

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081320\
 Data File : BG046271.D
 Acq On : 14 Aug 2020 10:30
 Operator : CG/JU
 Sample : L3629-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFM48

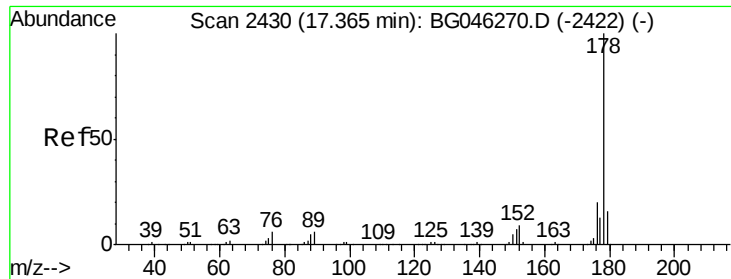
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Quant Time: Aug 14 13:13:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 13 13:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	119466	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	477380	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.58	164	305754	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.32	188	674608	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	665722	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	703916	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.37	165	119750	14.57	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	464805	16.52	ng/ul	0.00
10) Fluorene-d10	15.57	176	351453	16.30	ng/ul	0.00
15) Anthracene-d10	17.41	188	519400	16.61	ng/ul	0.00
19) Pyrene-d10	19.70	212	601506	17.55	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	643924	16.76	ng/ul	0.00
Target Compounds						
						Qvalue
14) Phenanthrene	17.36	178	212693	5.731	ng/ul	99
17) Fluoranthene	19.37	202	395934	9.568	ng/ul	98
20) Pyrene	19.73	202	347446	7.951	ng/ul	98
21) Benzo(a)anthracene	21.54	228	206483	4.767	ng/ul	99
22) Chrysene	21.61	228	206528	4.932	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	293561	6.307	ng/ul	97
25) Benzo(k)fluoranthene	23.75	252	98290m	2.129	ng/ul	
27) Benzo(a)pyrene	24.52	252	183847	4.302	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.18	276	133368	2.492	ng/ul	99
29) Dibenzo(a,h)anthracene	28.24	278	43818m	1.010	ng/ul	
30) Benzo(g,h,i)perylene	29.26	276	124199	2.773	ng/ul	99

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



#14

Phenanthrene

Concen: 5.731 ng/ul

RT: 17.36 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BG046271.D

Acq: 14 Aug 2020 10:30

Instrument :

BNA_G

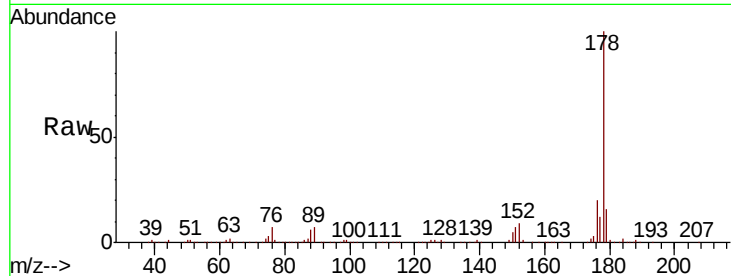
ClientSampleId :

BFM48

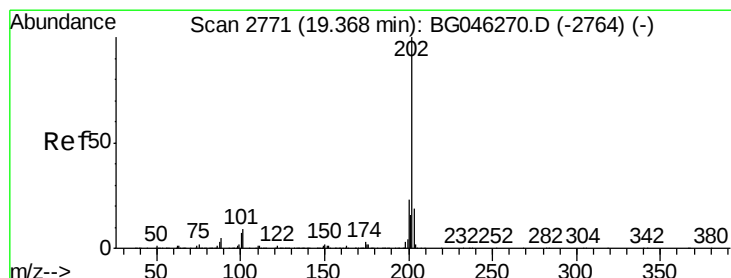
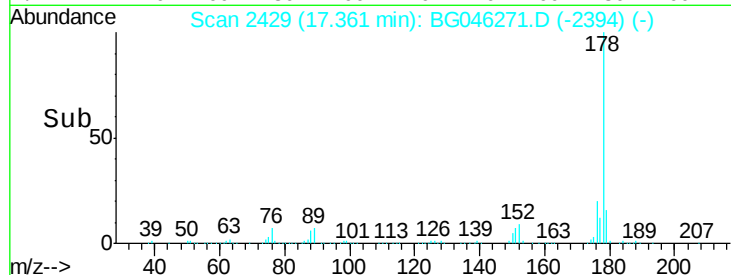
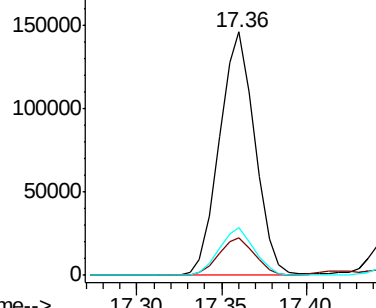
Tot Ion:	178	Resp:	212693
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.8	19.2
176	19.6	15.8	23.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#17

Fluoranthene

Concen: 9.568 ng/ul

RT: 19.37 min Scan# 2771

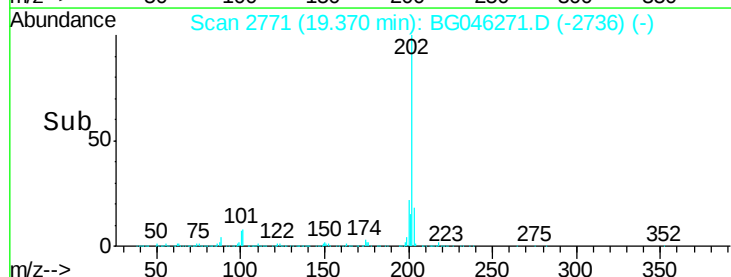
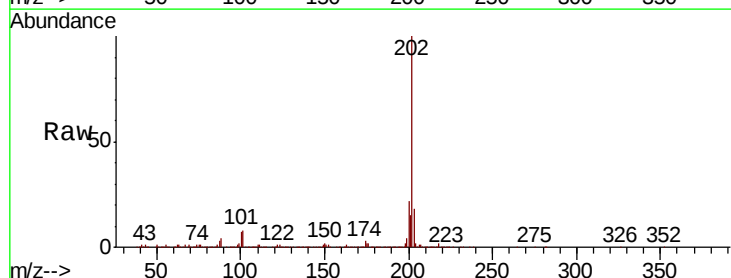
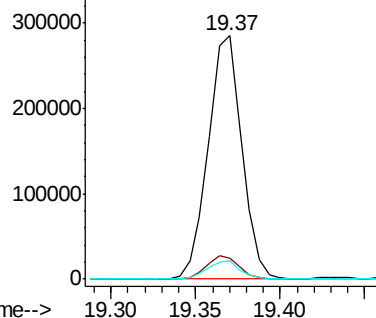
Delta R.T. 0.00 min

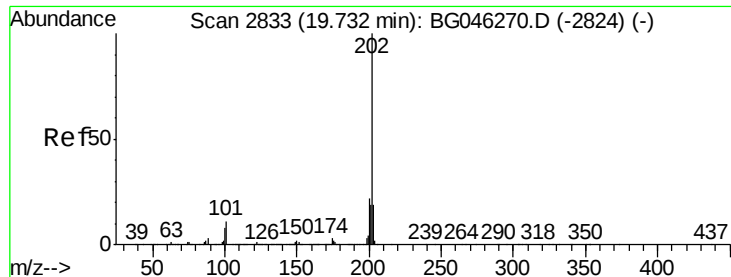
Lab File: BG046271.D

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Tgt Ion:	202	Resp:	395934
Ion Ratio	Lower	Upper	
202	100		
101	8.5	7.8	11.6
100	7.4	5.9	8.9

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





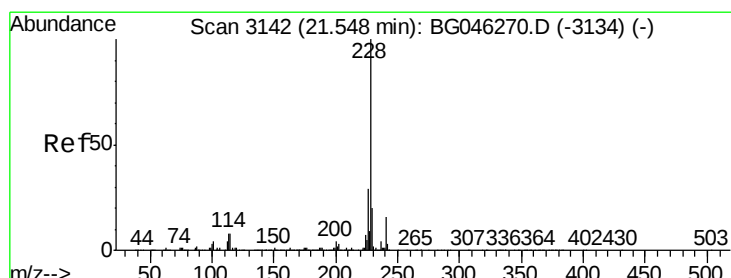
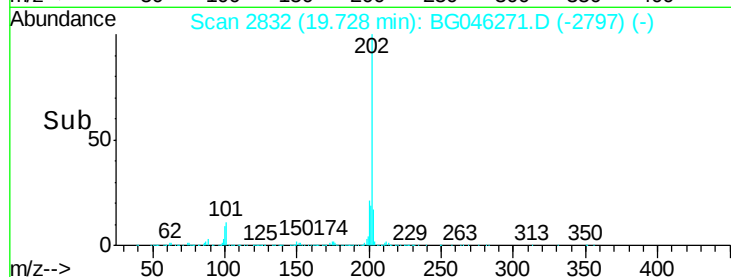
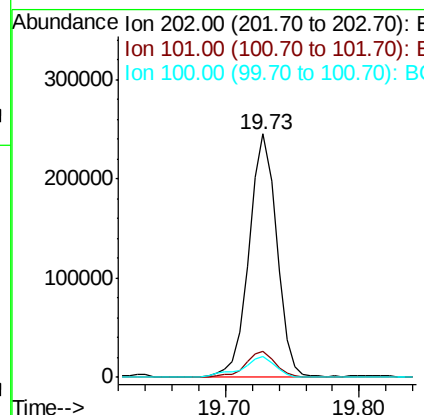
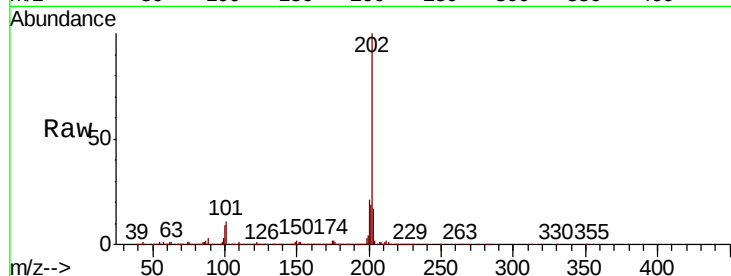
#20
Pvrene
Concen: 7.951 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG046271.D
Acq: 14 Aug 2020 10:30

Instrument :
BNA_G
ClientSampleId :
BFM48

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.9	8.9	13.3	
100	8.6	7.9	11.9	

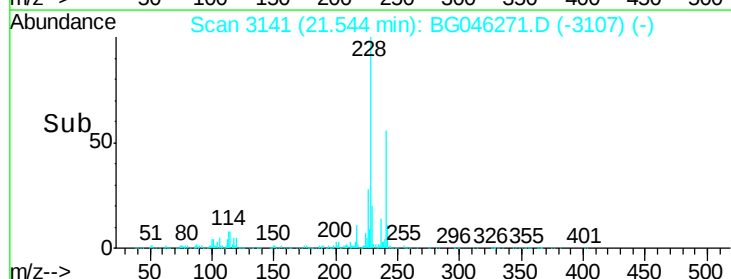
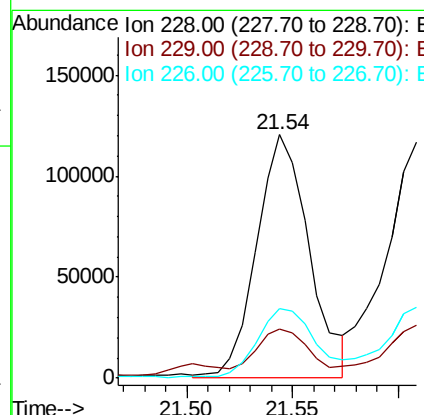
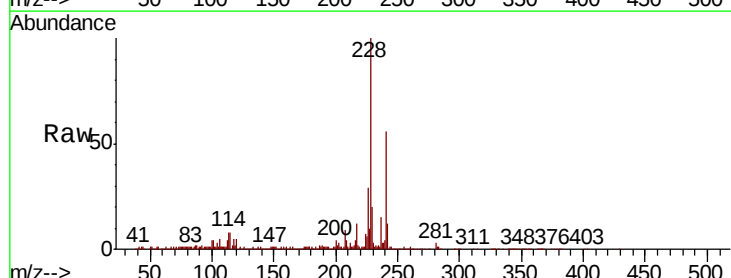
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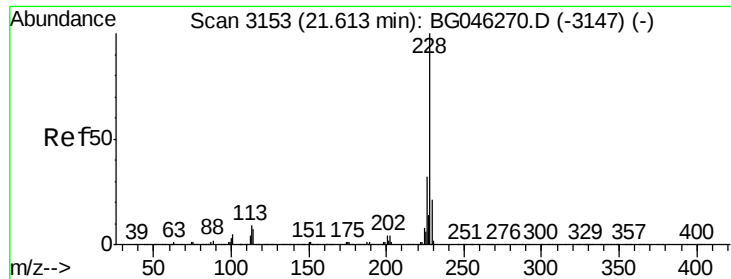
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#21
Benzo(a)anthracene
Concen: 4.767 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046271.D
Acq: 14 Aug 2020 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
229	20.1	16.6	25.0	
226	28.5	22.6	33.8	





#22

Chrysene

Concen: 4.932 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046271.D

Acq: 14 Aug 2020 10:30

Instrument :

BNA_G

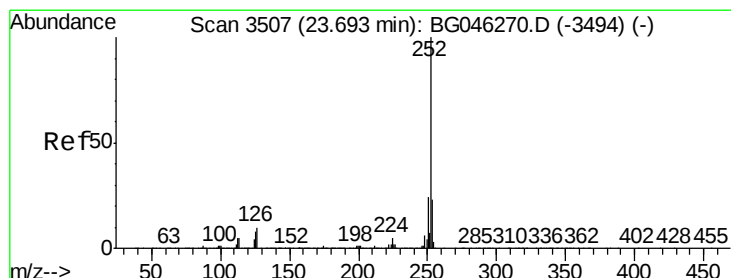
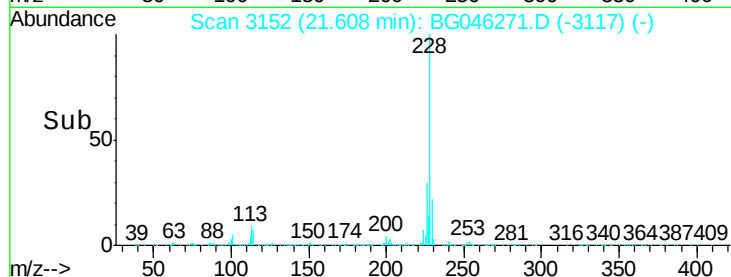
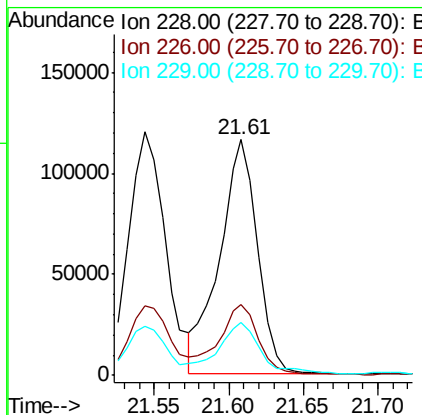
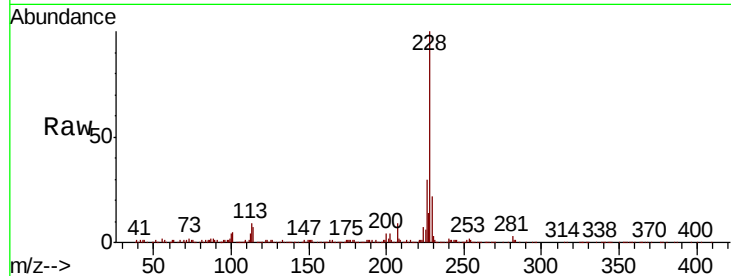
ClientSampleId :

BFM48

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.5	38.3
229	22.5	17.0	25.4

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#24

Benzo(b)fluoranthene

Concen: 6.307 ng/ul

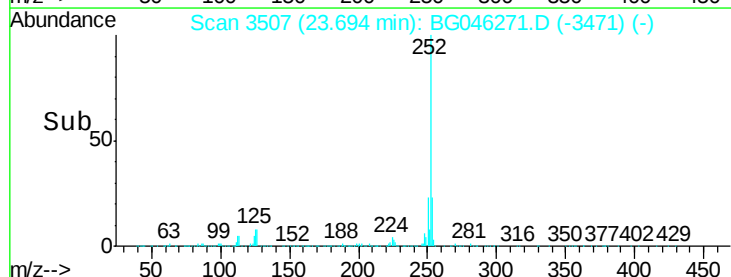
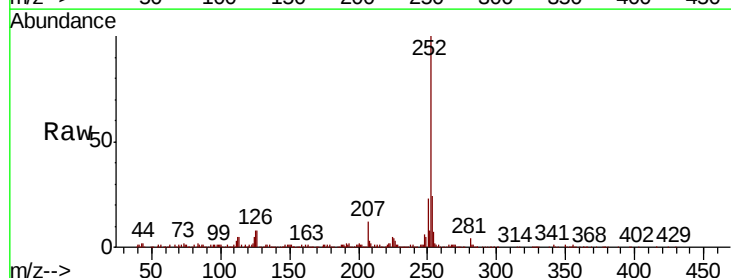
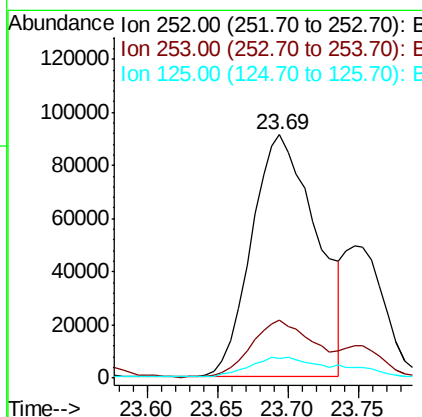
RT: 23.69 min Scan# 3507

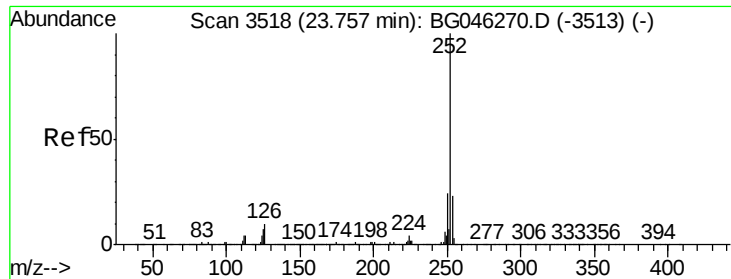
Delta R.T. 0.01 min

Lab File: BG046271.D

Acq: 14 Aug 2020 10:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	8.3	6.4	9.6





#25

Benzo(k)fluoranthene

Concen: 2.129 ng/ul m

RT: 23.75 min Scan# 3516

Delta R.T. -0.00 min

Lab File: BG046271.D

Acq: 14 Aug 2020 10:30

Instrument :

BNA_G

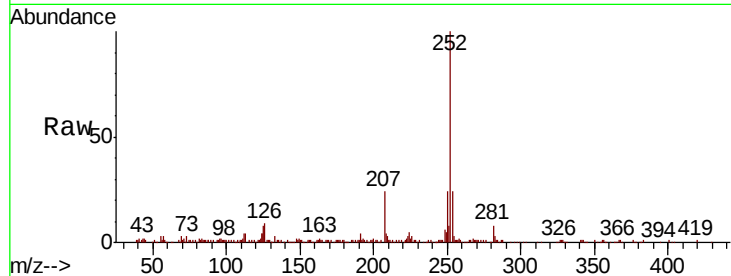
ClientSampleId :

BFM48

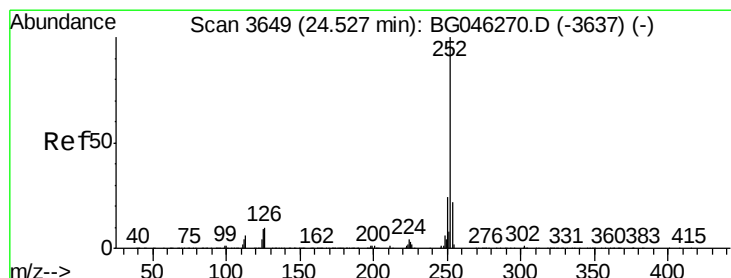
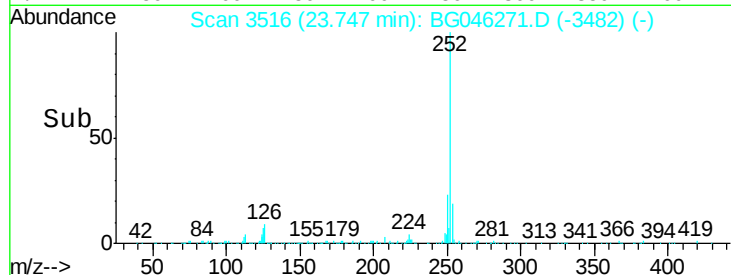
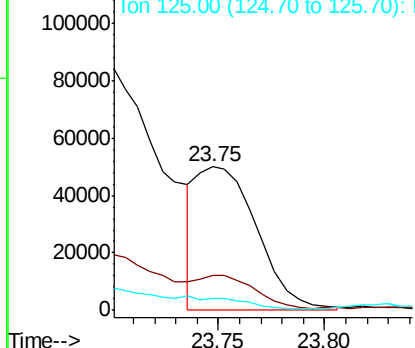
Tot Ion:	252	Resp:	98290
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.5	27.7
125	7.9	6.2	9.2

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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



#27

Benzo(a)pyrene

Concen: 4.302 ng/ul

RT: 24.52 min Scan# 3648

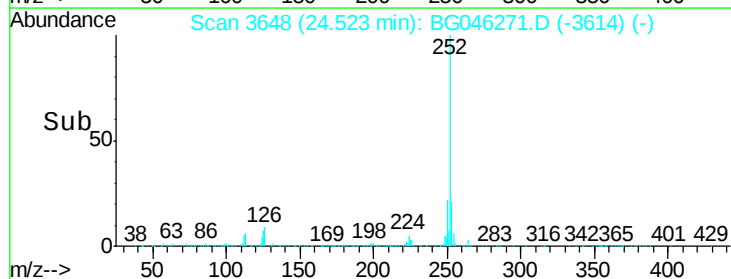
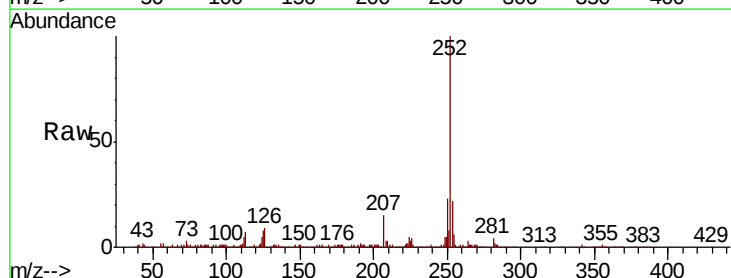
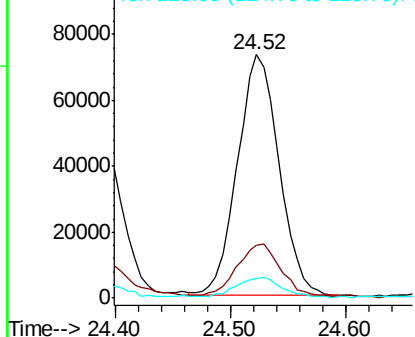
Delta R.T. -0.00 min

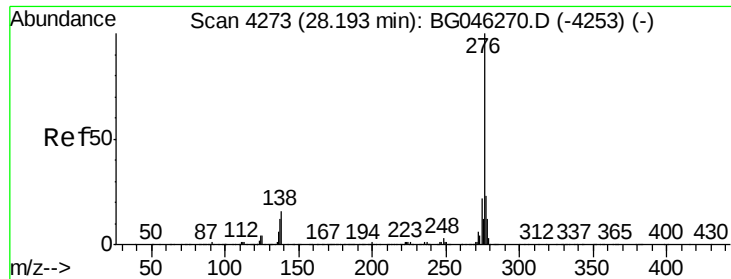
Lab File: BG046271.D

Acq: 14 Aug 2020 10:30

Tgt Ion:	252	Resp:	183847
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.8	26.8
125	7.9	7.1	10.7

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





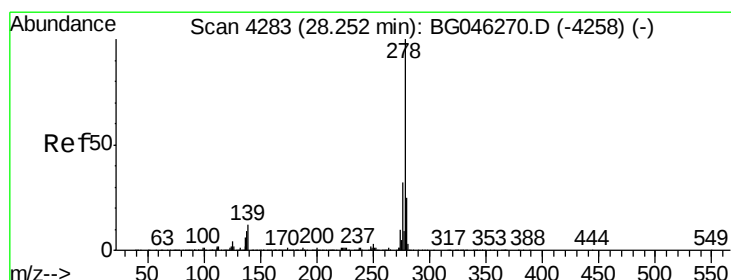
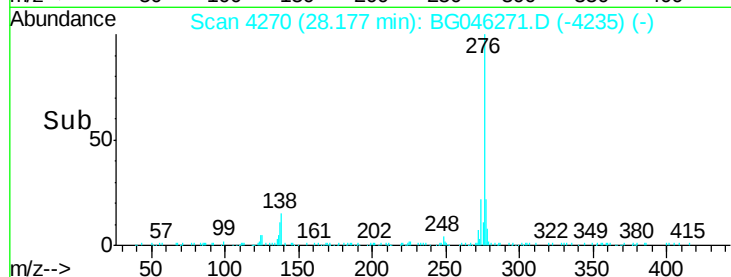
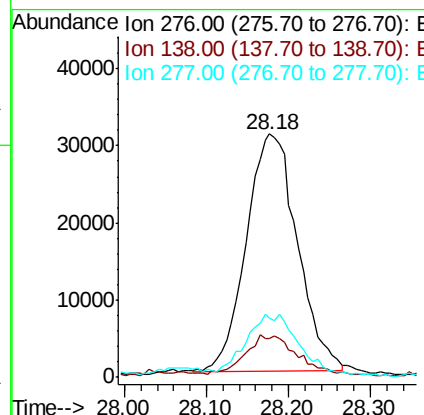
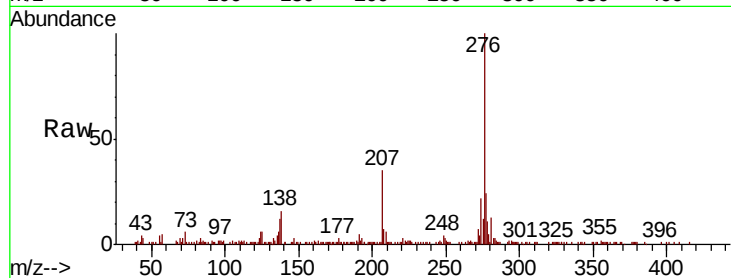
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 2.492 ng/ul
 RT: 28.18 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: BG046271.D
 Acq: 14 Aug 2020 10:30

Instrument :
 BNA_G
 ClientSampleId :
 BFM48

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.2	19.8
277	24.4	19.9	29.9

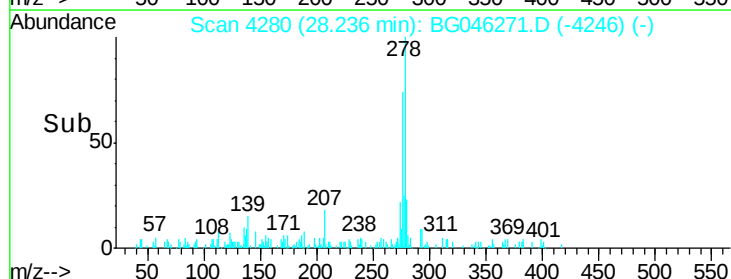
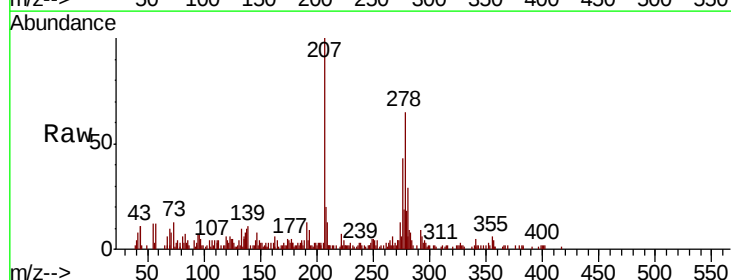
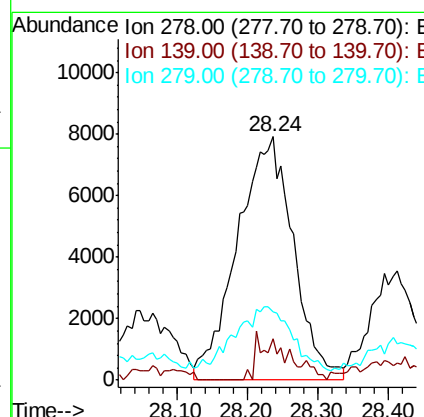
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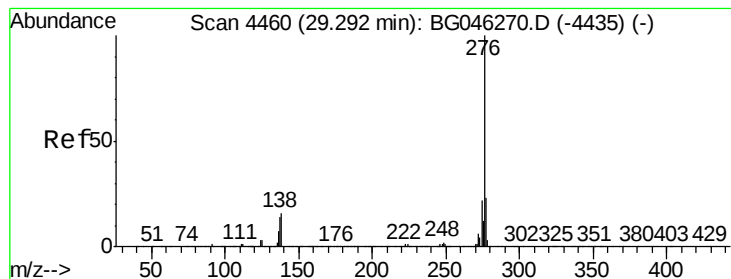
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#29
 Dibenzo(a,h)anthracene
 Concen: 1.010 ng/ul m
 RT: 28.24 min Scan# 4280
 Delta R.T. -0.00 min
 Lab File: BG046271.D
 Acq: 14 Aug 2020 10:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	9.8	14.8#
279	28.1	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 2.773 ng/ul

RT: 29.26 min Scan# 4455

Delta R.T. -0.00 min

Lab File: BG046271.D

Acq: 14 Aug 2020 10:30

Instrument :

BNA_G

ClientSampleId :

BFM48

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.9	19.3
277	23.6	19.4	29.0

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