

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
 Data File : BG046264.D
 Acq On : 14 Aug 2020 1:45
 Operator : CG/JU
 Sample : L3629-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM56

Manual Integrations
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Quant Time: Aug 14 12:56:17 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	7.95	152	118214	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	465648	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	290153	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	625766	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	607601	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	680980	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.37	165	140325	17.50	ng/ul	0.00
7) Acenaphthylene-d8	14.27	160	513714	19.24	ng/ul	0.00
10) Fluorene-d10	15.57	176	374561	18.31	ng/ul	0.00
15) Anthracene-d10	17.42	188	536285	18.49	ng/ul	0.00
19) Pyrene-d10	19.70	212	589083	18.84	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	660409	17.77	ng/ul	0.02
Target Compounds						
					Qvalue	
4) Naphthalene	10.80	128	29322	1.211	ng/ul	97
8) Acenaphthylene	14.30	152	111372	4.102	ng/ul	99
9) Acenaphthene	14.64	153	23439	1.209	ng/ul	96
11) Fluorene	15.62	166	52955	2.336	ng/ul	99
14) Phenanthrene	17.36	178	1171878	34.041	ng/ul	97
16) Anthracene	17.45	178	214939	6.188	ng/ul	99
17) Fluoranthene	19.37	202	2021443m	52.660	ng/ul	
20) Pyrene	19.73	202	1736353	43.536	ng/ul	97
21) Benzo(a)anthracene	21.55	228	1262759	31.942	ng/ul	93
22) Chrysene	21.61	228	1252030	32.762	ng/ul	96
24) Benzo(b)fluoranthene	23.70	252	1658379	36.827	ng/ul	98
25) Benzo(k)fluoranthene	23.76	252	613167m	13.726	ng/ul	
27) Benzo(a)pyrene	24.53	252	1093149	26.441	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.20	276	848718	16.395	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	242502	5.778	ng/ul	97
30) Benzo(g,h,i)perylene	29.29	276	717248	16.556	ng/ul	99

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

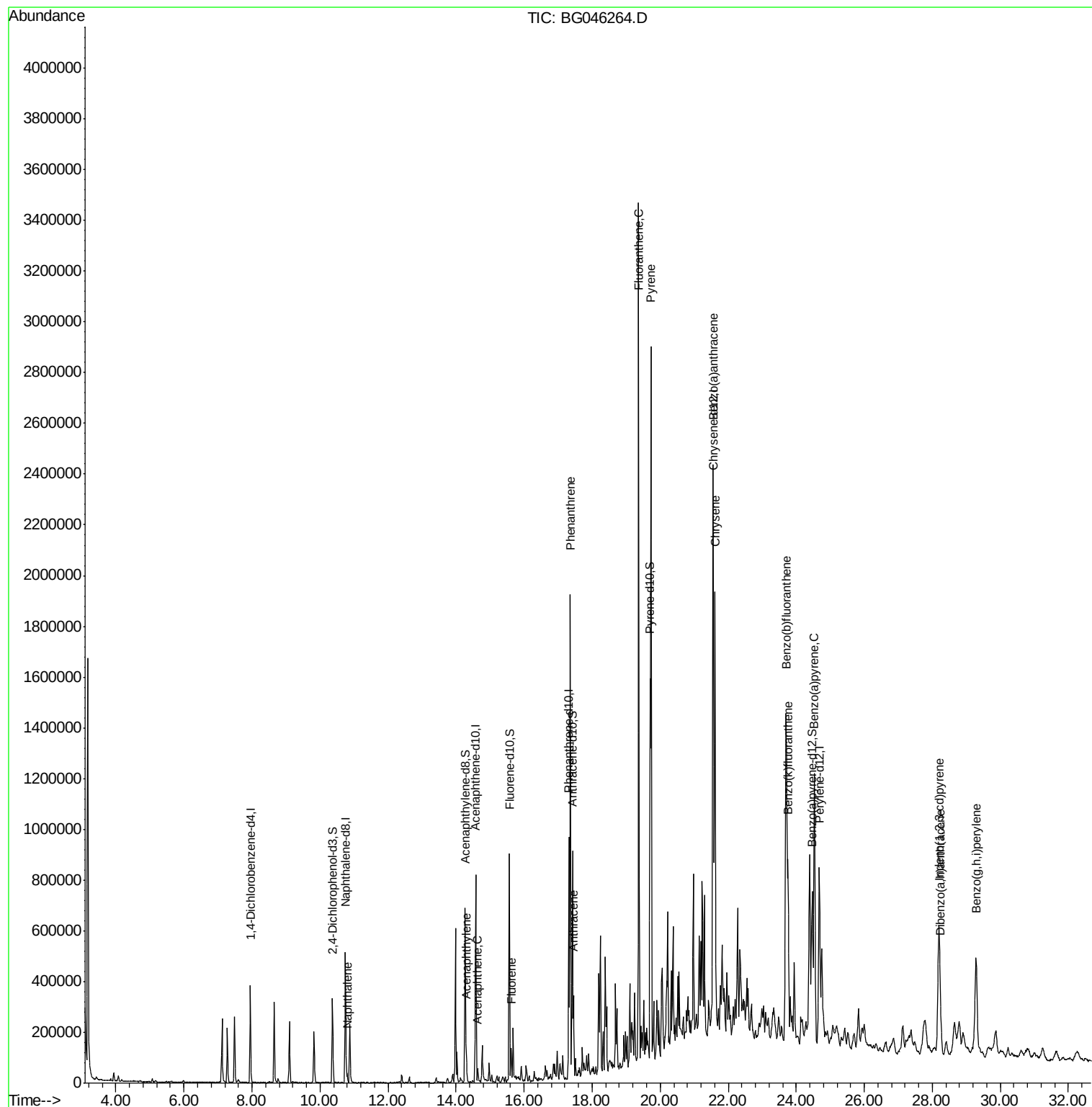
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046264.D
Acq On : 14 Aug 2020 1:45
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Misc :
ALS Vial : 18 Sample Multiplier: 1

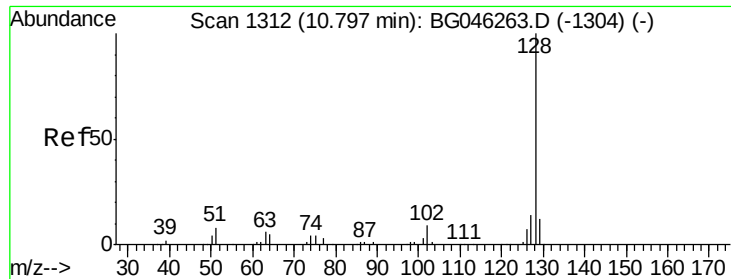
Instrument :
BNA_G
ClientSampleId :
BFM56

Quant Time: Aug 14 12:56:17 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
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#4

Naphthalene

Concen: 1.211 ng/ul

RT: 10.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BG046264.D

Acq: 14 Aug 2020 1:45

Instrument :

BNA_G

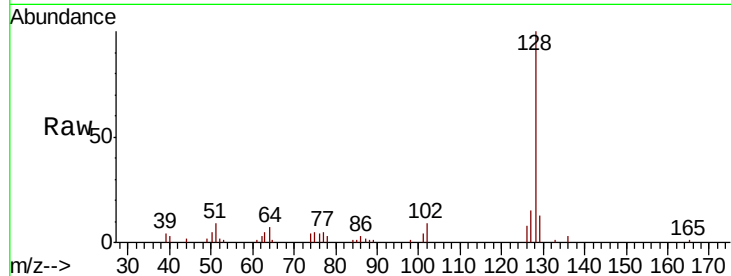
ClientSampled :

BFM56

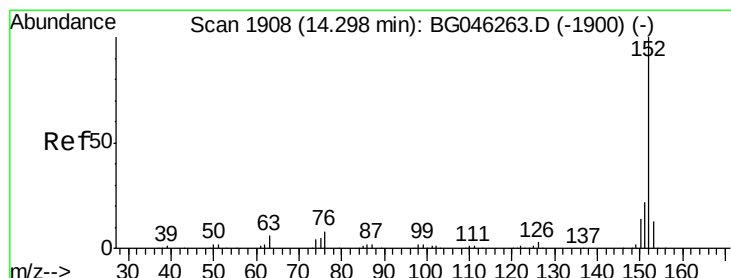
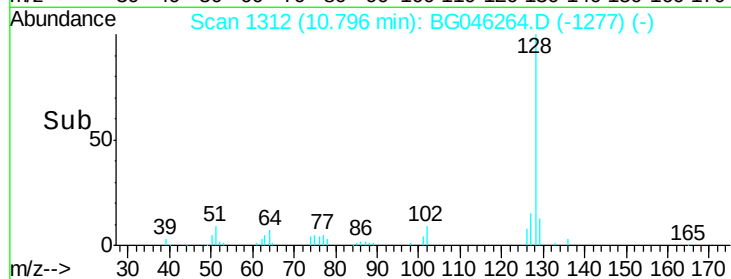
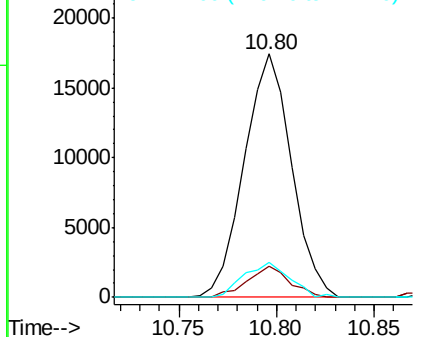
Tot Ion:128	Resp:	29322
Ion Ratio	Lower	Upper
128 100		
129 12.9	9.0	13.6
127 14.5	10.9	16.3

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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



#8

Acenaphthylene

Concen: 4.102 ng/ul

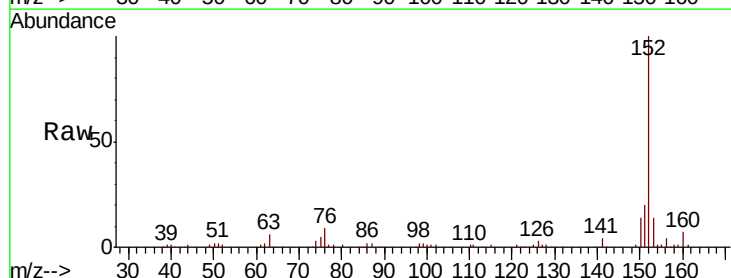
RT: 14.30 min Scan# 1908

Delta R.T. 0.00 min

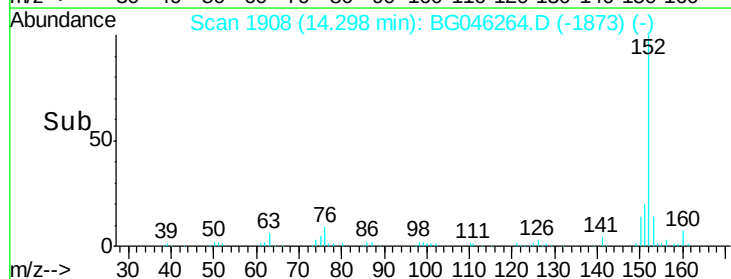
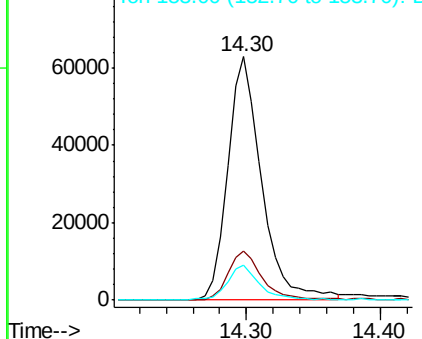
Lab File: BG046264.D

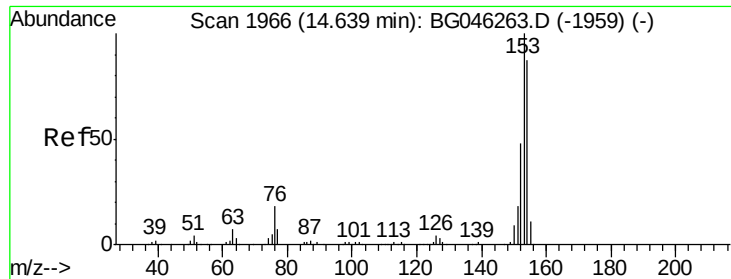
Acq: 14 Aug 2020 1:45

Tgt Ion:152	Resp:	111372
Ion Ratio	Lower	Upper
152 100		
151 20.0	16.5	24.7
153 14.1	11.0	16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 1.209 ng/ul

RT: 14.64 min Scan# 1966

Delta R.T. -0.00 min

Lab File: BG046264.D

Acq: 14 Aug 2020 1:45

Instrument :

BNA_G

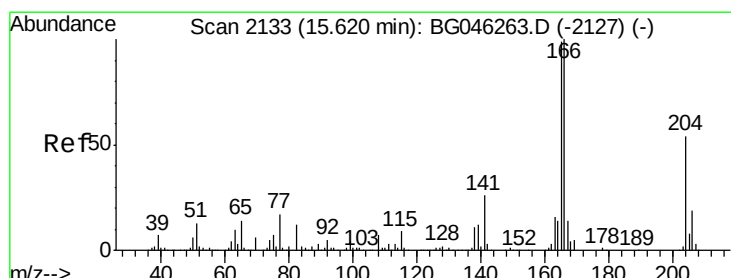
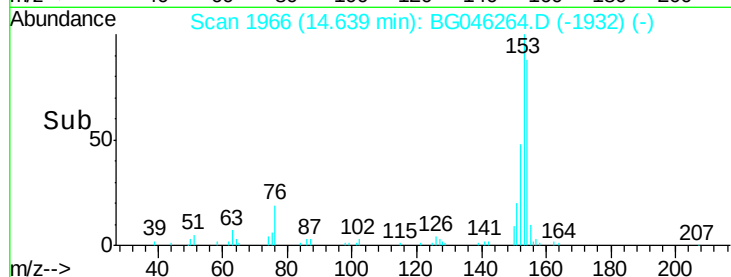
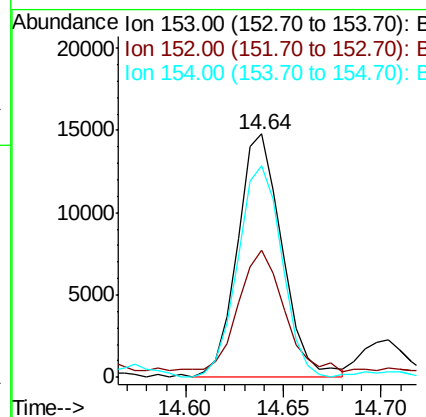
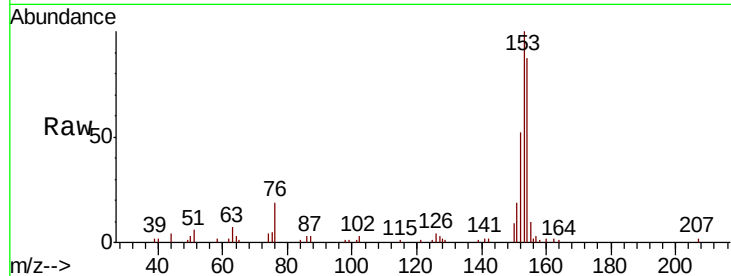
ClientSampleId :

BFM56

Tot Ion:153	Resp:	23439
Ion Ratio	Lower	Upper
153	100	
152	52.2	37.2 55.8
154	86.7	67.8 101.6

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#11

Fluorene

Concen: 2.336 ng/ul

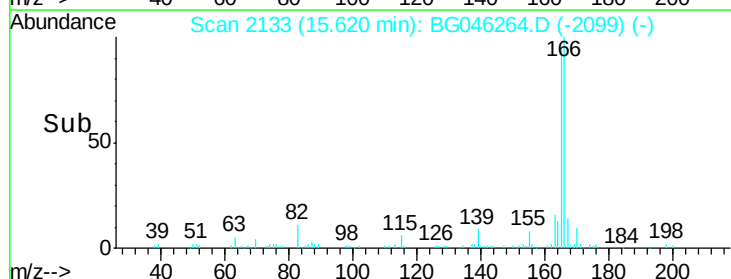
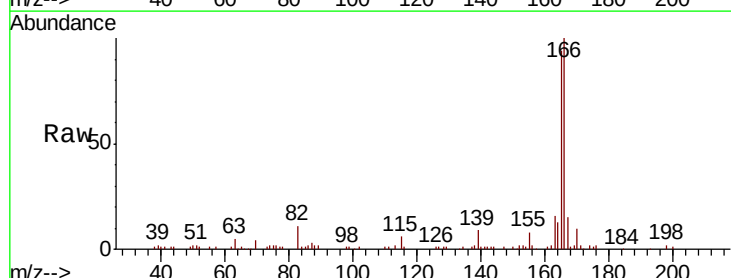
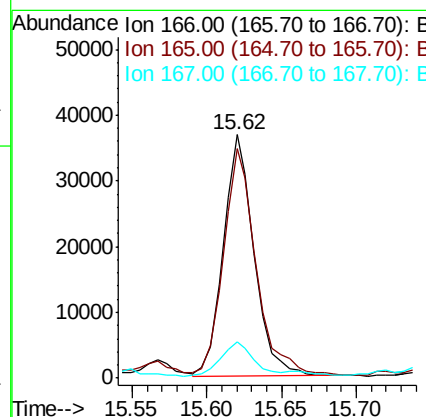
RT: 15.62 min Scan# 2133

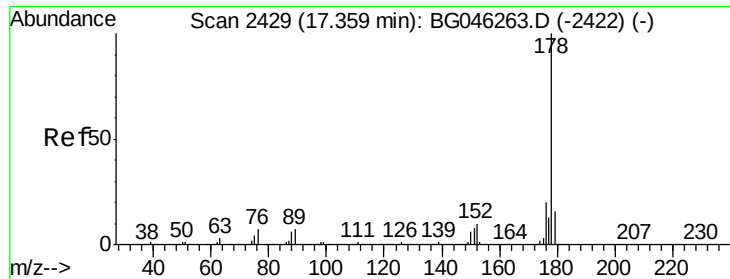
Delta R.T. -0.00 min

Lab File: BG046264.D

Acq: 14 Aug 2020 1:45

Tgt Ion:166	Resp:	52955
Ion Ratio	Lower	Upper
166	100	
165	94.2	75.9 113.9
167	14.7	10.7 16.1





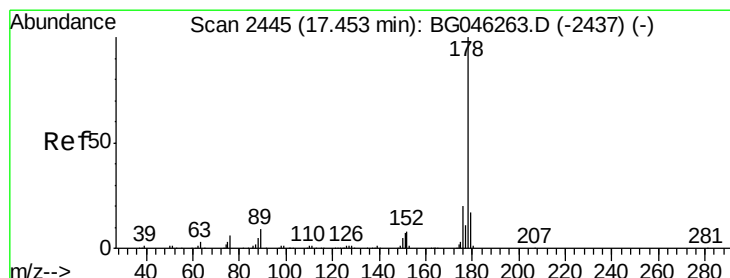
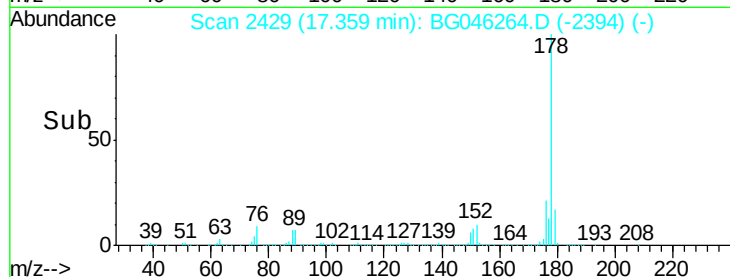
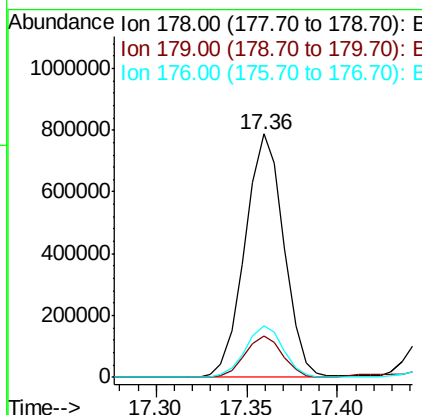
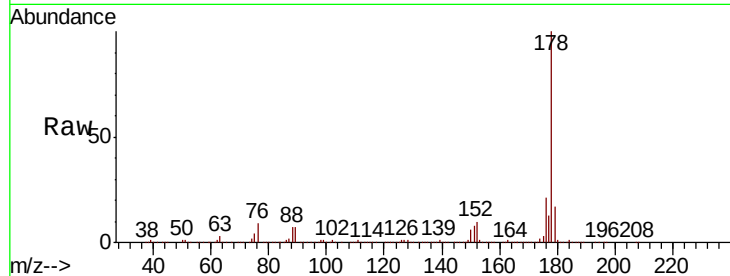
#14
Phenanthrene
Concen: 34.041 ng/ul
RT: 17.36 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Instrument :
BNA_G
ClientSampled :
BFM56

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.0	12.8	19.2
176	21.2	15.8	23.8

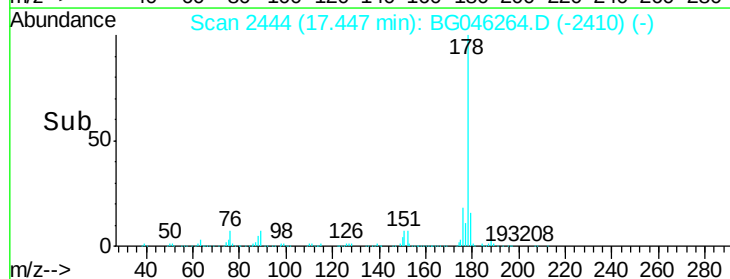
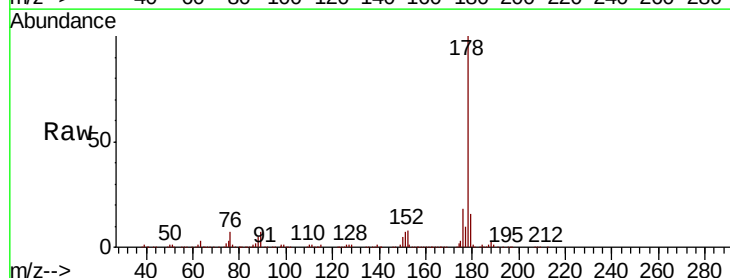
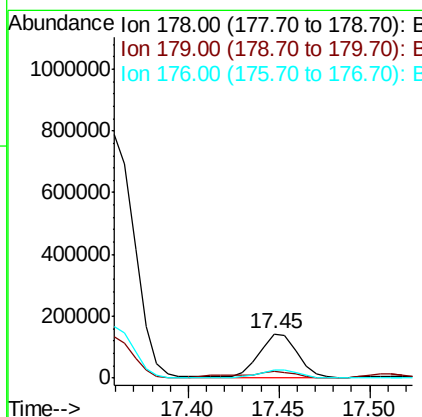
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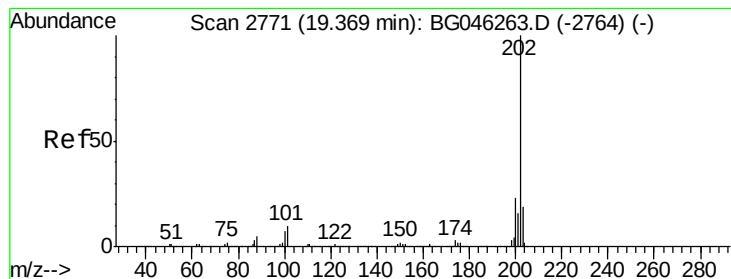
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#16
Anthracene
Concen: 6.188 ng/ul
RT: 17.45 min Scan# 2444
Delta R.T. -0.00 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.2	19.8
176	18.4	15.2	22.8





#17

Fluoranthene

Concen: 52.660 ng/ul m

RT: 19.37 min Scan# 2771

Delta R.T. 0.00 min

Lab File: BG046264.D

Acq: 14 Aug 2020 1:45

Instrument :

BNA_G

ClientSampleId :

BFM56

Tot Ion:202 Resp: 2021443

Ion Ratio Lower Upper

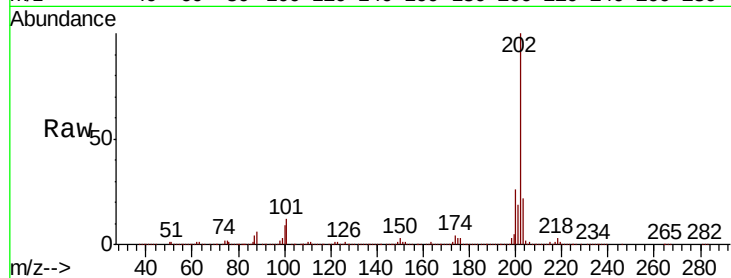
202 100

101 11.7 7.8 11.6#

100 8.9 5.9 8.9#

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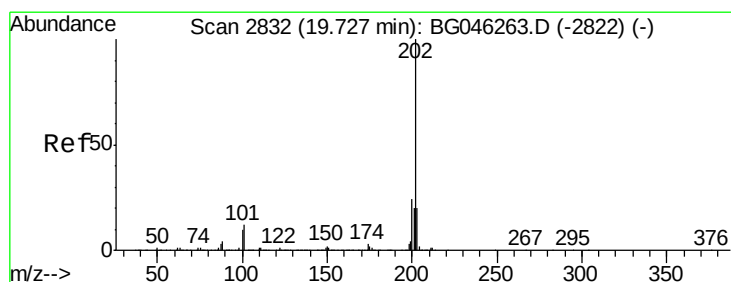
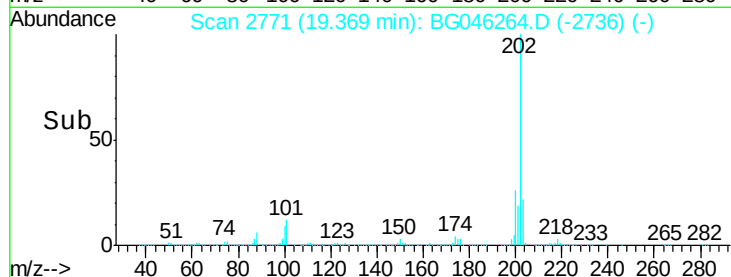
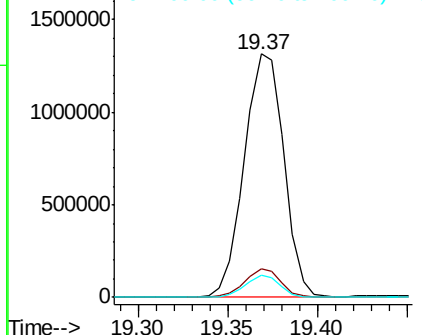
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#20

Pyrene

Concen: 43.536 ng/ul

RT: 19.73 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BG046264.D

Acq: 14 Aug 2020 1:45

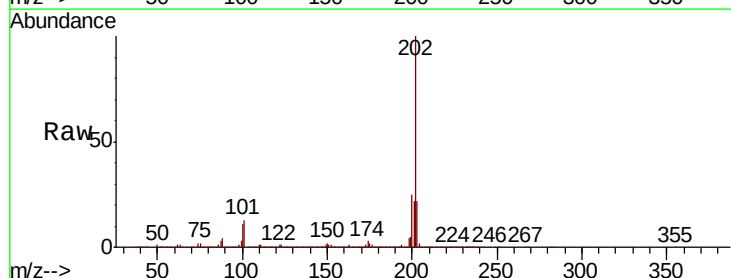
Tgt Ion:202 Resp: 1736353

Ion Ratio Lower Upper

202 100

101 12.9 8.9 13.3

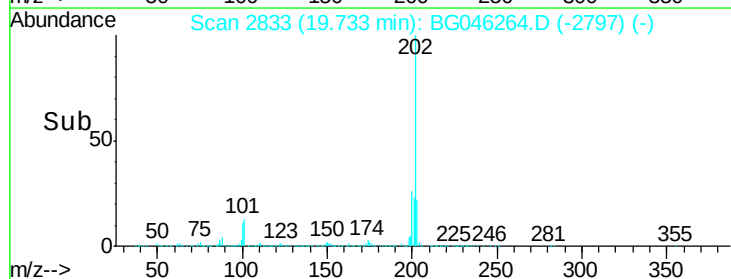
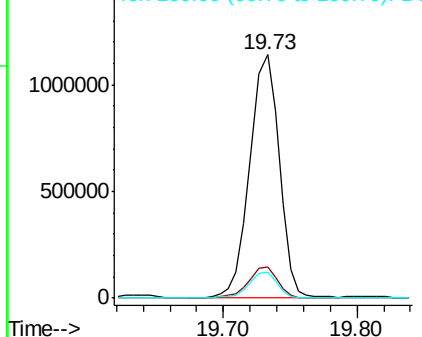
100 10.5 7.9 11.9

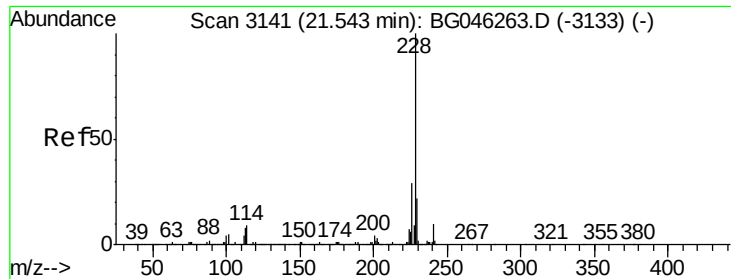


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





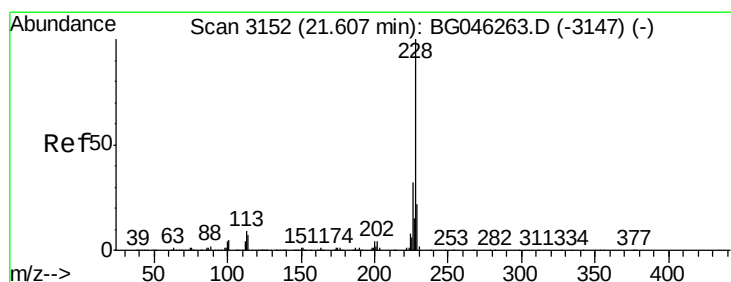
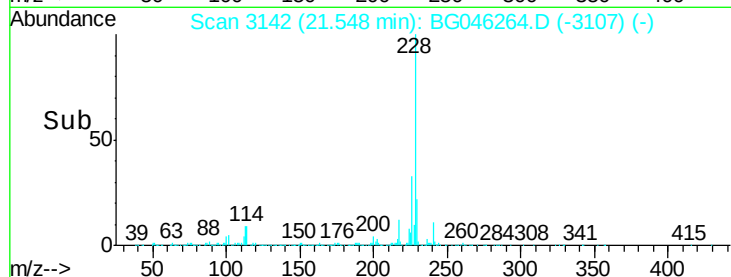
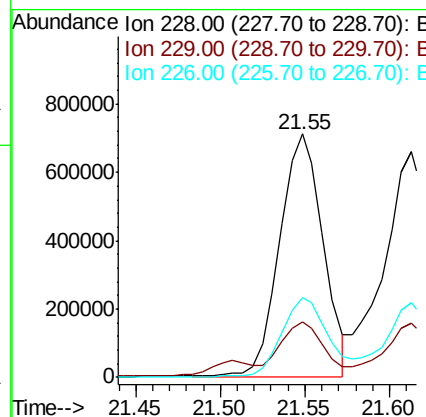
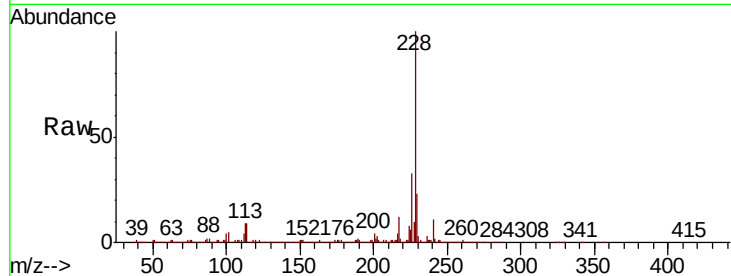
#21
Benzo(a)anthracene
Concen: 31.942 ng/ul
RT: 21.55 min Scan# 3142
Delta R.T. 0.00 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Instrument :
BNA_G
ClientSampleId :
BFM56

Tot Ion	Ratio	Lower	Upper
228	100		
229	22.7	16.6	25.0
226	32.9	22.6	33.8

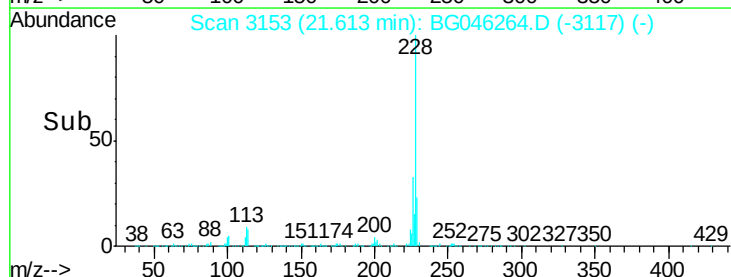
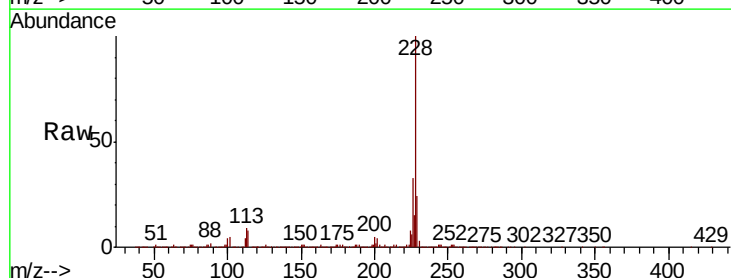
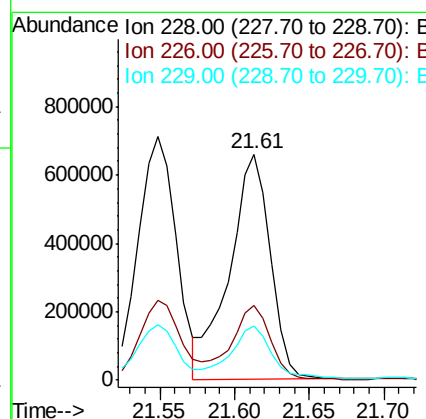
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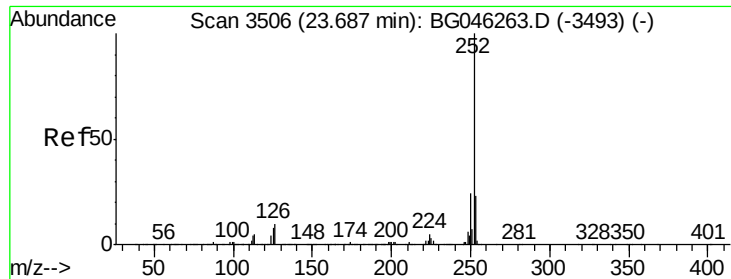
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#22
Chrysene
Concen: 32.762 ng/ul
RT: 21.61 min Scan# 3153
Delta R.T. 0.01 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	25.5	38.3
229	23.8	17.0	25.4





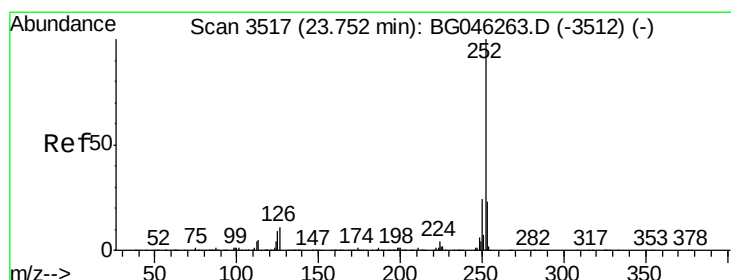
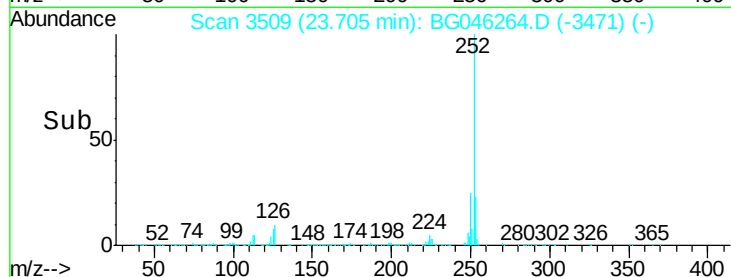
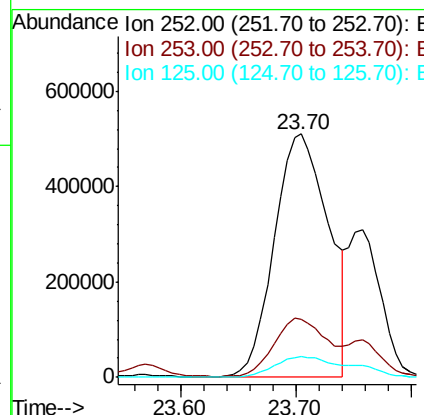
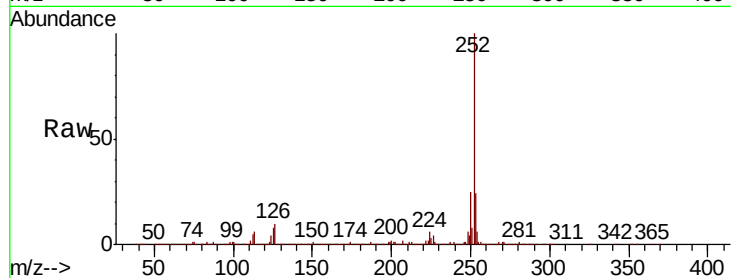
#24
Benzo(b)fluoranthene
Concen: 36.827 ng/ul
RT: 23.70 min Scan# 3509
Delta R.T. 0.02 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Instrument :
BNA_G
ClientSampleId :
BFM56

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	8.4	6.4	9.6

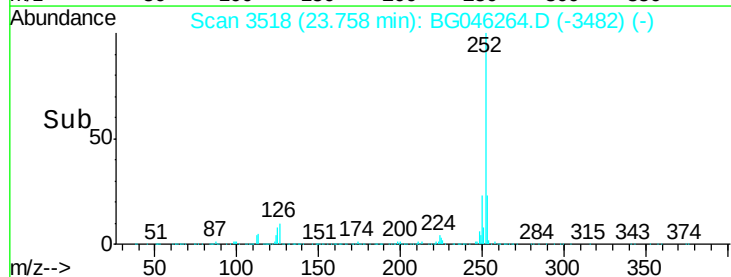
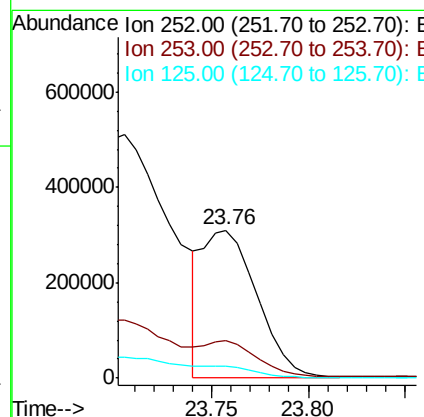
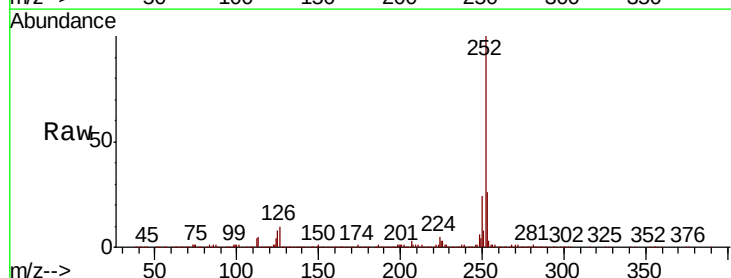
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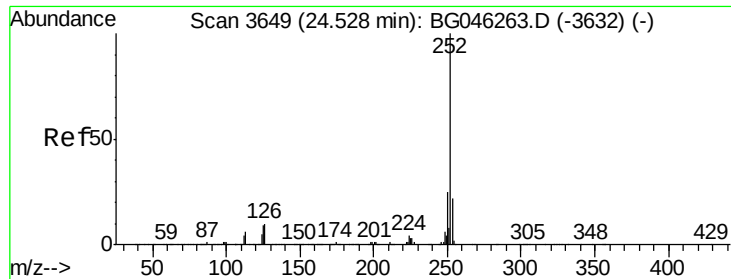
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#25
Benzo(k)fluoranthene
Concen: 13.726 ng/ul m
RT: 23.76 min Scan# 3518
Delta R.T. 0.01 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.5	27.7
125	8.1	6.2	9.2





#27

Benzo(a)pyrene

Concen: 26.441 ng/ul

RT: 24.53 min Scan# 3650

Delta R.T. 0.01 min

Lab File: BG046264.D

Acq: 14 Aug 2020 1:45

Instrument :

BNA_G

ClientSampled :

BFM56

Tot Ion:252 Resp: 1093149

Ion Ratio Lower Upper

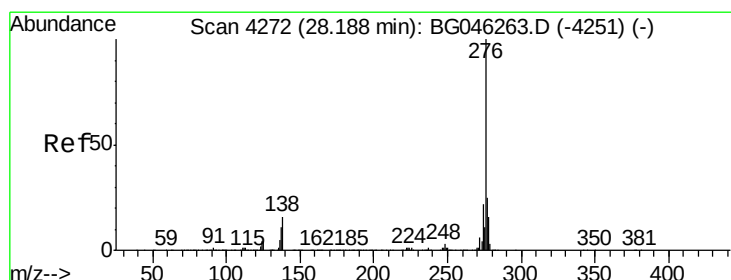
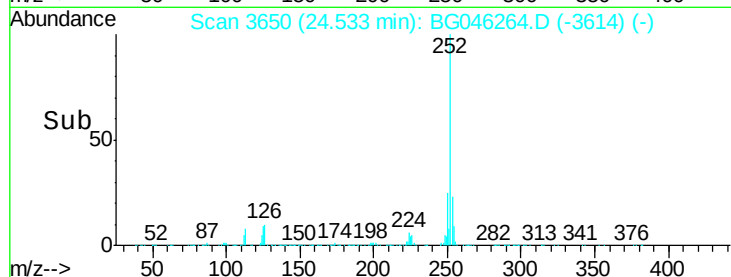
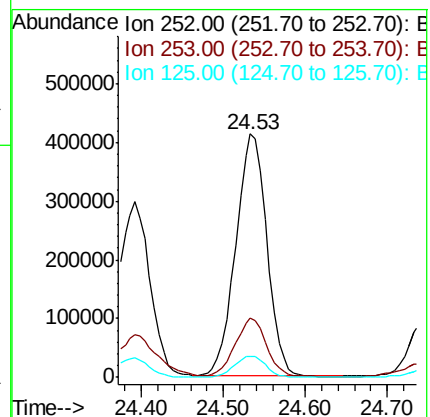
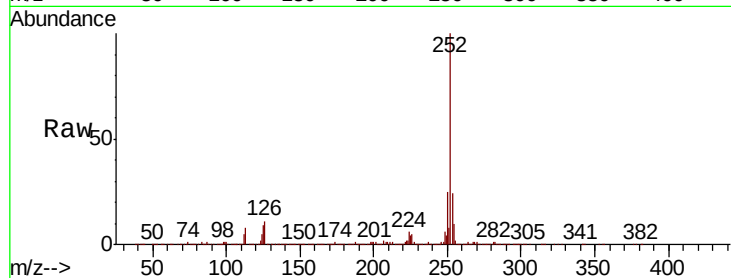
252 100

253 24.3 17.8 26.8

125 8.7 7.1 10.7

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#28

Indeno(1,2,3-cd)pyrene

Concen: 16.395 ng/ul

RT: 28.20 min Scan# 4274

Delta R.T. 0.03 min

Lab File: BG046264.D

Acq: 14 Aug 2020 1:45

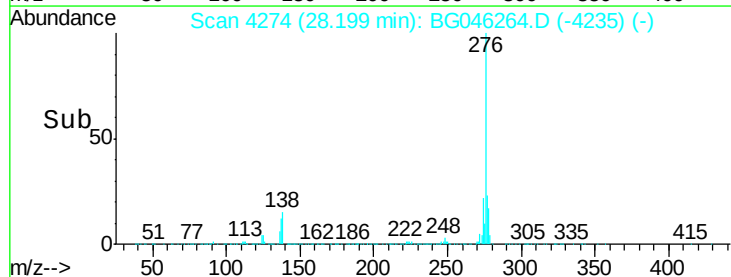
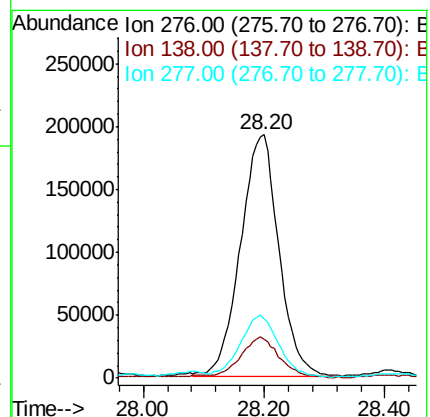
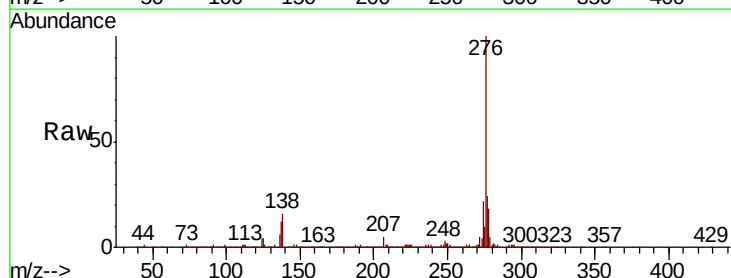
Tgt Ion:276 Resp: 848718

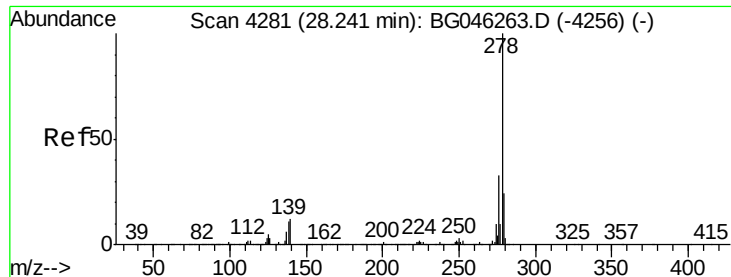
Ion Ratio Lower Upper

276 100

138 15.8 13.2 19.8

277 24.3 19.9 29.9





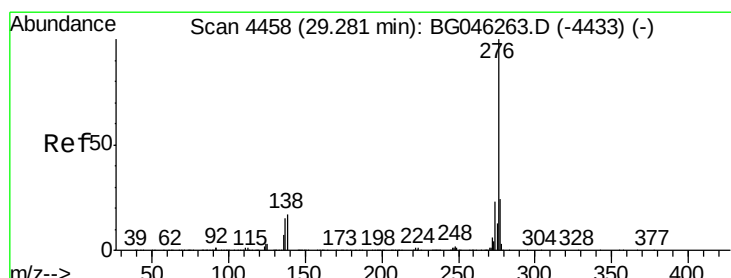
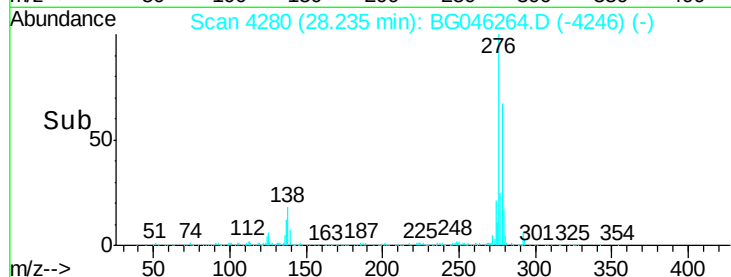
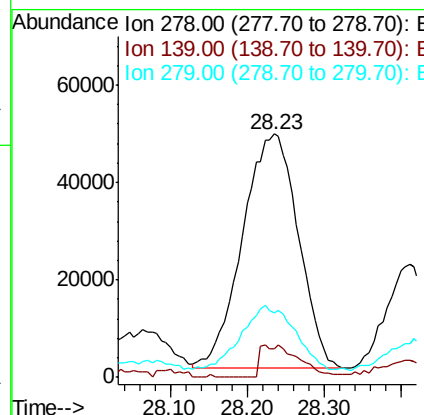
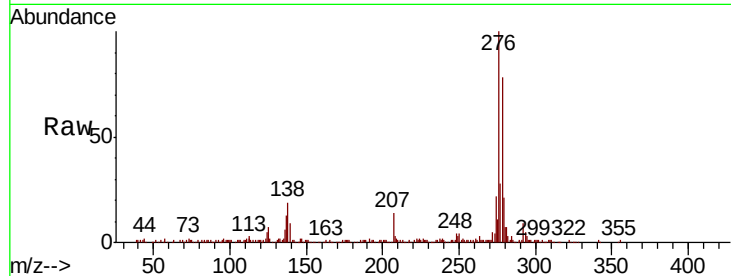
#29
Dibenzo(a,h)anthracene
Concen: 5.778 ng/ul
RT: 28.23 min Scan# 4280
Delta R.T. -0.00 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Instrument :
BNA_G
ClientSampleId :
BFM56

Tot Ion	Ratio	Lower	Upper
278	100		
139	11.5	9.8	14.8
279	26.6	19.7	29.5

Manual Integrations
APPROVED

Sohil
8/14/2020 2:52:37 PM



#30
Benzo(g,h,i)perylene
Concen: 16.556 ng/ul
RT: 29.29 min Scan# 4459
Delta R.T. 0.02 min
Lab File: BG046264.D
Acq: 14 Aug 2020 1:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.9	19.3
277	25.2	19.4	29.0

