

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
 Data File : BG046265.D
 Acq On : 14 Aug 2020 2:26
 Operator : CG/JU
 Sample : L3629-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM57

Manual Integrations
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Quant Time: Aug 14 12:58:57 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	116266	20.00	ng/ul	0.00
2) Naphthalene-d8	10.75	136	450328	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.58	164	283118	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	607544	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	590773	20.00	ng/ul	0.00
23) Perylene-d12	24.68	264	634646	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	129963	16.76	ng/ul	0.00
7) Acenaphthylene-d8	14.27	160	471689	18.10	ng/ul	0.00
10) Fluorene-d10	15.56	176	354254	17.74	ng/ul	0.00
15) Anthracene-d10	17.41	188	517963	18.39	ng/ul	0.00
19) Pyrene-d10	19.70	212	557624	18.34	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.47	264	595908	17.21	ng/ul	0.01
Target Compounds						
					Qvalue	
4) Naphthalene	10.80	128	33073	1.412	ng/ul	97
8) Acenaphthylene	14.30	152	38194	1.442	ng/ul	98
9) Acenaphthene	14.64	153	25119	1.328	ng/ul	92
11) Fluorene	15.62	166	44474	2.011	ng/ul	97
14) Phenanthrene	17.36	178	660895	19.774	ng/ul	100
16) Anthracene	17.45	178	158431	4.698	ng/ul	99
17) Fluoranthene	19.37	202	1149791	30.851	ng/ul	99
20) Pyrene	19.73	202	1031718	26.605	ng/ul	99
21) Benzo(a)anthracene	21.55	228	823050	21.413	ng/ul	96
22) Chrysene	21.61	228	766950	20.640	ng/ul	97
24) Benzo(b)fluoranthene	23.70	252	1244354	29.650	ng/ul	96
25) Benzo(k)fluoranthene	23.75	252	482182m	11.582	ng/ul	
27) Benzo(a)pyrene	24.53	252	931546	24.177	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.19	276	772611	16.015	ng/ul	100
29) Dibenzo(a,h)anthracene	28.23	278	231350	5.914	ng/ul#	91
30) Benzo(g,h,i)perylene	29.28	276	642269	15.907	ng/ul	99

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

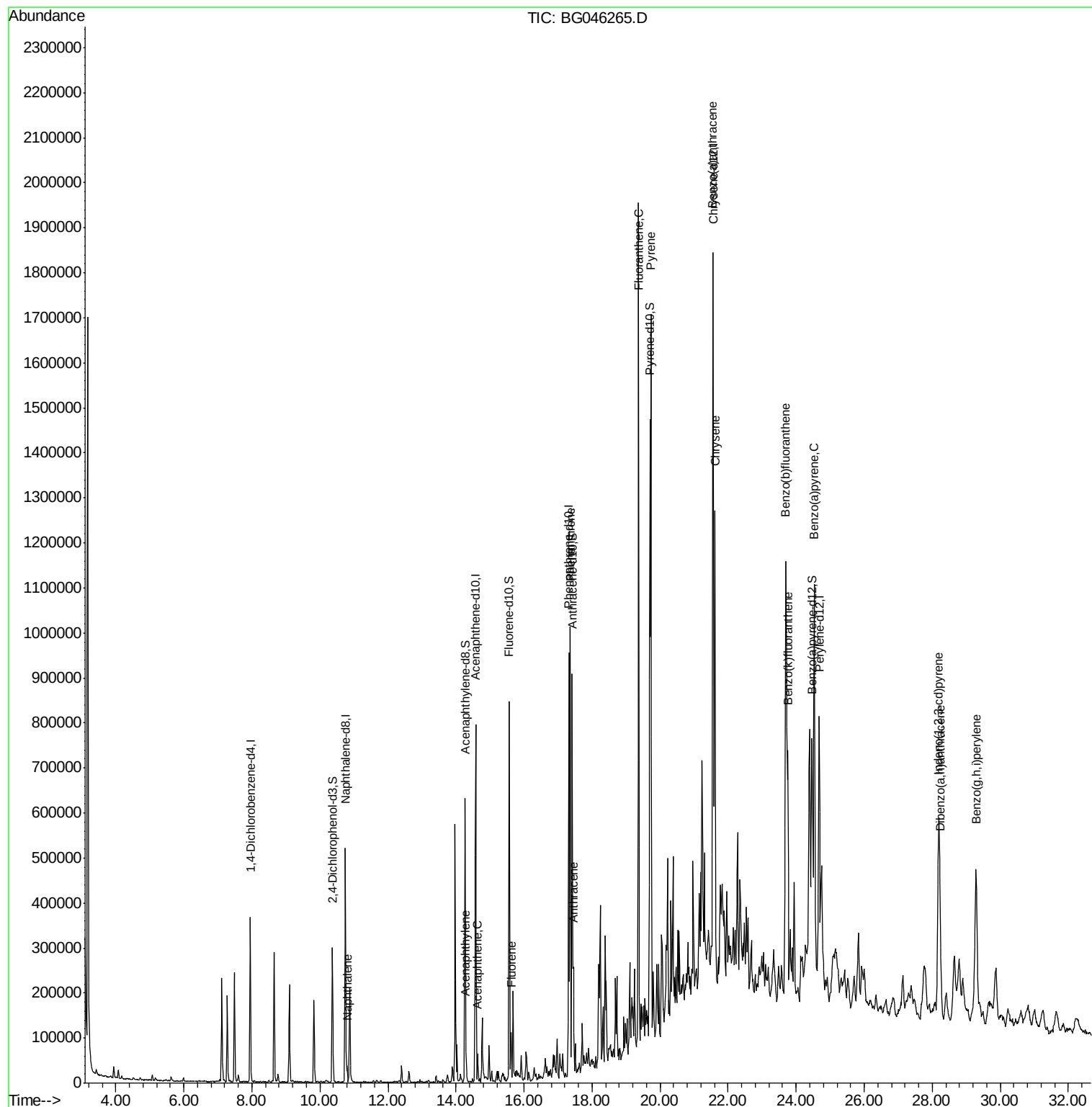
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
Data File : BG046265.D
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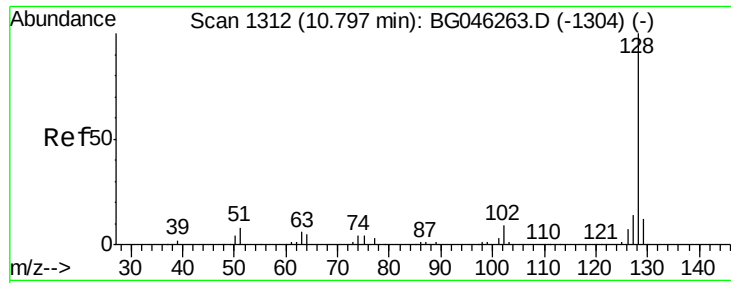
Instrument :
BNA_G
ClientSampleId :
BFM57

Quant Time: Aug 14 12:58:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
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#4

Naphthalene

Concen: 1.412 ng/ul

RT: 10.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Instrument :

BNA_G

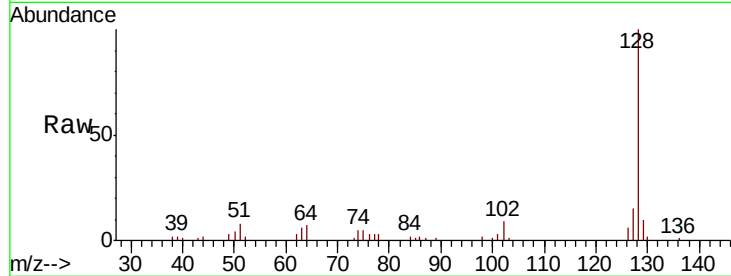
ClientSampleId :

BFM57

Tot Ion:	128	Resp:	33073
Ion Ratio	Lower	Upper	
128	100		
129	10.0	9.0	13.6
127	14.5	10.9	16.3

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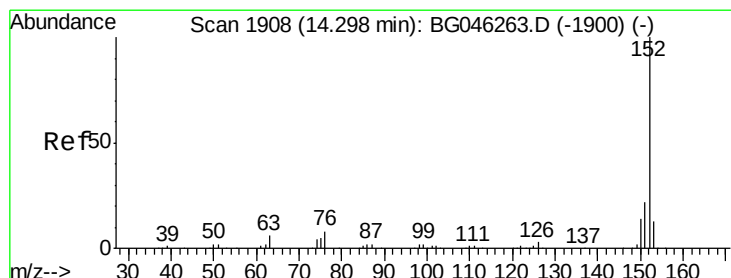
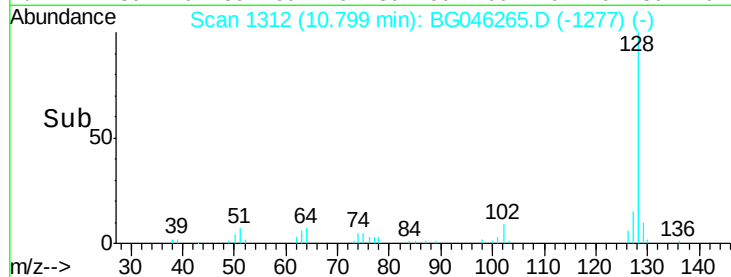
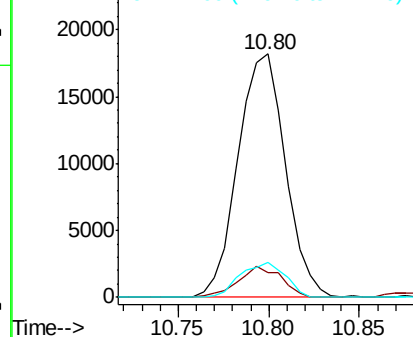


Abundance

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: 1.442 ng/ul

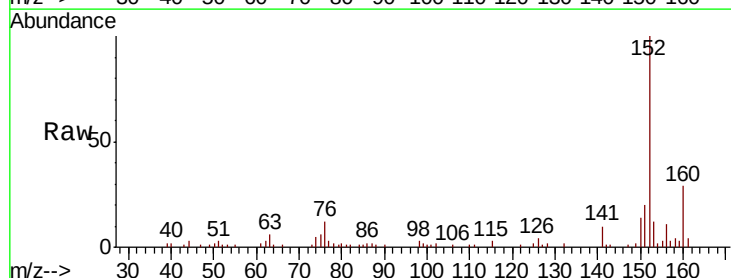
RT: 14.30 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Tgt Ion:	152	Resp:	38194
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.5	24.7
153	12.4	11.0	16.6

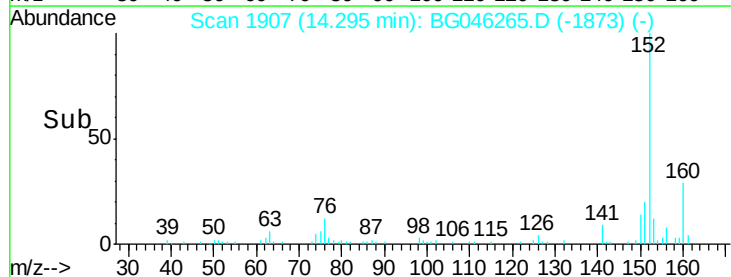
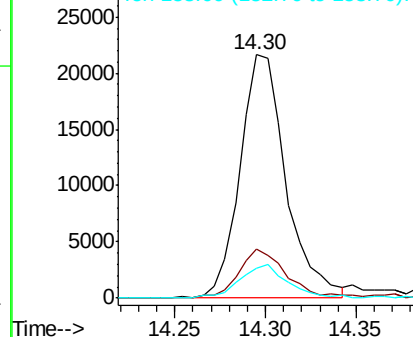


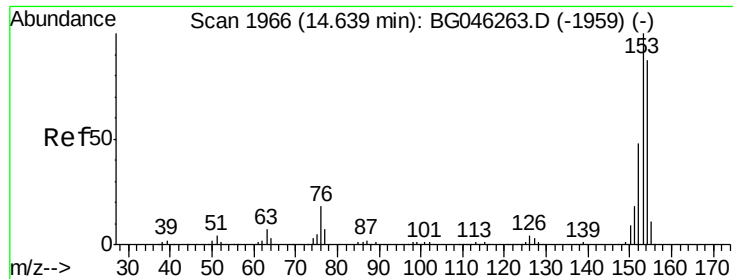
Abundance

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: 1.328 ng/ul

RT: 14.64 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Instrument :

BNA_G

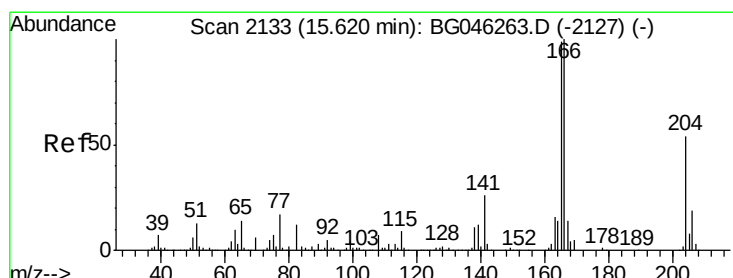
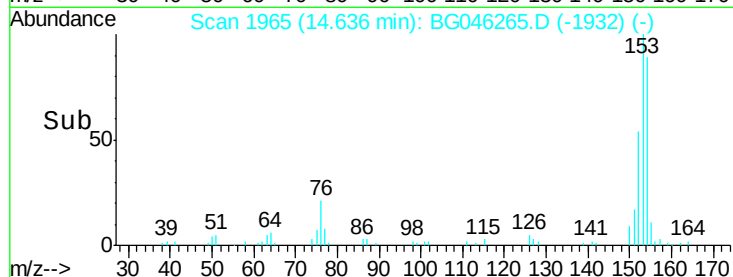
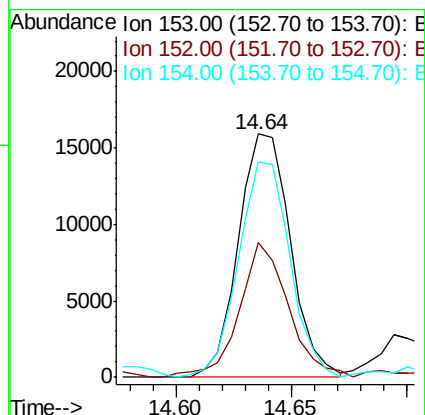
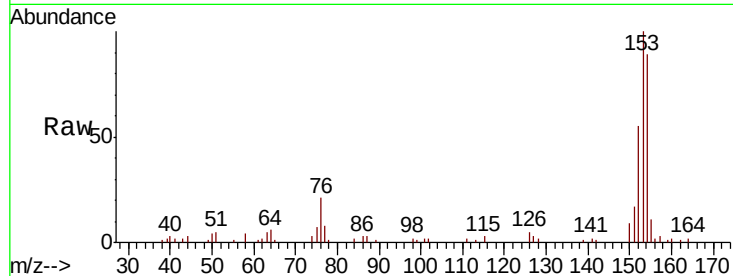
ClientSampleId :

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Tot Ion:	153	Resp:	25119
Ion Ratio	Lower	Upper	
153	100		
152	55.5	37.2	55.8
154	88.6	67.8	101.6

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#11

Fluorene

Concen: 2.011 ng/ul

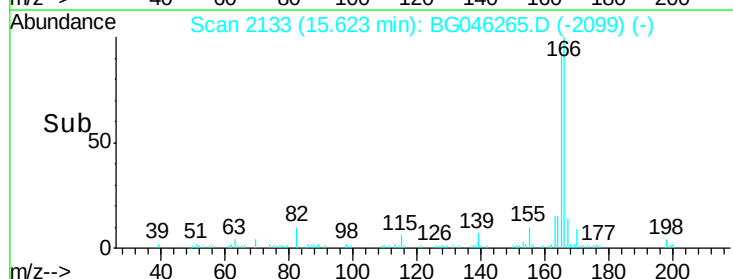
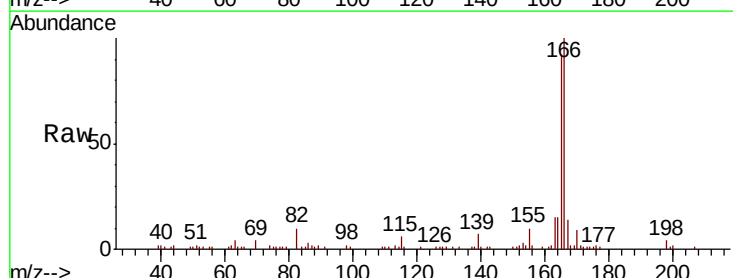
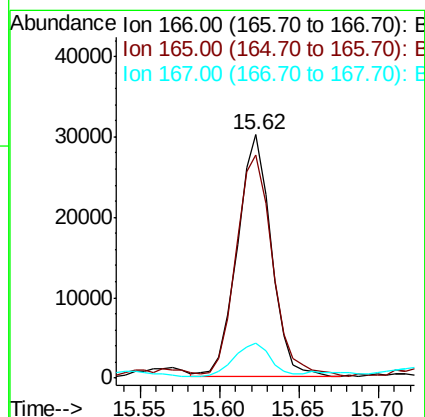
RT: 15.62 min Scan# 2133

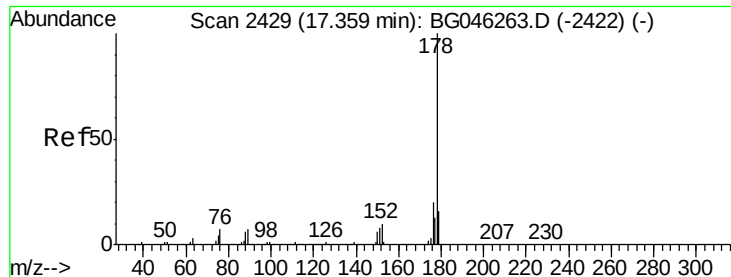
Delta R.T. 0.00 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Tgt Ion:	166	Resp:	44474
Ion Ratio	Lower	Upper	
166	100		
165	91.6	75.9	113.9
167	14.4	10.7	16.1





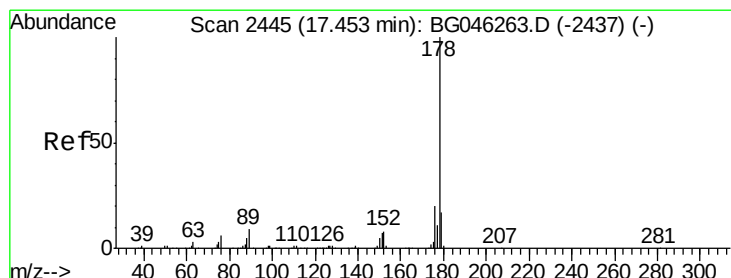
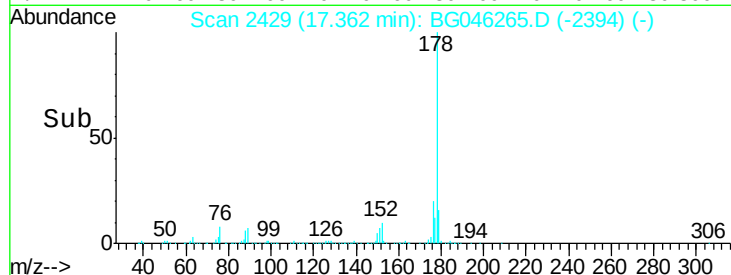
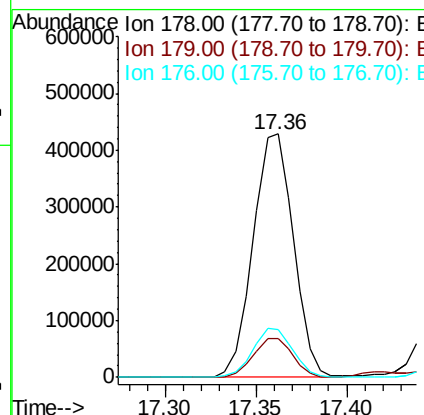
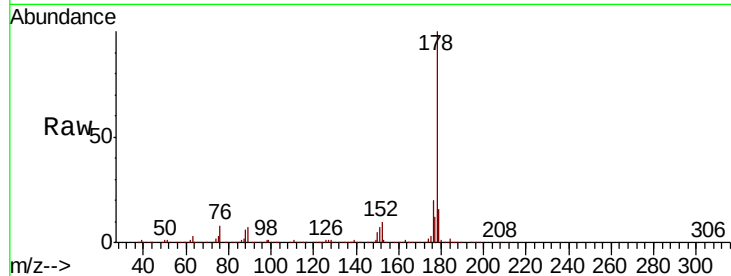
#14
Phenanthrene
Concen: 19.774 ng/ul
RT: 17.36 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BG046265.D
Acq: 14 Aug 2020 2:26

Instrument :
BNA_G
ClientSampled :
BFM57

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.8	19.2
176	19.9	15.8	23.8

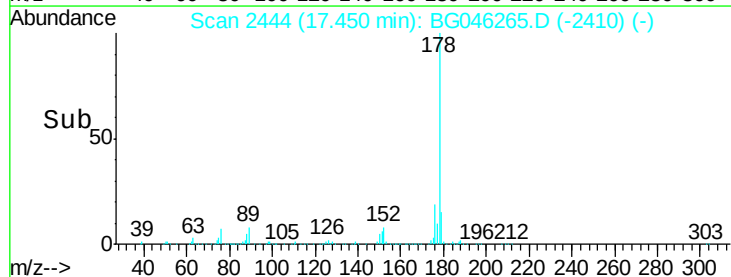
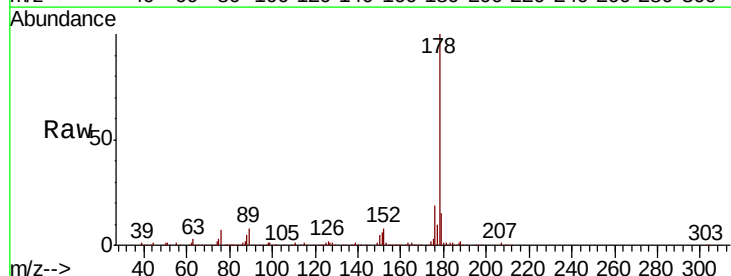
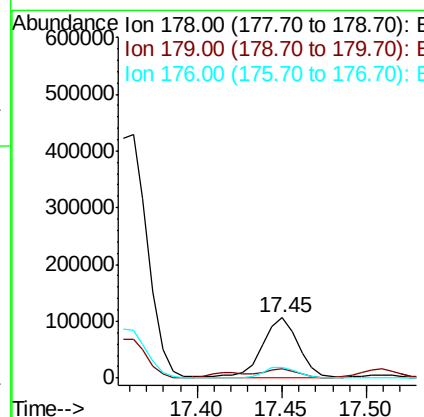
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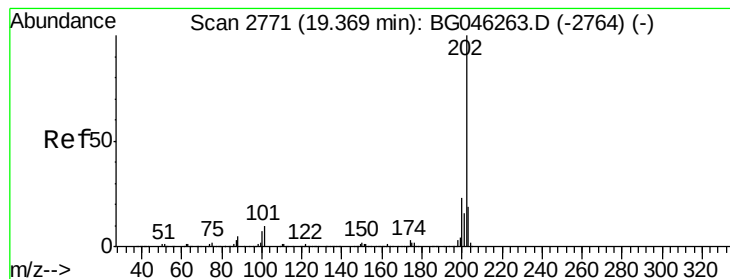
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#16
Anthracene
Concen: 4.698 ng/ul
RT: 17.45 min Scan# 2444
Delta R.T. 0.00 min
Lab File: BG046265.D
Acq: 14 Aug 2020 2:26

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	13.2	19.8
176	18.7	15.2	22.8





#17

Fluoranthene

Concen: 30.851 ng/ul

RT: 19.37 min Scan# 2770

Delta R.T. 0.00 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Instrument :

BNA_G

ClientSampleId :

BFM57

Tot Ion:202 Resp: 1149791

Ion Ratio Lower Upper

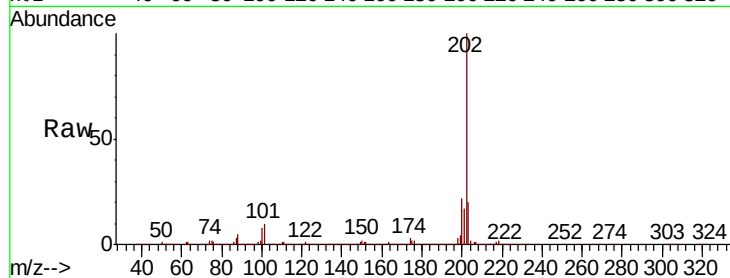
202 100

101 10.0 7.8 11.6

100 7.9 5.9 8.9

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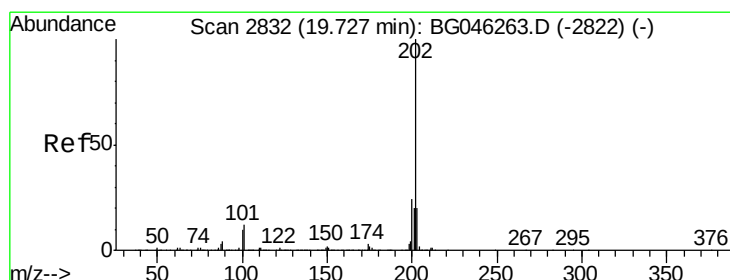
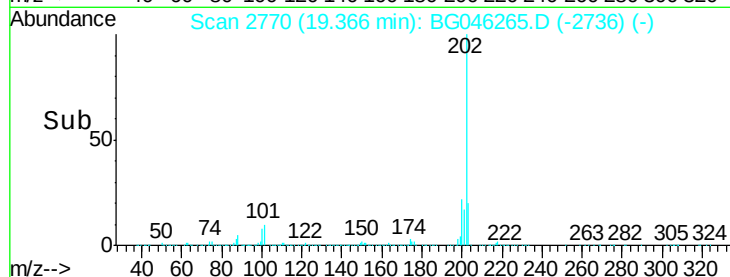


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time--> 19.30 19.35 19.40



#20

Pyrene

Concen: 26.605 ng/ul

RT: 19.73 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

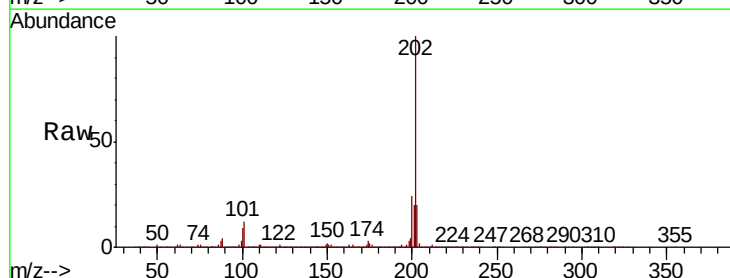
Tgt Ion:202 Resp: 1031718

Ion Ratio Lower Upper

202 100

101 11.6 8.9 13.3

100 9.3 7.9 11.9

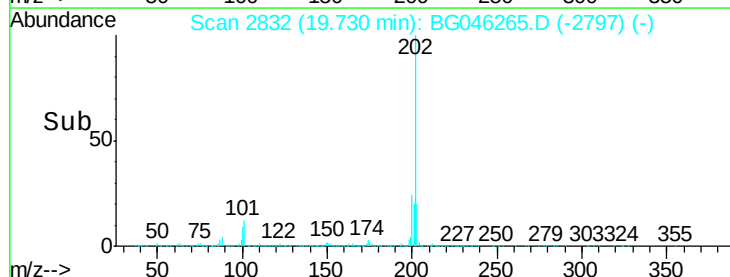


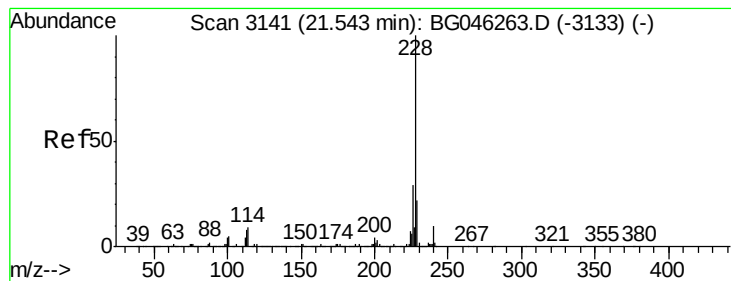
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time--> 19.70 19.80





#21

Benzo(a)anthracene

Concen: 21.413 ng/ul

RT: 21.55 min Scan# 3141

Delta R.T. 0.00 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Instrument :

BNA_G

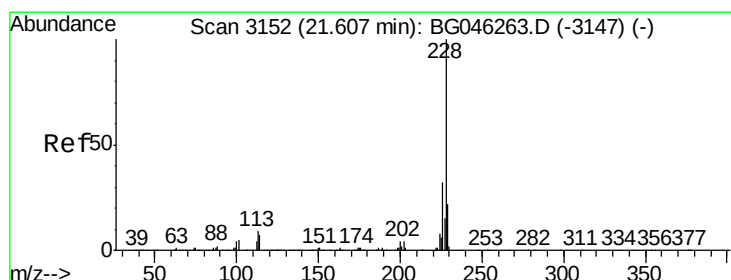
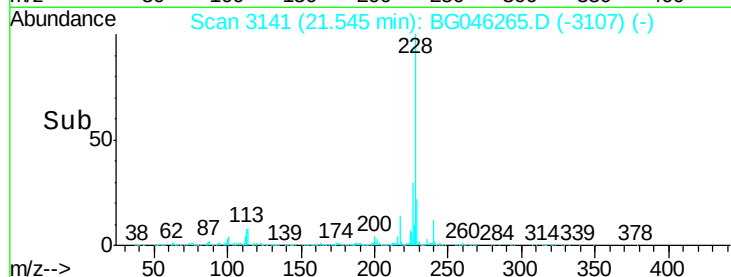
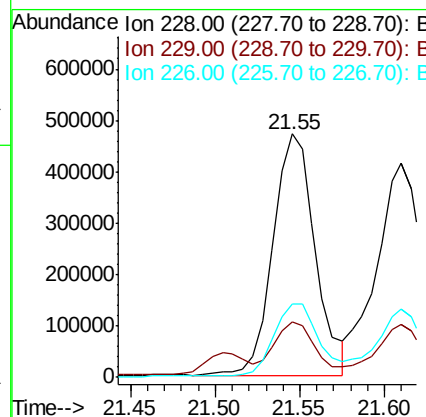
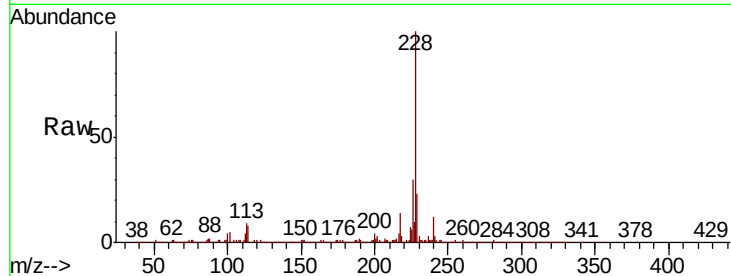
ClientSampleId :

BFM57

Tot Ion:	228	Resp:	823050
Ion Ratio	Lower	Upper	
228	100		
229	22.5	16.6	25.0
226	30.0	22.6	33.8

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#22

Chrysene

Concen: 20.640 ng/ul

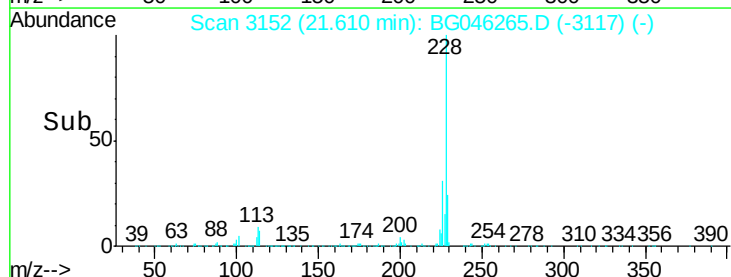
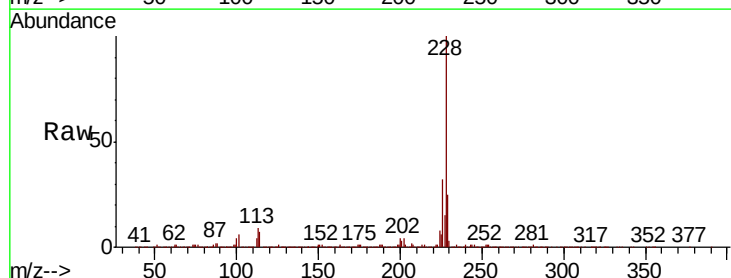
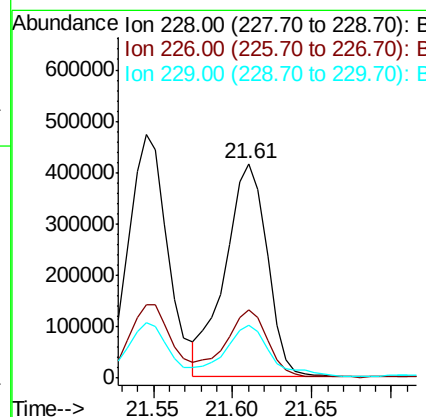
RT: 21.61 min Scan# 3152

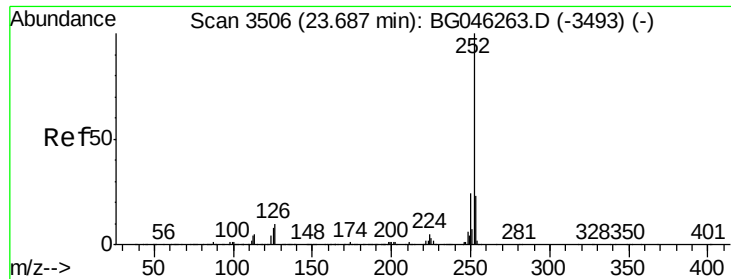
Delta R.T. 0.01 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Tgt Ion:	228	Resp:	766950
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.5	38.3
229	24.6	17.0	25.4





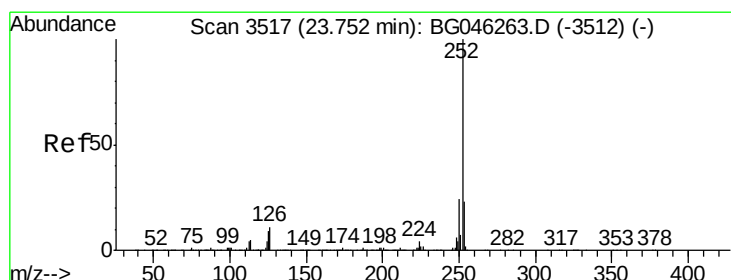
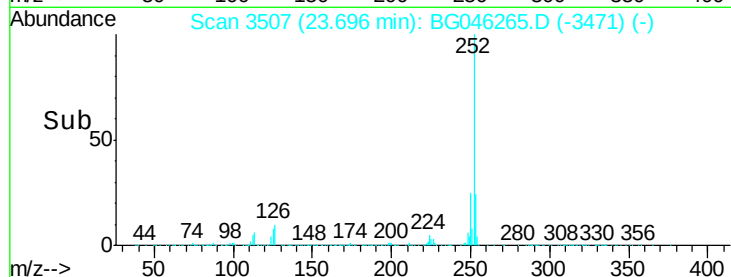
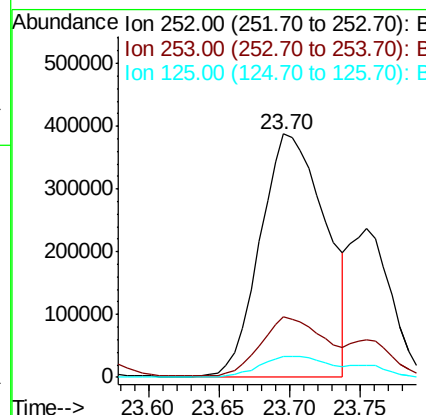
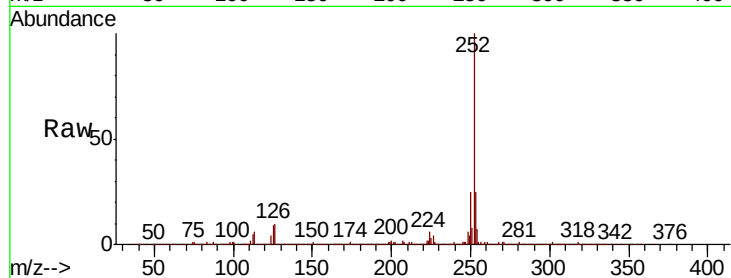
#24
Benzo(b)fluoranthene
Concen: 29.650 ng/ul
RT: 23.70 min Scan# 3507
Delta R.T. 0.01 min
Lab File: BG046265.D
Acq: 14 Aug 2020 2:26

Instrument :
BNA_G
ClientSampled :
BFM57

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	8.6	6.4	9.6

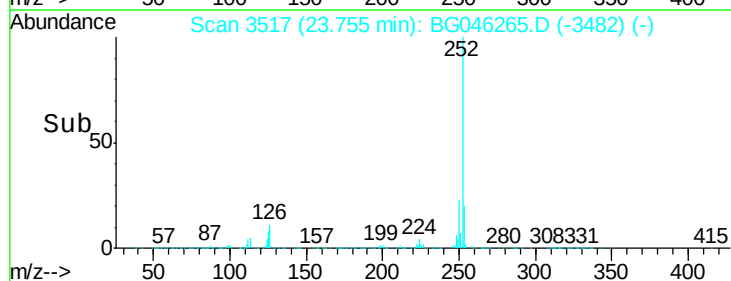
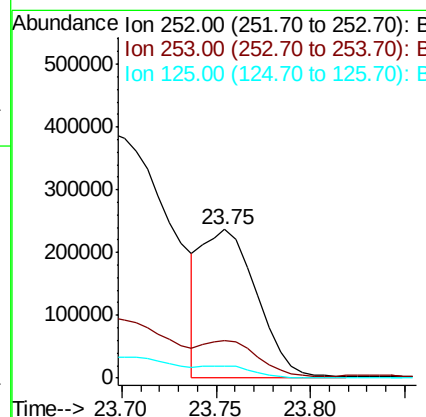
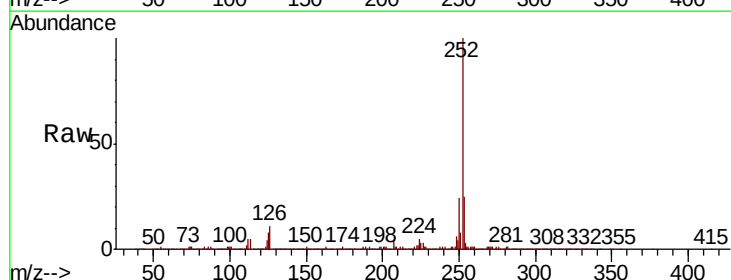
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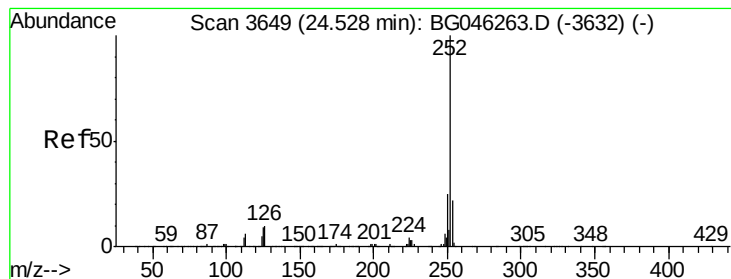
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#25
Benzo(k)fluoranthene
Concen: 11.582 ng/ul m
RT: 23.75 min Scan# 3517
Delta R.T. 0.01 min
Lab File: BG046265.D
Acq: 14 Aug 2020 2:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.5	27.7
125	7.7	6.2	9.2





#27

Benzo(a)pyrene

Concen: 24.177 ng/ul

RT: 24.53 min Scan# 3649

Delta R.T. 0.01 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Instrument :

BNA_G

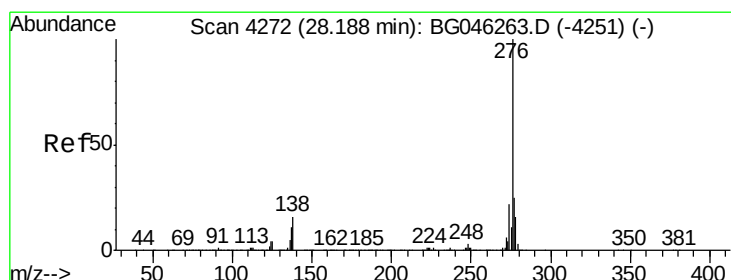
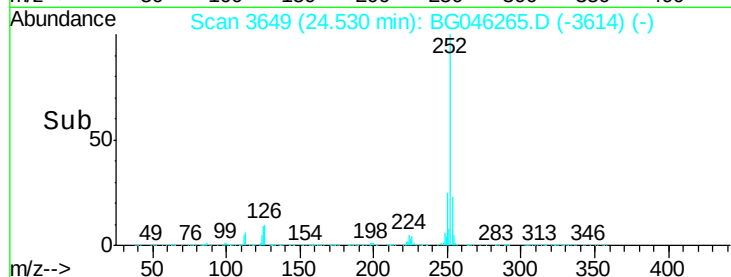
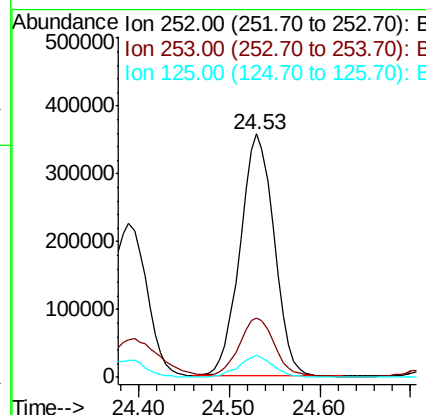
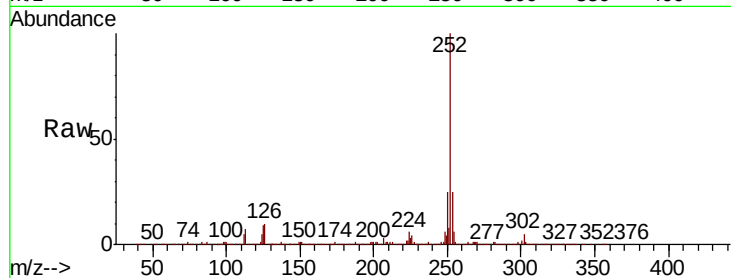
ClientSampled :

BFM57

Tot Ion:	252	Resp:	931546
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.8	26.8
125	9.0	7.1	10.7

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#28

Indeno(1,2,3-cd)pyrene

Concen: 16.015 ng/ul

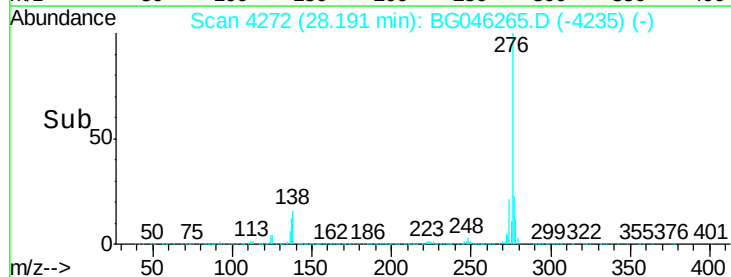
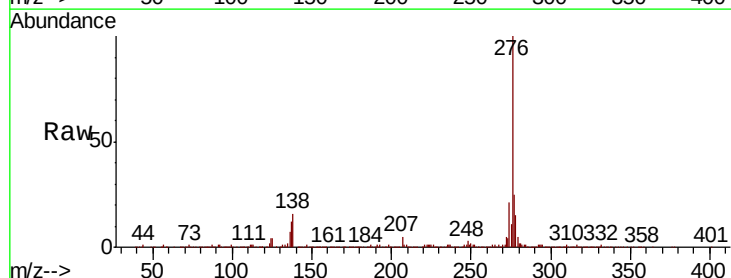
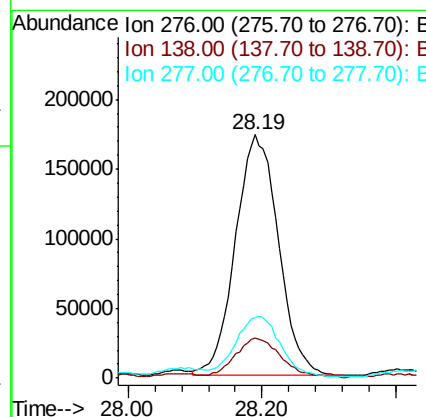
RT: 28.19 min Scan# 4272

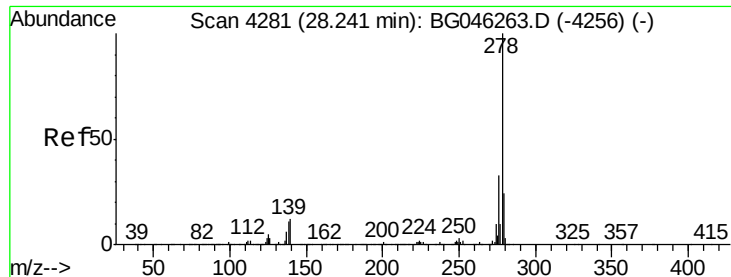
Delta R.T. 0.02 min

Lab File: BG046265.D

Acq: 14 Aug 2020 2:26

Tgt Ion:	276	Resp:	772611
Ion Ratio	Lower	Upper	
276	100		
138	16.3	13.2	19.8
277	25.1	19.9	29.9





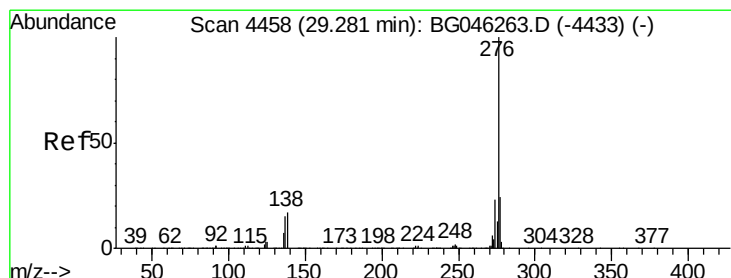
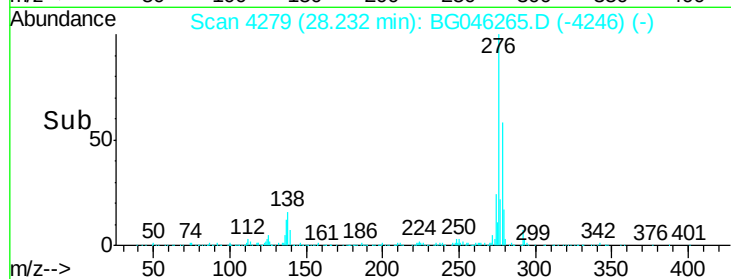
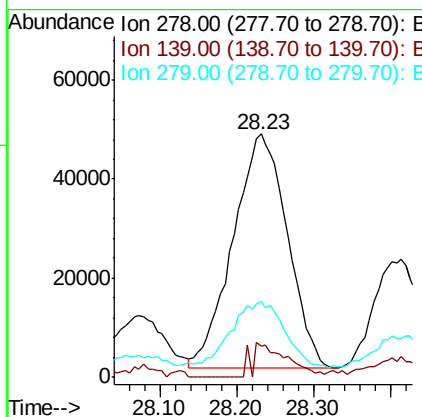
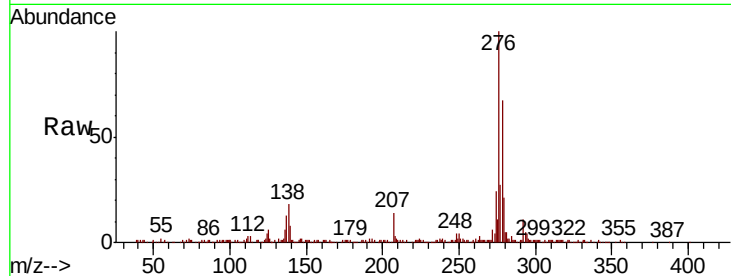
#29
Dibenzo(a,h)anthracene
Concen: 5.914 ng/ul
RT: 28.23 min Scan# 4279
Delta R.T. -0.01 min
Lab File: BG046265.D
Acq: 14 Aug 2020 2:26

Instrument :
BNA_G
ClientSampled :
BFM57

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.7	9.8	14.8
279	31.3	19.7	29.5#

Manual Integrations
APPROVED

Sohil
8/14/2020 2:52:39 PM



#30
Benzo(g,h,i)perylene
Concen: 15.907 ng/ul
RT: 29.28 min Scan# 4458
Delta R.T. 0.02 min
Lab File: BG046265.D
Acq: 14 Aug 2020 2:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.9	19.3
277	23.9	19.4	29.0

