

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041941.D
 Acq On : 4 Aug 2019 13:46
 Operator : HP/JU
 Sample : K3850-09
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:34 PM

Quant Time: Aug 05 11:28:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 05:06:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	98977	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	397529	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	260944	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.46	188	520178m	20.00	ng/ul	0.00
77) Chrysene-d12	21.75	240	531858	20.00	ng/ul	0.02
85) Perylene-d12	25.04	264	566779m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	1234m	0.55	ng/uL	0.00
5) Phenol-d5	7.19	99	153977	19.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	93520	21.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	142972	21.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	131025	20.09	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	75979	25.39	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	91632	26.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	163004	23.24	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	187395	24.08	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	482685	23.85	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	623694	26.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	65632	19.31	ng/ul	0.00
57) Fluorene-d10	15.69	176	436314	24.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.82	200	33392m	10.01	ng/ul	0.01
70) Anthracene-d10	17.56	188	662117	26.53	ng/ul	0.00
78) Pyrene-d10	19.84	212	740856	24.96	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.81	264	769646	25.99	ng/ul	0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.91	128	242828	11.948	ng/ul	97
34) 2-Methylnaphthalene	12.52	142	265716	16.450	ng/ul	98
40) 1,1'-Biphenyl	13.53	154	50296	2.651	ng/ul	98
44) Dimethylphthalate	14.14	163	26574	1.322	ng/ul	100
49) Acenaphthene	14.77	153	398187	24.406	ng/ul	99
53) Dibenzofuran	15.09	168	78576	3.227	ng/ul	89
58) Fluorene	15.75	166	336029	17.133	ng/ul	98
69) Phenanthrene	17.50	178	3343277m	117.401	ng/ul	
71) Anthracene	17.59	178	1024384	35.467	ng/ul	97
74) Carbazole	17.85	167	69654m	2.911	ng/ul	
76) Fluoranthene	19.52	202	2730779m	82.994	ng/ul	
79) Pyrene	19.88	202	3740541m	104.555	ng/ul	
82) Benzo(a)anthracene	21.73	228	2609074	70.752	ng/ul#	85
84) Chrysene	21.80	228	2676654	77.768	ng/ul#	84
87) Benzo(b)fluoranthene	24.01	252	2154642	60.578	ng/ul	96
88) Benzo(k)fluoranthene	24.05	252	856634m	25.049	ng/ul	
90) Benzo(a)pyrene	24.90	252	2027154m	59.809	ng/ul	
91) Indeno(1,2,3-cd)pyrene	28.80	276	613906m	15.529	ng/ul	
92) Dibenzo(a,h)anthracene	28.84	278	268030m	8.312	ng/ul	
93) Benzo(g,h,i)perylene	29.98	276	587262m	17.793	ng/ul	

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

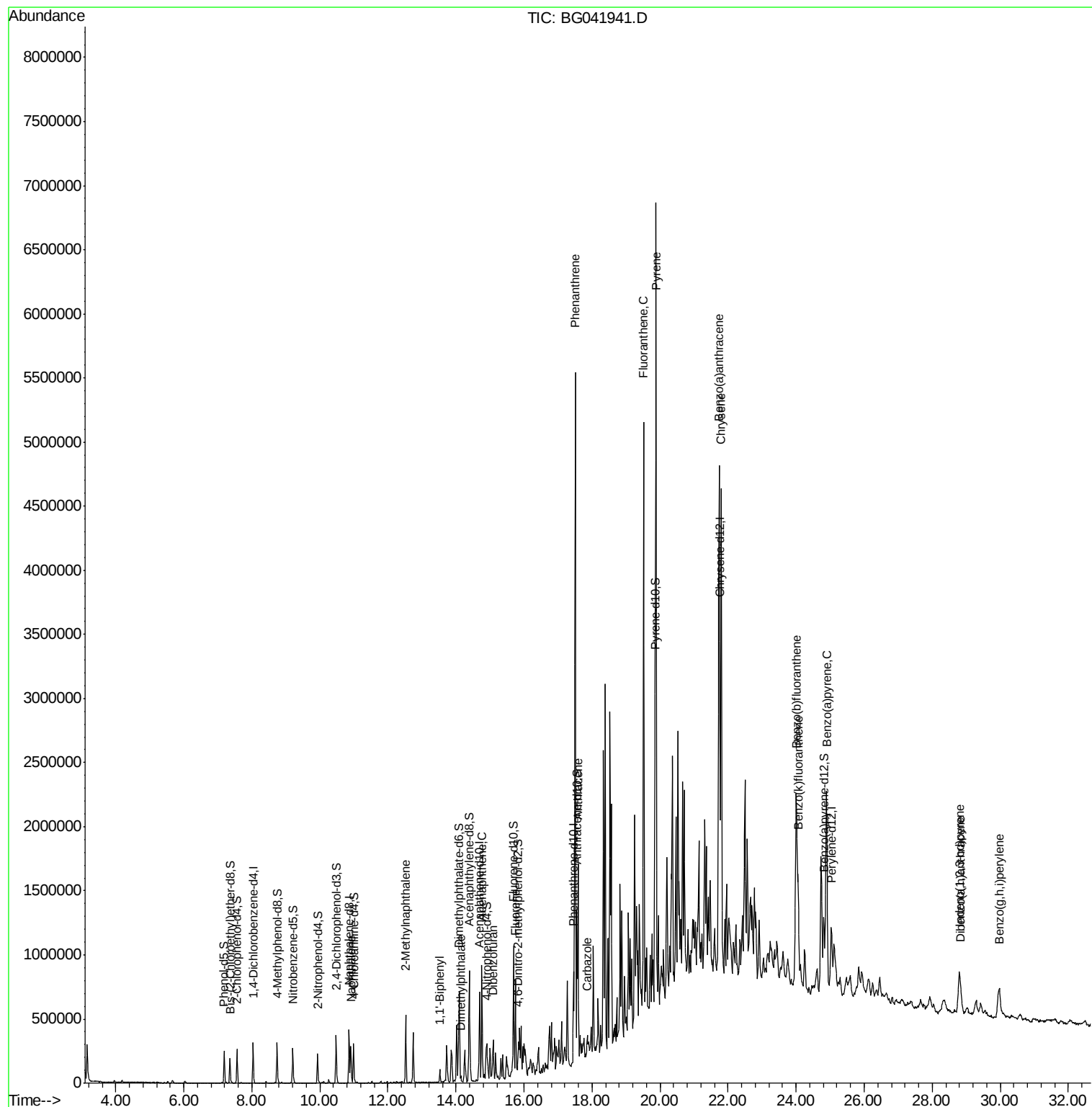
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
Data File : BG041941.D
Acq On : 4 Aug 2019 13:46
Operator : HP/JU
Sample : K3850-09
Misc :
ALS Vial : 42 Sample Multiplier: 1

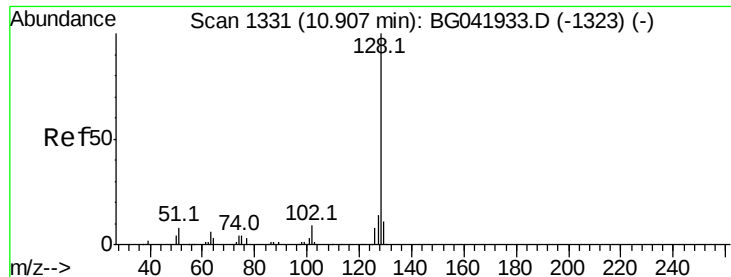
Instrument :
BNA_G
ClientSampleId :
BENQ3

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
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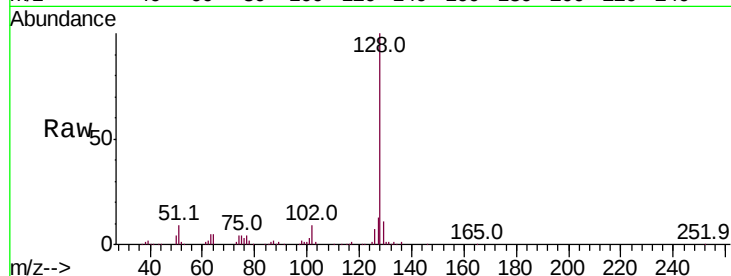
#28
Naphthalene
Concen: 11.948 ng/ul
RT: 10.91 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BG041941.D
Acq: 4 Aug 2019 13:46

Instrument :
BNA_G
ClientSampleId :
BENQ3

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	12.8	11.4	17.0

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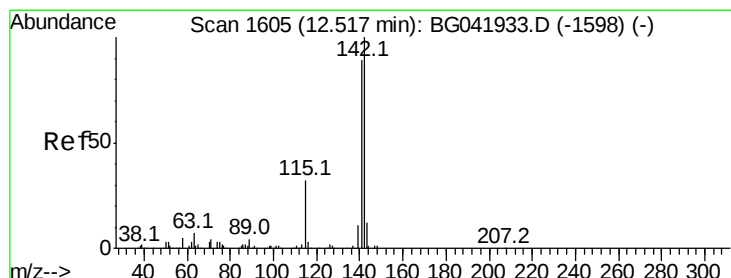
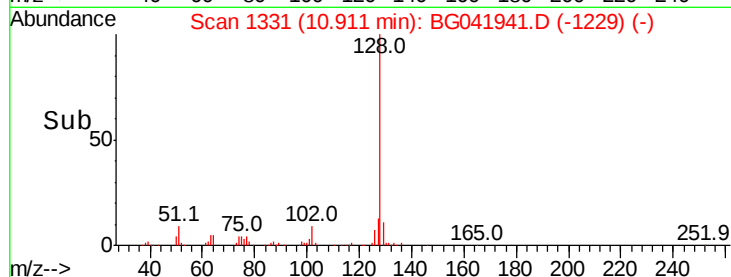
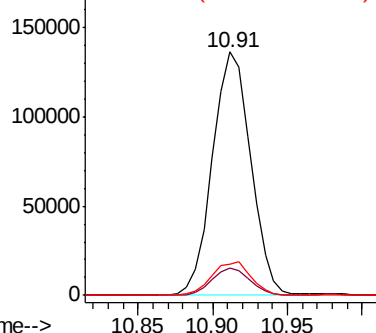


Abundance

Ion 128.00 (127.70 to 128.70): E

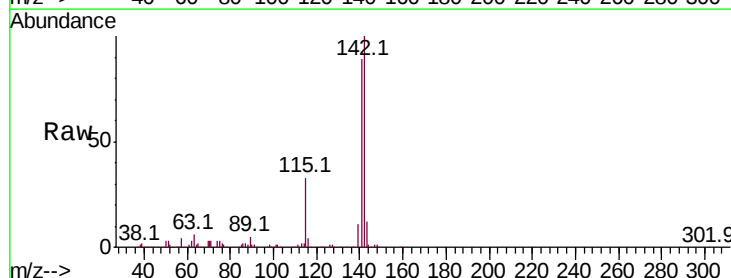
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 16.450 ng/ul
RT: 12.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BG041941.D
Acq: 4 Aug 2019 13:46

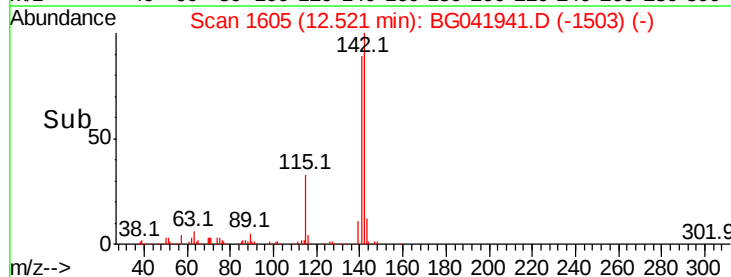
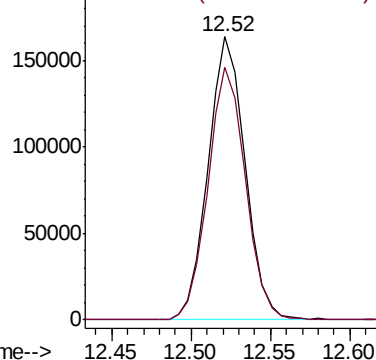
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	72.9	109.3

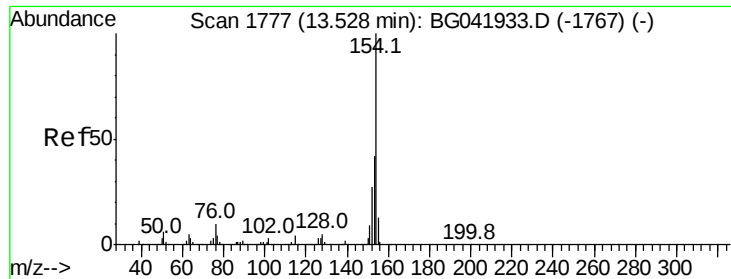


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





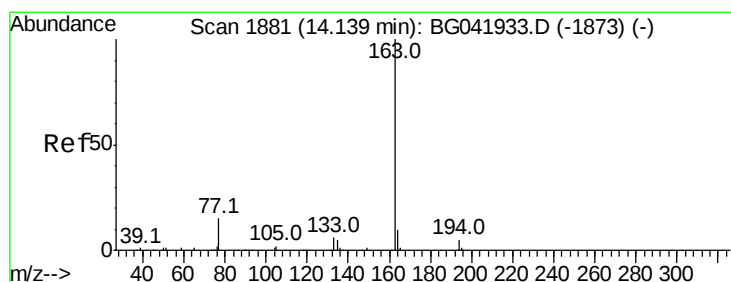
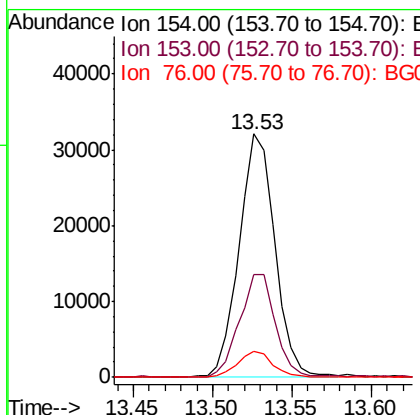
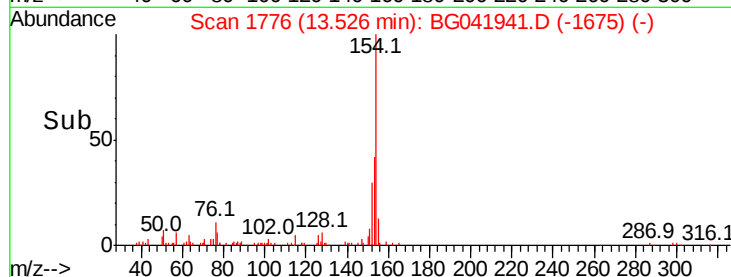
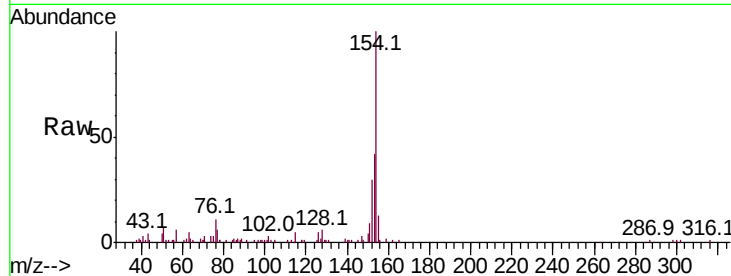
#40
 1,1'-Biphenyl
 Concen: 2.651 ng/ul
 RT: 13.53 min Scan# 1776
 Delta R.T. -0.00 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Tot Ion:	154	Resp:	50296
Ion Ratio	Lower	Upper	
154	100		
153	42.1	32.6	48.8
76	10.9	8.6	13.0

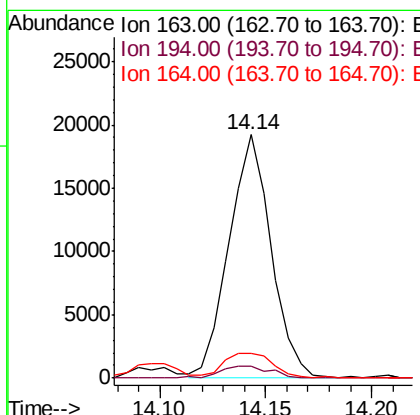
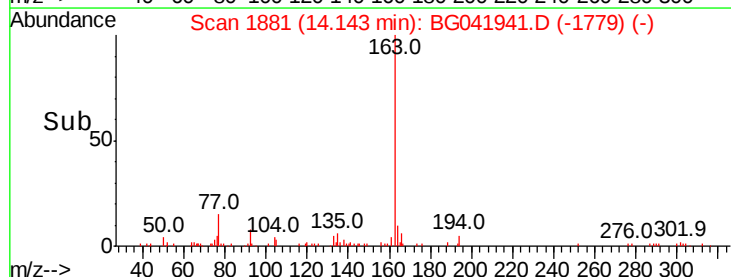
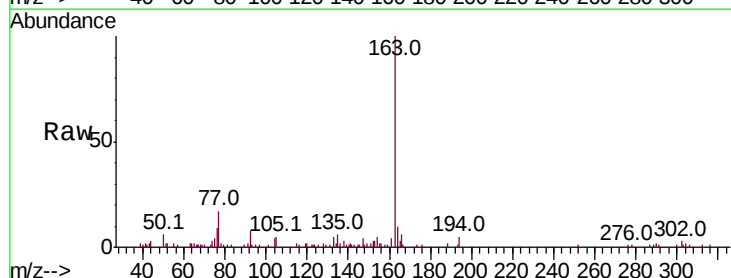
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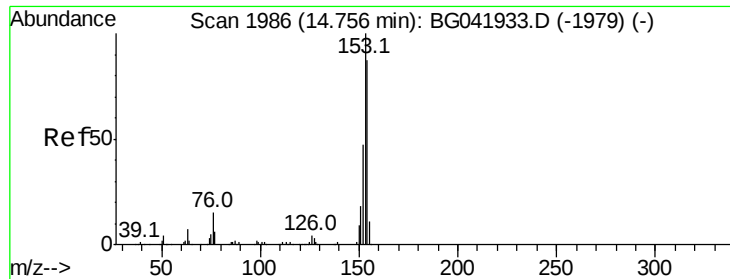
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#44
 Dimethylphthalate
 Concen: 1.322 ng/ul
 RT: 14.14 min Scan# 1881
 Delta R.T. 0.00 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Tgt Ion:	163	Resp:	26574
Ion Ratio	Lower	Upper	
163	100		
194	5.1	4.2	6.2
164	9.9	7.8	11.8





#49

Acenaphthene

Concen: 24.406 ng/ul

RT: 14.77 min Scan# 1987

Delta R.T. 0.01 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Instrument :

BNA_G

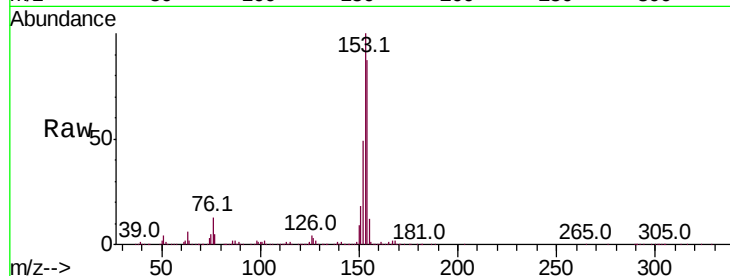
ClientSampleId :

BENQ3

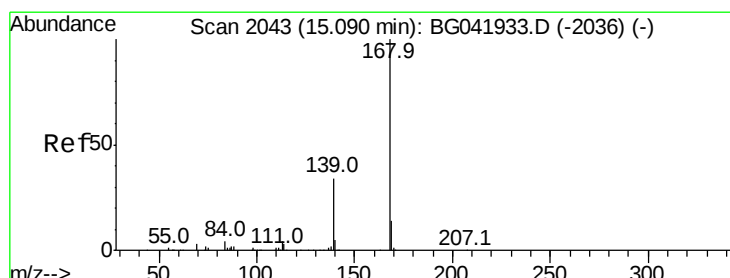
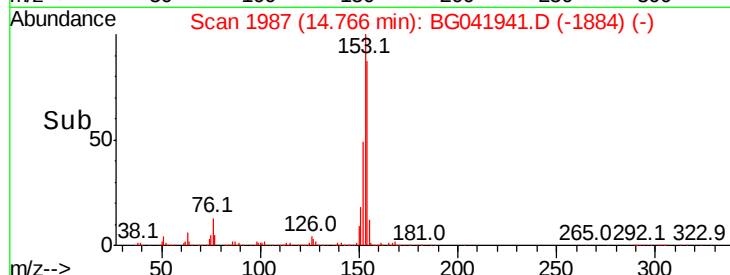
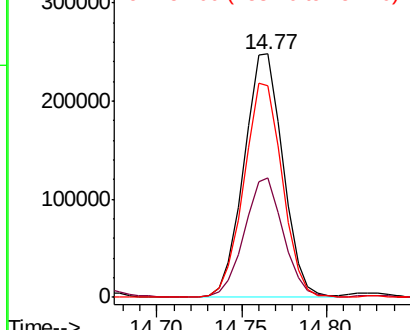
Tot Ion:	153	Resp:	398187
Ion Ratio	Lower	Upper	
153	100		
152	48.9	37.8	56.8
154	87.0	69.4	104.2

Manual Integrations
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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: 3.227 ng/ul

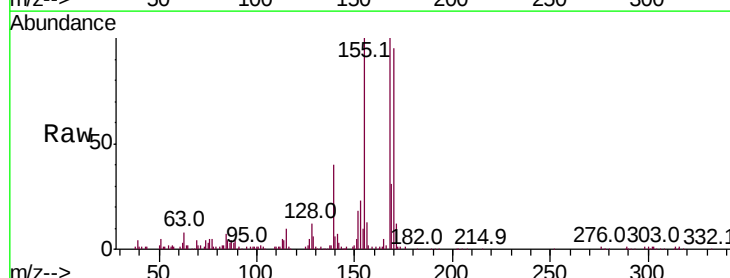
RT: 15.09 min Scan# 2043

Delta R.T. 0.00 min

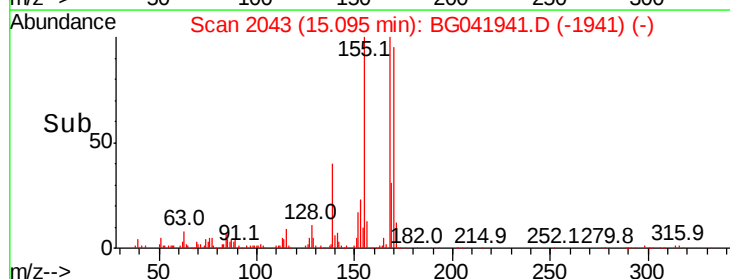
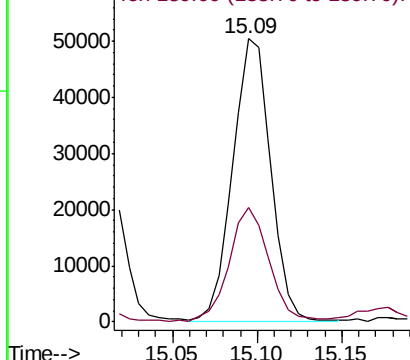
Lab File: BG041941.D

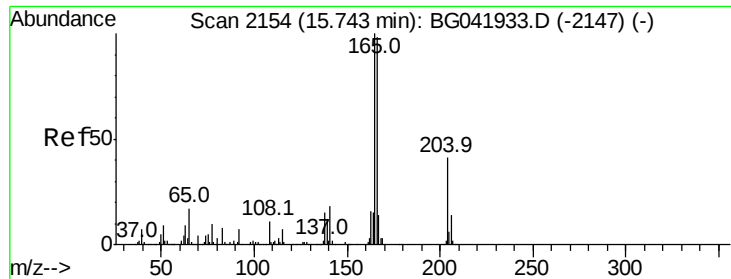
Acq: 4 Aug 2019 13:46

Tgt Ion:	168	Resp:	78576
Ion Ratio	Lower	Upper	
168	100		
139	40.4	27.3	40.9



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





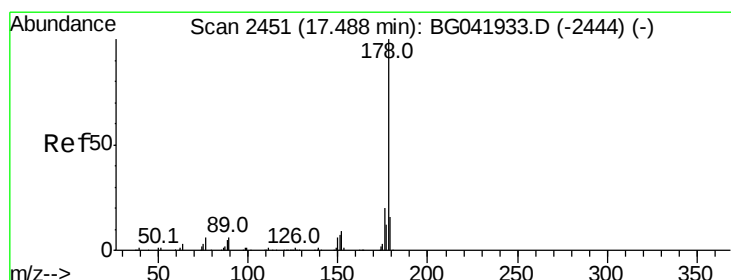
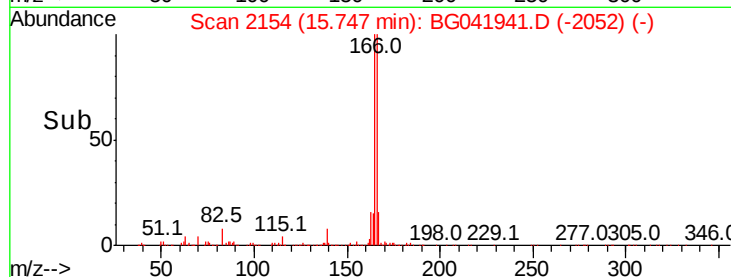
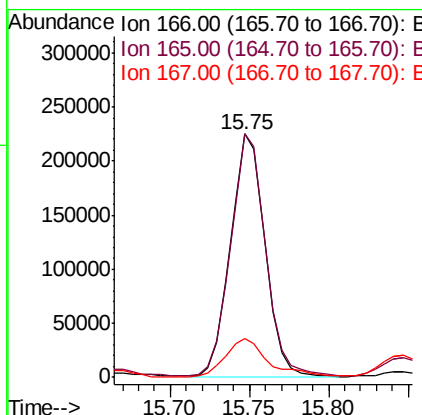
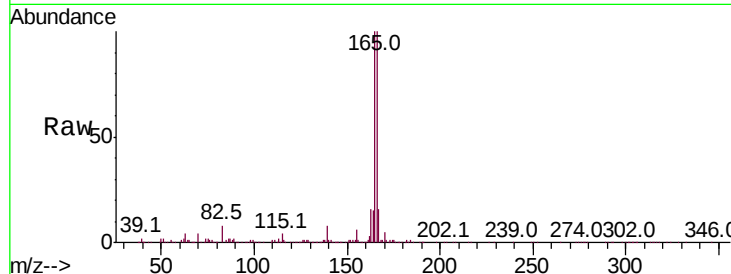
#58
Fluorene
 Concen: 17.133 ng/ul
 RT: 15.75 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.1	81.1	121.7
167	16.0	11.0	16.4

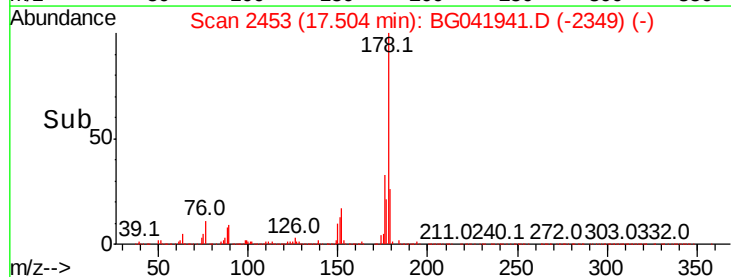
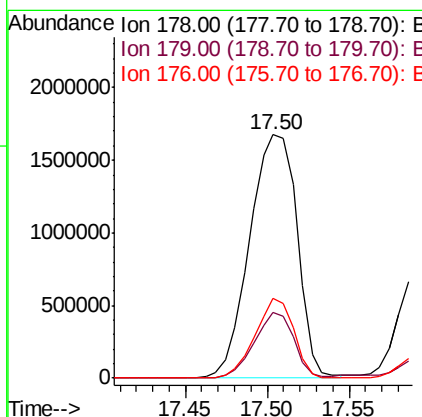
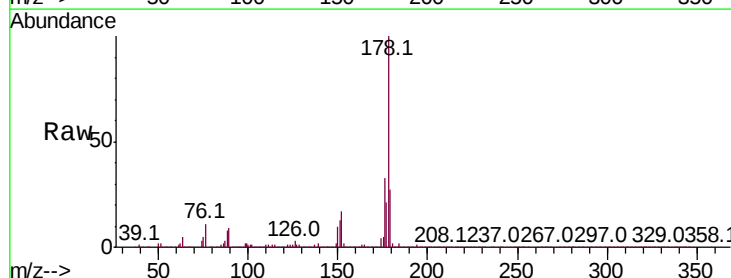
Manual Integrations
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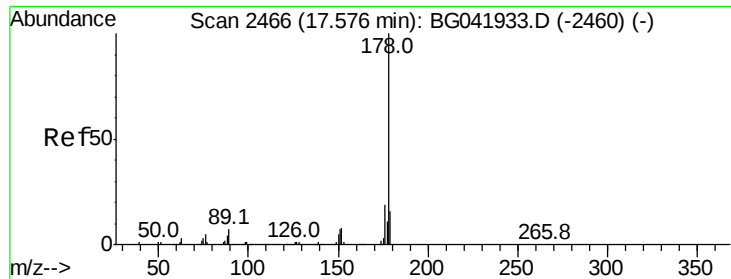
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#69
Phenanthrene
 Concen: 117.401 ng/ul m
 RT: 17.50 min Scan# 2453
 Delta R.T. 0.01 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	26.7	12.8	19.2#
176	32.6	15.4	23.2#





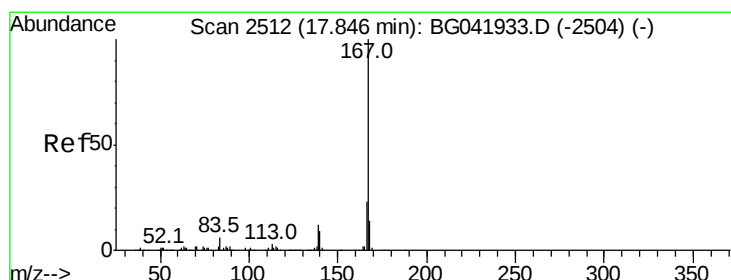
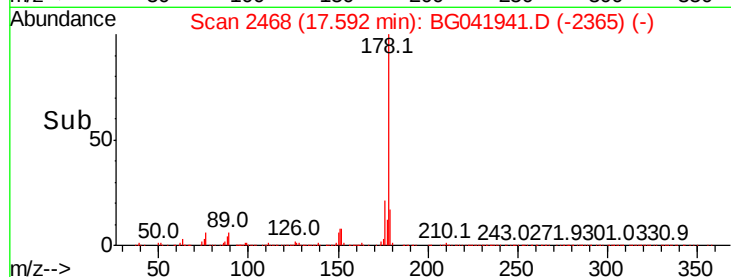
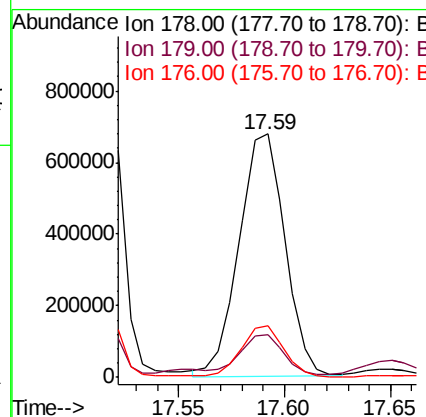
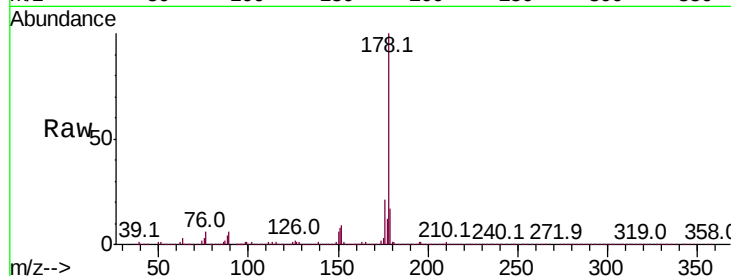
#71
 Anthracene
 Concen: 35.467 ng/ul
 RT: 17.59 min Scan# 2468
 Delta R.T. 0.01 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.3	13.4	20.0
176	21.0	15.4	23.2

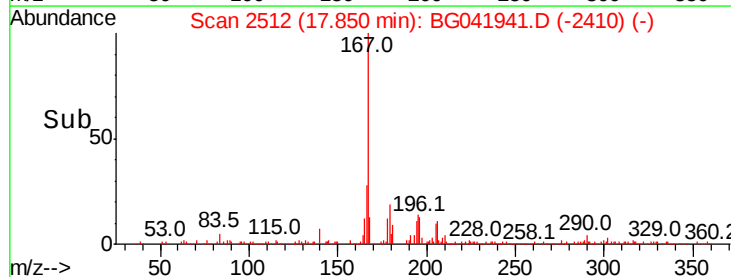
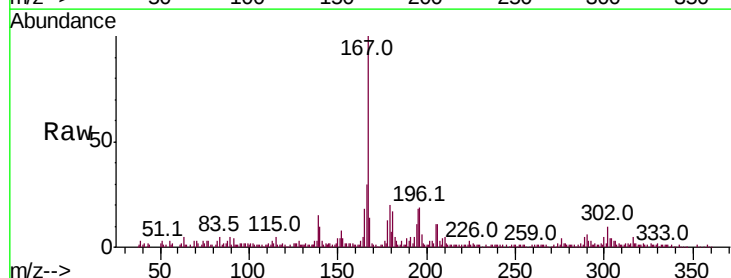
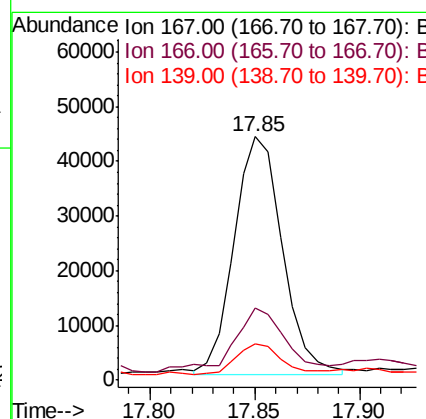
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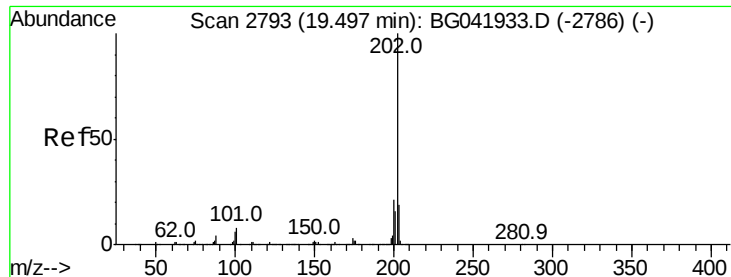
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#74
 Carbazole
 Concen: 2.911 ng/ul m
 RT: 17.85 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	29.8	18.2	27.4#
139	15.1	9.6	14.4#





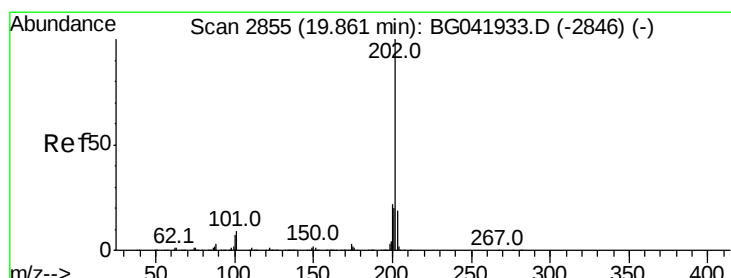
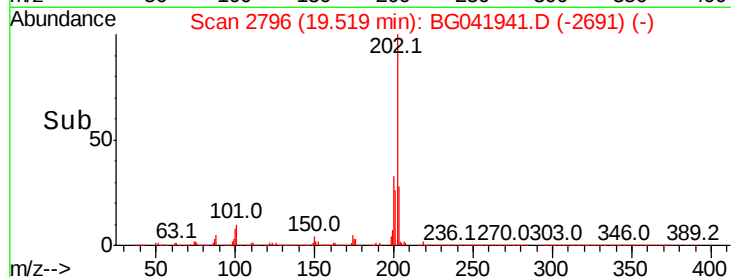
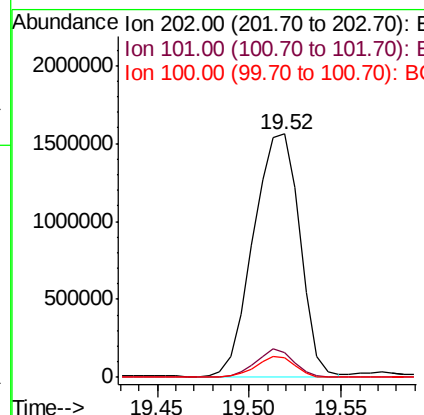
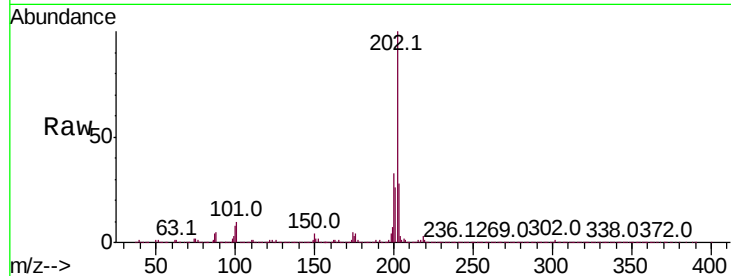
#76
 Fluoranthene
 Concen: 82.994 ng/ul m
 RT: 19.52 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Instrument :
 BNA_G
 ClientSampleId :
 BENQ3

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	6.7	10.1#
100	8.2	5.3	7.9#

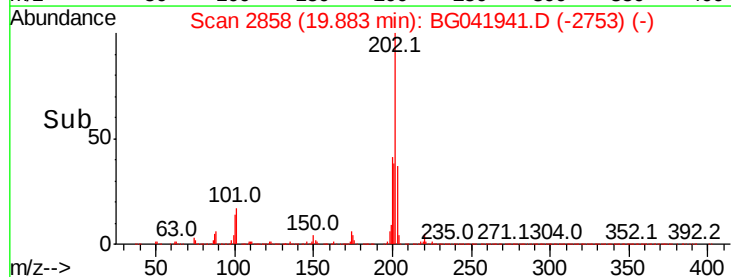
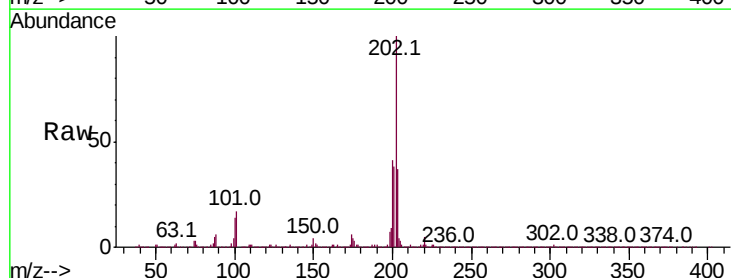
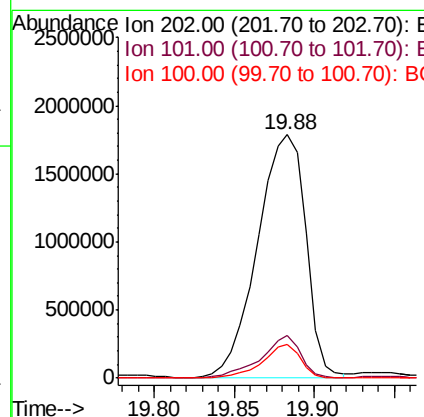
Manual Integrations
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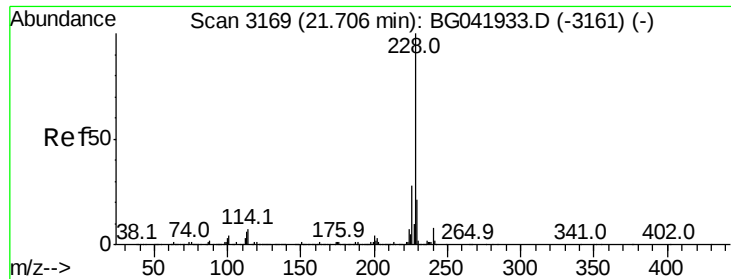
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#79
 Pyrene
 Concen: 104.555 ng/ul m
 RT: 19.88 min Scan# 2858
 Delta R.T. 0.02 min
 Lab File: BG041941.D
 Acq: 4 Aug 2019 13:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.3	7.6	11.4#
100	13.9	6.5	9.7#





#82

Benzo(a)anthracene

Concen: 70.752 ng/ul

RT: 21.73 min Scan# 3173

Delta R.T. 0.02 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Instrument :

BNA_G

ClientSampleId :

BENQ3

Tot Ion:228 Resp: 2609074

Ion Ratio Lower Upper

228 100

229 28.6

226 36.7

17.0

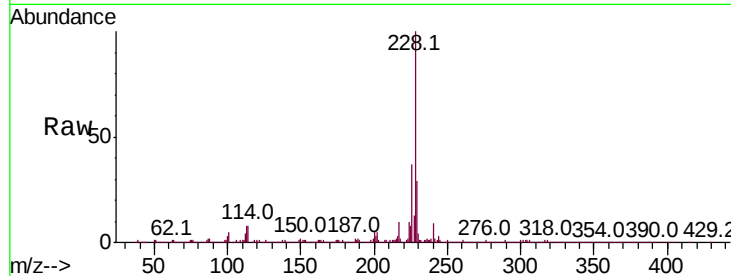
23.3

25.6#

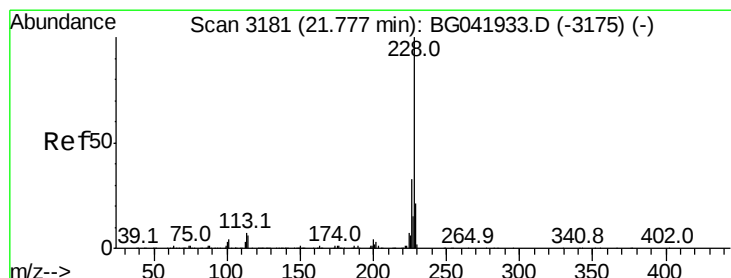
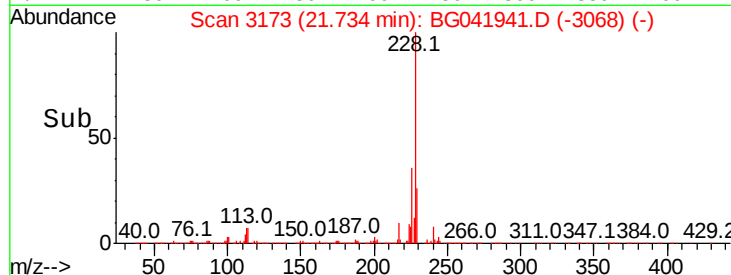
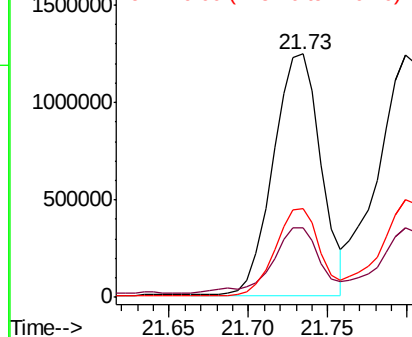
34.9#

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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: 77.768 ng/ul

RT: 21.80 min Scan# 3184

Delta R.T. 0.02 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Tgt Ion:228 Resp: 2676654

Ion Ratio Lower Upper

228 100

226 40.2

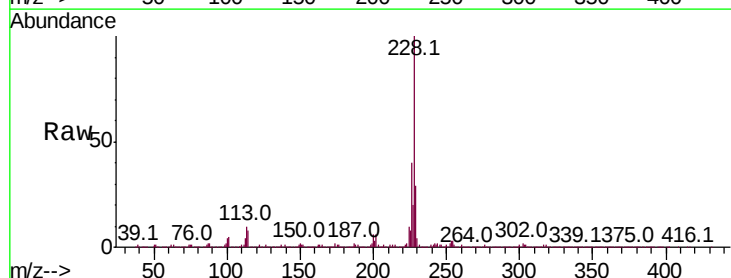
229 28.7

25.7

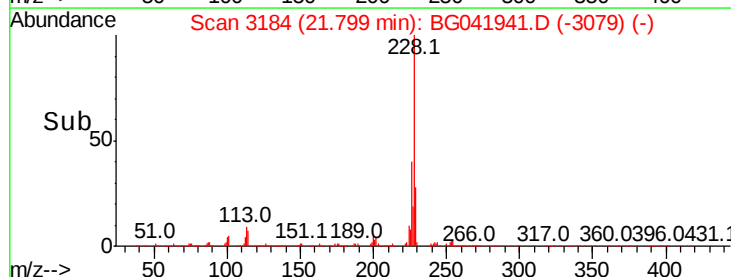
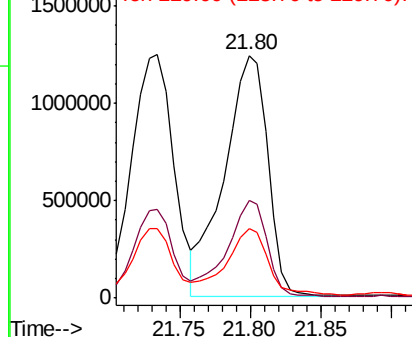
16.6

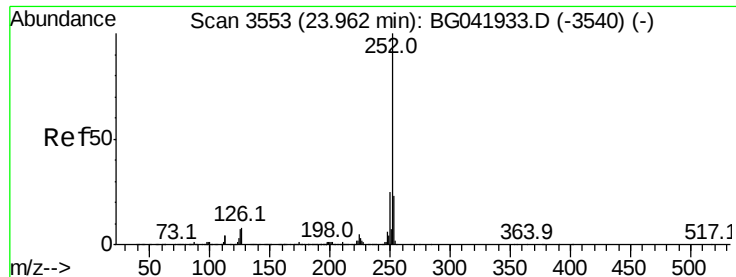
38.5#

24.8#



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: 60.578 ng/ul

RT: 24.01 min Scan# 3560

Delta R.T. 0.04 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Instrument :

BNA_G

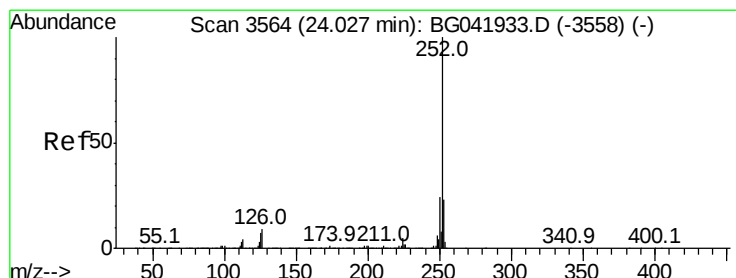
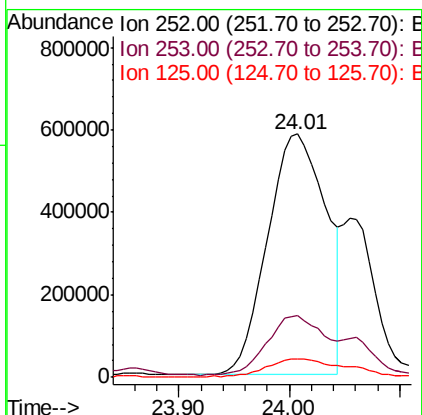
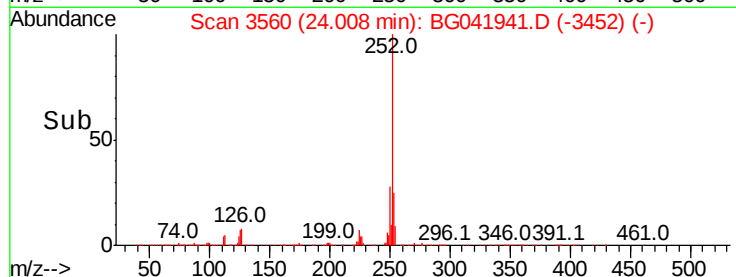
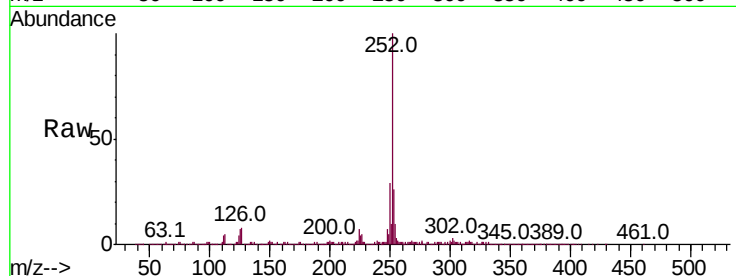
ClientSampleId :

BENQ3

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	7.5	5.8	8.8

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#88

Benzo(k)fluoranthene

Concen: 25.049 ng/ul m

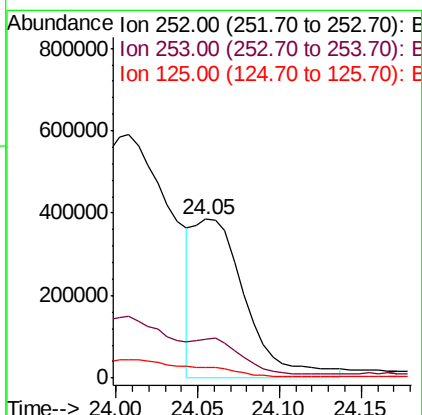
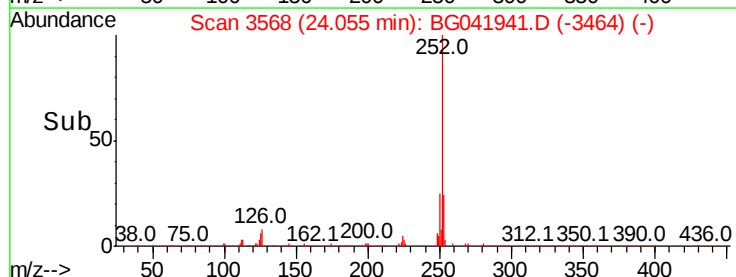
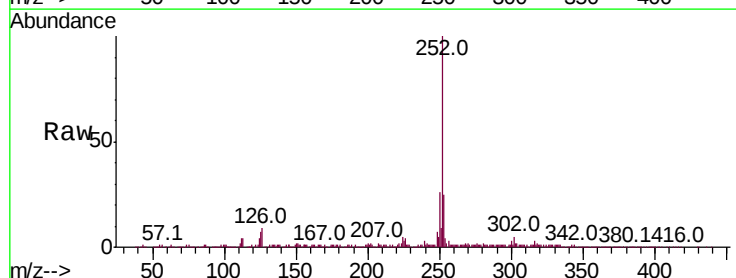
RT: 24.05 min Scan# 3568

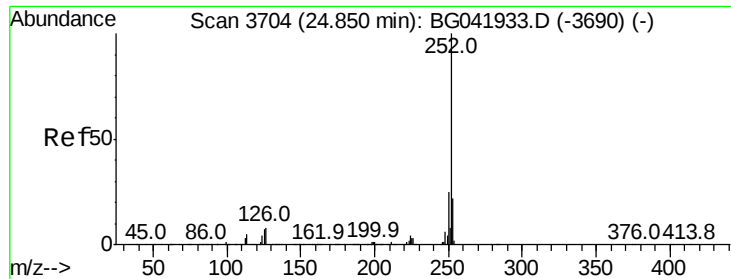
Delta R.T. 0.01 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.3	27.5
125	7.0	5.5	8.3





#90

Benzo(a)pyrene

Concen: 59.809 ng/ul m

RT: 24.90 min Scan# 3711

Delta R.T. 0.04 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Instrument :

BNA_G

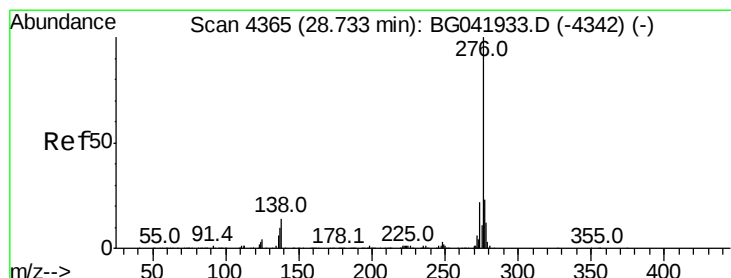
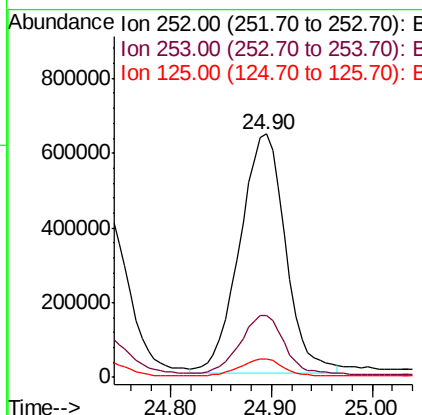
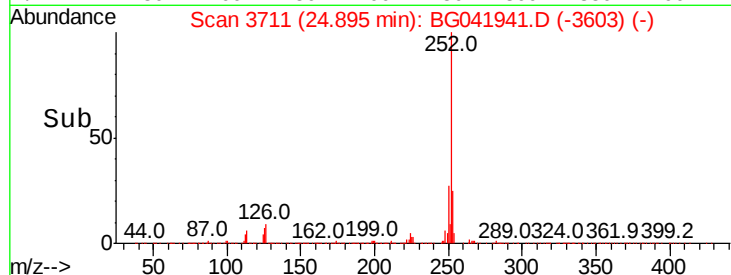
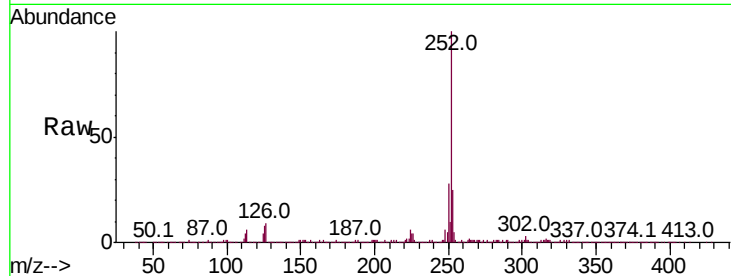
ClientSampleId :

BENQ3

Tot Ion:	252	Resp:	2027154
Ion Ratio	Lower	Upper	
252	100		
253	25.4	18.3	27.5
125	7.5	6.5	9.7

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#91

Indeno(1,2,3-cd)pyrene

Concen: 15.529 ng/ul m

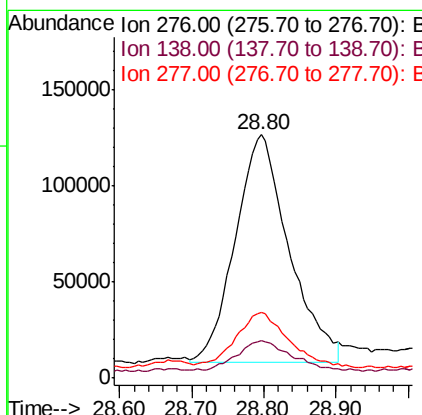
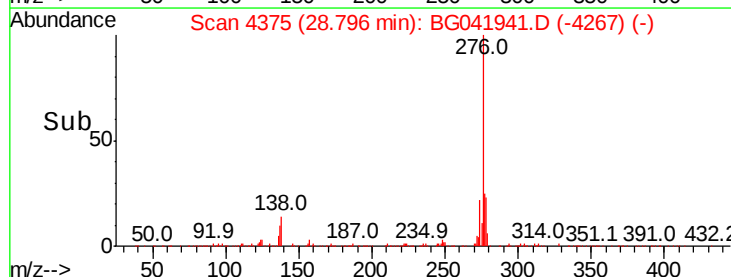
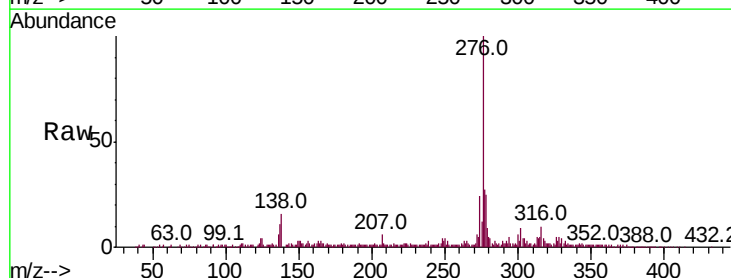
RT: 28.80 min Scan# 4375

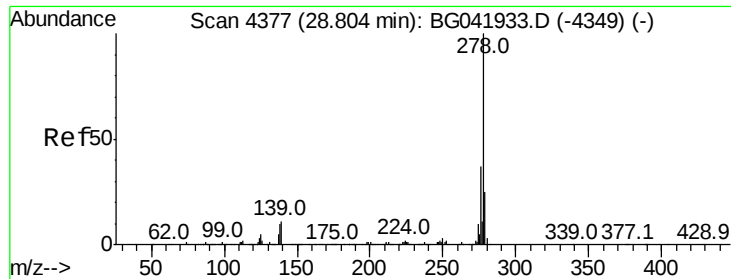
Delta R.T. 0.04 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Tgt Ion:	276	Resp:	613906
Ion Ratio	Lower	Upper	
276	100		
138	15.6	12.0	18.0
277	26.7	19.2	28.8





#92

Dibenzo(a,h)anthracene

Concen: 8.312 ng/ul m

RT: 28.84 min Scan# 4382

Delta R.T. 0.01 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Instrument :

BNA_G

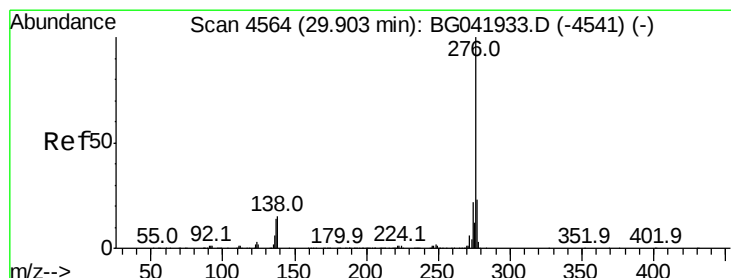
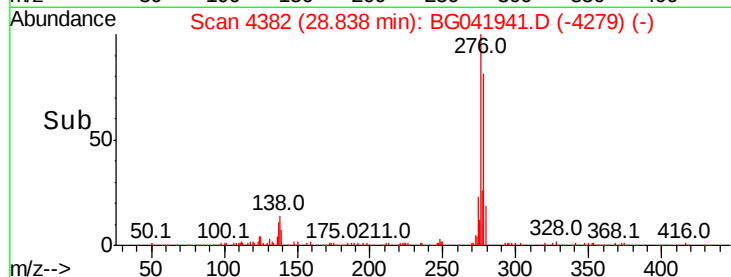
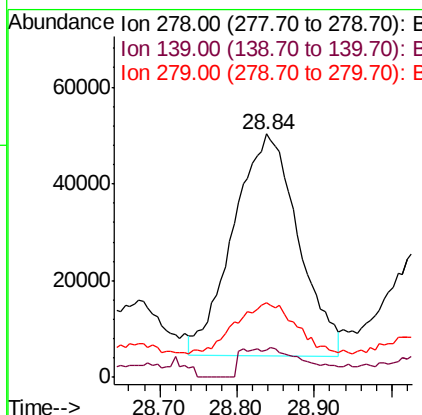
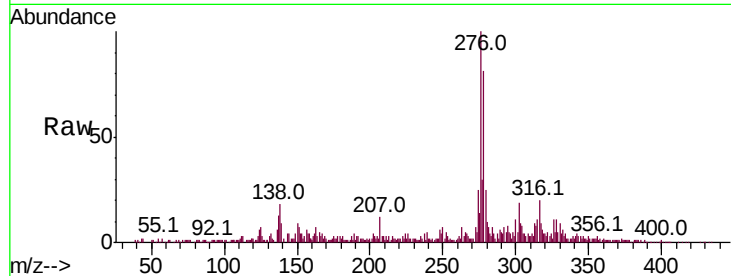
ClientSampleId :

BENQ3

Tot Ion:	278	Resp:	268030
Ion Ratio	Lower	Upper	
278	100		
139	11.1	9.4	14.0
279	30.5	19.2	28.8#

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 17.793 ng/ul m

RT: 29.98 min Scan# 4576

Delta R.T. 0.05 min

Lab File: BG041941.D

Acq: 4 Aug 2019 13:46

Tgt Ion:	276	Resp:	587262
Ion Ratio	Lower	Upper	
276	100		
138	14.3	12.6	18.8
277	25.2	19.2	28.8

