

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
 Data File : BG046329.D
 Acq On : 18 Aug 2020 15:48
 Operator : CG/JU
 Sample : L3636-05DL 2X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMK1DL

Manual Integrations
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Quant Time: Aug 18 16:24:42 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	7.94	152	104438	20.00	ng/ul	0.00
2) Naphthalene-d8	10.74	136	404064	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.57	164	262948	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	566459	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	556491	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	606393	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	34192	4.91	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	134205	5.55	ng/ul	0.00
10) Fluorene-d10	15.56	176	106172	5.73	ng/ul	0.00
15) Anthracene-d10	17.41	188	152488	5.81	ng/ul	0.00
19) Pyrene-d10	19.69	212	163205	5.70	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	174622	5.28	ng/ul	0.00
Target Compounds						
						Qvalue
4) Naphthalene	10.78	128	84280	4.010	ng/ul	99
5) 2-Methylnaphthalene	12.39	142	42496	2.652	ng/ul	98
8) Acenaphthylene	14.29	152	36142	1.469	ng/ul	97
9) Acenaphthene	14.63	153	85602	4.872	ng/ul	99
11) Fluorene	15.61	166	119703	5.827	ng/ul	98
14) Phenanthrene	17.35	178	1352876	43.413	ng/ul	97
16) Anthracene	17.44	178	369171	11.741	ng/ul	99
17) Fluoranthene	19.36	202	1523843	43.854	ng/ul	98
20) Pyrene	19.73	202	1261881	34.545	ng/ul	99
21) Benzo(a)anthracene	21.54	228	859783	23.746	ng/ul	97
22) Chrysene	21.61	228	762540	21.786	ng/ul	97
24) Benzo(b)fluoranthene	23.69	252	906012	22.594	ng/ul	97
25) Benzo(k)fluoranthene	23.74	252	332395m	8.356	ng/ul	
27) Benzo(a)pyrene	24.52	252	619969	16.840	ng/ul	98
28) Indeno(1,2,3-cd)pyrene	28.17	276	366374	7.948	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	120402	3.221	ng/ul	95
30) Benzo(g,h,i)perylene	29.26	276	255795	6.631	ng/ul	99

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

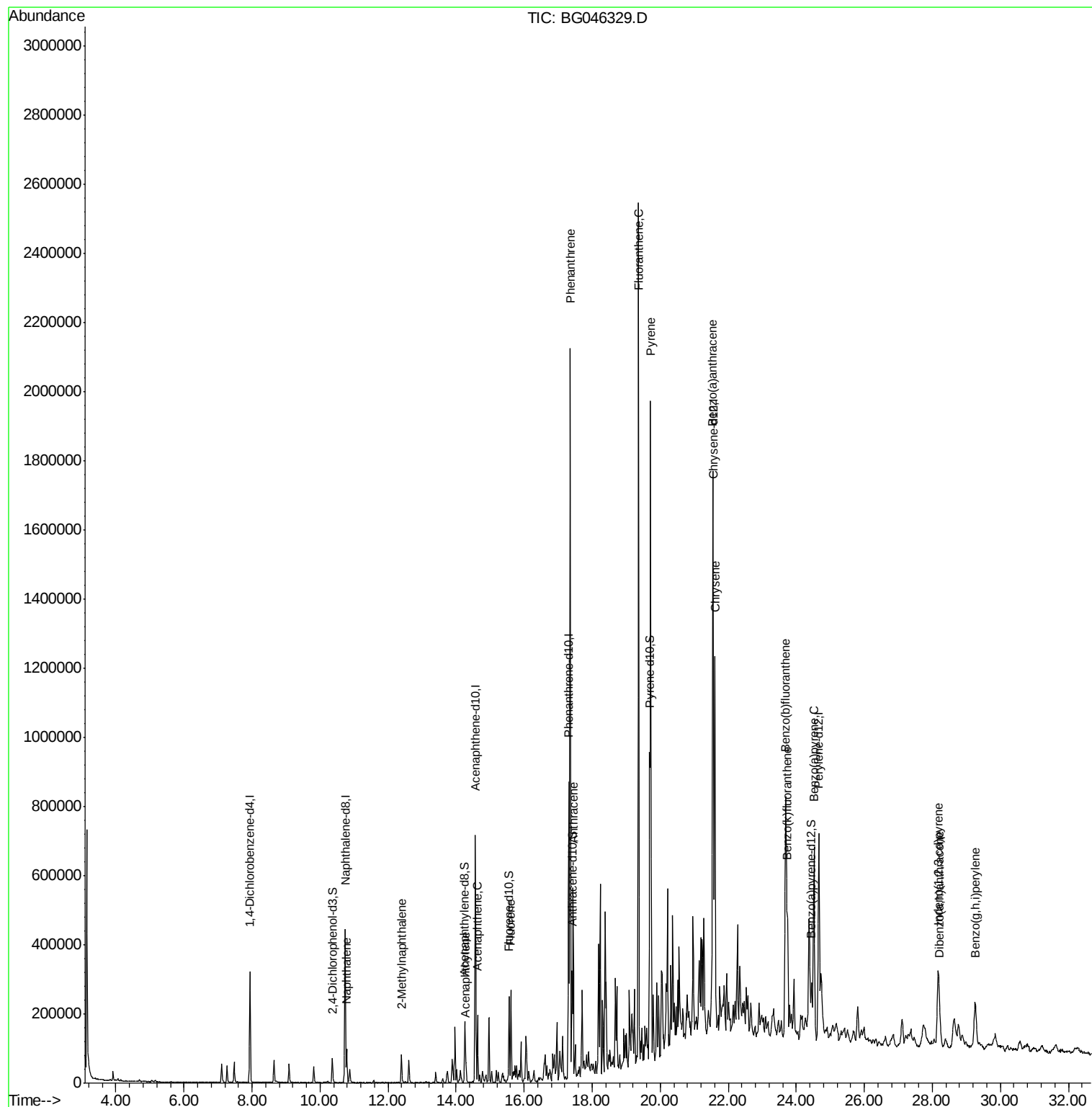
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081720\
Data File : BG046329.D
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Misc :
ALS Vial : 36 Sample Multiplier: 1

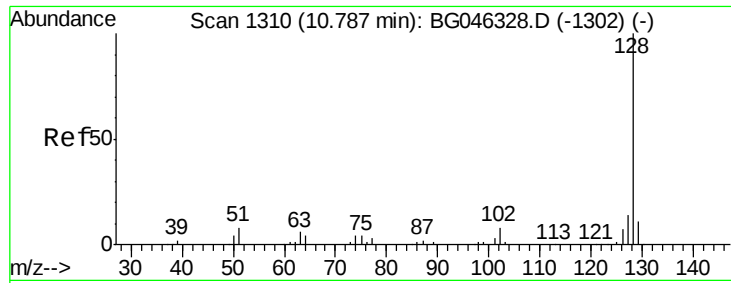
Instrument :
BNA_G
ClientSampleId :
BFMK1DL

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Quant Time: Aug 18 16:24:42 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





#4

Naphthalene

Concen: 4.010 ng/ul

RT: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Instrument :

BNA_G

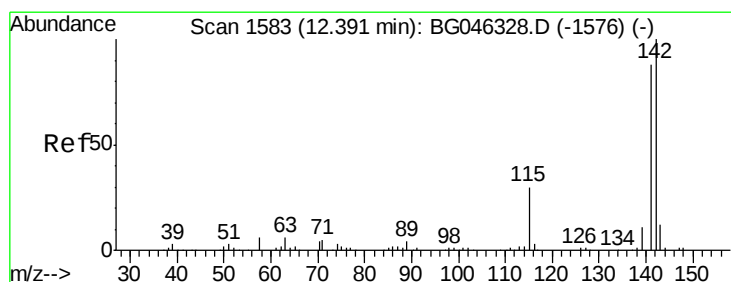
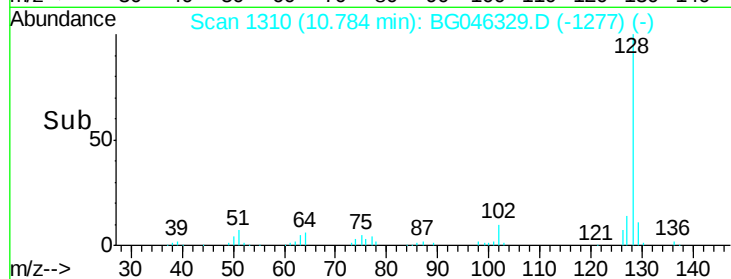
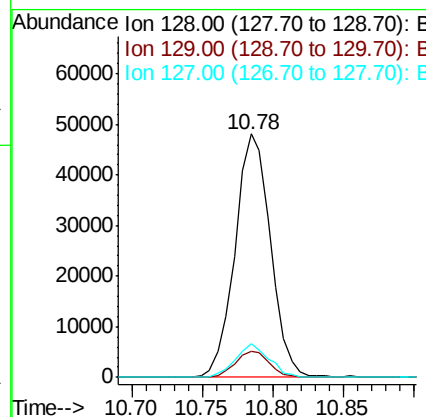
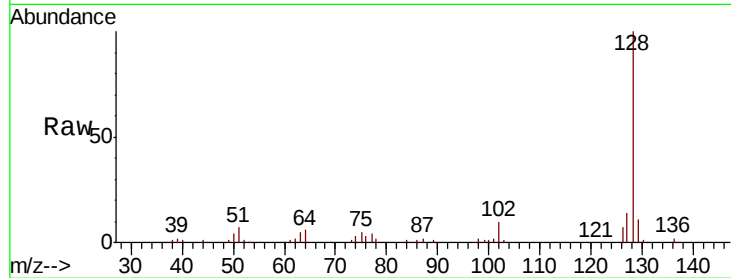
ClientSampleId :

BFMK1DL

Tot Ion:128	Resp:	84280
Ion Ratio	Lower	Upper
128 100		
129 10.8	9.0	13.6
127 14.0	10.9	16.3

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#5

2-Methylnaphthalene

Concen: 2.652 ng/ul

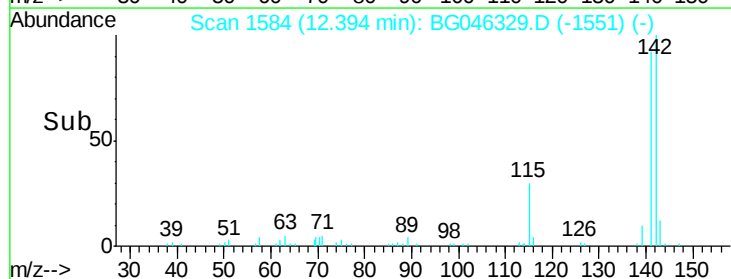
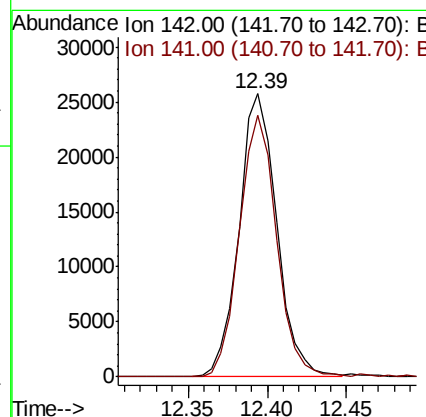
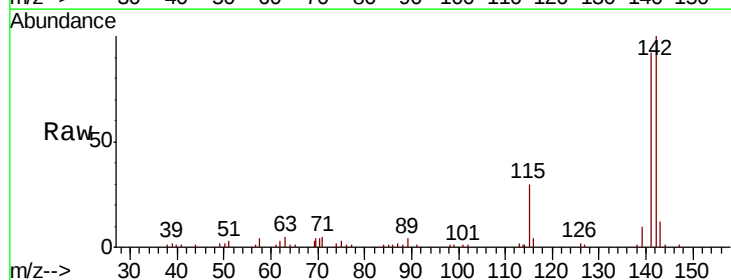
RT: 12.39 min Scan# 1584

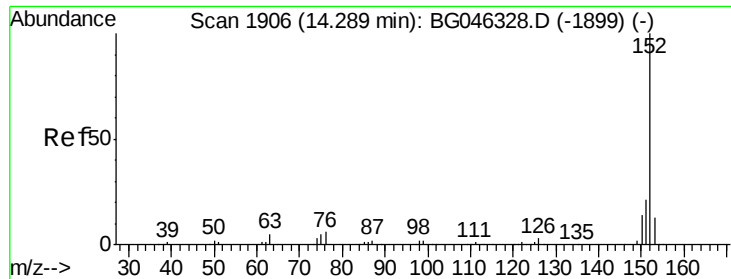
Delta R.T. -0.01 min

Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Tgt Ion:142	Resp:	42496
Ion Ratio	Lower	Upper
142 100		
141 92.3	72.5	108.7





#8

Acenaphthylene

Concen: 1.469 ng/ul

RT: 14.29 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Instrument :

BNA_G

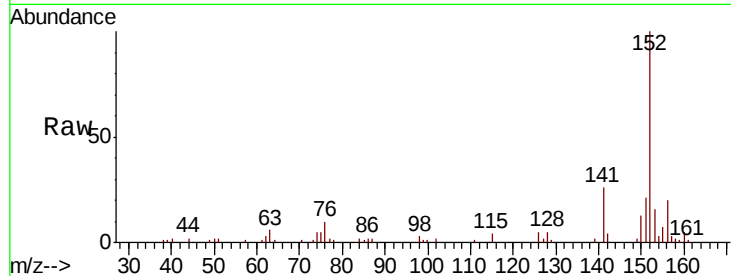
ClientSampleId :

BFMK1DL

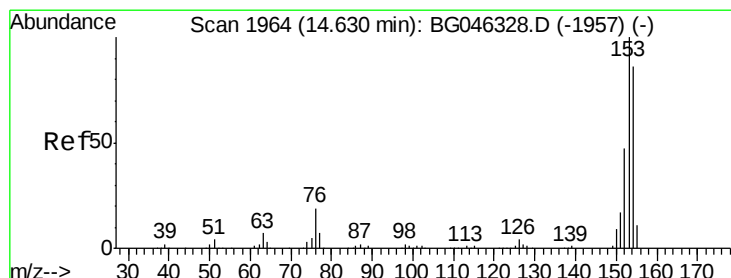
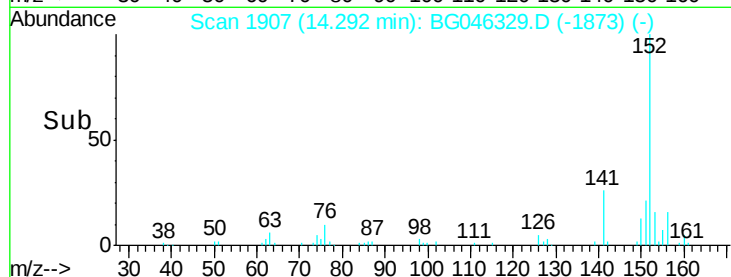
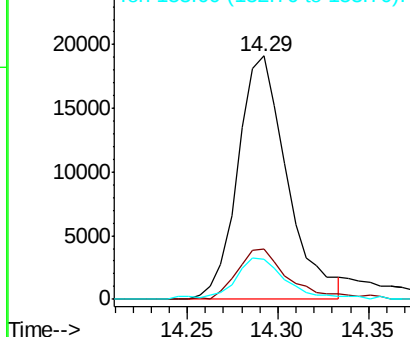
Tot Ion:	152	Resp:	36142
Ion Ratio	Lower	Upper	
152	100		
151	20.9	16.5	24.7
153	16.2	11.0	16.6

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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: 4.872 ng/ul

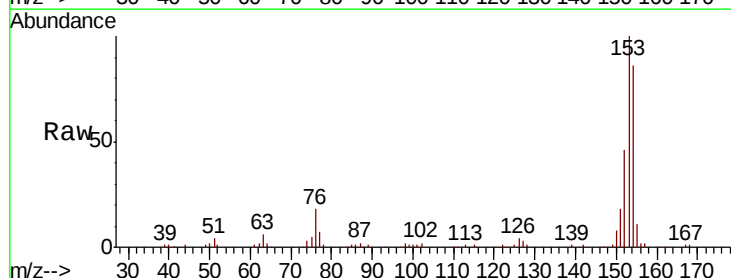
RT: 14.63 min Scan# 1965

Delta R.T. -0.01 min

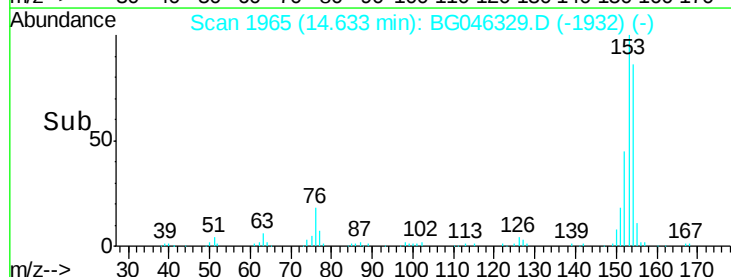
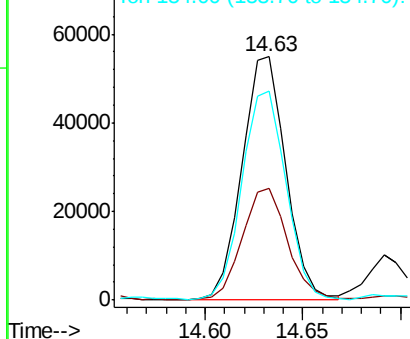
Lab File: BG046329.D

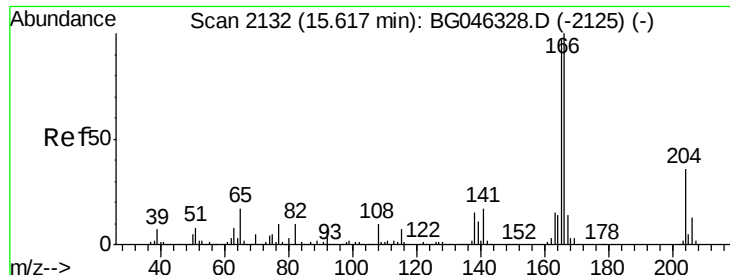
Acq: 18 Aug 2020 15:48

Tgt Ion:	153	Resp:	85602
Ion Ratio	Lower	Upper	
153	100		
152	46.1	37.2	55.8
154	85.7	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





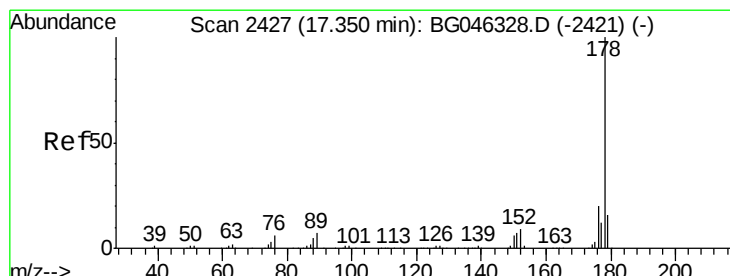
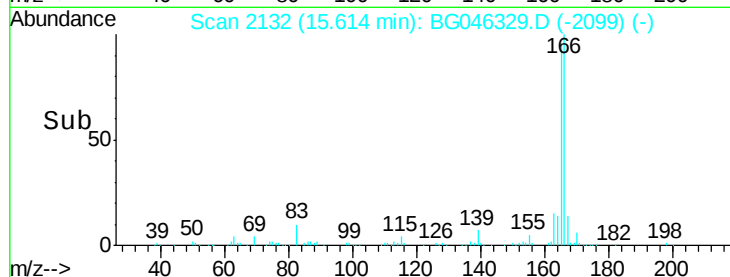
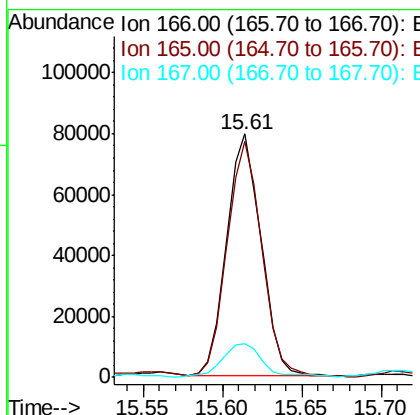
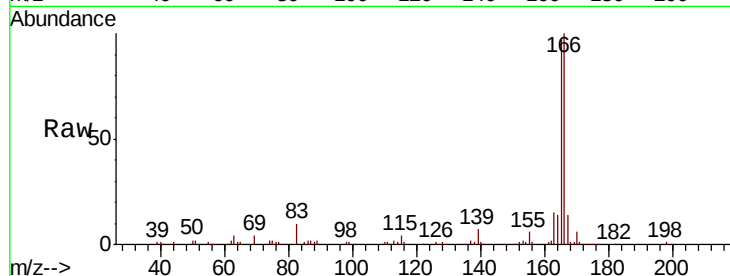
#11
Fluorene
 Concen: 5.827 ng/ul
 RT: 15.61 min Scan# 2132
 Delta R.T. -0.01 min
 Lab File: BG046329.D
 Acq: 18 Aug 2020 15:48

Instrument :
 BNA_G
 ClientSampleID :
 BFMK1DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.6	75.9	113.9
167	13.9	10.7	16.1

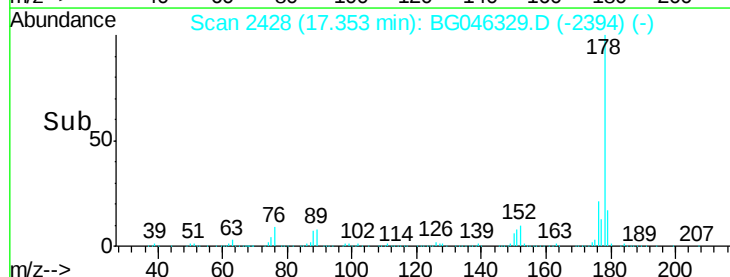
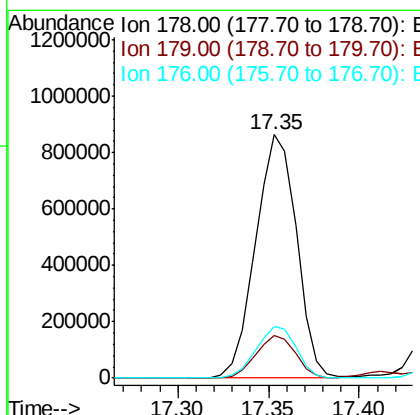
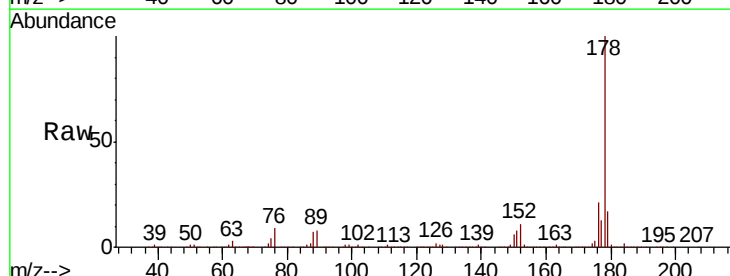
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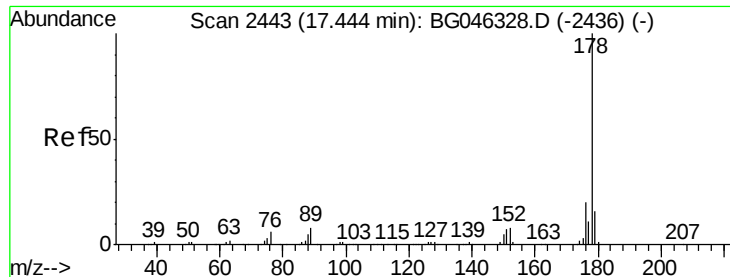
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#14
Phenanthrene
 Concen: 43.413 ng/ul
 RT: 17.35 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BG046329.D
 Acq: 18 Aug 2020 15:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.4	12.8	19.2
176	21.2	15.8	23.8





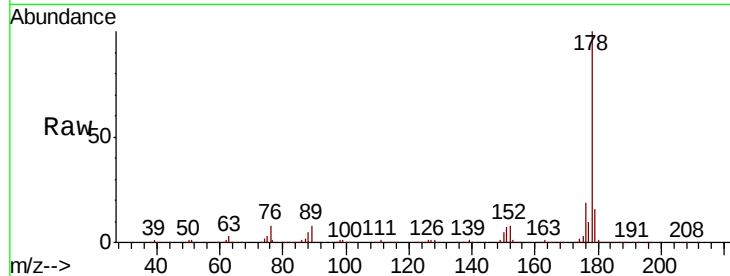
#16
 Anthracene
 Concen: 11.741 ng/ul
 RT: 17.44 min Scan# 2443
 Delta R.T. -0.01 min
 Lab File: BG046329.D
 Acq: 18 Aug 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 BFMK1DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.2	19.8
176	19.3	15.2	22.8

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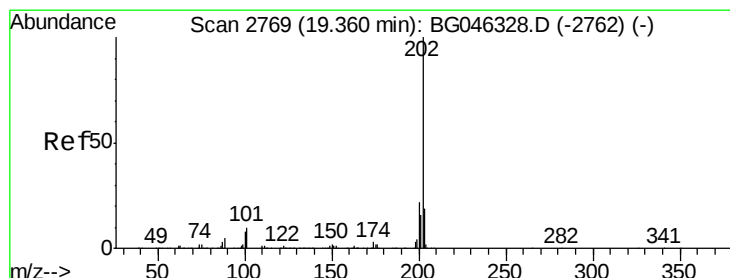
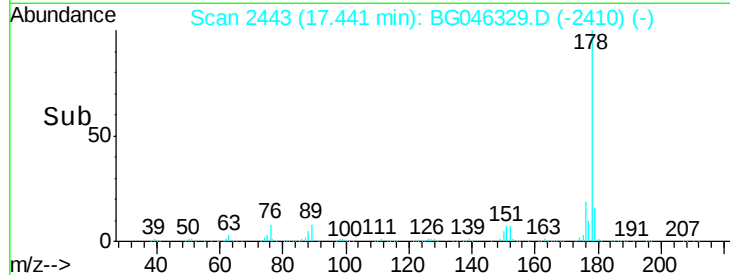
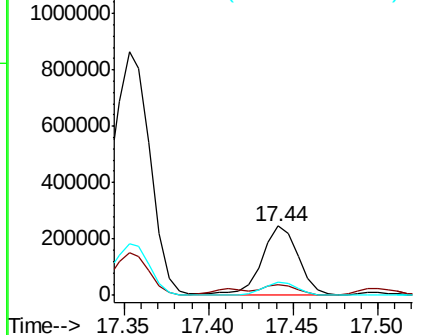


Abundance

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: 43.854 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: BG046329.D
 Acq: 18 Aug 2020 15:48

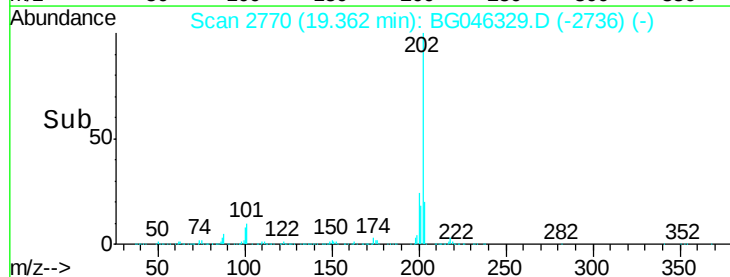
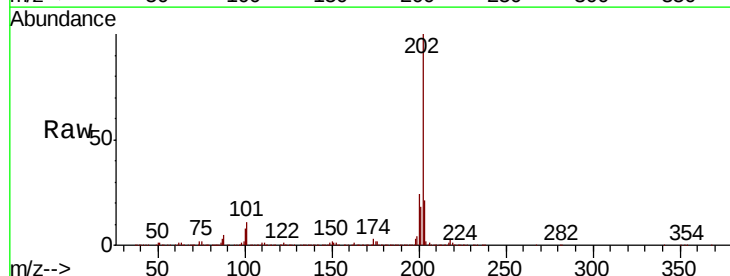
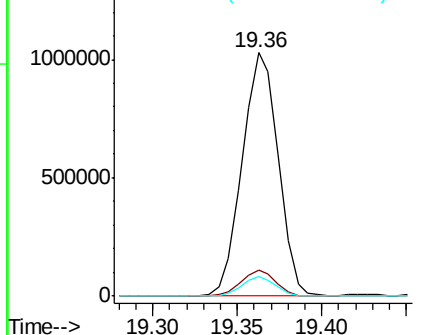
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.8	11.6
100	7.8	5.9	8.9

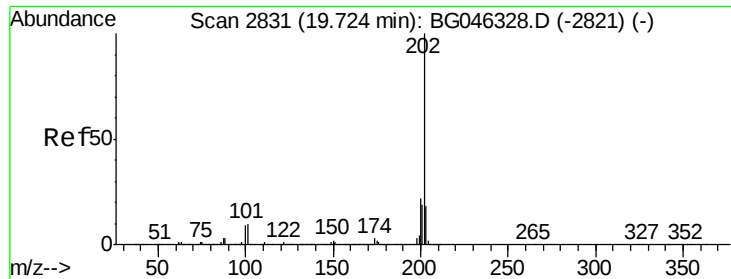
Abundance

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





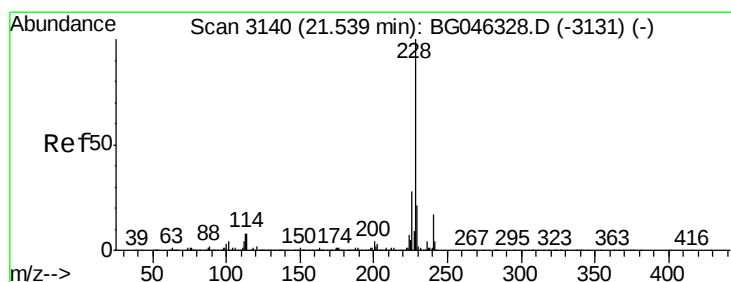
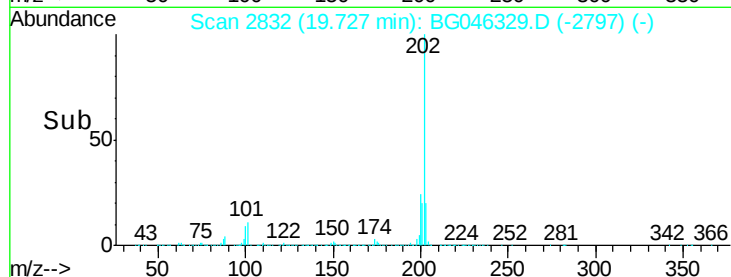
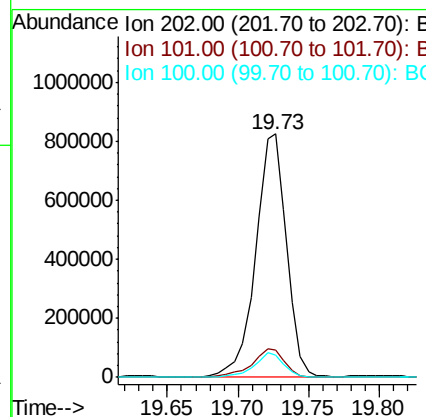
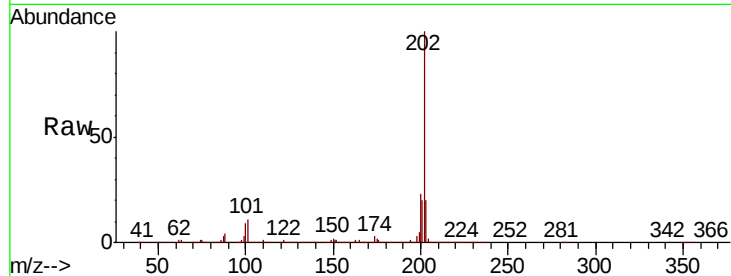
#20
Pvrene
Concen: 34.545 ng/ul
RT: 19.73 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BG046329.D
Acq: 18 Aug 2020 15:48

Instrument :
BNA_G
ClientSampled :
BFMK1DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.9	13.3
100	9.3	7.9	11.9

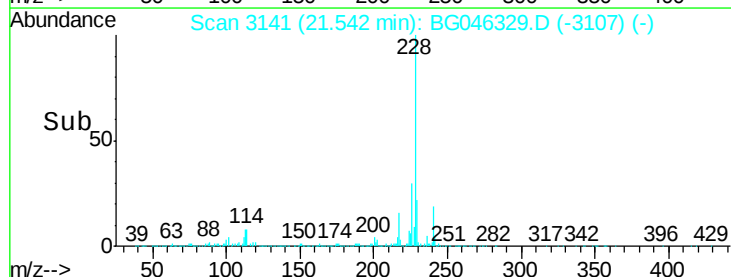
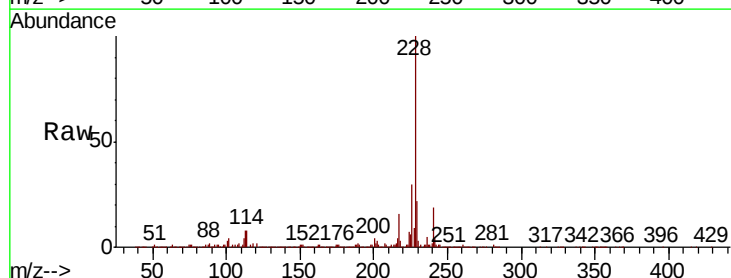
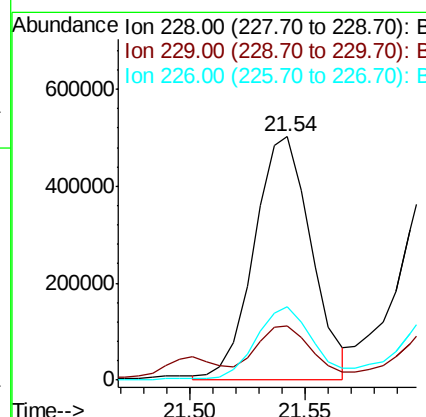
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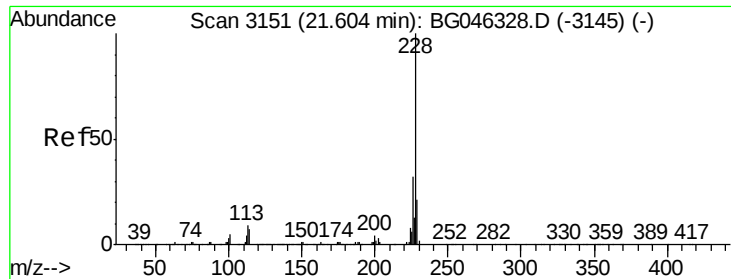
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#21
Benzo(a)anthracene
Concen: 23.746 ng/ul
RT: 21.54 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG046329.D
Acq: 18 Aug 2020 15:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	16.6	25.0
226	30.0	22.6	33.8





#22

Chrysene

Concen: 21.786 ng/ul

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Instrument :

BNA_G

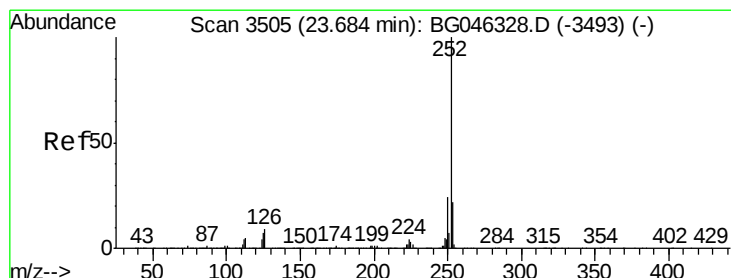
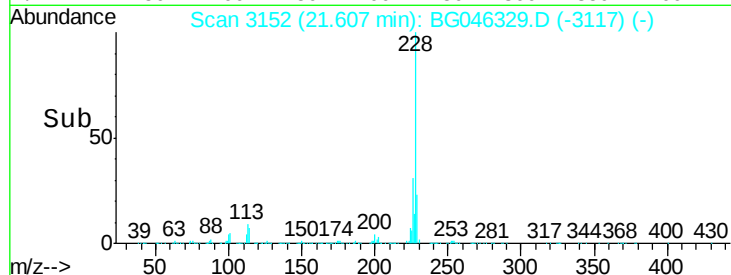
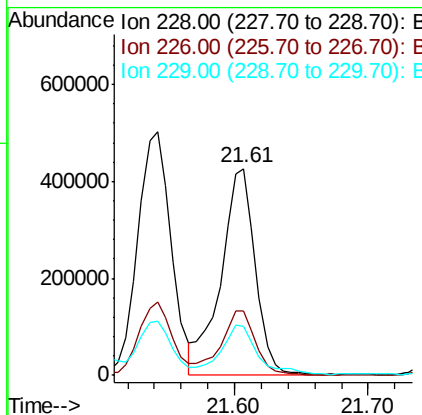
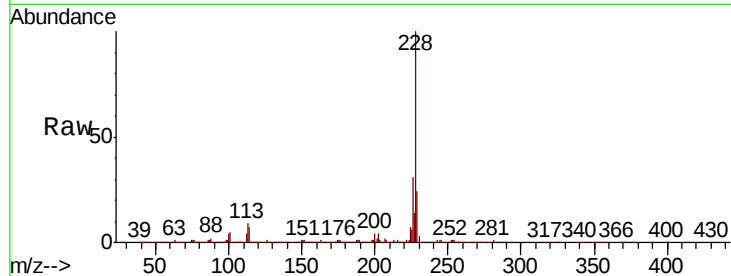
ClientSampleId :

BFMK1DL

Tot Ion:	228	Resp:	762540
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.5	38.3
229	24.0	17.0	25.4

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#24

Benzo(b)fluoranthene

Concen: 22.594 ng/ul

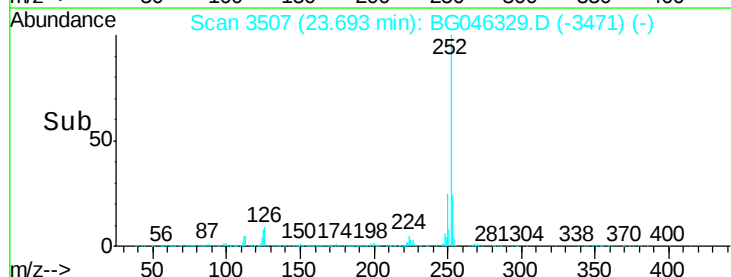
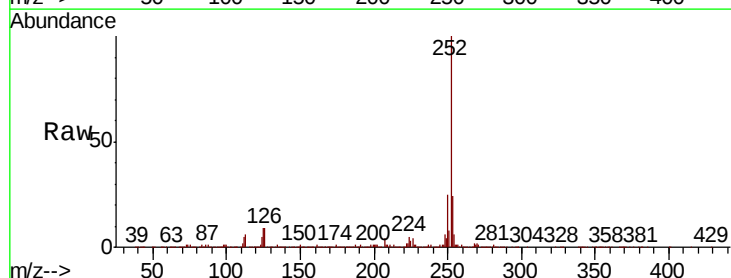
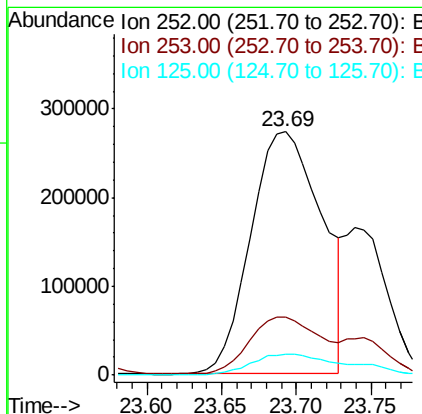
RT: 23.69 min Scan# 3507

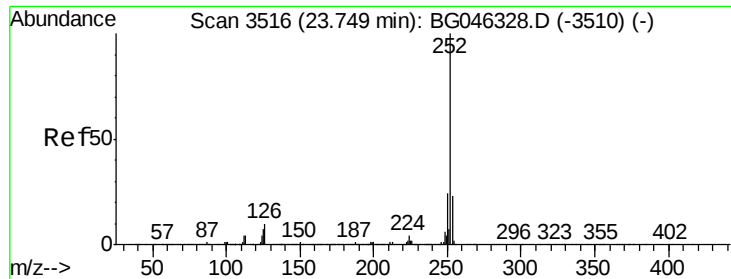
Delta R.T. 0.01 min

Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Tgt Ion:	252	Resp:	906012
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.8	26.6
125	8.6	6.4	9.6





#25

Benzo(k)fluoranthene

Concen: 8.356 ng/ul m

RT: 23.74 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Instrument :

BNA_G

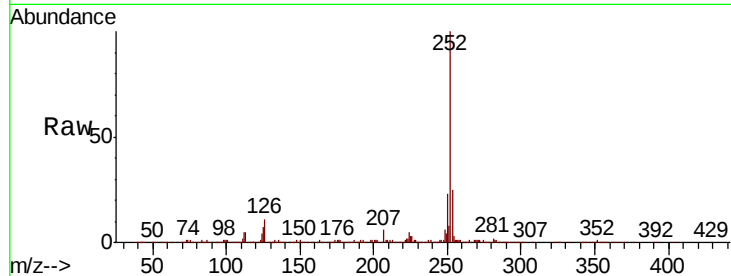
ClientSampleId :

BFMK1DL

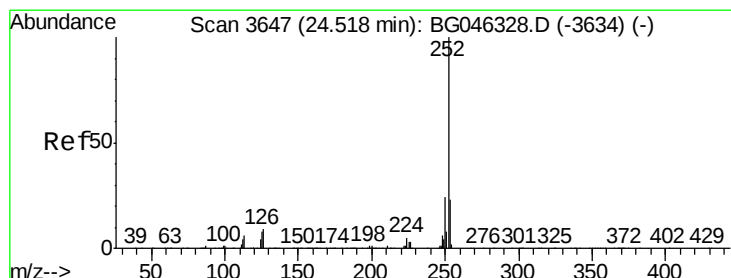
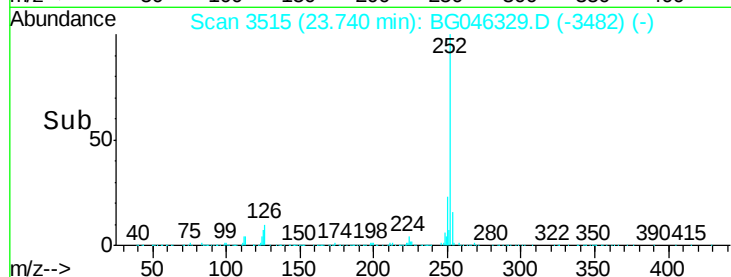
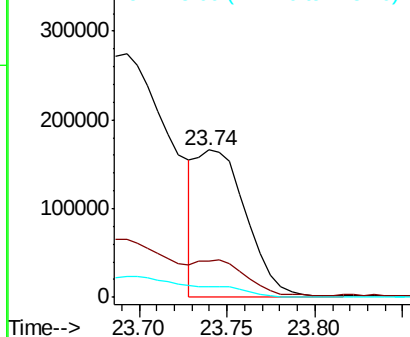
Tot Ion	Ratio	Resp	Lower	Upper
252	100	332395		
253	24.9	18.5	27.7	
125	7.3	6.2	9.2	

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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: 16.840 ng/ul

RT: 24.52 min Scan# 3648

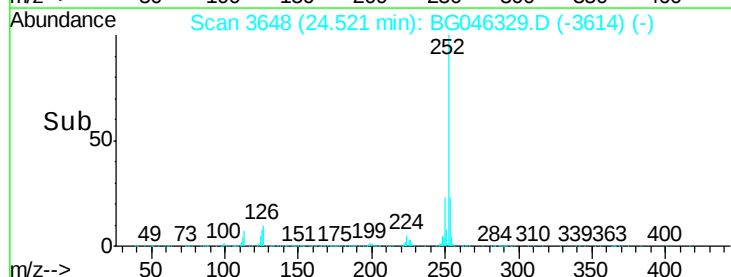
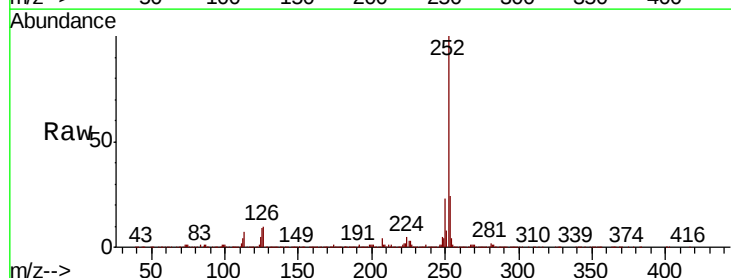
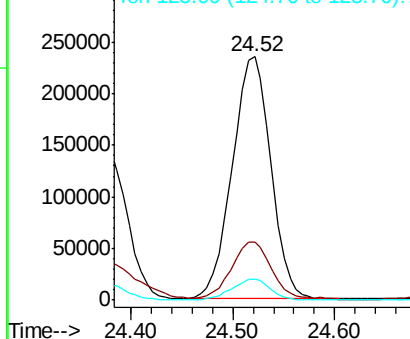
Delta R.T. -0.00 min

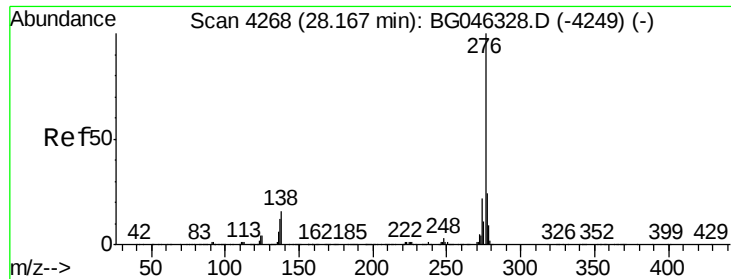
Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	619969		
253	23.6	17.8	26.8	
125	8.6	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





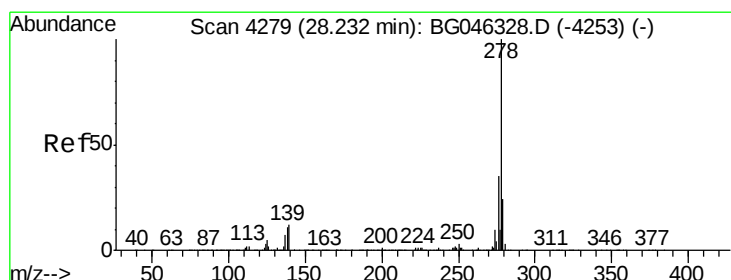
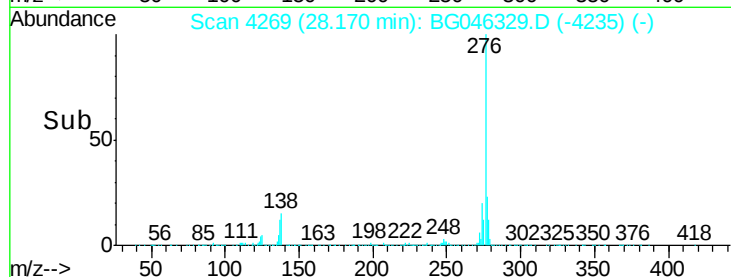
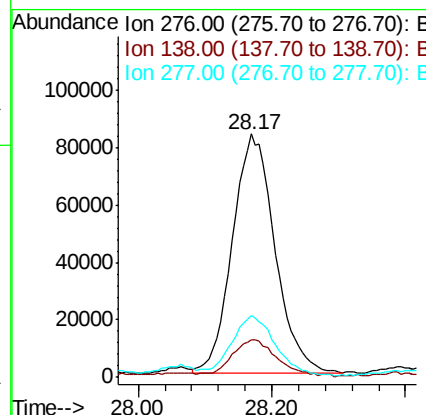
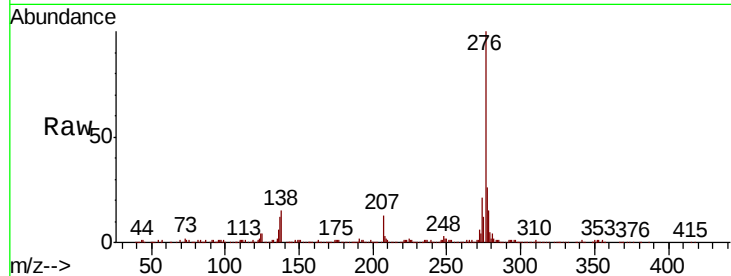
#28
 Indeno(1,2,3-cd)pyrene
 Concen: 7.948 ng/ul
 RT: 28.17 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: BG046329.D
 Acq: 18 Aug 2020 15:48

Instrument :
 BNA_G
 ClientSampleId :
 BFMK1DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.2	13.2	19.8
277	25.5	19.9	29.9

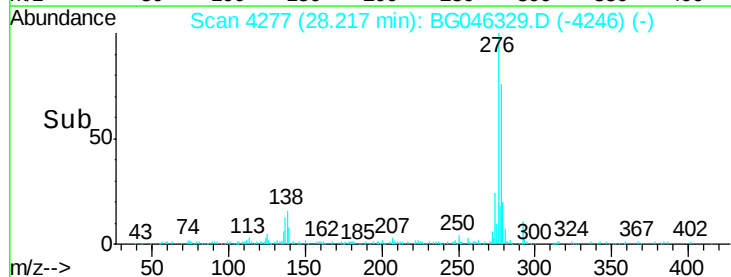
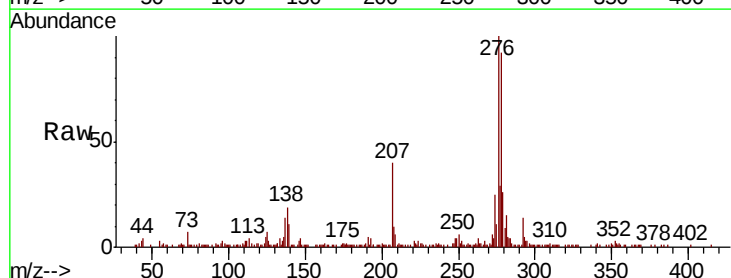
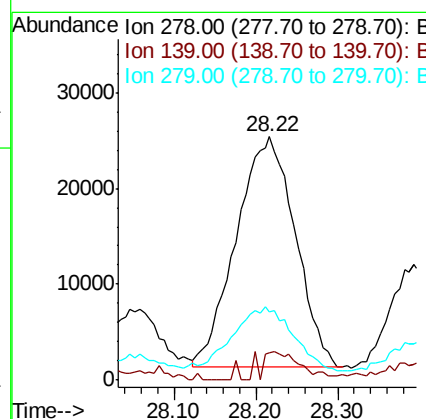
Manual Integrations
 APPROVED

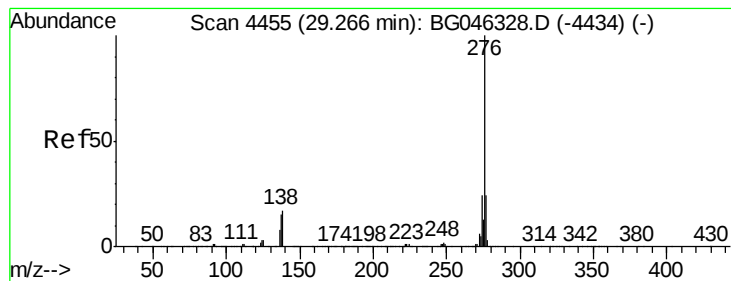
mohammad
 8/19/2020 2:17:55 PM



#29
 Dibenzo(a,h)anthracene
 Concen: 3.221 ng/ul
 RT: 28.22 min Scan# 4277
 Delta R.T. -0.02 min
 Lab File: BG046329.D
 Acq: 18 Aug 2020 15:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.8	14.8
279	28.1	19.7	29.5





#30

Benzo(a,h,i)perylene

Concen: 6.631 ng/ul

RT: 29.26 min Scan# 4455

Delta R.T. -0.00 min

Lab File: BG046329.D

Acq: 18 Aug 2020 15:48

Instrument :

BNA_G

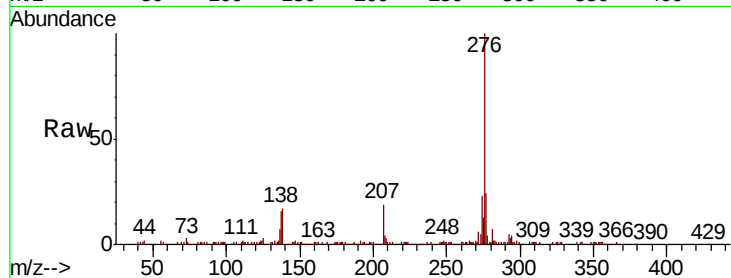
ClientSampleId :

BFMK1DL

Tot Ion:	276	Resp:	255795
Ion Ratio	Lower	Upper	
276	100		
138	16.8	12.9	19.3
277	24.0	19.4	29.0

Manual Integrations
APPROVED

mohammad
8/19/2020 2:17:55 PM



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

