

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080319\
 Data File : BG041902.D
 Acq On : 3 Aug 2019 10:10
 Operator : HP/JU
 Sample : K3850-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENP1

Manual Integrations
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mohammad
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Quant Time: Aug 06 11:54:02 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	123441	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	505681	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	341296	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.46	188	636388	20.00	ng/ul	0.02
77) Chrysene-d12	21.81	240	638721m	20.00	ng/ul	0.09
85) Perylene-d12	25.14	264	704161m	20.00	ng/ul	0.15

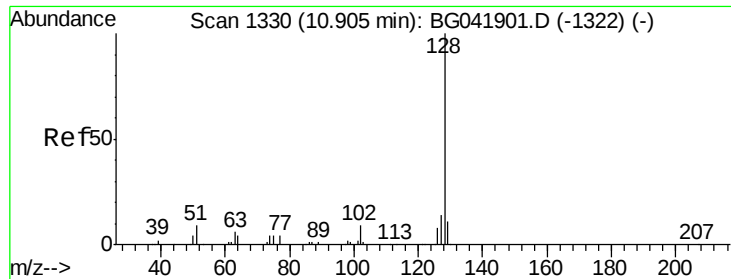
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	931	0.33	ng/uL	0.00
5) Phenol-d5	7.18	99	25876	2.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	15774	2.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	25777	3.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	17734	2.18	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	14089m	3.70	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	12494	2.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.48	165	22502	2.52	ng/ul	0.00
29) 4-Chloroaniline-d4	10.97	131	88733	8.96	ng/ul	-0.01
43) Dimethylphthalate-d6	14.09	166	84989	3.21	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	94744	3.13	ng/ul	0.00
51) 4-Nitrophenol-d4	14.91	143	22740m	5.12	ng/ul	0.04
57) Fluorene-d10	15.69	176	83096	3.53	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.87	200	10058m	2.46	ng/ul	0.08
70) Anthracene-d10	17.58	188	121736m	3.99	ng/ul	0.04
78) Pyrene-d10	19.86	212	166209m	4.66	ng/ul	0.03
89) Benzo(a)pyrene-d12	24.90	264	87186m	2.37	ng/ul	0.15

Target Compounds

					Qvalue	
28) Naphthalene	10.91	128	3217248	124.448	ng/ul#	85
34) 2-Methylnaphthalene	12.53	142	2988489	145.441	ng/ul	94
40) 1,1'-Biphenyl	13.52	154	644470	25.969	ng/ul	96
49) Acenaphthene	14.77	153	3803407	178.236	ng/ul#	84
53) Dibenzofuran	15.10	168	898265	28.205	ng/ul#	86
58) Fluorene	15.76	166	3212858	125.248	ng/ul#	95
69) Phenanthrene	17.55	178	10889719	312.570	ng/ul#	1
71) Anthracene	17.62	178	5062393	143.267	ng/ul#	4
74) Carbazole	17.86	167	912115	31.162	ng/ul#	85
76) Fluoranthene	19.57	202	8446054	209.819	ng/ul#	1
79) Pyrene	19.95	202	11525433m	268.258	ng/ul	
82) Benzo(a)anthracene	21.78	228	10406419m	234.984	ng/ul	
83) Bis(2-ethylhexyl)phthalate	21.65	149	1257071	54.480	ng/ul	93
84) Chrysene	21.87	228	8130782m	196.711	ng/ul	
87) Benzo(b)fluoranthene	24.10	252	12613270m	285.434	ng/ul	
88) Benzo(k)fluoranthene	24.18	252	3540609m	83.332	ng/ul	
90) Benzo(a)pyrene	25.05	252	12573647m	298.596	ng/ul	
91) Indeno(1,2,3-cd)pyrene	29.01	276	6947969m	141.462	ng/ul	
92) Dibenzo(a,h)anthracene	29.02	278	2772733m	69.209	ng/ul	
93) Benzo(g,h,i)perylene	30.20	276	7153840m	174.457	ng/ul	

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



#28

Naphthalene

Concen: 124.448 ng/ul

RT: 10.91 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BG041902.D

Acq: 3 Aug 2019 10:10

Instrument :

BNA_G

ClientSampleId :

BENP1

Tgt Ion:128 Resp: 3217248

Ion Ratio Lower Upper

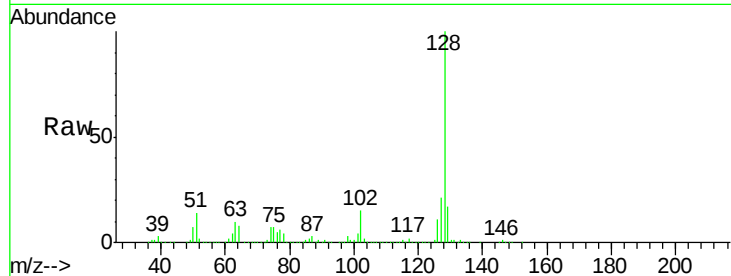
128 100

129 16.7 9.5 14.3#

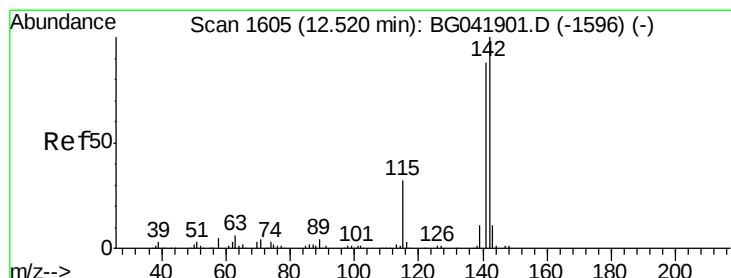
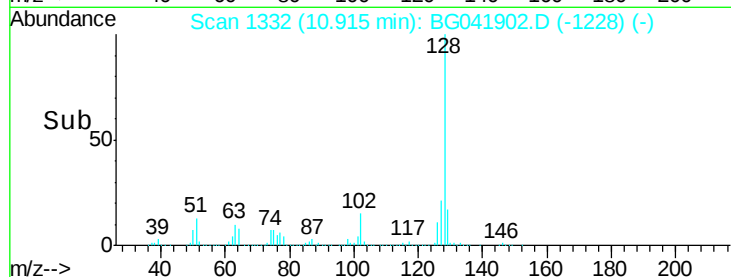
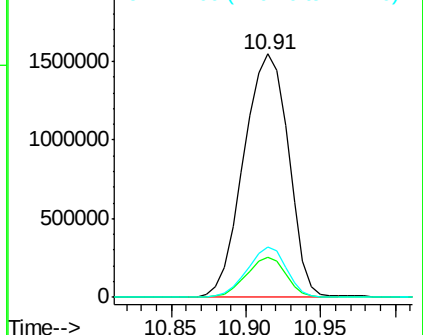
127 20.9 11.4 17.0#

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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: 145.441 ng/ul

RT: 12.53 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BG041902.D

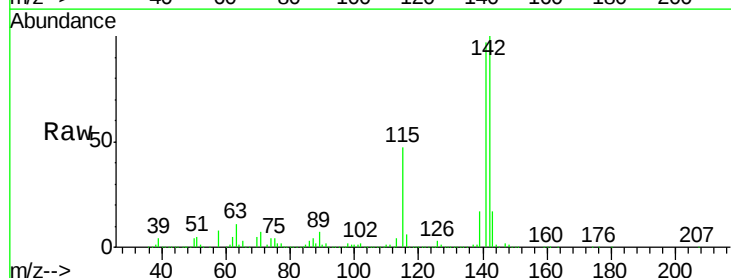
Acq: 3 Aug 2019 10:10

Tgt Ion:142 Resp: 2988489

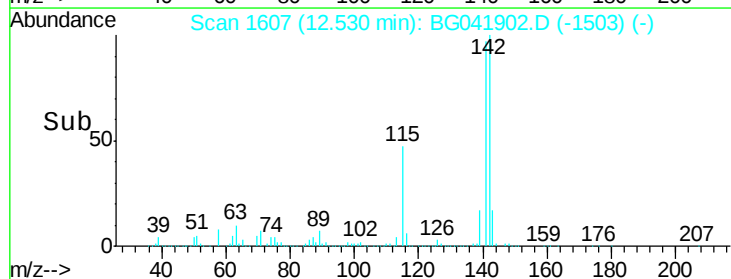
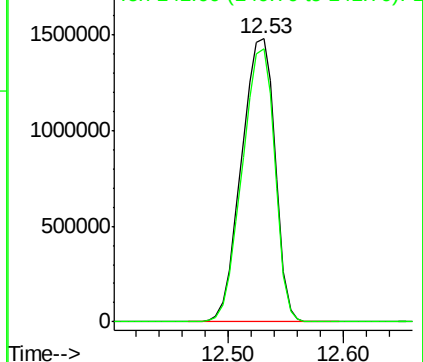
Ion Ratio Lower Upper

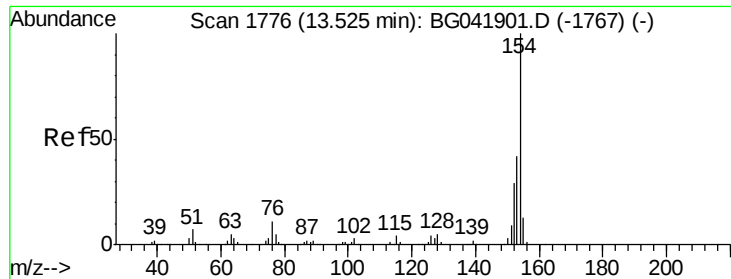
142 100

141 96.6 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





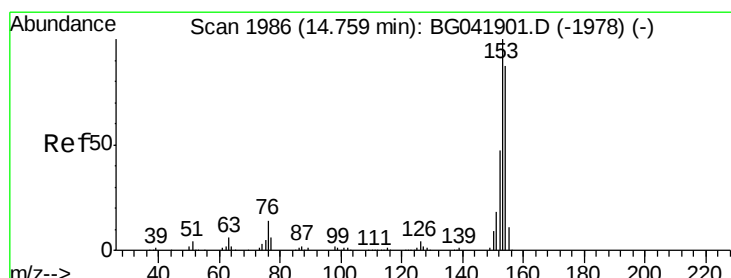
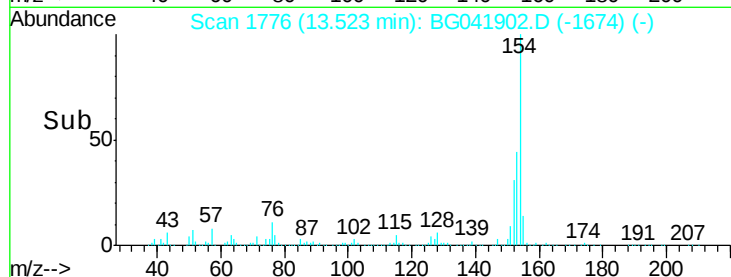
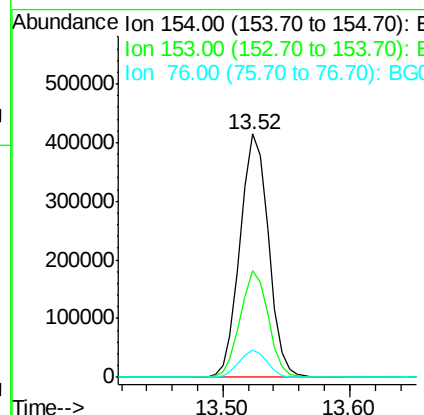
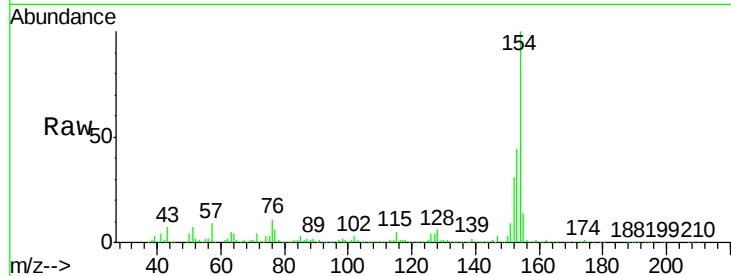
#40
1,1'-Biphenyl
Concen: 25.969 ng/ul
RT: 13.52 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Instrument :
BNA_G
ClientSampled :
BENP1

Tgt Ion	Ratio	Lower	Upper
154	100		
153	43.9	32.6	48.8
76	11.3	8.6	13.0

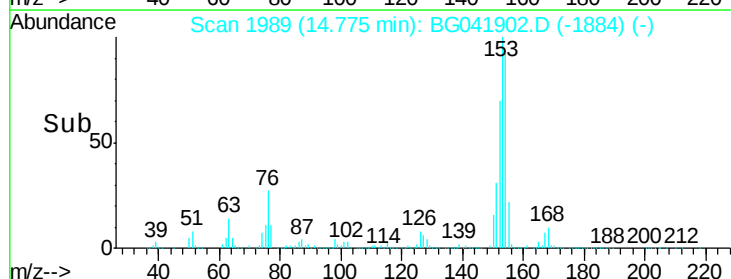
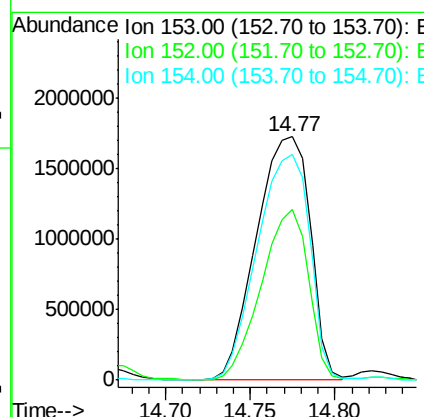
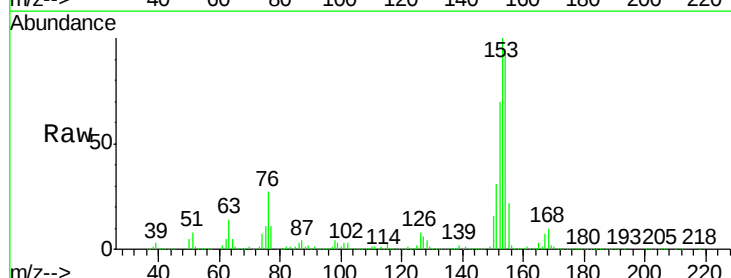
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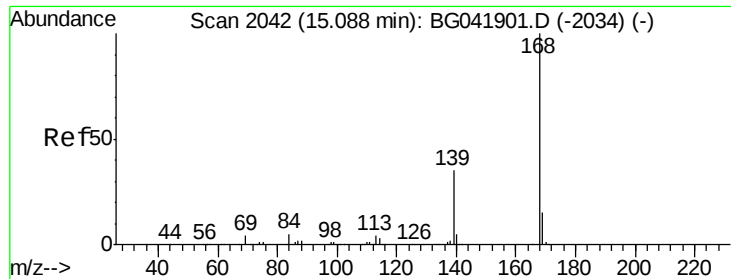
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#49
Acenaphthene
Concen: 178.236 ng/ul
RT: 14.77 min Scan# 1989
Delta R.T. 0.02 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Tgt Ion	Ratio	Lower	Upper
153	100		
152	69.9	37.8	56.8#
154	92.6	69.4	104.2





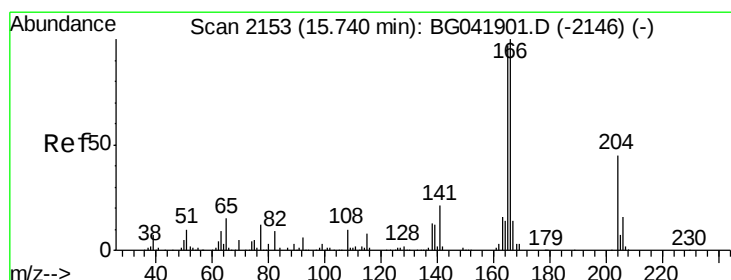
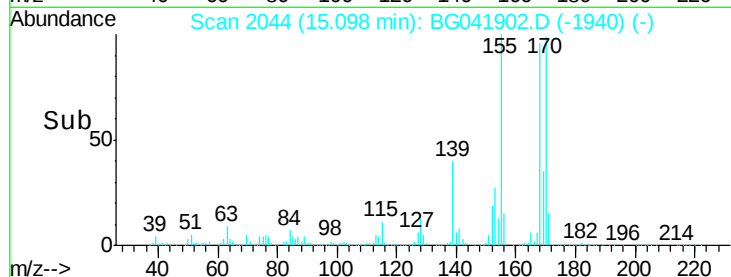
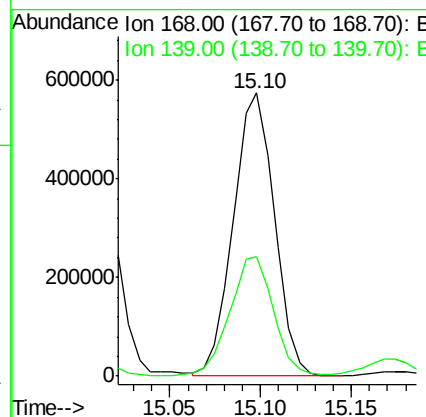
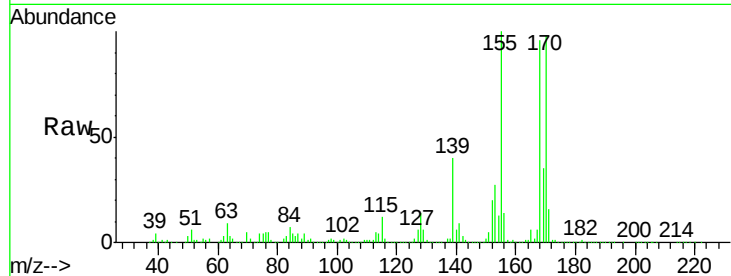
#53
Dibenzenofuran
Concen: 28.205 ng/ul
RT: 15.10 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Instrument :
BNA_G
ClientSampleId :
BENP1

Tgt Ion:168 Resp: 898265
Ion Ratio Lower Upper
168 100
139 42.2 27.3 40.9#

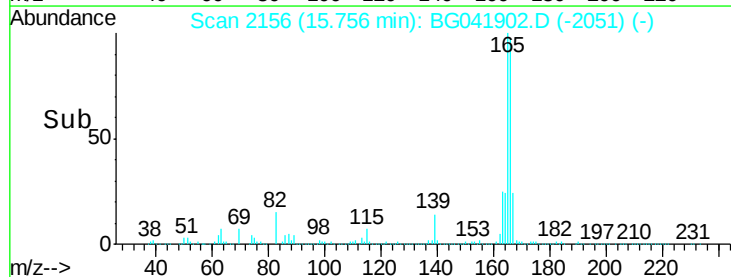
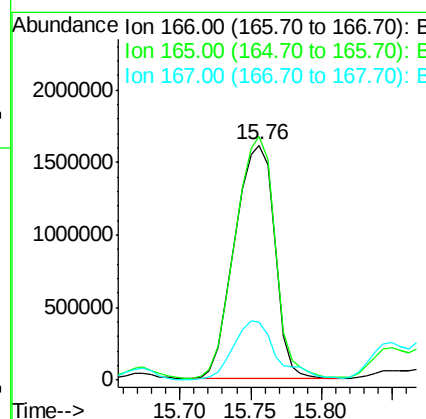
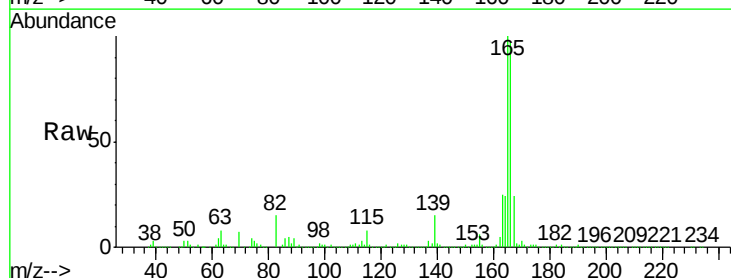
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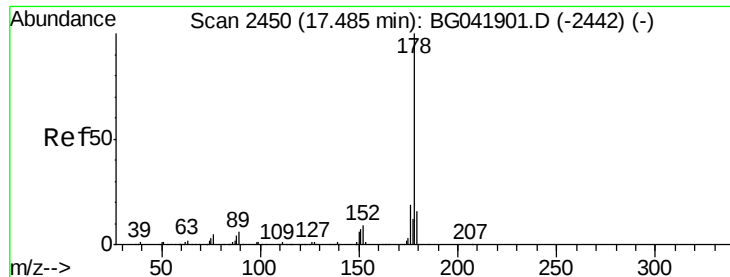
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#58
Fluorene
Concen: 125.248 ng/ul
RT: 15.76 min Scan# 2156
Delta R.T. 0.02 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Tgt Ion:166 Resp: 3212858
Ion Ratio Lower Upper
166 100
165 103.5 81.1 121.7
167 24.8 11.0 16.4#





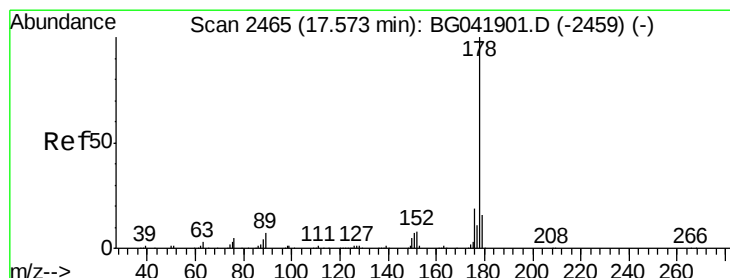
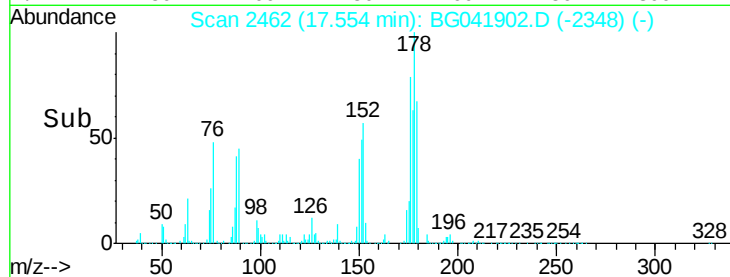
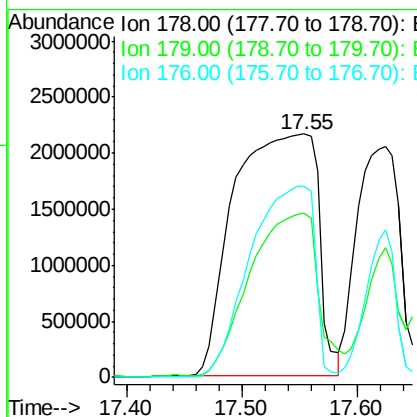
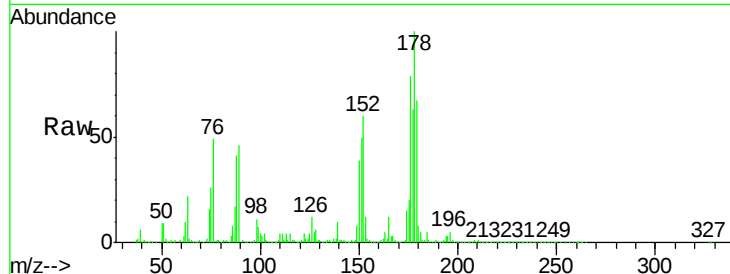
#69
Phenanthrene
Concen: 312.570 ng/ul
RT: 17.55 min Scan# 2462
Delta R.T. 0.07 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Instrument :
BNA_G
ClientSampled :
BENP1

Tgt Ion:178 Resp:10889719
Ion Ratio Lower Upper
178 100
179 67.4 12.8 19.2#
176 78.8 15.4 23.2#

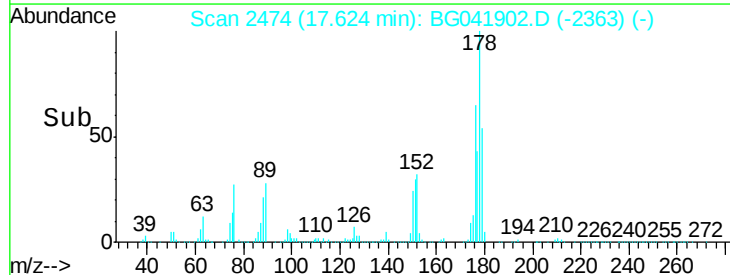
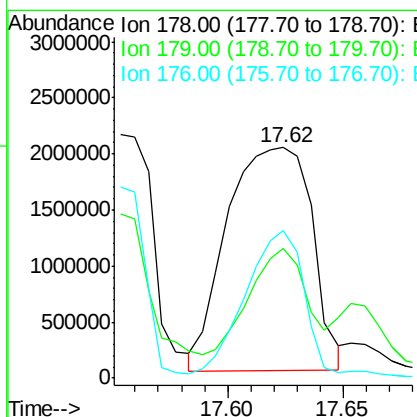
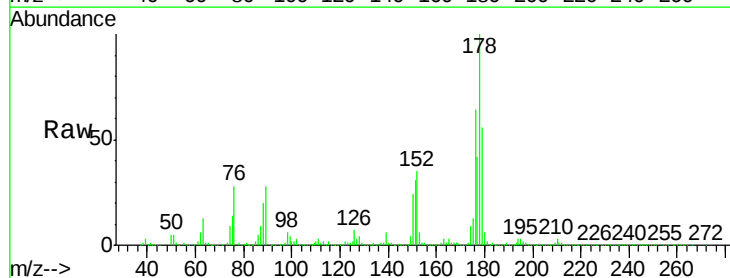
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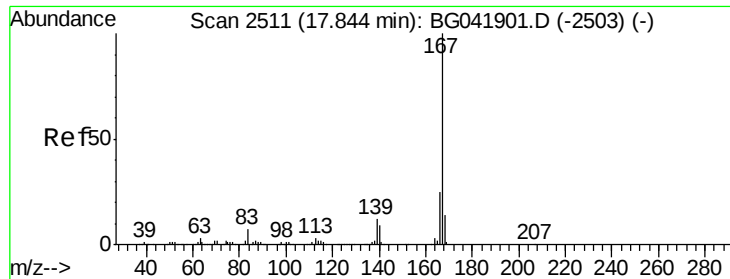
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#71
Anthracene
Concen: 143.267 ng/ul
RT: 17.62 min Scan# 2474
Delta R.T. 0.05 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Tgt Ion:178 Resp: 5062393
Ion Ratio Lower Upper
178 100
179 56.2 13.4 20.0#
176 64.2 15.4 23.2#





#74

Carbazole

Concen: 31.162 ng/ul

RT: 17.86 min Scan# 2514

Delta R.T. 0.02 min

Lab File: BG041902.D

Acq: 3 Aug 2019 10:10

Instrument :

BNA_G

ClientSampleId :

BENP1

Tgt Ion:167 Resp: 912115
Ion Ratio Lower Upper

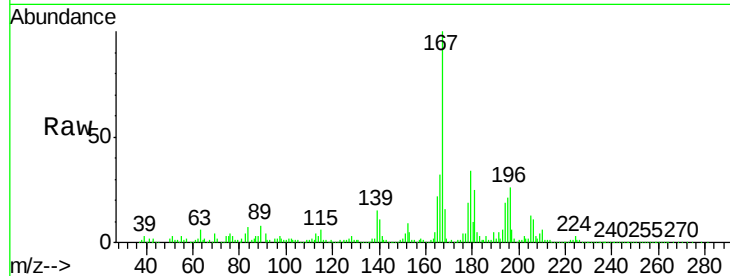
167 100

166 31.9 18.2 27.4#

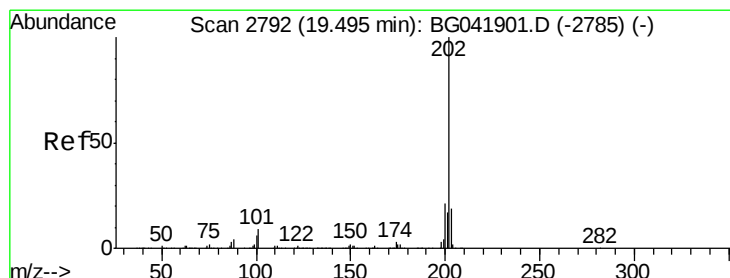
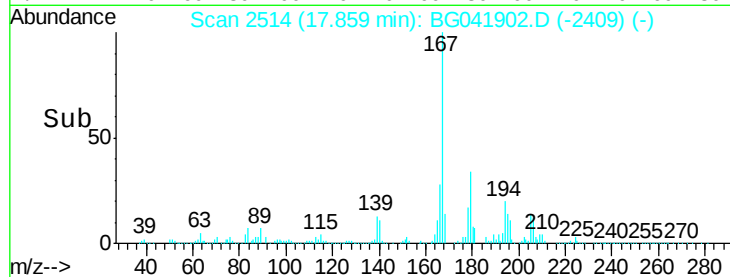
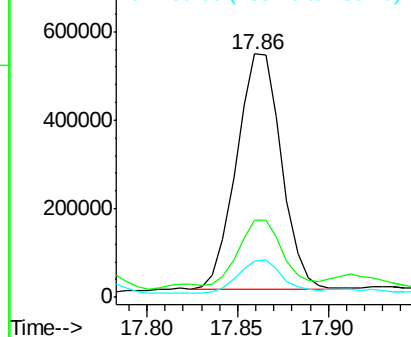
139 15.0 9.6 14.4#

Manual Integrations
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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: 209.819 ng/ul

RT: 19.57 min Scan# 2805

Delta R.T. 0.07 min

Lab File: BG041902.D

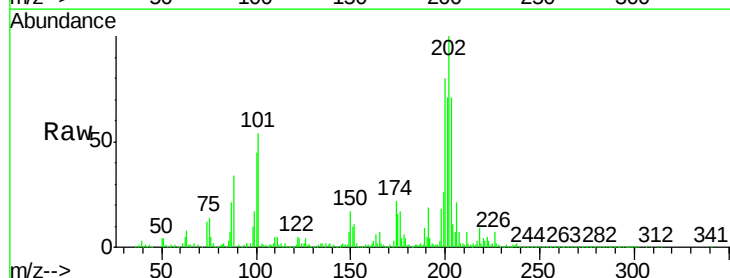
Acq: 3 Aug 2019 10:10

Tgt Ion:202 Resp: 8446054
Ion Ratio Lower Upper

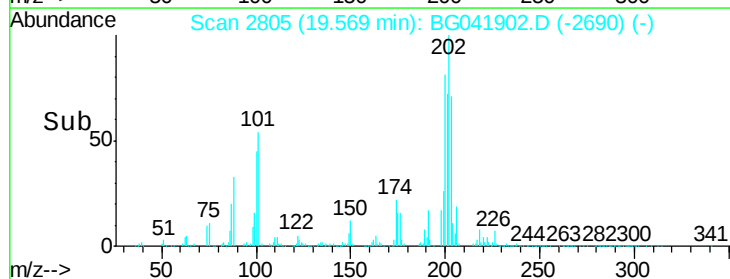
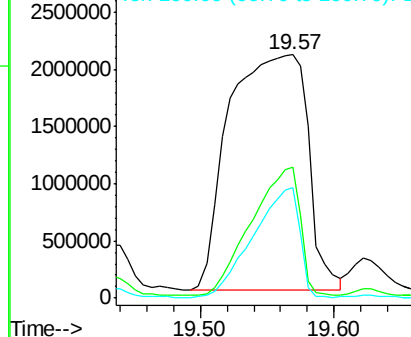
202 100

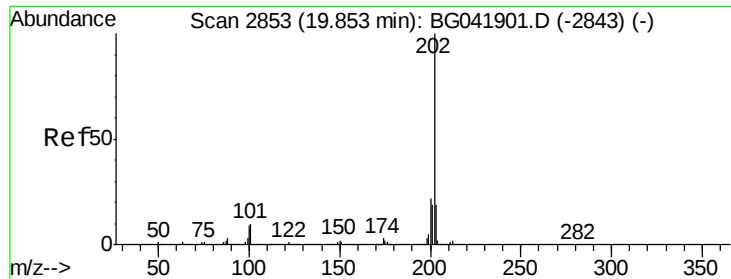
101 53.8 6.7 10.1#

100 45.3 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





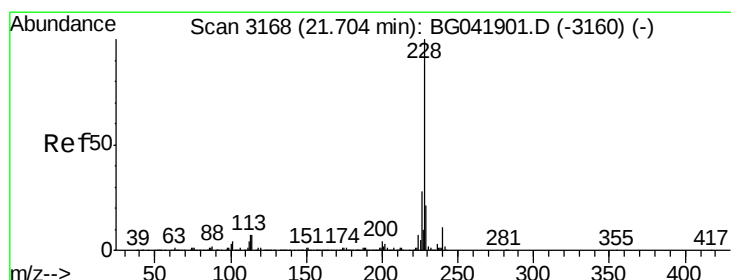
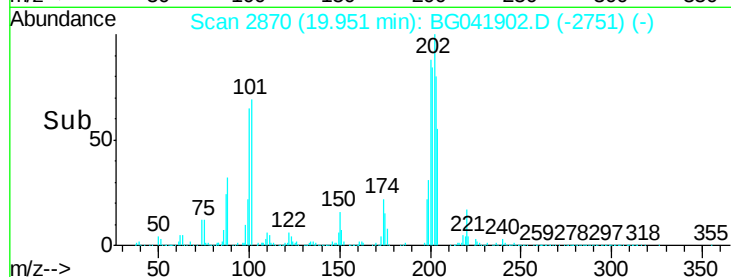
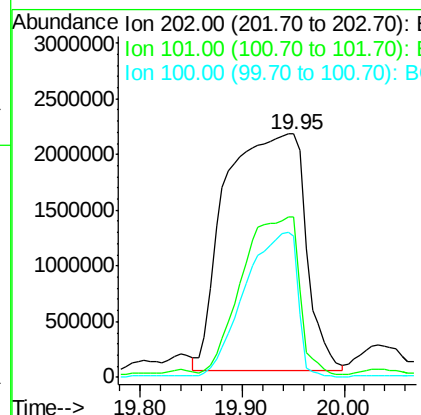
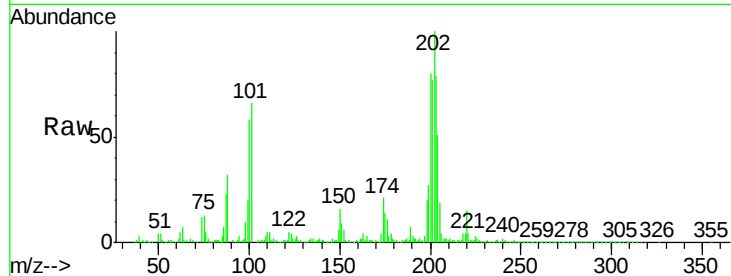
#79
 Pyrene
 Concen: 268.258 ng/ul m
 RT: 19.95 min Scan# 2870
 Delta R.T. 0.10 min
 Lab File: BG041902.D
 Acq: 3 Aug 2019 10:10

Instrument :
 BNA_G
 ClientSampled :
 BENP1

Tgt Ion:202 Resp:11525433
 Ion Ratio Lower Upper
 202 100
 101 66.1 7.6 11.4#
 100 58.1 6.5 9.7#

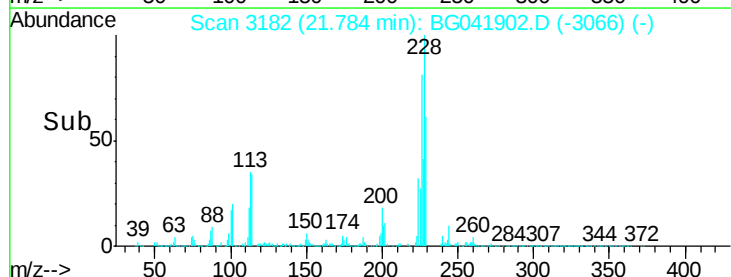
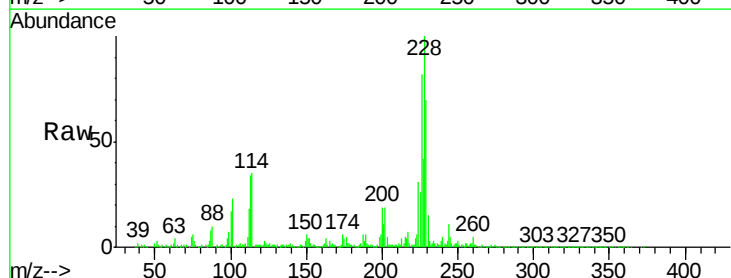
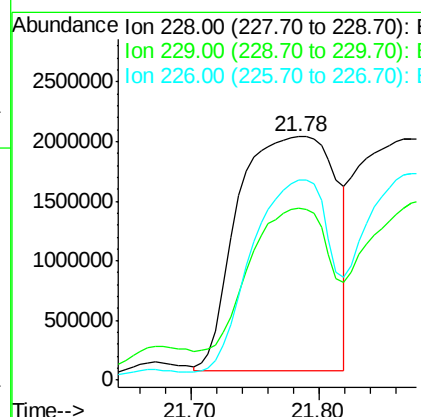
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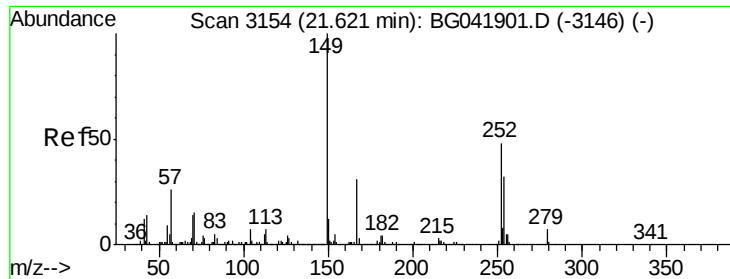
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#82
 Benzo(a)anthracene
 Concen: 234.984 ng/ul m
 RT: 21.78 min Scan# 3182
 Delta R.T. 0.08 min
 Lab File: BG041902.D
 Acq: 3 Aug 2019 10:10

Tgt Ion:228 Resp:10406419
 Ion Ratio Lower Upper
 228 100
 229 70.5 17.0 25.6#
 226 82.0 23.3 34.9#





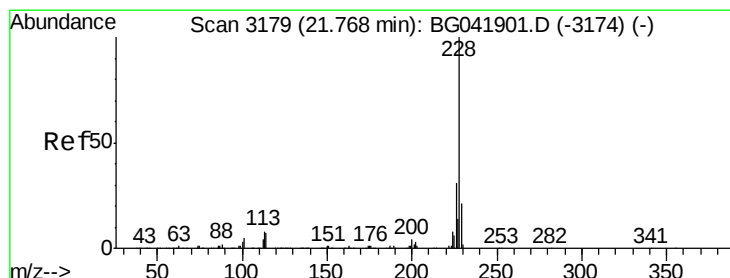
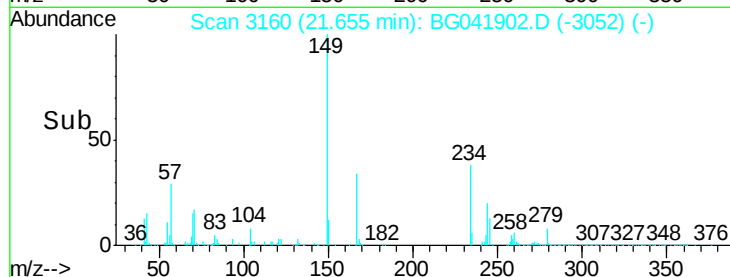
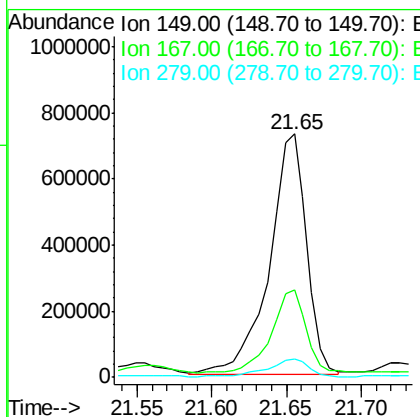
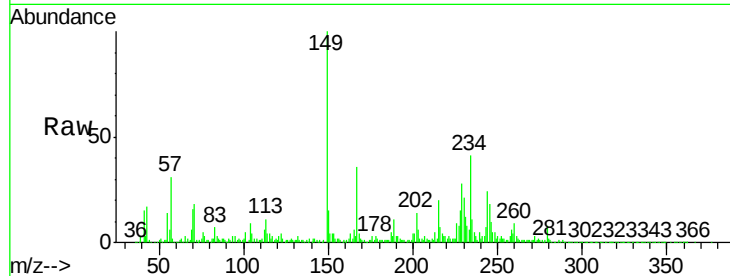
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 54.480 ng/ul
 RT: 21.65 min Scan# 3160
 Delta R.T. 0.03 min
 Lab File: BG041902.D
 Acq: 3 Aug 2019 10:10

Instrument :
 BNA_G
 ClientSampled :
 BENP1

Tgt Ion:149 Resp: 1257071
 Ion Ratio Lower Upper
 149 100
 167 35.8 25.0 37.4
 279 7.8 5.2 7.8

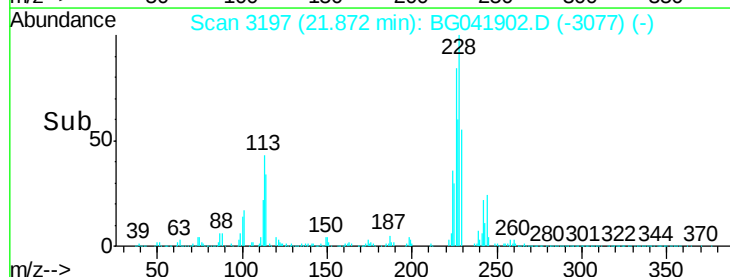
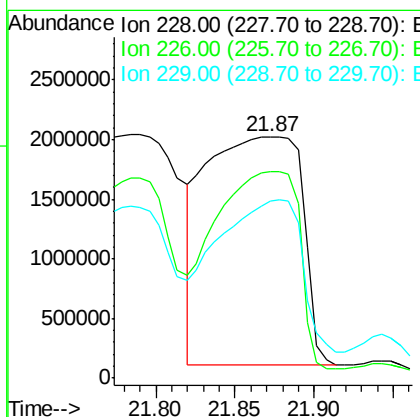
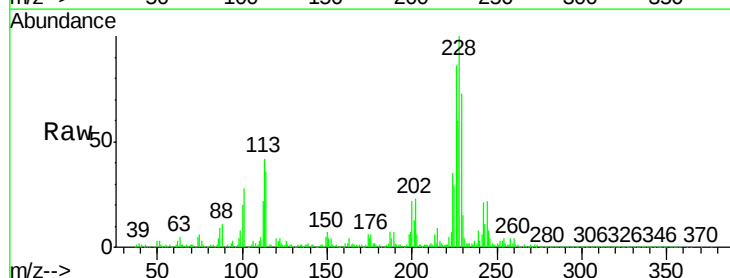
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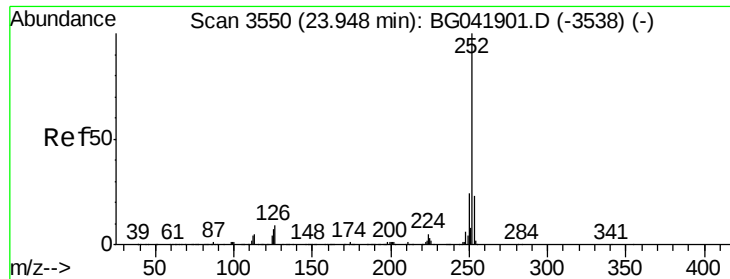
mohammad
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#84
 Chrysene
 Concen: 196.711 ng/ul m
 RT: 21.87 min Scan# 3197
 Delta R.T. 0.10 min
 Lab File: BG041902.D
 Acq: 3 Aug 2019 10:10

Tgt Ion:228 Resp: 8130782
 Ion Ratio Lower Upper
 228 100
 226 85.7 25.7 38.5#
 229 73.4 16.6 24.8#





#87

Benzo(b)fluoranthene

Concen: 285.434 ng/ul m

RT: 24.10 min Scan# 3577

Delta R.T. 0.16 min

Lab File: BG041902.D

Acq: 3 Aug 2019 10:10

Instrument :

BNA_G

ClientSampled :

BENP1

Tgt Ion:252 Resp:12613270

Ion Ratio Lower Upper

252 100

253 49.9 18.4 27.6#

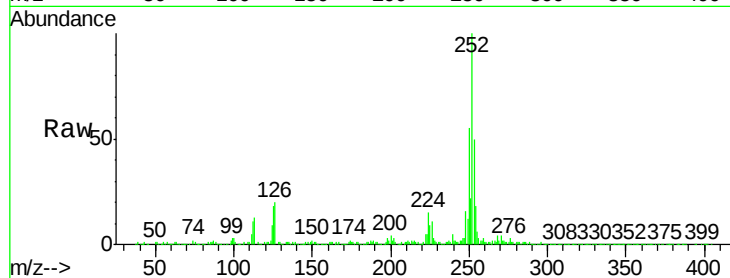
125 18.0 5.8 8.8#

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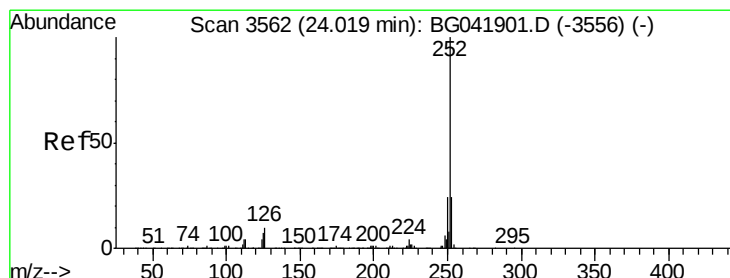
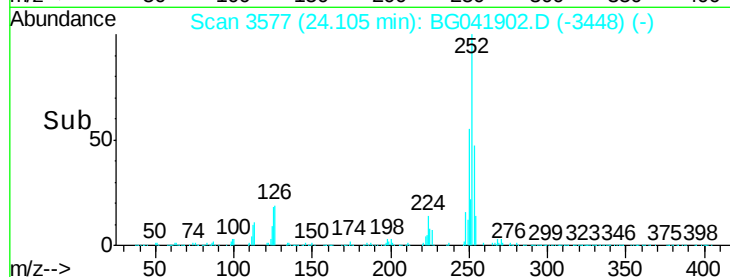
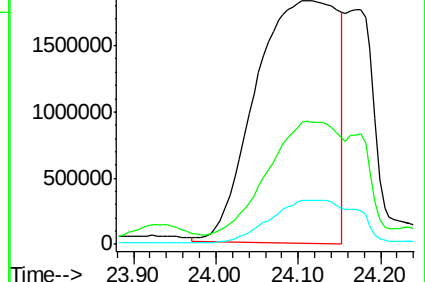
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 83.332 ng/ul m

RT: 24.18 min Scan# 3589

Delta R.T. 0.16 min

Lab File: BG041902.D

Acq: 3 Aug 2019 10:10

Tgt Ion:252 Resp: 3540609

Ion Ratio Lower Upper

252 100

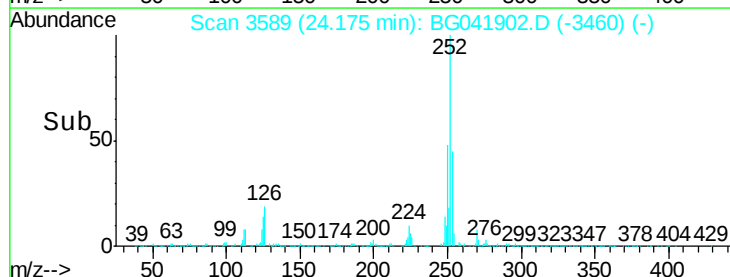
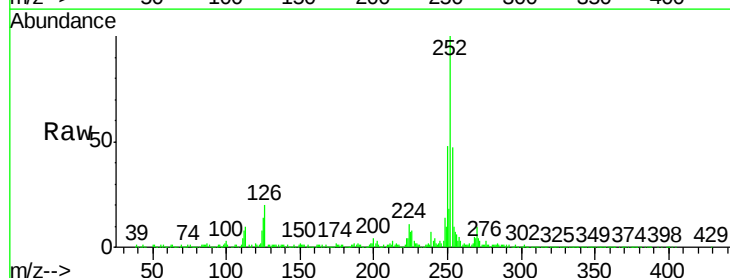
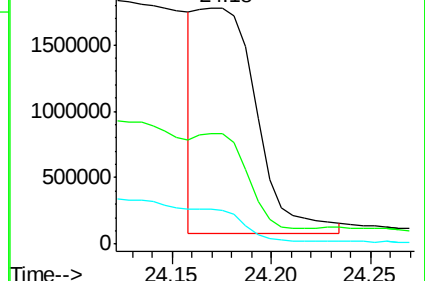
253 47.0 18.3 27.5#

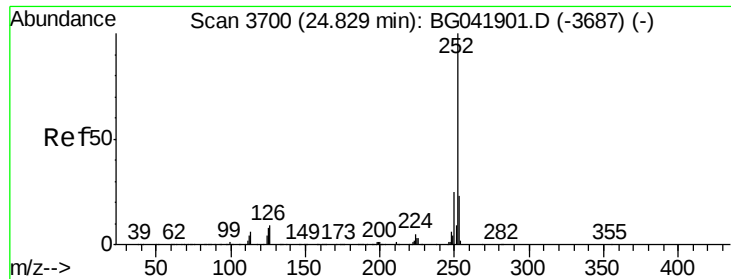
125 14.3 5.5 8.3#

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





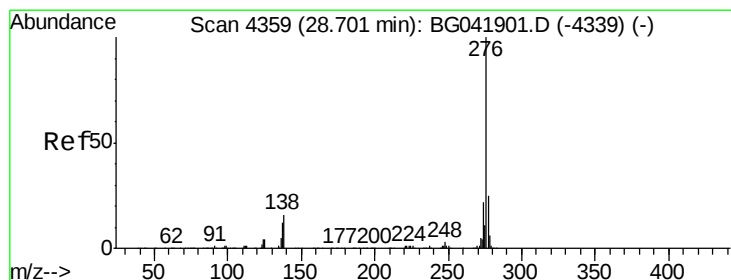
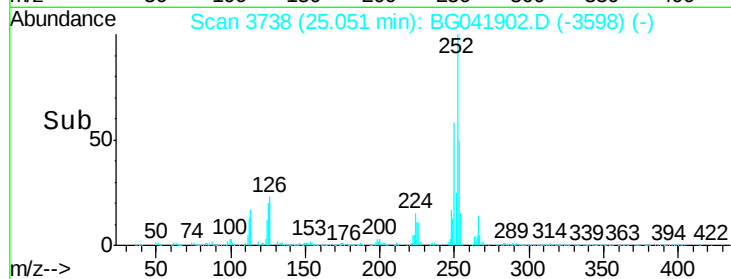
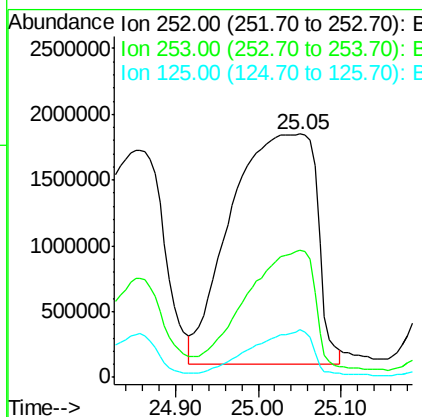
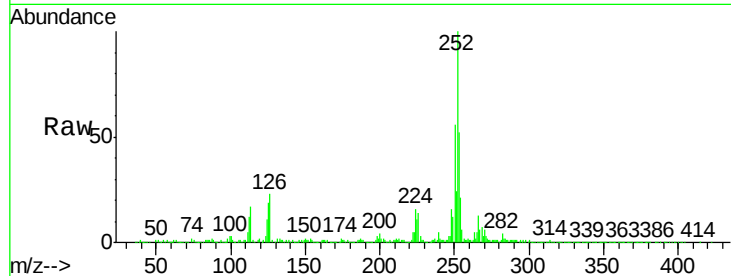
#90
Benzo(a)pyrene
Concen: 298.596 ng/ul m
RT: 25.05 min Scan# 3738
Delta R.T. 0.22 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Instrument :
BNA_G
ClientSampleId :
BENP1

Tgt Ion:252 Resp:12573647
Ion Ratio Lower Upper
252 100
253 52.4 18.3 27.5#
125 19.4 6.5 9.7#

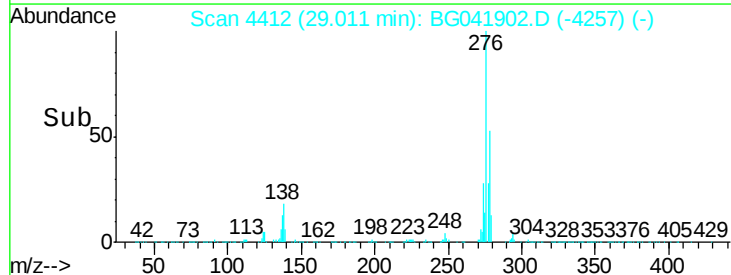
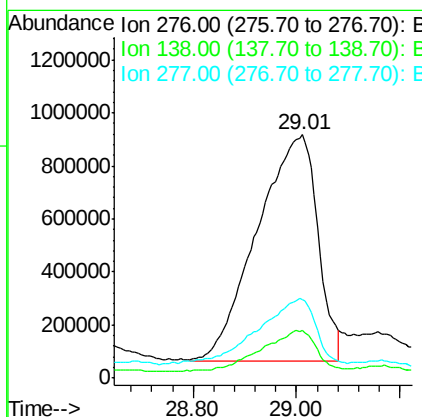
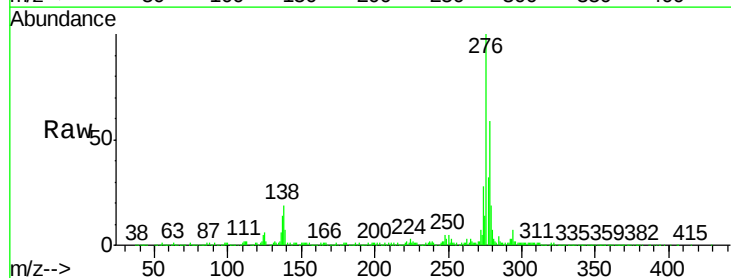
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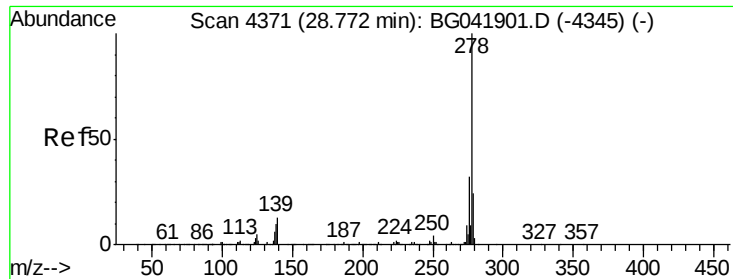
mohammad
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#91
Indeno(1,2,3-cd)pyrene
Concen: 141.462 ng/ul m
RT: 29.01 min Scan# 4412
Delta R.T. 0.31 min
Lab File: BG041902.D
Acq: 3 Aug 2019 10:10

Tgt Ion:276 Resp: 6947969
Ion Ratio Lower Upper
276 100
138 19.4 12.0 18.0#
277 32.1 19.2 28.8#





#92

Dibenzo(a,h)anthracene

Concen: 69.209 ng/ul m

RT: 29.02 min Scan# 4414

Delta R.T. 0.25 min

Lab File: BG041902.D

Acq: 3 Aug 2019 10:10

Instrument :

BNA_G

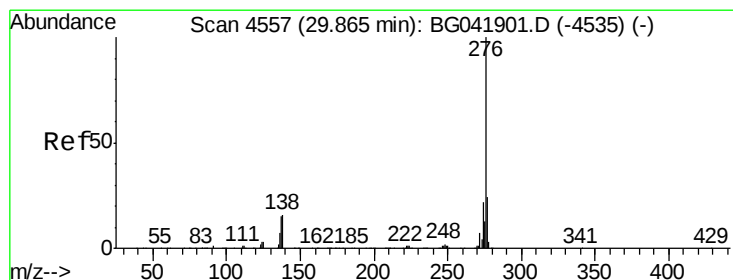
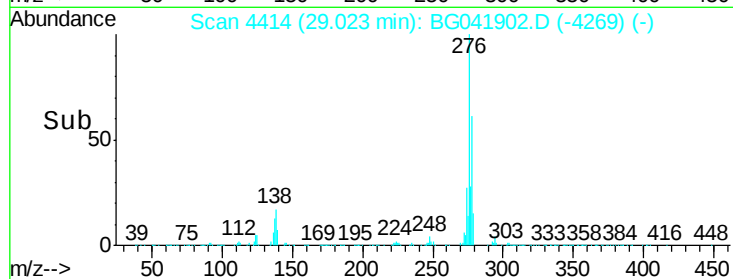
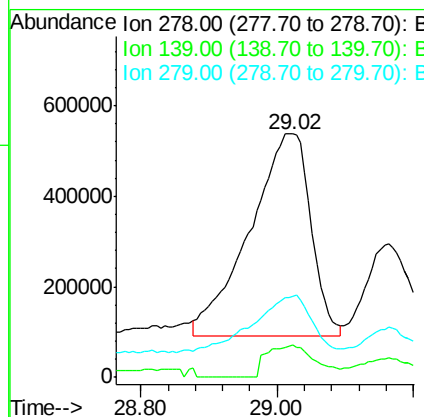
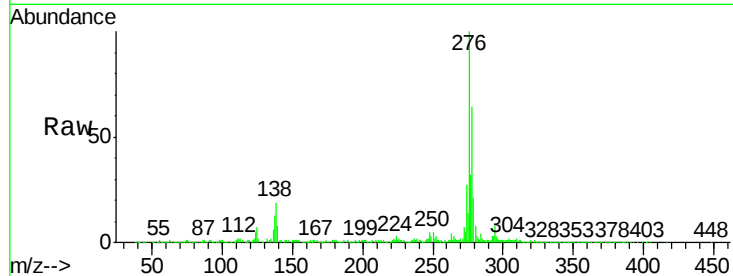
ClientSampleId :

BENP1

Tgt Ion:278 Resp: 2772733
 Ion Ratio Lower Upper
 278 100
 139 13.2 9.4 14.0
 279 33.1 19.2 28.8#

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 174.457 ng/ul m

RT: 30.20 min Scan# 4614

Delta R.T. 0.33 min

Lab File: BG041902.D

Acq: 3 Aug 2019 10:10

Tgt Ion:276 Resp: 7153840
 Ion Ratio Lower Upper
 276 100
 138 16.8 12.6 18.8
 277 30.2 19.2 28.8#

