

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046414.D
 Acq On : 21 Aug 2020 15:20
 Operator : CG/JU
 Sample : L3635-19
 Misc :
 ALS Vial : 78 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMJ5

Manual Integrations
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Quant Time: Aug 21 16:01:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 11:14:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	89347	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	362032	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	240435	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	524699	20.00	ng/ul	0.00
18) Chrysene-d12	21.57	240	490715	20.00	ng/ul	0.01
23) Perylene-d12	24.70	264	538004	20.00	ng/ul	0.03
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	166163	26.66	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	618245	27.94	ng/ul	0.00
10) Fluorene-d10	15.56	176	471324	27.80	ng/ul	0.00
15) Anthracene-d10	17.41	188	681411	28.01	ng/ul	0.00
19) Pyrene-d10	19.70	212	737605	29.20	ng/ul	0.01
26) Benzo(a)pyrene-d12	24.49	264	807951	27.52	ng/ul	0.03
Target Compounds						
					Qvalue	
4) Naphthalene	10.78	128	24272	1.289	ng/ul	98
8) Acenaphthylene	14.29	152	75364	3.350	ng/ul	98
9) Acenaphthene	14.63	153	43855	2.730	ng/ul	96
11) Fluorene	15.61	166	31016	1.651	ng/ul#	97
14) Phenanthrene	17.36	178	834700	28.917	ng/ul	98
16) Anthracene	17.45	178	135127	4.640	ng/ul	98
17) Fluoranthene	19.37	202	1489915	46.290	ng/ul	98
20) Pyrene	19.73	202	1610519	49.999	ng/ul	97
21) Benzo(a)anthracene	21.55	228	1045285	32.739	ng/ul	92
22) Chrysene	21.61	228	1085052	35.156	ng/ul	95
24) Benzo(b)fluoranthene	23.72	252	2175317	61.143	ng/ul	94
25) Benzo(k)fluoranthene	23.78	252	835212m	23.666	ng/ul	
27) Benzo(a)pyrene	24.57	252	1941010	59.426	ng/ul	95
28) Indeno(1,2,3-cd)pyrene	28.25	276	1398267	34.190	ng/ul	97
29) Dibenzo(a,h)anthracene	28.29	278	431827	13.023	ng/ul#	89
30) Benzo(g,h,i)perylene	29.36	276	1256977	36.725	ng/ul	98

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

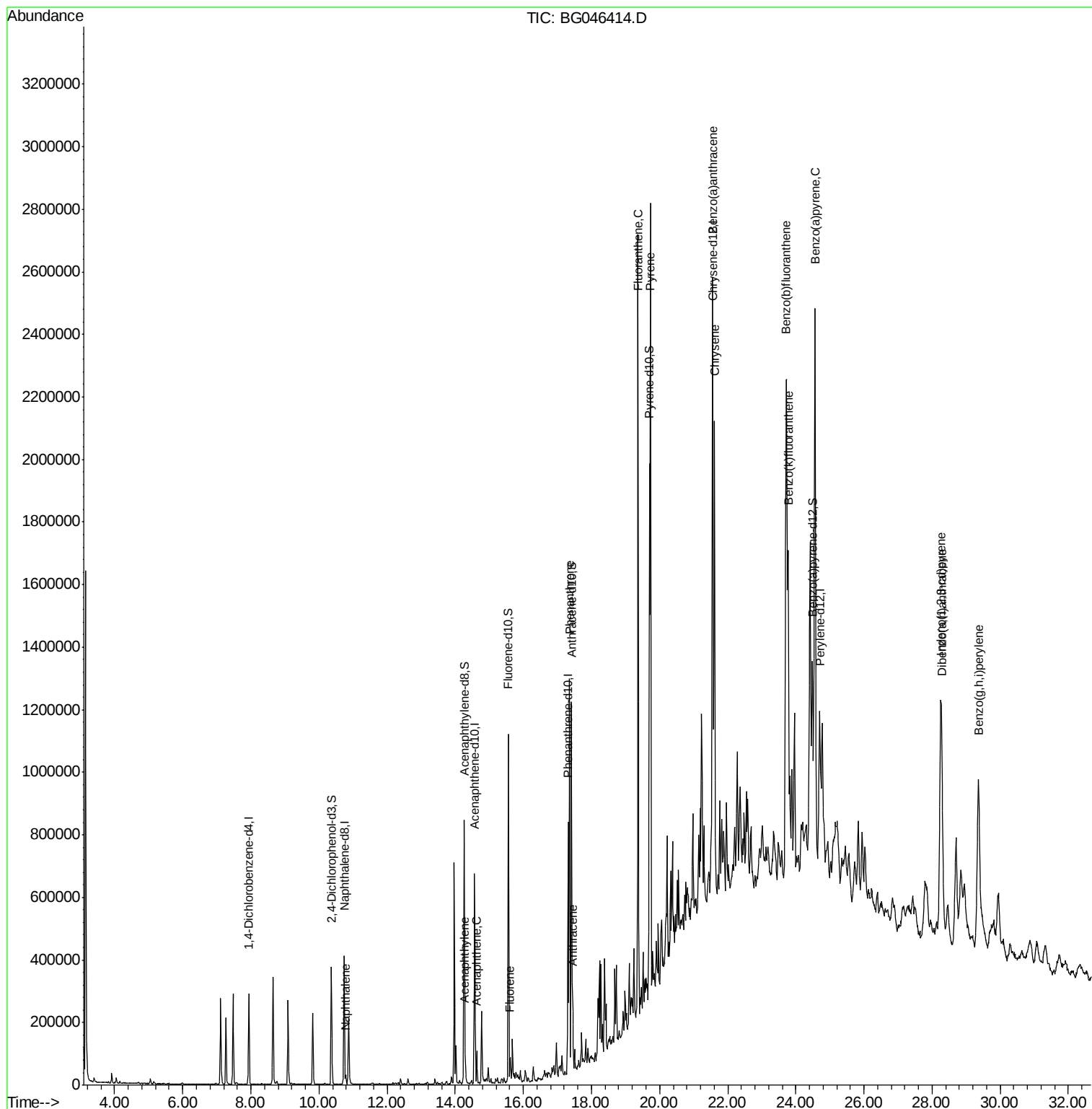
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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ALS Vial : 78 Sample Multiplier: 1

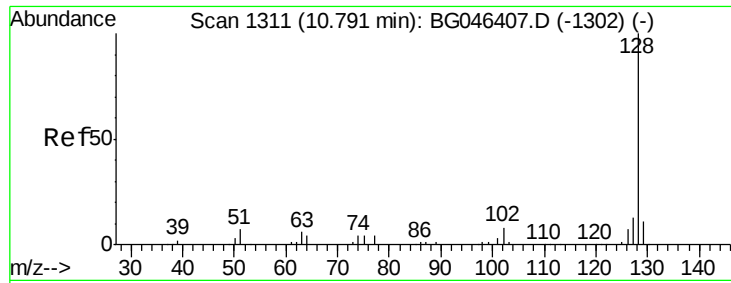
Instrument :
BNA_G
ClientSampleId :
BFMJ5

Quant Time: Aug 21 16:01:32 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 20 11:14:19 2020
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#4

Naphthalene

Concen: 1.289 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Instrument :

BNA_G

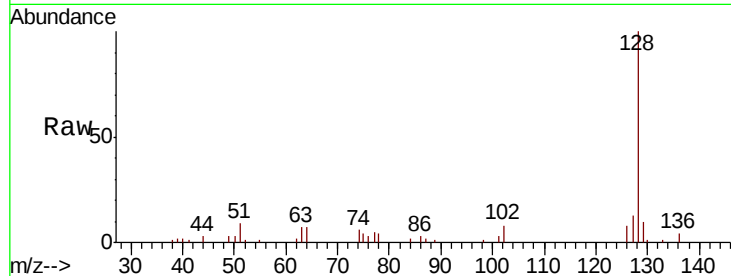
ClientSampleId :

BFMJ5

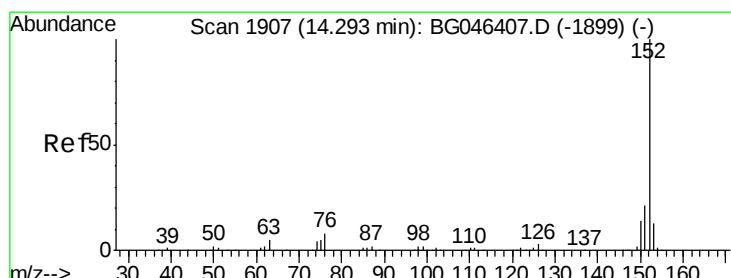
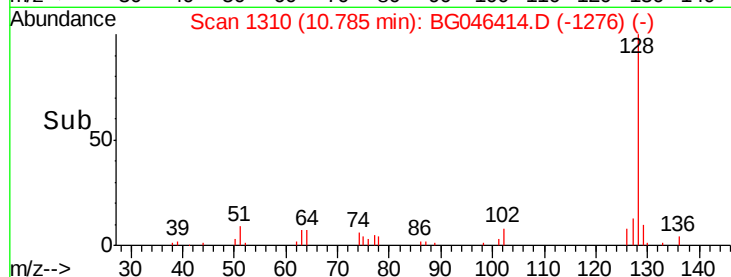
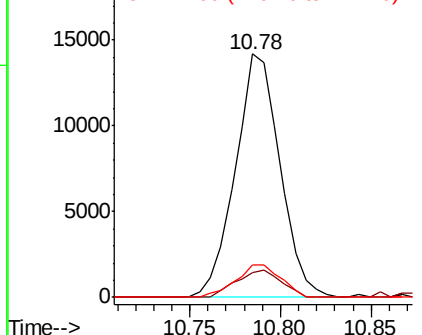
Tot Ion:	128	Resp:	24272
Ion Ratio	Lower	Upper	
128	100		
129	10.4	9.0	13.6
127	13.1	10.9	16.3

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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



#8

Acenaphthylene

Concen: 3.350 ng/ul

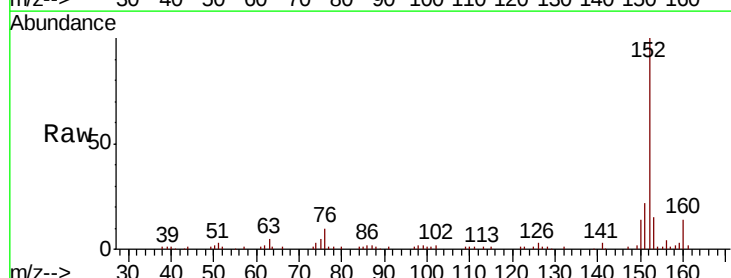
RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

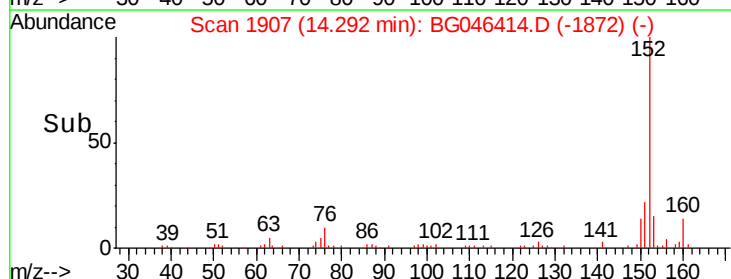
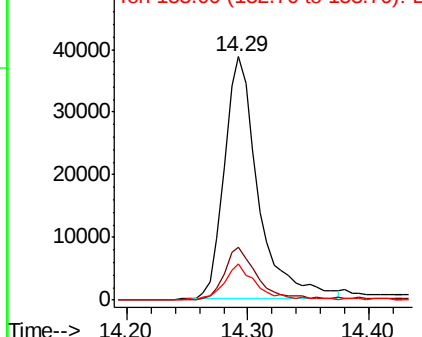
Lab File: BG046414.D

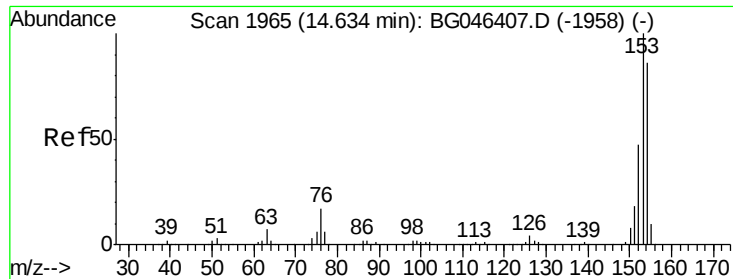
Acq: 21 Aug 2020 15:20

Tgt Ion:	152	Resp:	75364
Ion Ratio	Lower	Upper	
152	100		
151	21.7	16.5	24.7
153	14.8	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: 2.730 ng/ul

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Instrument :

BNA_G

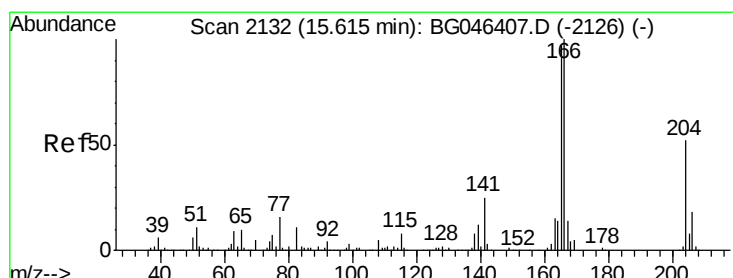
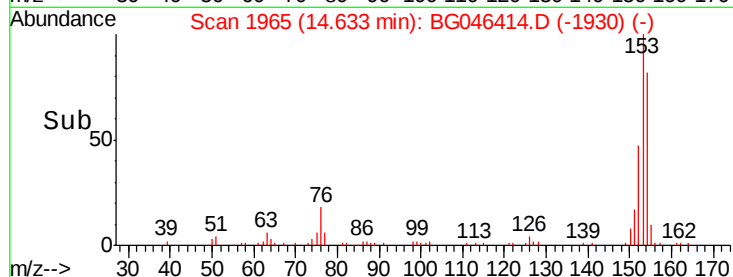
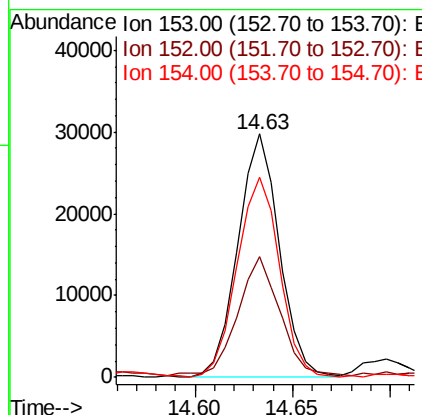
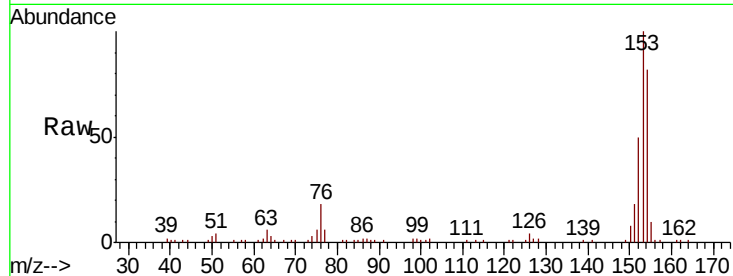
ClientSampleId :

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Tot Ion:	153	Resp:	43855
Ion	Ratio	Lower	Upper
153	100		
152	49.8	37.2	55.8
154	81.9	67.8	101.6

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#11

Fluorene

Concen: 1.651 ng/ul

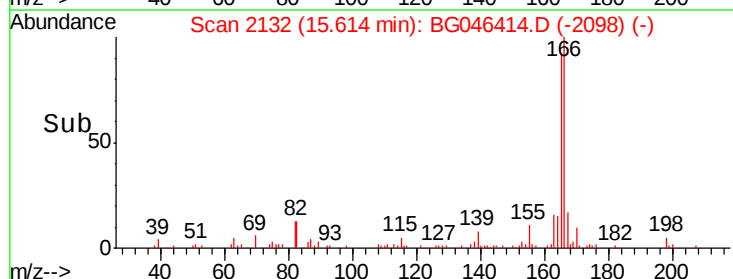
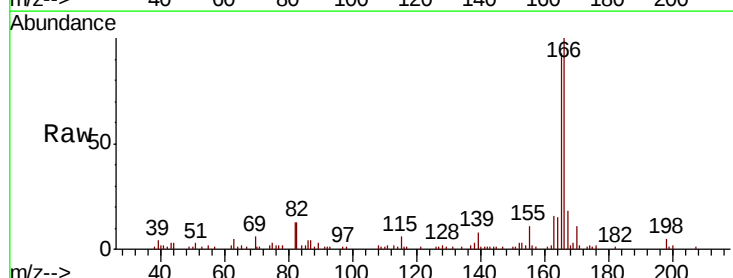
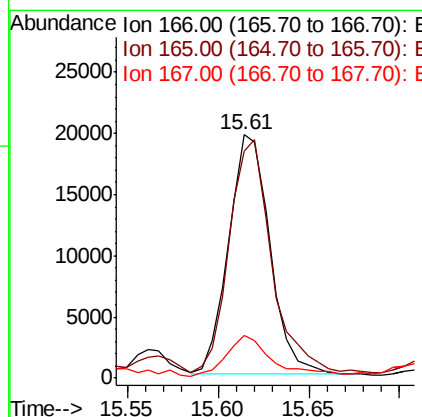
RT: 15.61 min Scan# 2132

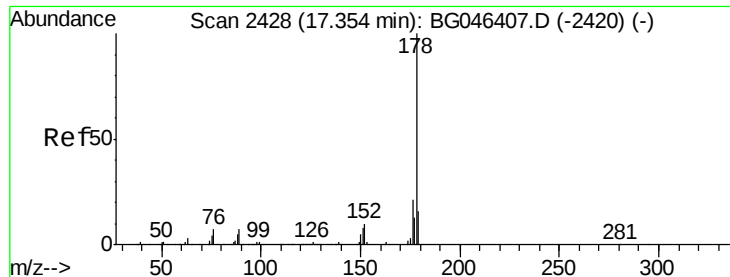
Delta R.T. -0.00 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Tgt Ion:	166	Resp:	31016
Ion	Ratio	Lower	Upper
166	100		
165	93.4	75.9	113.9
167	17.5	10.7	16.1#





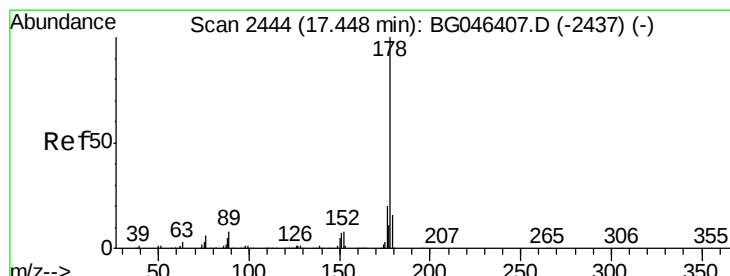
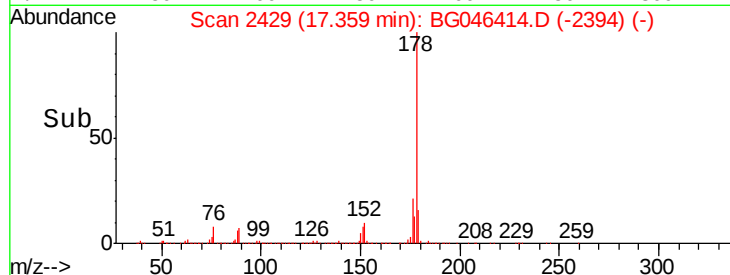
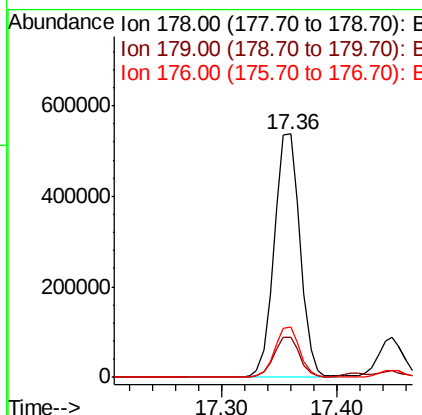
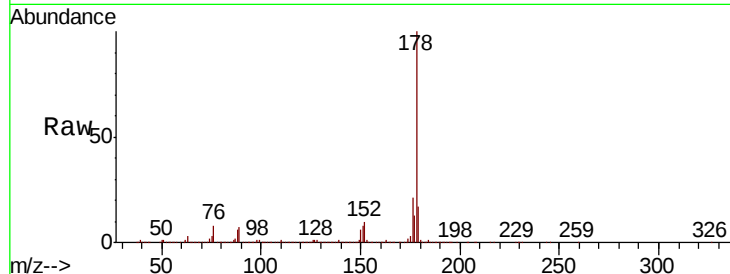
#14
Phenanthrene
Concen: 28.917 ng/ul
RT: 17.36 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BG046414.D
Acq: 21 Aug 2020 15:20

Instrument :
BNA_G
ClientSampleId :
BFMJ5

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.8	19.2
176	20.6	15.8	23.8

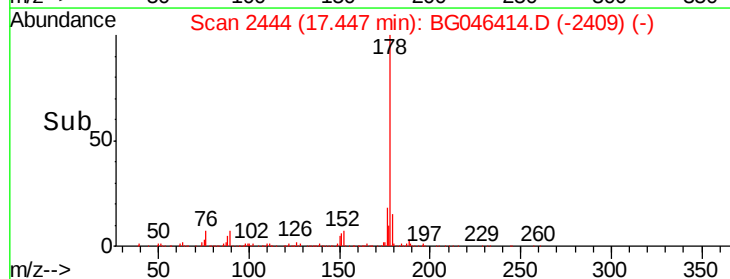
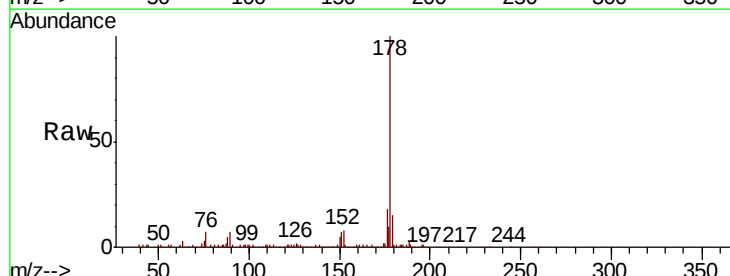
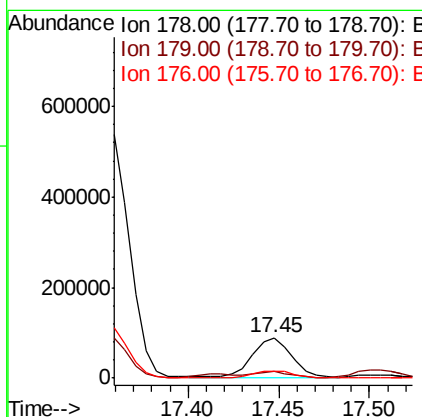
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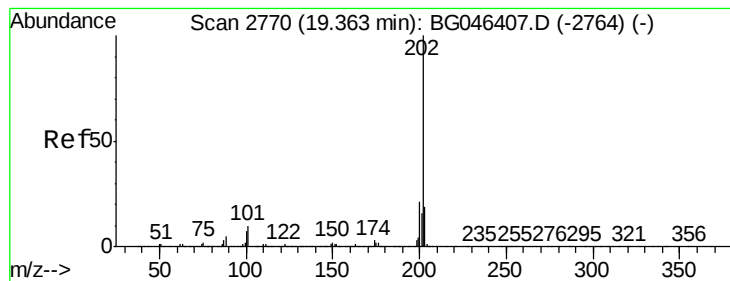
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#16
Anthracene
Concen: 4.640 ng/ul
RT: 17.45 min Scan# 2444
Delta R.T. 0.00 min
Lab File: BG046414.D
Acq: 21 Aug 2020 15:20

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.2	19.8
176	18.4	15.2	22.8





#17

Fluoranthene

Concen: 46.290 ng/ul

RT: 19.37 min Scan# 2771

Delta R.T. 0.01 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Instrument :

BNA_G

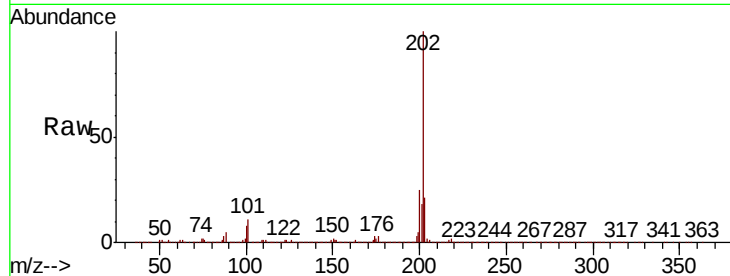
ClientSampleId :

BFMJ5

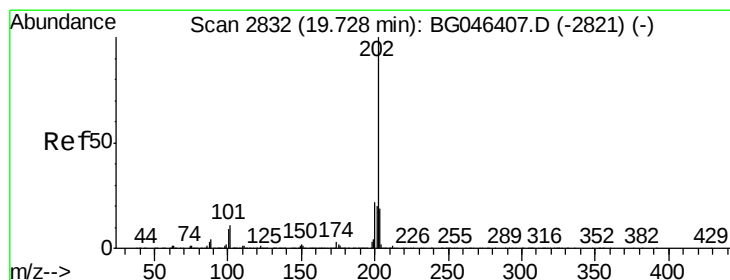
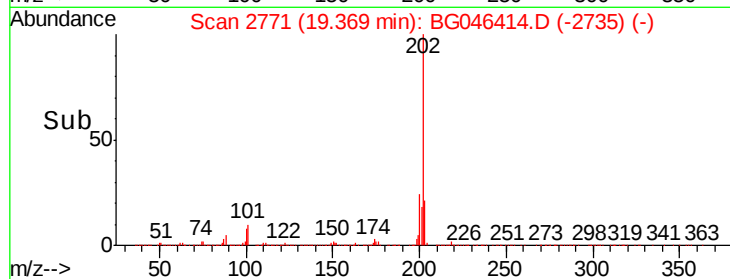
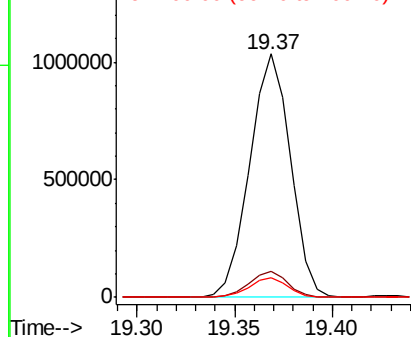
Tot Ion:	202	Resp:	1489915
Ion	Ratio	Lower	Upper
202	100		
101	10.5	7.8	11.6
100	8.2	5.9	8.9

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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



#20

Pyrene

Concen: 49.999 ng/ul

RT: 19.73 min Scan# 2833

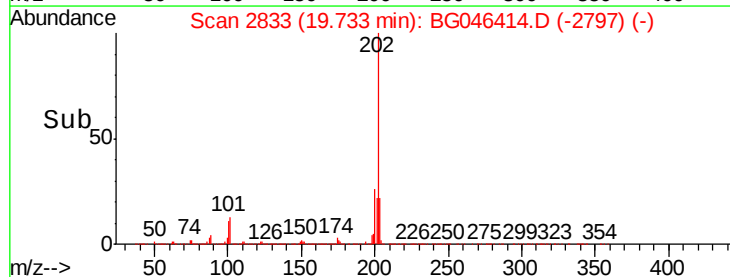
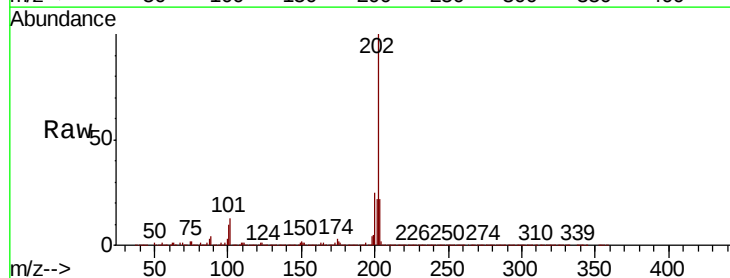
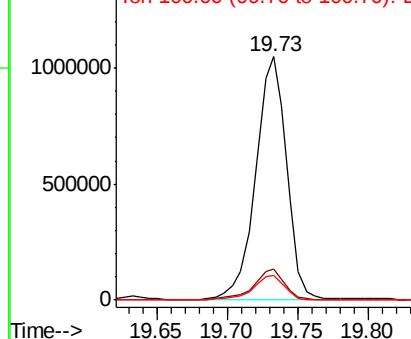
Delta R.T. 0.01 min

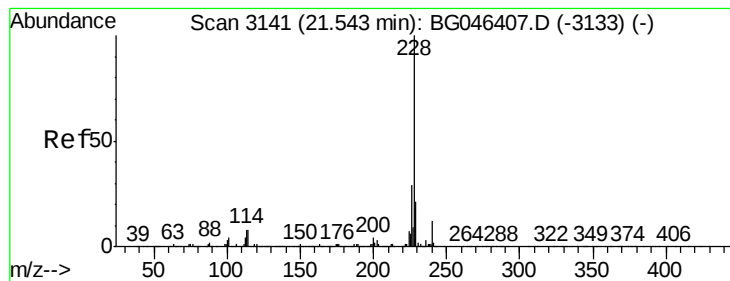
Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Tgt Ion:	202	Resp:	1610519
Ion	Ratio	Lower	Upper
202	100		
101	12.8	8.9	13.3
100	10.3	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





#21

Benzo(a)anthracene

Concen: 32.739 ng/ul

RT: 21.55 min Scan# 3142

Delta R.T. 0.01 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Instrument :

BNA_G

ClientSampleId :

BFMJ5

Tot Ion:228 Resp: 1045285

Ion Ratio Lower Upper

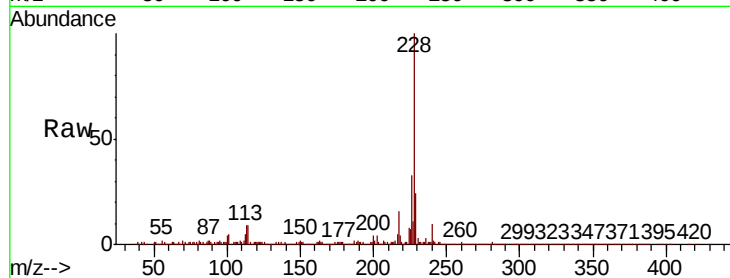
228 100

229 23.8 16.6 25.0

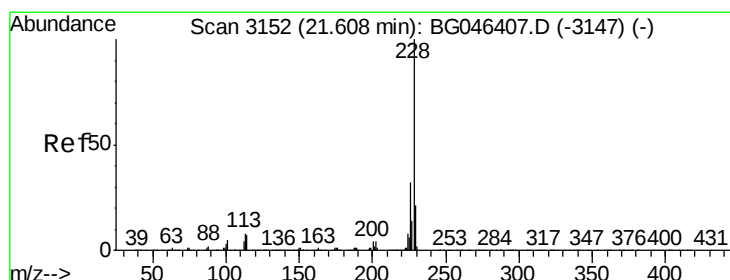
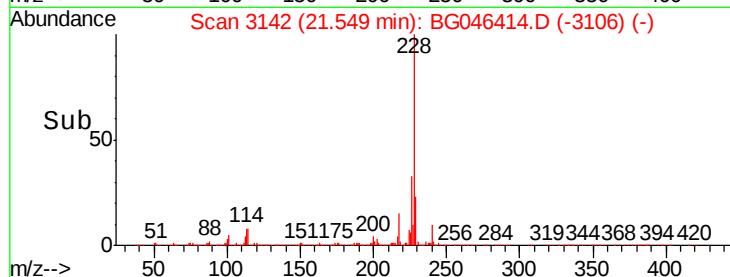
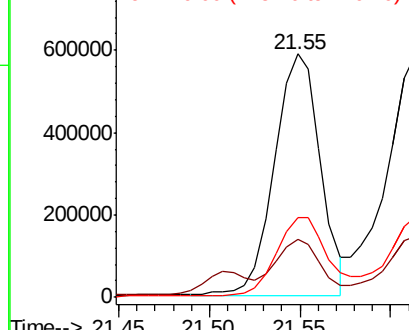
226 33.0 22.6 33.8

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Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#22

Chrysene

Concen: 35.156 ng/ul

RT: 21.61 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

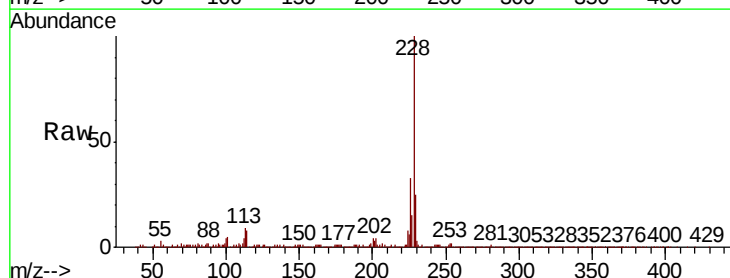
Tgt Ion:228 Resp: 1085052

Ion Ratio Lower Upper

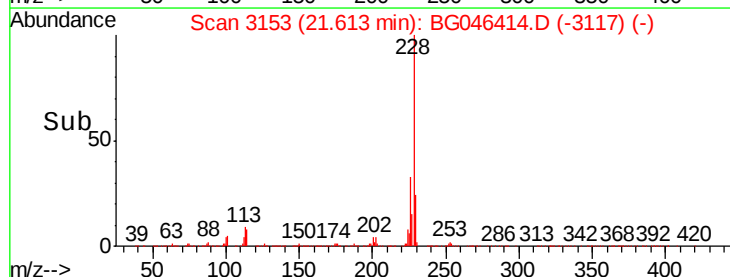
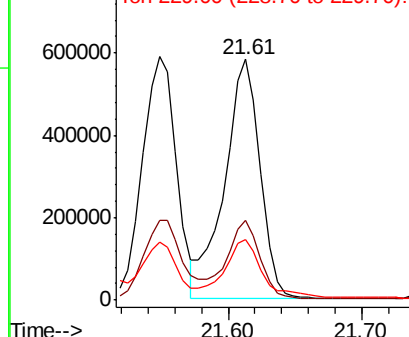
228 100

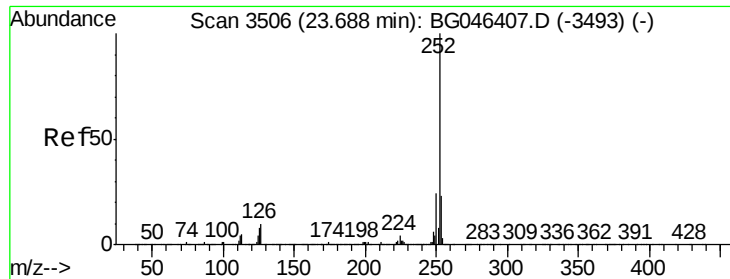
226 33.3 25.5 38.3

229 25.2 17.0 25.4



Abundance Ion 228.00 (227.70 to 228.70): E
800000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





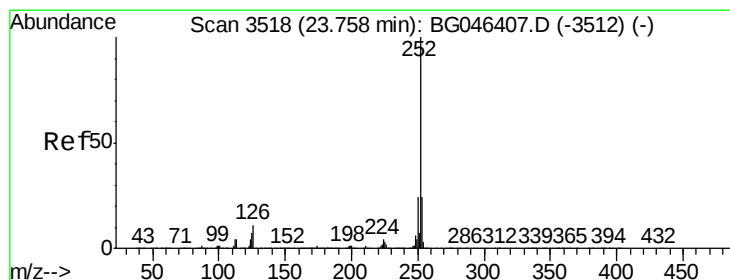
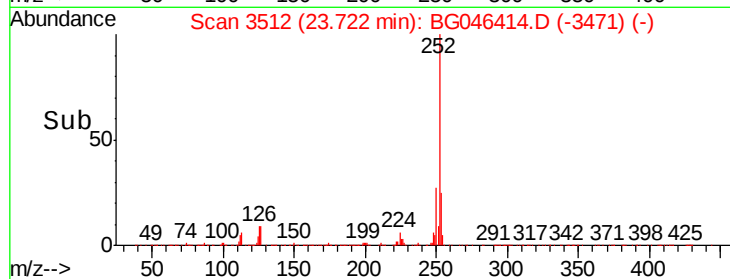
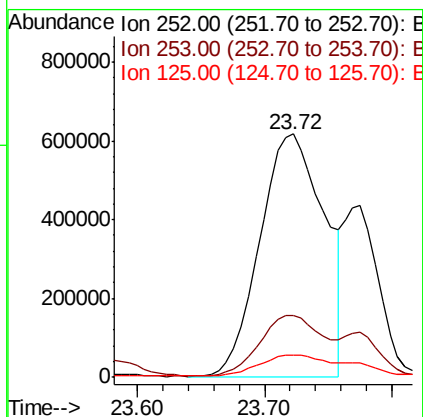
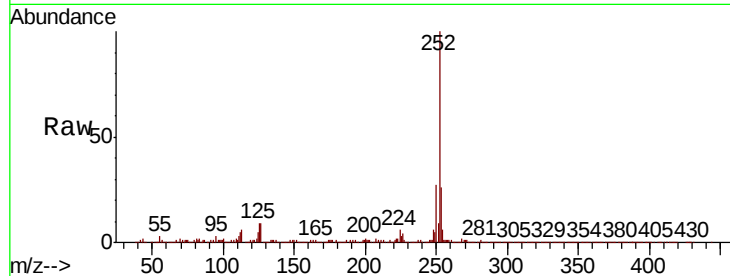
#24
Benzo(b)fluoranthene
Concen: 61.143 ng/ul
RT: 23.72 min Scan# 3512
Delta R.T. 0.04 min
Lab File: BG046414.D
Acq: 21 Aug 2020 15:20

Instrument :
BNA_G
ClientSampleId :
BFMJ5

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.8	26.6
125	9.3	6.4	9.6

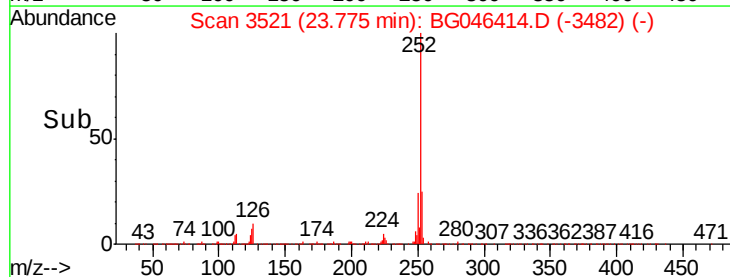
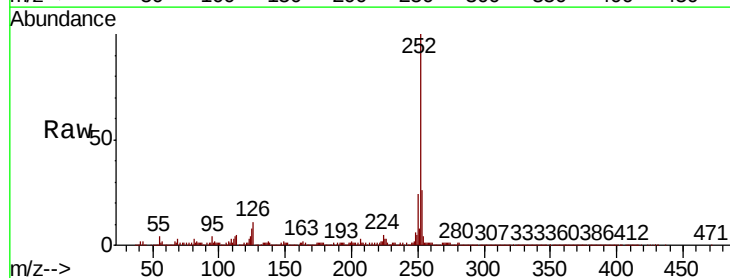
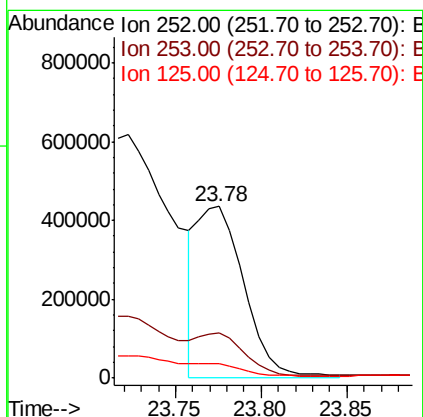
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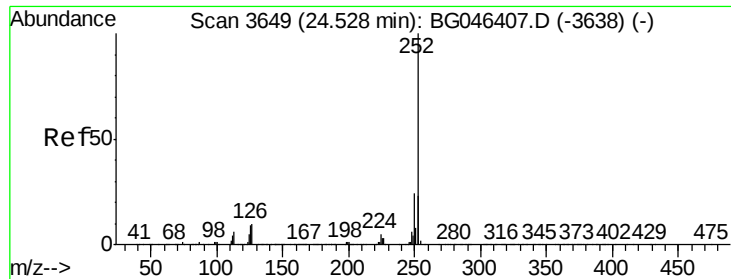
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#25
Benzo(k)fluoranthene
Concen: 23.666 ng/ul m
RT: 23.78 min Scan# 3521
Delta R.T. 0.03 min
Lab File: BG046414.D
Acq: 21 Aug 2020 15:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.5	27.7
125	8.2	6.2	9.2





#27

Benzo(a)pyrene

Concen: 59.426 ng/ul

RT: 24.57 min Scan# 3656

Delta R.T. 0.05 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Instrument :

BNA_G

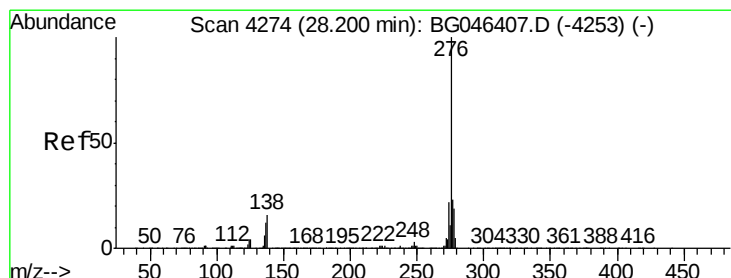
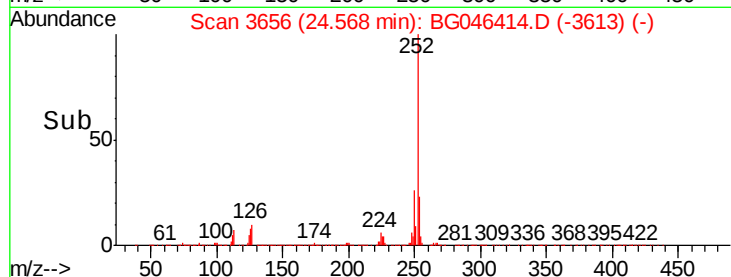
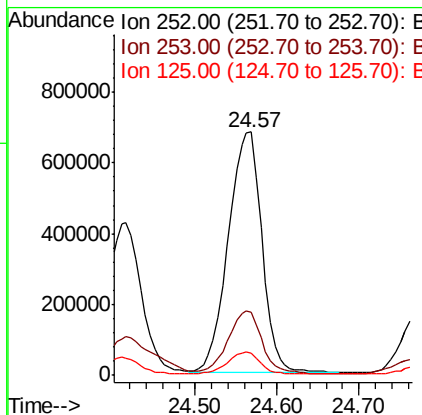
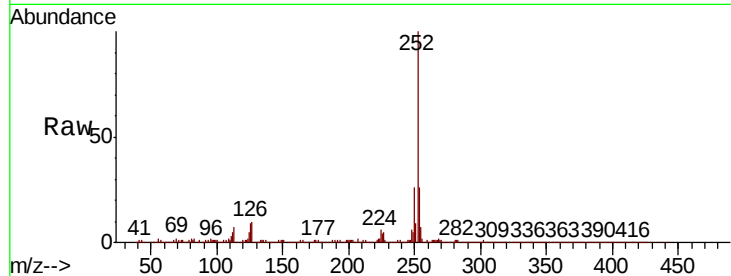
ClientSampled :

BFMJ5

Tot Ion:	252	Resp:	1941010
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.8	26.8
125	9.0	7.1	10.7

Manual Integrations
APPROVED

Sohil
8/24/2020 1:46:54 PM



#28

Indeno(1,2,3-cd)pyrene

Concen: 34.190 ng/ul

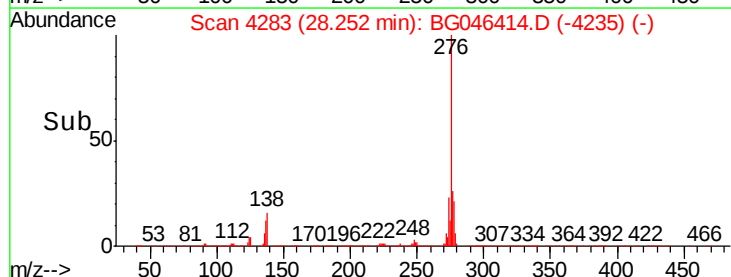
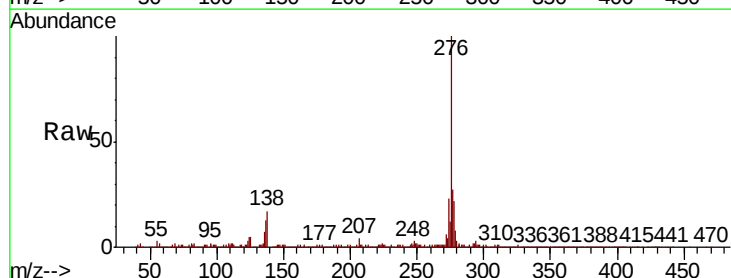
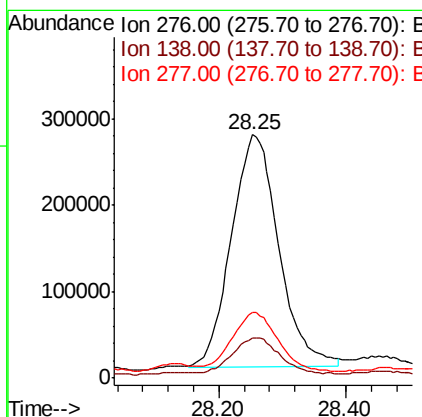
RT: 28.25 min Scan# 4283

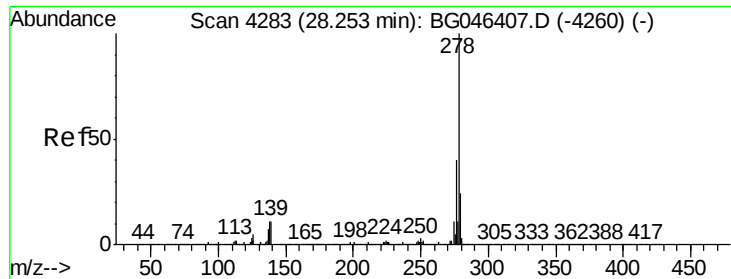
Delta R.T. 0.08 min

Lab File: BG046414.D

Acq: 21 Aug 2020 15:20

Tgt Ion:	276	Resp:	1398267
Ion Ratio	Lower	Upper	
276	100		
138	16.6	13.2	19.8
277	27.2	19.9	29.9





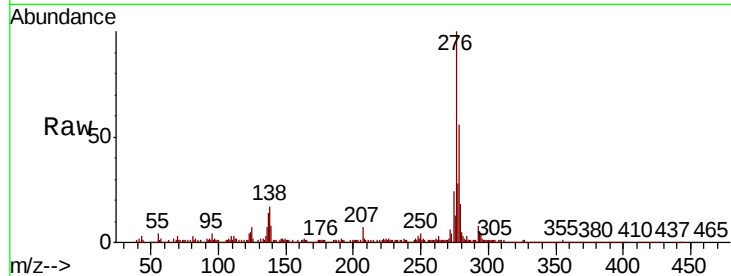
#29
Dibenzo(a,h)anthracene
Concen: 13.023 ng/ul
RT: 28.29 min Scan# 4289
Delta R.T. 0.06 min
Lab File: BG046414.D
Acq: 21 Aug 2020 15:20

Instrument :
BNA_G
ClientSampleId :
BFMJ5

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	9.8	14.8
279	32.3	19.7	29.5#

Manual Integrations
APPROVED

Sohil
8/24/2020 1:46:54 PM

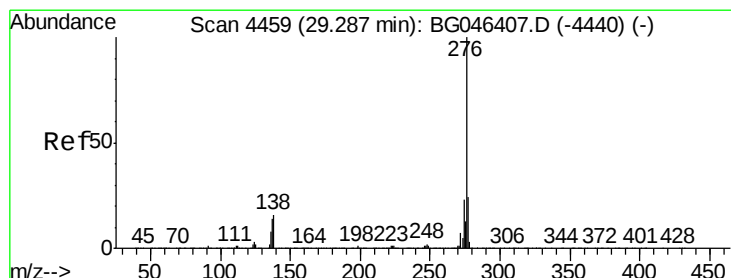
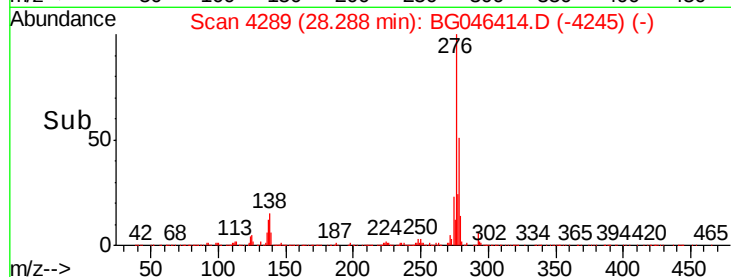
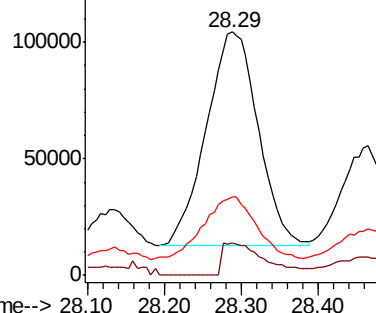


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30
Benzo(g,h,i)perylene
Concen: 36.725 ng/ul
RT: 29.36 min Scan# 4472
Delta R.T. 0.09 min
Lab File: BG046414.D
Acq: 21 Aug 2020 15:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.9	19.3
277	25.4	19.4	29.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

