

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046345.D
 Acq On : 19 Aug 2020 13:25
 Operator : CG/JU
 Sample : L3633-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFME4

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Quant Time: Aug 19 15:51:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 19 11:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	90821	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	369064	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	245929	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	545184	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	529438	20.00	ng/ul	0.00
23) Perylene-d12	24.67	264	568198	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	210447	33.12	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	780059	34.47	ng/ul	0.00
10) Fluorene-d10	15.56	176	598251	34.49	ng/ul	0.00
15) Anthracene-d10	17.41	188	862960	34.15	ng/ul	0.00
19) Pyrene-d10	19.69	212	970397	35.61	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.46	264	1098311	35.42	ng/ul	0.02
Target Compounds						
					Qvalue	
8) Acenaphthylene	14.29	152	33362	1.450	ng/ul	97
9) Acenaphthene	14.63	153	22810	1.388	ng/ul	96
11) Fluorene	15.61	166	26666	1.388	ng/ul	98
14) Phenanthrene	17.35	178	643902	21.469	ng/ul	99
16) Anthracene	17.44	178	109552	3.620	ng/ul	99
17) Fluoranthene	19.36	202	1072526	32.070	ng/ul	100
20) Pyrene	19.72	202	1026787	29.546	ng/ul	99
21) Benzo(a)anthracene	21.54	228	594890	17.270	ng/ul	96
22) Chrysene	21.60	228	646332	19.409	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	915488	24.365	ng/ul	97
25) Benzo(k)fluoranthene	23.74	252	278860m	7.482	ng/ul	
27) Benzo(a)pyrene	24.52	252	631273	18.300	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.18	276	447565	10.362	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	129747m	3.705	ng/ul	
30) Benzo(a,h,i)perylene	29.27	276	365035	10.098	ng/ul	98

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

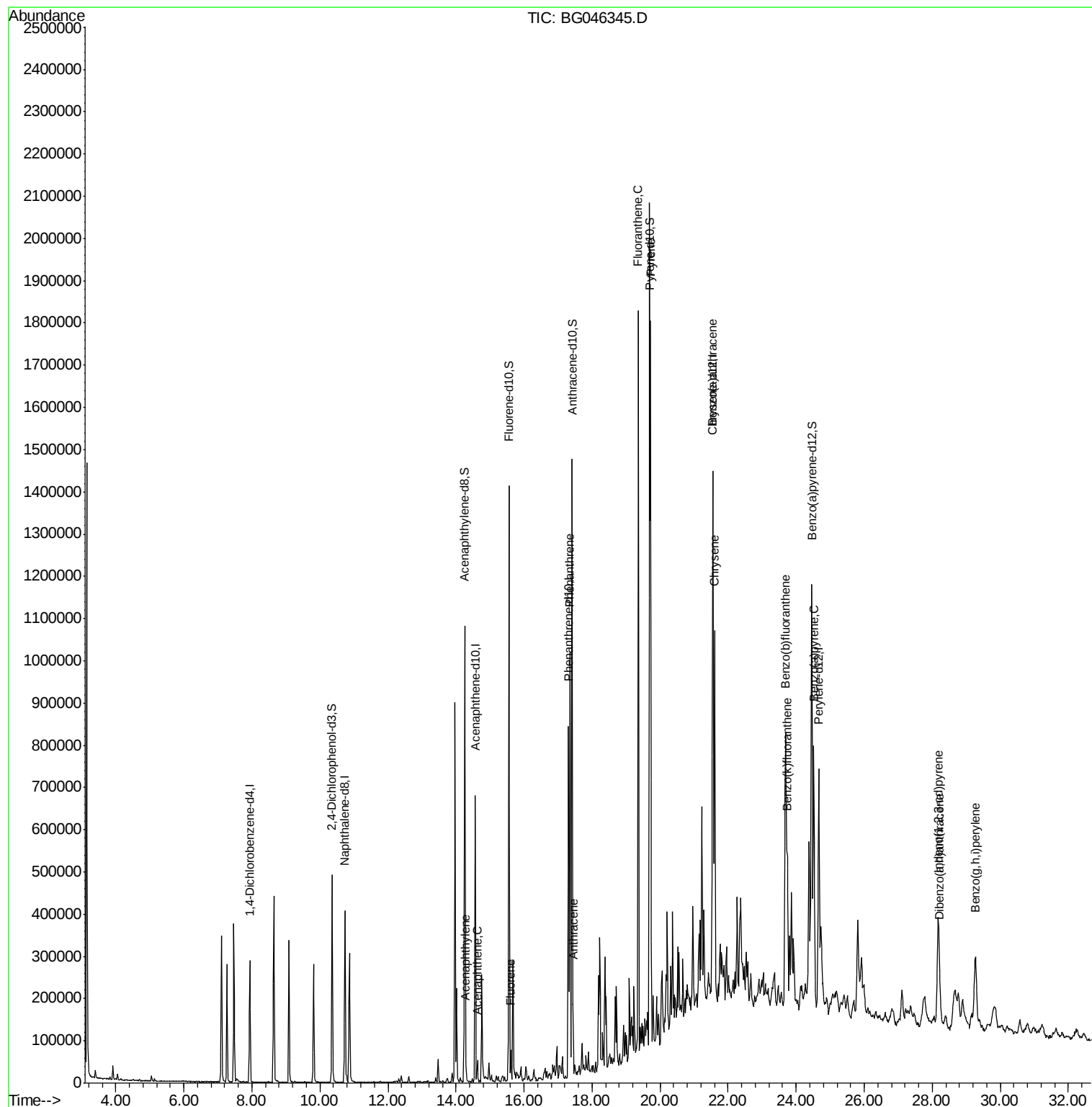
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
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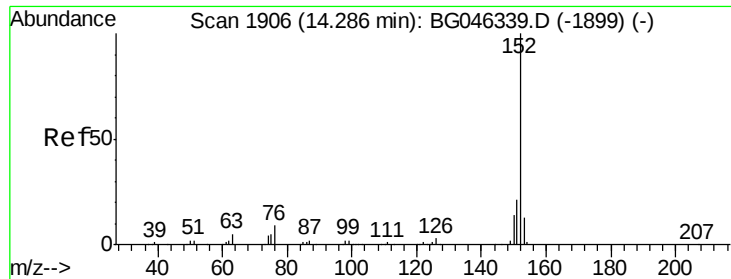
Instrument :
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Quant Time: Aug 19 15:51:25 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
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#8

Acenaphthylene

Concen: 1.450 ng/ul

RT: 14.29 min Scan# 1906

Delta R.T. 0.00 min

Lab File: BG046345.D

Acq: 19 Aug 2020 13:25

Instrument :

BNA_G

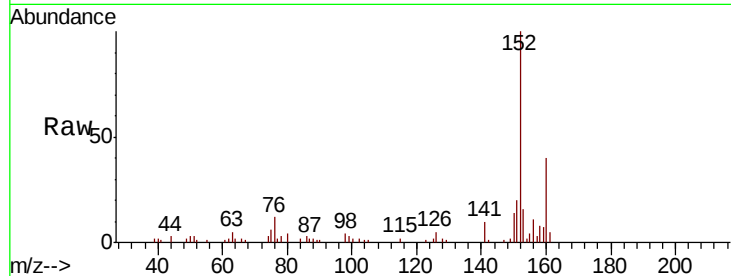
ClientSampleId :

BFME4

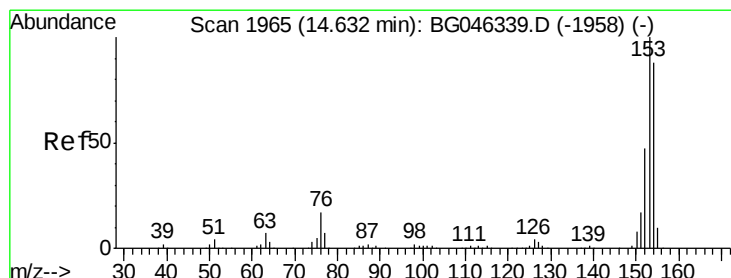
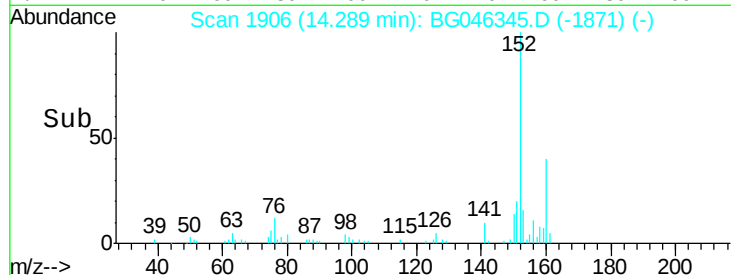
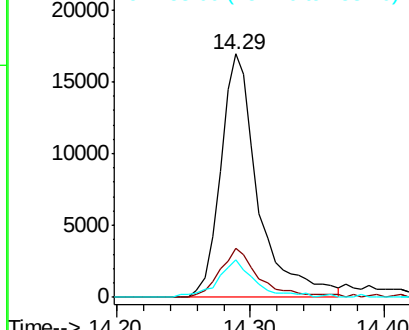
Tot Ion:	152	Resp:	33362
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.5	24.7
153	15.5	11.0	16.6

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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: 1.388 ng/ul

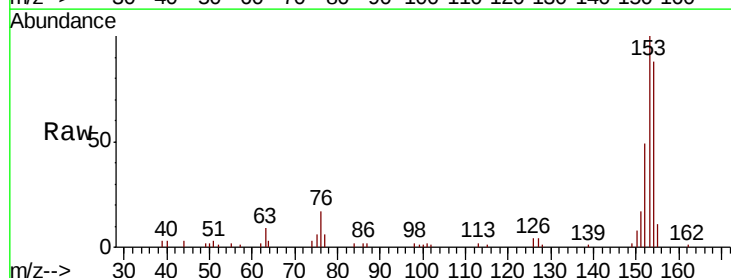
RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

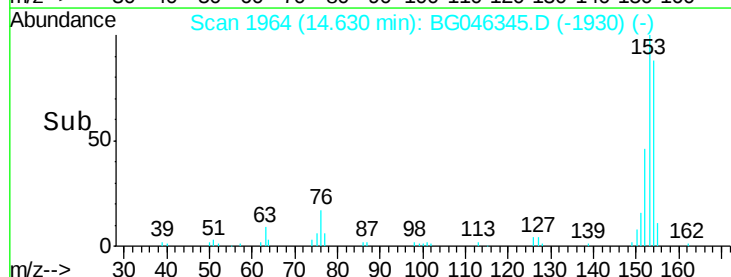
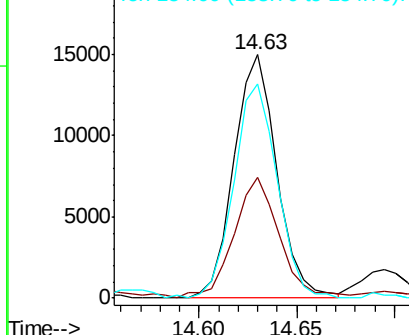
Lab File: BG046345.D

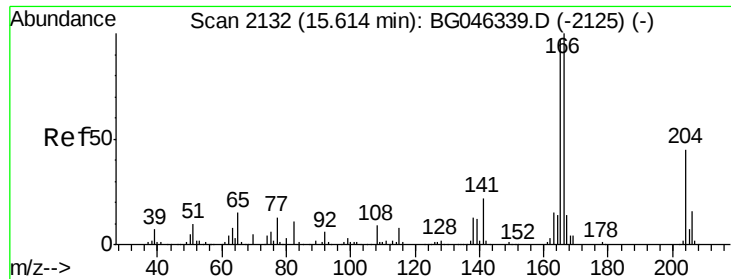
Acq: 19 Aug 2020 13:25

Tgt Ion:	153	Resp:	22810
Ion	Ratio	Lower	Upper
153	100		
152	49.4	37.2	55.8
154	88.2	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





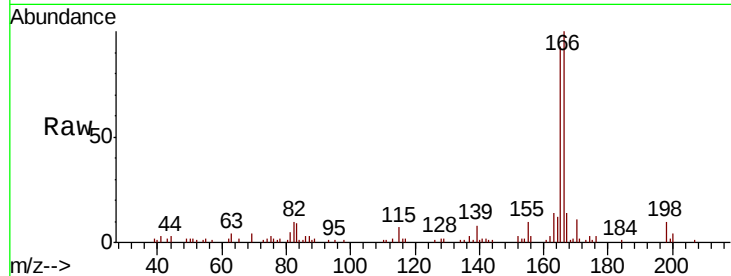
#11
Fluorene
 Concen: 1.388 ng/ul
 RT: 15.61 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: BG046345.D
 Acq: 19 Aug 2020 13:25

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
166	100	26666		
165	93.1		75.9	113.9
167	14.2		10.7	16.1

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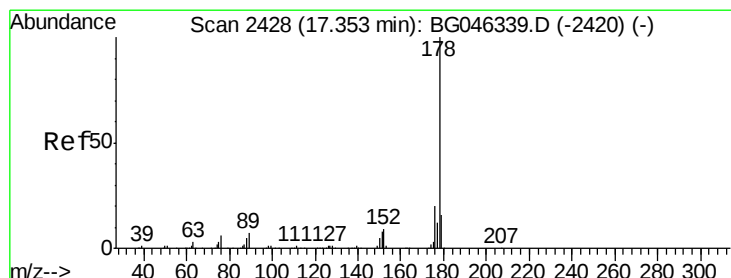
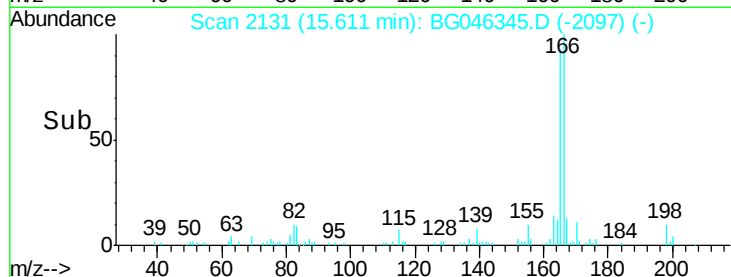
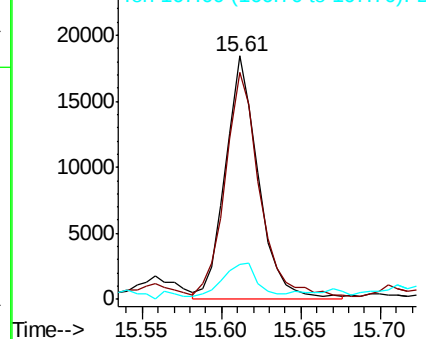


Abundance

Ion 166.00 (165.70 to 166.70): E

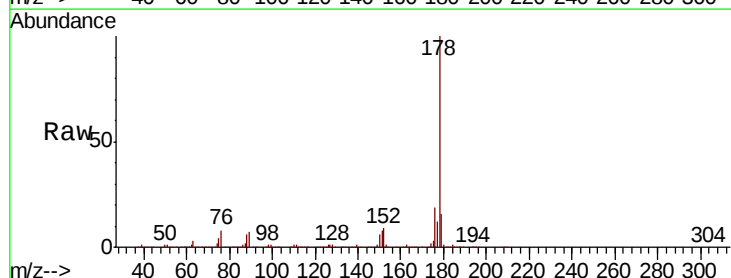
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#14
Phenanthrene
 Concen: 21.469 ng/ul
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BG046345.D
 Acq: 19 Aug 2020 13:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	643902		
179	15.9		12.8	19.2
176	19.1		15.8	23.8

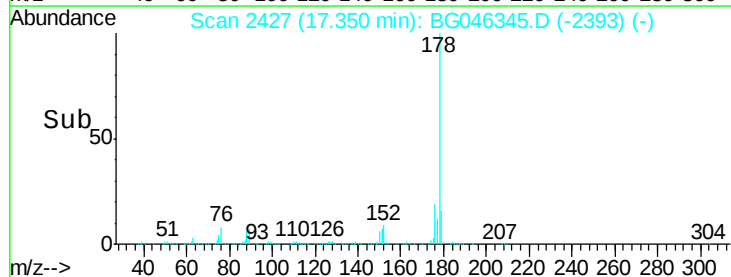
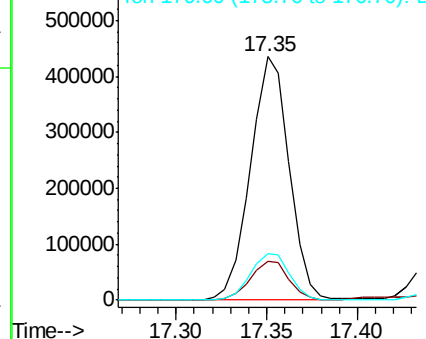


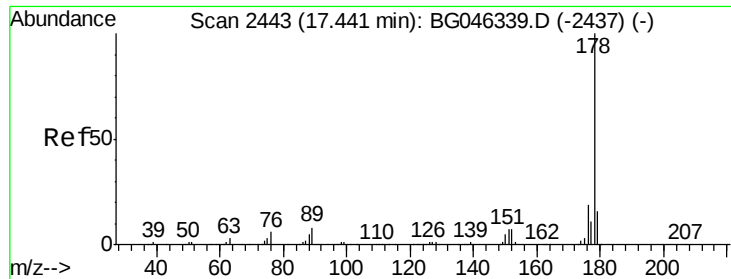
Abundance

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





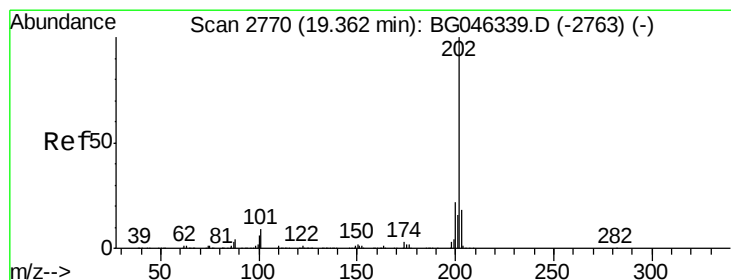
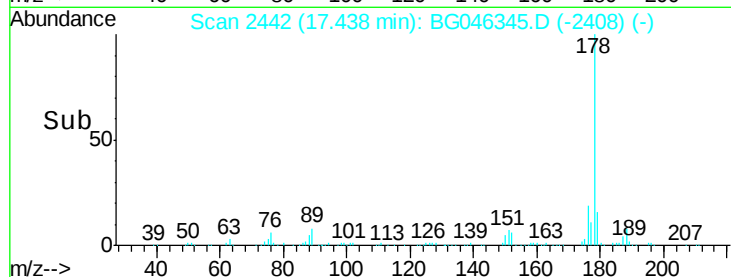
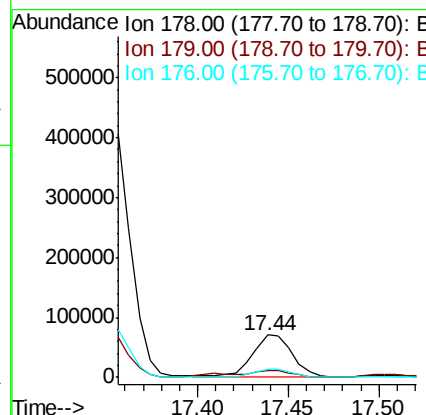
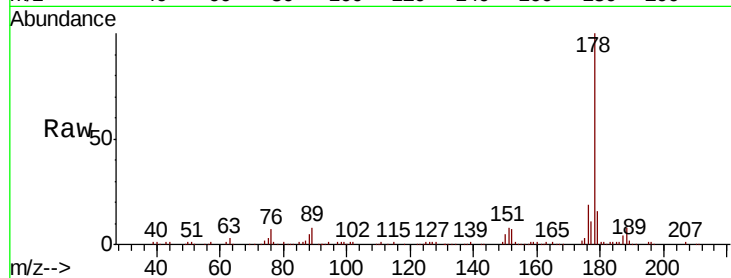
#16
 Anthracene
 Concen: 3.620 ng/ul
 RT: 17.44 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BG046345.D
 Acq: 19 Aug 2020 13:25

Instrument :
 BNA_G
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.2	19.8
176	18.9	15.2	22.8

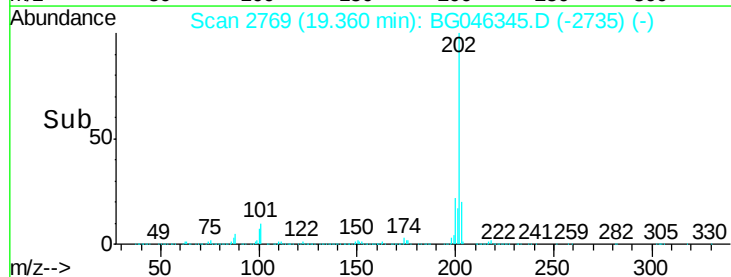
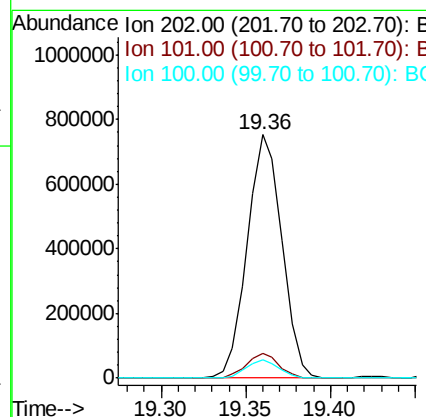
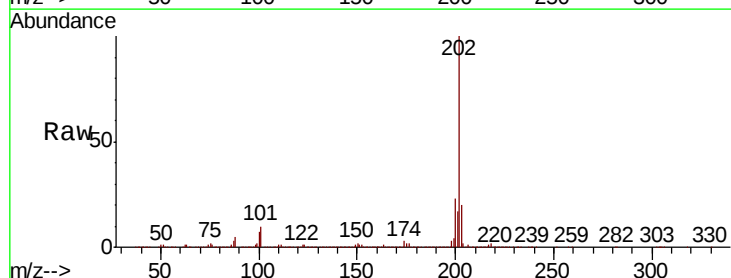
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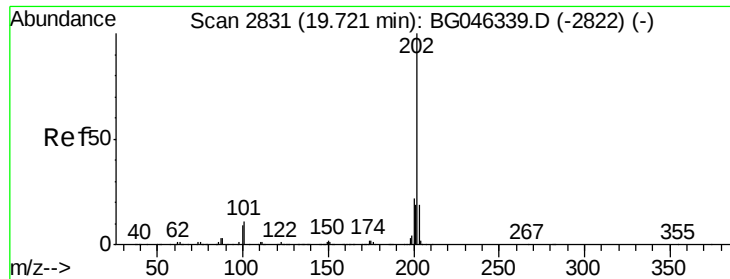
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#17
 Fluoranthene
 Concen: 32.070 ng/ul
 RT: 19.36 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: BG046345.D
 Acq: 19 Aug 2020 13:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.6
100	7.4	5.9	8.9





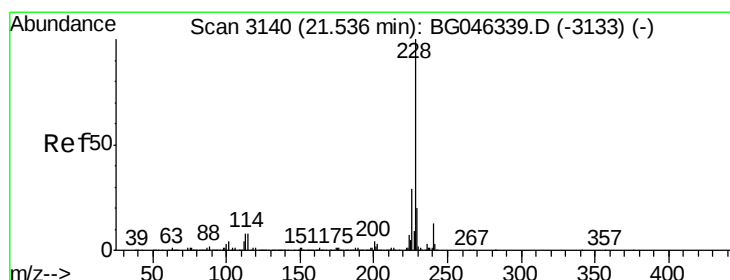
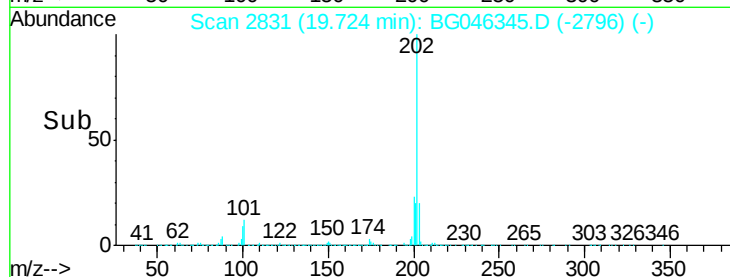
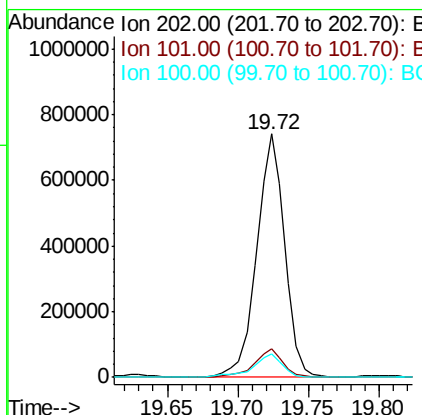
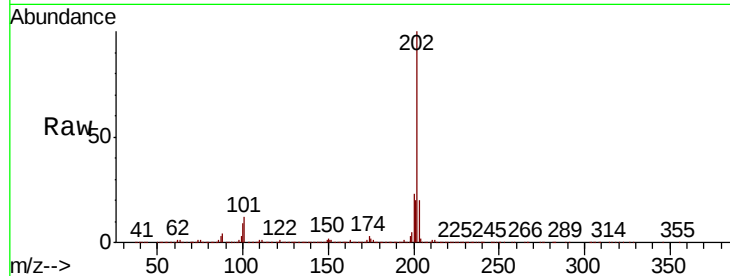
#20
Pvrene
Concen: 29.546 ng/ul
RT: 19.72 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BG046345.D
Acq: 19 Aug 2020 13:25

Instrument :
BNA_G
ClientSampleId :
BFME4

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

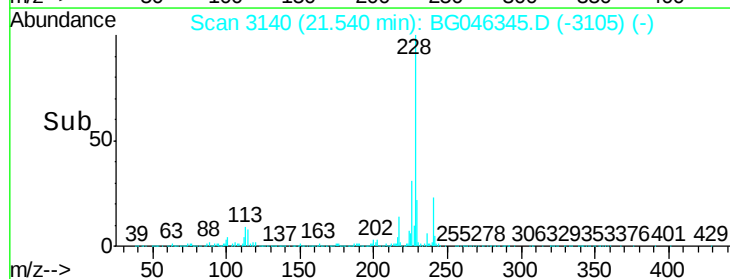
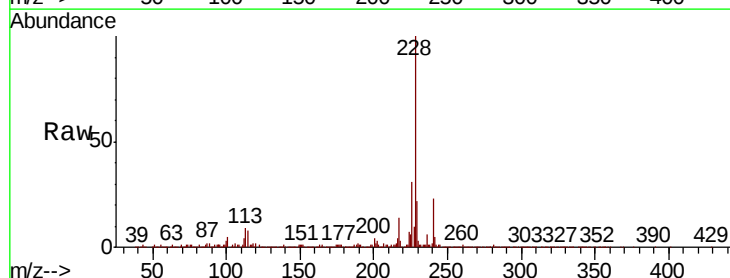
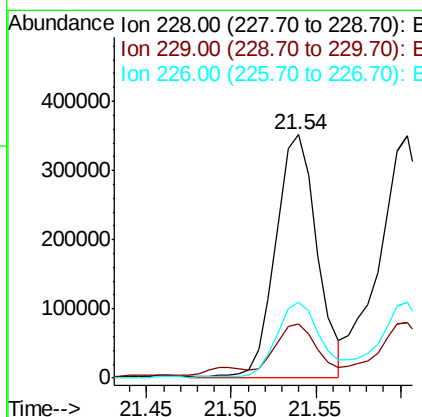
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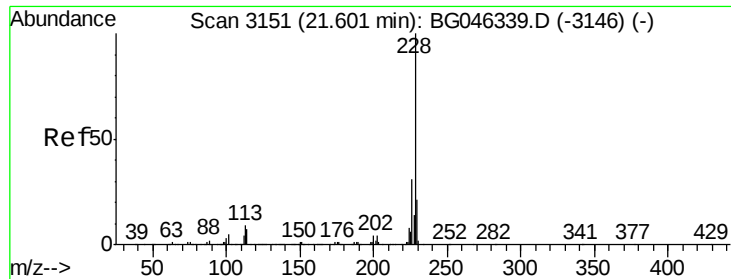
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#21
Benzo(a)anthracene
Concen: 17.270 ng/ul
RT: 21.54 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG046345.D
Acq: 19 Aug 2020 13:25

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.2	16.6	25.0
226	31.1	22.6	33.8





#22

Chrysene

Concen: 19.409 ng/ul

RT: 21.60 min Scan# 3151

Delta R.T. 0.00 min

Lab File: BG046345.D

Acq: 19 Aug 2020 13:25

Instrument :

BNA_G

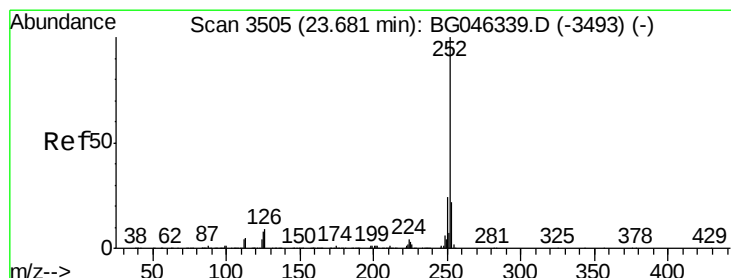
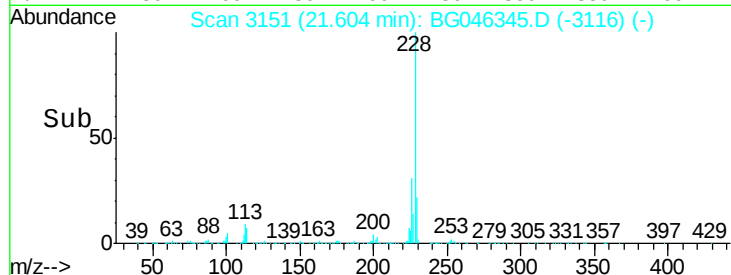
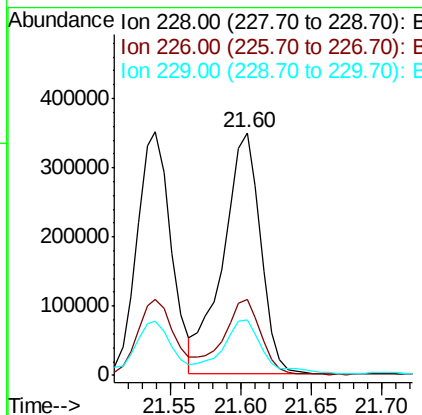
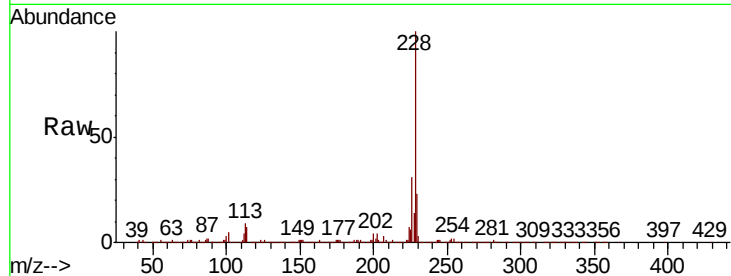
ClientSampleId :

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Tot Ion:	228	Resp:	646332
Ion Ratio		Lower	Upper
228	100		
226	31.5	25.5	38.3
229	23.0	17.0	25.4

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#24

Benzo(b)fluoranthene

Concen: 24.365 ng/ul

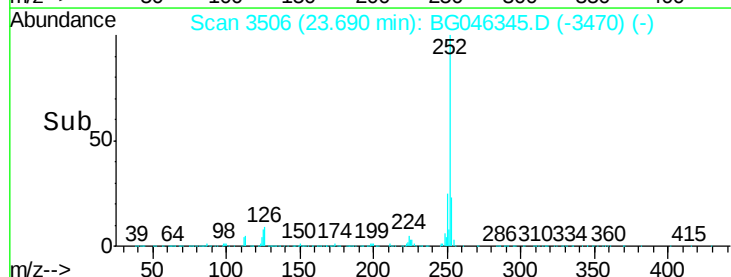
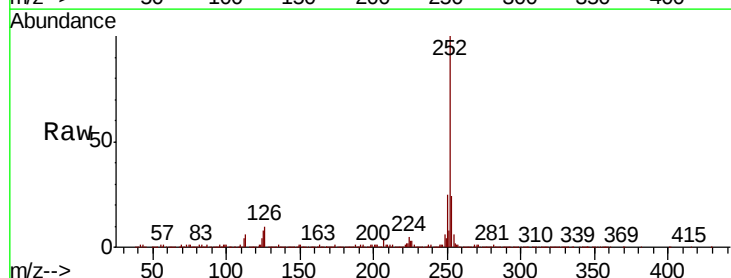
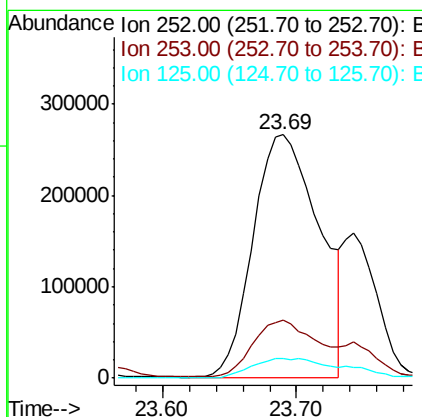
RT: 23.69 min Scan# 3506

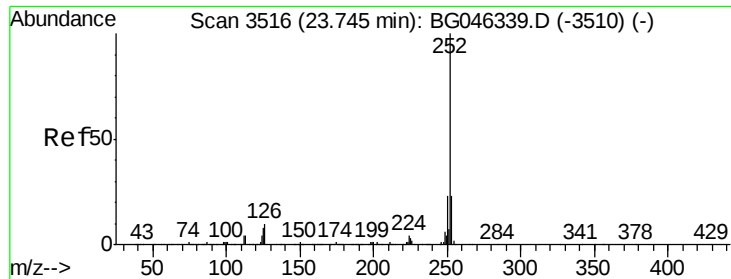
Delta R.T. 0.01 min

Lab File: BG046345.D

Acq: 19 Aug 2020 13:25

Tgt Ion:	252	Resp:	915488
Ion Ratio		Lower	Upper
252	100		
253	23.8	17.8	26.6
125	8.3	6.4	9.6





#25

Benzo(k)fluoranthene

Concen: 7.482 ng/ul m

RT: 23.74 min Scan# 3515

Delta R.T. -0.00 min

Lab File: BG046345.D

Acq: 19 Aug 2020 13:25

Instrument :

BNA_G

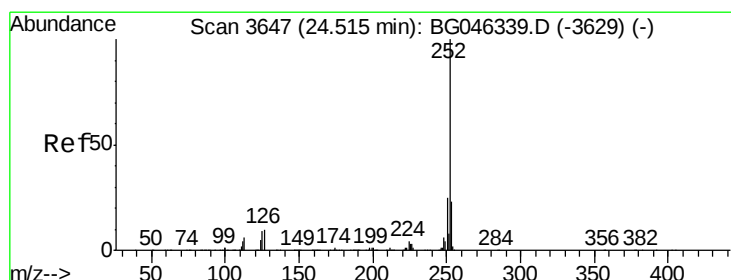
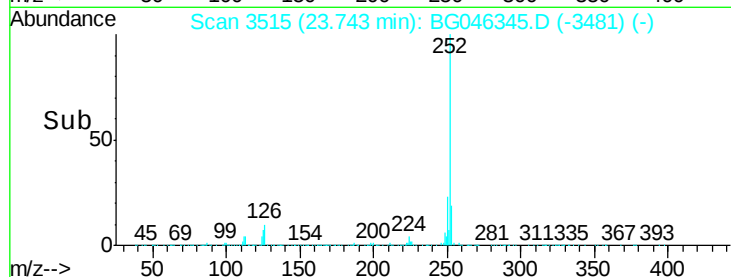
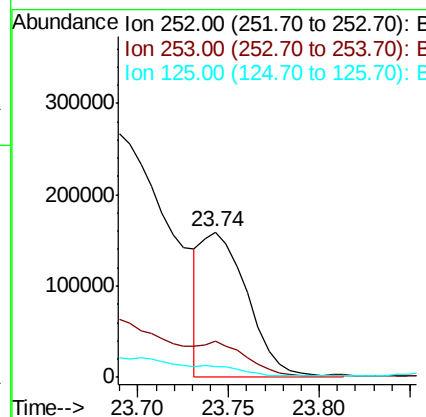
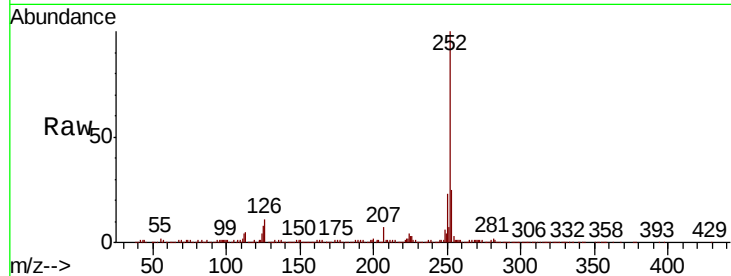
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Tot Ion:	252	Resp:	278860
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.5	27.7
125	7.6	6.2	9.2

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#27

Benzo(a)pyrene

Concen: 18.300 ng/ul

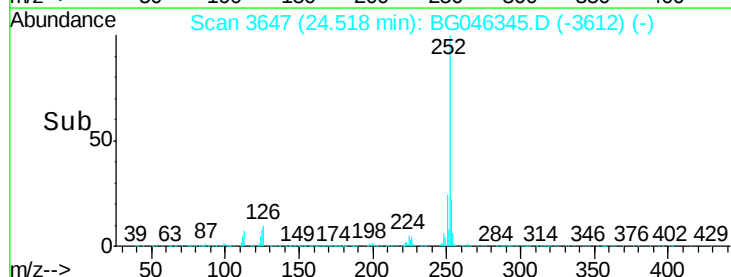
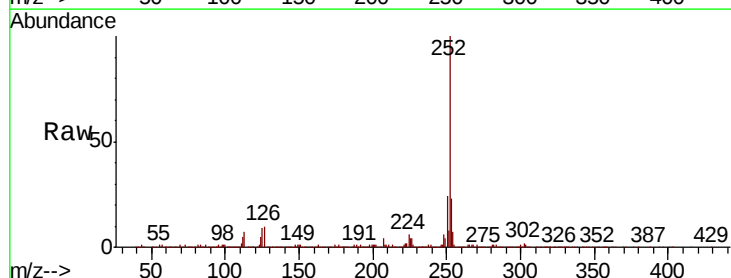
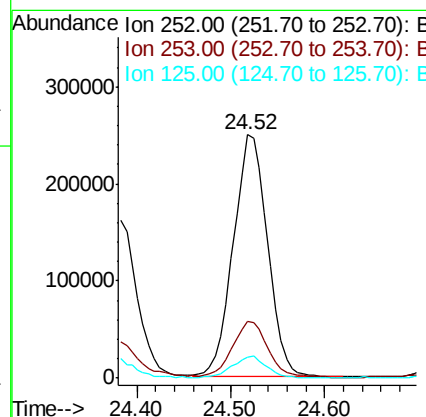
RT: 24.52 min Scan# 3647

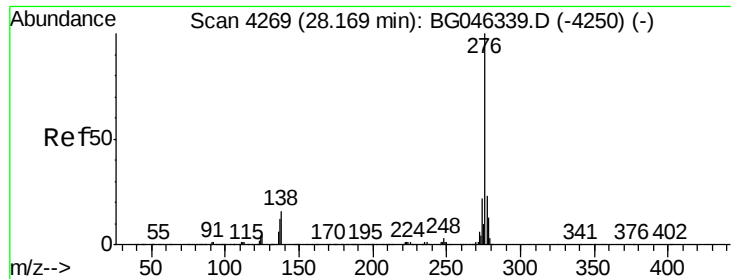
Delta R.T. 0.00 min

Lab File: BG046345.D

Acq: 19 Aug 2020 13:25

Tgt Ion:	252	Resp:	631273
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	8.6	7.1	10.7





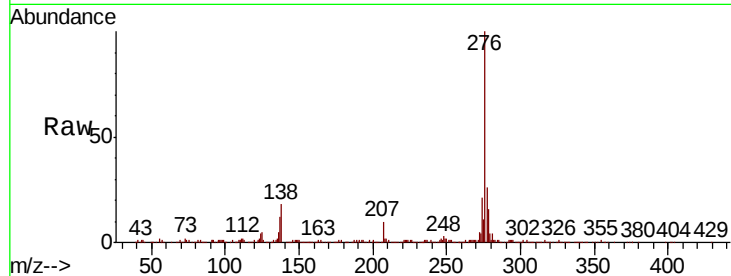
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 10.362 ng/ul
 RT: 28.18 min Scan# 4270
 Delta R.T. 0.01 min
 Lab File: BG046345.D
 Acq: 19 Aug 2020 13:25

Instrument :
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 BFME4

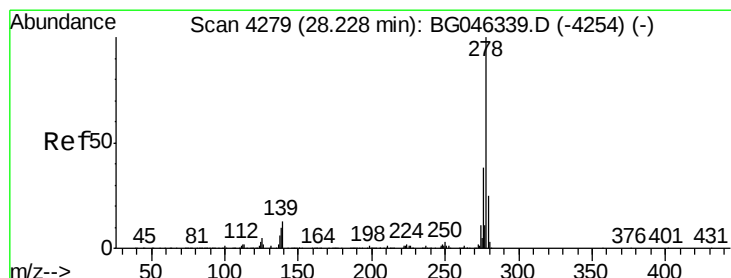
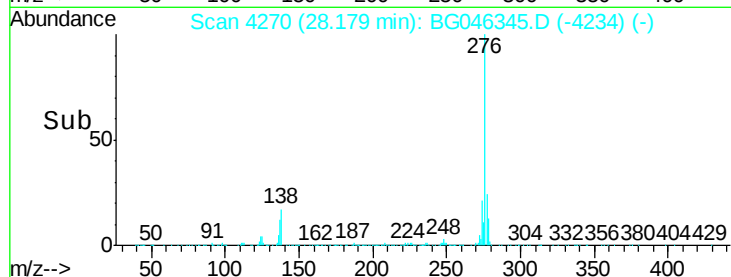
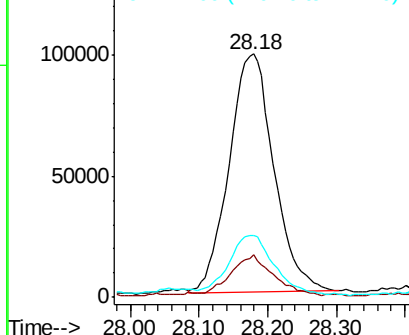
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	13.2	19.8
277	25.5	19.9	29.9

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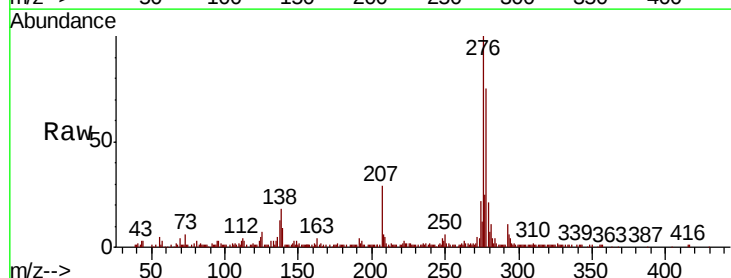


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

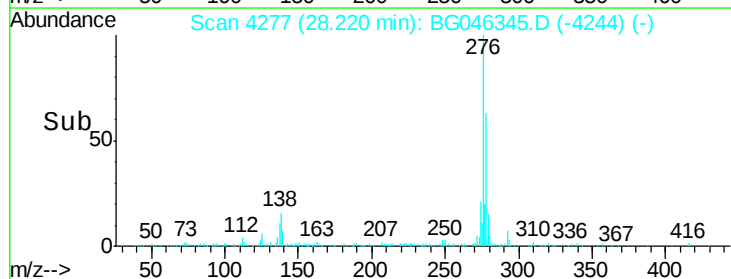
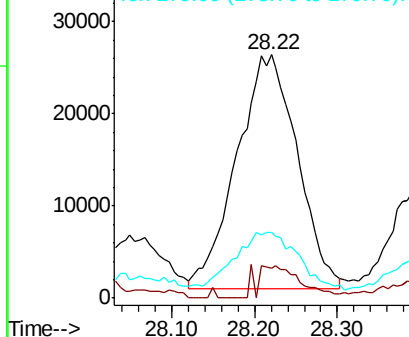


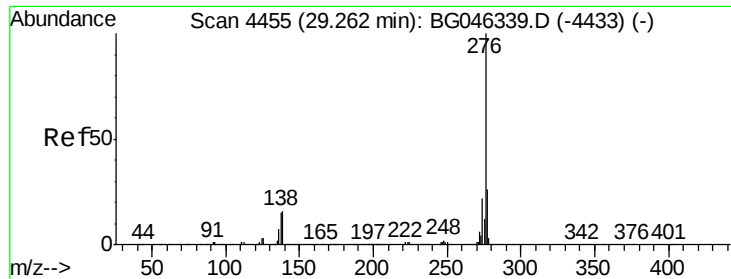
#29
 Dibenzo(a,h)anthracene
 Concen: 3.705 ng/ul m
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.01 min
 Lab File: BG046345.D
 Acq: 19 Aug 2020 13:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.2	9.8	14.8
279	27.2	19.7	29.5



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(a,h,i)perylene

Concen: 10.098 ng/ul

RT: 29.27 min Scan# 4456

Delta R.T. 0.01 min

Lab File: BG046345.D

Acq: 19 Aug 2020 13:25

Instrument :

BNA_G

ClientSampleId :

BFME4

Tot Ion:	276	Resp:	365035
Ion Ratio	Lower	Upper	
276	100		
138	15.5	12.9	19.3
277	23.2	19.4	29.0

Manual Integrations
APPROVED

mohammad
8/20/2020 12:22:59 PM

