

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046322.D
 Acq On : 18 Aug 2020 11:07
 Operator : CG/JU
 Sample : L3636-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMK1

Manual Integrations
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Quant Time: Aug 18 12:17:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	84420	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	349827	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	231645	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	496944	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	482893	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	529754	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	64862	10.77	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	251079	11.78	ng/ul	0.00
10) Fluorene-d10	15.56	176	197993	12.12	ng/ul	0.00
15) Anthracene-d10	17.41	188	276490	12.00	ng/ul	0.00
19) Pyrene-d10	19.69	212	288243	11.60	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	313331	10.84	ng/ul	0.00
Target Compounds						
					Qvalue	
4) Naphthalene	10.78	128	152176	8.363	ng/ul	98
5) 2-Methylnaphthalene	12.39	142	77949	5.619	ng/ul	100
8) Acenaphthylene	14.29	152	72819	3.360	ng/ul	97
9) Acenaphthene	14.63	153	158149	10.218	ng/ul	98
11) Fluorene	15.61	166	221789	12.256	ng/ul	98
14) Phenanthrene	17.36	178	2216600m	81.079	ng/ul	
16) Anthracene	17.44	178	673531	24.417	ng/ul	99
17) Fluoranthene	19.37	202	2440299m	80.052	ng/ul	
20) Pyrene	19.73	202	2075686	65.484	ng/ul#	95
21) Benzo(a)anthracene	21.54	228	1488031	47.362	ng/ul	93
22) Chrysene	21.61	228	1360960m	44.809	ng/ul	
24) Benzo(b)fluoranthene	23.70	252	1634093	46.646	ng/ul	95
25) Benzo(k)fluoranthene	23.75	252	575208m	16.552	ng/ul	
27) Benzo(a)pyrene	24.53	252	1104180	34.332	ng/ul	96
28) Indeno(1,2,3-cd)pyrene	28.18	276	680370	16.895	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	225618	6.910	ng/ul#	93
30) Benzo(g,h,i)perylene	29.27	276	495105	14.691	ng/ul	100

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

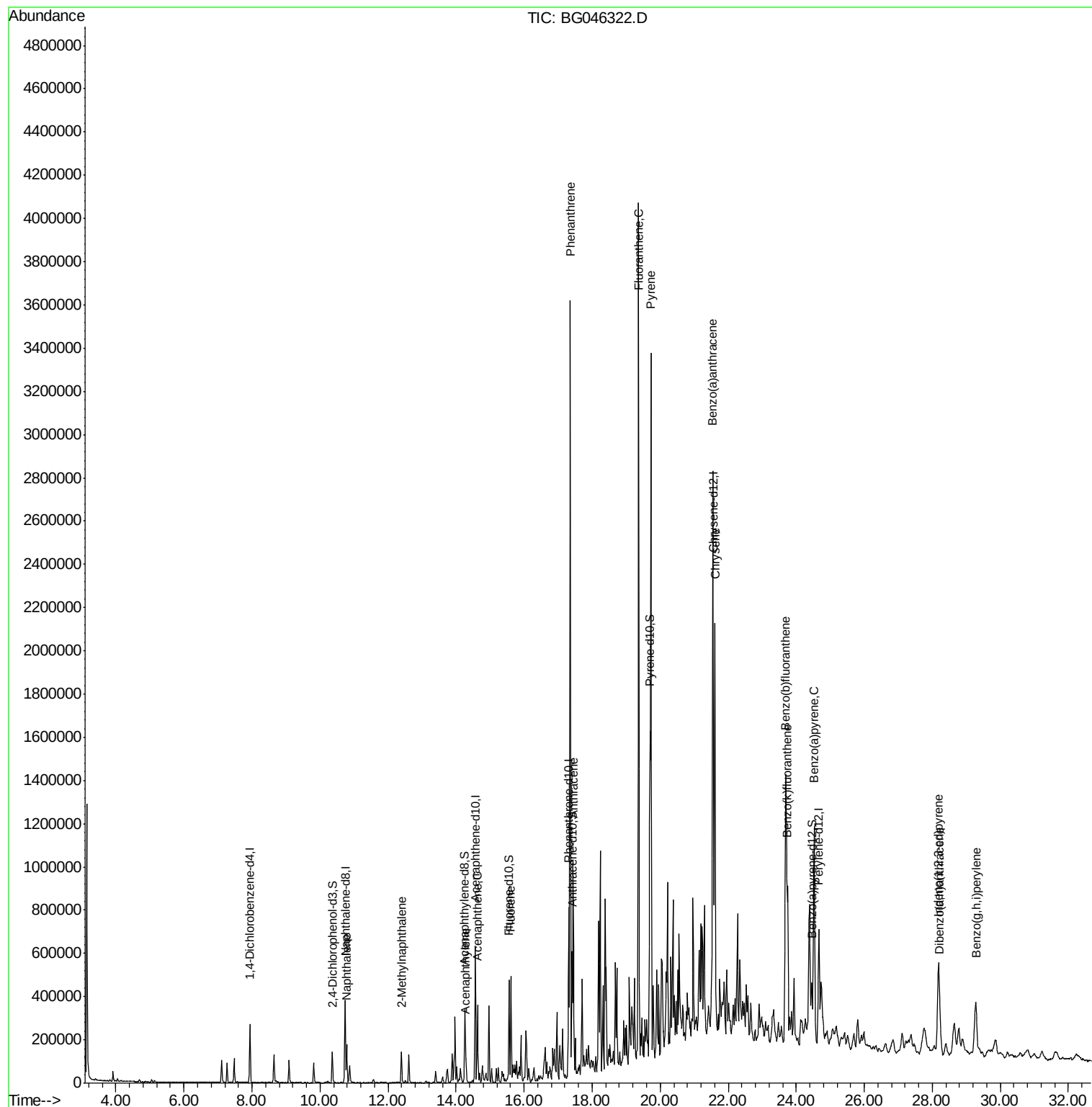
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046322.D
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ALS Vial : 29 Sample Multiplier: 1

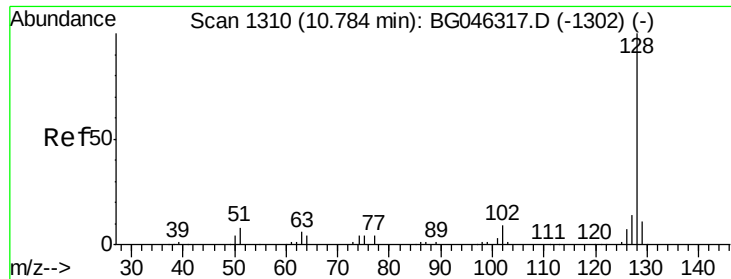
Instrument :
BNA_G
ClientSampleId :
BFMK1

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Quant Time: Aug 18 12:17:02 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 13 13:50:19 2020
Response via : Initial Calibration





#4

Naphthalene

Concen: 8.363 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046322.D

Acq: 18 Aug 2020 11:07

Instrument :

BNA_G

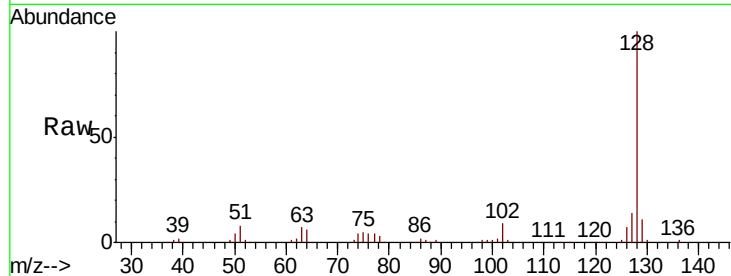
ClientSampleId :

BFMK1

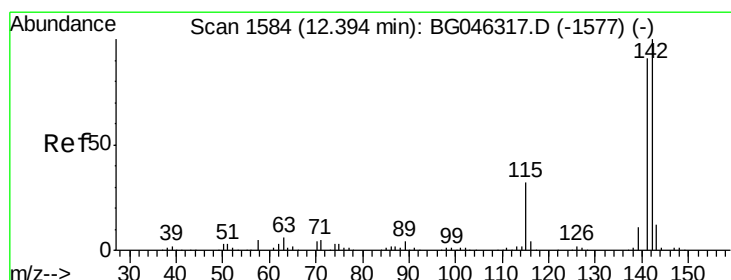
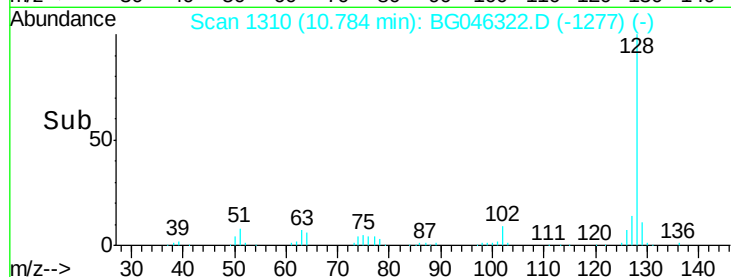
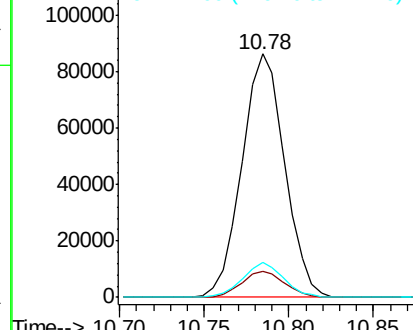
Tot Ion:	128	Resp:	152176
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.0	13.6
127	14.1	10.9	16.3

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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



#5

2-Methylnaphthalene

Concen: 5.619 ng/ul

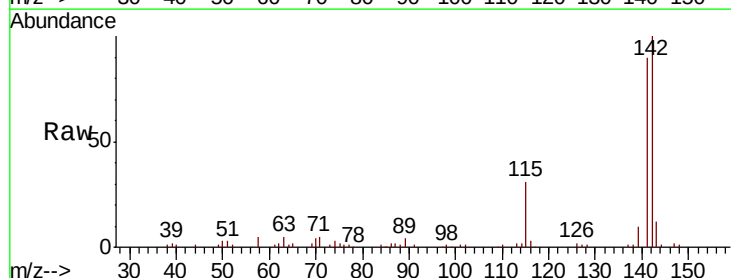
RT: 12.39 min Scan# 1584

Delta R.T. -0.01 min

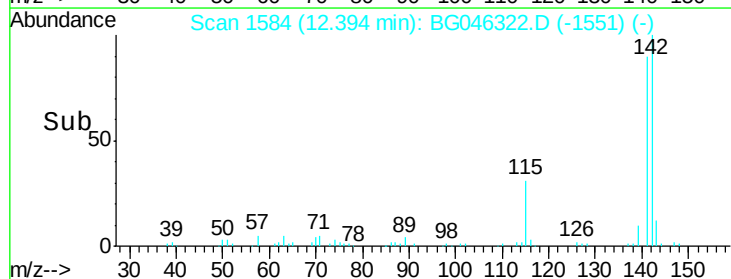
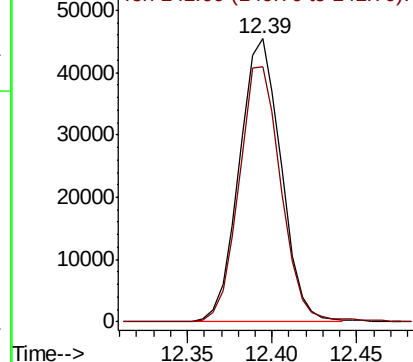
Lab File: BG046322.D

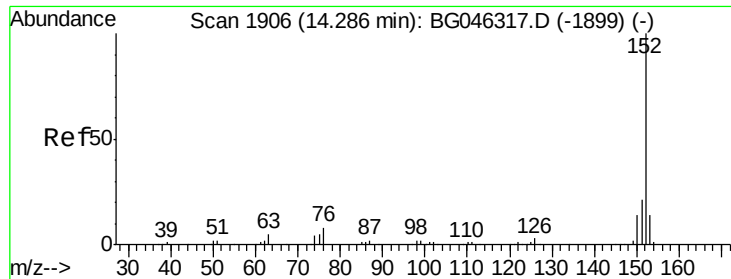
Acq: 18 Aug 2020 11:07

Tgt Ion:	142	Resp:	77949
Ion Ratio	Lower	Upper	
142	100		
141	90.3	72.5	108.7



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





#8

Acenaphthylene

Concen: 3.360 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BG046322.D

Acq: 18 Aug 2020 11:07

Instrument :

BNA_G

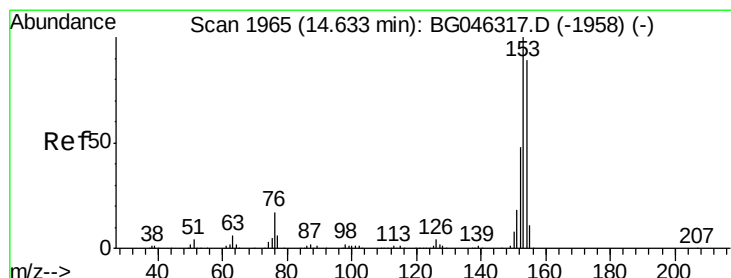
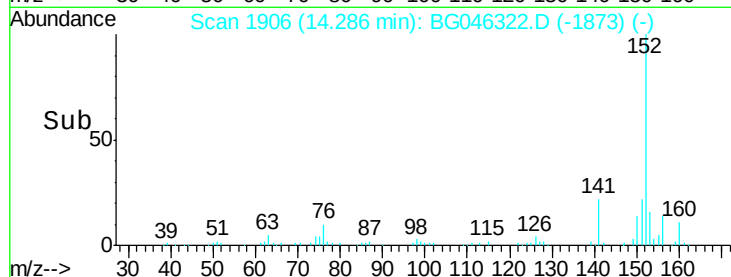
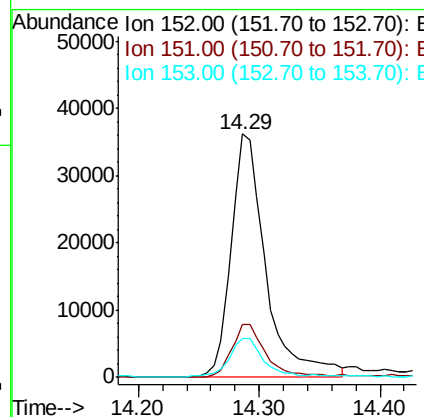
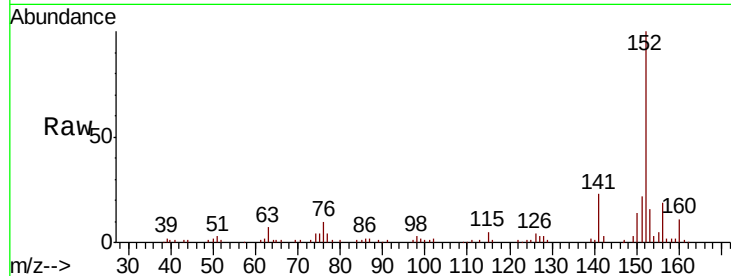
ClientSampleId :

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Tot Ion:	152	Resp:	72819
Ion Ratio	Lower	Upper	
152	100		
151	21.6	16.5	24.7
153	15.8	11.0	16.6

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#9

Acenaphthene

Concen: 10.218 ng/ul

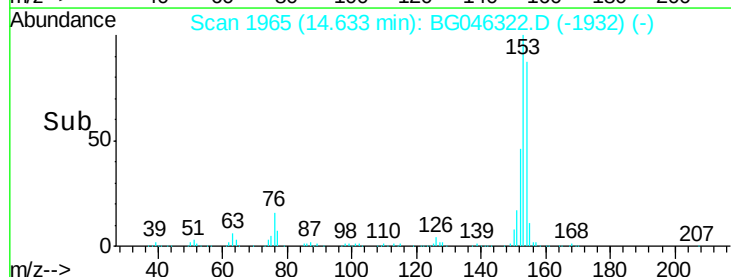
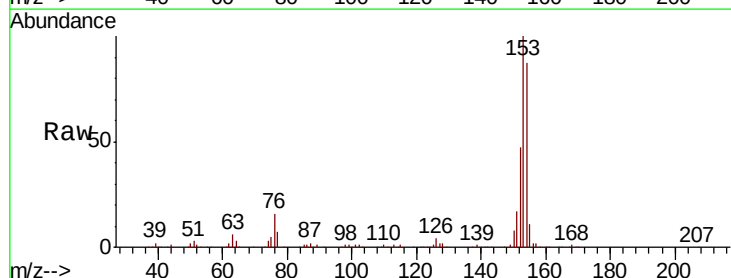
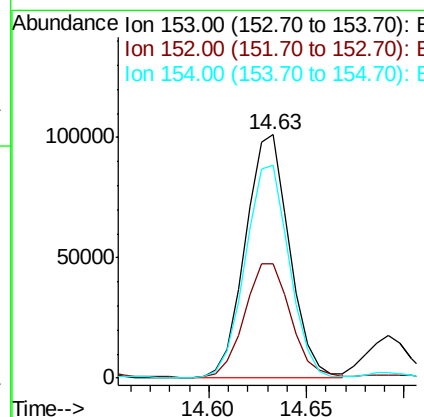
RT: 14.63 min Scan# 1965

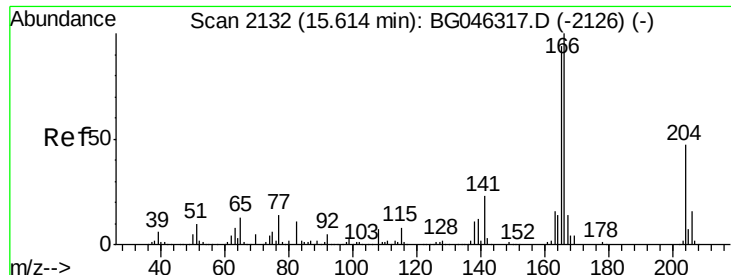
Delta R.T. -0.01 min

Lab File: BG046322.D

Acq: 18 Aug 2020 11:07

Tgt Ion:	153	Resp:	158149
Ion Ratio	Lower	Upper	
153	100		
152	46.8	37.2	55.8
154	87.3	67.8	101.6





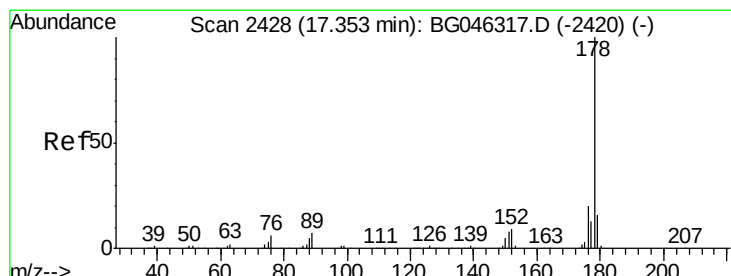
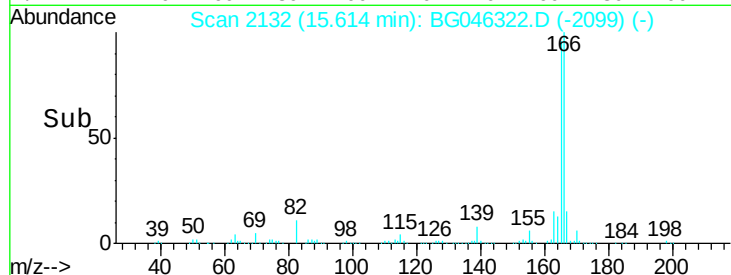
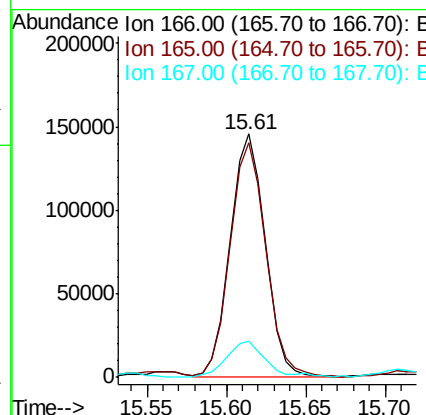
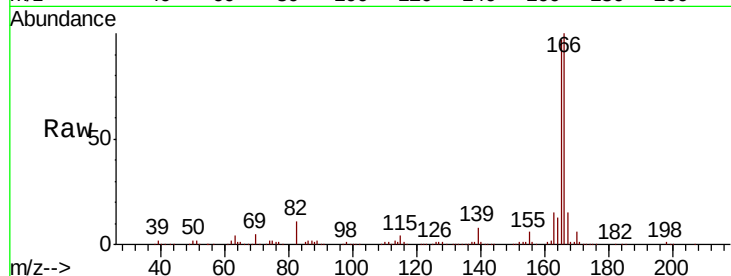
#11
Fluorene
 Concen: 12.256 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BG046322.D
 Acq: 18 Aug 2020 11:07

Instrument :
 BNA_G
 ClientSampleId :
 BFMK1

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	75.9	113.9
167	14.8	10.7	16.1

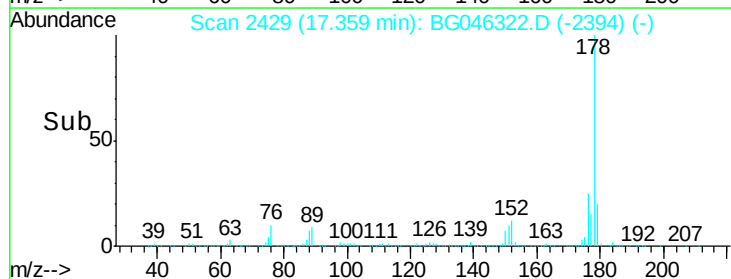
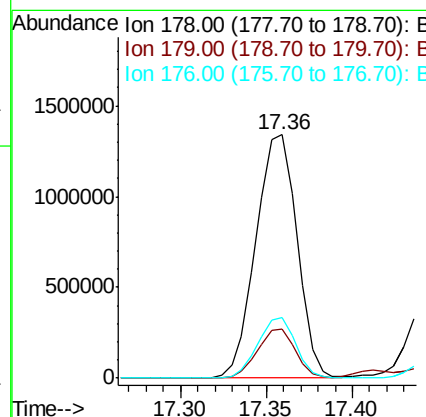
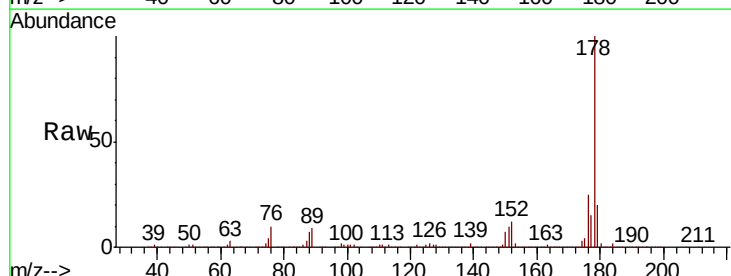
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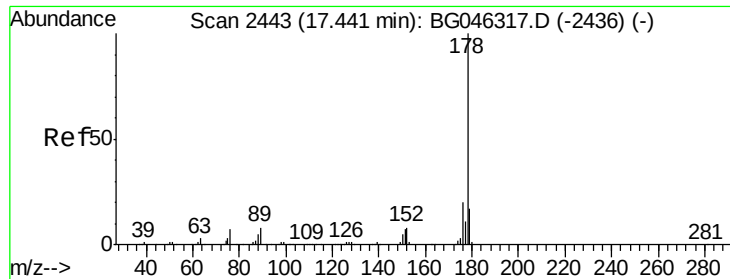
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#14
Phenanthrene
 Concen: 81.079 ng/ul m
 RT: 17.36 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: BG046322.D
 Acq: 18 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
178	100		
179	20.3	12.8	19.2#
176	25.0	15.8	23.8#





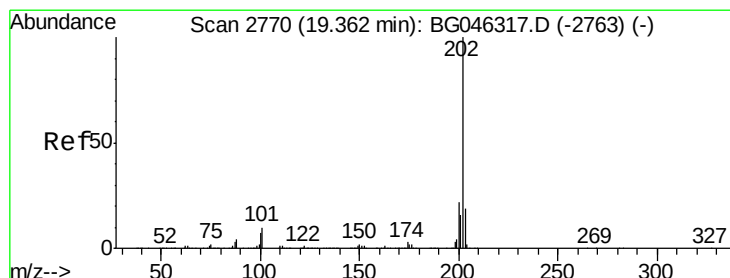
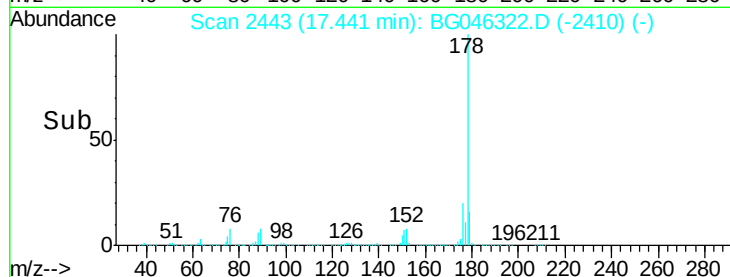
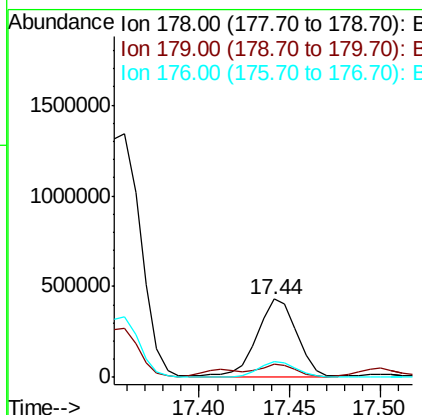
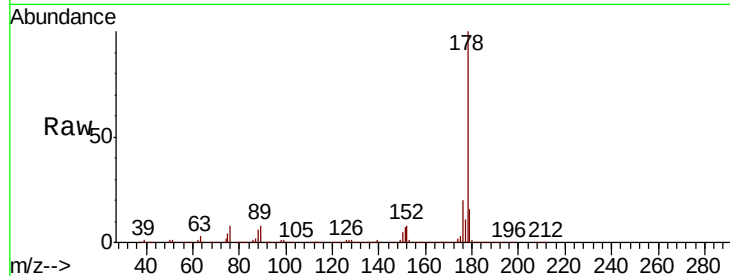
#16
 Anthracene
 Concen: 24.417 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046322.D
 Acq: 18 Aug 2020 11:07

Instrument :
 BNA_G
 ClientSampleId :
 BFMK1

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.2	19.8
176	20.1	15.2	22.8

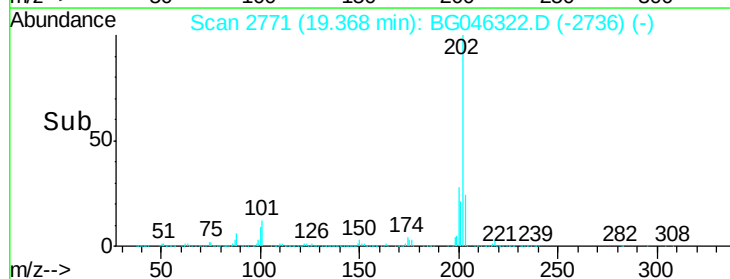
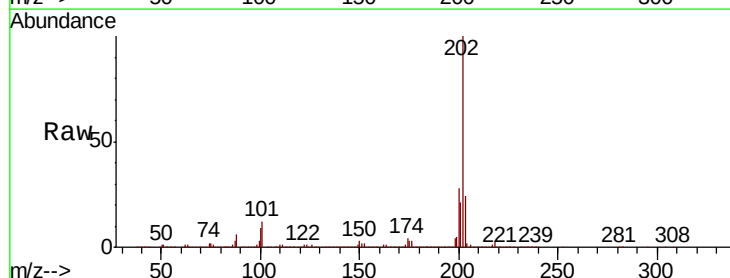
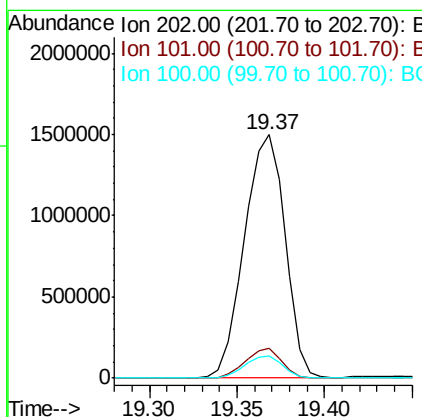
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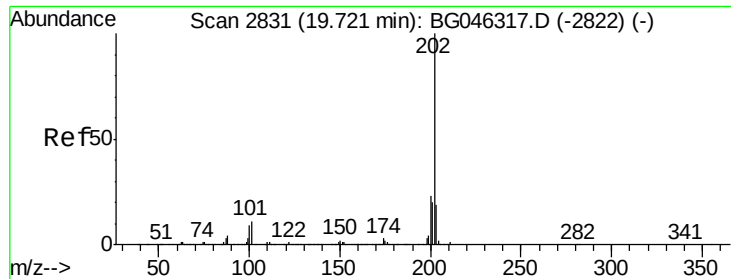
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#17
 Fluoranthene
 Concen: 80.052 ng/ul m
 RT: 19.37 min Scan# 2771
 Delta R.T. 0.00 min
 Lab File: BG046322.D
 Acq: 18 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.1	7.8	11.6#
100	9.2	5.9	8.9#





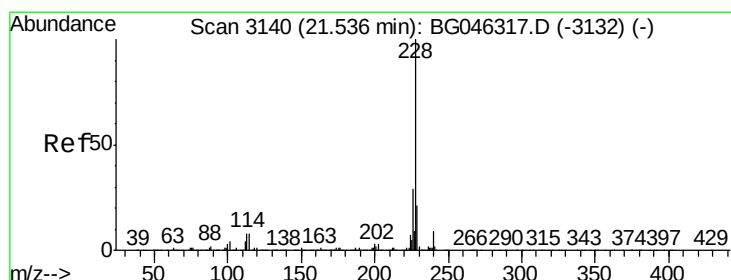
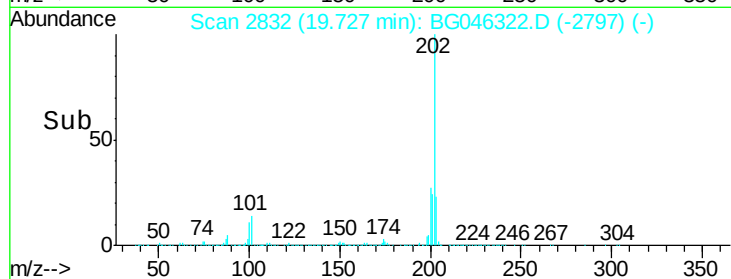
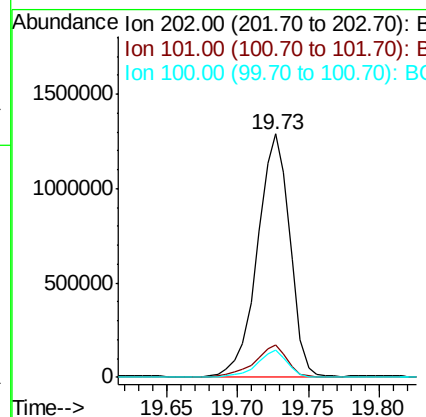
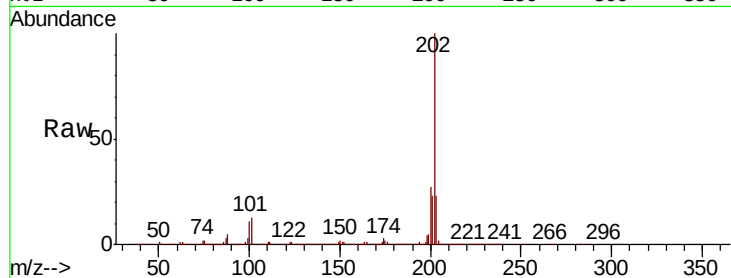
#20
Pvrene
Concen: 65.484 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Instrument :
BNA_G
ClientSampleId :
BFMK1

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.5	8.9	13.3#
100	11.2	7.9	11.9

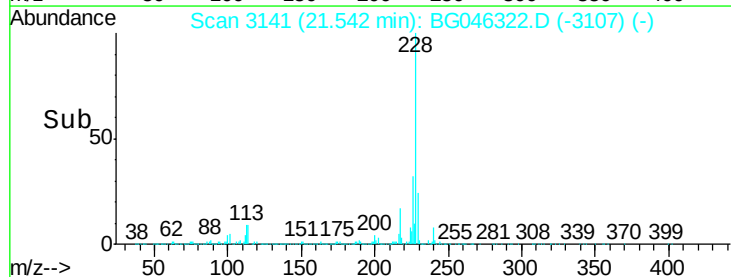
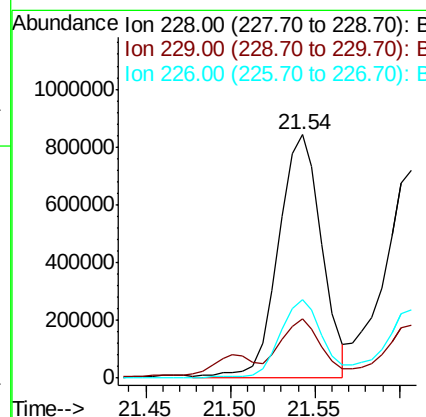
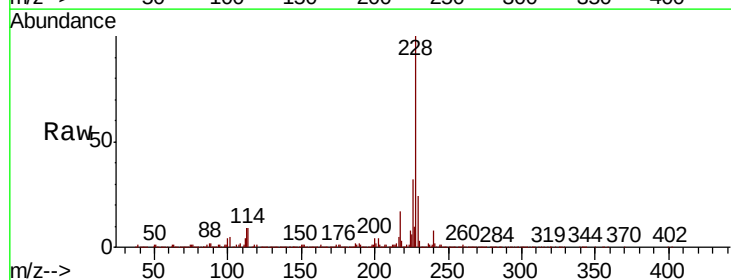
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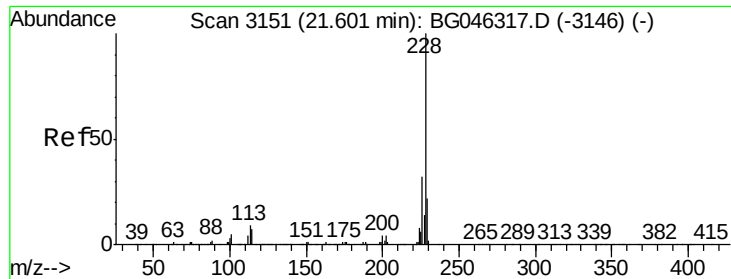
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#21
Benzo(a)anthracene
Concen: 47.362 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
228	100		
229	24.2	16.6	25.0
226	32.1	22.6	33.8





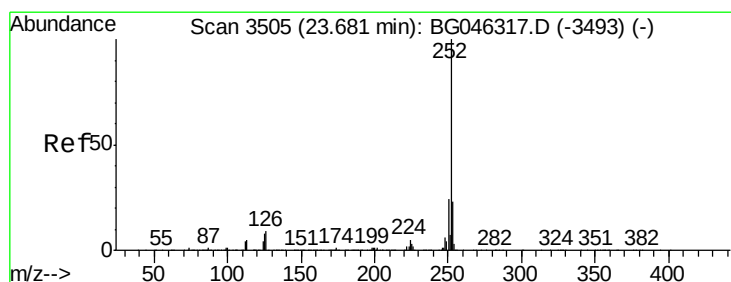
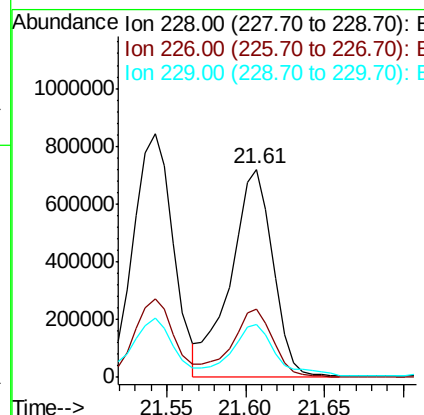
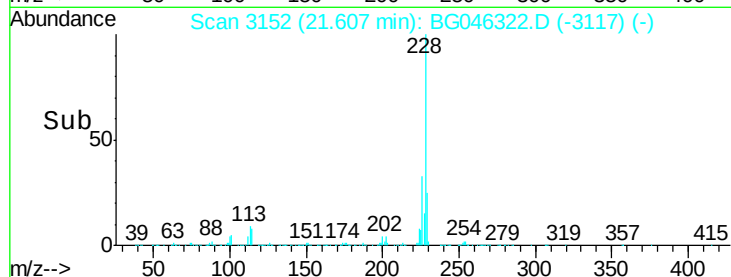
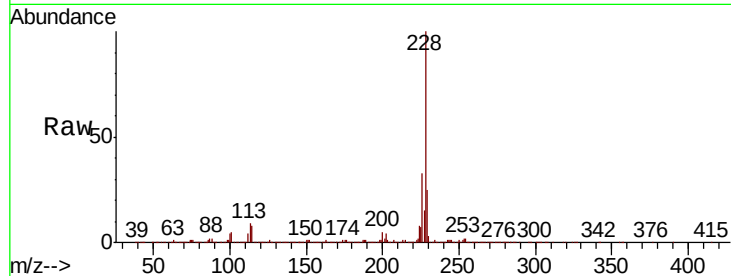
#22
Chrysene
Concen: 44.809 ng/ul m
RT: 21.61 min Scan# 3152
Delta R.T. 0.00 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Instrument :
BNA_G
ClientSampleId :
BFMK1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.5	38.3
229	25.5	17.0	25.4

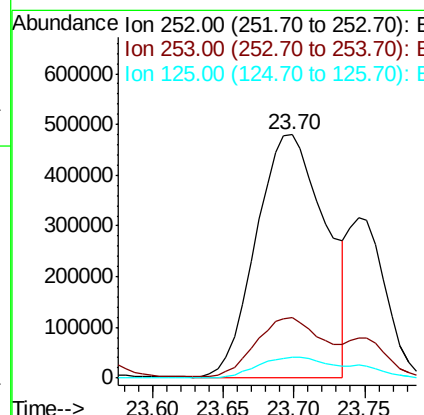
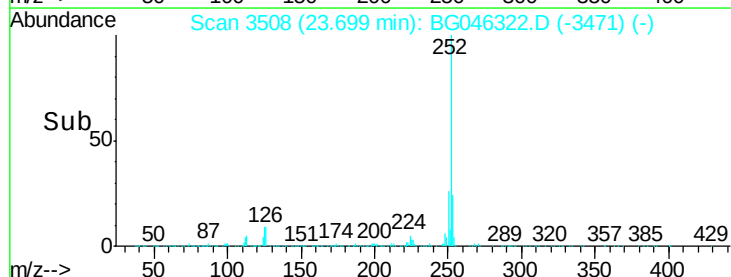
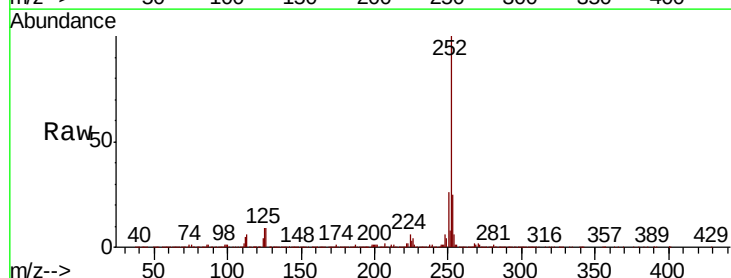
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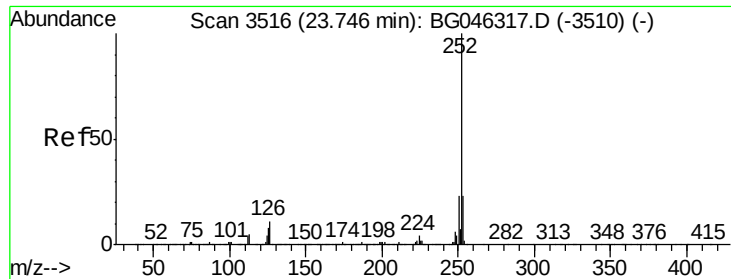
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#24
Benzo(b)fluoranthene
Concen: 46.646 ng/ul
RT: 23.70 min Scan# 3508
Delta R.T. 0.02 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	8.8	6.4	9.6





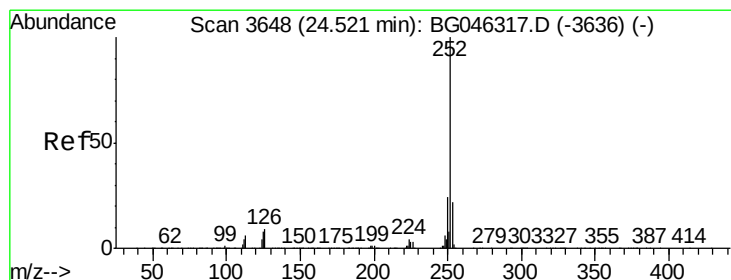
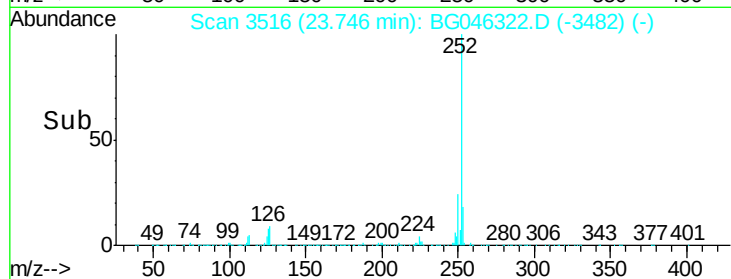
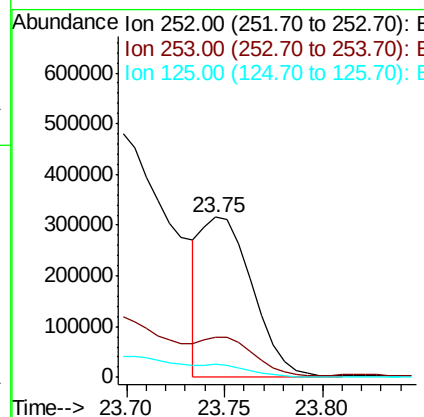
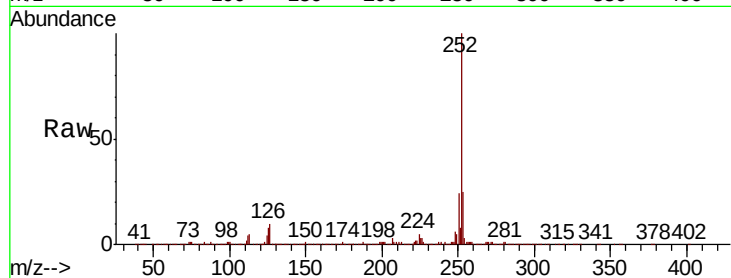
#25
Benzo(k)fluoranthene
Concen: 16.552 ng/ul m
RT: 23.75 min Scan# 3516
Delta R.T. -0.00 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Instrument :
BNA_G
ClientSampleId :
BFMK1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.5	27.7
125	8.1	6.2	9.2

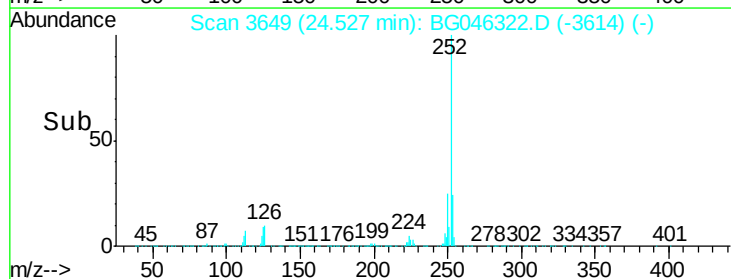
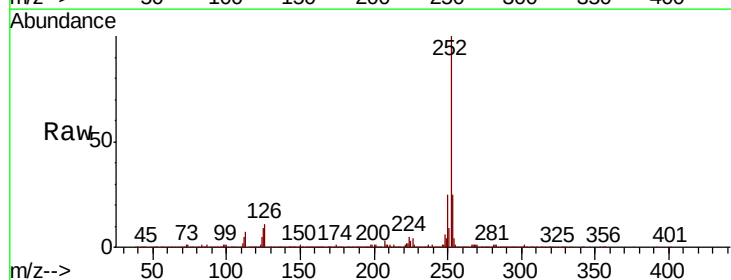
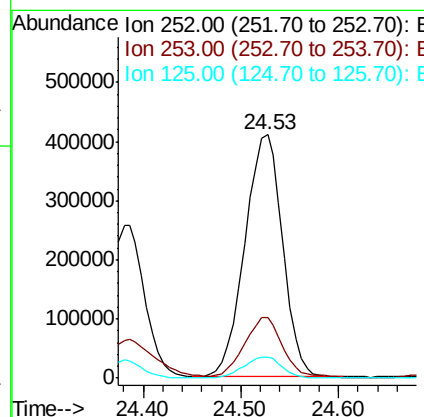
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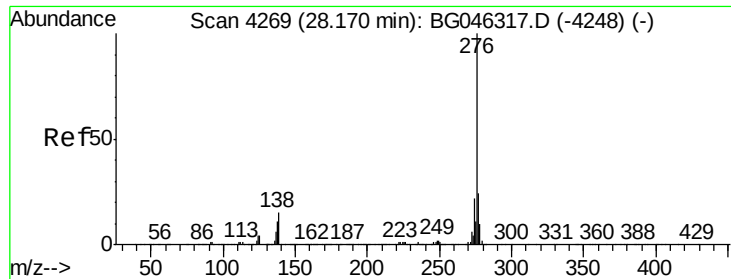
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#27
Benzo(a)pyrene
Concen: 34.332 ng/ul
RT: 24.53 min Scan# 3649
Delta R.T. 0.00 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	8.7	7.1	10.7





#28

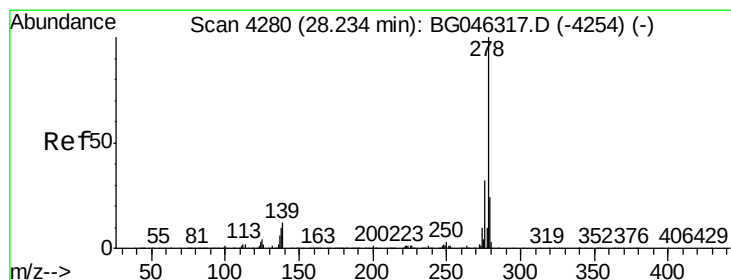
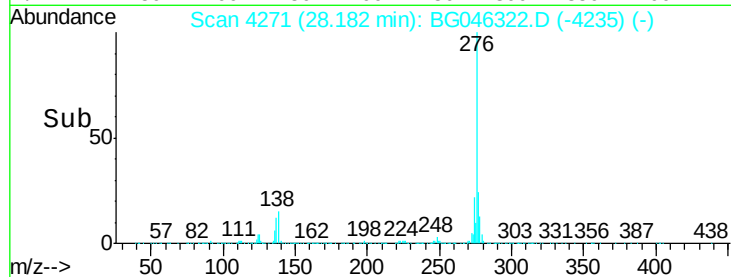
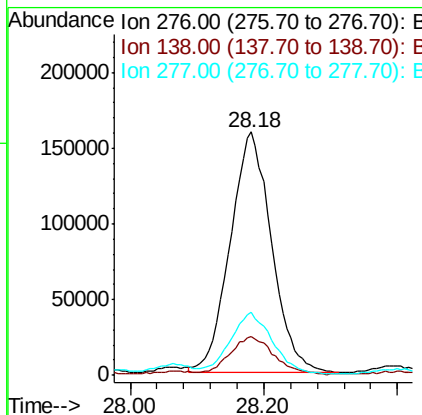
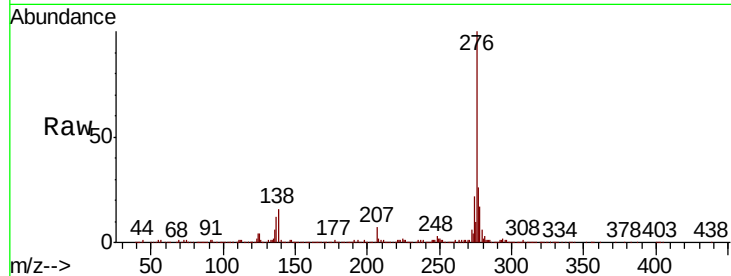
Indeno(1,2,3-cd)pyrene
Concen: 16.895 ng/ul
RT: 28.18 min Scan# 4271
Delta R.T. 0.01 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Instrument :
BNA_G
ClientSampleId :
BFMK1

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	13.2	19.8
277	26.1	19.9	29.9

Manual Integrations
APPROVED

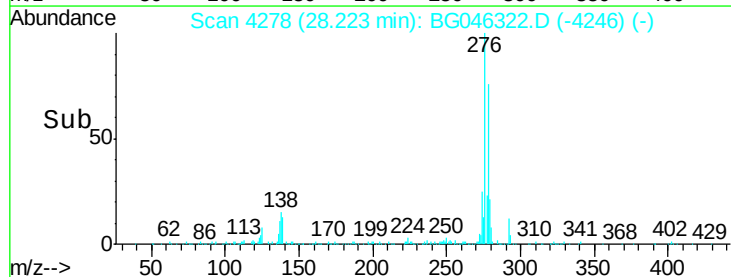
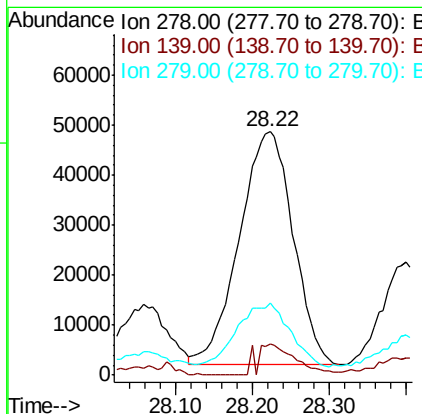
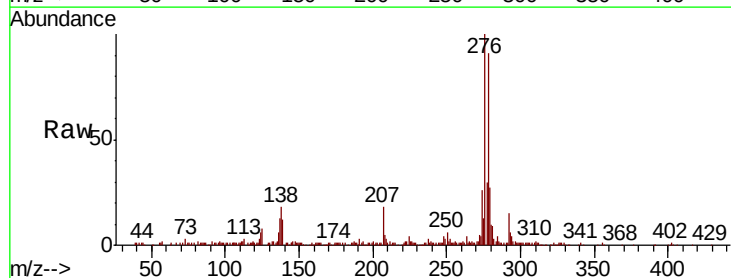
mohammad
8/19/2020 2:16:38 PM

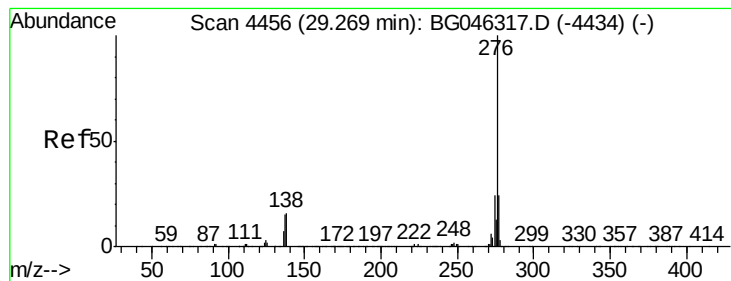


#29

Dibenzo(a,h)anthracene
Concen: 6.910 ng/ul
RT: 28.22 min Scan# 4278
Delta R.T. -0.01 min
Lab File: BG046322.D
Acq: 18 Aug 2020 11:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.0	9.8	14.8
279	29.8	19.7	29.5#





#30

Benzo(a,h,i)perylene

Concen: 14.691 ng/ul

RT: 29.27 min Scan# 4457

Delta R.T. 0.01 min

Lab File: BG046322.D

Acq: 18 Aug 2020 11:07

Instrument :

BNA_G

ClientSampleId :

BFMK1

Tot Ion:	276	Resp:	495105
Ion Ratio		Lower	Upper
276	100		
138	15.9	12.9	19.3
277	24.5	19.4	29.0

Manual Integrations
APPROVED

mohammad
8/19/2020 2:16:38 PM

