

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046377.D
 Acq On : 20 Aug 2020 13:54
 Operator : CG/JU
 Sample : L3634-18
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMG6

Manual Integrations
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Quant Time: Aug 20 14:43:41 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	81171	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	324031	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	210700	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	493615	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	498258	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	529267	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	164323	29.45	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	616327	31.78	ng/ul	0.00
10) Fluorene-d10	15.56	176	470963	31.70	ng/ul	0.00
15) Anthracene-d10	17.41	188	695187	30.38	ng/ul	0.00
19) Pyrene-d10	19.69	212	818482	31.91	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	923865	31.99	ng/ul	0.00
Target Compounds						
					Qvalue	
4) Naphthalene	10.78	128	23645	1.403	ng/ul	97
5) 2-Methylnaphthalene	12.39	142	13312	1.036	ng/ul	82
8) Acenaphthylene	14.29	152	22839	1.159	ng/ul	99
9) Acenaphthene	14.63	153	33716	2.395	ng/ul	98
11) Fluorene	15.61	166	39073	2.374	ng/ul	99
14) Phenanthrene	17.35	178	640691	23.593	ng/ul	99
16) Anthracene	17.44	178	120521	4.399	ng/ul	99
17) Fluoranthene	19.36	202	960923	31.735	ng/ul	99
20) Pyrene	19.72	202	846981	25.897	ng/ul	99
21) Benzo(a)anthracene	21.54	228	490923	15.143	ng/ul	99
22) Chrysene	21.60	228	508623	16.230	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	640625	18.304	ng/ul	97
25) Benzo(k)fluoranthene	23.74	252	271994m	7.834	ng/ul	
27) Benzo(a)pyrene	24.52	252	454552	14.146	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.18	276	300639	7.472	ng/ul	99
29) Dibenzo(a,h)anthracene	28.22	278	78687	2.412	ng/ul	97
30) Benzo(a,h,i)perylene	29.27	276	151409	4.497	ng/ul	98

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

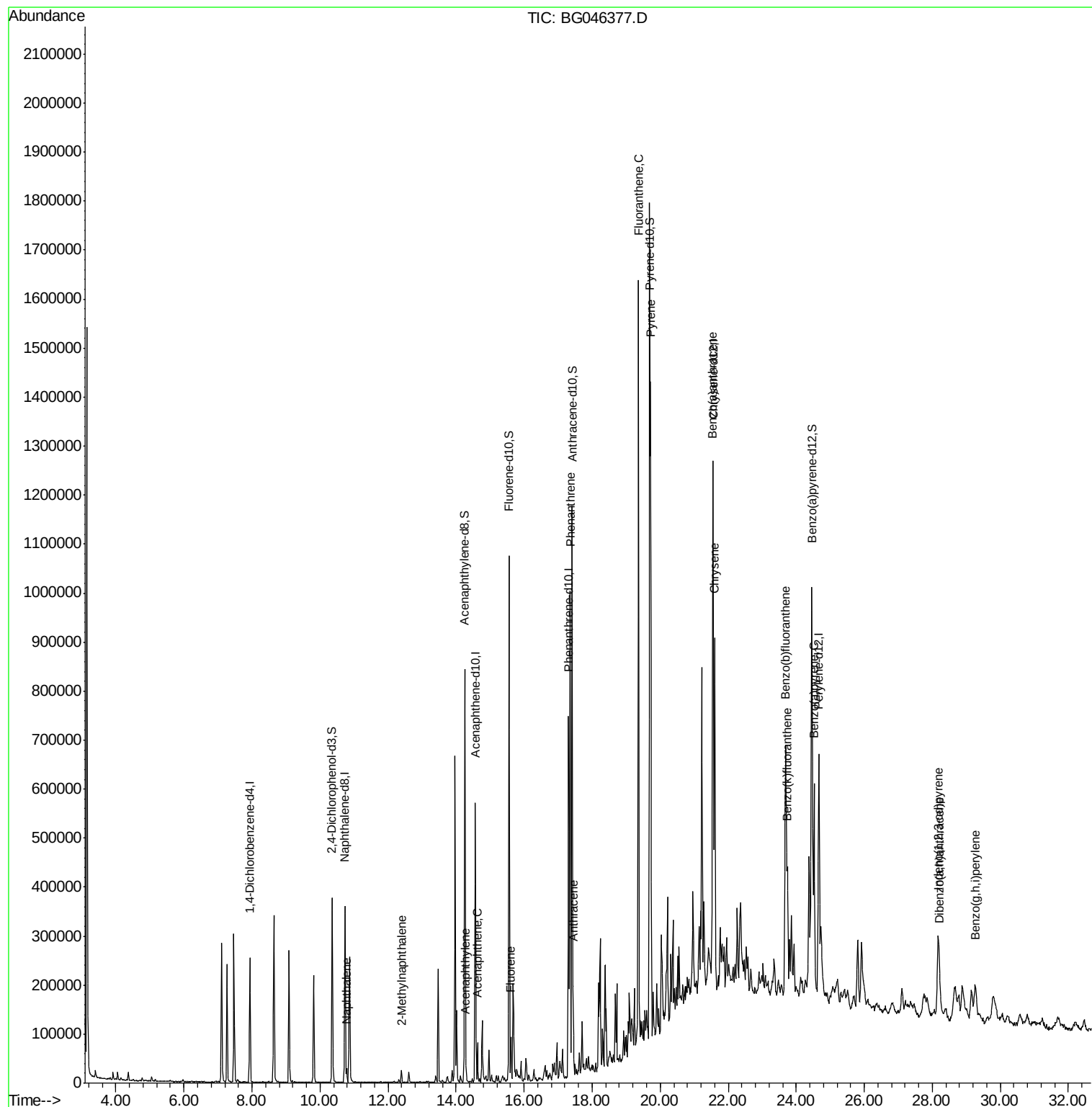
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
Data File : BG046377.D
Acq On : 20 Aug 2020 13:54
Operator : CG/JU
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ALS Vial : 41 Sample Multiplier: 1

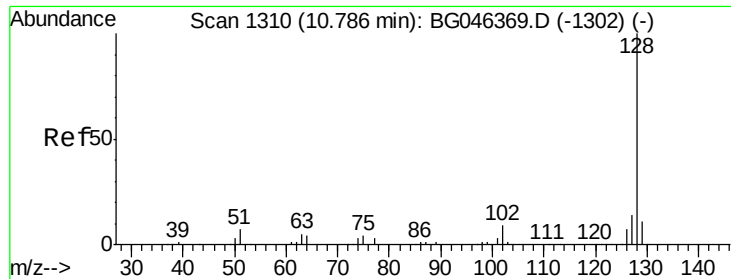
Instrument :
BNA_G
ClientSampleId :
BFMG6

Quant Time: Aug 20 14:43:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
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#4

Naphthalene

Concen: 1.403 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG046377.D

Acq: 20 Aug 2020 13:54

Instrument :

BNA_G

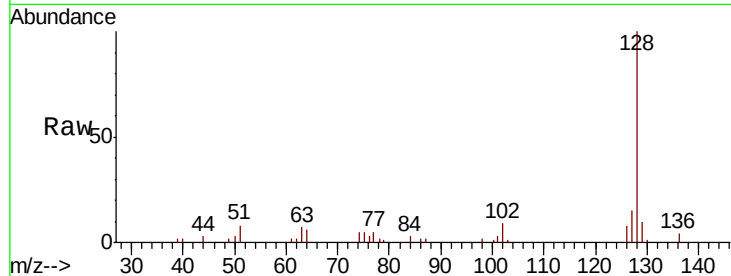
ClientSampleId :

BFMG6

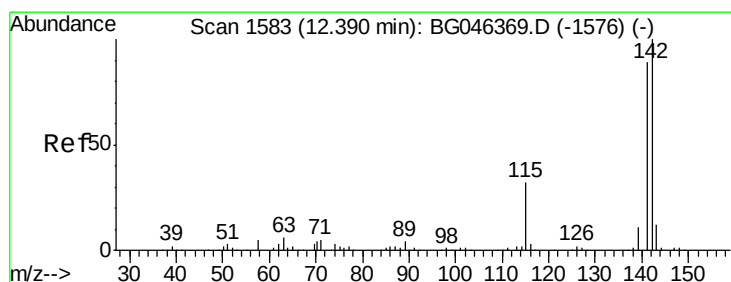
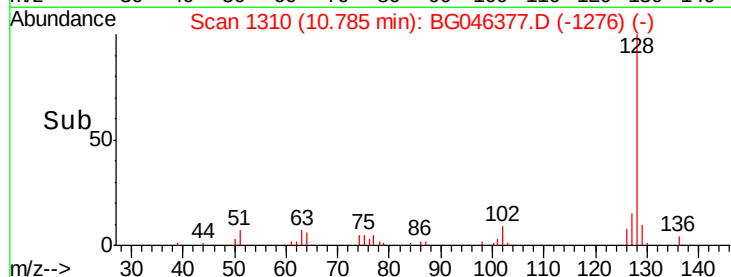
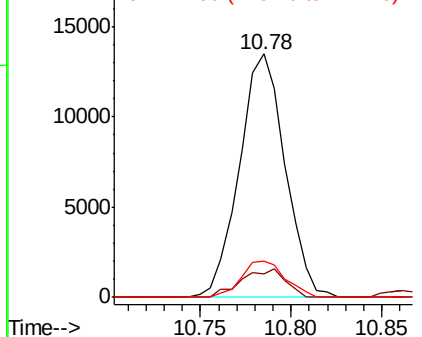
Tot Ion:	128	Resp:	23645
Ion Ratio	Lower	Upper	
128	100		
129	9.7	9.0	13.6
127	14.7	10.9	16.3

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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: 1.036 ng/ul

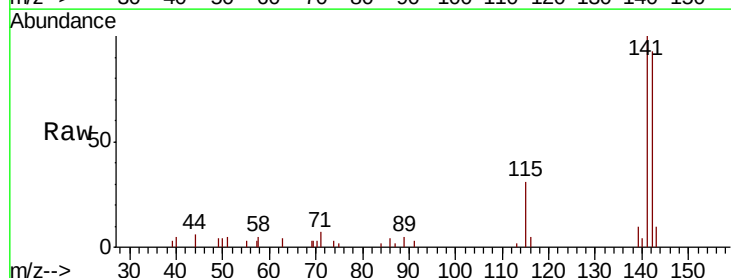
RT: 12.39 min Scan# 1584

Delta R.T. 0.00 min

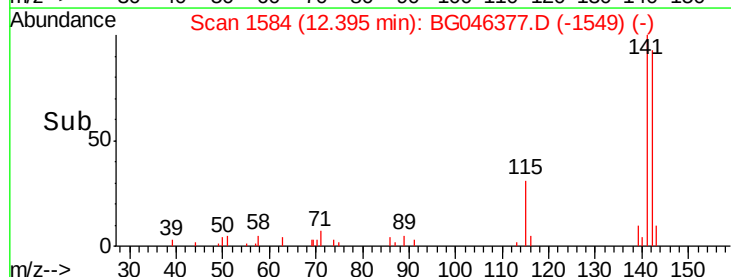
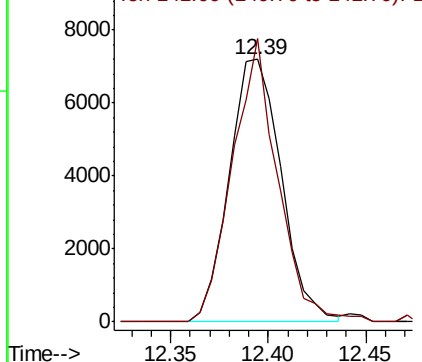
Lab File: BG046377.D

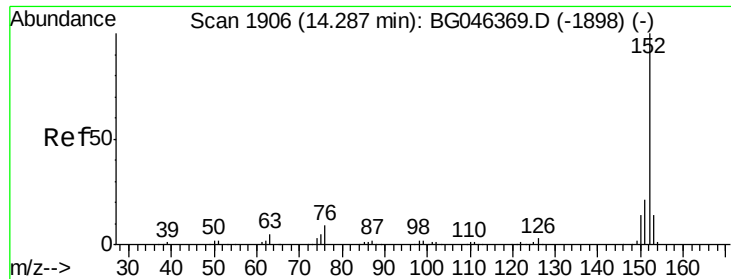
Acq: 20 Aug 2020 13:54

Tgt Ion:	142	Resp:	13312
Ion Ratio	Lower	Upper	
142	100		
141	107.9	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: 1.159 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BG046377.D

Acq: 20 Aug 2020 13:54

Instrument :

BNA_G

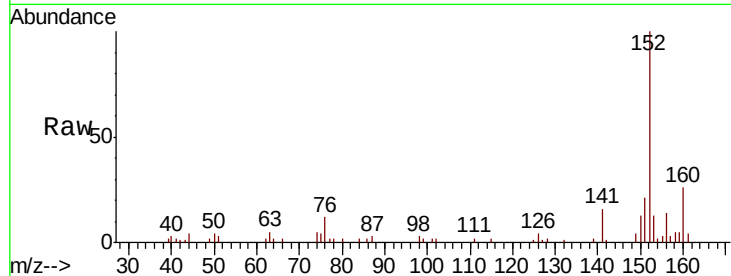
ClientSampleId :

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Tot Ion:	152	Resp:	22839
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.5	24.7
153	13.4	11.0	16.6

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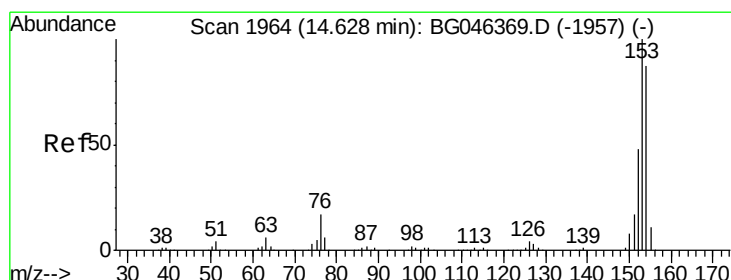
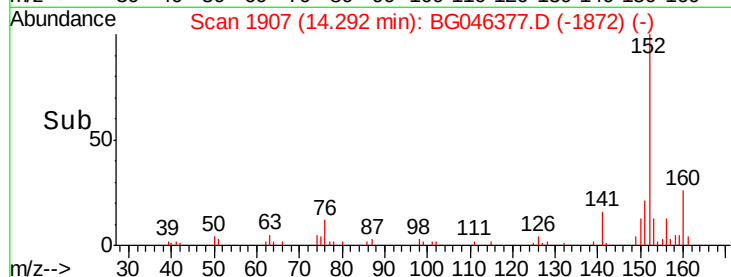
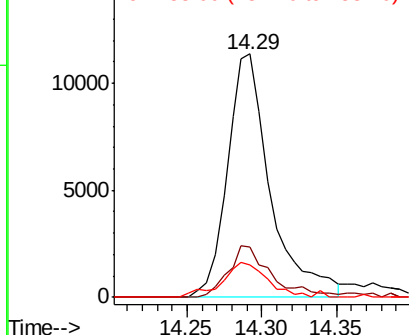


Abundance

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: 2.395 ng/ul

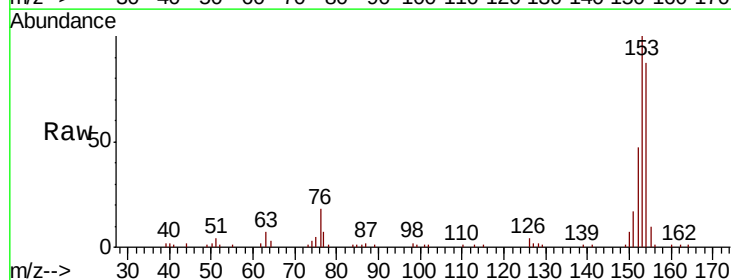
RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046377.D

Acq: 20 Aug 2020 13:54

Tgt Ion:	153	Resp:	33716
Ion Ratio	Lower	Upper	
153	100		
152	47.4	37.2	55.8
154	86.7	67.8	101.6

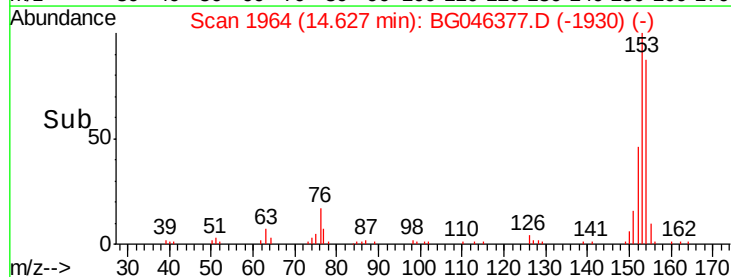
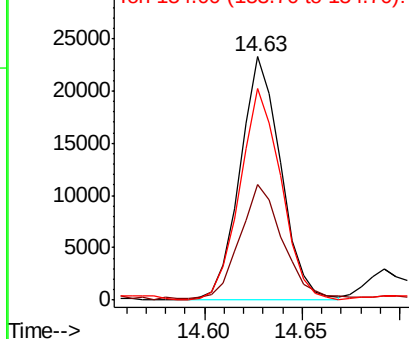


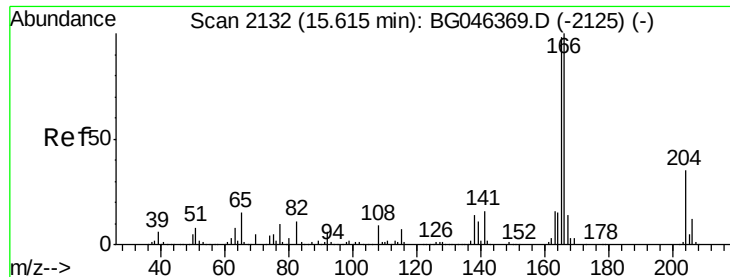
Abundance

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





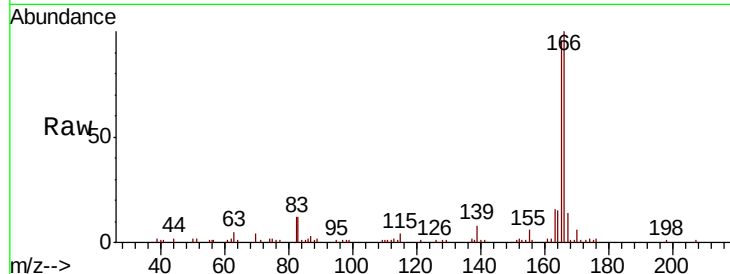
#11
Fluorene
Concen: 2.374 ng/ul
RT: 15.61 min Scan# 2132
Delta R.T. -0.00 min
Lab File: BG046377.D
Acq: 20 Aug 2020 13:54

Instrument :
BNA_G
ClientSampleId :
BFMG6

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.7	75.9	113.9
167	13.6	10.7	16.1

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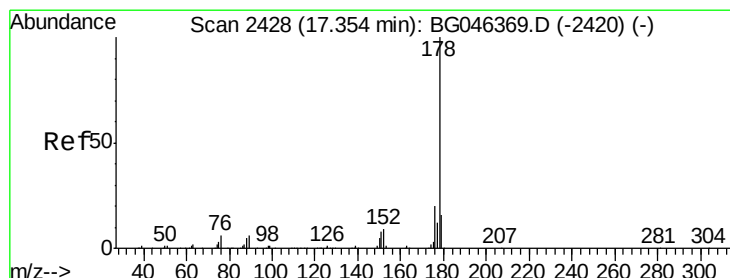
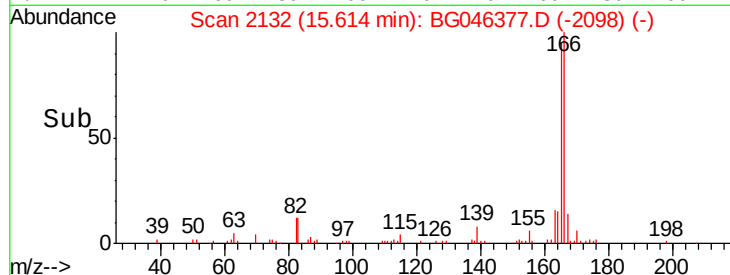
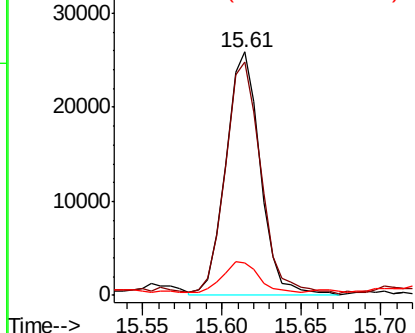


Abundance

Ion 166.00 (165.70 to 166.70): E

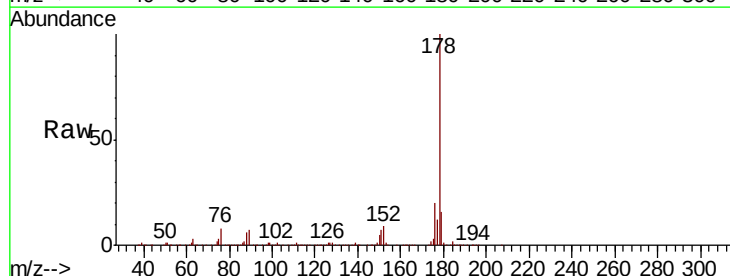
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14
Phenanthrene
Concen: 23.593 ng/ul
RT: 17.35 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BG046377.D
Acq: 20 Aug 2020 13:54

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.8	19.2
176	20.1	15.8	23.8

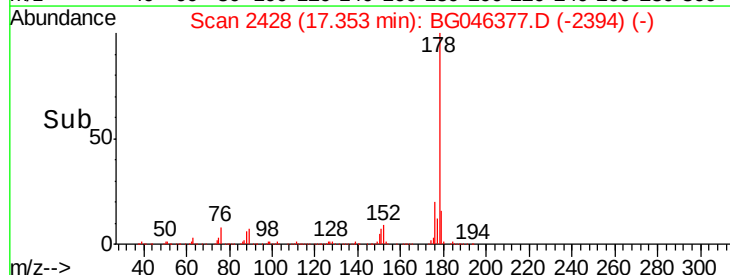
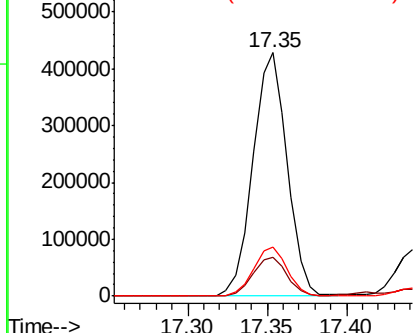


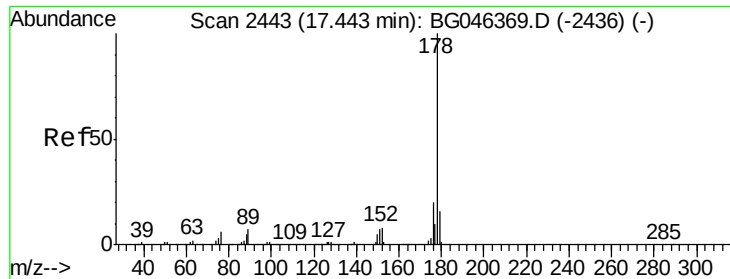
Abundance

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





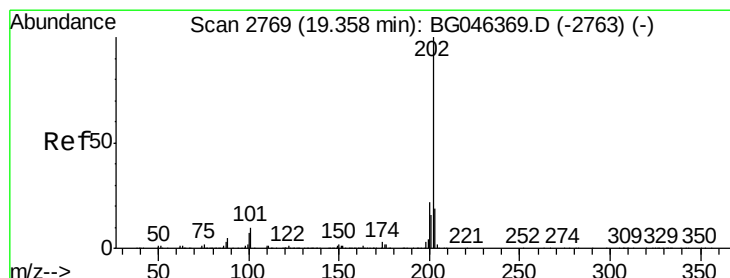
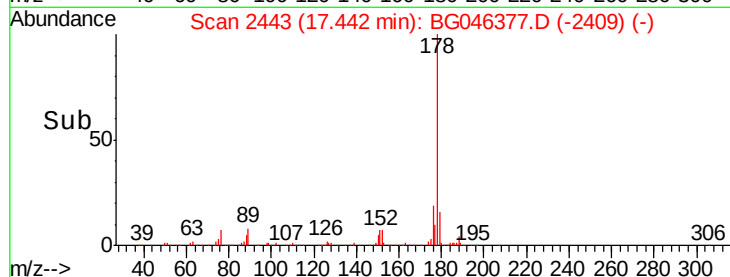
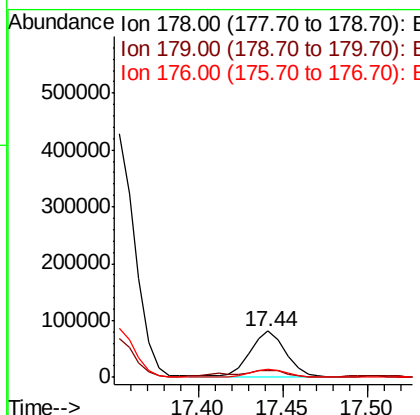
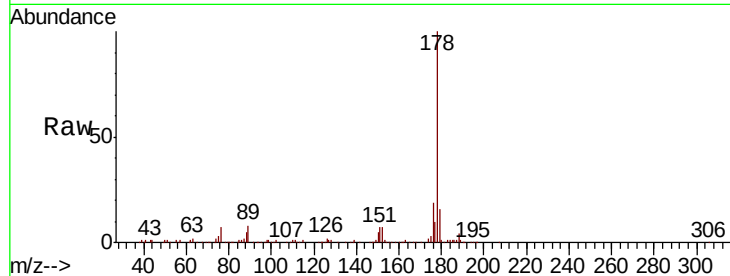
#16
 Anthracene
 Concen: 4.399 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.00 min
 Lab File: BG046377.D
 Acq: 20 Aug 2020 13:54

Instrument :
 BNA_G
 ClientSampleId :
 BFMG6

Tot Ion:	178	Resp:	120521
Ion Ratio	Lower	Upper	
178	100		
179	15.9	13.2	19.8
176	18.7	15.2	22.8

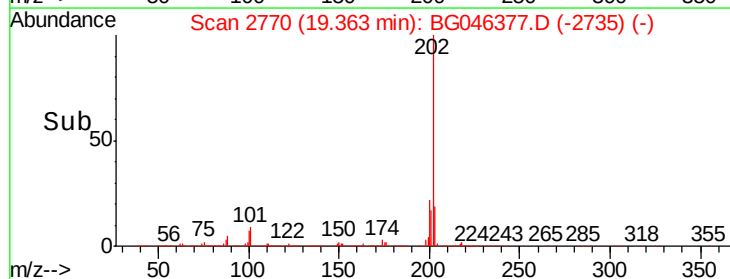
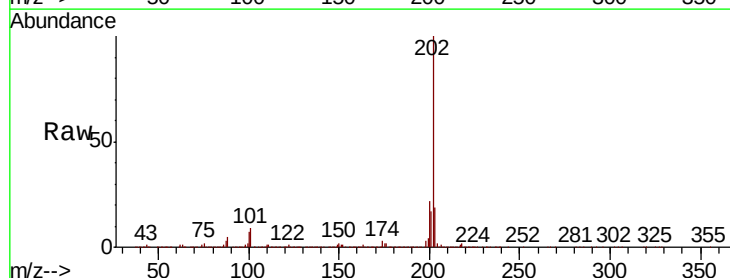
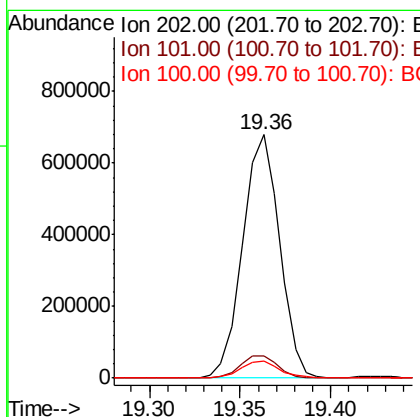
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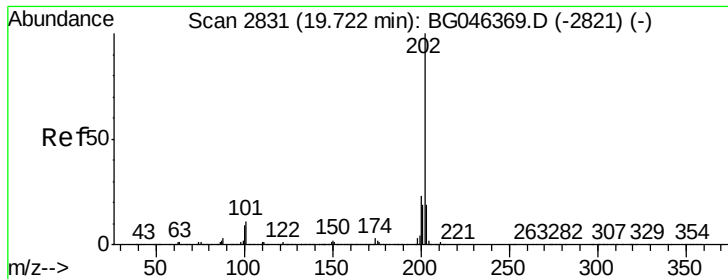
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#17
 Fluoranthene
 Concen: 31.735 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046377.D
 Acq: 20 Aug 2020 13:54

Tgt Ion:	202	Resp:	960923
Ion Ratio	Lower	Upper	
202	100		
101	9.2	7.8	11.6
100	7.2	5.9	8.9





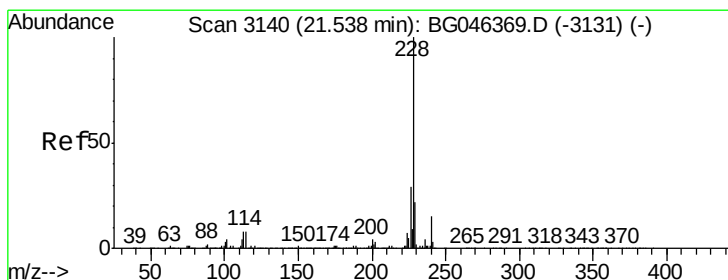
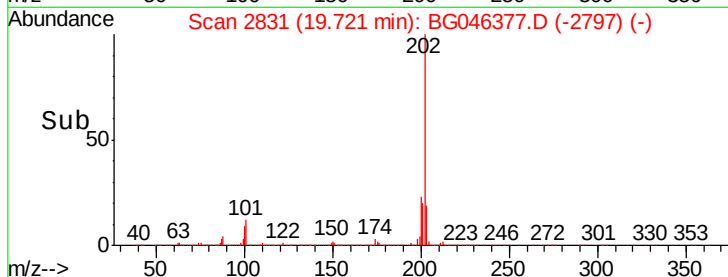
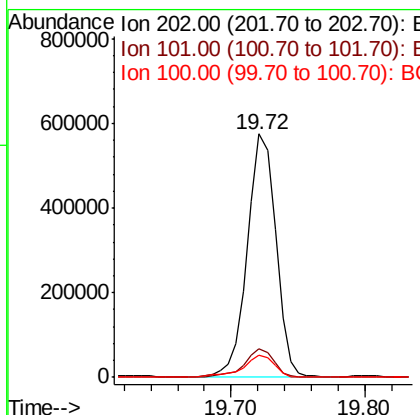
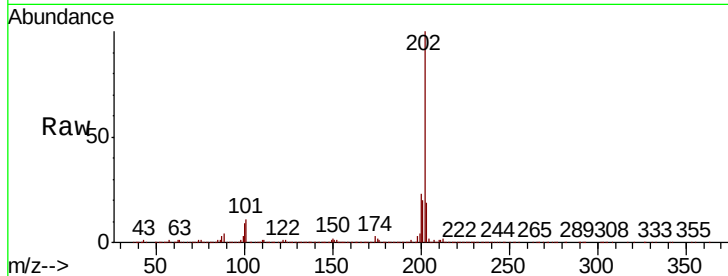
#20
Pvrene
Concen: 25.897 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG046377.D
Acq: 20 Aug 2020 13:54

Instrument :
BNA_G
ClientSampleId :
BFMG6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		846981		
101	11.5	8.9	13.3		
100	9.3	7.9	11.9		

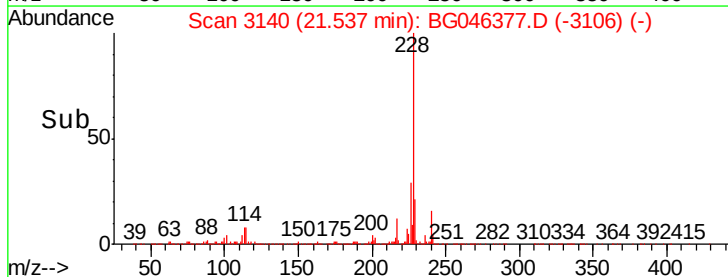
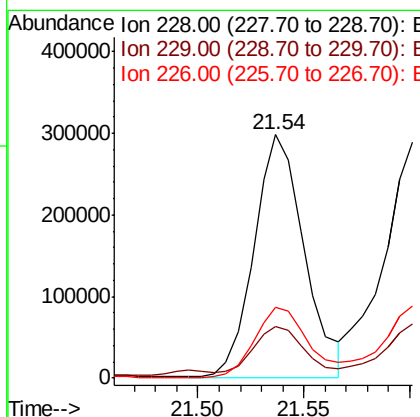
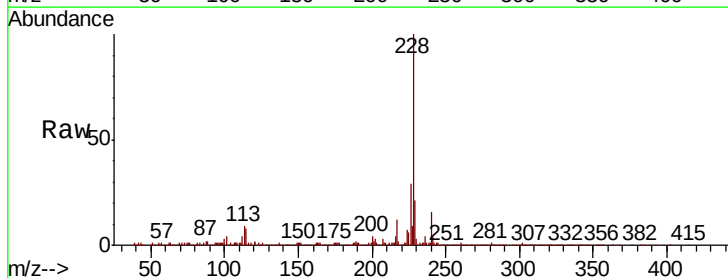
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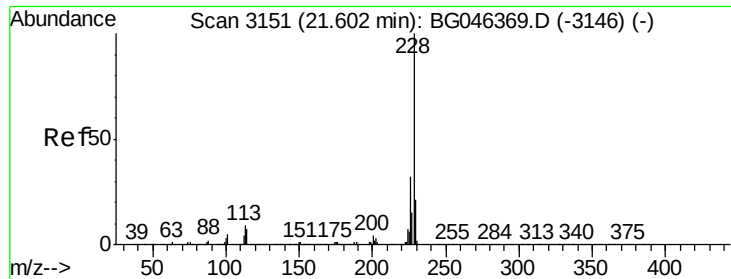
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#21
Benzo(a)anthracene
Concen: 15.143 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. -0.00 min
Lab File: BG046377.D
Acq: 20 Aug 2020 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		490923		
229	21.2	16.6	25.0		
226	29.1	22.6	33.8		





#22

Chrysene

Concen: 16.230 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG046377.D

Acq: 20 Aug 2020 13:54

Instrument :

BNA_G

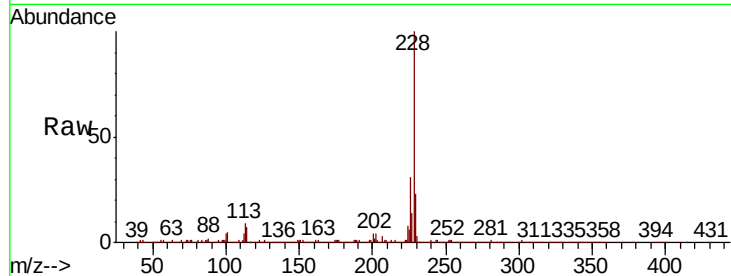
ClientSampleId :

BFMG6

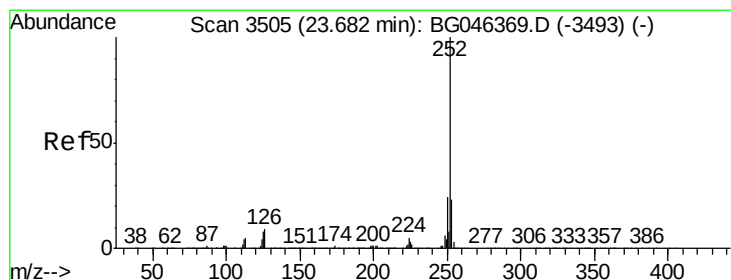
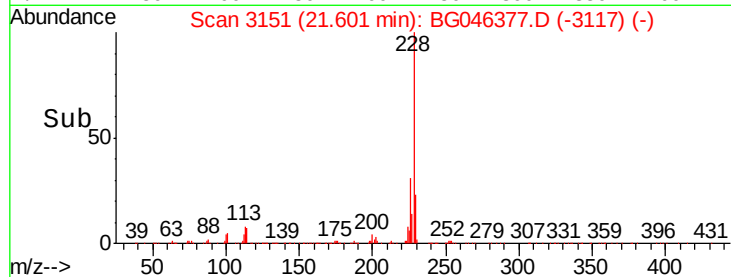
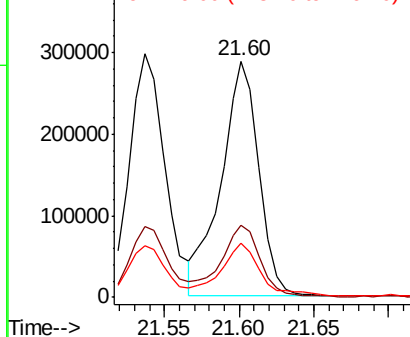
Tot Ion:	228	Resp:	508623
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.5	38.3
229	23.1	17.0	25.4

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



#24

Benzo(b)fluoranthene

Concen: 18.304 ng/ul

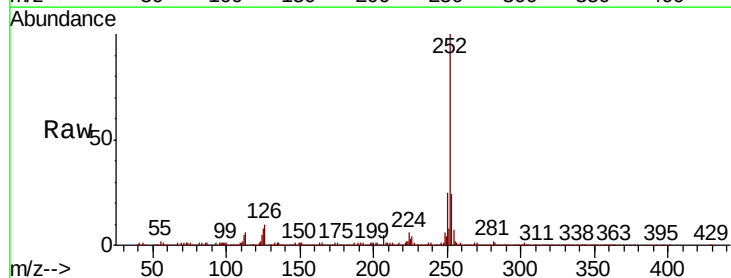
RT: 23.69 min Scan# 3506

Delta R.T. 0.00 min

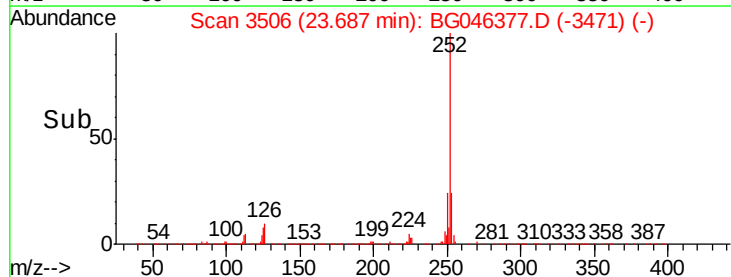
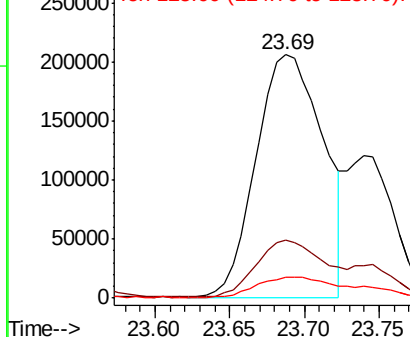
Lab File: BG046377.D

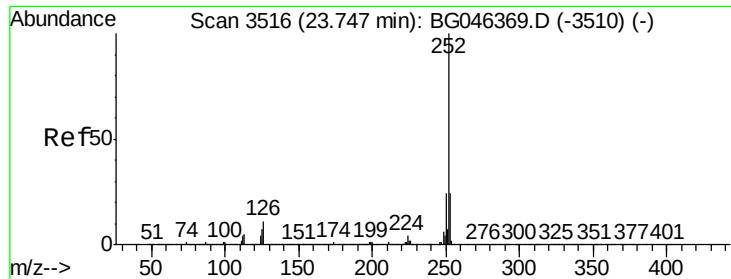
Acq: 20 Aug 2020 13:54

Tgt Ion:	252	Resp:	640625
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.8	26.6
125	8.5	6.4	9.6



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





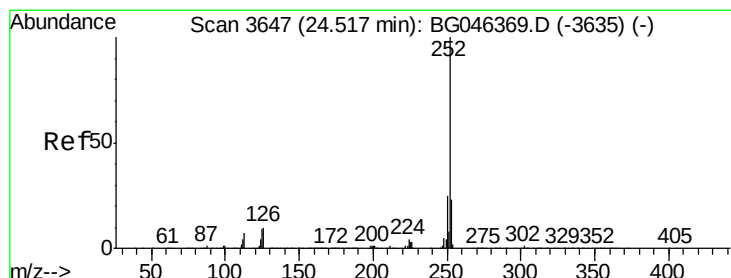
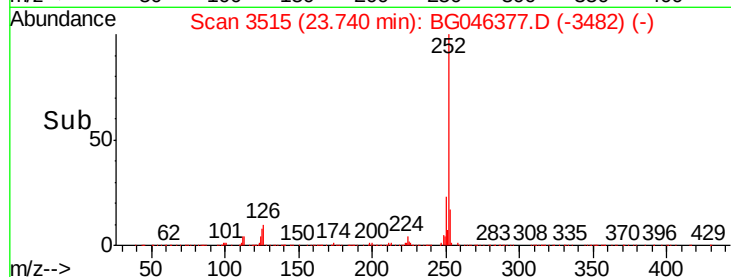
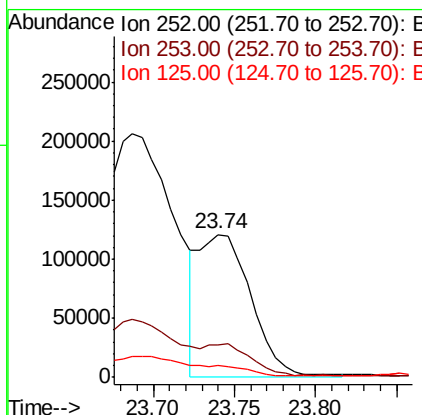
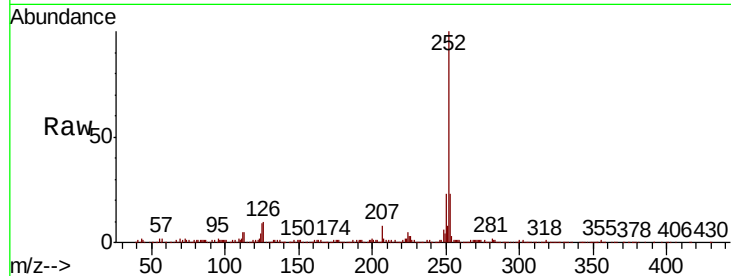
#25
Benzo(k)fluoranthene
Concen: 7.834 ng/ul m
RT: 23.74 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BG046377.D
Acq: 20 Aug 2020 13:54

Instrument :
BNA_G
ClientSampleId :
BFMG6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	8.6	6.2	9.2

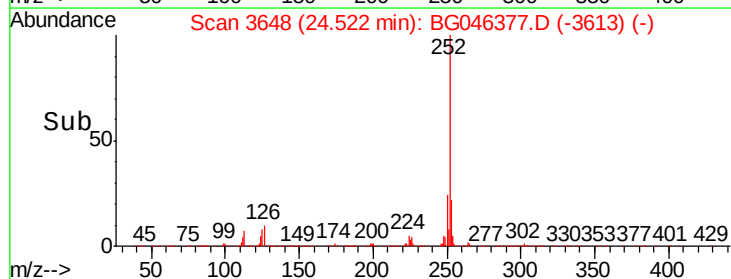
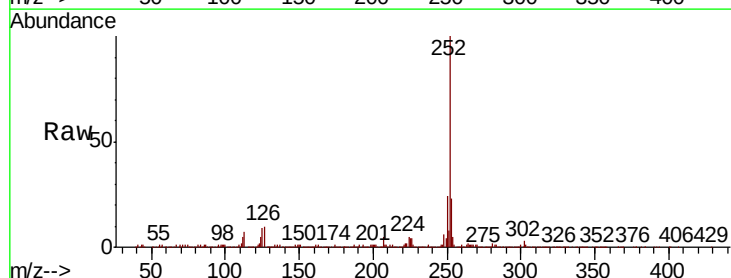
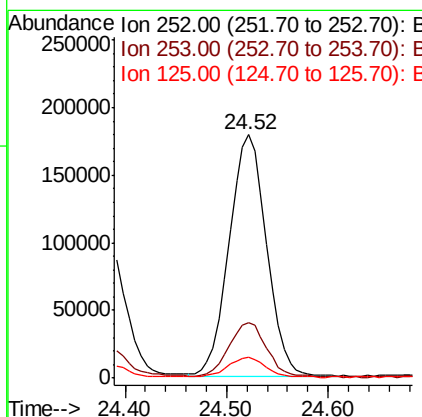
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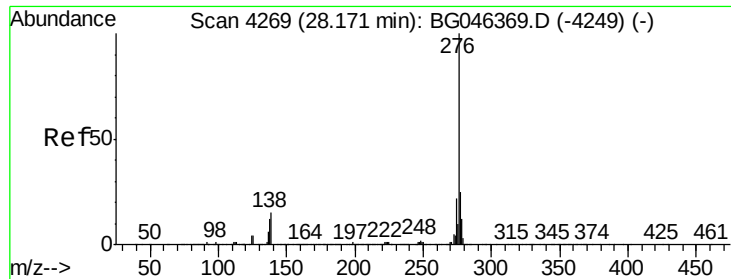
mohammad
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#27
Benzo(a)pyrene
Concen: 14.146 ng/ul
RT: 24.52 min Scan# 3648
Delta R.T. 0.00 min
Lab File: BG046377.D
Acq: 20 Aug 2020 13:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	8.8	7.1	10.7





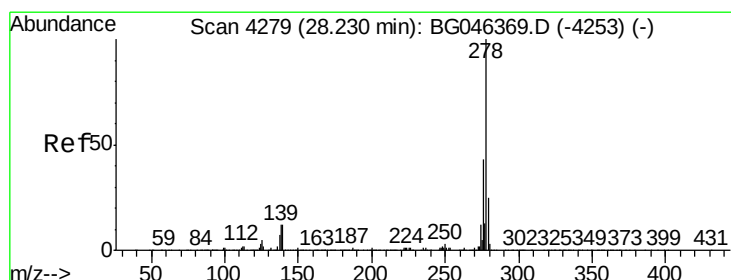
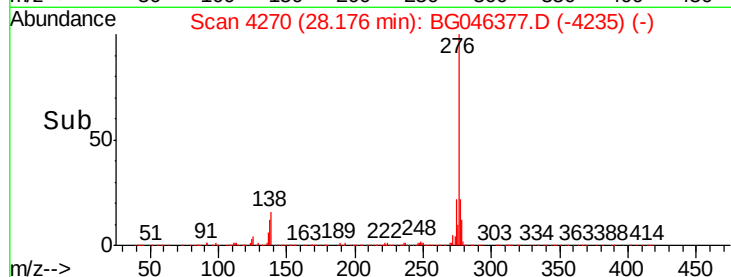
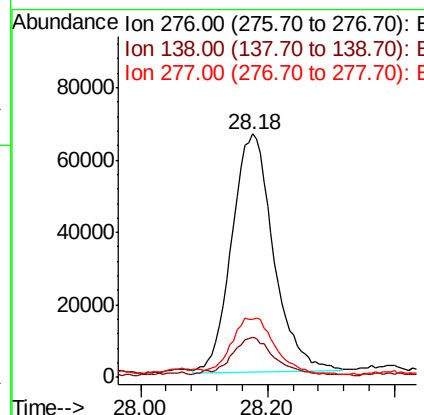
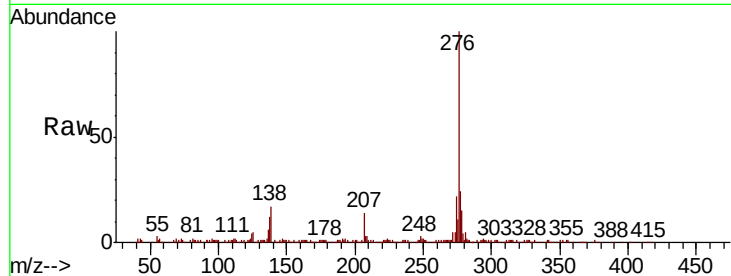
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 7.472 ng/ul
 RT: 28.18 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: BG046377.D
 Acq: 20 Aug 2020 13:54

Instrument :
 BNA_G
 ClientSampleId :
 BFMG6

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	13.2	19.8
277	24.0	19.9	29.9

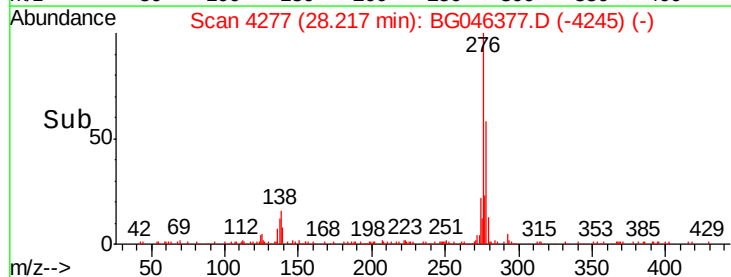
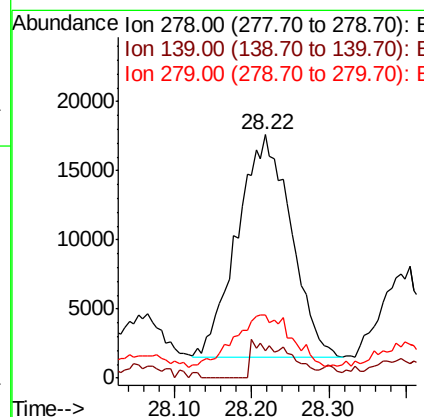
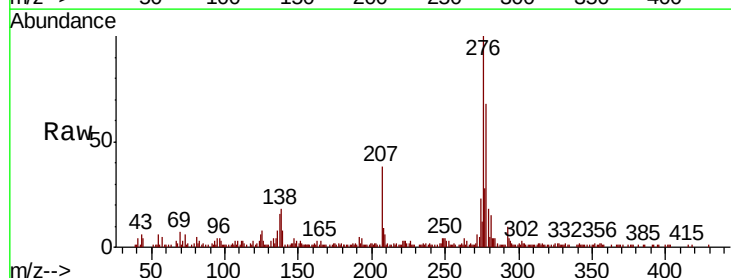
Manual Integrations
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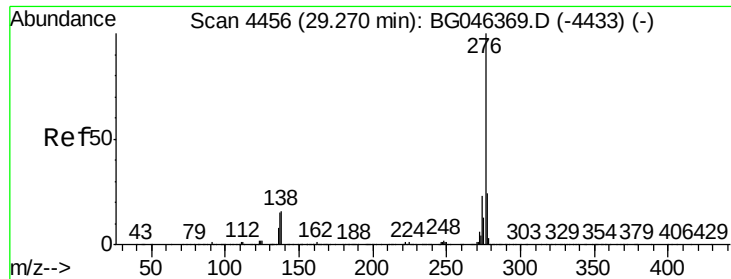
mohammad
 8/21/2020 12:47:15 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 2.412 ng/ul
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.01 min
 Lab File: BG046377.D
 Acq: 20 Aug 2020 13:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.3	9.8	14.8
279	26.0	19.7	29.5





#30
 Benzo(a,h,i)perylene
 Concen: 4.497 ng/ul
 RT: 29.27 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: BG046377.D
 Acq: 20 Aug 2020 13:54

Instrument :
 BNA_G
 ClientSampleId :
 BFMG6

Tot Ion:	276	Resp:	151409
Ion Ratio	Lower	Upper	
276	100		
138	16.2	12.9	19.3
277	23.0	19.4	29.0

Manual Integrations
 APPROVED

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