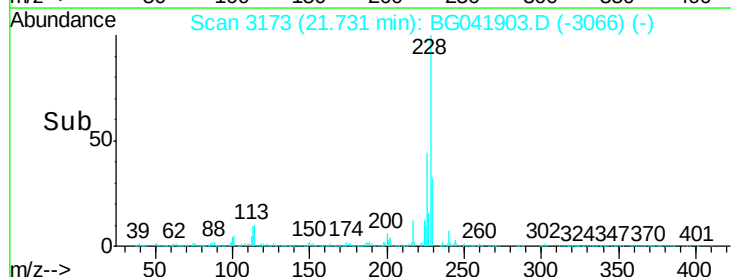
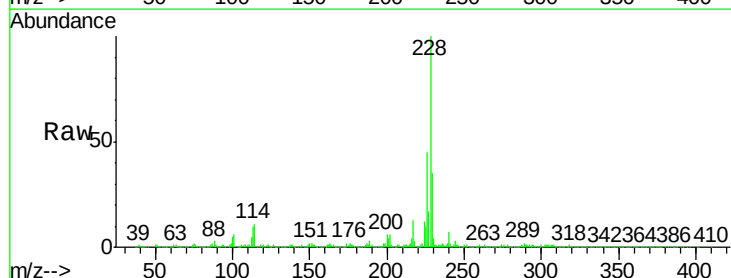
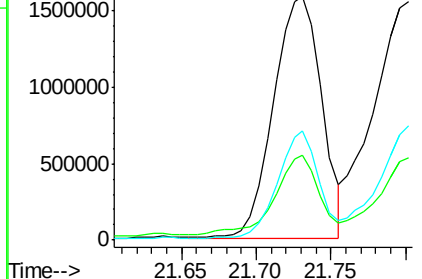
229 34.7 17.0 25.6#

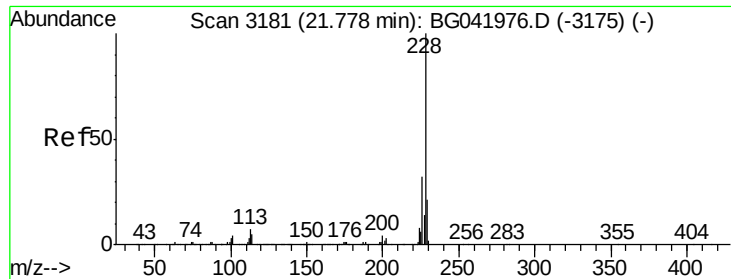
226 44.7 23.3 34.9#

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 90.000 ng/ul

RT: 21.80 min Scan# 3185

Delta R.T. 0.03 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Instrument :

BNA_G

ClientSampleId :

BENQ1

Tgt Ion:228 Resp: 3727965

Ion Ratio Lower Upper

228 100

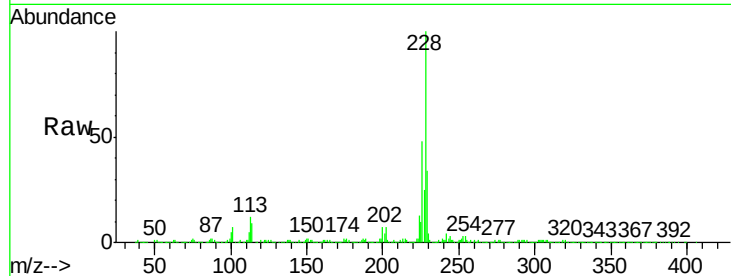
226 48.0 25.7 38.5#

229 34.4 16.6 24.8#

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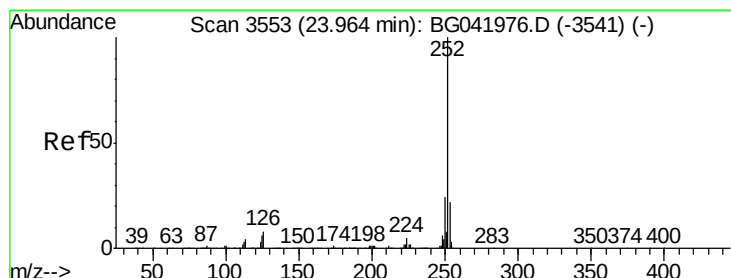
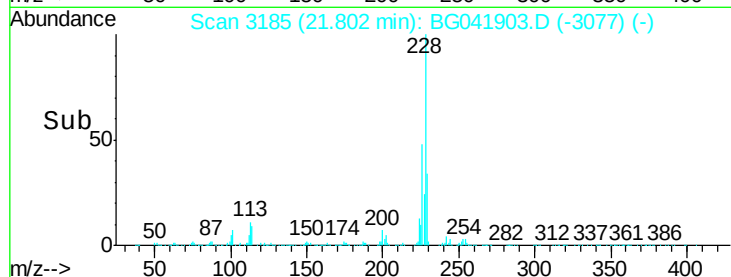
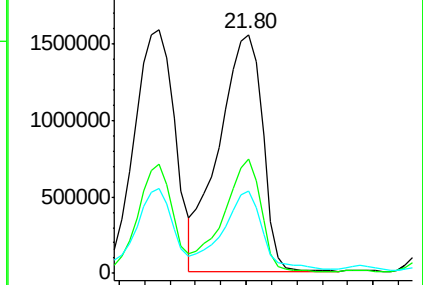
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 67.481 ng/ul

RT: 24.01 min Scan# 3560

Delta R.T. 0.06 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

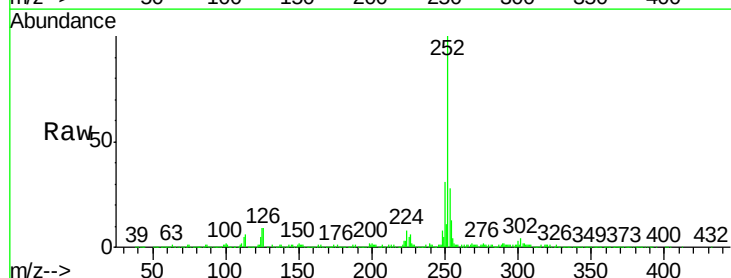
Tgt Ion:252 Resp: 3229298

Ion Ratio Lower Upper

252 100

253 27.6 18.4 27.6

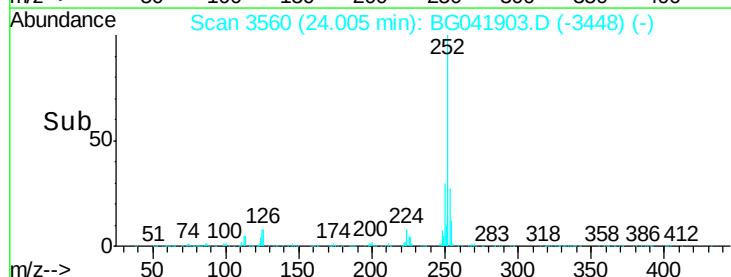
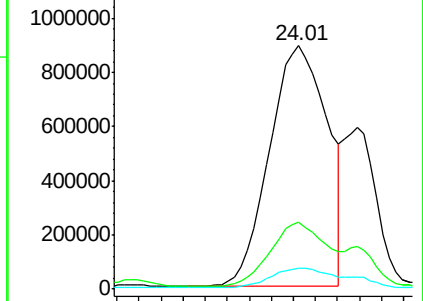
125 8.7 5.8 8.8

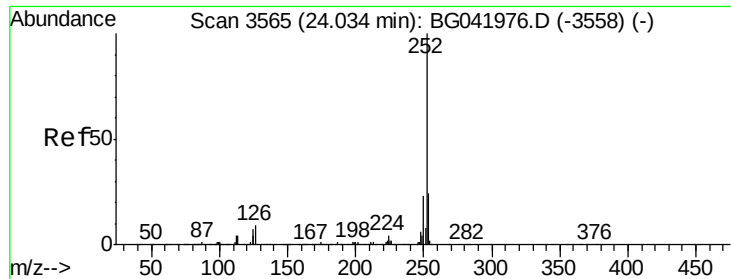


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 26.543 ng/ul m

RT: 24.06 min Scan# 3569

Delta R.T. 0.04 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Instrument :

BNA_G

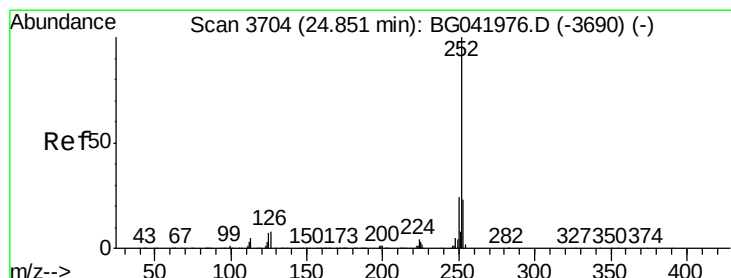
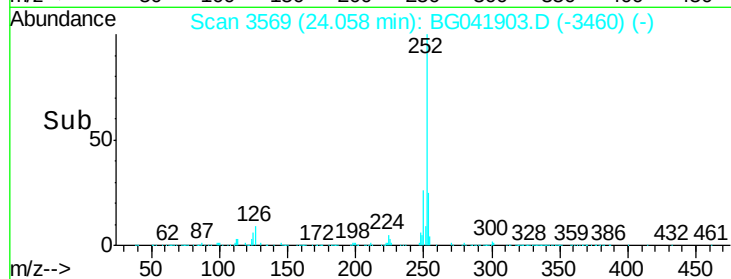
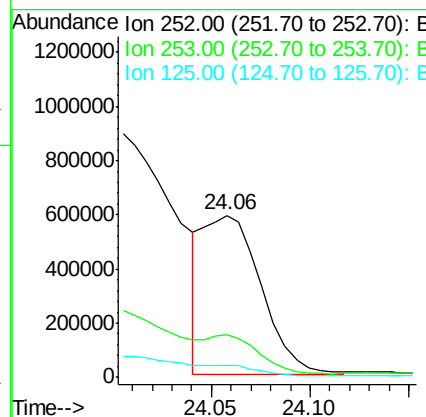
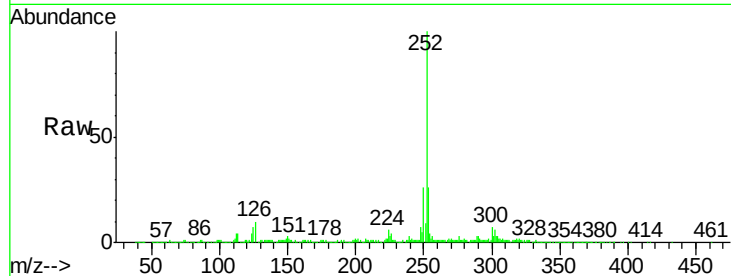
ClientSampleId :

BENQ1

Tgt Ion:252 Resp: 1221286
 Ion Ratio Lower Upper
 252 100
 253 26.0 18.3 27.5
 125 7.2 5.5 8.3

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#90

Benzo(a)pyrene

Concen: 70.115 ng/ul

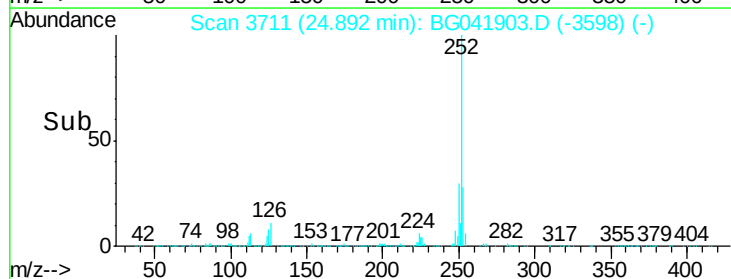
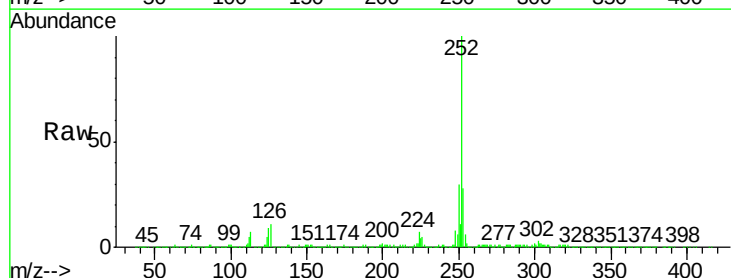
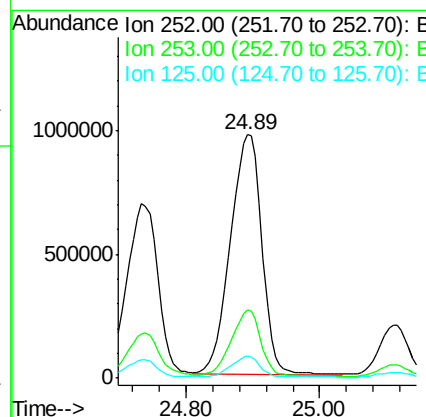
RT: 24.89 min Scan# 3711

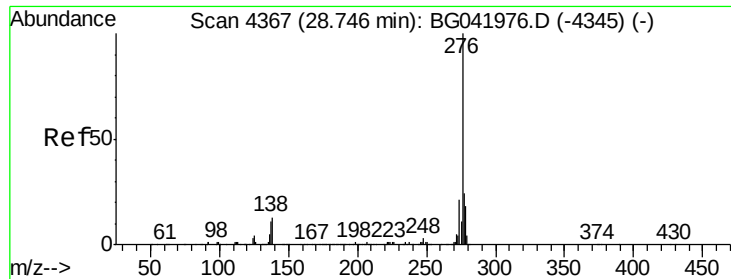
Delta R.T. 0.06 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Tgt Ion:252 Resp: 3197362
 Ion Ratio Lower Upper
 252 100
 253 28.1 18.3 27.5#
 125 8.9 6.5 9.7





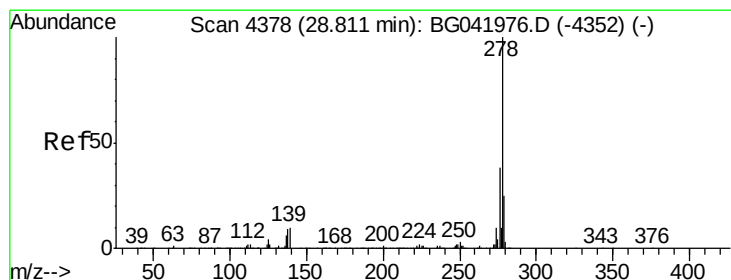
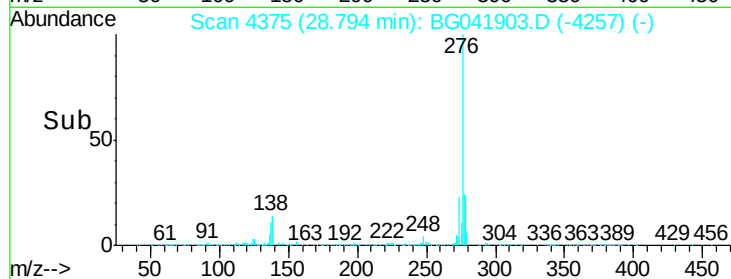
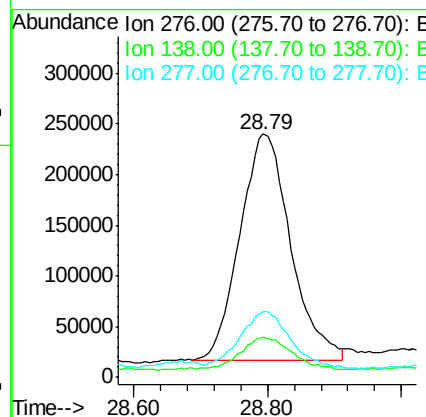
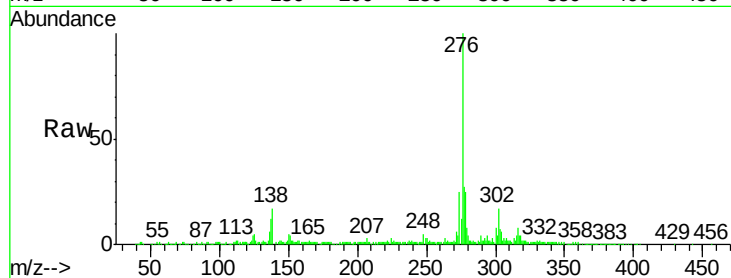
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 21.960 ng/ul
 RT: 28.79 min Scan# 4375
 Delta R.T. 0.09 min
 Lab File: BG041903.D
 Acq: 3 Aug 2019 10:48

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	12.0	18.0
277	27.0	19.2	28.8

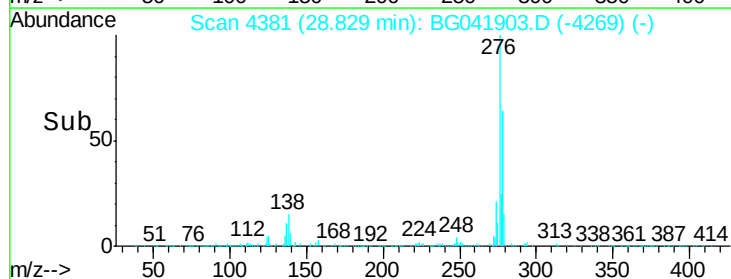
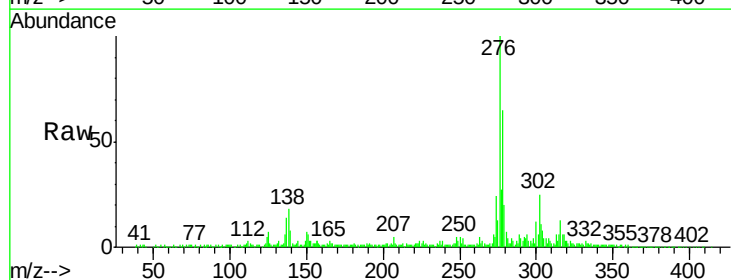
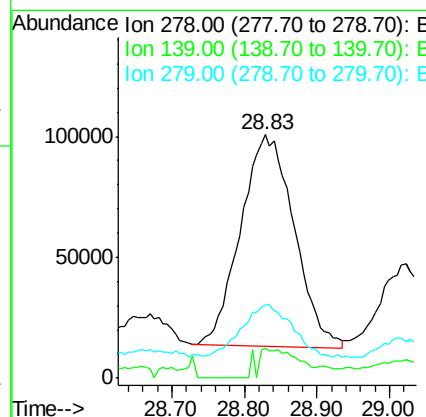
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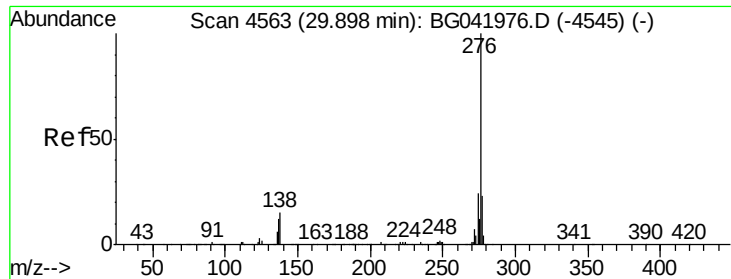
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#92
 Dibenzo(a,h)anthracene
 Concen: 10.347 ng/ul
 RT: 28.83 min Scan# 4381
 Delta R.T. 0.06 min
 Lab File: BG041903.D
 Acq: 3 Aug 2019 10:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.4	9.4	14.0
279	30.3	19.2	28.8#





#93

Benzo(g,h,i)perylene

Concen: 26.153 ng/ul

RT: 29.96 min Scan# 4574

Delta R.T. 0.10 min

Lab File: BG041903.D

Acq: 3 Aug 2019 10:48

Instrument :

BNA_G

ClientSampleId :

BENQ1

Tgt Ion: 276 Resp: 1161393

Ion Ratio Lower Upper

276 100

138 16.7 12.6 18.8

277 25.6 19.2 28.8

Manual Integrations

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