

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081920\
 Data File : BG046355.D
 Acq On : 19 Aug 2020 20:47
 Operator : CG/JU
 Sample : L3633-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BFMD8

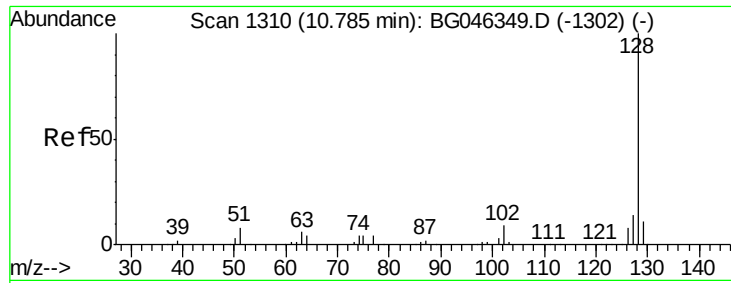
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Quant Time: Aug 20 01:55:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG081320PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 20 01:26:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	99965	20.00	ng/ul	0.00
2) Naphthalene-d8	10.73	136	402699	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.56	164	260282	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.31	188	560953	20.00	ng/ul	0.00
18) Chrysene-d12	21.56	240	538545	20.00	ng/ul	0.00
23) Perylene-d12	24.66	264	575892	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.36	165	114196	16.47	ng/ul	0.00
7) Acenaphthylene-d8	14.26	160	439739	18.36	ng/ul	0.00
10) Fluorene-d10	15.56	176	344841	18.79	ng/ul	0.00
15) Anthracene-d10	17.41	188	520471	20.02	ng/ul	0.00
19) Pyrene-d10	19.69	212	594246	21.44	ng/ul	0.00
26) Benzo(a)pyrene-d12	24.45	264	645082	20.53	ng/ul	0.00
Target Compounds						
					Qvalue	
4) Naphthalene	10.79	128	23377	1.116	ng/ul	99
8) Acenaphthylene	14.29	152	42245	1.735	ng/ul	96
9) Acenaphthene	14.63	153	31894	1.834	ng/ul	96
11) Fluorene	15.61	166	38875	1.912	ng/ul#	99
14) Phenanthrene	17.35	178	780353	25.287	ng/ul	99
16) Anthracene	17.44	178	157382	5.054	ng/ul	100
17) Fluoranthene	19.36	202	1287173	37.406	ng/ul	100
20) Pyrene	19.72	202	1162848	32.895	ng/ul	98
21) Benzo(a)anthracene	21.54	228	743835	21.228	ng/ul	96
22) Chrysene	21.60	228	753963	22.259	ng/ul	98
24) Benzo(b)fluoranthene	23.69	252	1045637	27.457	ng/ul	98
25) Benzo(k)fluoranthene	23.74	252	409041m	10.828	ng/ul	
27) Benzo(a)pyrene	24.52	252	756225	21.630	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	28.18	276	527358	12.046	ng/ul	98
29) Dibenzo(a,h)anthracene	28.22	278	155588	4.383	ng/ul	97
30) Benzo(g,h,i)perylene	29.28	276	429454	11.722	ng/ul	99

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



#4

Naphthalene

Concen: 1.116 ng/ul

RT: 10.79 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

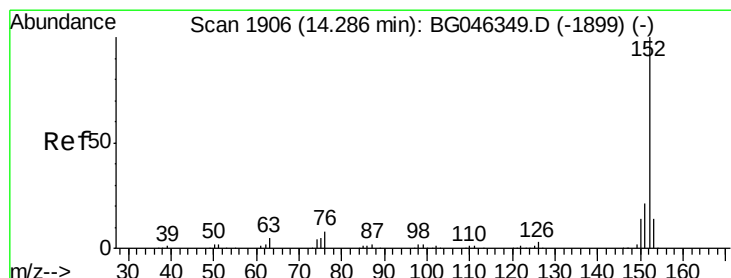
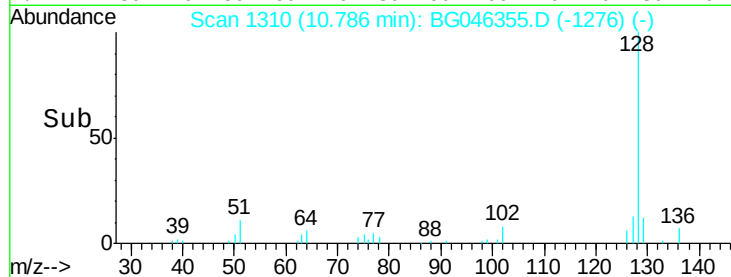
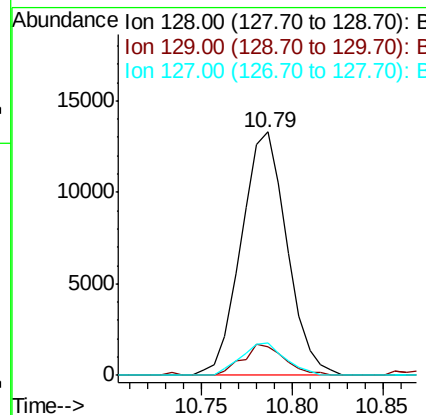
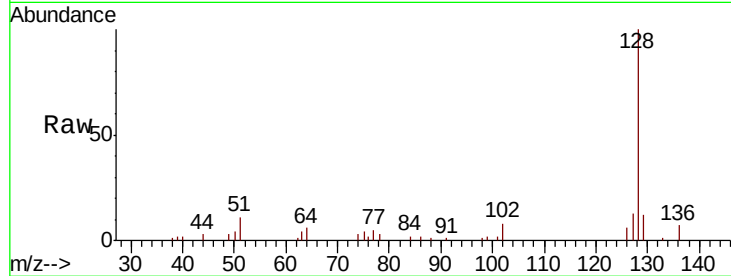
ClientSampleId :

BFMD8

Tot Ion:	128	Resp:	23377
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.0	13.6
127	13.3	10.9	16.3

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#8

Acenaphthylene

Concen: 1.735 ng/ul

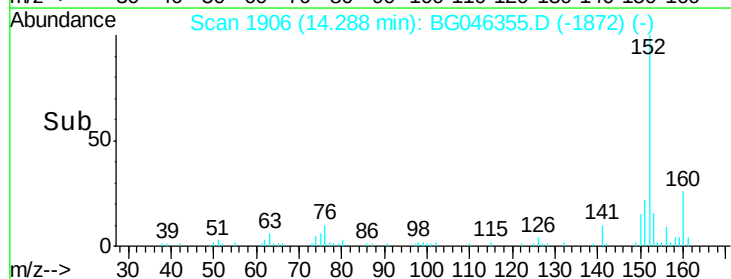
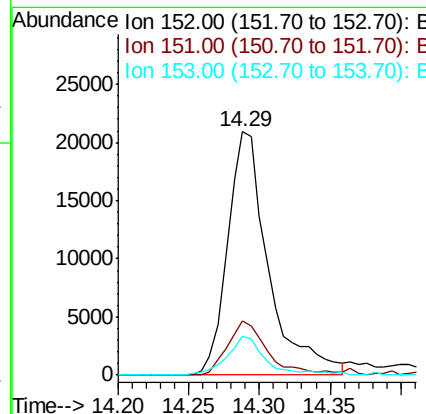
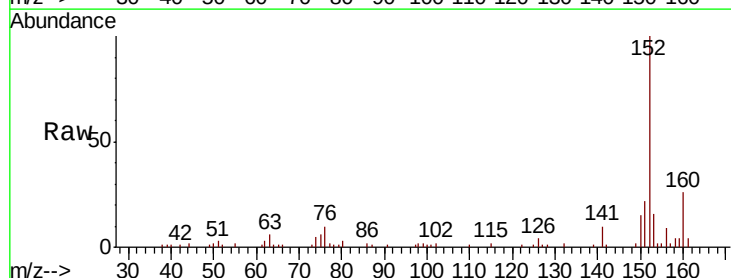
RT: 14.29 min Scan# 1906

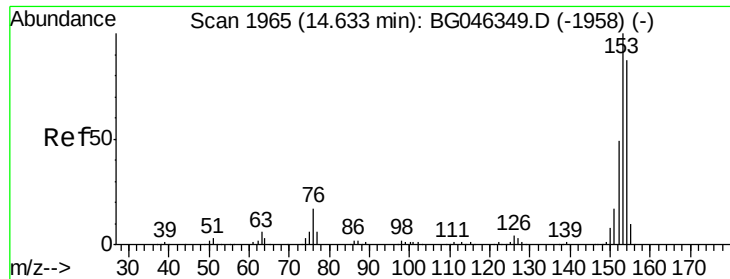
Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Tgt Ion:	152	Resp:	42245
Ion	Ratio	Lower	Upper
152	100		
151	22.3	16.5	24.7
153	15.7	11.0	16.6





#9

Acenaphthene

Concen: 1.834 ng/ul

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

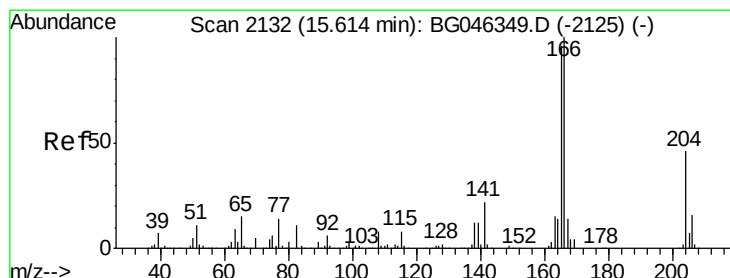
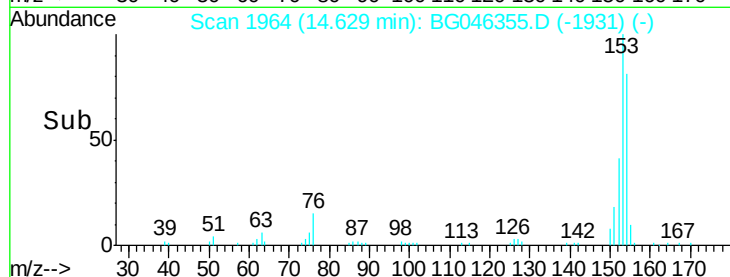
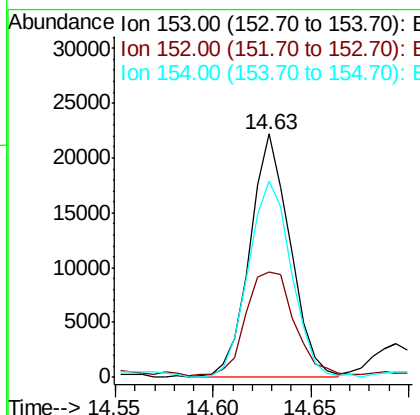
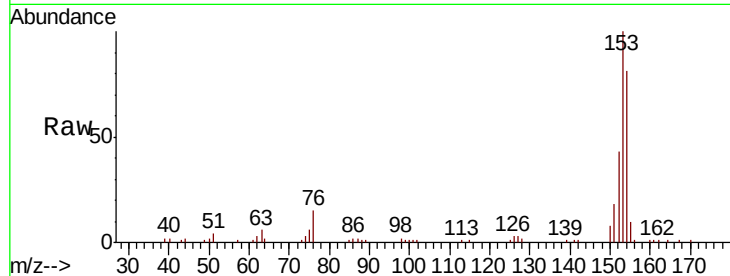
ClientSampled :

BFMD8

Tot Ion:	153	Resp:	31894
Ion	Ratio	Lower	Upper
153	100		
152	43.3	37.2	55.8
154	80.9	67.8	101.6

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#11

Fluorene

Concen: 1.912 ng/ul

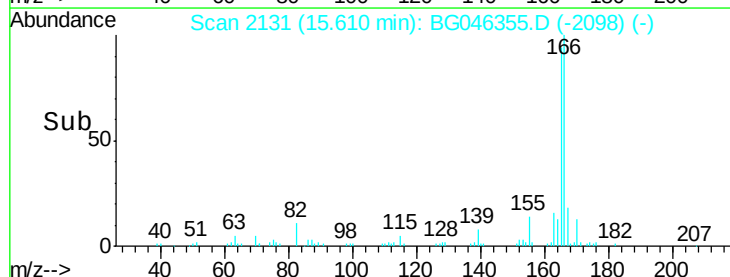
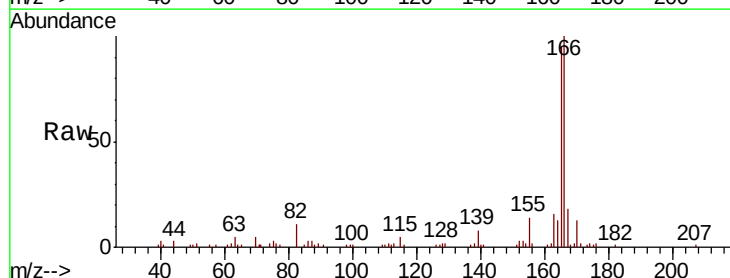
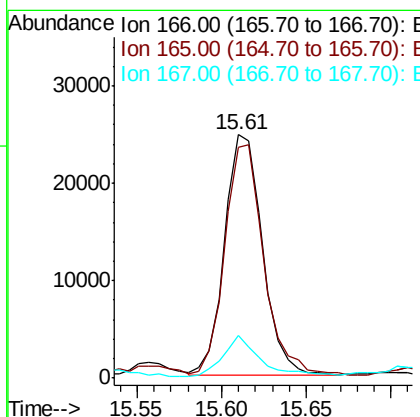
RT: 15.61 min Scan# 2131

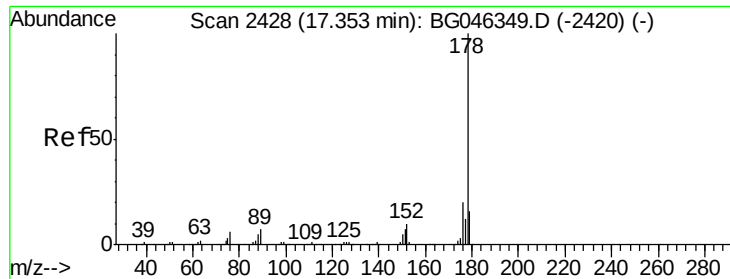
Delta R.T. -0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Tgt Ion:	166	Resp:	38875
Ion	Ratio	Lower	Upper
166	100		
165	95.0	75.9	113.9
167	17.8	10.7	16.1#





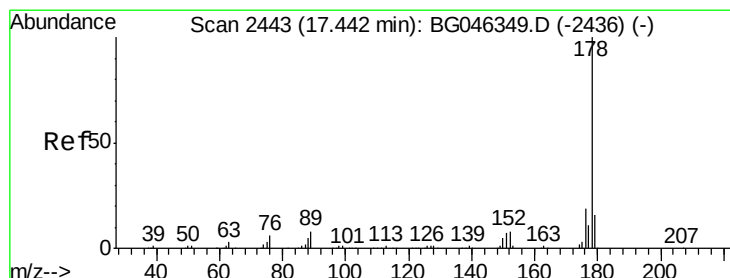
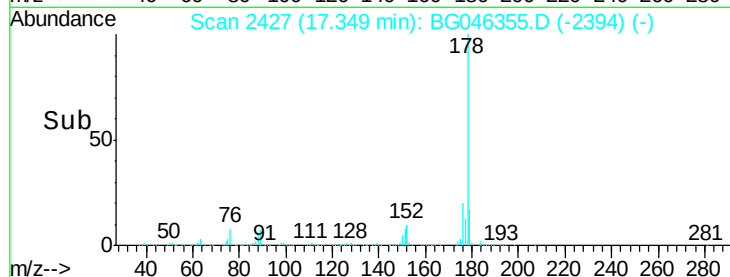
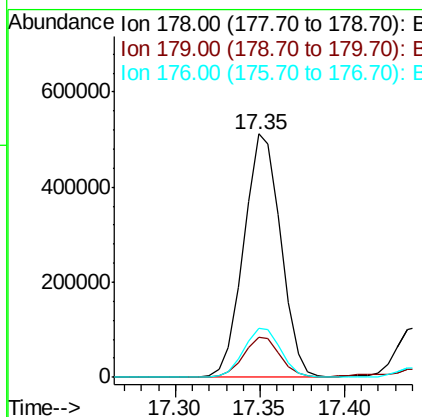
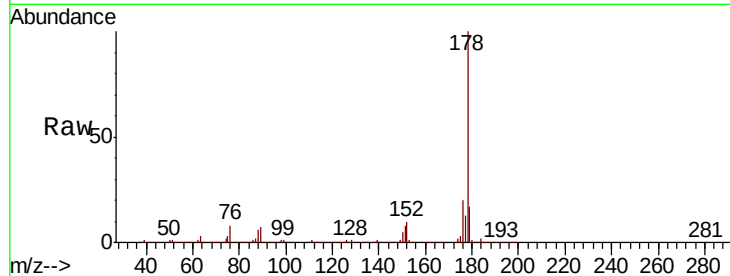
#14
Phenanthrene
Concen: 25.287 ng/ul
RT: 17.35 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG046355.D
Acq: 19 Aug 2020 20:47

Instrument :
BNA_G
ClientSampleId :
BFMD8

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.8	19.2
176	20.0	15.8	23.8

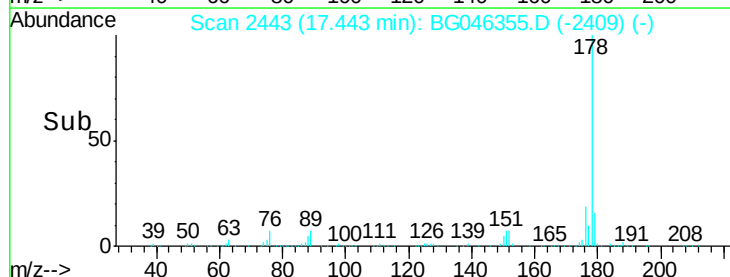
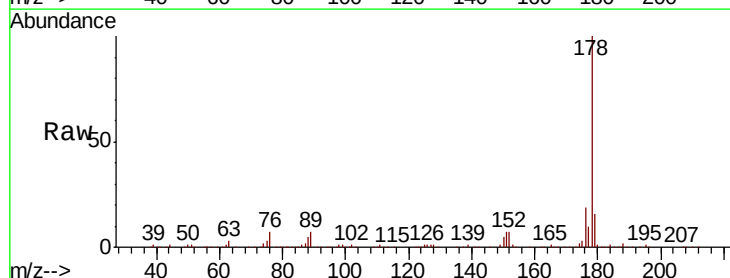
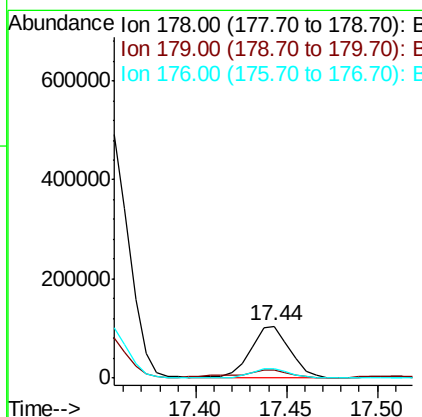
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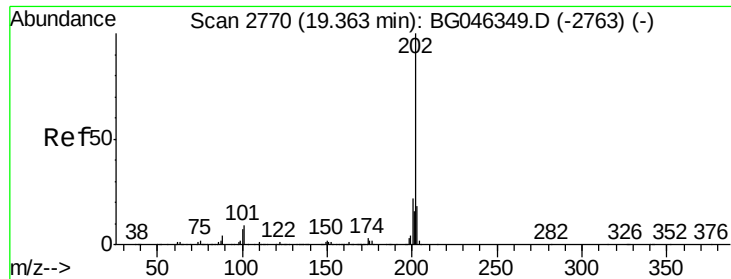
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#16
Anthracene
Concen: 5.054 ng/ul
RT: 17.44 min Scan# 2443
Delta R.T. 0.00 min
Lab File: BG046355.D
Acq: 19 Aug 2020 20:47

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.4	13.2	19.8
176	18.7	15.2	22.8





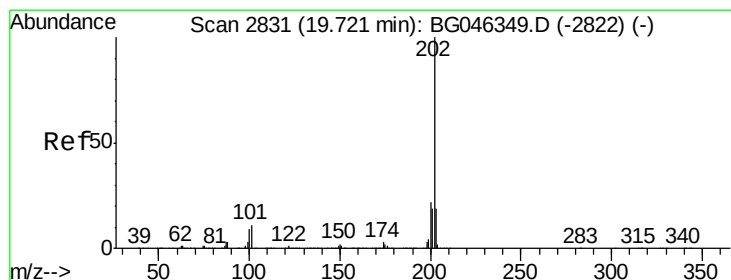
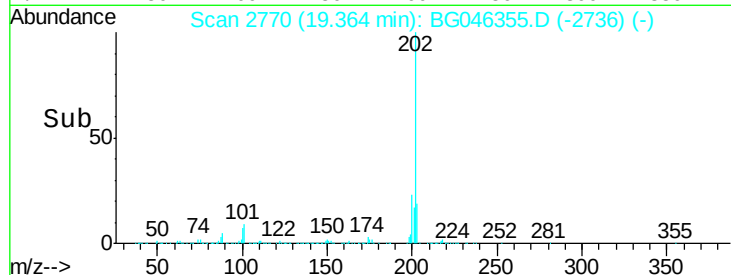
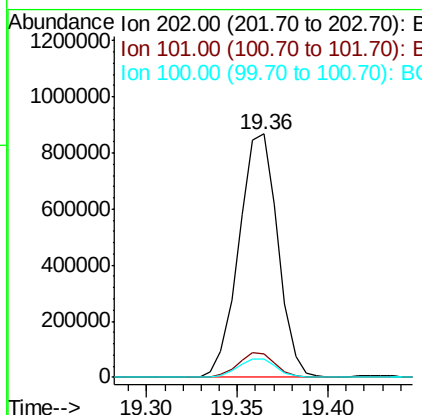
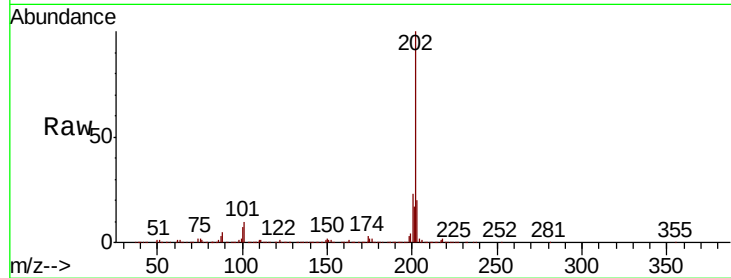
#17
Fluoranthene
 Concen: 37.406 ng/ul
 RT: 19.36 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: BG046355.D
 Acq: 19 Aug 2020 20:47

Instrument :
 BNA_G
 ClientSampled :
 BFMD8

Tot Ion:	202	Resp:	1287173
Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.8	11.6
100	7.3	5.9	8.9

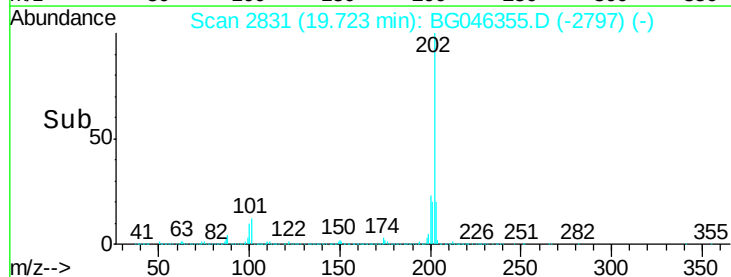
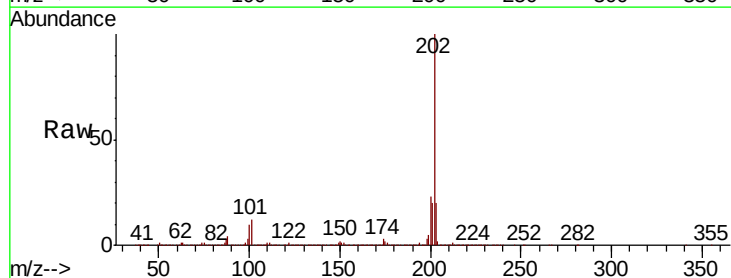
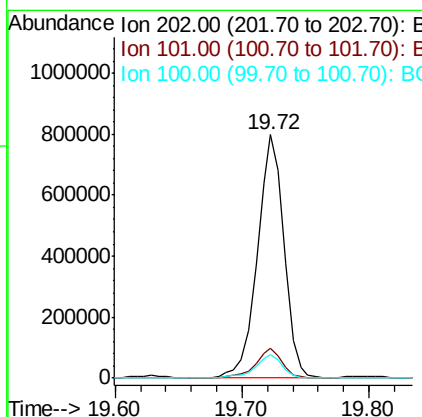
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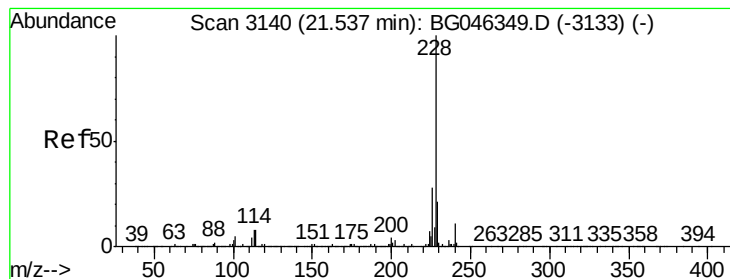
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#20
Pyrene
 Concen: 32.895 ng/ul
 RT: 19.72 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: BG046355.D
 Acq: 19 Aug 2020 20:47

Tgt Ion:	202	Resp:	1162848
Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.9	13.3
100	9.8	7.9	11.9





#21

Benzo(a)anthracene

Concen: 21.228 ng/ul

RT: 21.54 min Scan# 3140

Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

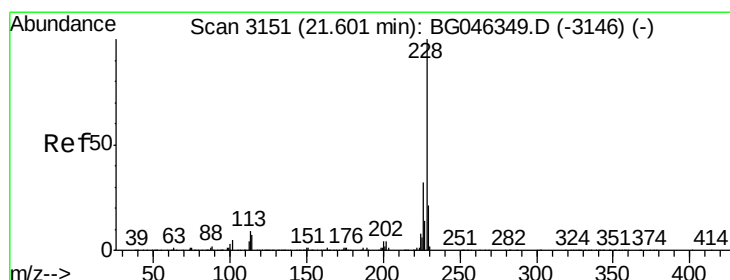
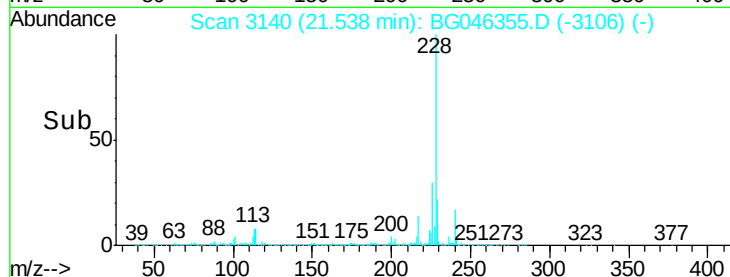
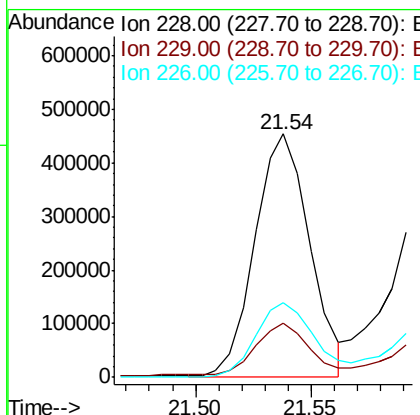
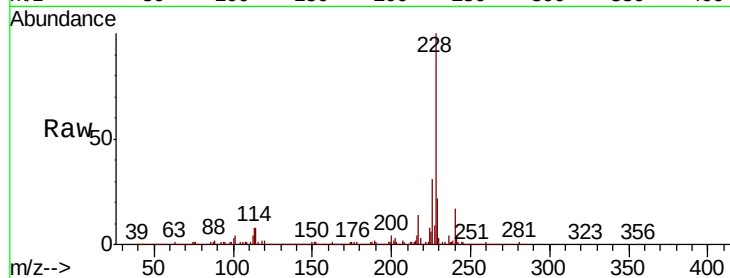
ClientSampleId :

BFMD8

Tot Ion:	228	Resp:	743835
Ion Ratio	Lower	Upper	
228	100		
229	22.3	16.6	25.0
226	30.6	22.6	33.8

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#22

Chrysene

Concen: 22.259 ng/ul

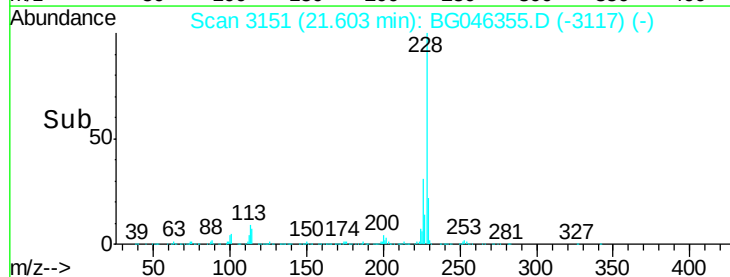
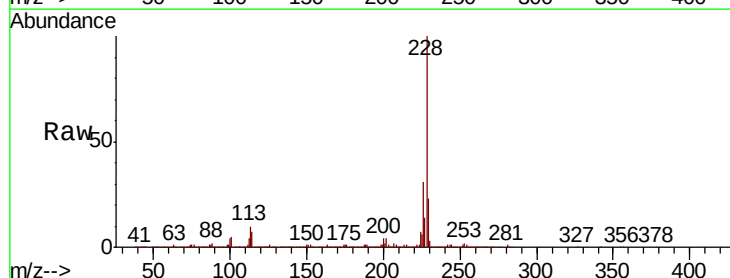
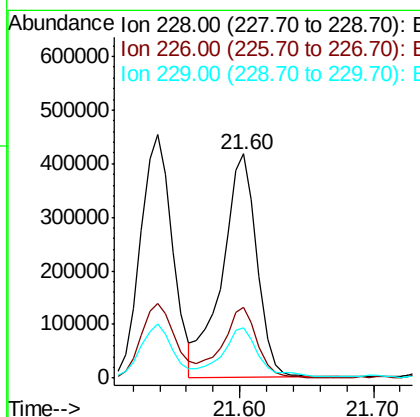
RT: 21.60 min Scan# 3151

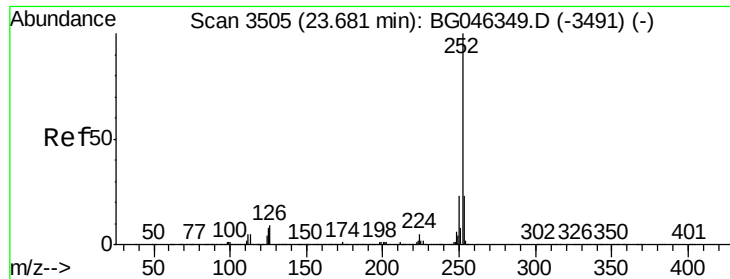
Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Tgt Ion:	228	Resp:	753963
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.5	38.3
229	22.6	17.0	25.4





#24

Benzo(b)fluoranthene

Concen: 27.457 ng/ul

RT: 23.69 min Scan# 3506

Delta R.T. 0.01 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

ClientSampleId :

BFMD8

Tot Ion:252 Resp: 1045637

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

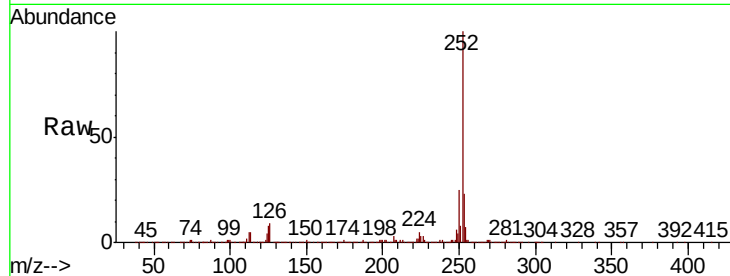
125 8.3 6.4 9.6

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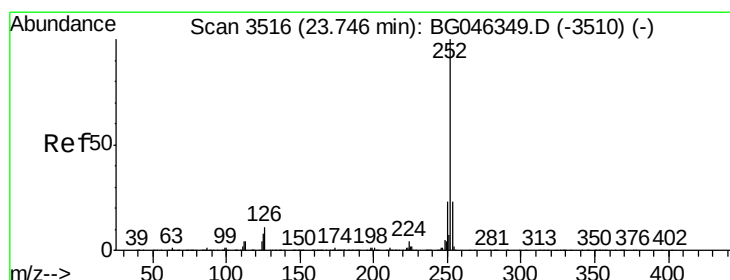
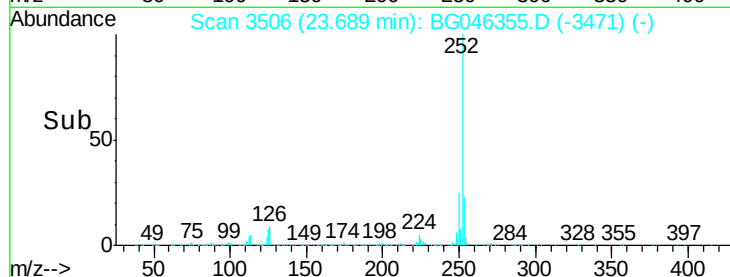
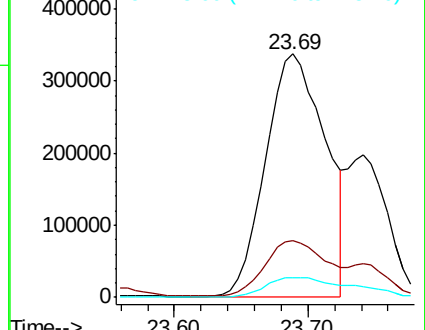
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#25

Benzo(k)fluoranthene

Concen: 10.828 ng/ul m

RT: 23.74 min Scan# 3515

Delta R.T. -0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Tgt Ion:252 Resp: 409041

Ion Ratio Lower Upper

252 100

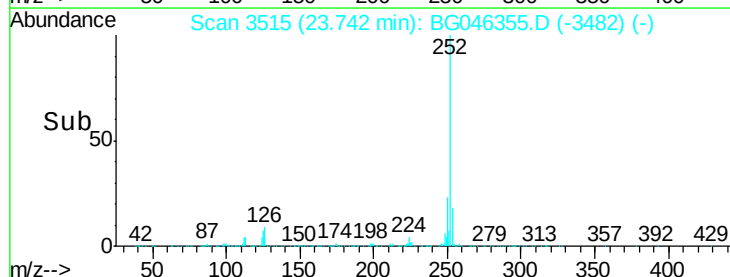
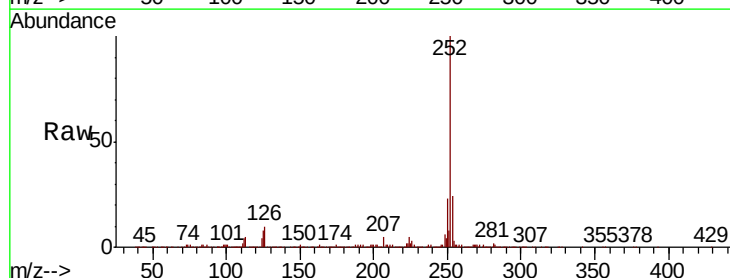
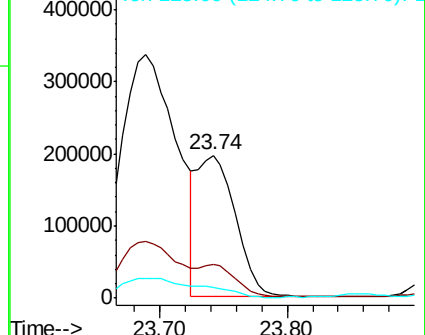
253 23.7 18.5 27.7

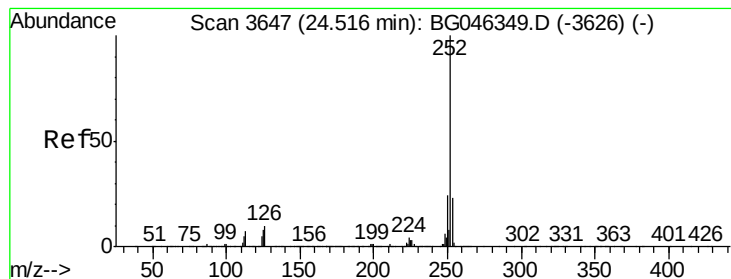
125 7.6 6.2 9.2

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: 21.630 ng/ul

RT: 24.52 min Scan# 3647

Delta R.T. 0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Instrument :

BNA_G

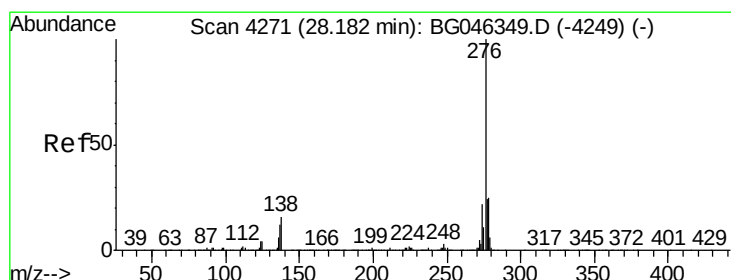
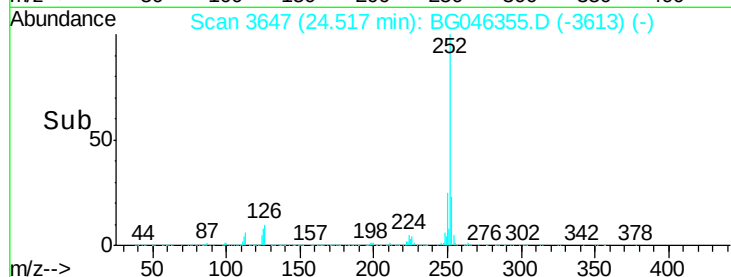
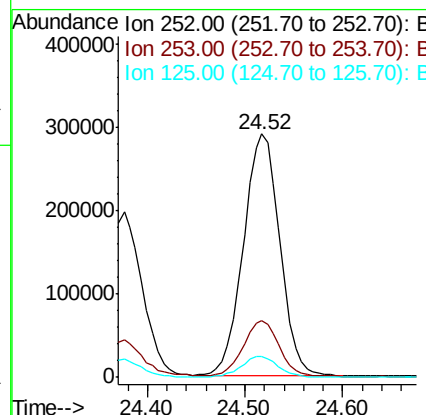
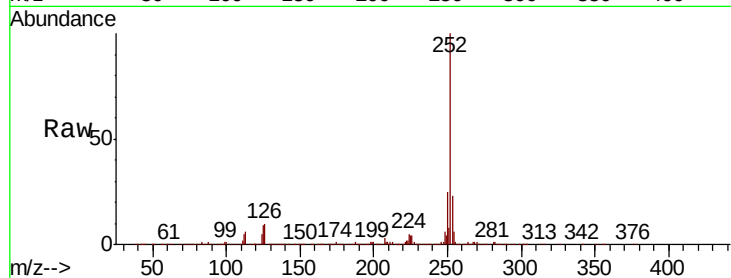
ClientSampleId :

BFMD8

Tot Ion:	252	Resp:	756225
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.8
125	8.7	7.1	10.7

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#28

Indeno(1,2,3-cd)pyrene

Concen: 12.046 ng/ul

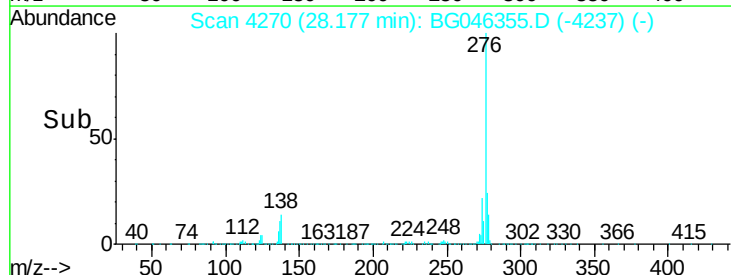
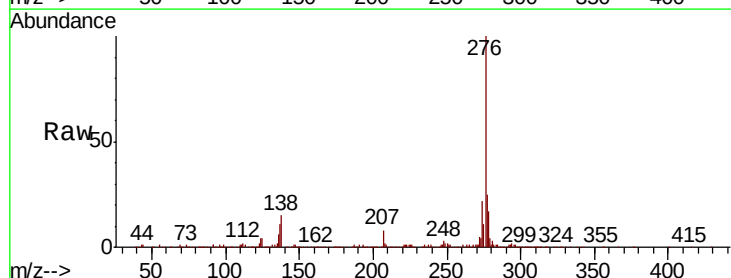
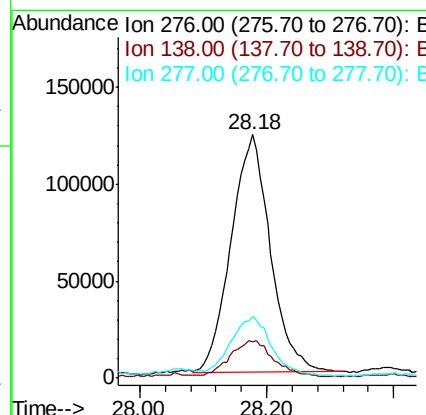
RT: 28.18 min Scan# 4270

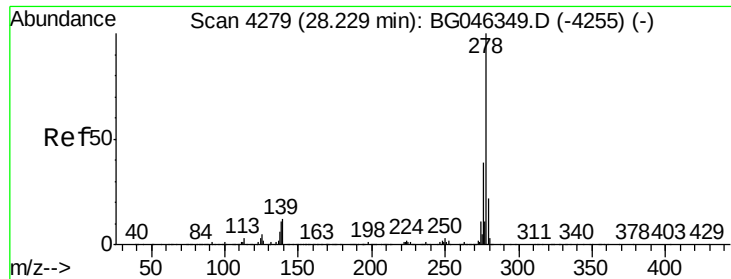
Delta R.T. -0.00 min

Lab File: BG046355.D

Acq: 19 Aug 2020 20:47

Tgt Ion:	276	Resp:	527358
Ion Ratio	Lower	Upper	
276	100		
138	14.7	13.2	19.8
277	25.5	19.9	29.9





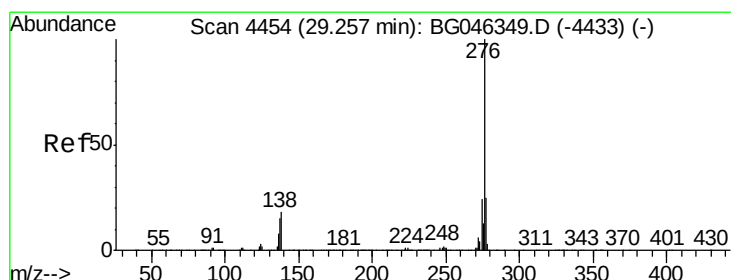
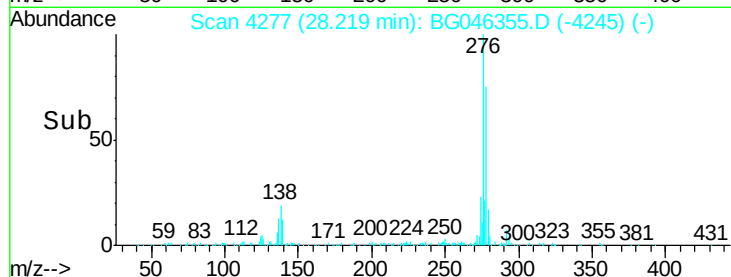
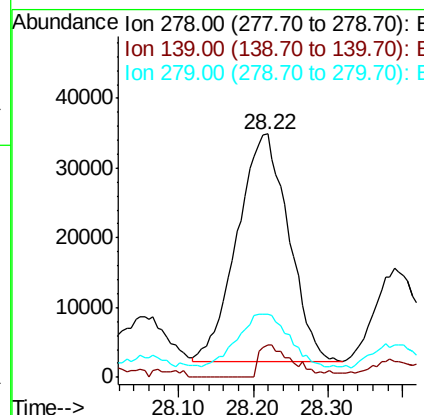
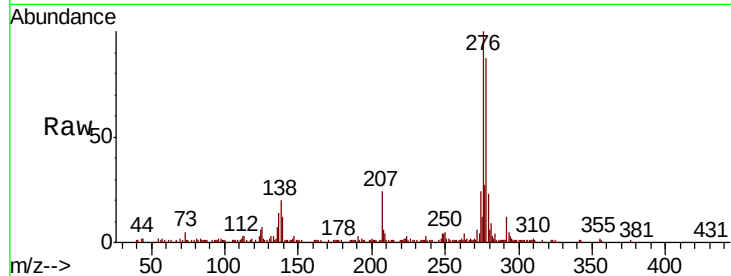
#29
Dibenzo(a,h)anthracene
Concen: 4.383 ng/ul
RT: 28.22 min Scan# 4277
Delta R.T. -0.01 min
Lab File: BG046355.D
Acq: 19 Aug 2020 20:47

Instrument :
BNA_G
ClientSampleId :
BFMD8

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.2	9.8	14.8
279	26.0	19.7	29.5

Manual Integrations
APPROVED

mohammad
8/20/2020 12:23:10 PM



#30
Benzo(g,h,i)perylene
Concen: 11.722 ng/ul
RT: 29.28 min Scan# 4457
Delta R.T. 0.02 min
Lab File: BG046355.D
Acq: 19 Aug 2020 20:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	12.9	19.3
277	24.4	19.4	29.0

