

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080319\
 Data File : BG041908.D
 Acq On : 3 Aug 2019 13:59
 Operator : HP/JU
 Sample : K3850-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BENQ0

Manual Integrations
 APPROVED

mohammad
 8/6/2019 12:18:10 PM

Quant Time: Aug 04 02:05:18 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	97322	20.00	ng/ul	0.00
18) Naphthalene-d8	10.86	136	408573	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.70	164	275262	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.45	188	545217m	20.00	ng/ul	0.00
77) Chrysene-d12	21.75	240	546770	20.00	ng/ul	0.03
85) Perylene-d12	25.04	264	635711m	20.00	ng/ul	0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.42	96	7125	3.20	ng/uL	0.00
5) Phenol-d5	7.18	99	33774	4.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.35	67	102653	24.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.57	132	80986	12.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.74	113	35080	5.47	ng/ul	0.00
19) Nitrobenzene-d5	9.20	128	80450	26.16	ng/ul	0.00
22) 2-Nitrophenol-d4	9.93	143	85174	23.85	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	108507	15.05	ng/ul	0.00
29) 4-Chloroaniline-d4	10.99	131	35646	4.46	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	523218	24.51	ng/ul	0.00
46) Acenaphthylene-d8	14.39	160	626847	25.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	4704	1.31	ng/ul	0.02
57) Fluorene-d10	15.69	176	469501	24.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.81	200	6410m	1.83	ng/ul	0.02
70) Anthracene-d10	17.55	188	706620	27.01	ng/ul	0.02
78) Pyrene-d10	19.84	212	831478	27.25	ng/ul	0.02
89) Benzo(a)pyrene-d12	24.82	264	893362	26.90	ng/ul	0.06

Target Compounds

					Ovalue
4) Benzaldehyde	7.16	77	6830	1.893	ng/ul 96
6) Phenol	7.21	94	10771	1.366	ng/ul 98
14) Acetophenone	8.86	105	41738	4.232	ng/ul 99
28) Naphthalene	10.91	128	251296	12.031	ng/ul 98
34) 2-Methylnaphthalene	12.52	142	254093	15.305	ng/ul 99
40) 1,1'-Biphenyl	13.52	154	50843	2.540	ng/ul 99
44) Dimethylphthalate	14.14	163	224088	10.572	ng/ul 99
49) Acenaphthene	14.76	153	470767	27.354	ng/ul 99
53) Dibenzofuran	15.09	168	93128	3.626	ng/ul 92
58) Fluorene	15.74	166	384609	18.590	ng/ul 97
69) Phenanthrene	17.51	178	3950712m	132.361	ng/ul
71) Anthracene	17.59	178	1381018	45.619	ng/ul 96
74) Carbazole	17.85	167	102717m	4.096	ng/ul
76) Fluoranthene	19.52	202	3954478m	114.665	ng/ul
79) Pyrene	19.89	202	5213573	141.754	ng/ul# 54
82) Benzo(a)anthracene	21.74	228	4312319	113.751	ng/ul# 62
83) Bis(2-ethylhexyl)phthalate	21.63	149	28825	1.459	ng/ul# 76
84) Chrysene	21.81	228	4502805	127.258	ng/ul# 60
87) Benzo(b)fluoranthene	24.02	252	4728162m	118.518	ng/ul
88) Benzo(k)fluoranthene	24.08	252	1596474m	41.621	ng/ul
90) Benzo(a)pyrene	24.92	252	4157343m	109.358	ng/ul
91) Indeno(1,2,3-cd)pyrene	28.82	276	1611935	36.353	ng/ul 96
92) Dibenz(a,h)anthracene	28.85	278	607339	16.792	ng/ul 95

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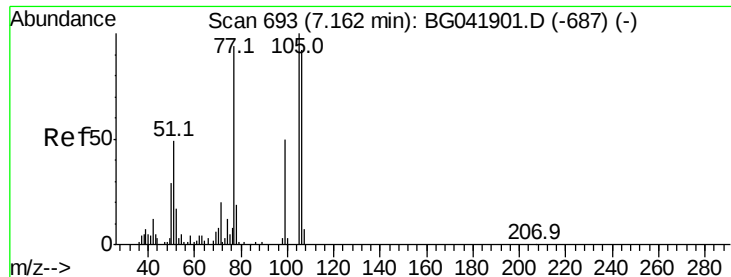
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Quant Time: Aug 04 02:05:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 04 00:02:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	30.00	276	1569395	42.393	ng/ul	97

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



#4

Benzaldehyde

Concen: 1.893 ng/ul

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Instrument :

BNA_G

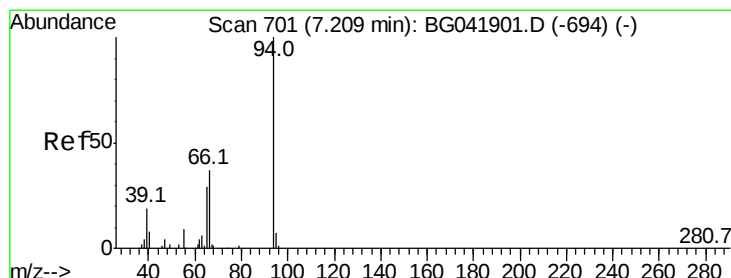
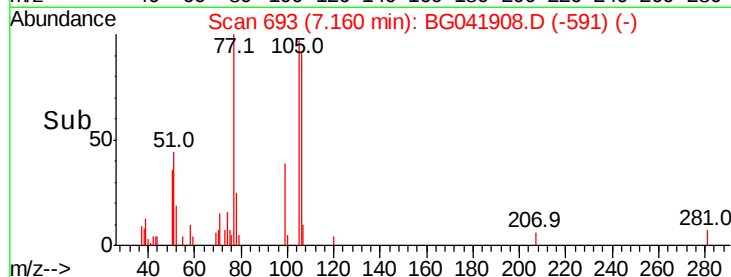
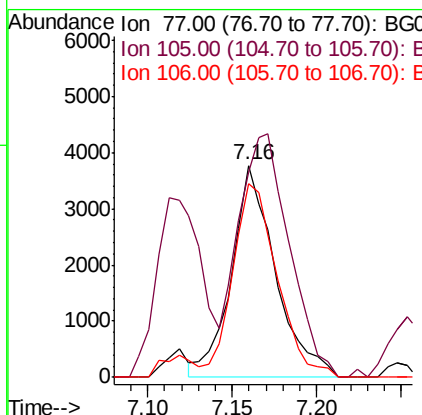
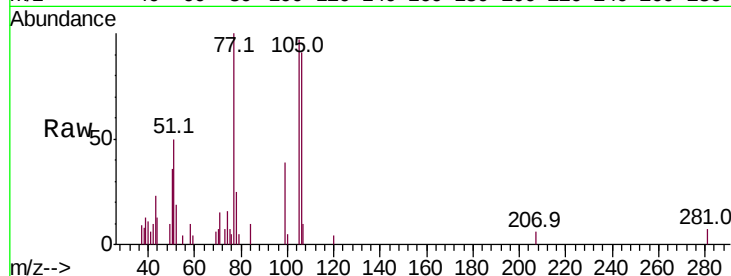
ClientSampleId :

BENQ0

Tot Ion:	77	Resp:	6830
Ion	Ratio	Lower	Upper
77	100		
105	96.7	80.7	121.1
106	91.5	76.3	114.5

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#6

Phenol

Concen: 1.366 ng/ul

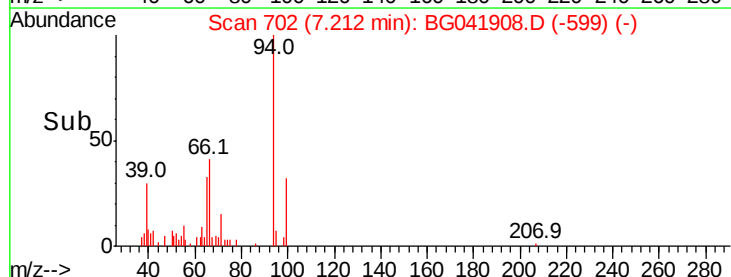
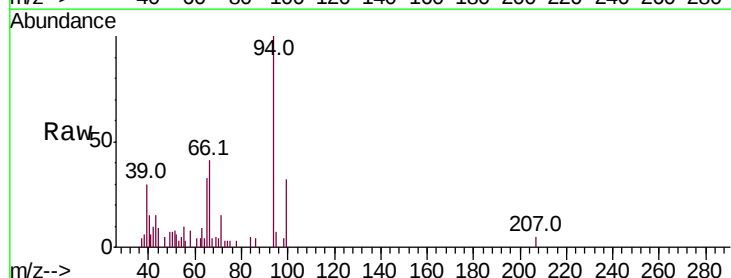
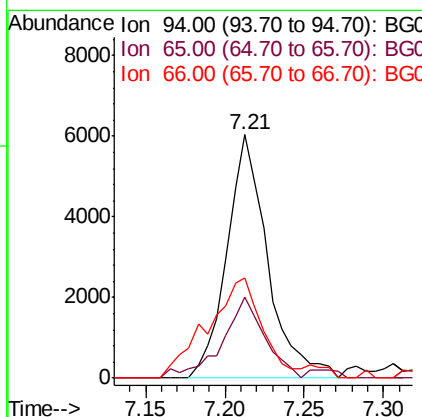
RT: 7.21 min Scan# 702

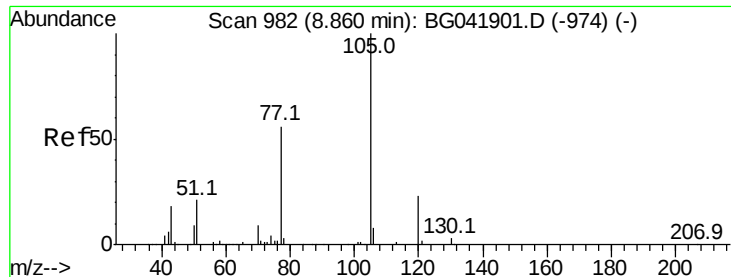
Delta R.T. 0.00 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Tgt Ion:	94	Resp:	10771
Ion	Ratio	Lower	Upper
94	100		
65	33.1	25.8	38.6
66	41.0	31.8	47.8





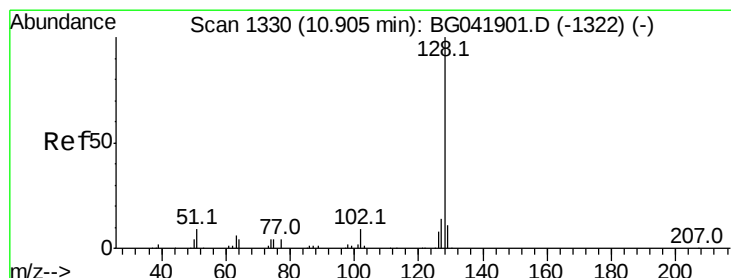
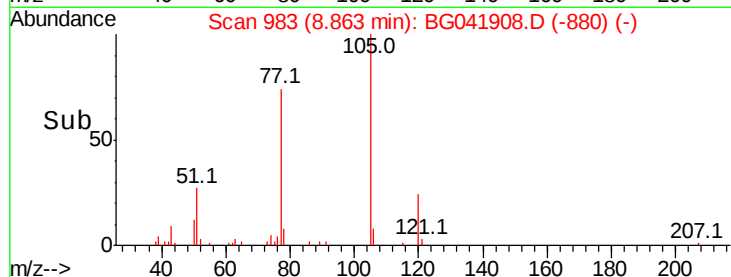
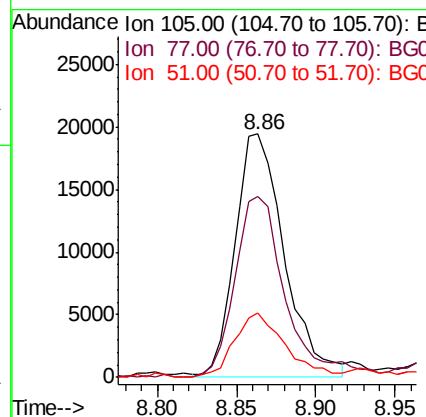
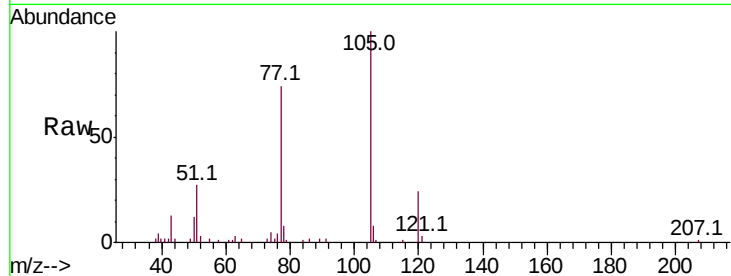
#14
Acetophenone
Concen: 4.232 ng/ul
RT: 8.86 min Scan# 983
Delta R.T. 0.00 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Instrument :
BNA_G
ClientSampled :
BENQ0

Tot Ion:	105	Resp:	41738
Ion Ratio	Lower	Upper	
105	100		
77	74.1	60.0	90.0
51	26.5	22.1	33.1

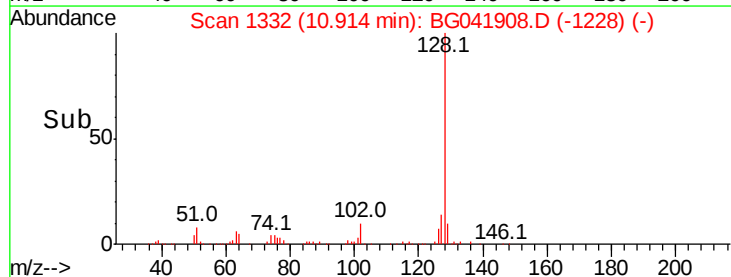
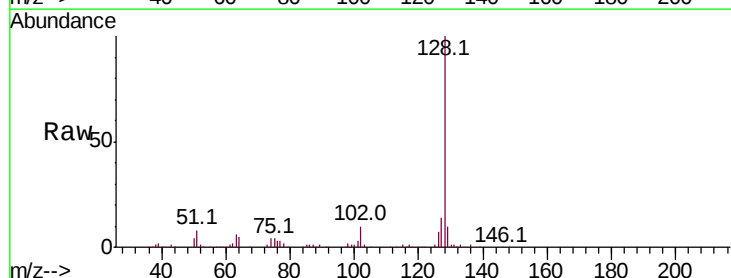
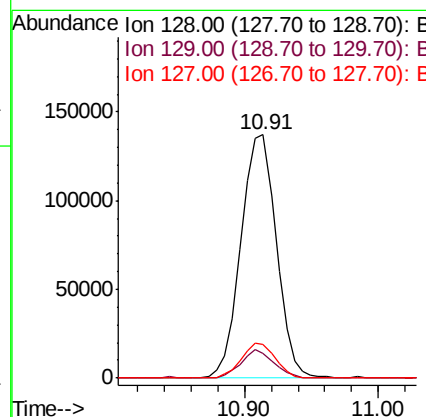
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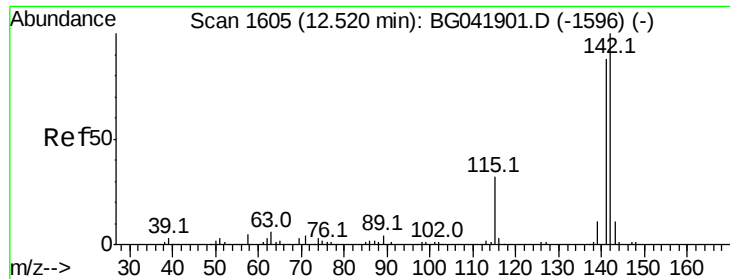
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#28
Naphthalene
Concen: 12.031 ng/ul
RT: 10.91 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Tgt Ion:	128	Resp:	251296
Ion Ratio	Lower	Upper	
128	100		
129	10.1	9.5	14.3
127	14.1	11.4	17.0





#34

2-Methylnaphthalene

Concen: 15.305 ng/ul

RT: 12.52 min Scan# 1605

Delta R.T. -0.00 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Instrument :

BNA_G

ClientSampleId :

BENQ0

Tot Ion:142 Resp: 254093

Ion Ratio Lower Upper

142 100

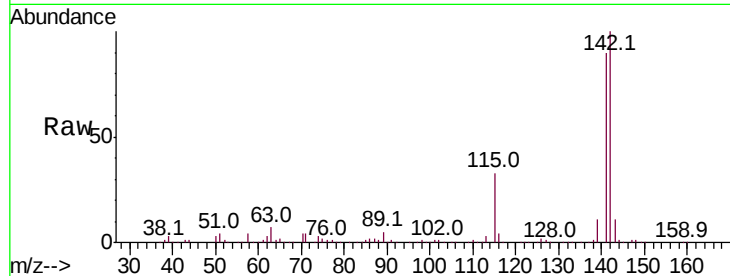
141 90.3 72.9 109.3

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Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.52

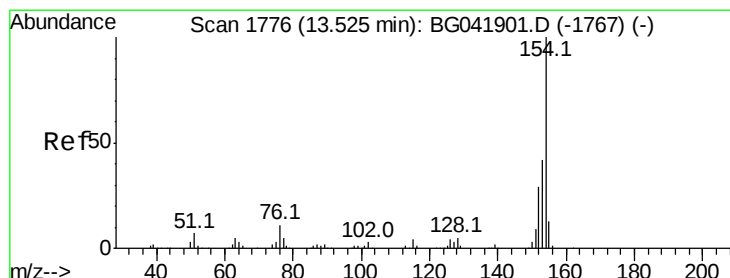
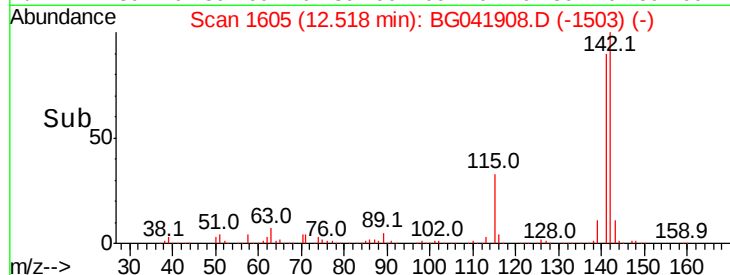
150000

100000

50000

0

Time-->



#40

1,1'-Biphenyl

Concen: 2.540 ng/ul

RT: 13.52 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

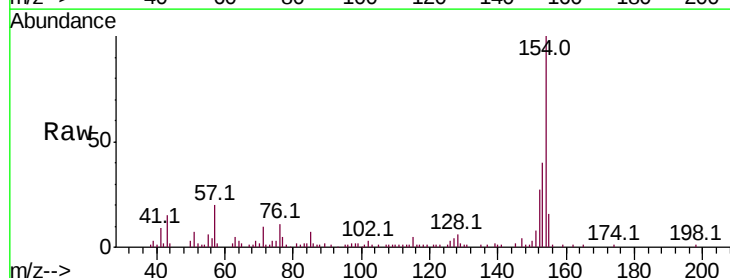
Tgt Ion:154 Resp: 50843

Ion Ratio Lower Upper

154 100

153 40.0 32.6 48.8

76 10.6 8.6 13.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG

13.52

40000

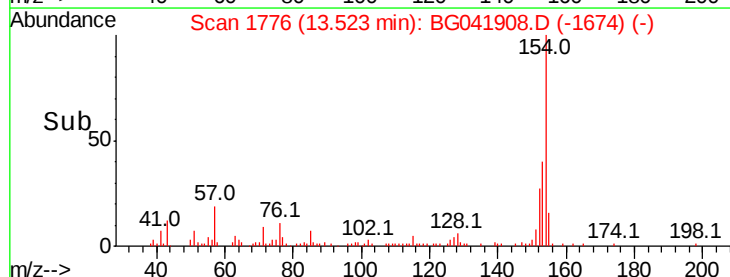
30000

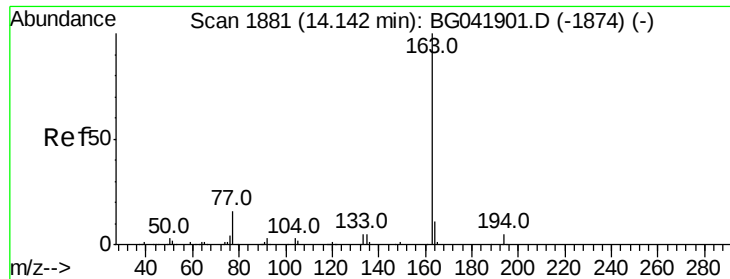
20000

10000

0

Time-->





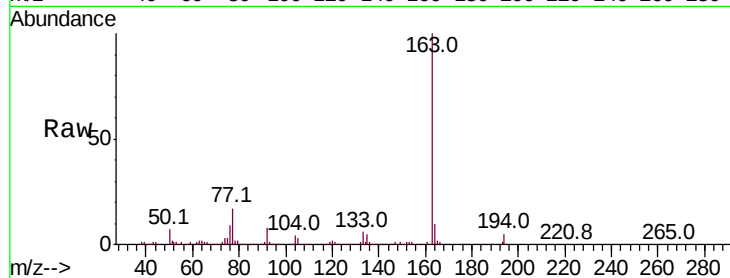
#44
Dimethylphthalate
Concen: 10.572 ng/ul
RT: 14.14 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Instrument :
BNA_G
ClientSampleId :
BENQ0

Tot Ion	Ratio	Resp	Lower	Upper
163	100	224088		
194	5.0		4.2	6.2
164	10.4		7.8	11.8

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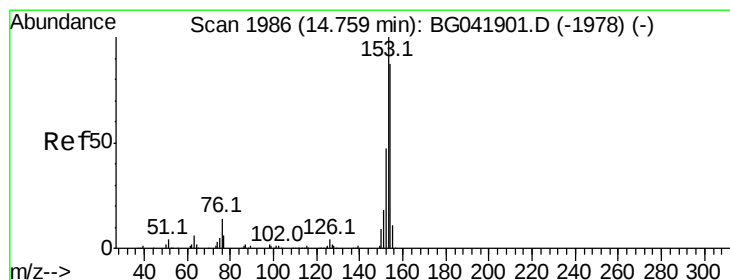
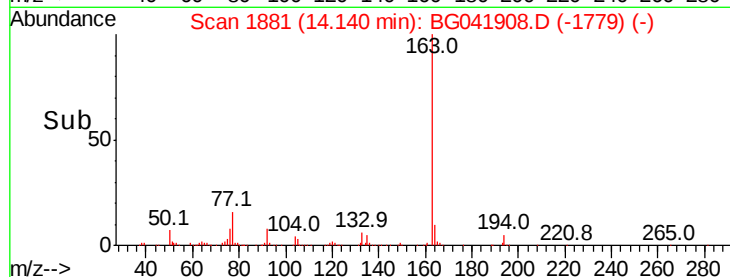
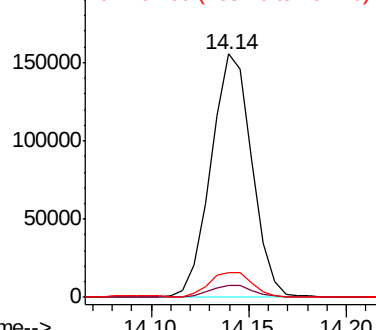


Abundance

Ion 163.00 (162.70 to 163.70): E

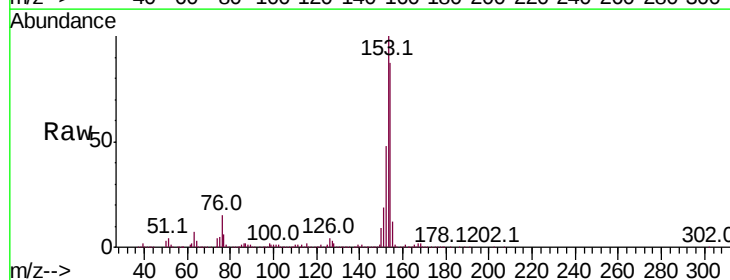
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49
Acenaphthene
Concen: 27.354 ng/ul
RT: 14.76 min Scan# 1987
Delta R.T. 0.00 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	470767		
152	48.2		37.8	56.8
154	86.7		69.4	104.2

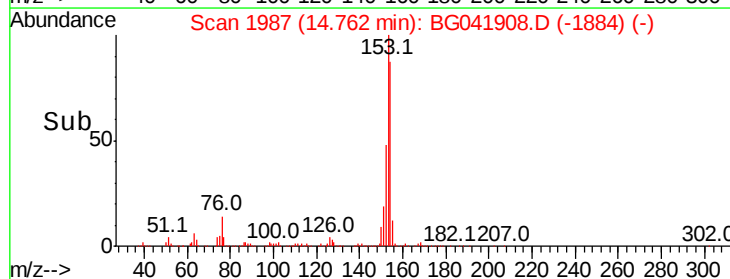
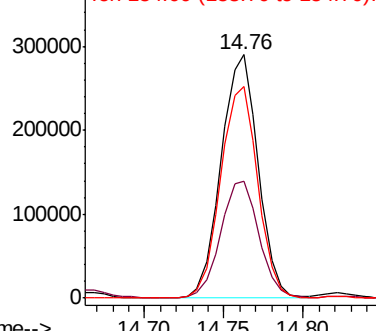


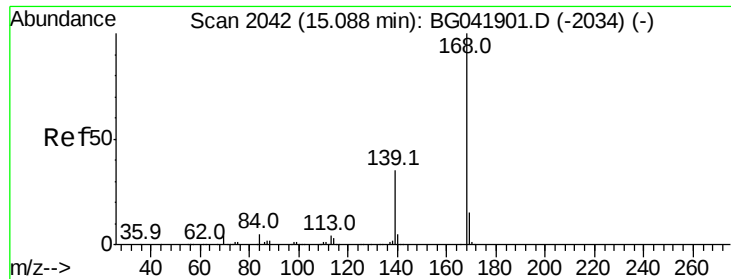
Abundance

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

Dibenzenofuran

Concen: 3.626 ng/ul

RT: 15.09 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Instrument :

BNA_G

ClientSampleId :

BENQ0

Tot Ion:168 Resp: 93128

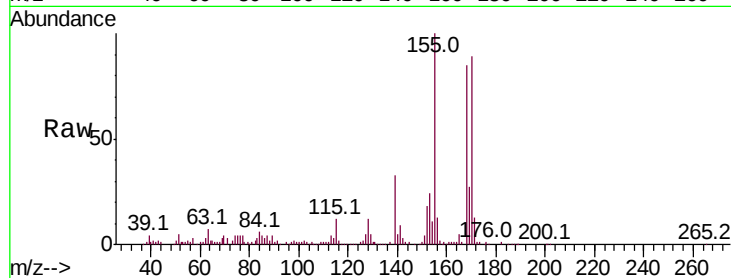
Ion Ratio Lower Upper

168 100

139 39.0 27.3 40.9

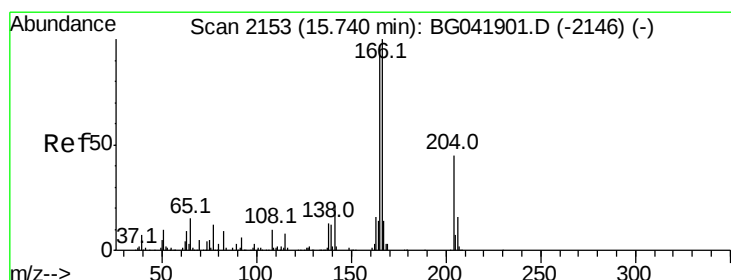
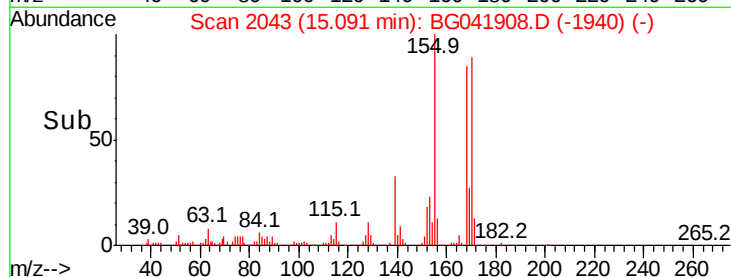
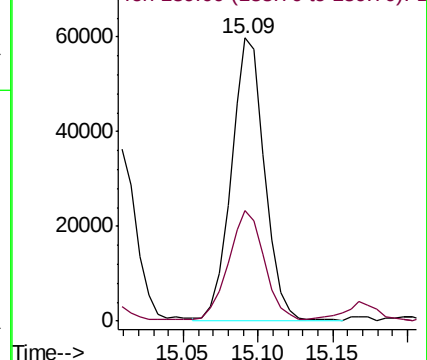
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 18.590 ng/ul

RT: 15.74 min Scan# 2154

Delta R.T. 0.00 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

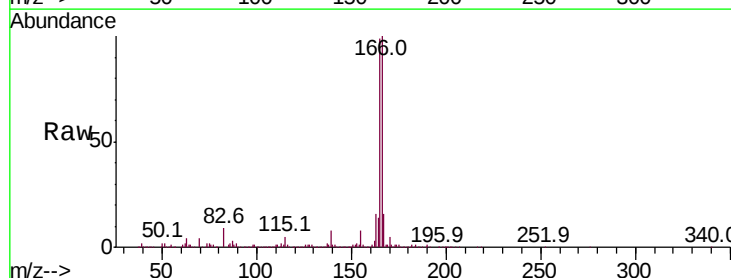
Tgt Ion:166 Resp: 384609

Ion Ratio Lower Upper

166 100

165 98.6 81.1 121.7

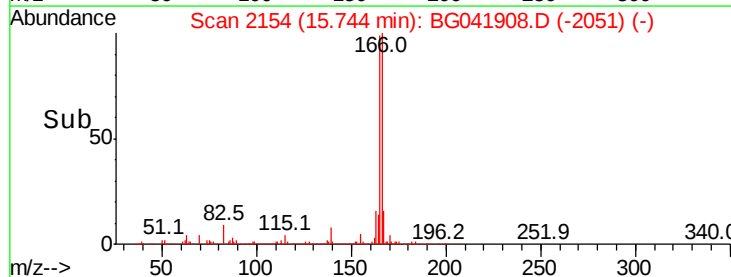
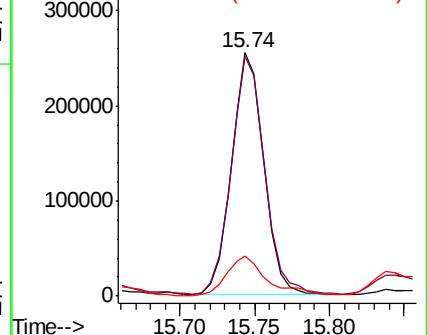
167 16.4 11.0 16.4

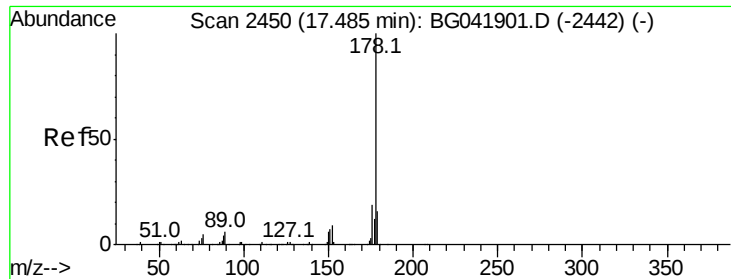


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





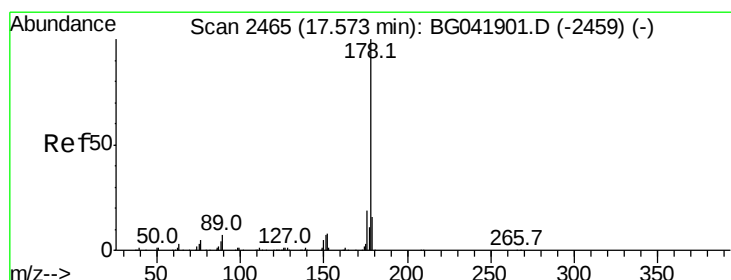
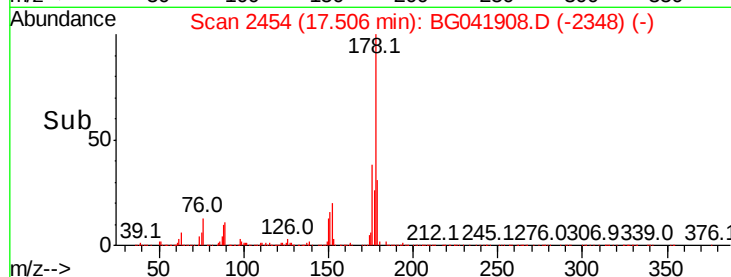
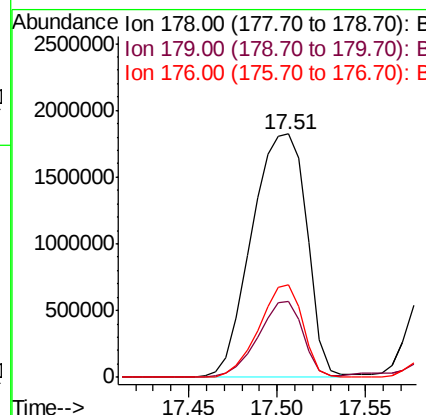
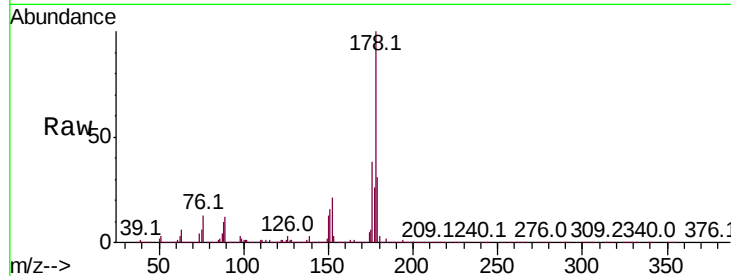
#69
Phenanthrene
Concen: 132.361 ng/ul m
RT: 17.51 min Scan# 2454
Delta R.T. 0.02 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Instrument :
BNA_G
ClientSampleID :
BENQ0

Tot Ion	Ratio	Lower	Upper
178	100		
179	31.1	12.8	19.2#
176	38.1	15.4	23.2#

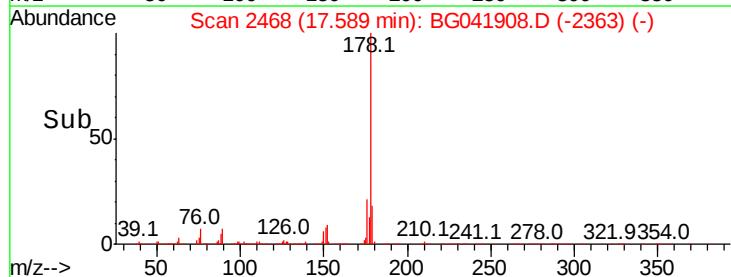
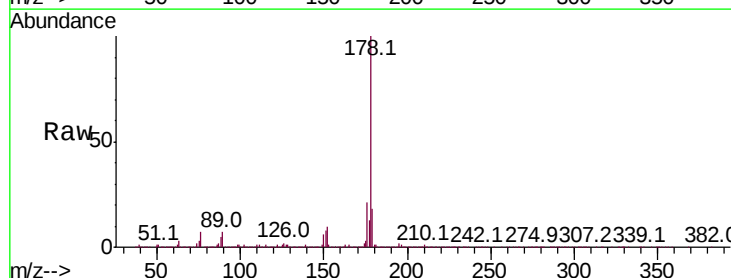
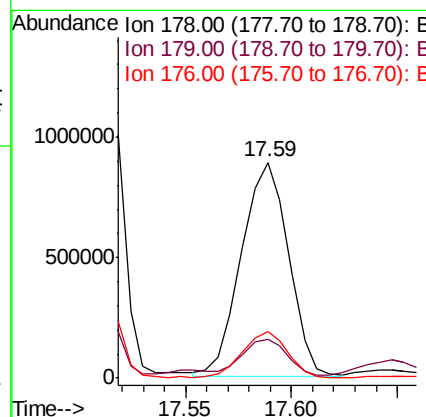
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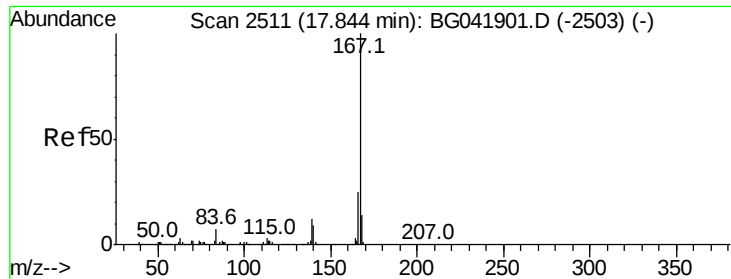
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#71
Anthracene
Concen: 45.619 ng/ul
RT: 17.59 min Scan# 2468
Delta R.T. 0.02 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.2	13.4	20.0
176	21.3	15.4	23.2





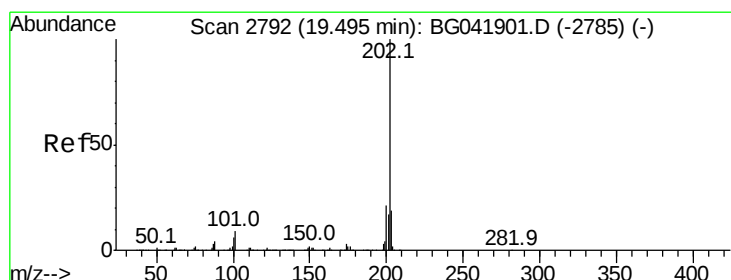
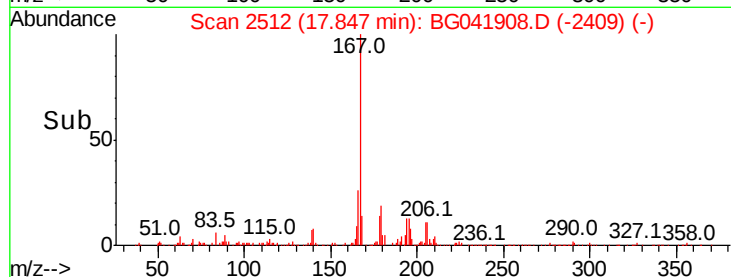
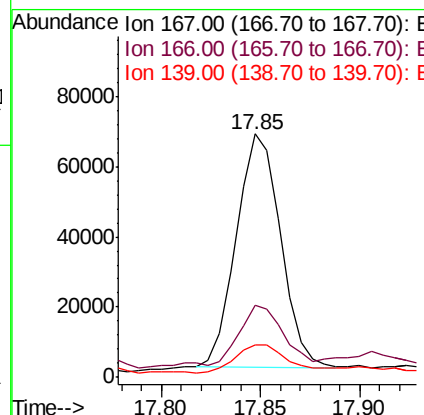
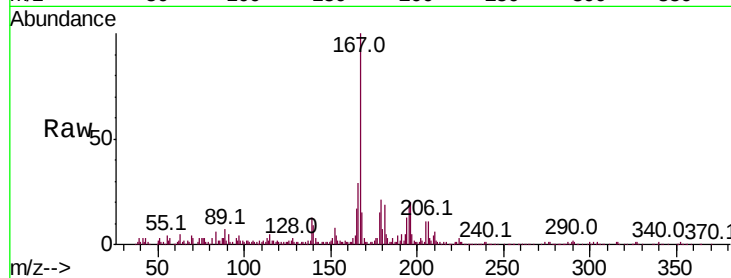
#74
 Carbazole
 Concen: 4.096 ng/ul m
 RT: 17.85 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BG041908.D
 Acq: 3 Aug 2019 13:59

Instrument :
 BNA_G
 ClientSampleId :
 BENQ0

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	29.5	18.2	27.4#	
139	13.1	9.6	14.4	

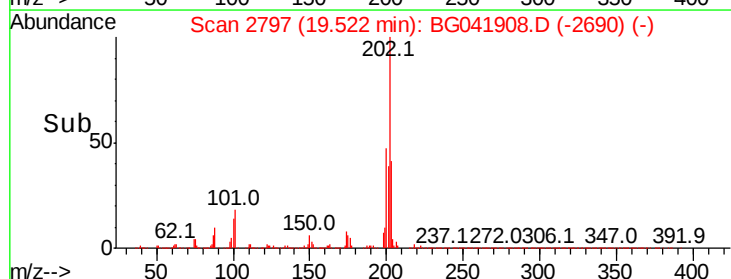
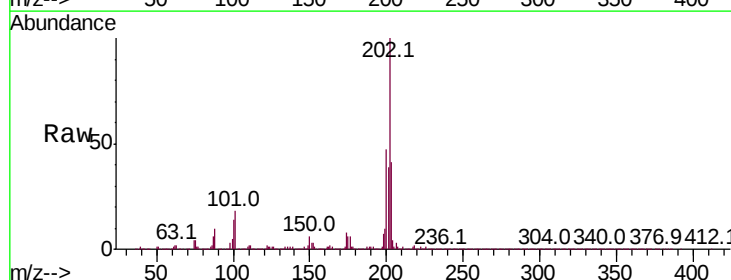
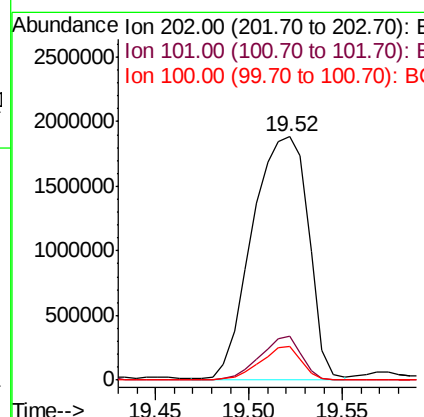
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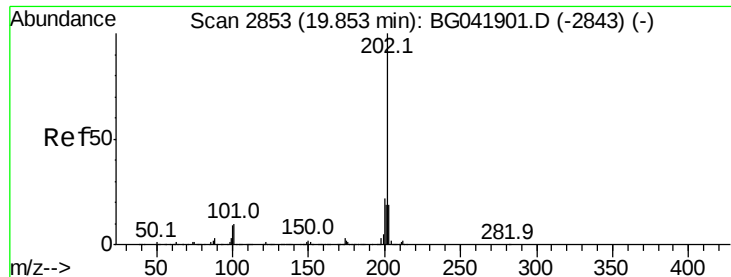
mohammad
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#76
 Fluoranthene
 Concen: 114.665 ng/ul m
 RT: 19.52 min Scan# 2797
 Delta R.T. 0.03 min
 Lab File: BG041908.D
 Acq: 3 Aug 2019 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	18.0	6.7	10.1#	
100	14.0	5.3	7.9#	





#79

Pvrene

Concen: 141.754 ng/ul

RT: 19.89 min Scan# 2860

Delta R.T. 0.04 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Instrument :

BNA_G

ClientSampled :

BENQ0

Tot Ion:202 Resp: 5213573

Ion Ratio Lower Upper

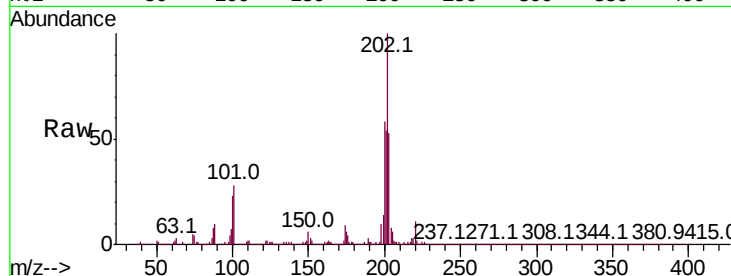
202 100

101 27.6 7.6 11.4#

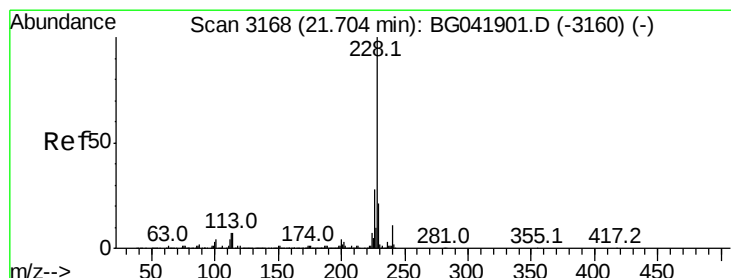
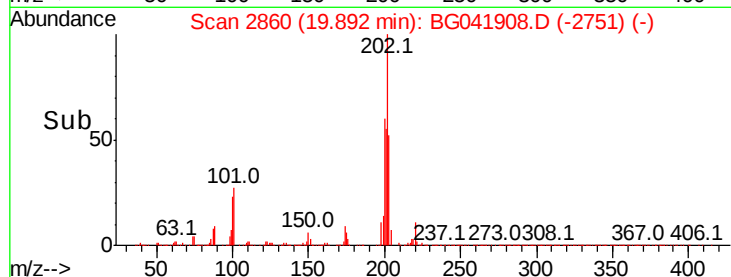
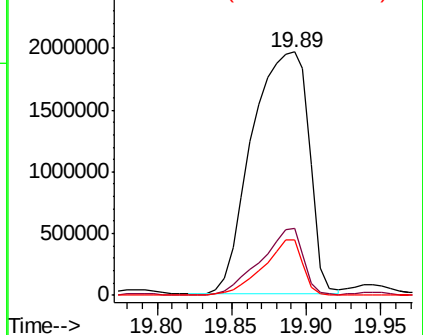
100 22.9 6.5 9.7#

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



#82

Benzo(a)anthracene

Concen: 113.751 ng/ul

RT: 21.74 min Scan# 3174

Delta R.T. 0.03 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Tgt Ion:228 Resp: 4312319

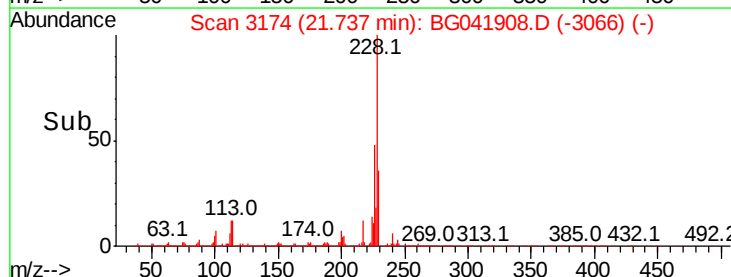
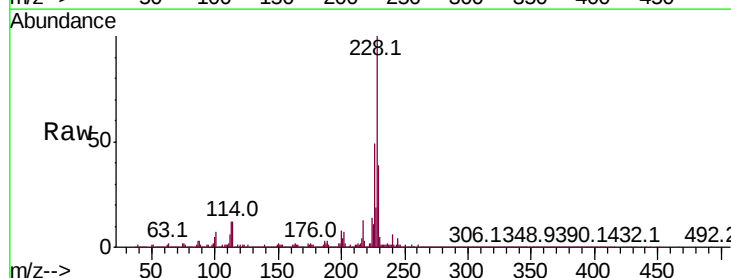
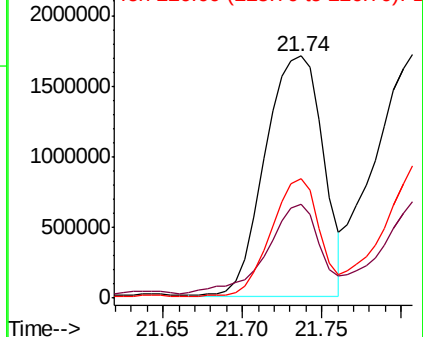
Ion Ratio Lower Upper

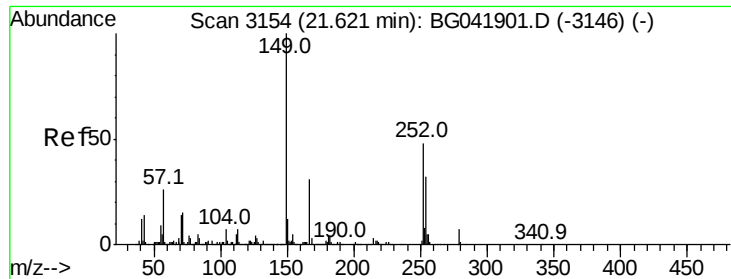
228 100

229 38.6 17.0 25.6#

226 49.5 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





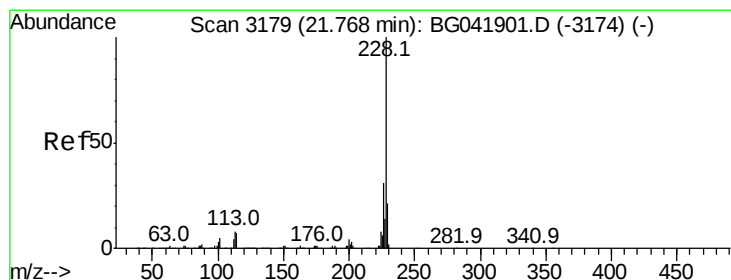
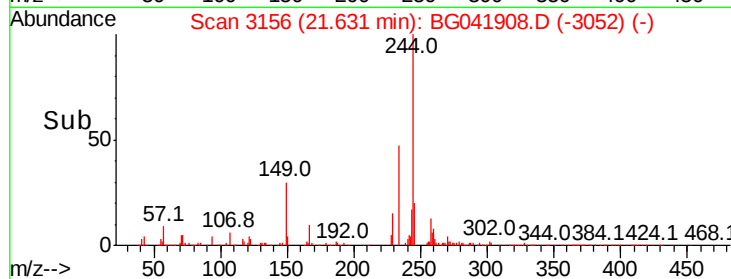
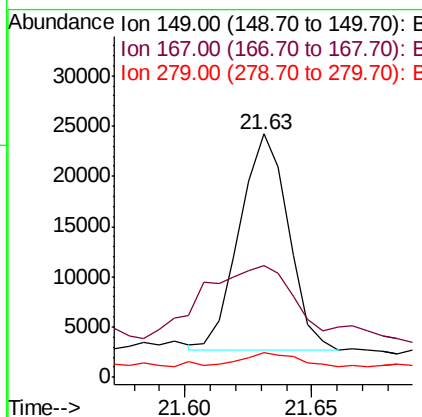
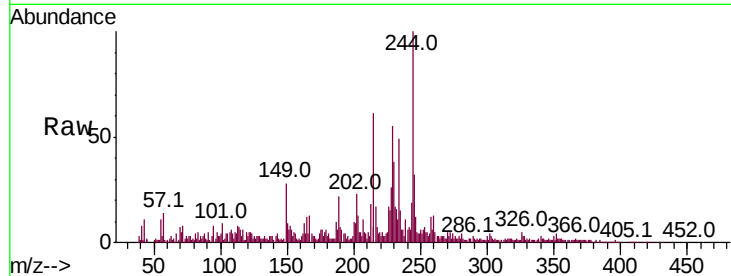
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.459 ng/ul
 RT: 21.63 min Scan# 3156
 Delta R.T. 0.01 min
 Lab File: BG041908.D
 Acq: 3 Aug 2019 13:59

Instrument :
 BNA_G
 ClientSampleId :
 BENQ0

Tot Ion	Ratio	Lower	Upper
149	100		
167	45.7	25.0	37.4#
279	10.2	5.2	7.8#

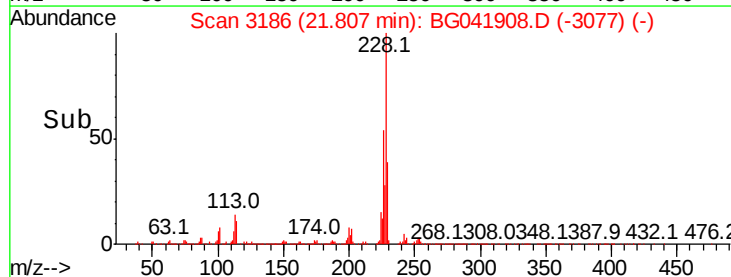
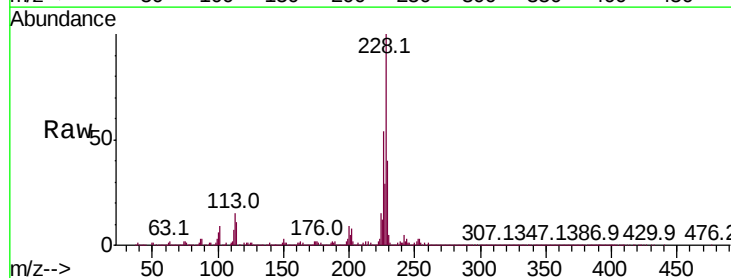
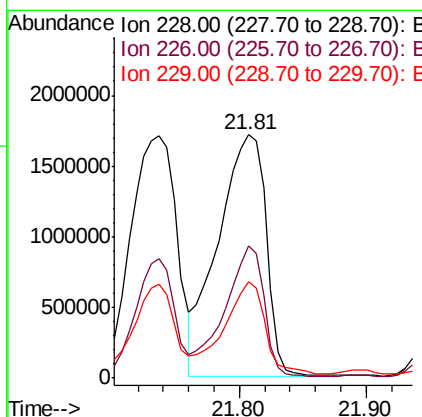
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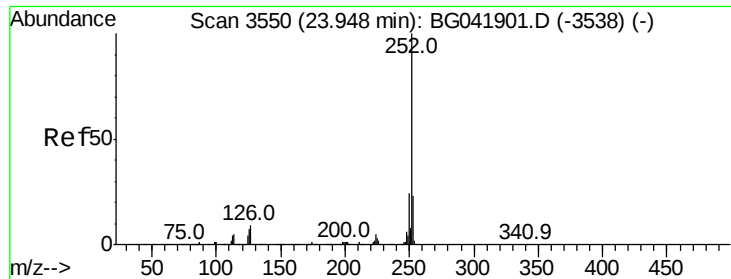
mohammad
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#84
 Chrysene
 Concen: 127.258 ng/ul
 RT: 21.81 min Scan# 3186
 Delta R.T. 0.04 min
 Lab File: BG041908.D
 Acq: 3 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	54.2	25.7	38.5#
229	39.7	16.6	24.8#





#87

Benzo(b)fluoranthene

Concen: 118.518 ng/ul m

RT: 24.02 min Scan# 3562

Delta R.T. 0.07 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Instrument :

BNA_G

ClientSampled :

BENQ0

Tot Ion:252 Resp: 4728162

Ion Ratio Lower Upper

252 100

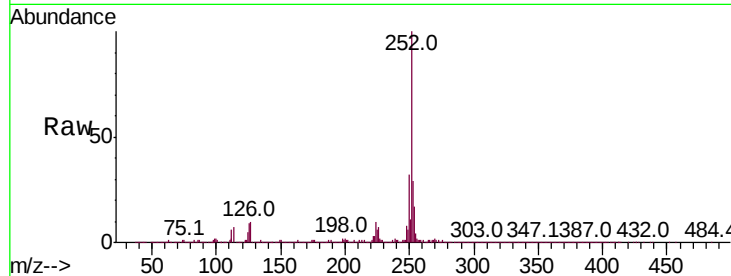
253 29.2 18.4 27.6#

125 9.1 5.8 8.8#

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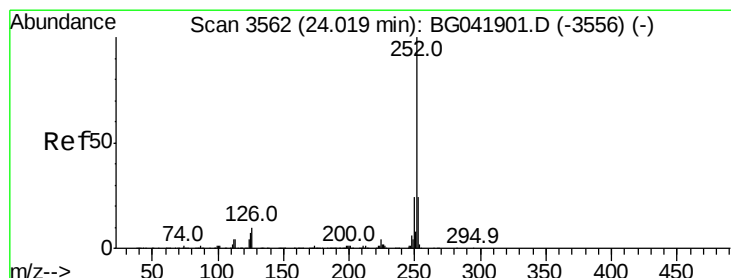
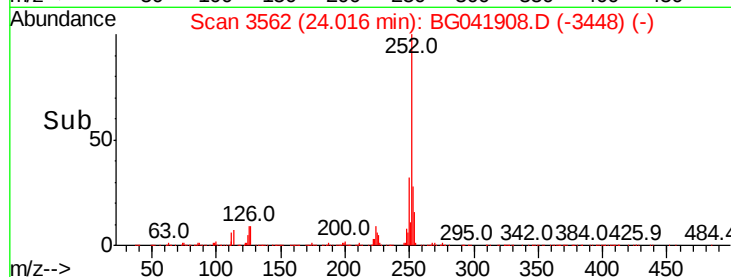
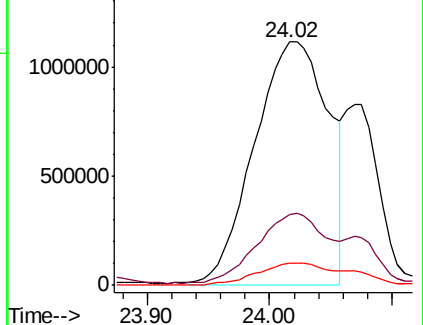
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 41.621 ng/ul m

RT: 24.08 min Scan# 3572

Delta R.T. 0.06 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Tgt Ion:252 Resp: 1596474

Ion Ratio Lower Upper

252 100

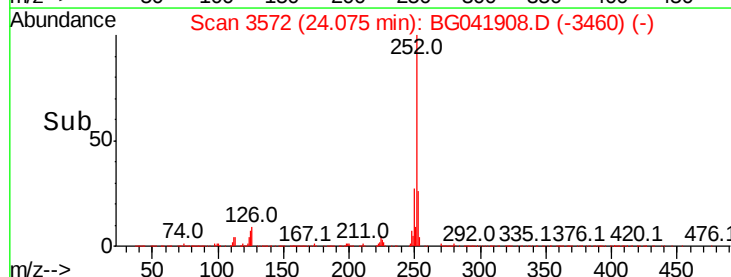
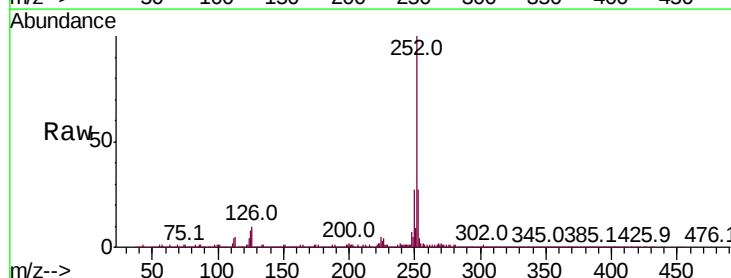
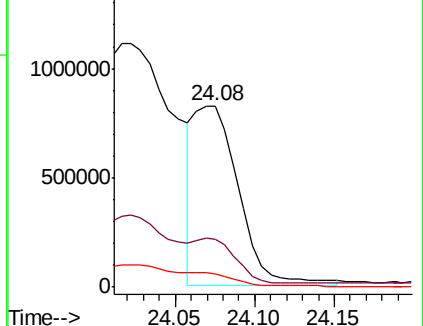
253 26.6 18.3 27.5

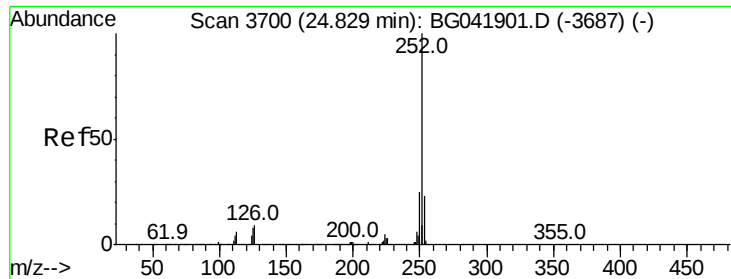
125 7.6 5.5 8.3

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





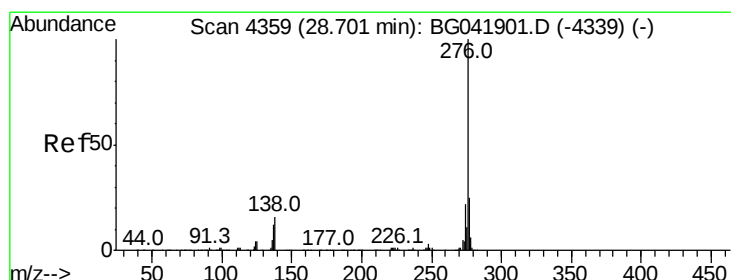
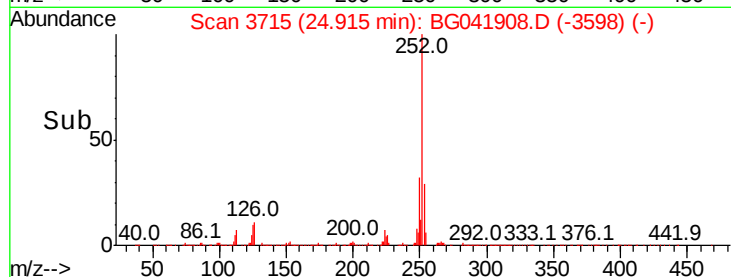
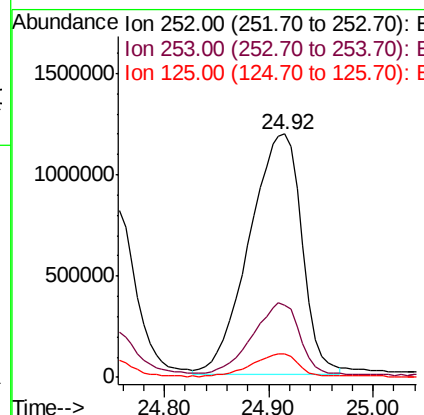
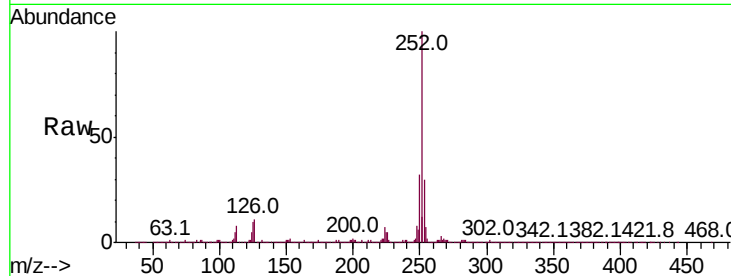
#90
Benzo(a)pyrene
Concen: 109.358 ng/ul m
RT: 24.92 min Scan# 3715
Delta R.T. 0.09 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Instrument :
BNA_G
ClientSampleId :
BENQ0

Tot Ion:252 Resp: 4157343
Ion Ratio Lower Upper
252 100
253 29.8 18.3 27.5#
125 9.7 6.5 9.7

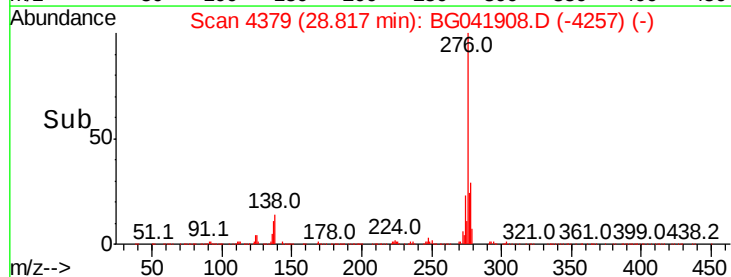
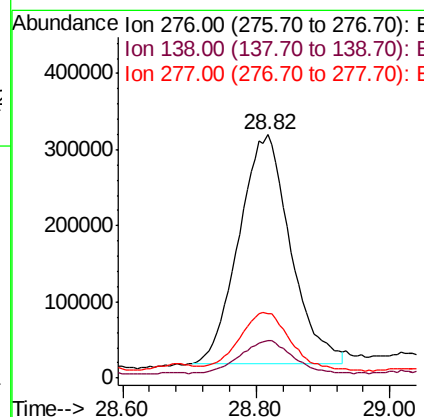
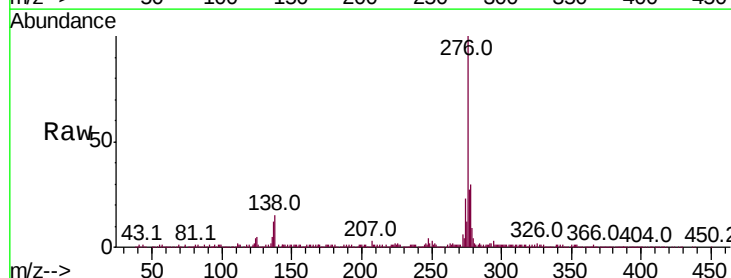
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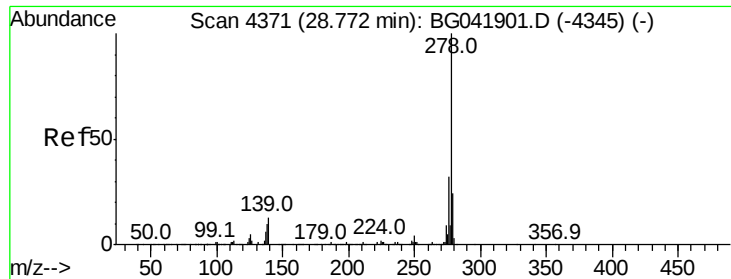
mohammad
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#91
Indeno(1,2,3-cd)pyrene
Concen: 36.353 ng/ul
RT: 28.82 min Scan# 4379
Delta R.T. 0.12 min
Lab File: BG041908.D
Acq: 3 Aug 2019 13:59

Tgt Ion:276 Resp: 1611935
Ion Ratio Lower Upper
276 100
138 15.2 12.0 18.0
277 26.7 19.2 28.8





#92

Dibenzo(a,h)anthracene

Concen: 16.792 ng/ul

RT: 28.85 min Scan# 4384

Delta R.T. 0.07 min

Lab File: BG041908.D

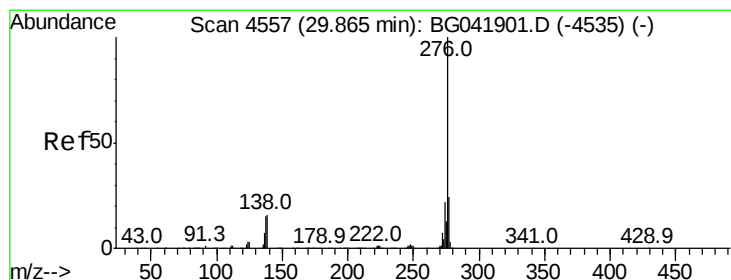
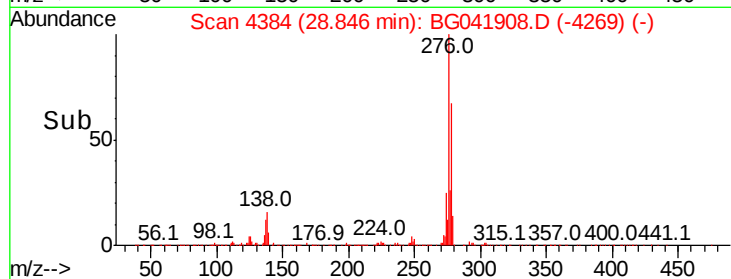
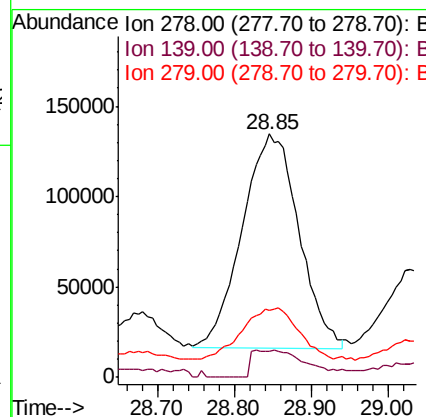
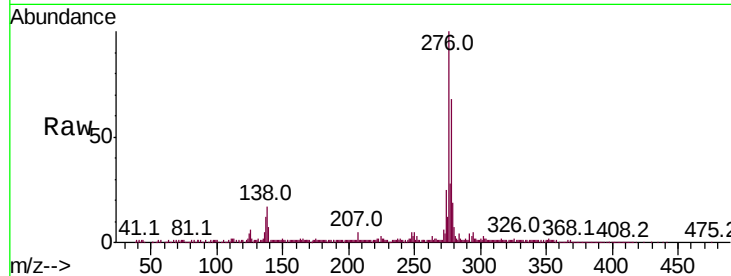
Acq: 3 Aug 2019 13:59

Instrument :
BNA_G
ClientSampleId :
BENQ0

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.9	9.4	14.0
279	27.5	19.2	28.8

Manual Integrations
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#93

Benzo(g,h,i)perylene

Concen: 42.393 ng/ul

RT: 30.00 min Scan# 4580

Delta R.T. 0.13 min

Lab File: BG041908.D

Acq: 3 Aug 2019 13:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.0	12.6	18.8
277	26.0	19.2	28.8

