

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
 Data File : BG041940.D
 Acq On : 4 Aug 2019 13:07
 Operator : HP/JU
 Sample : K3850-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1

Manual Integrations
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mohammad
 8/6/2019 12:18:38 PM

Quant Time: Aug 06 11:59:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 05 01:19:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	104531	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	425739	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	285667	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.46	188	575033	20.00	ng/ul	0.01
77) Chrysene-d12	21.76	240	593394	20.00	ng/ul	0.03
85) Perylene-d12	25.05	264	614779m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	6790	2.84	ng/uL	0.00
5) Phenol-d5	7.18	99	175255	21.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.36	67	102550	22.35	ng/ul	0.00
9) 2-Chlorophenol-d4	7.56	132	163275	23.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	151690	22.02	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	84982	26.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	104169	27.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	187388	24.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	209642	25.15	ng/ul	0.00
43) Dimethylphthalate-d6	14.10	166	541428	24.44	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	696241	27.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	78733	21.16	ng/ul	0.01
57) Fluorene-d10	15.69	176	489657	24.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.83	200	31109	8.43	ng/ul	0.03
70) Anthracene-d10	17.56	188	742317	26.91	ng/ul	0.01
78) Pyrene-d10	19.85	212	838957	25.34	ng/ul	0.01
89) Benzo(a)pyrene-d12	24.83	264	874527	27.23	ng/ul	0.06

Target Compounds

					Qvalue	
28) Naphthalene	10.92	128	519232	23.856	ng/ul	99
34) 2-Methylnaphthalene	12.53	142	490336	28.344	ng/ul	99
40) 1,1'-Biphenyl	13.53	154	88989	4.284	ng/ul	99
49) Acenaphthene	14.76	153	658860	36.888	ng/ul	97
53) Dibenzofuran	15.10	168	133593	5.012	ng/ul	93
58) Fluorene	15.75	166	554801	25.840	ng/ul	99
69) Phenanthrene	17.51	178	4231402m	134.414	ng/ul	
71) Anthracene	17.60	178	1494176	46.797	ng/ul	95
74) Carbazole	17.85	167	117883	4.457	ng/ul#	89
76) Fluoranthene	19.52	202	3418810	93.993	ng/ul#	86
79) Pyrene	19.89	202	4514343	113.099	ng/ul#	68
82) Benzo(a)anthracene	21.74	228	3355303	81.552	ng/ul#	75
84) Chrysene	21.81	228	3480375	90.634	ng/ul#	73
87) Benzo(b)fluoranthene	24.02	252	2871512	74.429	ng/ul	95
88) Benzo(k)fluoranthene	24.07	252	1029778m	27.761	ng/ul	
90) Benzo(a)pyrene	24.91	252	2804929	76.295	ng/ul	93
91) Indeno(1,2,3-cd)pyrene	28.82	276	861523	20.091	ng/ul	94
92) Dibenzo(a,h)anthracene	28.85	278	320423m	9.161	ng/ul	
93) Benzo(g,h,i)perylene	29.99	276	885233	24.726	ng/ul	97

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

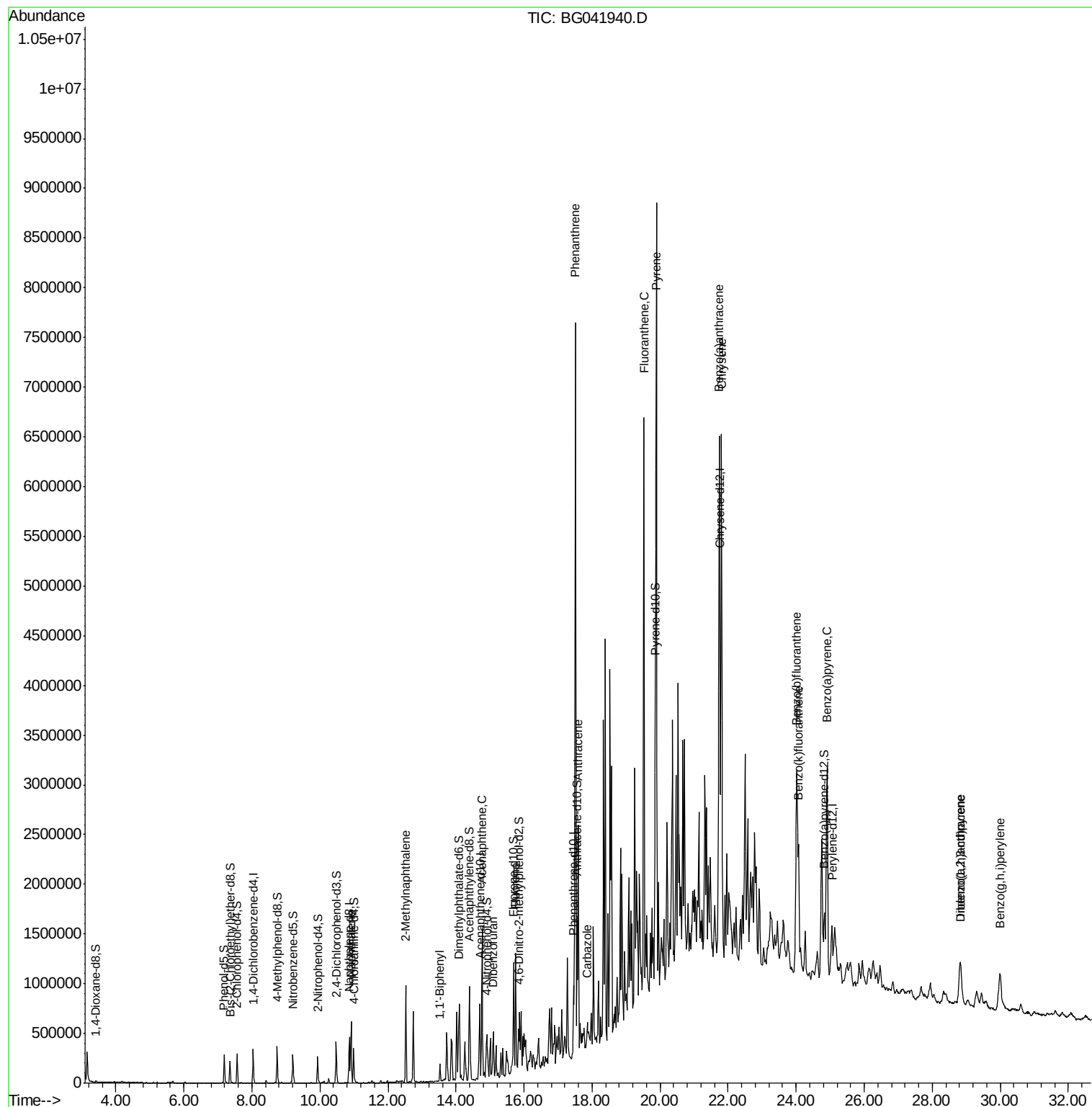
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
Data File : BG041940.D
Acq On : 4 Aug 2019 13:07
Operator : HP/JU
Sample : K3850-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

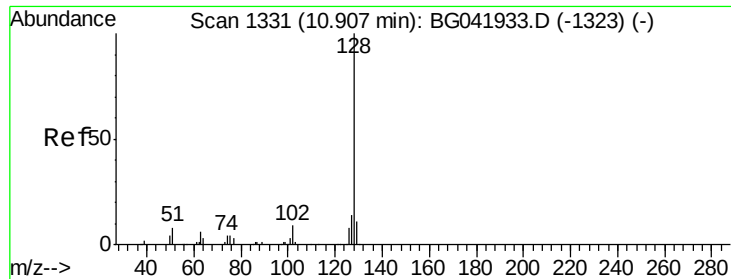
Instrument :
BNA_G
ClientSampled :
BENQ1

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Quant Time: Aug 06 11:59:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
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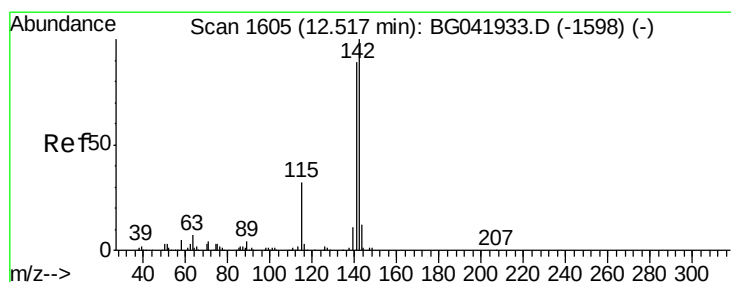
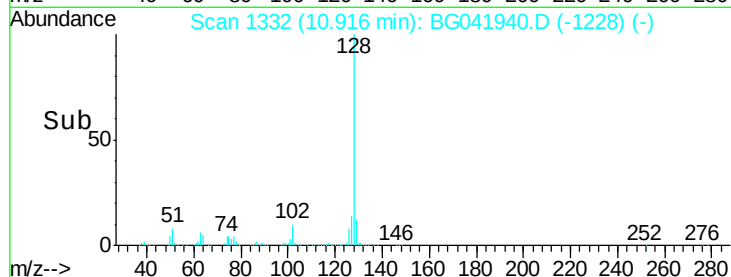
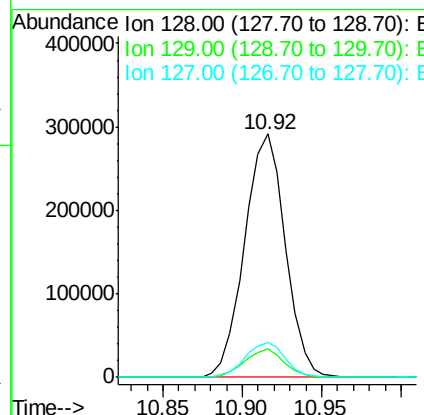
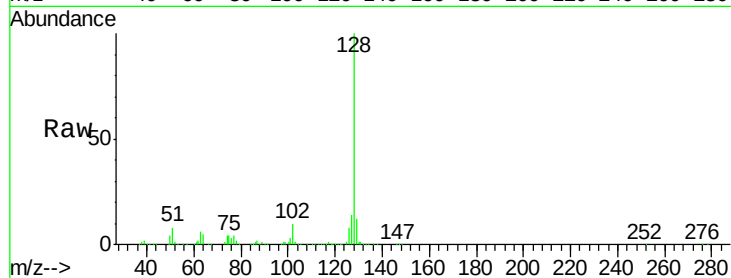
#28
Naphthalene
Concen: 23.856 ng/ul
RT: 10.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BG041940.D
Acq: 4 Aug 2019 13:07

Instrument :
BNA_G
ClientSampleId :
BENQ1

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.5	14.3
127	14.4	11.4	17.0

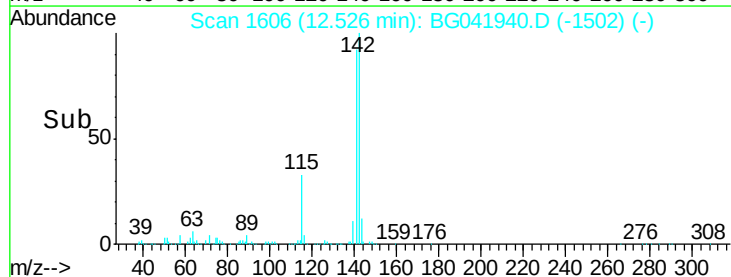
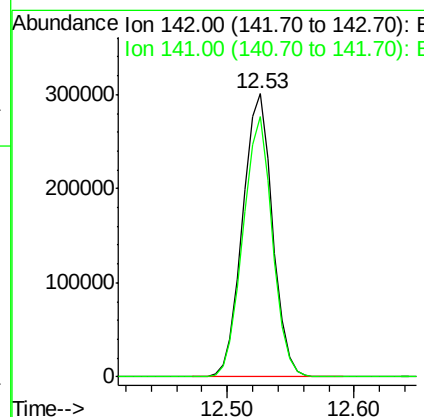
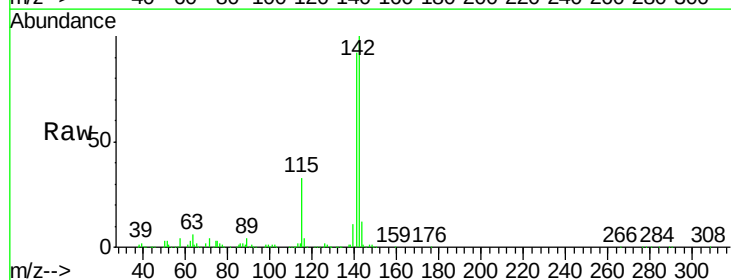
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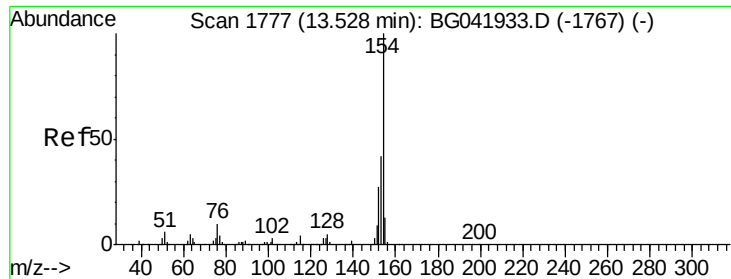
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#34
2-Methylnaphthalene
Concen: 28.344 ng/ul
RT: 12.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BG041940.D
Acq: 4 Aug 2019 13:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.9	109.3





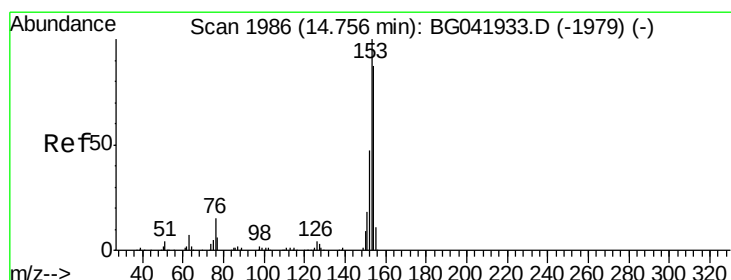
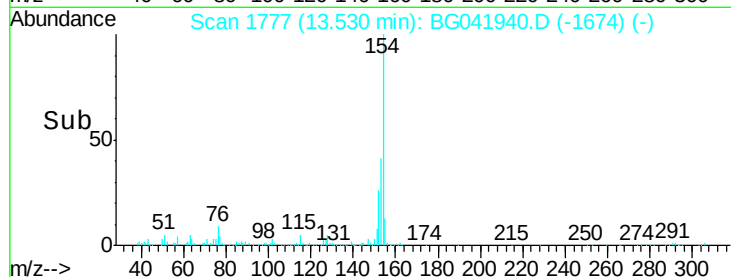
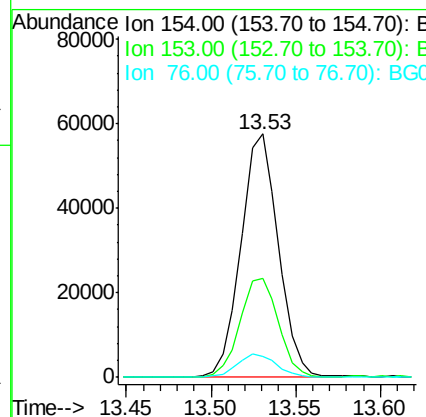
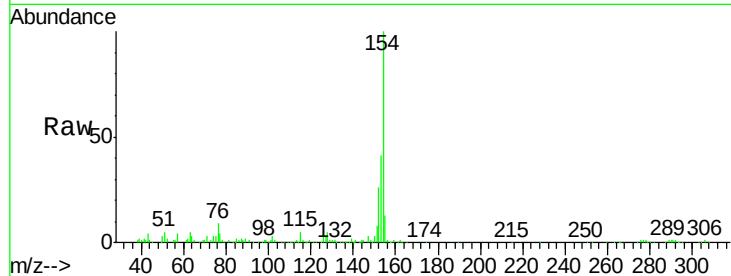
#40
 1,1'-Biphenyl
 Concen: 4.284 ng/ul
 RT: 13.53 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: BG041940.D
 Acq: 4 Aug 2019 13:07

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	88989		
153	40.8	32.6	48.8	
76	8.8	8.6	13.0	

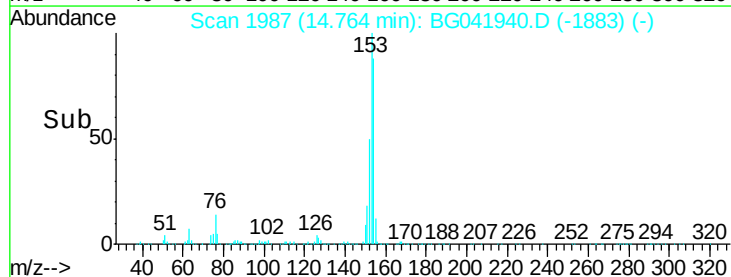
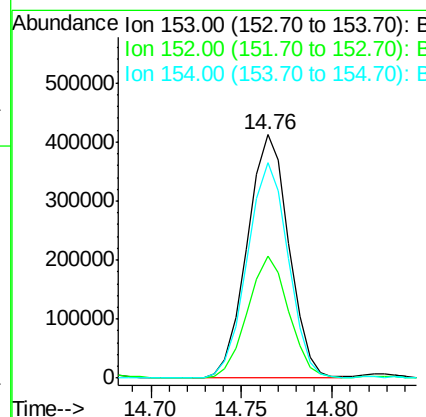
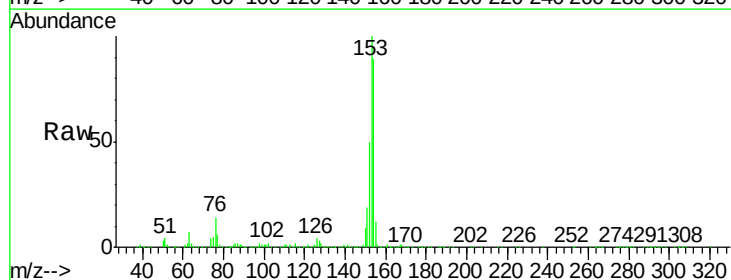
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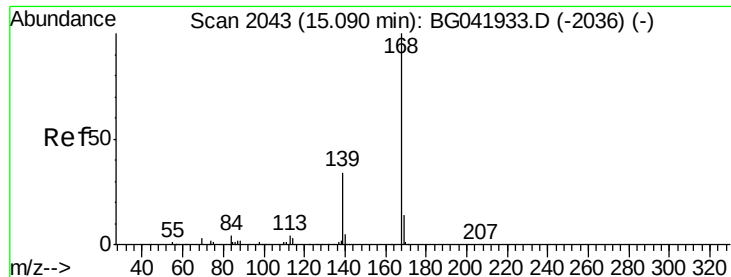
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#49
 Acenaphthene
 Concen: 36.888 ng/ul
 RT: 14.76 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: BG041940.D
 Acq: 4 Aug 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	658860		
152	50.0	37.8	56.8	
154	88.6	69.4	104.2	





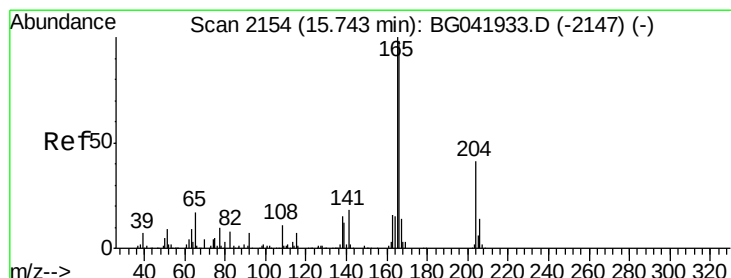
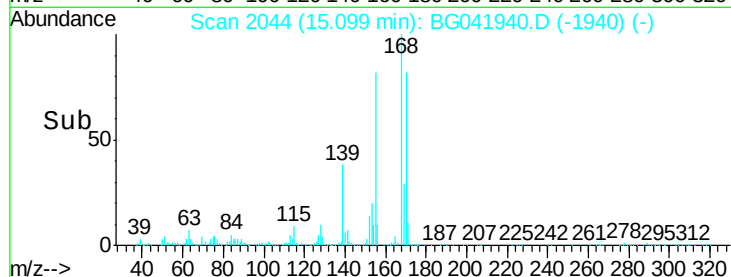
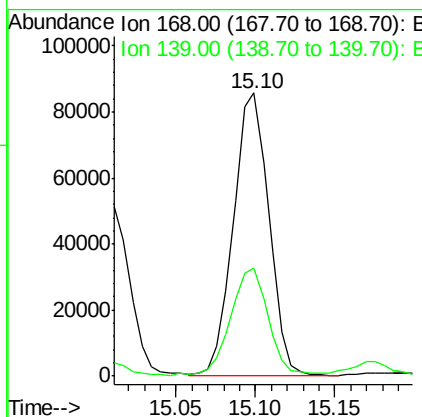
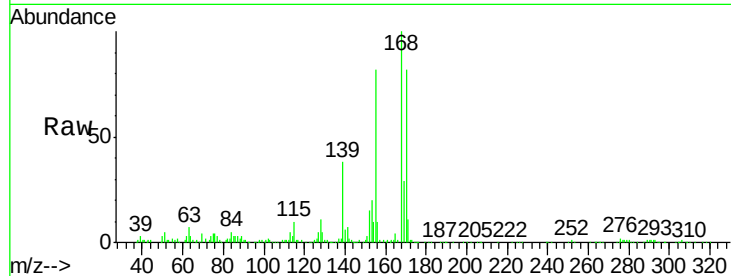
#53
Dibenzenofuran
Concen: 5.012 ng/ul
RT: 15.10 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BG041940.D
Acq: 4 Aug 2019 13:07

Instrument :
BNA_G
ClientSampled :
BENQ1

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	133593		
139	38.4	27.3	40.9	

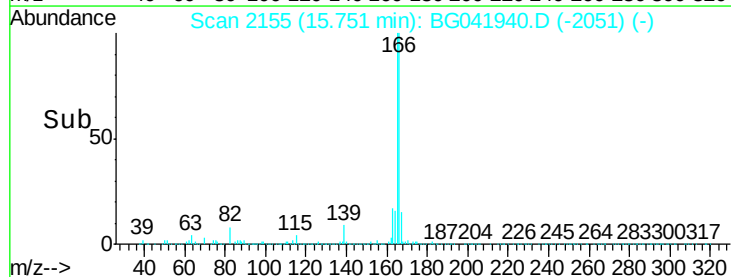
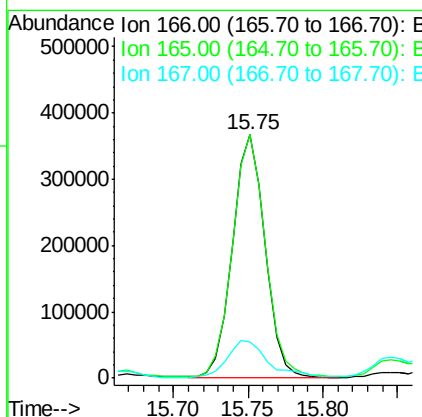
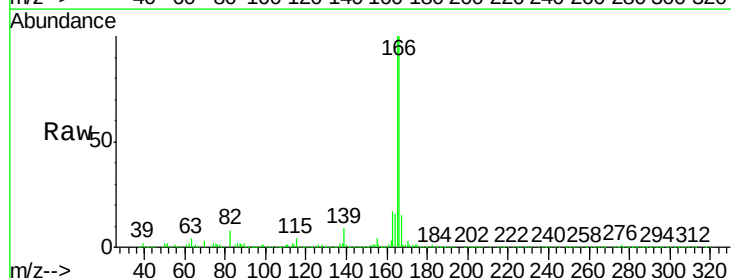
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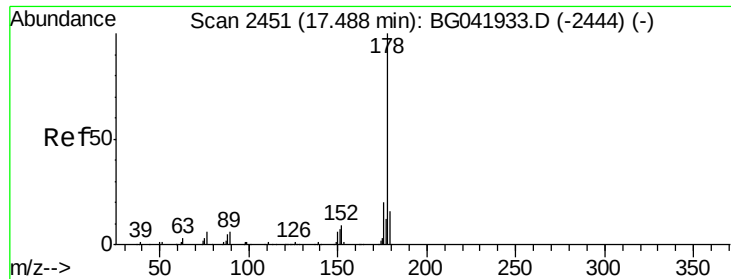
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#58
Fluorene
Concen: 25.840 ng/ul
RT: 15.75 min Scan# 2155
Delta R.T. 0.01 min
Lab File: BG041940.D
Acq: 4 Aug 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	554801		
165	100.2	81.1	121.7	
167	15.0	11.0	16.4	





#69

Phenanthrene

Concen: 134.414 ng/ul m

RT: 17.51 min Scan# 2455

Delta R.T. 0.03 min

Lab File: BG041940.D

Acq: 4 Aug 2019 13:07

Instrument :

BNA_G

ClientSampled :

BENQ1

Tgt Ion:178 Resp: 4231402

Ion Ratio Lower Upper

178 100

179 34.5 12.8 19.2#

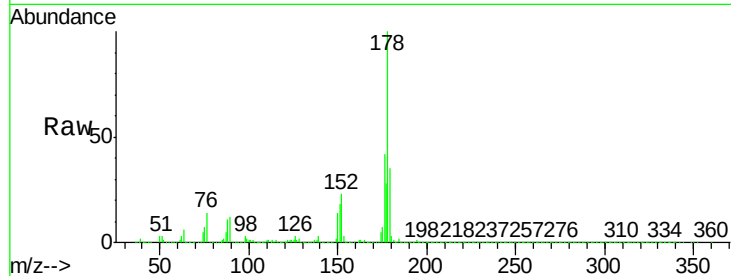
176 42.0 15.4 23.2#

Manual Integrations

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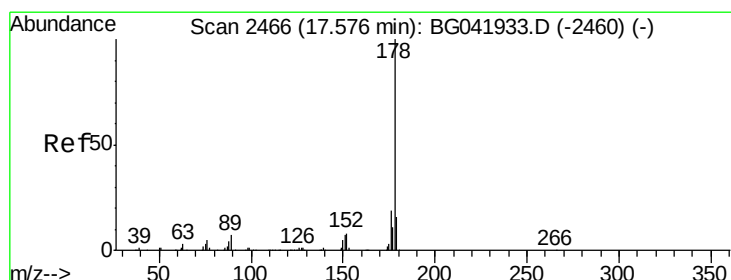
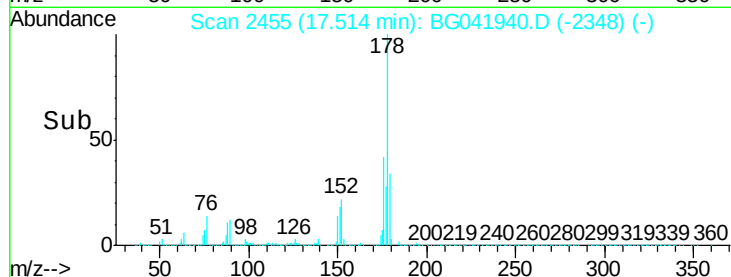
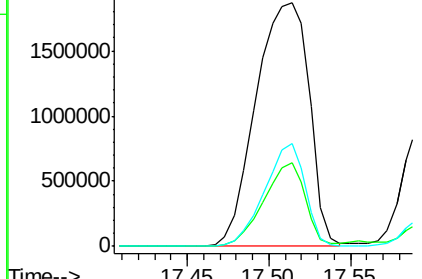
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 46.797 ng/ul

RT: 17.60 min Scan# 2469

Delta R.T. 0.02 min

Lab File: BG041940.D

Acq: 4 Aug 2019 13:07

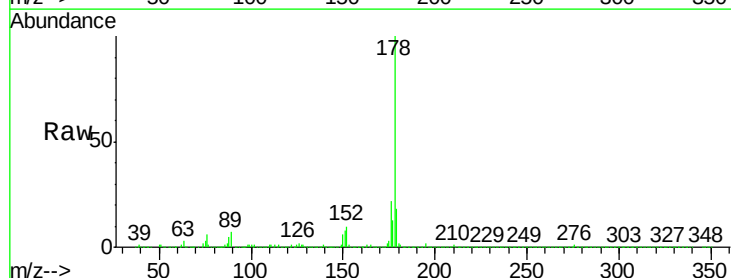
Tgt Ion:178 Resp: 1494176

Ion Ratio Lower Upper

178 100

179 18.5 13.4 20.0

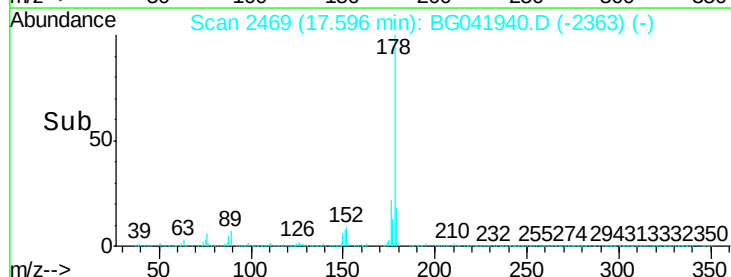
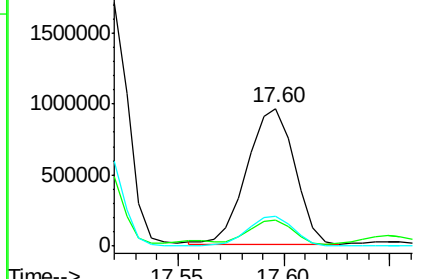
176 22.1 15.4 23.2

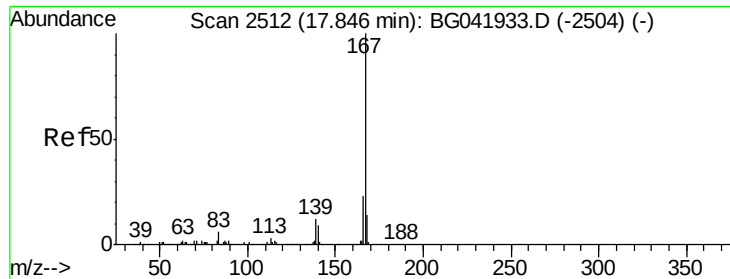


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





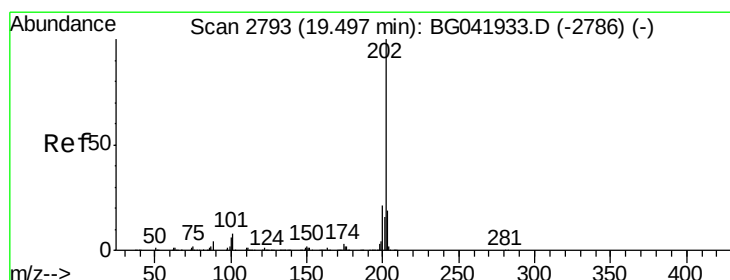
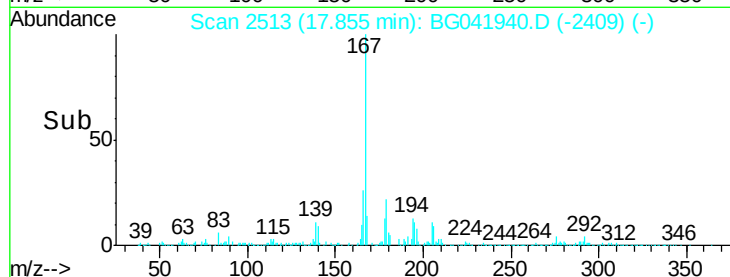
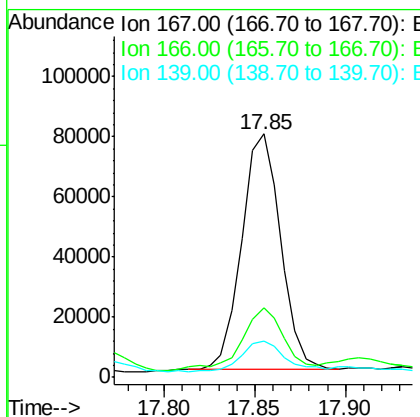
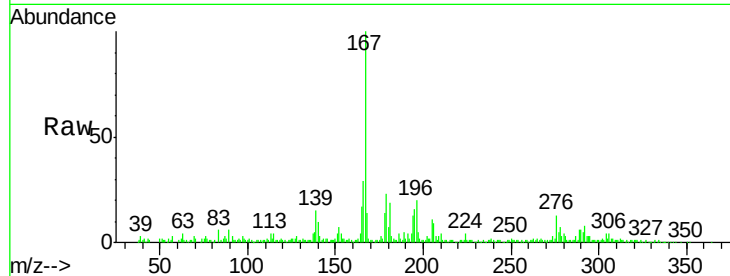
#74
 Carbazole
 Concen: 4.457 ng/ul
 RT: 17.85 min Scan# 2513
 Delta R.T. 0.01 min
 Lab File: BG041940.D
 Acq: 4 Aug 2019 13:07

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1

Tgt Ion	Ratio	Lower	Upper
167	100		
166	28.7	18.2	27.4#
139	15.0	9.6	14.4#

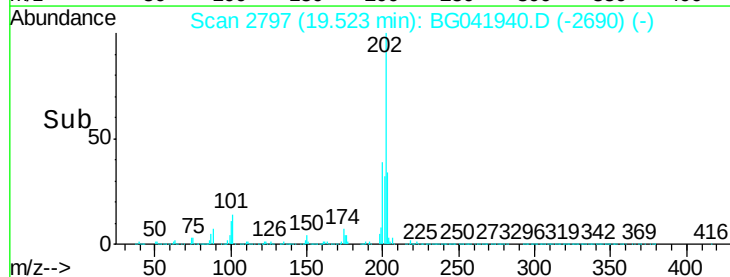
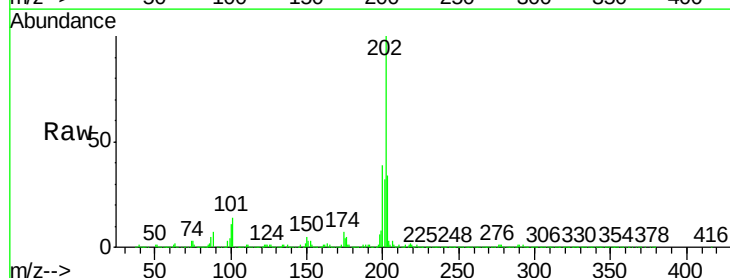
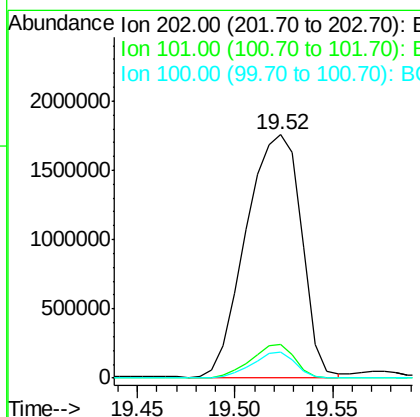
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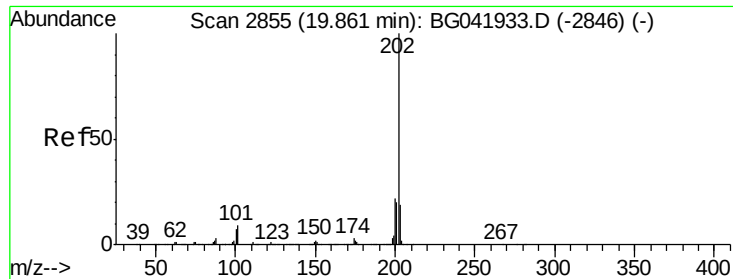
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#76
 Fluoranthene
 Concen: 93.993 ng/ul
 RT: 19.52 min Scan# 2797
 Delta R.T. 0.03 min
 Lab File: BG041940.D
 Acq: 4 Aug 2019 13:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	6.7	10.1#
100	10.6	5.3	7.9#





#79

Pyrene

Concen: 113.099 ng/ul

RT: 19.89 min Scan# 2859

Delta R.T. 0.03 min

Lab File: BG041940.D

Acq: 4 Aug 2019 13:07

Instrument :

BNA_G

ClientSampleId :

BENQ1

Tgt Ion:202 Resp: 4514343

Ion Ratio Lower Upper

202 100

101 22.2 7.6 11.4#

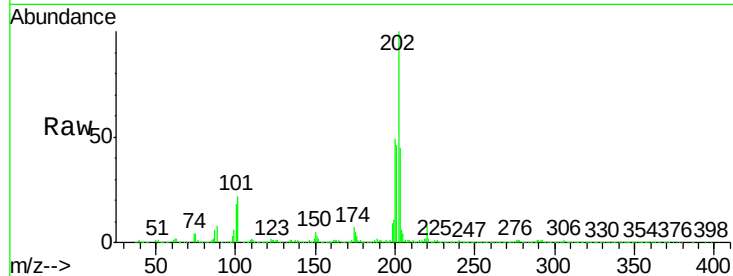
100 18.3 6.5 9.7#

Manual Integrations

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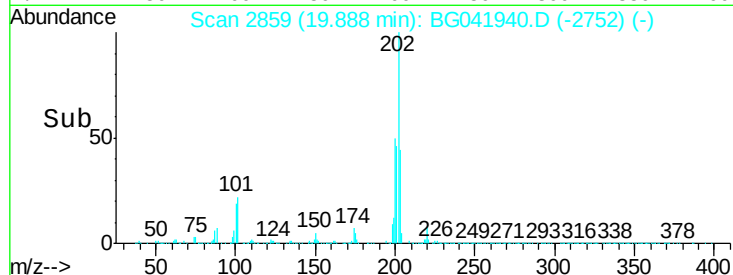


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

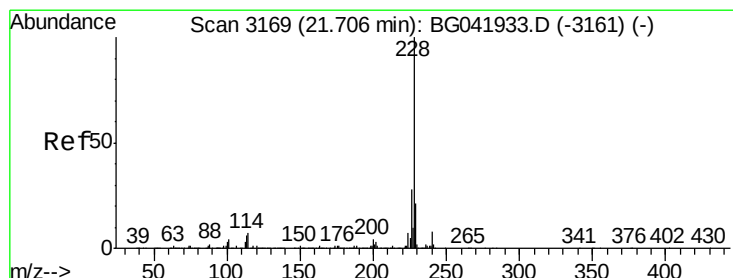
Ion 100.00 (99.70 to 100.70): E

Time-->



Abundance

Time-->



#82

Benzo(a)anthracene

Concen: 81.552 ng/ul

RT: 21.74 min Scan# 3174

Delta R.T. 0.03 min

Lab File: BG041940.D

Acq: 4 Aug 2019 13:07

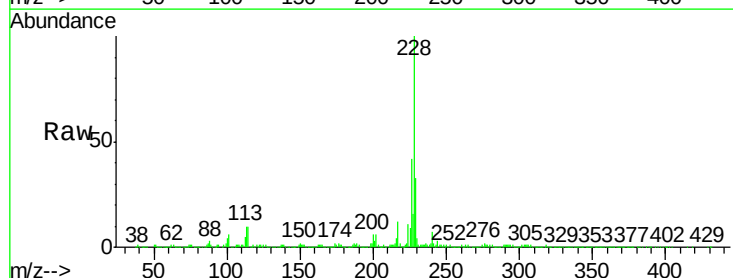
Tgt Ion:228 Resp: 3355303

Ion Ratio Lower Upper

228 100

229 32.9 17.0 25.6#

226 42.3 23.3 34.9#

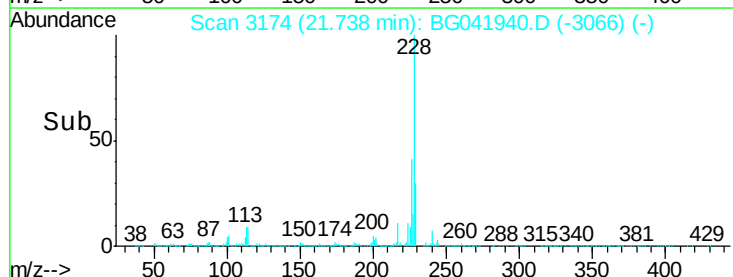


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

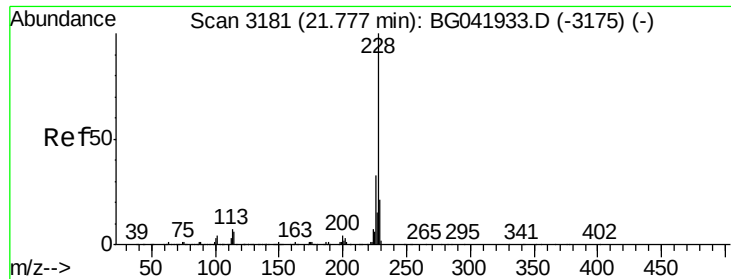
Ion 226.00 (225.70 to 226.70): E

Time-->



Abundance

Time-->



#84

Chrysene

Concen: 90.634 ng/ul

RT: 21.81 min Scan# 3186

Delta R.T. 0.03 min

Lab File: BG041940.D

Acq: 4 Aug 2019 13:07

Instrument :

BNA_G

ClientSampleId :

BENQ1

Tgt Ion:228 Resp: 3480375

Ion Ratio Lower Upper

228 100

226 47.0 25.7 38.5#

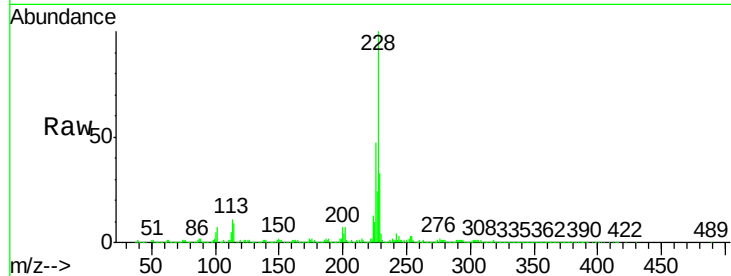
229 33.4 16.6 24.8#

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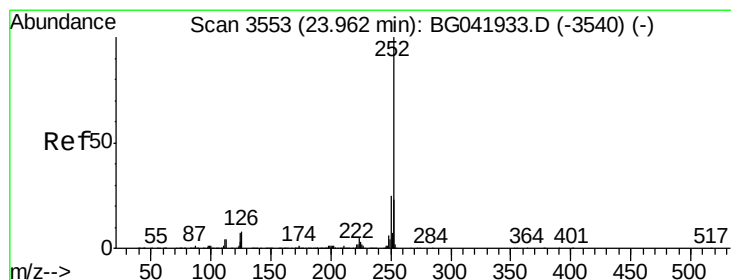
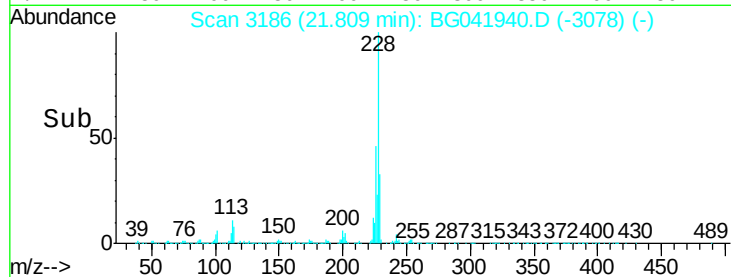
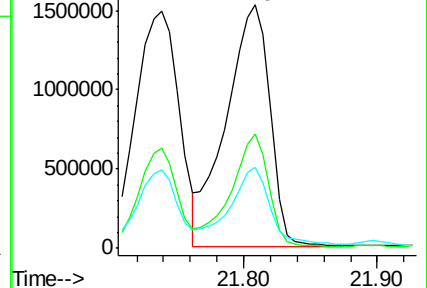
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 74.429 ng/ul

RT: 24.02 min Scan# 3562

Delta R.T. 0.06 min

Lab File: BG041940.D

Acq: 4 Aug 2019 13:07

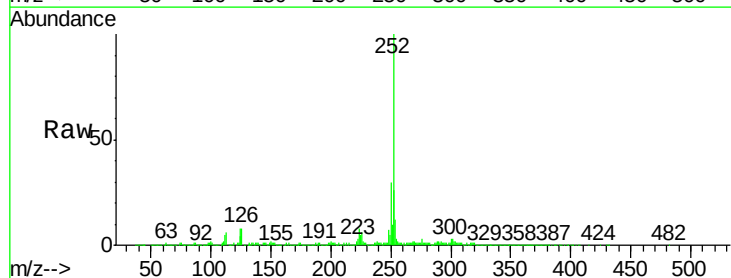
Tgt Ion:252 Resp: 2871512

Ion Ratio Lower Upper

252 100

253 26.0 18.4 27.6

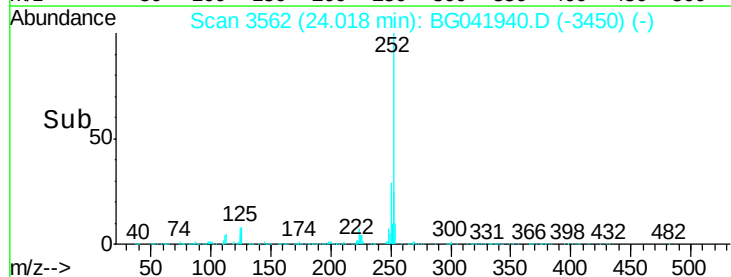
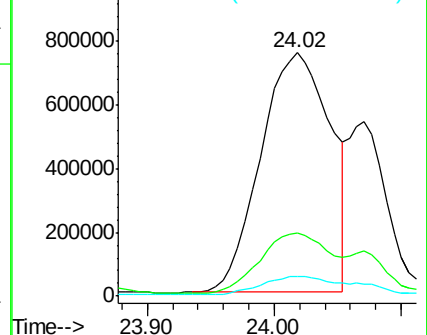
125 8.3 5.8 8.8

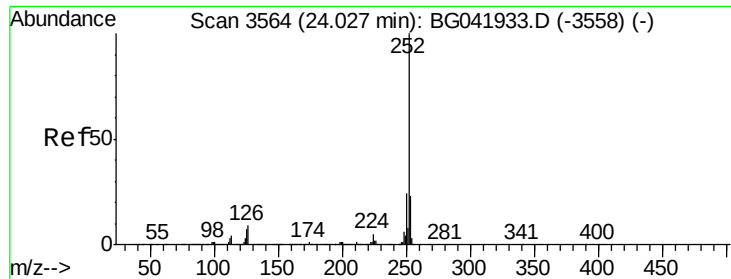


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





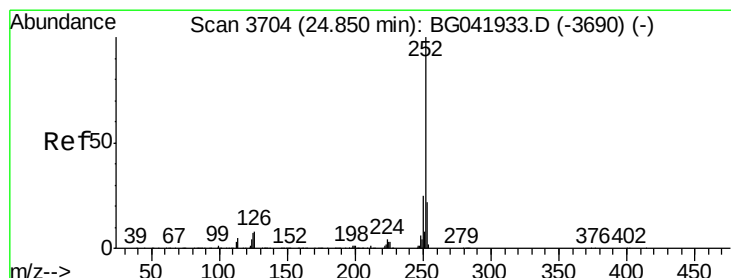
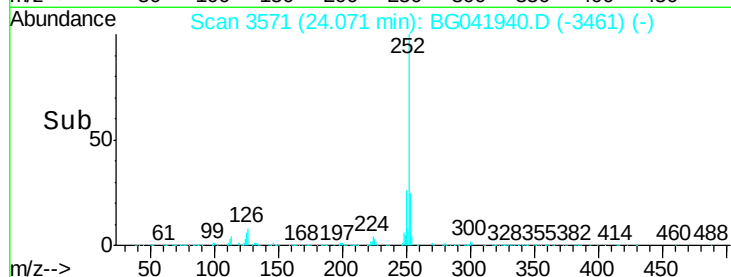
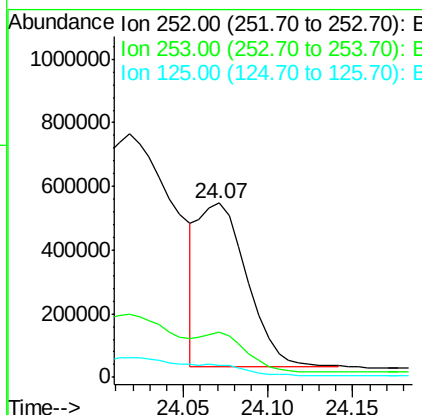
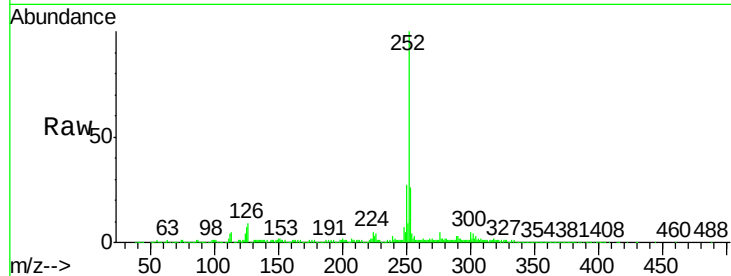
#88
Benzo(k)fluoranthene
Concen: 27.761 ng/ul m
RT: 24.07 min Scan# 3571
Delta R.T. 0.04 min
Lab File: BG041940.D
Acq: 4 Aug 2019 13:07

Instrument :
BNA_G
ClientSampled :
BENQ1

Tgt Ion:252 Resp: 1029778
Ion Ratio Lower Upper
252 100
253 25.9 18.3 27.5
125 7.1 5.5 8.3

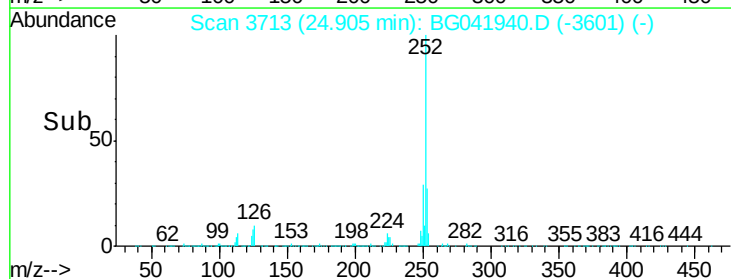
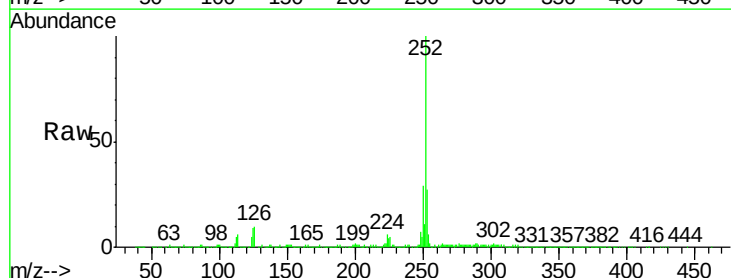
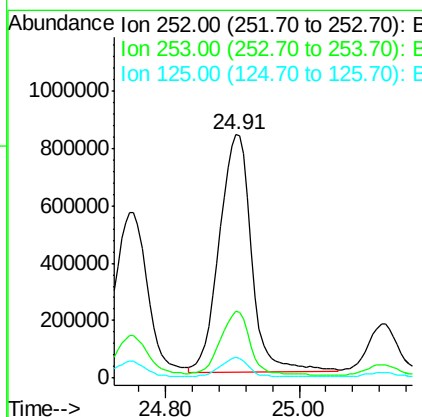
Manual Integrations
APPROVED

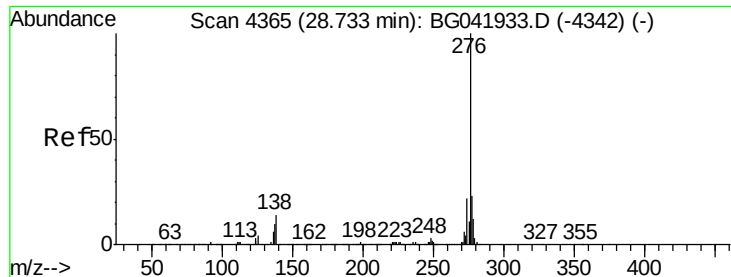
mohammad
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#90
Benzo(a)pyrene
Concen: 76.295 ng/ul
RT: 24.91 min Scan# 3713
Delta R.T. 0.06 min
Lab File: BG041940.D
Acq: 4 Aug 2019 13:07

Tgt Ion:252 Resp: 2804929
Ion Ratio Lower Upper
252 100
253 27.3 18.3 27.5
125 8.6 6.5 9.7





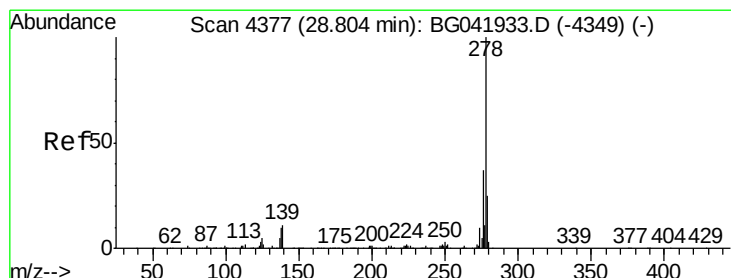
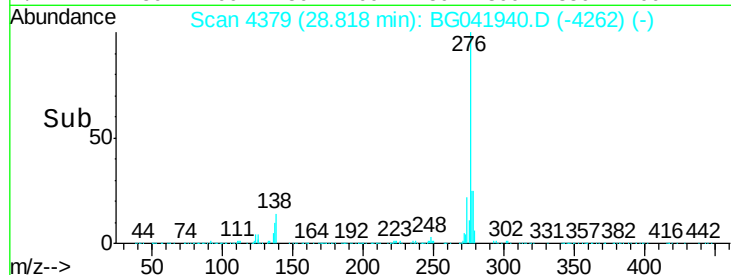
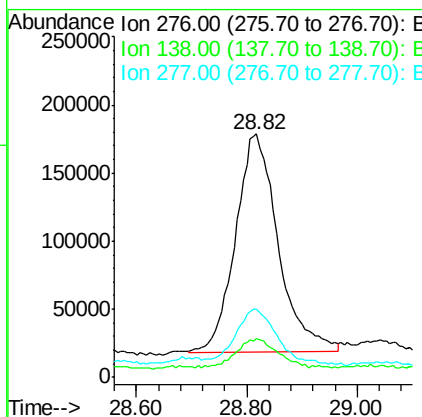
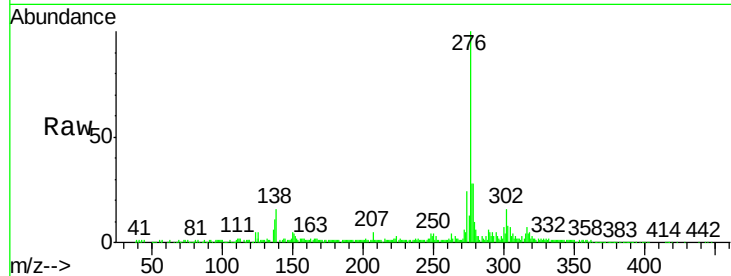
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 20.091 ng/ul
 RT: 28.82 min Scan# 4379
 Delta R.T. 0.09 min
 Lab File: BG041940.D
 Acq: 4 Aug 2019 13:07

Instrument :
 BNA_G
 ClientSampleId :
 BENQ1

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.9	12.0	18.0
277	28.0	19.2	28.8

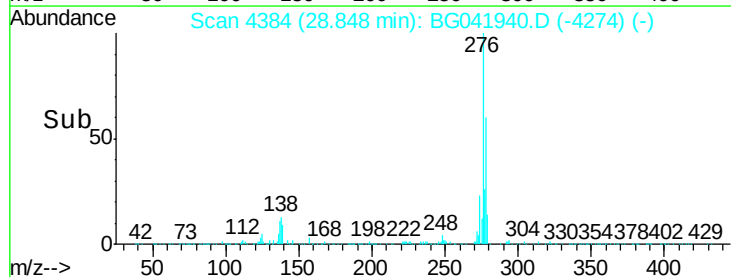
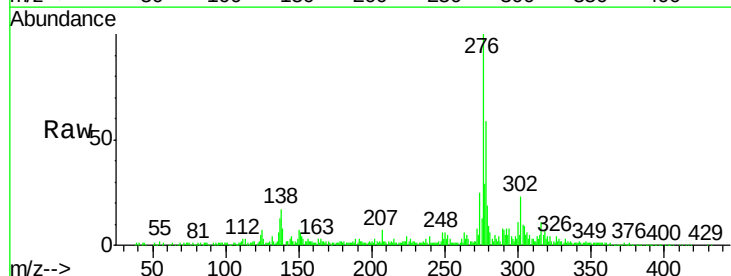
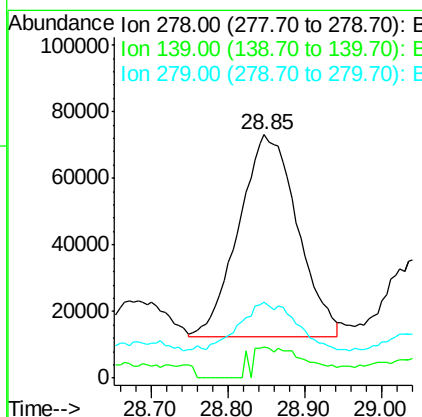
Manual Integrations
 APPROVED

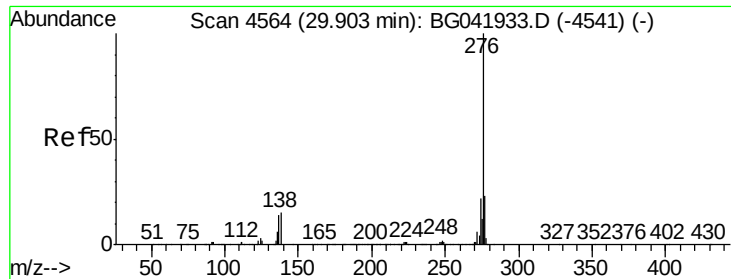
mohammad
 8/6/2019 12:18:38 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 9.161 ng/ul m
 RT: 28.85 min Scan# 4384
 Delta R.T. 0.04 min
 Lab File: BG041940.D
 Acq: 4 Aug 2019 13:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.0	9.4	14.0
279	31.4	19.2	28.8#





#93

Benzo(g,h,i)perylene

Concen: 24.726 ng/ul

RT: 29.99 min Scan# 4579

Delta R.T. 0.09 min

Lab File: BG041940.D

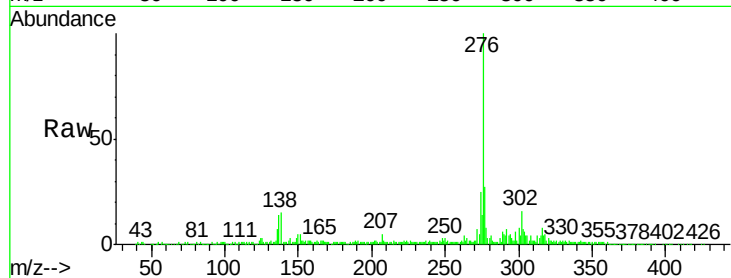
Acq: 4 Aug 2019 13:07

Instrument :

BNA_G

ClientSampleId :

BENQ1



Tgt Ion: 276 Resp: 885233

Ion Ratio Lower Upper

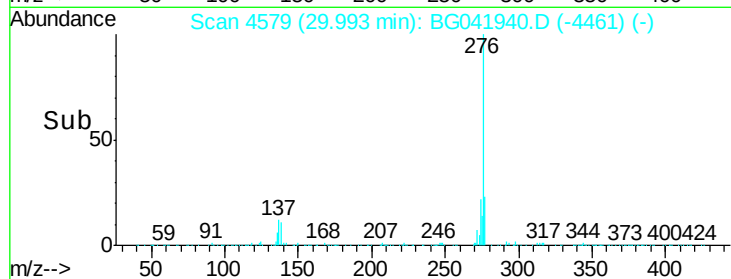
276 100

138 15.5 12.6 18.8

277 26.6 19.2 28.8

Manual Integrations
APPROVED

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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

