

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046392.D
 Acq On : 20 Aug 2020 23:58
 Operator : CG/JU
 Sample : L3634-19
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMP4

Manual Integrations
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Quant Time: Aug 21 01:47:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 00:37:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	85804	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	361277	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	241807	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	538170	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	522754	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	557236	20.00	ng/ul	0.01
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	175053	28.14	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	663265	29.81	ng/ul	0.00
10) Fluorene-d10	15.56	176	499172	29.27	ng/ul	0.00
15) Anthracene-d10	17.41	188	708343	28.39	ng/ul	0.00
19) Pyrene-d10	19.70	212	799993	29.73	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	890090	29.27	ng/ul	0.01
Target Compounds						
					Qvalue	
4) Naphthalene	10.79	128	30904	1.645	ng/ul	96
5) 2-Methylnaphthalene	12.40	142	16425	1.147	ng/ul	98
8) Acenaphthylene	14.29	152	43043	1.902	ng/ul	98
9) Acenaphthene	14.63	153	26307	1.628	ng/ul	99
11) Fluorene	15.61	166	27947	1.479	ng/ul	98
14) Phenanthrene	17.35	178	638438	21.564	ng/ul	100
16) Anthracene	17.44	178	106347	3.560	ng/ul	99
17) Fluoranthene	19.36	202	1116083	33.807	ng/ul	100
20) Pyrene	19.73	202	1066177	31.071	ng/ul	99
21) Benzo(a)anthracene	21.54	228	559526	16.451	ng/ul	97
22) Chrysene	21.60	228	631722	19.213	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	853570	23.164	ng/ul	98
25) Benzo(k)fluoranthene	23.75	252	292801m	8.010	ng/ul	
27) Benzo(a)pyrene	24.53	252	575924	17.024	ng/ul	97
28) Indeno(1,2,3-cd)pyrene	28.19	276	392551	9.267	ng/ul	99
29) Dibenzo(a,h)anthracene	28.23	278	103520	3.014	ng/ul	98
30) Benzo(g,h,i)perylene	29.29	276	170858	4.820	ng/ul	96

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

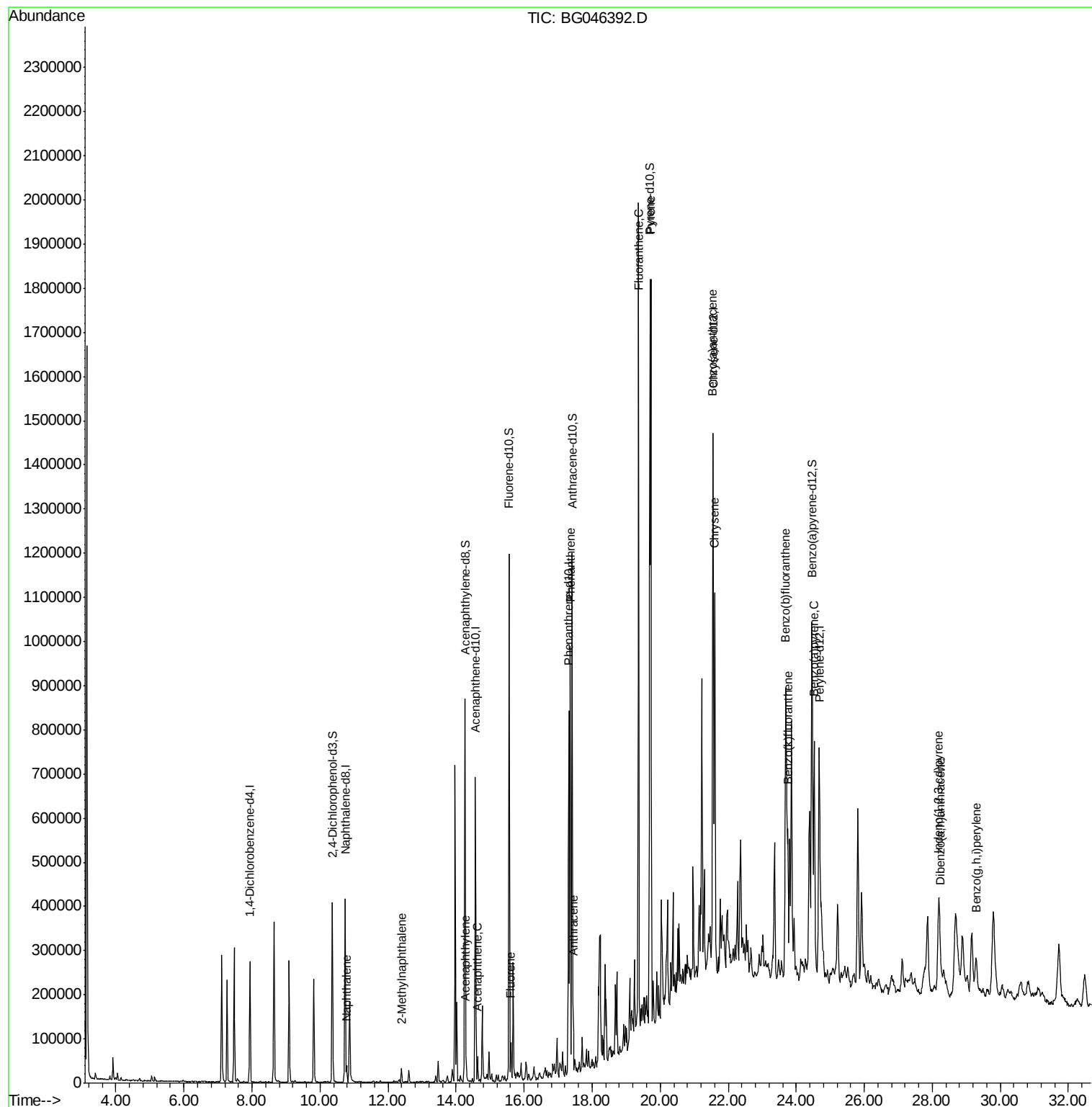
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046392.D
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Misc :
ALS Vial : 56 Sample Multiplier: 1

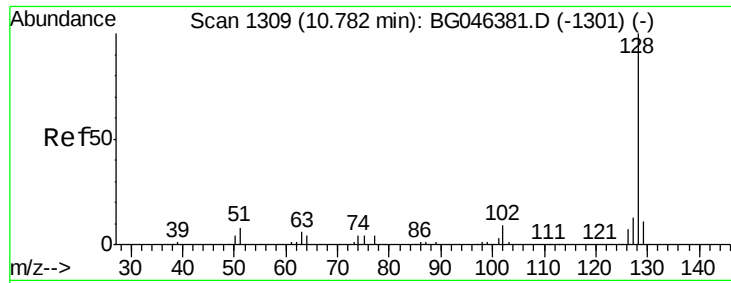
Instrument :
BNA_G
ClientSampled :
BFMP4

Quant Time: Aug 21 01:47:48 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
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#4

Naphthalene

Concen: 1.645 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

Instrument :

BNA_G

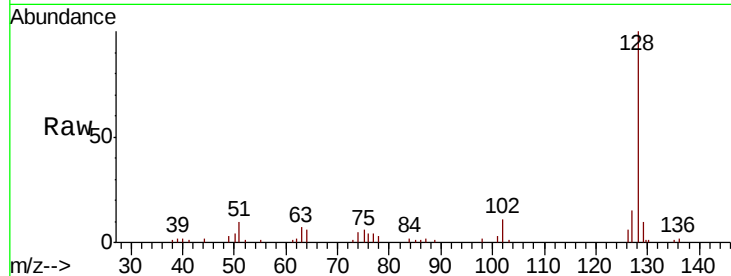
ClientSampleId :

BFMP4

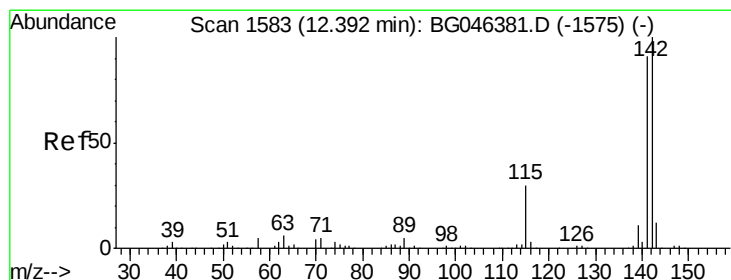
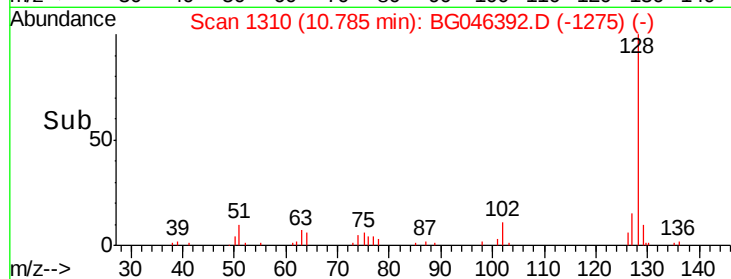
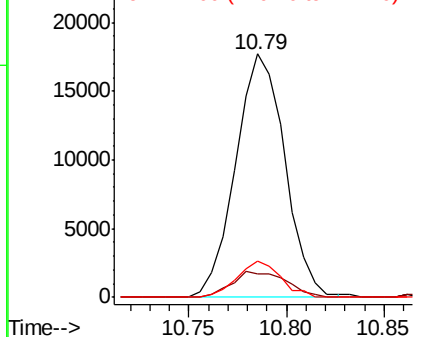
Tot Ion:	128	Resp:	30904
Ion Ratio	Lower	Upper	
128	100		
129	9.6	9.0	13.6
127	15.1	10.9	16.3

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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: 1.147 ng/ul

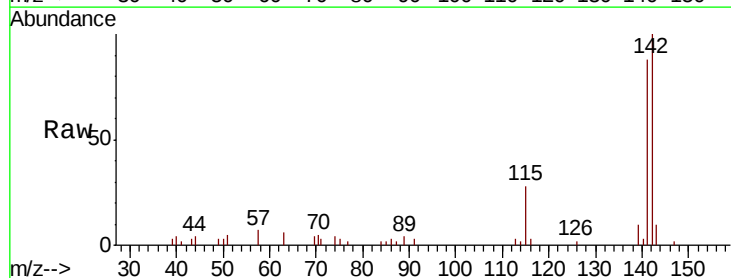
RT: 12.40 min Scan# 1584

Delta R.T. 0.00 min

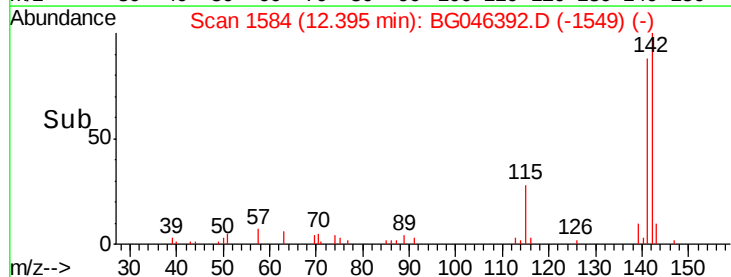
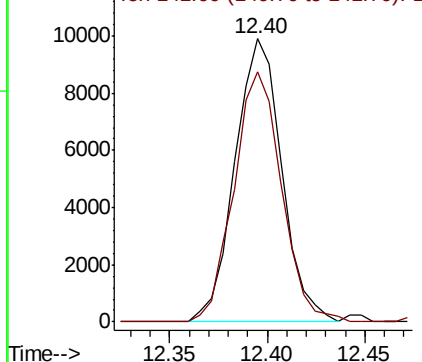
Lab File: BG046392.D

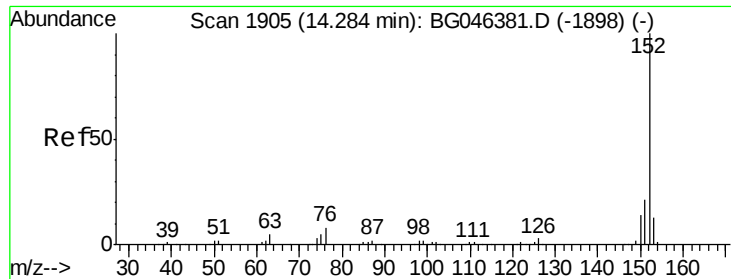
Acq: 20 Aug 2020 23:58

Tgt Ion:	142	Resp:	16425
Ion Ratio	Lower	Upper	
142	100		
141	88.5	72.5	108.7



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





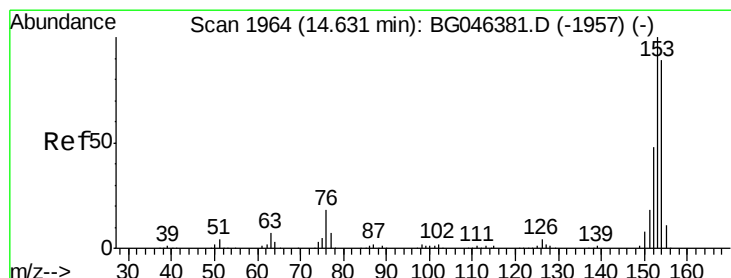
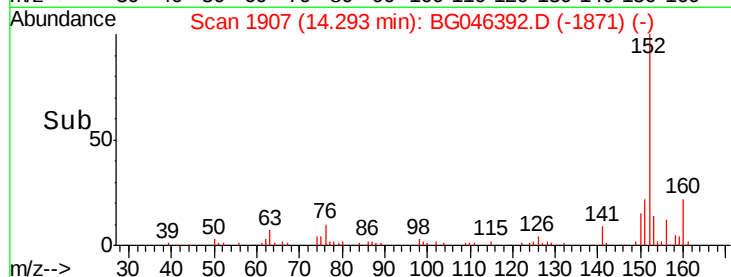
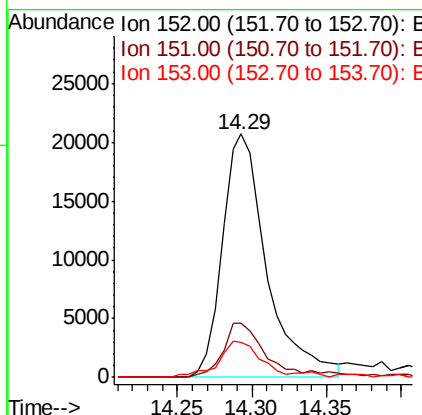
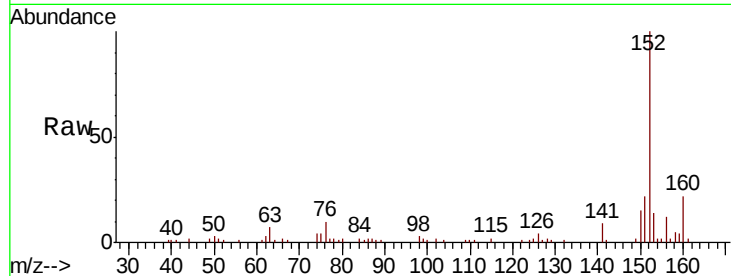
#8
Acenaphthylene
Concen: 1.902 ng/ul
RT: 14.29 min Scan# 1907
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Instrument :
BNA_G
ClientSampled :
BFMP4

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.5	24.7
153	14.2	11.0	16.6

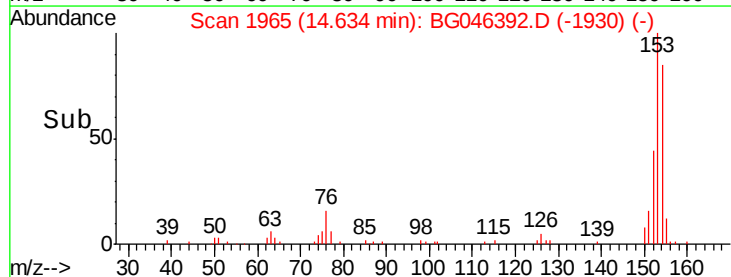
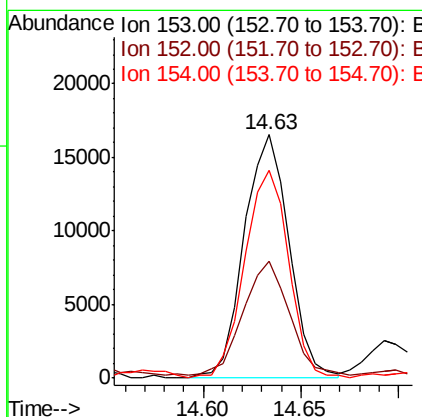
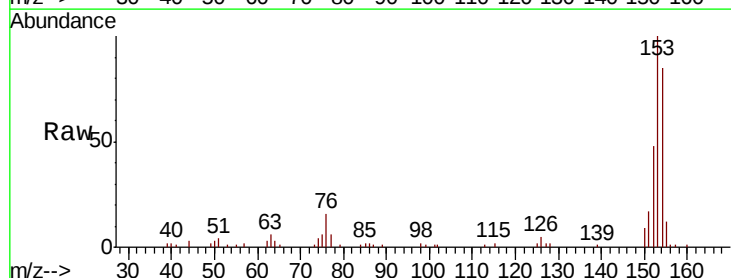
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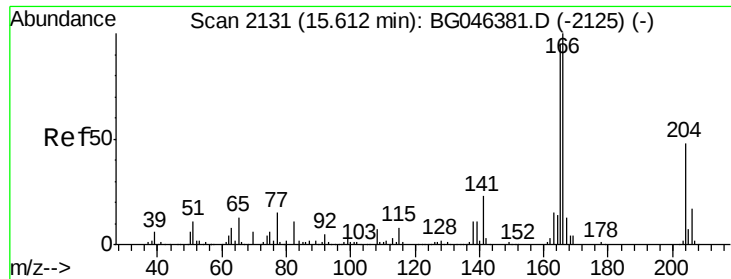
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#9
Acenaphthene
Concen: 1.628 ng/ul
RT: 14.63 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.2	37.2	55.8
154	85.2	67.8	101.6





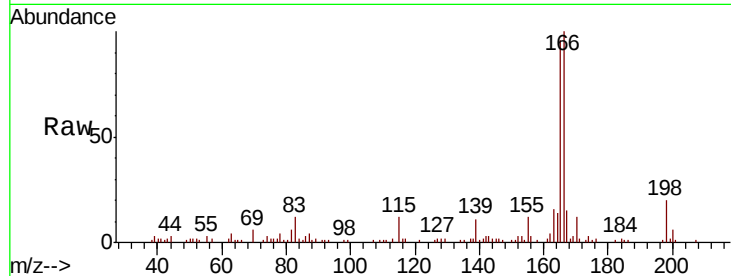
#11
Fluorene
 Concen: 1.479 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. 0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Instrument :
 BNA_G
 ClientSampleId :
 BFMP4

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.3	75.9	113.9
167	15.4	10.7	16.1

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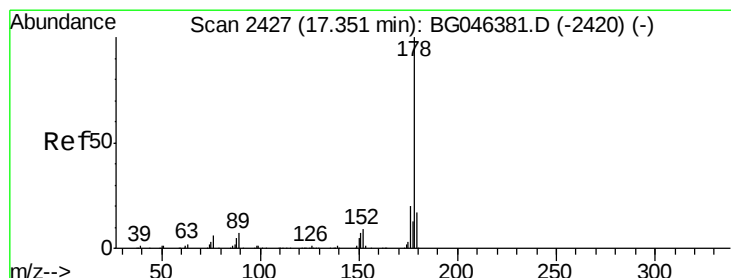
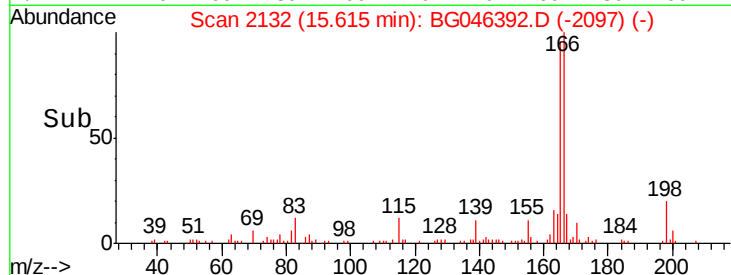
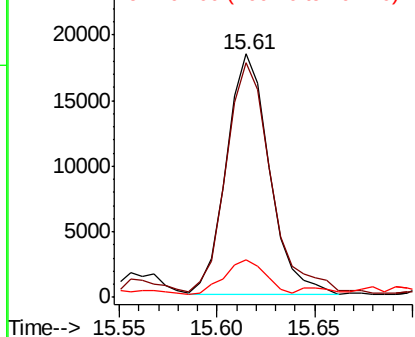


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14
Phenanthrene
 Concen: 21.564 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. 0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

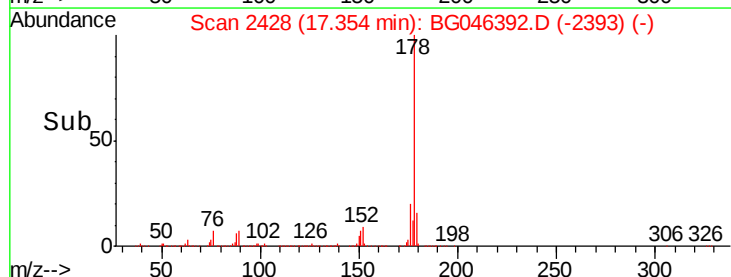
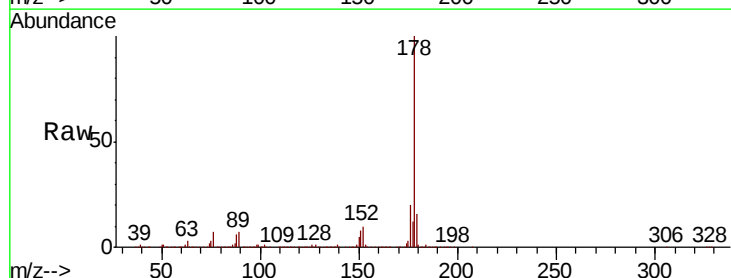
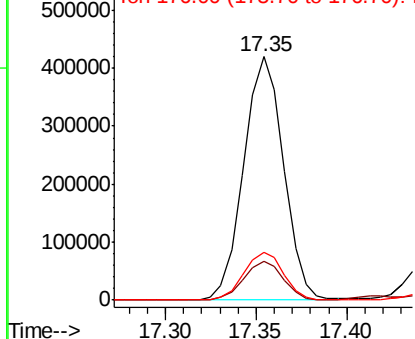
Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.8	19.2
176	19.7	15.8	23.8

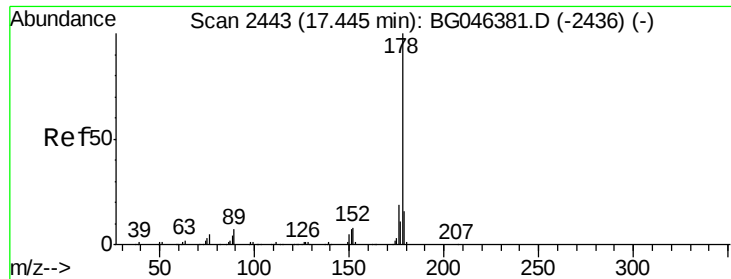
Abundance

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





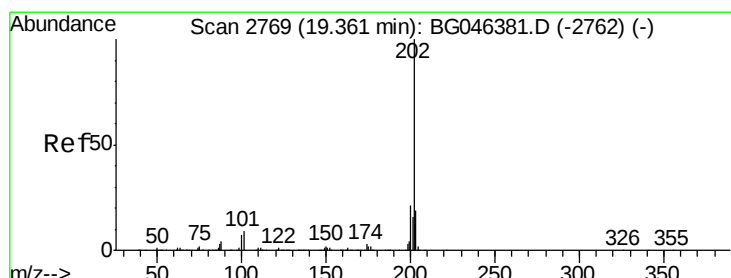
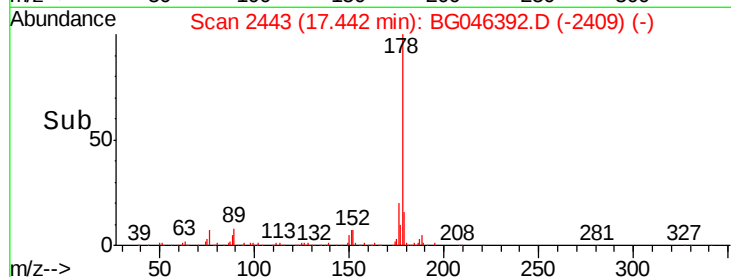
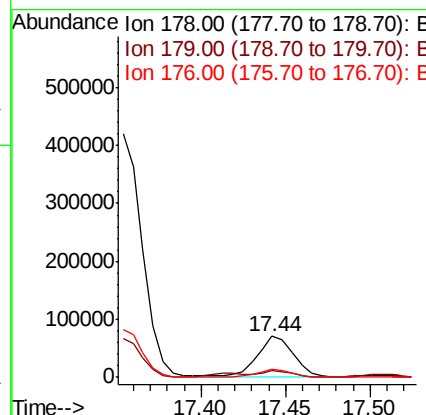
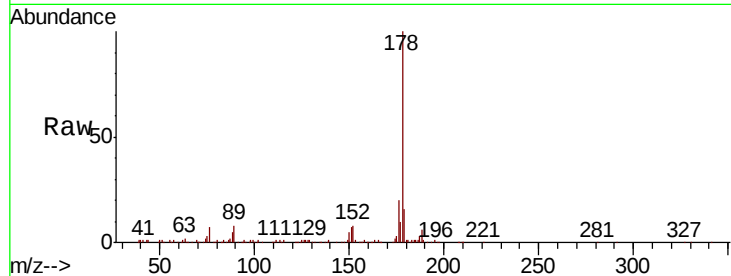
#16
 Anthracene
 Concen: 3.560 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Instrument :
 BNA_G
 ClientSampled :
 BFMP4

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

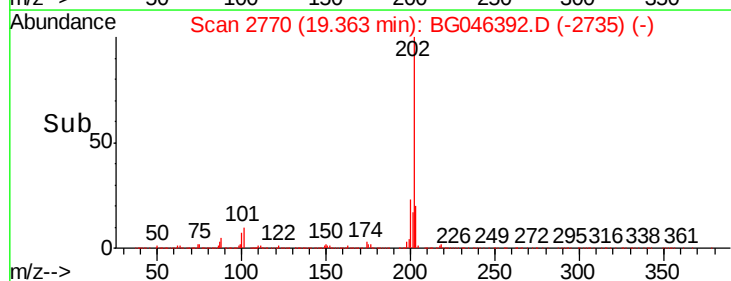
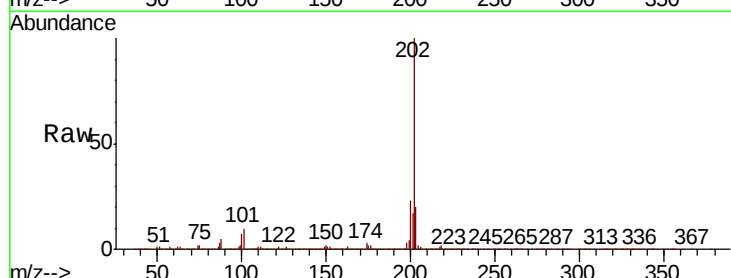
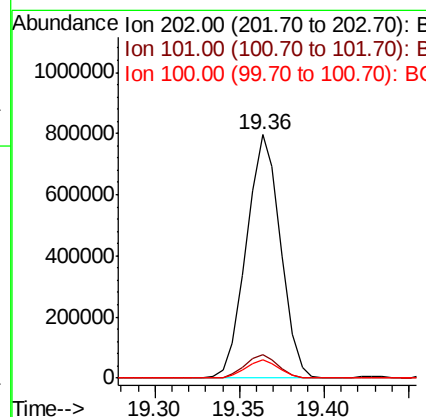
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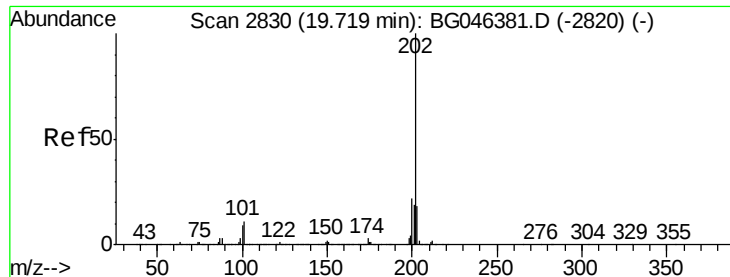
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#17
 Fluoranthene
 Concen: 33.807 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.8	11.6
100	7.5	5.9	8.9





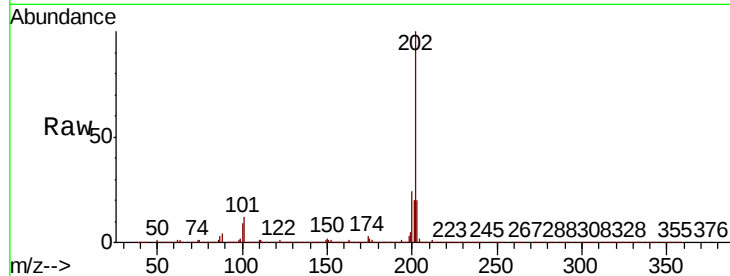
#20
Pvrene
Concen: 31.071 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Instrument :
BNA_G
ClientSampled :
BFMP4

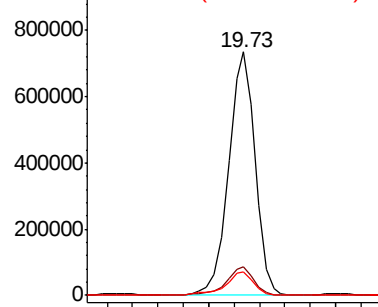
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	8.9	13.3
100	9.4	7.9	11.9

Manual Integrations
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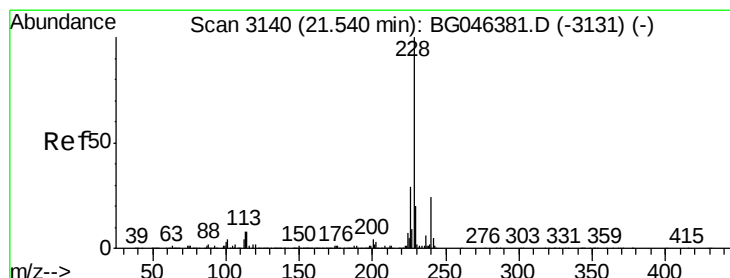
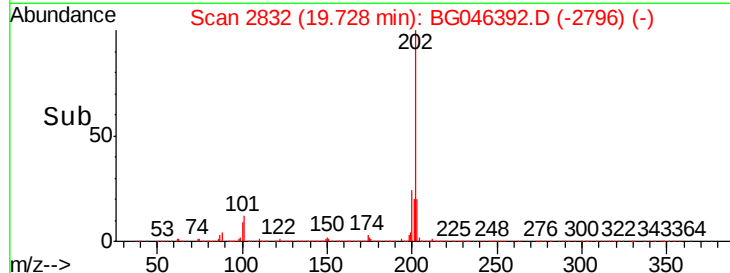
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

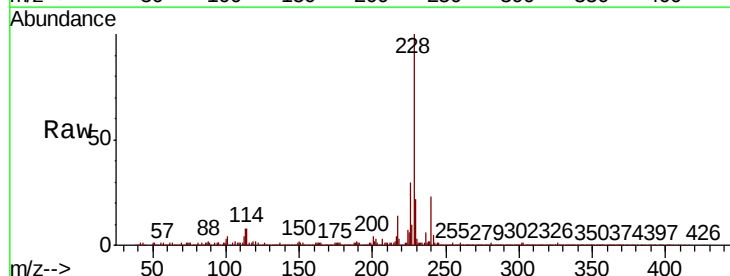


Time-->

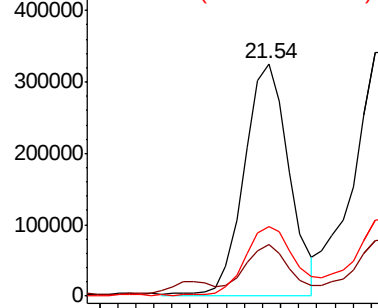


#21
Benzo(a)anthracene
Concen: 16.451 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

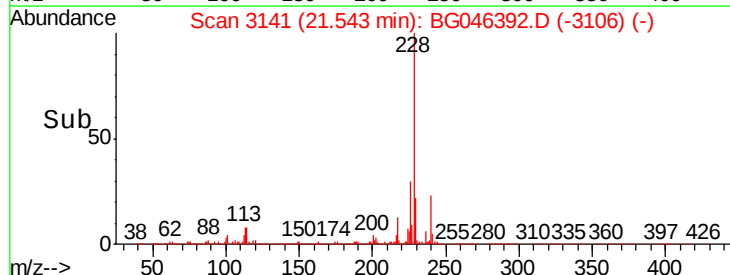
Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.3	16.6	25.0
226	30.1	22.6	33.8

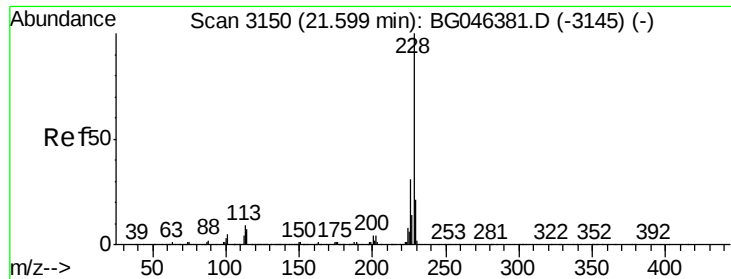


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



Time-->





#22

Chrysene

Concen: 19.213 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

Instrument :

BNA_G

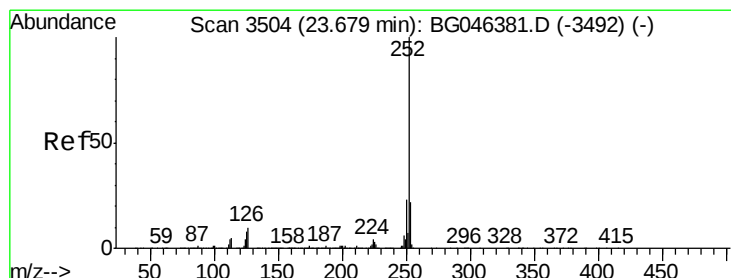
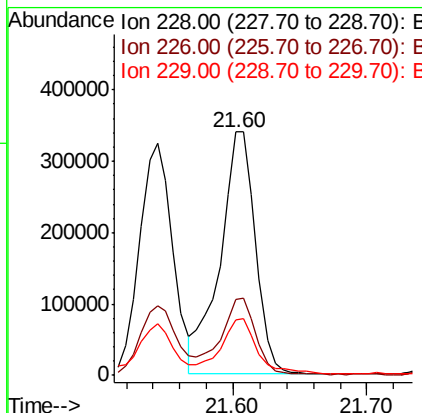
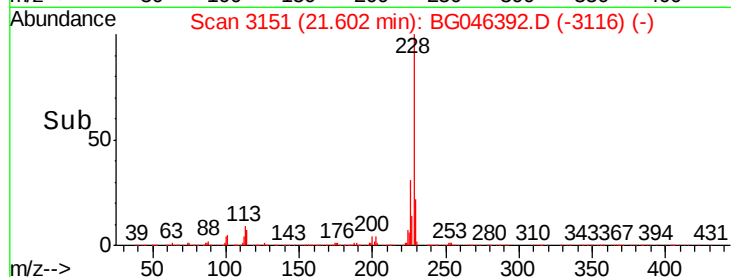
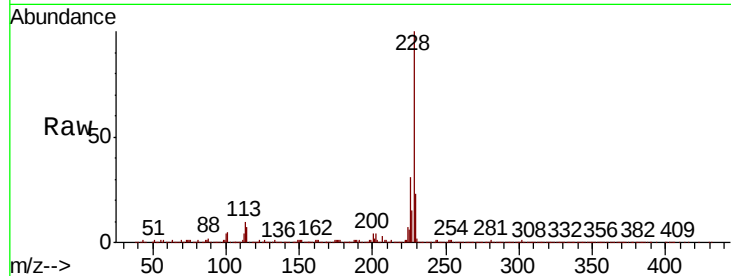
ClientSampleId :

BFMP4

Tot Ion:	228	Resp:	631722
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.5	38.3
229	22.8	17.0	25.4

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#24

Benzo(b)fluoranthene

Concen: 23.164 ng/ul

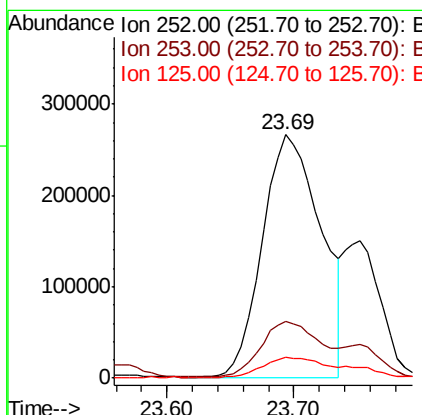
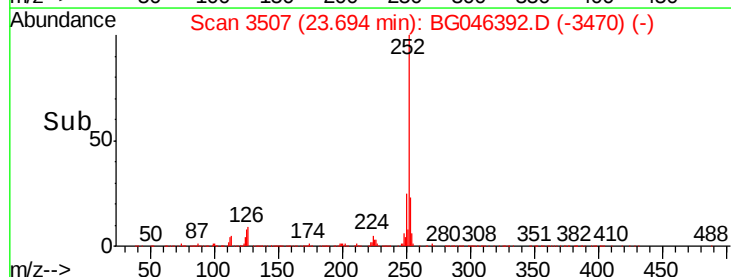
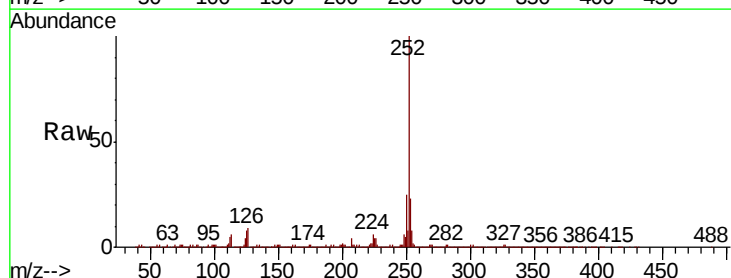
RT: 23.69 min Scan# 3507

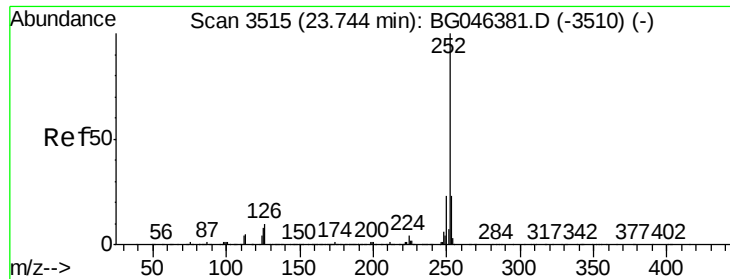
Delta R.T. 0.01 min

Lab File: BG046392.D

Acq: 20 Aug 2020 23:58

Tgt Ion:	252	Resp:	853570
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.8	26.6
125	8.5	6.4	9.6





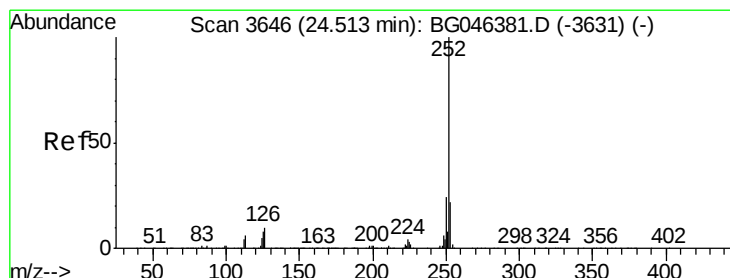
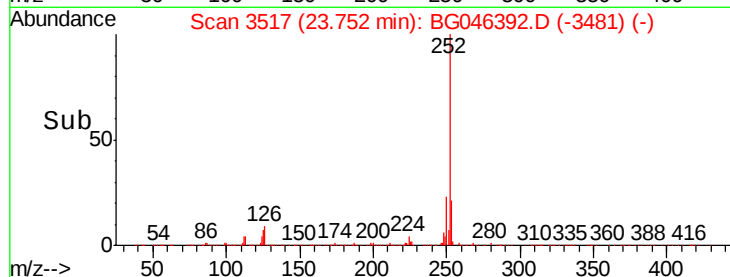
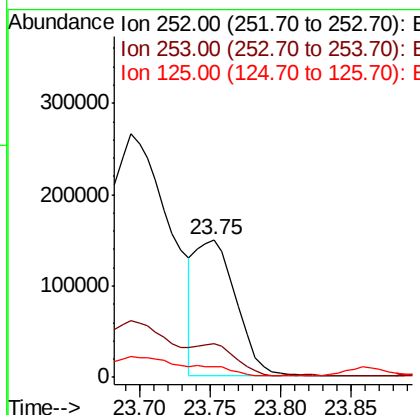
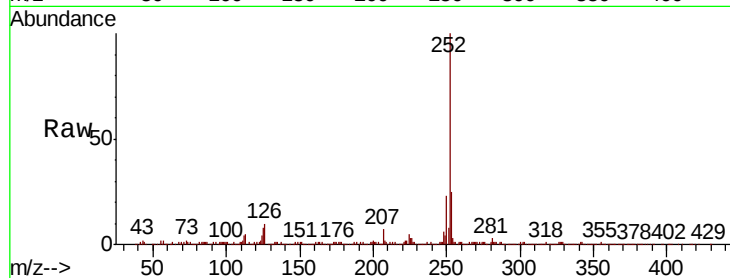
#25
Benzo(k)fluoranthene
Concen: 8.010 ng/ul m
RT: 23.75 min Scan# 3517
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Instrument :
BNA_G
ClientSampleId :
BFMP4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.5	27.7
125	8.1	6.2	9.2

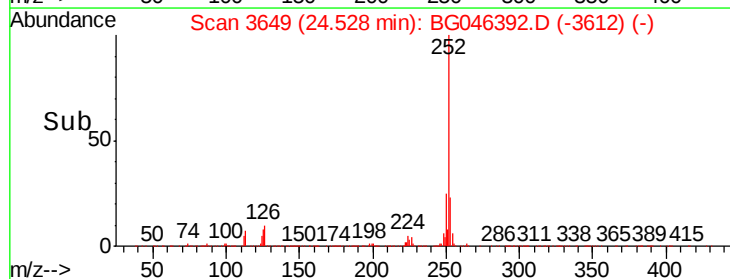
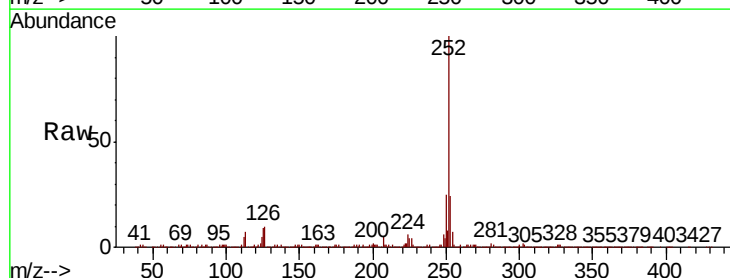
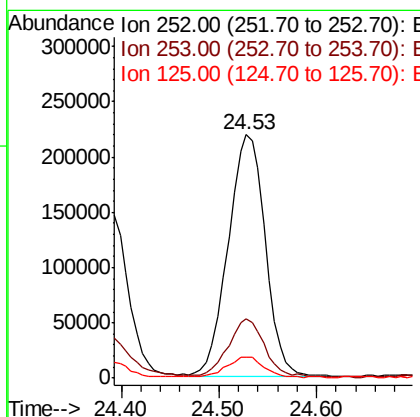
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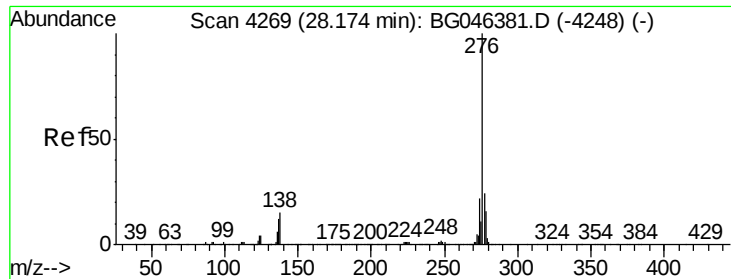
mohammad
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#27
Benzo(a)pyrene
Concen: 17.024 ng/ul
RT: 24.53 min Scan# 3649
Delta R.T. 0.01 min
Lab File: BG046392.D
Acq: 20 Aug 2020 23:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	8.8	7.1	10.7





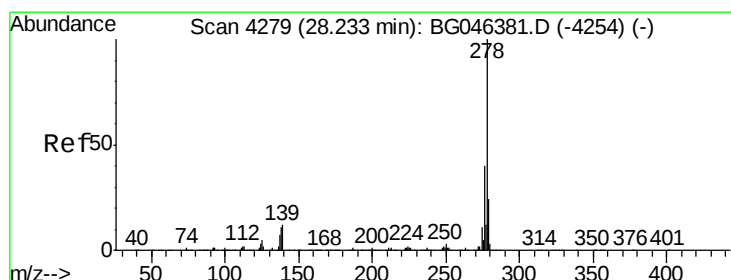
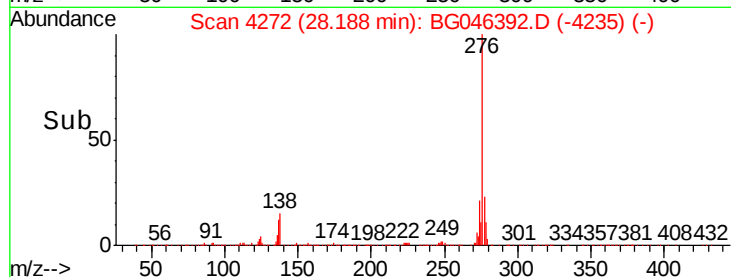
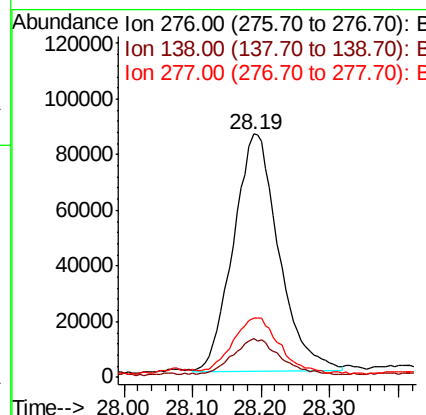
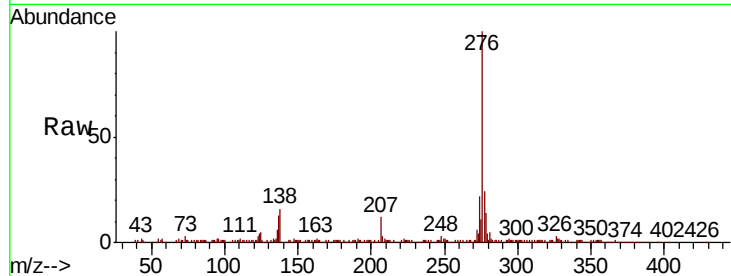
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 9.267 ng/ul
 RT: 28.19 min Scan# 4272
 Delta R.T. 0.01 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Instrument :
 BNA_G
 ClientSampleId :
 BFMP4

Tot Ion:	276	Resp:	392551
Ion Ratio	Lower	Upper	
276	100		
138	16.1	13.2	19.8
277	24.5	19.9	29.9

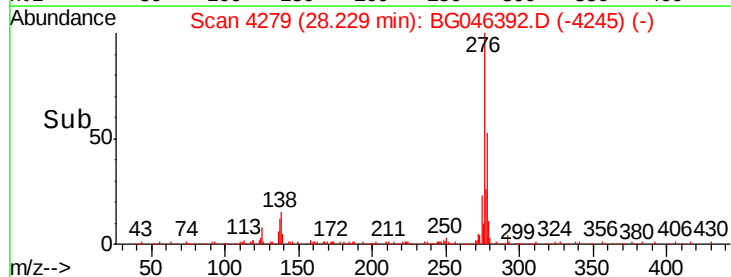
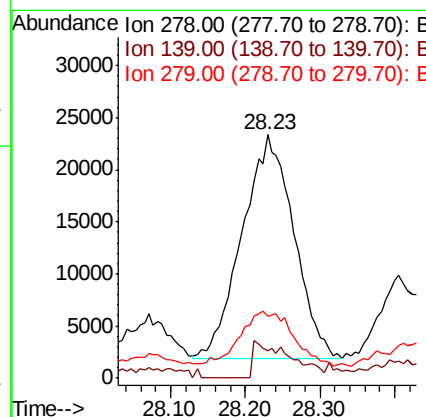
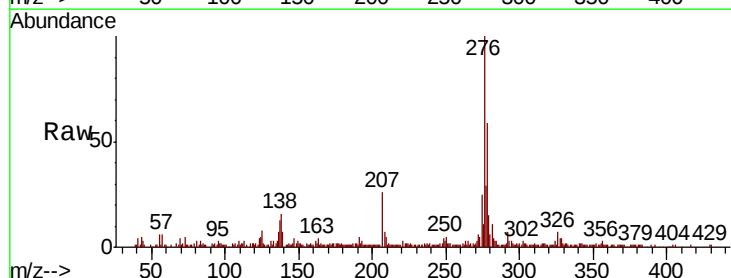
Manual Integrations
 APPROVED

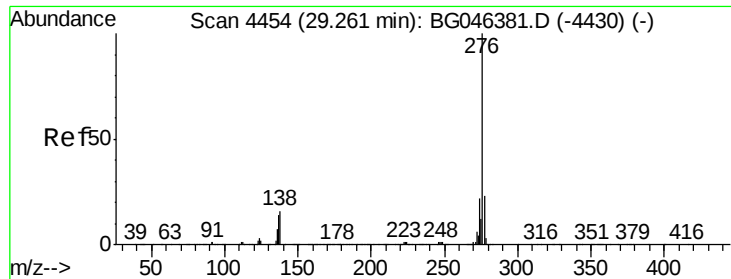
mohammad
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#29
 Dibenzo(a,h)anthracene
 Concen: 3.014 ng/ul
 RT: 28.23 min Scan# 4279
 Delta R.T. -0.00 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Tgt Ion:	278	Resp:	103520
Ion Ratio	Lower	Upper	
278	100		
139	11.4	9.8	14.8
279	25.3	19.7	29.5





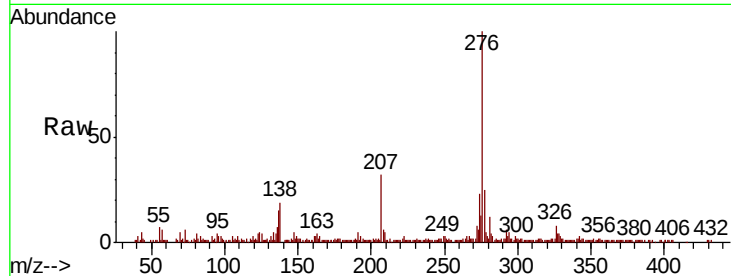
#30
 Benzo(a,h,i)perylene
 Concen: 4.820 ng/ul
 RT: 29.29 min Scan# 4459
 Delta R.T. 0.03 min
 Lab File: BG046392.D
 Acq: 20 Aug 2020 23:58

Instrument :
 BNA_G
 ClientSampleId :
 BFMP4

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.8	12.9	19.3
277	25.4	19.4	29.0

Manual Integrations
 APPROVED

mohammad
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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

