

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041904.D
 Acq On : 3 Aug 2019 11:26
 Operator : HP/JU
 Sample : K3850-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:17:48 PM

Quant Time: Aug 04 00:58:56 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	109085	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	444003	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	291939	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	570149	20.00	ng/ul	0.00
77) Chrysene-d12	21.74	240	575625	20.00	ng/ul	0.02
85) Perylene-d12	25.03	264	674684	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	1219	0.49	ng/uL	0.00
5) Phenol-d5	7.18	99	3873	0.45	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	15286	3.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	8399	1.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	2829	0.39	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	10406	3.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	9515	2.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	11361	1.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	7410	0.85	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	76183	3.36	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	99464	3.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.90	143	2212m	0.58	ng/ul	0.03
57) Fluorene-d10	15.69	176	74792	3.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.82	200	1180	0.32	ng/ul	0.03
70) Anthracene-d10	17.55	188	112498	4.11	ng/ul	0.00
78) Pyrene-d10	19.84	212	126573	3.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	134014	3.80	ng/ul	0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.91	128	275500	12.137	ng/ul	97
34) 2-Methylnaphthalene	12.52	142	293100	16.246	ng/ul	98
40) 1,1'-Biphenyl	13.52	154	54468	2.566	ng/ul	96
44) Dimethylphthalate	14.14	163	29074	1.293	ng/ul	96
49) Acenaphthene	14.76	153	442540	24.245	ng/ul	100
53) Dibenzofuran	15.09	168	85077	3.123	ng/ul	93
58) Fluorene	15.74	166	372848	16.992	ng/ul#	99
69) Phenanthrene	17.50	178	3494328m	111.951	ng/ul	
71) Anthracene	17.58	178	1136562	35.902	ng/ul	98
74) Carbazole	17.85	167	74539	2.842	ng/ul#	91
76) Fluoranthene	19.51	202	2853314	79.118	ng/ul#	89
79) Pyrene	19.87	202	3867653	99.888	ng/ul#	76
82) Benzo(a)anthracene	21.73	228	2741023	68.679	ng/ul#	83
84) Chrysene	21.79	228	2842440	76.306	ng/ul#	85
87) Benzo(b)fluoranthene	23.99	252	2280767	53.868	ng/ul	96
88) Benzo(k)fluoranthene	24.05	252	954210m	23.440	ng/ul	
90) Benzo(a)pyrene	24.88	252	2278742	56.479	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	28.78	276	829559	17.628	ng/ul	96
92) Dibenzo(a,h)anthracene	28.82	278	304936	7.944	ng/ul	95
93) Benzo(g,h,i)perylene	29.94	276	878398	22.357	ng/ul	97

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

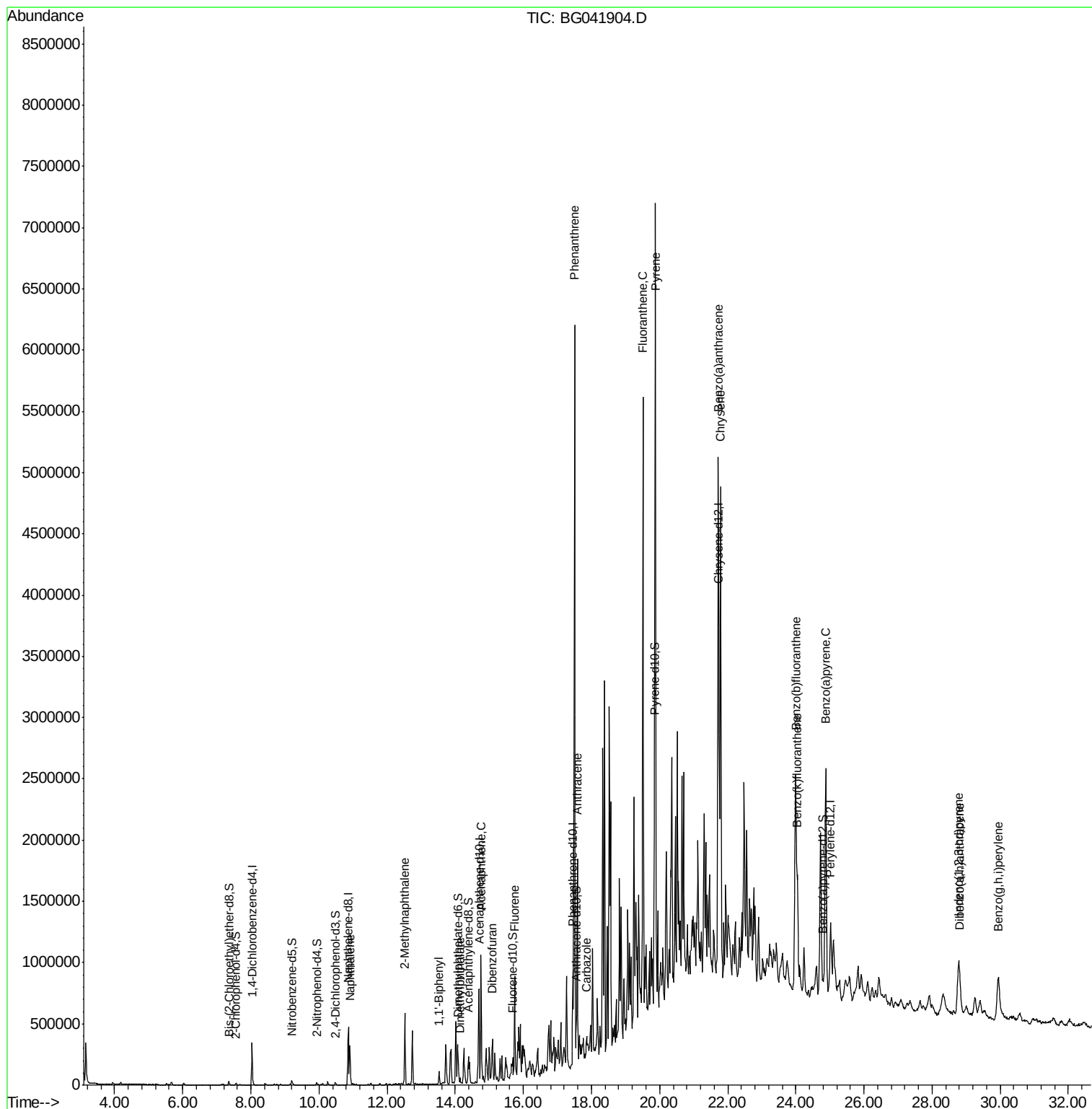
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
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ALS Vial : 5 Sample Multiplier: 1

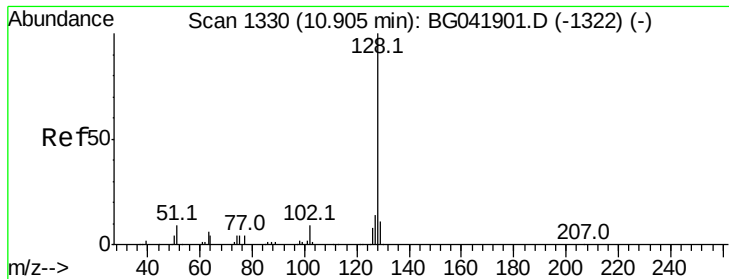
Instrument :
BNA_G
ClientSampleId :
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Quant Time: Aug 04 00:58:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 12.137 ng/ul

RT: 10.91 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Instrument :

BNA_G

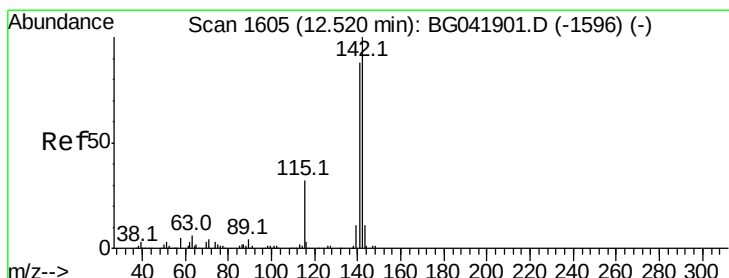
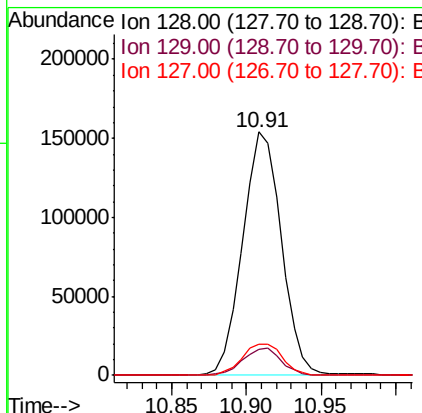
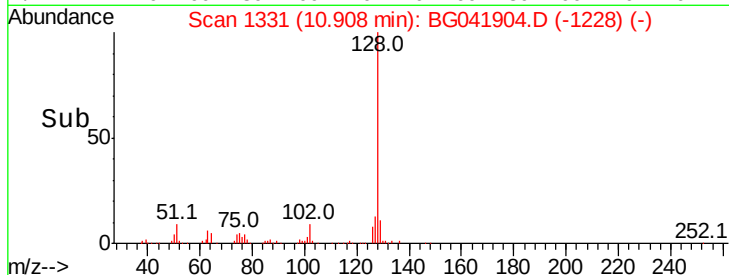
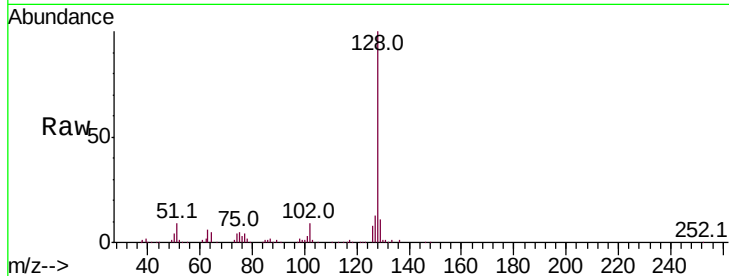
ClientSampleId :

BENQ3

Tot Ion:	128	Resp:	275500
Ion Ratio	Lower	Upper	
128	100		
129	10.6	9.5	14.3
127	12.8	11.4	17.0

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#34

2-Methylnaphthalene

Concen: 16.246 ng/ul

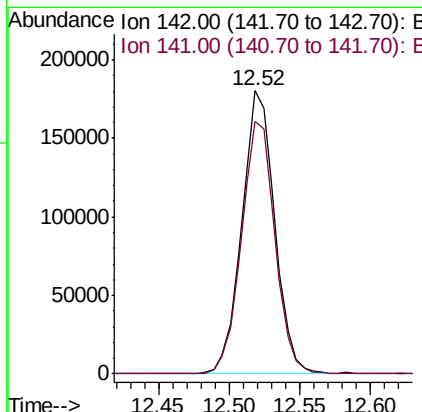
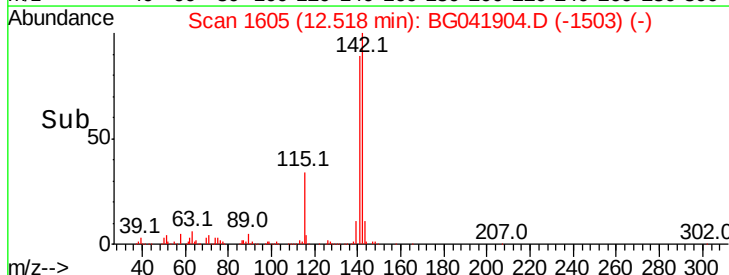
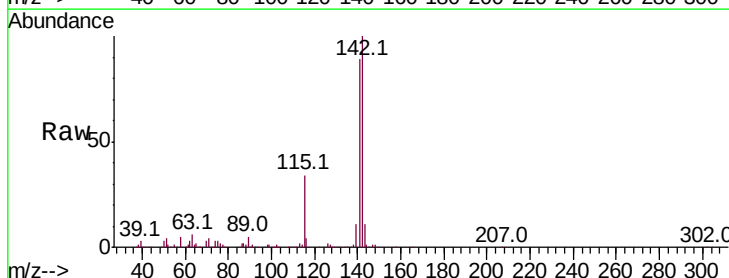
RT: 12.52 min Scan# 1605

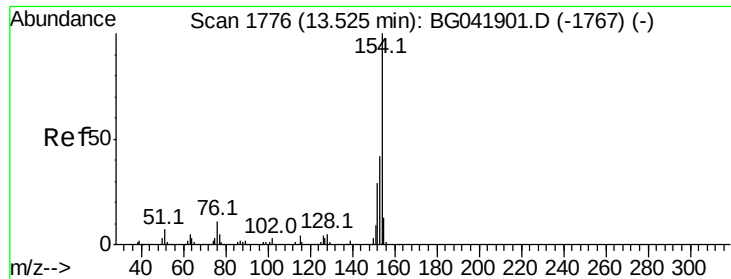
Delta R.T. -0.00 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Tgt Ion:	142	Resp:	293100
Ion Ratio	Lower	Upper	
142	100		
141	89.1	72.9	109.3





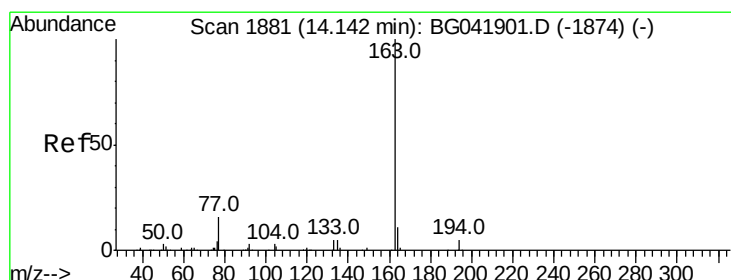
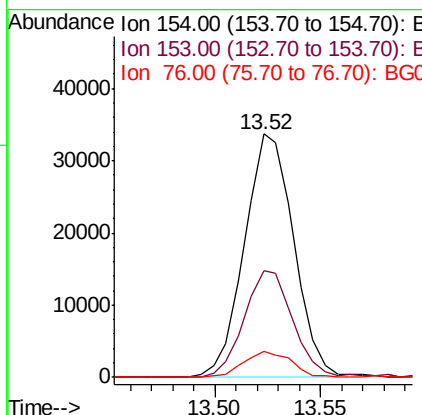
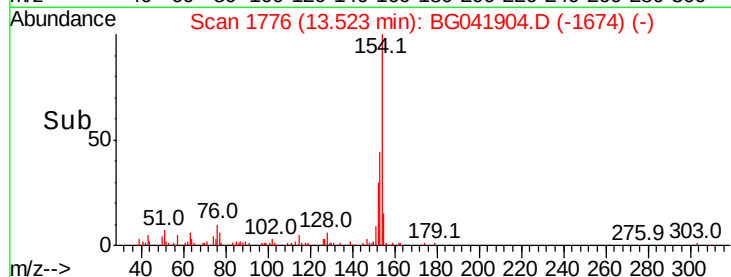
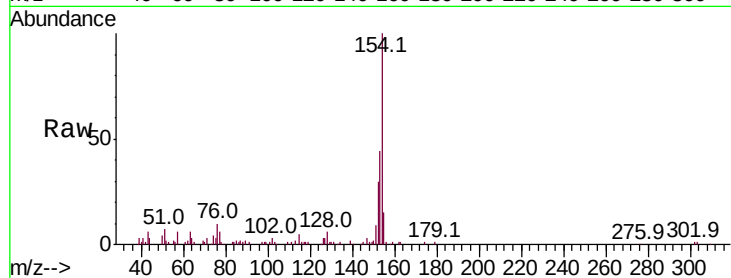
#40
 1,1'-Biphenyl
 Concen: 2.566 ng/ul
 RT: 13.52 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BG041904.D
 Acq: 3 Aug 2019 11:26

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Tot Ion:	154	Resp:	54468
Ion Ratio	Lower	Upper	
154	100		
153	44.0	32.6	48.8
76	10.5	8.6	13.0

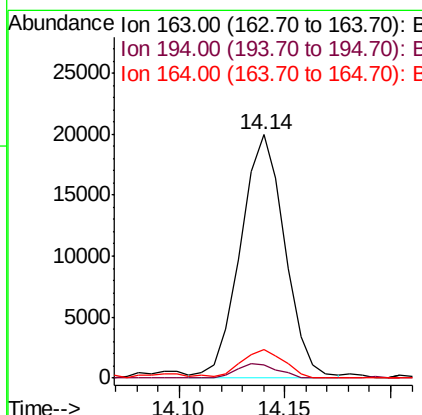
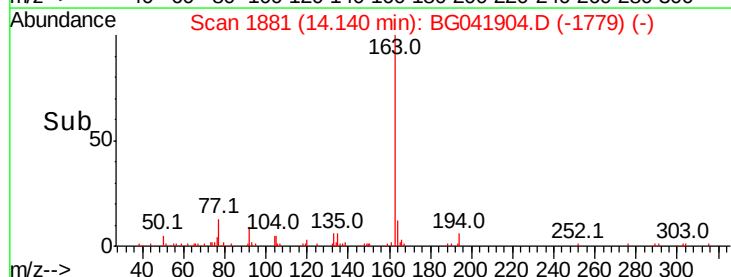
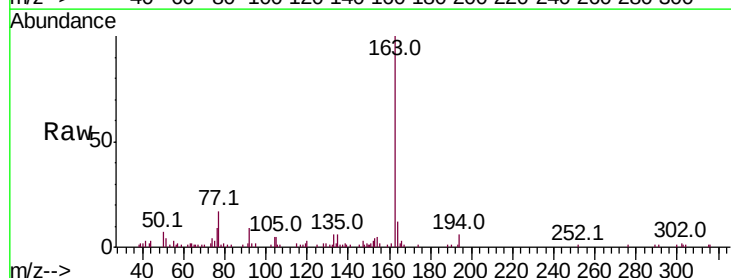
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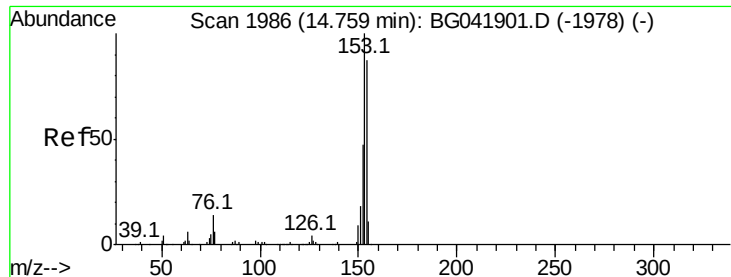
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#44
 Dimethylphthalate
 Concen: 1.293 ng/ul
 RT: 14.14 min Scan# 1881
 Delta R.T. -0.00 min
 Lab File: BG041904.D
 Acq: 3 Aug 2019 11:26

Tgt Ion:	163	Resp:	29074
Ion Ratio	Lower	Upper	
163	100		
194	5.6	4.2	6.2
164	11.7	7.8	11.8





#49

Acenaphthene

Concen: 24.245 ng/ul

RT: 14.76 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Instrument :

BNA_G

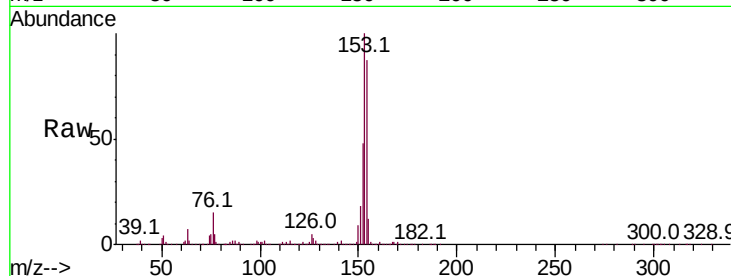
ClientSampleId :

BENQ3

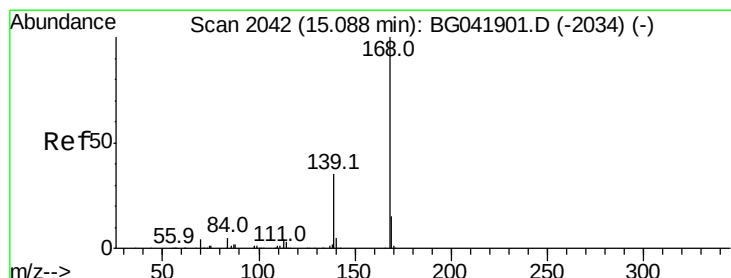
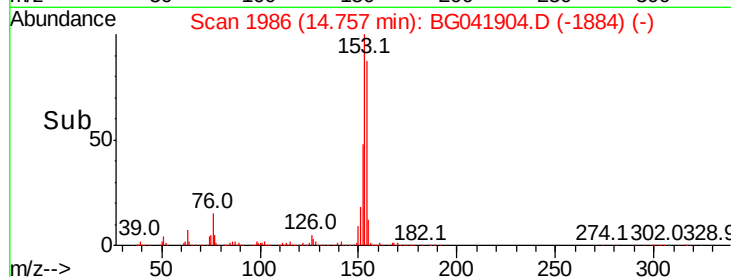
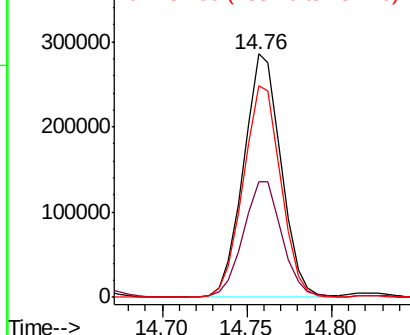
Tot Ion:	153	Resp:	442540
Ion Ratio	Lower	Upper	
153	100		
152	47.7	37.8	56.8
154	86.9	69.4	104.2

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 3.123 ng/ul

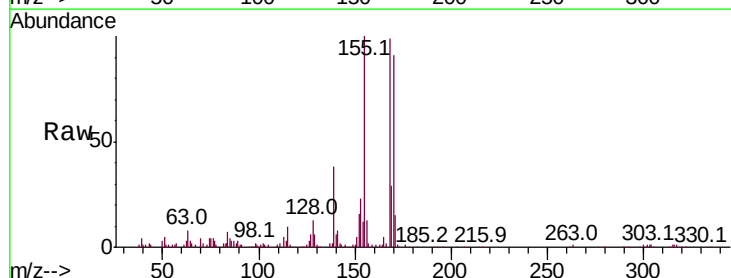
RT: 15.09 min Scan# 2043

Delta R.T. 0.00 min

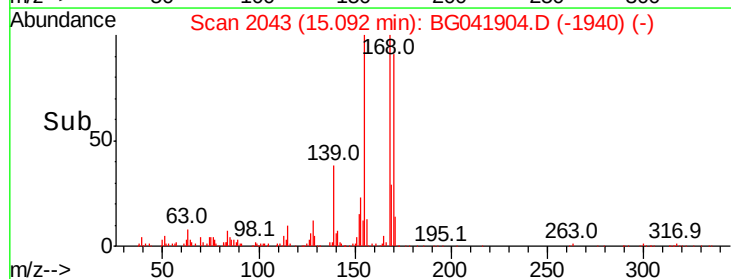
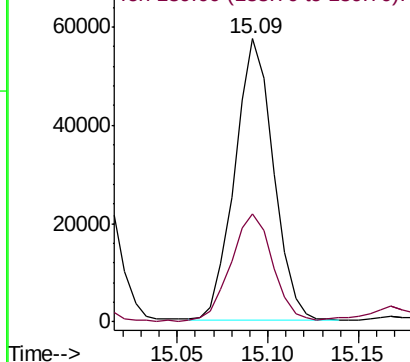
Lab File: BG041904.D

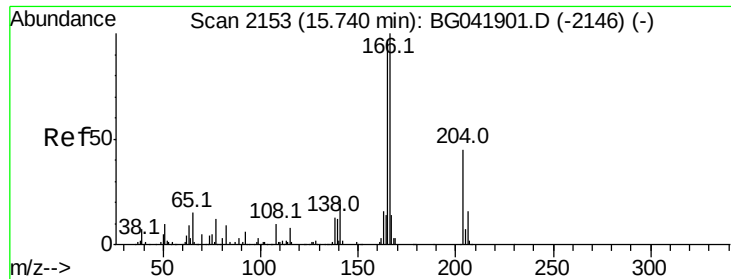
Acq: 3 Aug 2019 11:26

Tgt Ion:	168	Resp:	85077
Ion Ratio	Lower	Upper	
168	100		
139	38.3	27.3	40.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





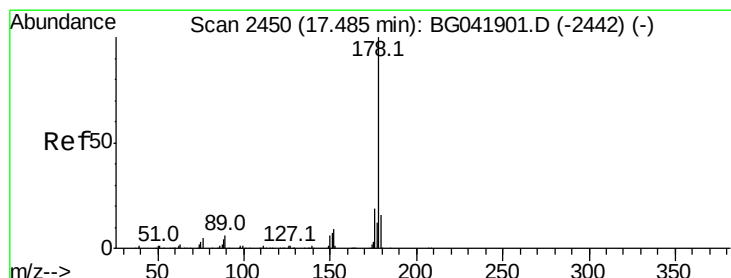
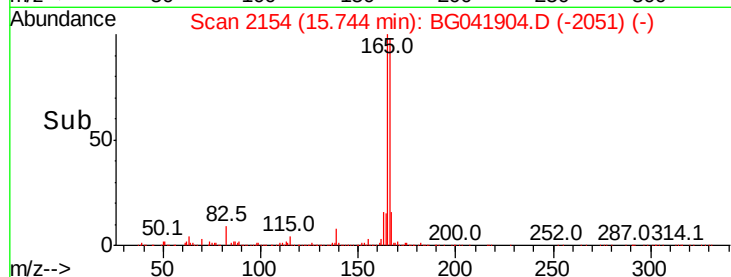
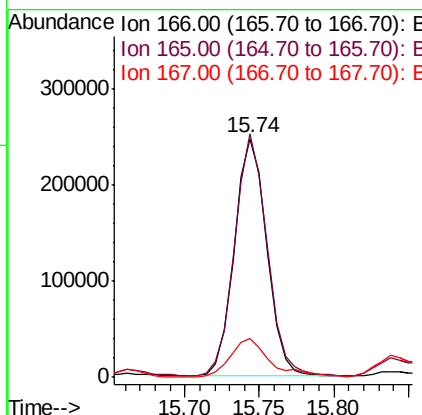
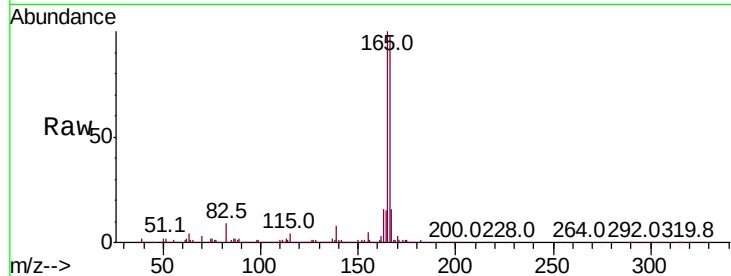
#58
 Fluorene
 Concen: 16.992 ng/ul
 RT: 15.74 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: BG041904.D
 Acq: 3 Aug 2019 11:26

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.1	121.7
167	16.4	11.0	16.4

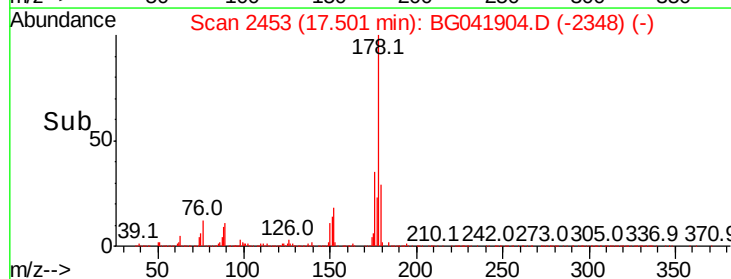
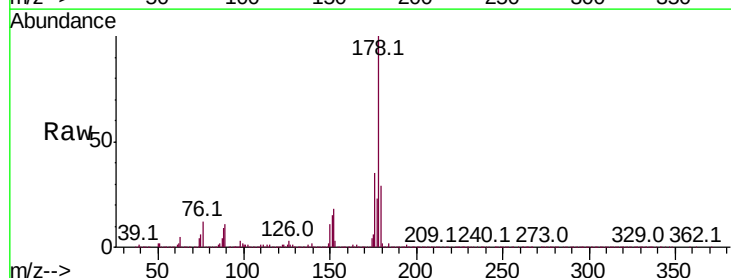
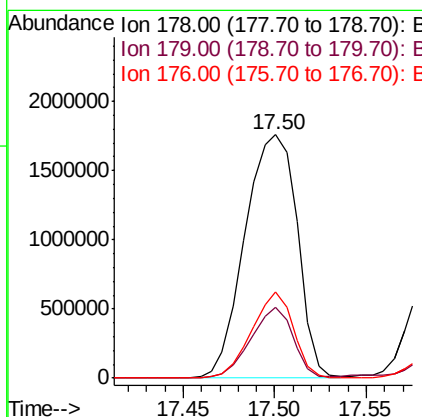
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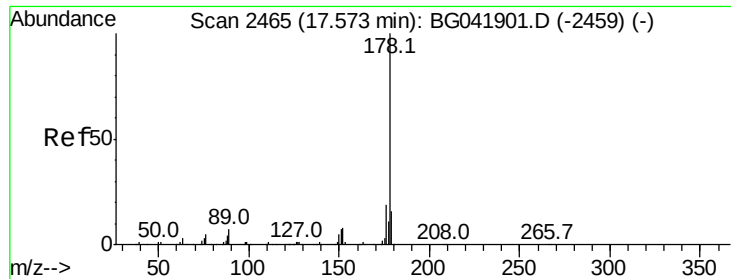
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#69
 Phenanthrene
 Concen: 111.951 ng/ul m
 RT: 17.50 min Scan# 2453
 Delta R.T. 0.02 min
 Lab File: BG041904.D
 Acq: 3 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	28.9	12.8	19.2
176	35.2	15.4	23.2





#71

Anthracene

Concen: 35.902 ng/ul

RT: 17.58 min Scan# 2467

Delta R.T. 0.01 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Instrument :

BNA_G

ClientSampleId :

BENQ3

Tot Ion:178 Resp: 1136562

Ion Ratio Lower Upper

178 100

179 17.8 13.4 20.0

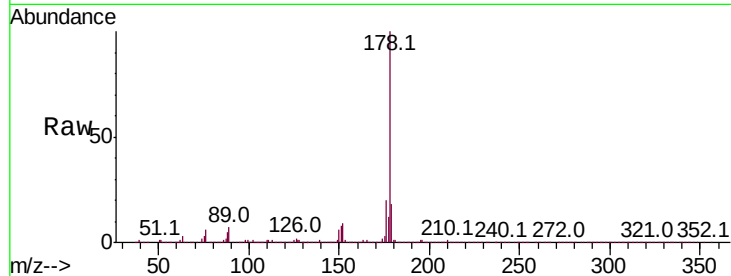
176 20.2 15.4 23.2

Manual Integrations

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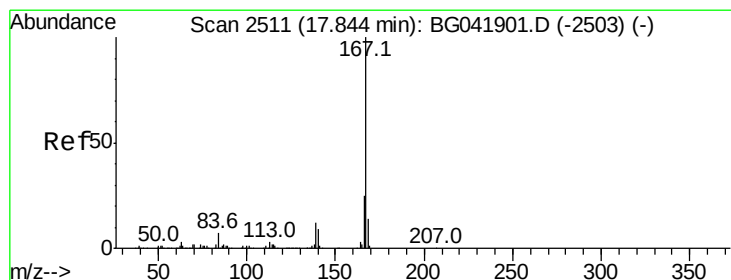
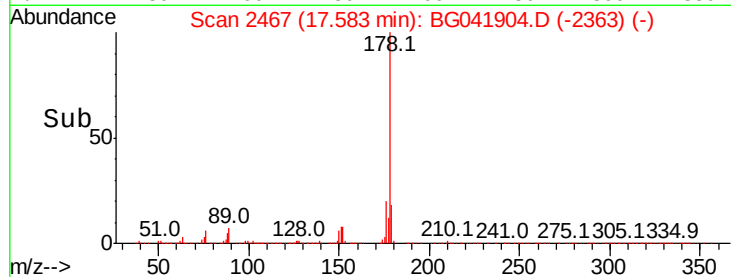
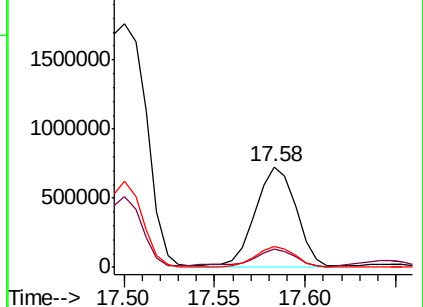
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#74

Carbazole

Concen: 2.842 ng/ul

RT: 17.85 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

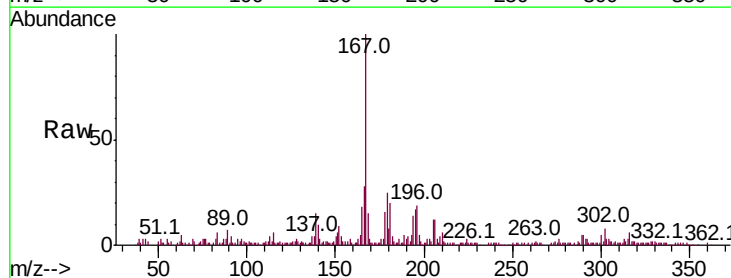
Tgt Ion:167 Resp: 74539

Ion Ratio Lower Upper

167 100

166 27.6 18.2 27.4#

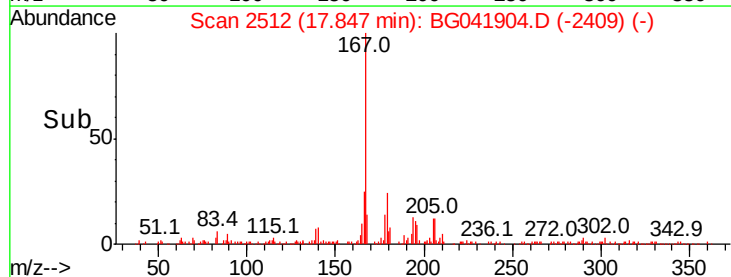
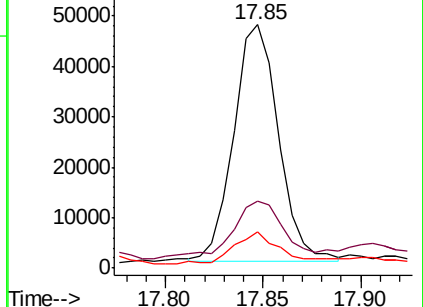
139 14.9 9.6 14.4#

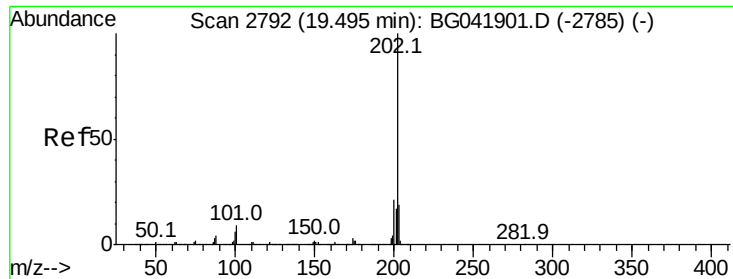


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 79.118 ng/ul

RT: 19.51 min Scan# 2795

Delta R.T. 0.02 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Instrument :

BNA_G

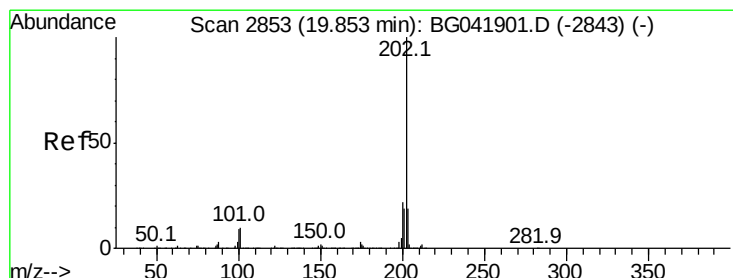
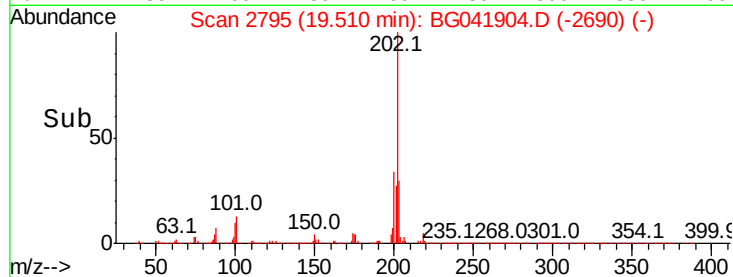
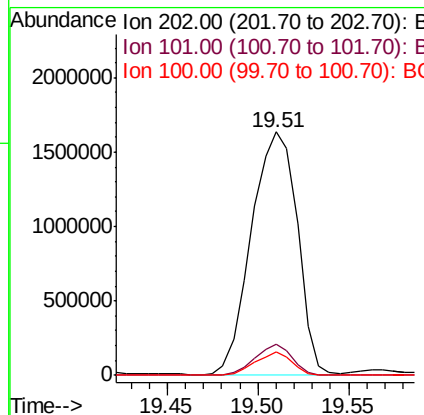
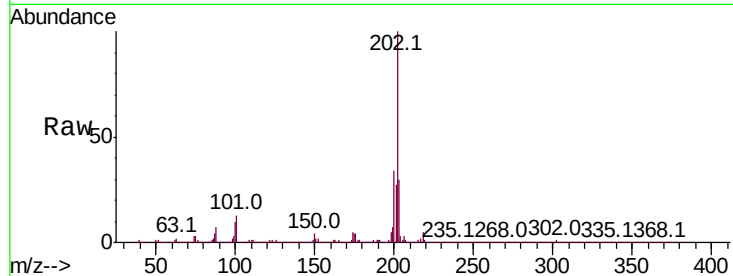
ClientSampleId :

BENQ3

Tot Ion:	202	Resp:	2853314
Ion	Ratio	Lower	Upper
202	100		
101	12.6	6.7	10.1#
100	9.8	5.3	7.9#

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#79

Pyrene

Concen: 99.888 ng/ul

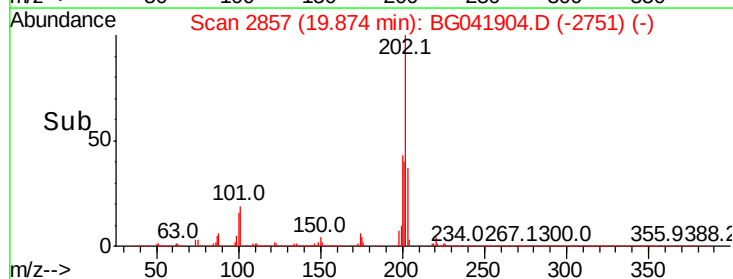
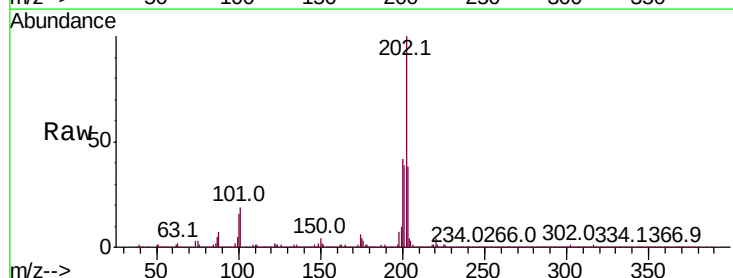
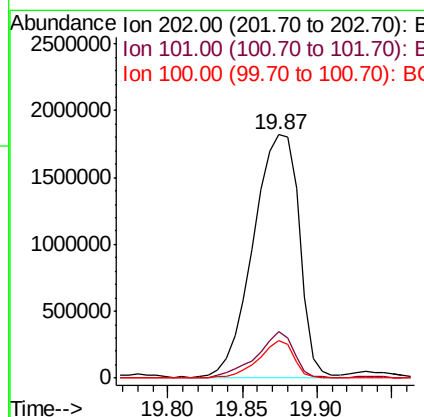
RT: 19.87 min Scan# 2857

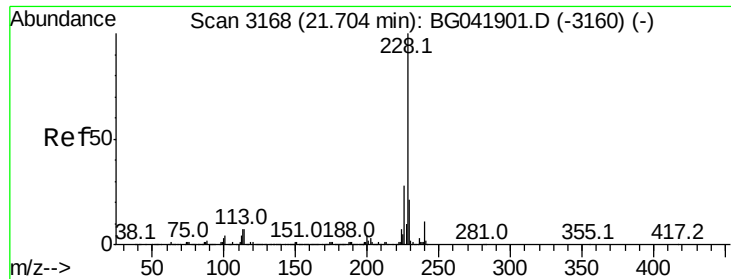
Delta R.T. 0.02 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Tgt Ion:	202	Resp:	3867653
Ion	Ratio	Lower	Upper
202	100		
101	19.2	7.6	11.4#
100	15.5	6.5	9.7#





#82

Benzo(a)anthracene

Concen: 68.679 ng/ul

RT: 21.73 min Scan# 3172

Delta R.T. 0.02 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Instrument :

BNA_G

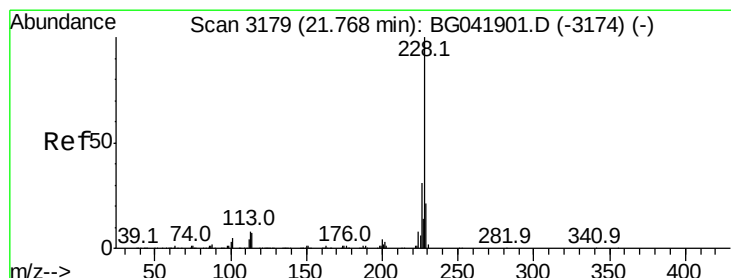
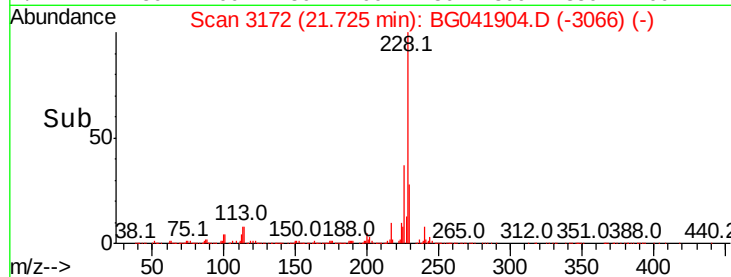
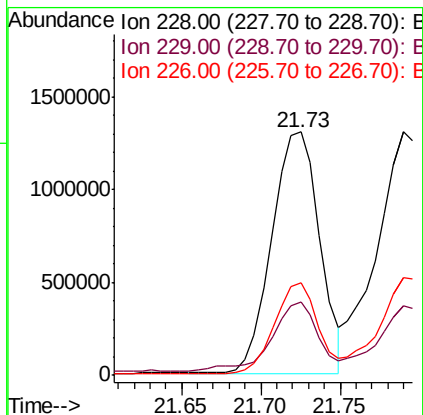
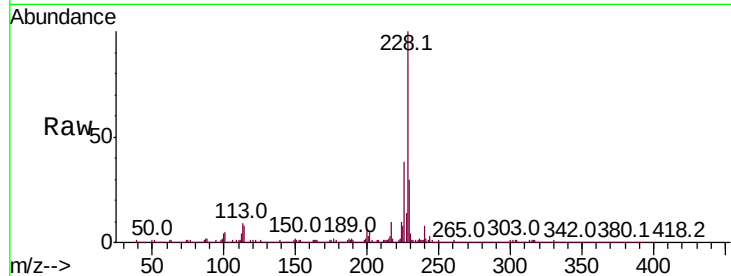
ClientSampleId :

BENQ3

Tot Ion:	228	Resp:	2741023
Ion	Ratio	Lower	Upper
228	100		
229	30.0	17.0	25.6#
226	37.8	23.3	34.9#

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#84

Chrysene

Concen: 76.306 ng/ul

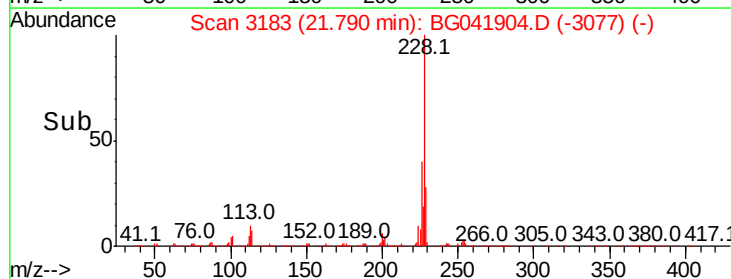
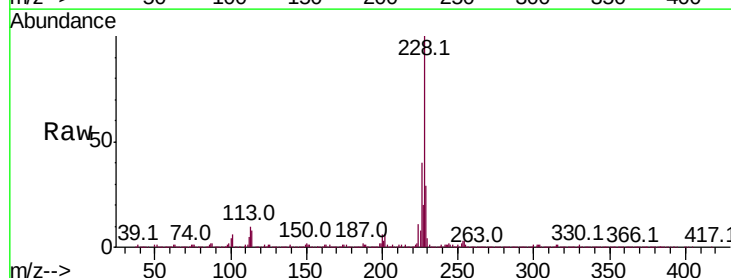
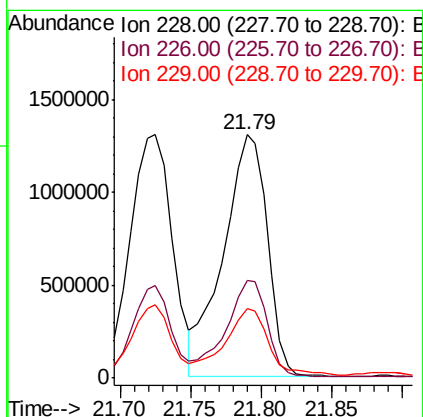
RT: 21.79 min Scan# 3183

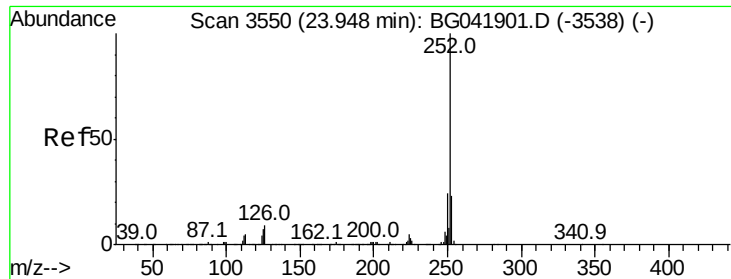
Delta R.T. 0.02 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Tgt Ion:	228	Resp:	2842440
Ion	Ratio	Lower	Upper
228	100		
226	40.1	25.7	38.5#
229	28.7	16.6	24.8#





#87

Benzo(b)fluoranthene

Concen: 53.868 ng/ul

RT: 23.99 min Scan# 3558

Delta R.T. 0.04 min

Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Instrument :

BNA_G

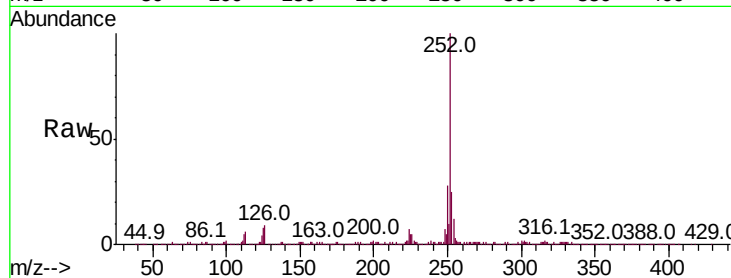
ClientSampleId :

BENQ3

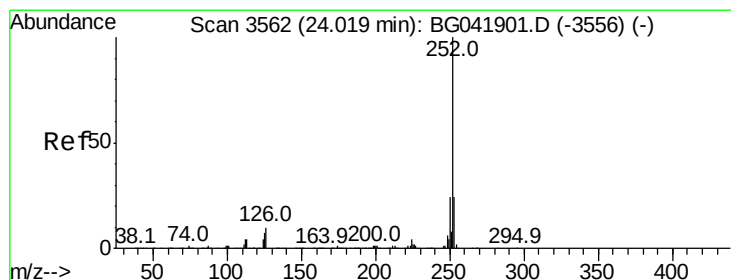
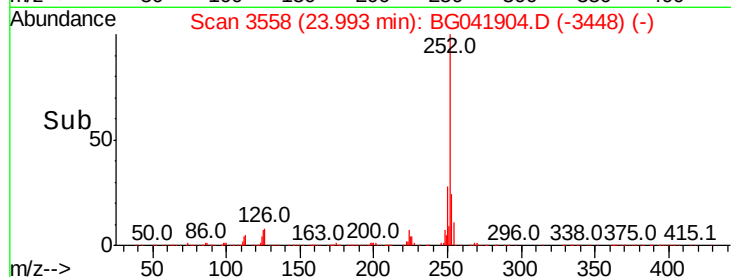
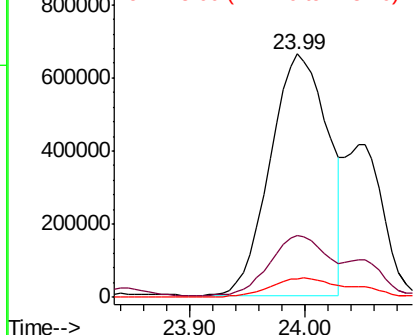
Tot Ion:	252	Resp:	2280767
Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.4	27.6
125	7.5	5.8	8.8

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8/6/2019 12:17:48 PM



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: 23.440 ng/ul m

RT: 24.05 min Scan# 3567

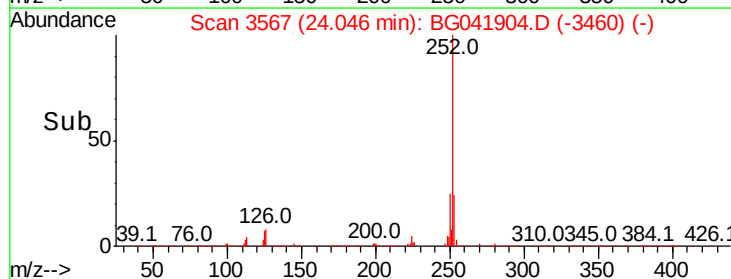
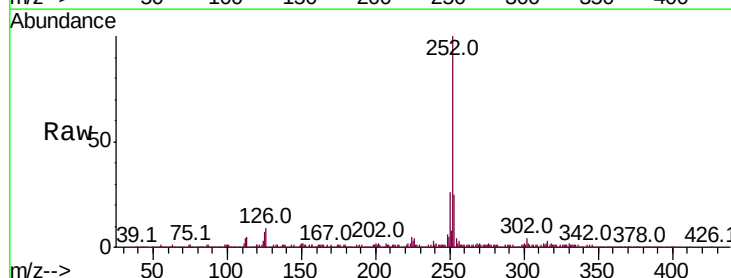
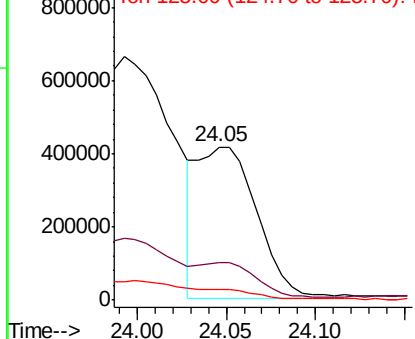
Delta R.T. 0.03 min

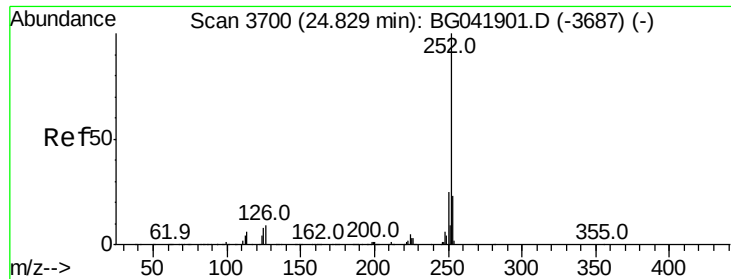
Lab File: BG041904.D

Acq: 3 Aug 2019 11:26

Tgt Ion:	252	Resp:	954210
Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.3	27.5
125	7.4	5.5	8.3

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





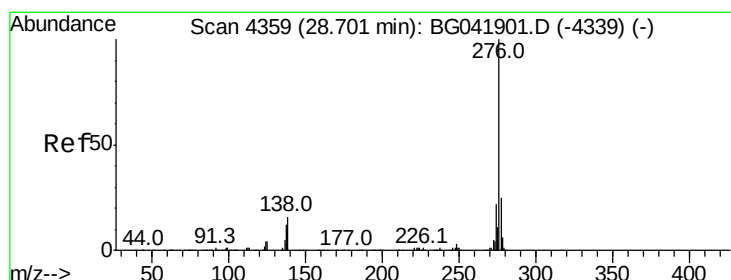
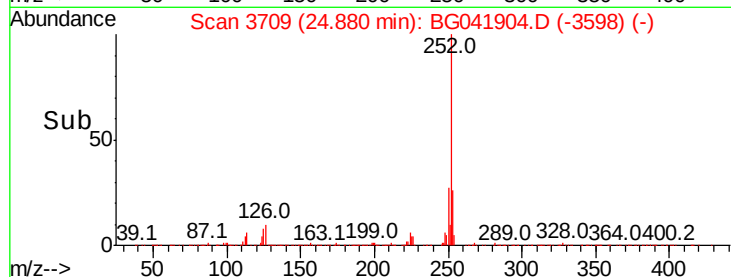
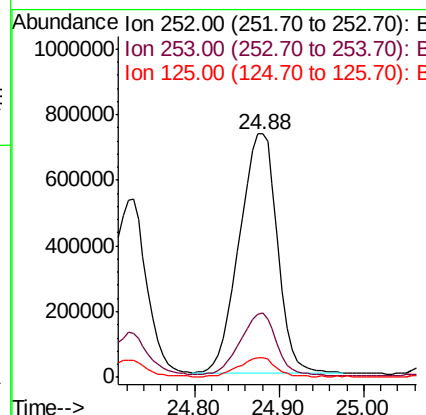
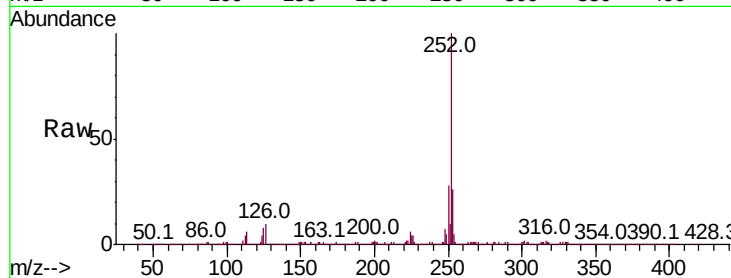
#90
Benzo(a)pyrene
Concen: 56.479 ng/ul
RT: 24.88 min Scan# 3709
Delta R.T. 0.05 min
Lab File: BG041904.D
Acq: 3 Aug 2019 11:26

Instrument :
BNA_G
ClientSampled :
BENQ3

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.3	27.5
125	8.1	6.5	9.7

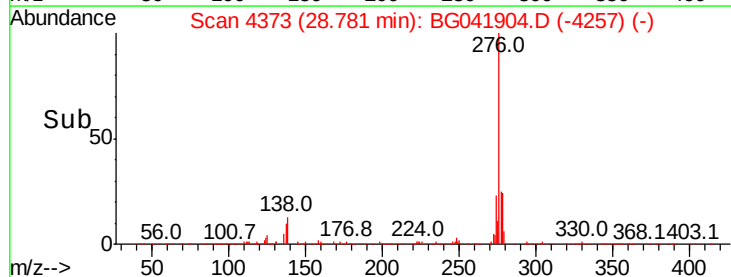
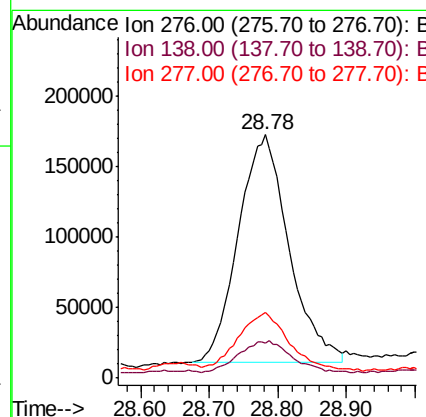
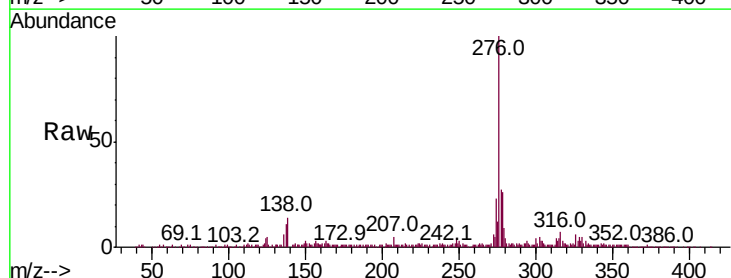
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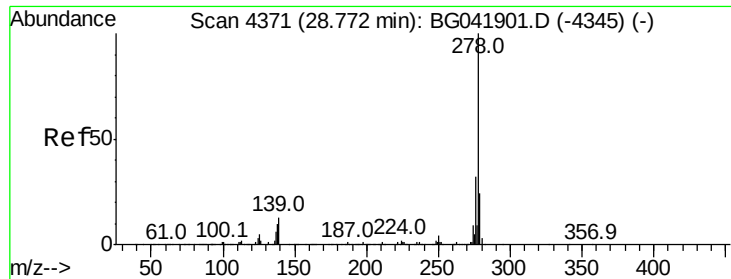
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#91
Indeno(1,2,3-cd)pyrene
Concen: 17.628 ng/ul
RT: 28.78 min Scan# 4373
Delta R.T. 0.08 min
Lab File: BG041904.D
Acq: 3 Aug 2019 11:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.0	18.0
277	26.8	19.2	28.8





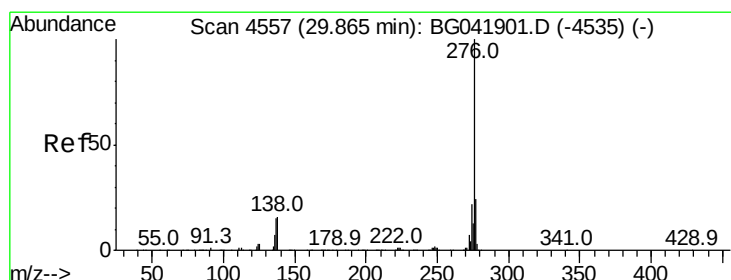
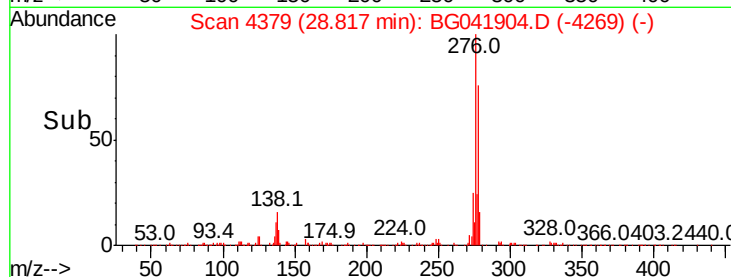
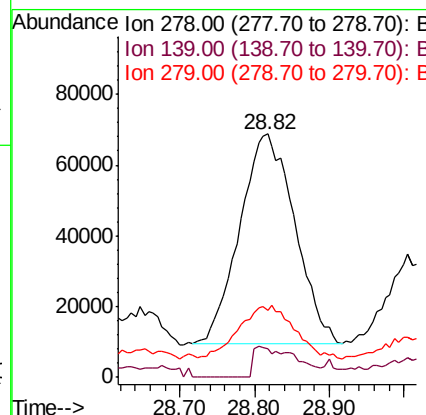
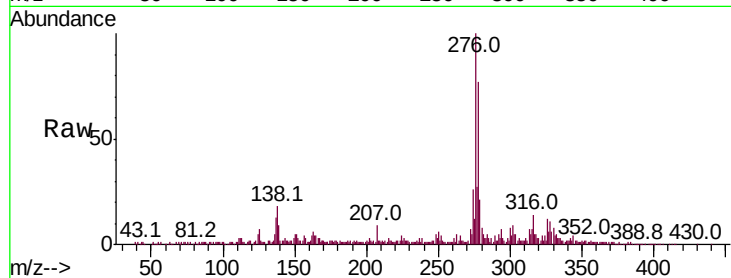
#92
 Dibenzo(a,h)anthracene
 Concen: 7.944 ng/ul
 RT: 28.82 min Scan# 4379
 Delta R.T. 0.04 min
 Lab File: BG041904.D
 Acq: 3 Aug 2019 11:26

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Tot Ion:	278	Resp:	304936
Ion Ratio	Lower	Upper	
278	100		
139	11.6	9.4	14.0
279	27.5	19.2	28.8

Manual Integrations
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 8/6/2019 12:17:48 PM



#93
 Benzo(g,h,i)perylene
 Concen: 22.357 ng/ul
 RT: 29.94 min Scan# 4571
 Delta R.T. 0.08 min
 Lab File: BG041904.D
 Acq: 3 Aug 2019 11:26

Tgt Ion:	276	Resp:	878398
Ion Ratio	Lower	Upper	
276	100		
138	14.4	12.6	18.8
277	25.5	19.2	28.8

