

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
 Data File : BG041358.D
 Acq On : 20 Jun 2019 15:50
 Operator : HP/JU
 Sample : K3163-11 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-061719-B

Manual Integrations
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mohammad
 6/21/2019 9:58:46 PM

Quant Time: Jun 20 16:41:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	44060	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	165226	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	105096	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	250758	20.00	ng	0.00
76) Chrysene-d12	21.75	240	269107	20.00	ng	0.00
87) Perylene-d12	25.08	264	204103	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	121518	50.68	ng	0.00
7) Phenol-d6	7.24	99	181536	52.23	ng	0.00
23) Nitrobenzene-d5	9.26	82	130560	33.23	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	83726	51.89	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	275736	35.66	ng	0.00
79) Terphenyl-d14	20.06	244	444259	32.72	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.95	128	49707	5.535	ng	98
37) 2-Methylnaphthalene	12.55	142	50166	7.585	ng	98
38) 1-Methylnaphthalene	12.77	142	61215	9.674	ng	99
49) Acenaphthylene	14.45	152	71989	6.935	ng	# 95
50) Dimethylphthalate	14.16	163	28842	3.084	ng	98
52) Acenaphthene	14.78	154	37979	6.231	ng	96
55) Dibenzofuran	15.12	168	35882	3.386	ng	# 94
58) Fluorene	15.76	166	88634	10.632	ng	99
71) Phenanthrene	17.51	178	662442	49.533	ng	99
72) Anthracene	17.60	178	194091	14.721	ng	98
73) Carbazole	17.87	167	24713	2.143	ng	# 93
75) Fluoranthene	19.52	202	1170778	65.895	ng	95
78) Pyrene	19.89	202	1399081	77.090	ng	94
81) Benzo(a)anthracene	21.73	228	682852	37.476	ng	98
83) Chrysene	21.80	228	657293	37.511	ng	96
86) Indeno(1,2,3-cd)pyrene	28.89	276	186892	8.990	ng	96
88) Benzo(b)fluoranthene	24.01	252	650773	51.449	ng	# 95
89) Benzo(k)fluoranthene	24.07	252	337087m	26.901	ng	
90) Benzo(a)pyrene	24.92	252	495536	41.482	ng	# 95
91) Dibenzo(a,h)anthracene	28.94	278	48782m	4.056	ng	
92) Benzo(g,h,i)perylene	30.09	276	148130	12.463	ng	94

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

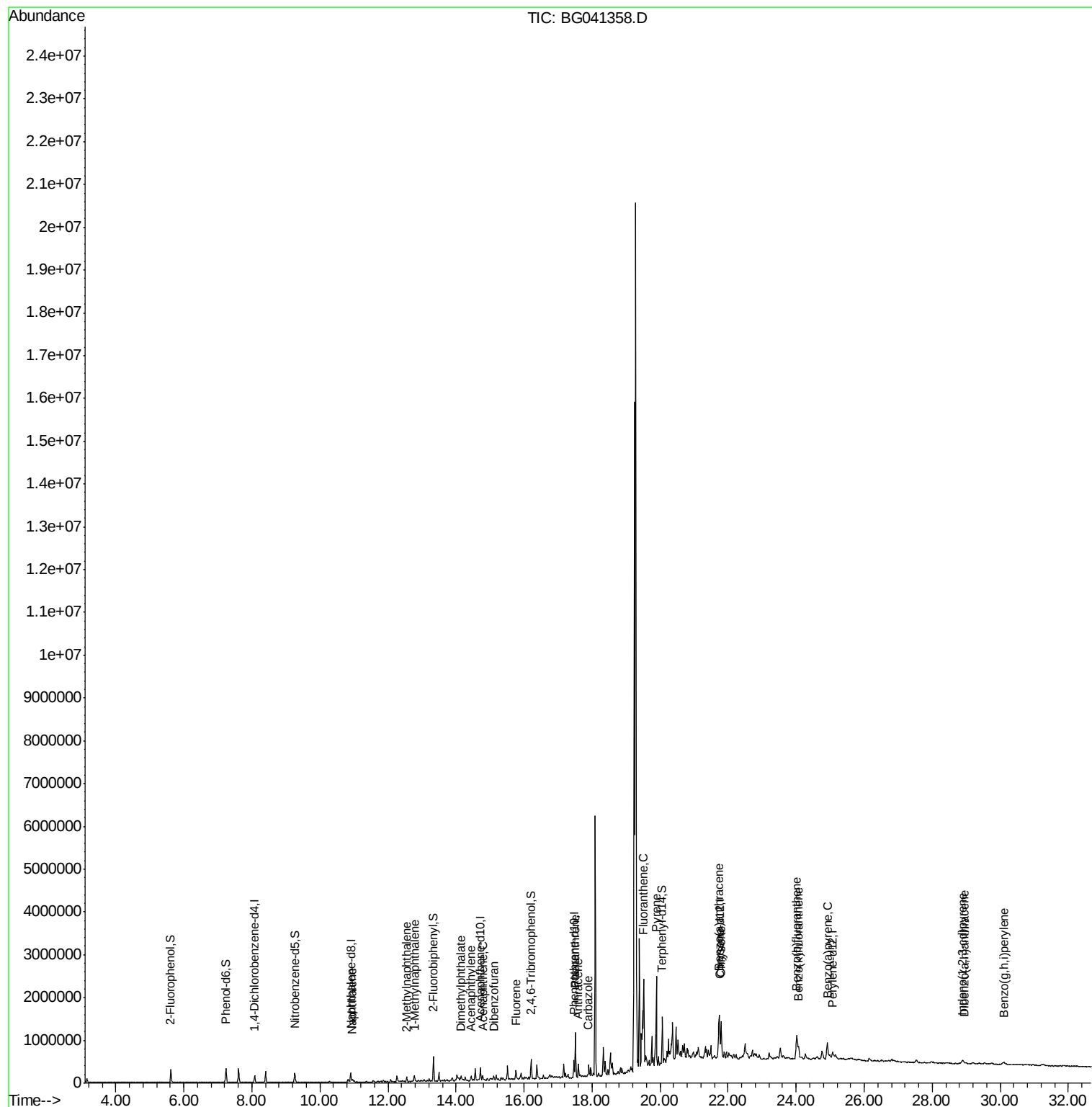
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041358.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 14:58:02 2019
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#1

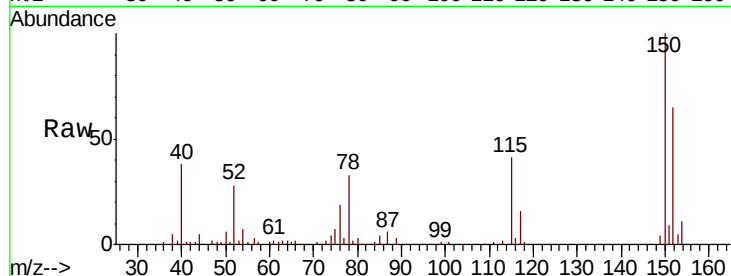
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Instrument :
BNA_G
ClientSampleId :
SU-03-061719-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.6	120.6	181.0
115	63.7	47.9	71.9

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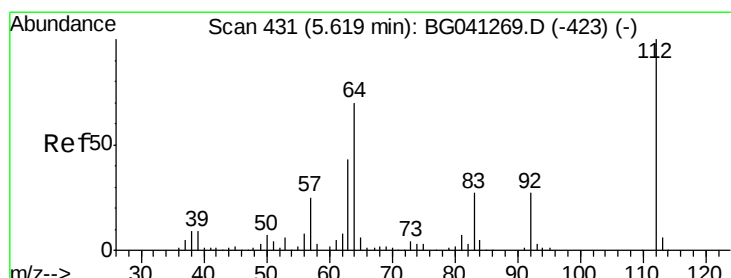
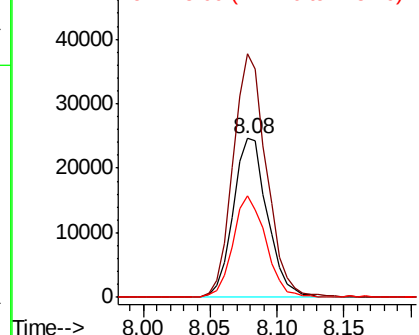
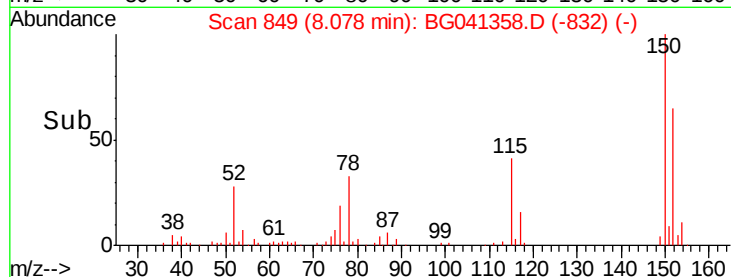


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

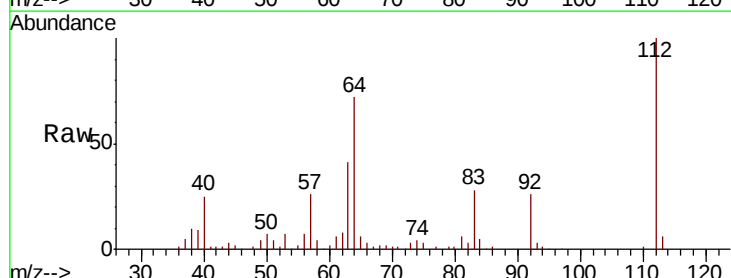
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.676 ng
RT: 5.62 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.5	55.9	83.9
63	40.8	34.6	51.8

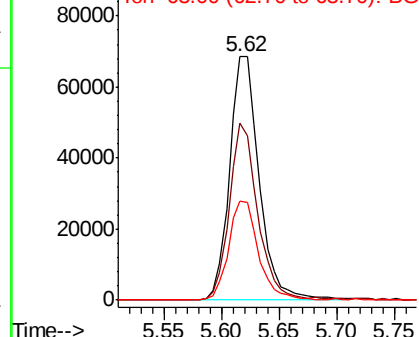
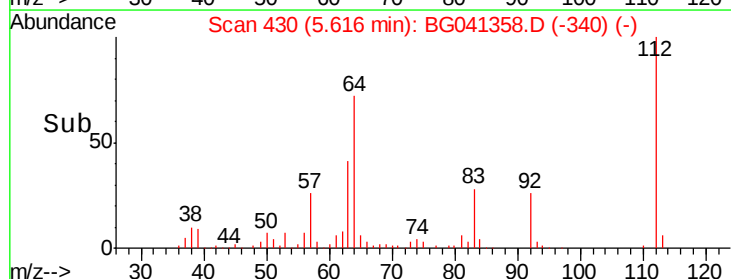


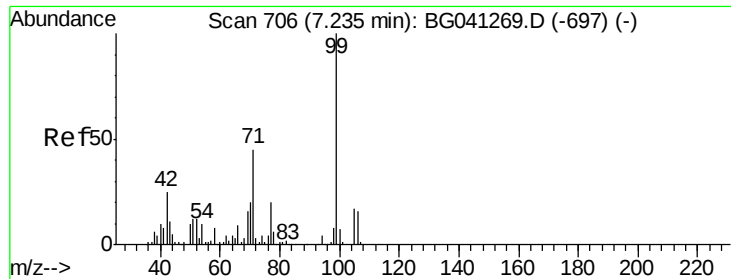
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 52.228 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Instrument :

BNA_G

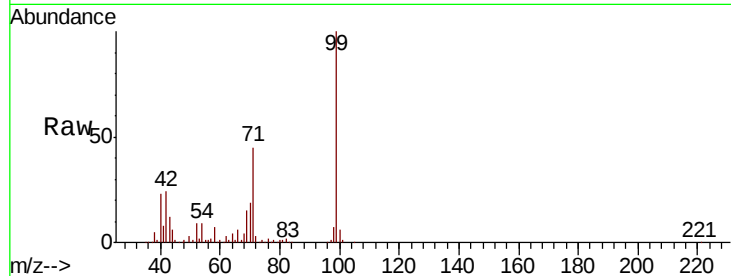
ClientSampleId :

SU-03-061719-B

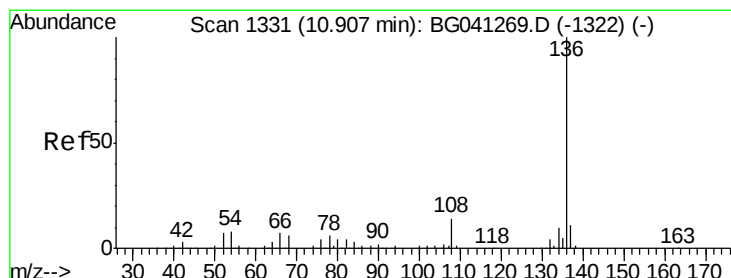
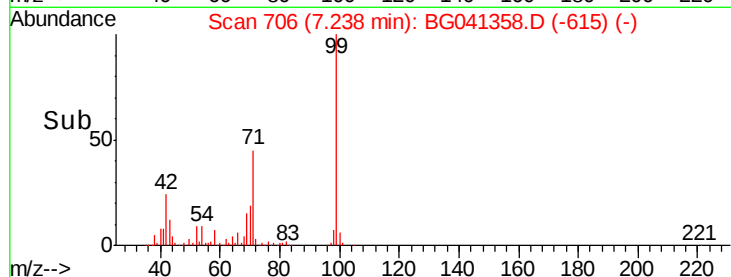
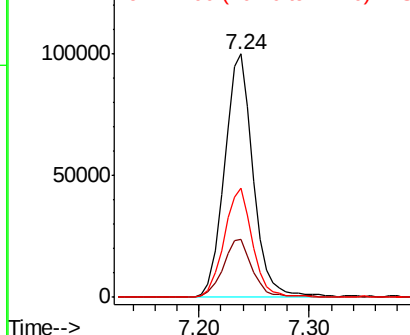
Tgt	Ion	Resp	Lower	Upper
99	100	181536		
42	23.7	19.9	29.9	
71	45.0	36.4	54.6	

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

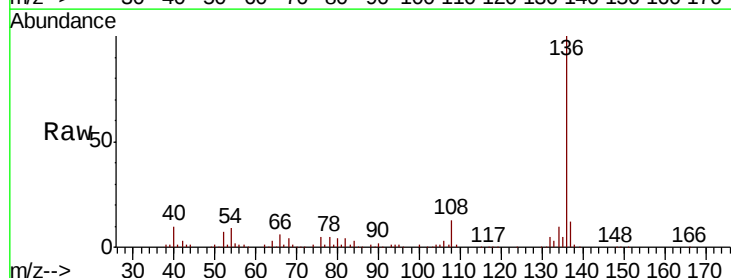
RT: 10.90 min Scan# 1330

Delta R.T. -0.00 min

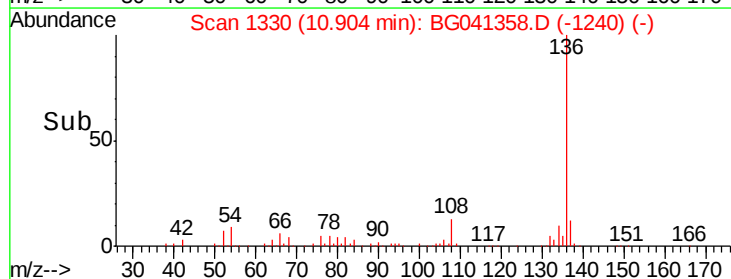
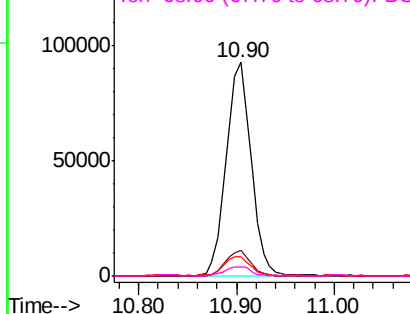
Lab File: BG041358.D

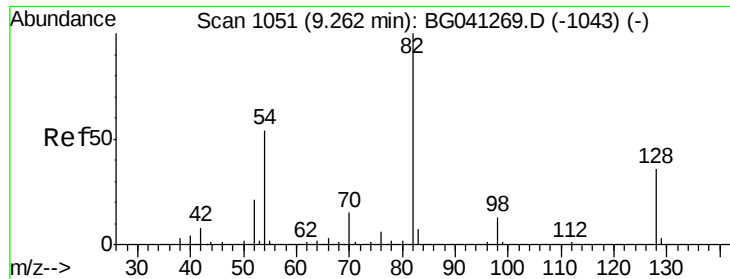
Acq: 20 Jun 2019 15:50

Tgt	Ion	Resp	Lower	Upper
136	100	165226		
137	11.9	8.8	13.2	
54	9.0	6.4	9.6	
68	4.4	4.8	7.2#	



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





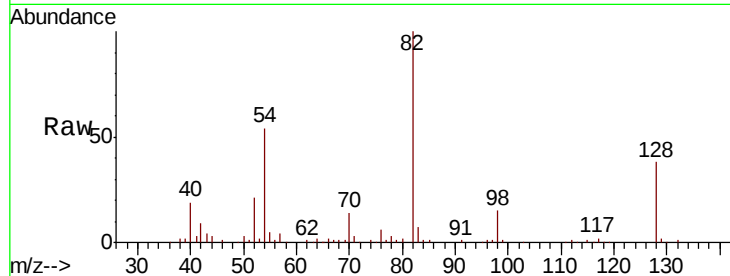
#23
 Nitrobenzene-d5
 Concen: 33.232 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BG041358.D
 Acq: 20 Jun 2019 15:50

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-061719-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	130560		
128	37.9	29.2	43.8	
54	53.7	43.4	65.0	

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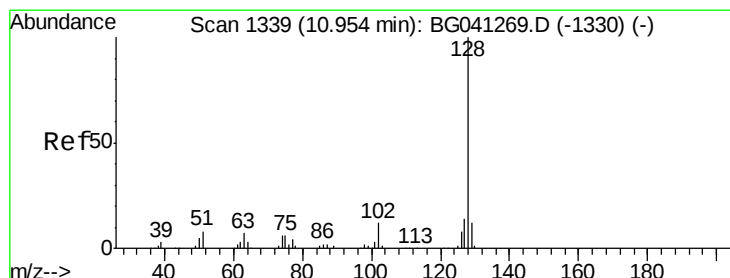
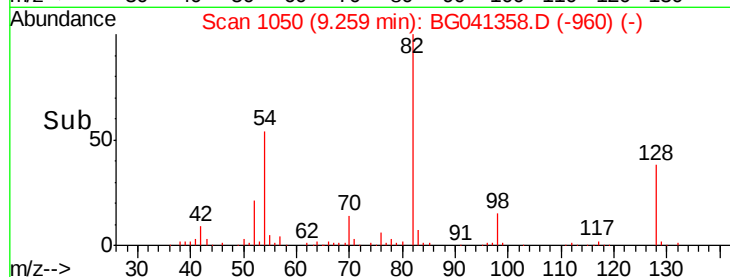
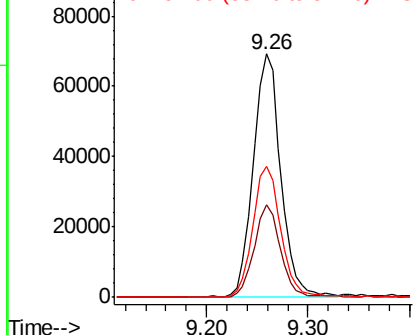


Abundance

Ion 82.00 (81.70 to 82.70): BGC

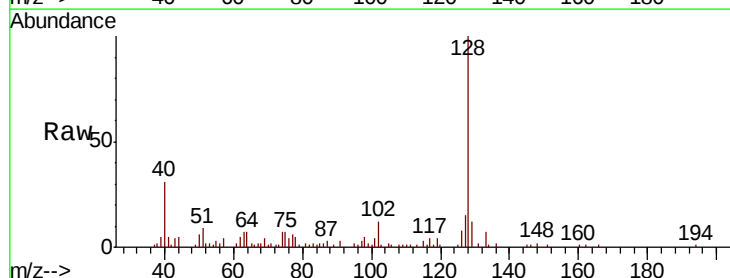
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#31
 Naphthalene
 Concen: 5.535 ng
 RT: 10.95 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: BG041358.D
 Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	49707		
129	12.4	9.4	14.0	
127	14.8	11.2	16.8	

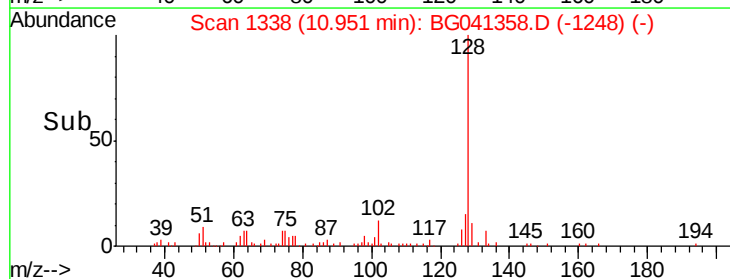
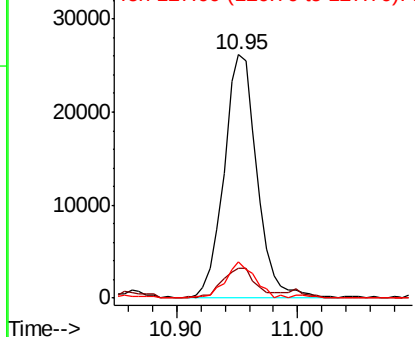


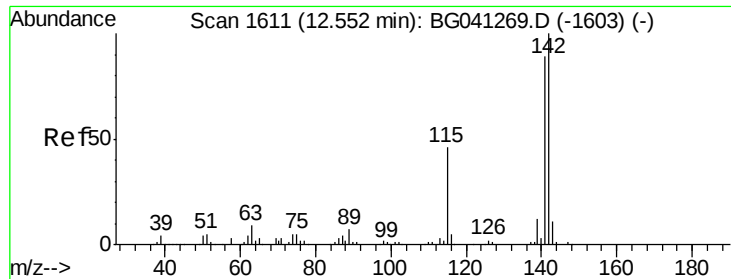
Abundance

Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





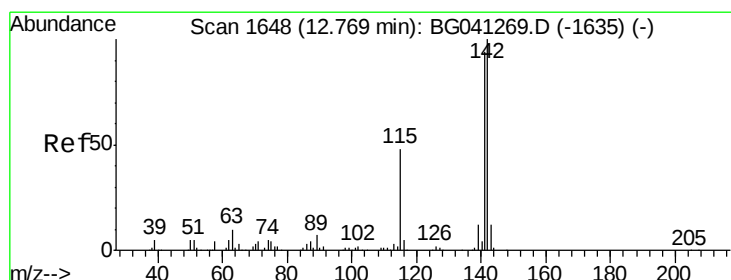
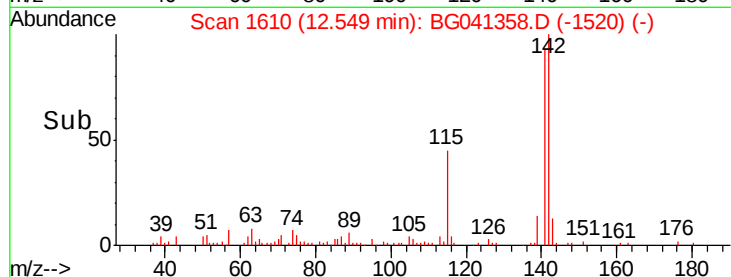
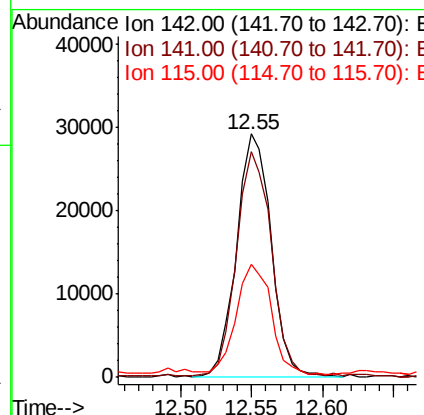
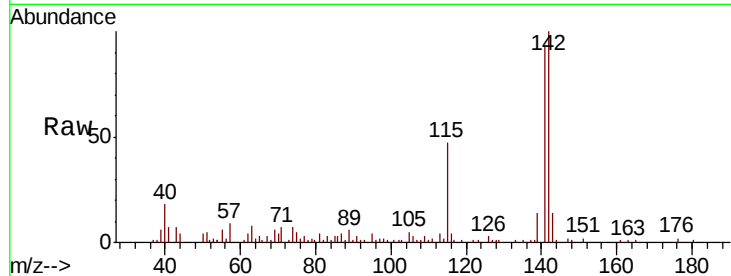
#37
2-Methylnaphthalene
Concen: 7.585 ng
RT: 12.55 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Instrument :
BNA_G
ClientSampleId :
SU-03-061719-B

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	50166		
141	92.6	71.5	107.3	
115	46.5	37.0	55.6	

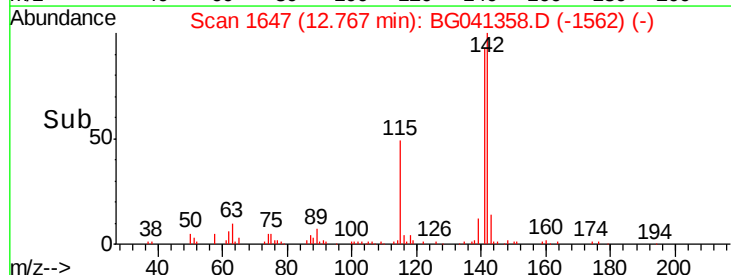
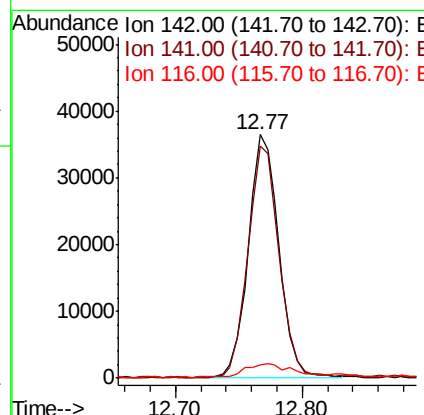
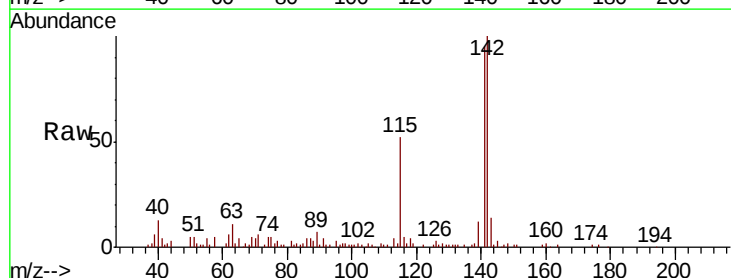
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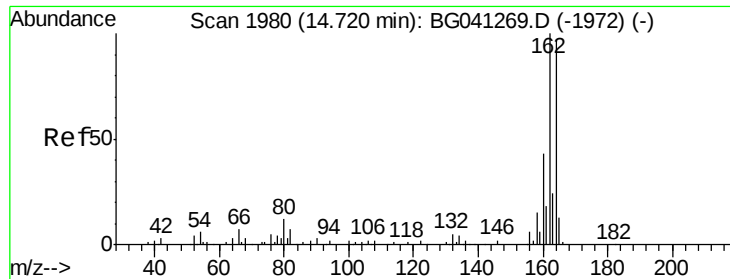
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#38
1-Methylnaphthalene
Concen: 9.674 ng
RT: 12.77 min Scan# 1647
Delta R.T. -0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	61215		
141	95.2	75.0	112.6	
116	5.5	4.2	6.2	





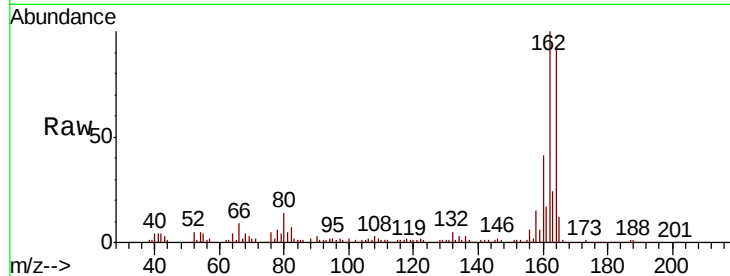
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Instrument :
BNA_G
ClientSampleId :
SU-03-061719-B

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	107.0	82.8	124.2	
160	44.3	35.8	53.8	

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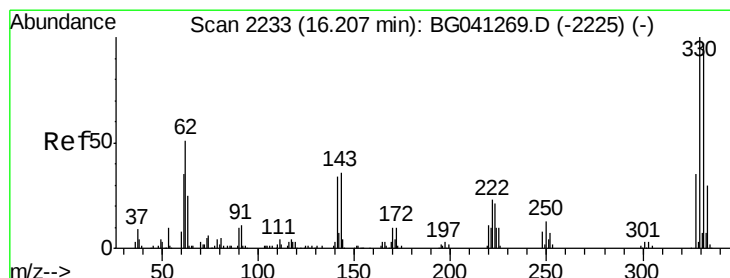
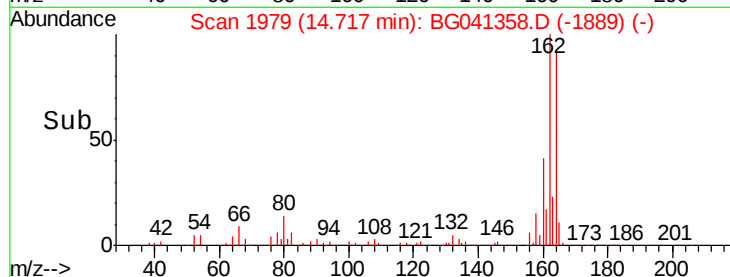
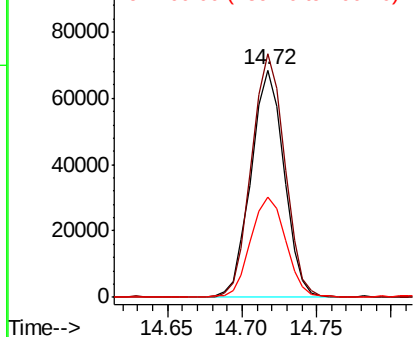


Abundance

Ion 164.00 (163.70 to 164.70): E

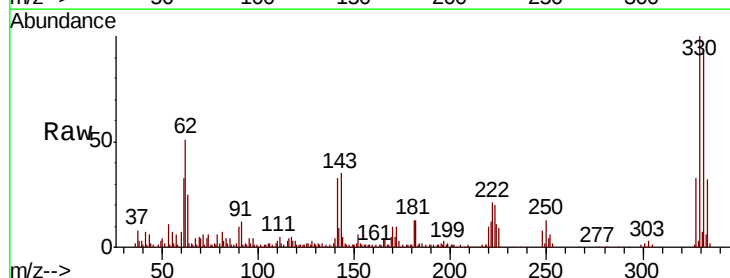
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 51.892 ng
RT: 16.21 min Scan# 2233
Delta R.T. 0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.3	75.5	113.3	
141	36.7	29.0	43.4	

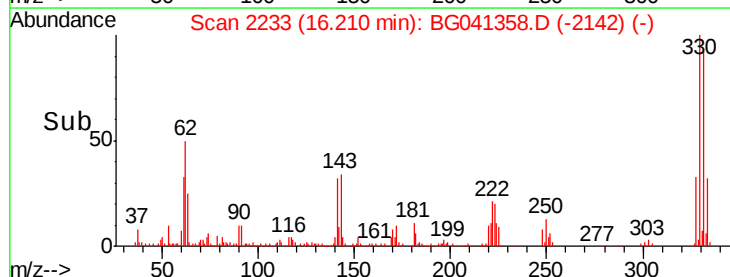
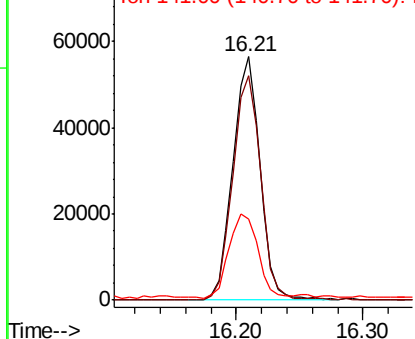


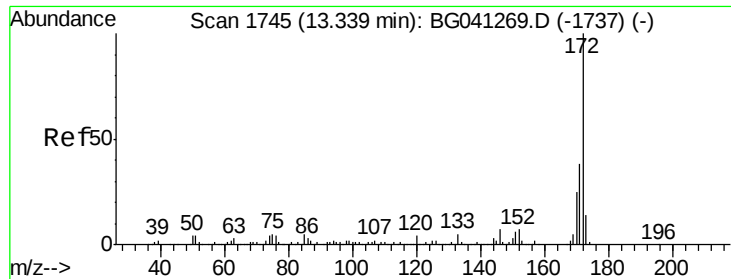
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





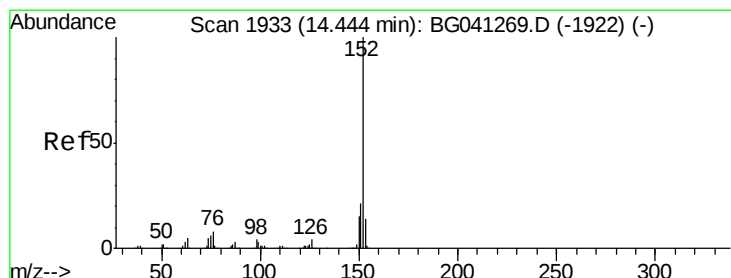
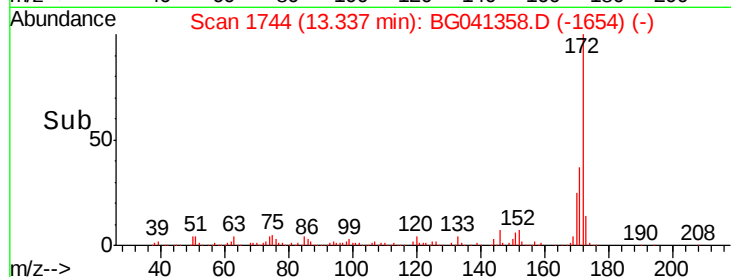
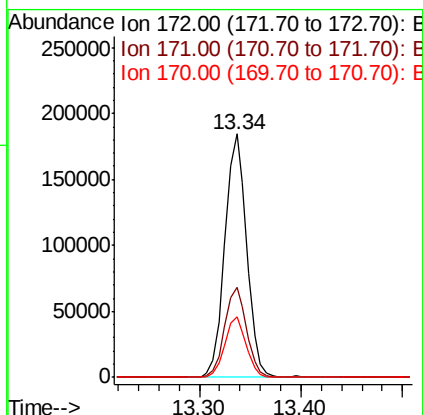
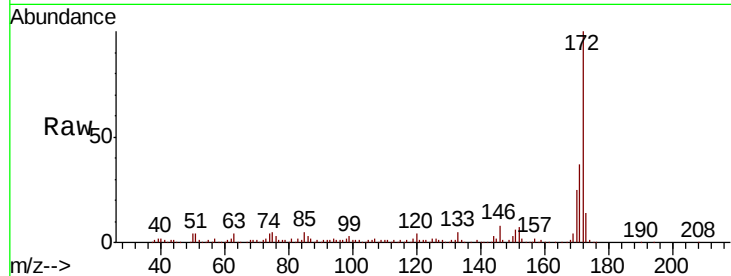
#45
2-Fluorobiphenyl
Concen: 35.660 ng
RT: 13.34 min Scan# 1744
Delta R.T. -0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Instrument :
BNA_G
ClientSampleId :
SU-03-061719-B

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.0	45.0
170	24.9	19.8	29.6

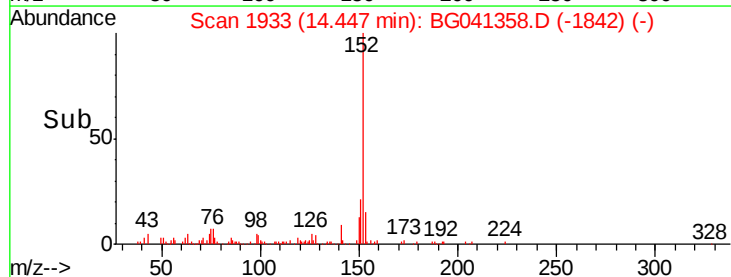
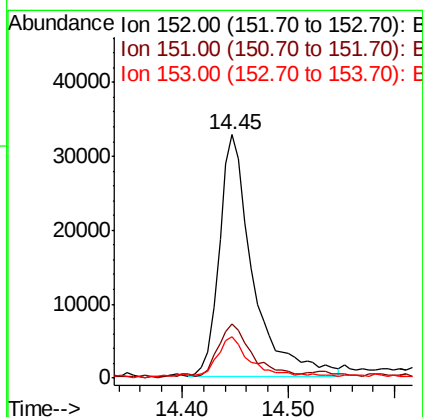
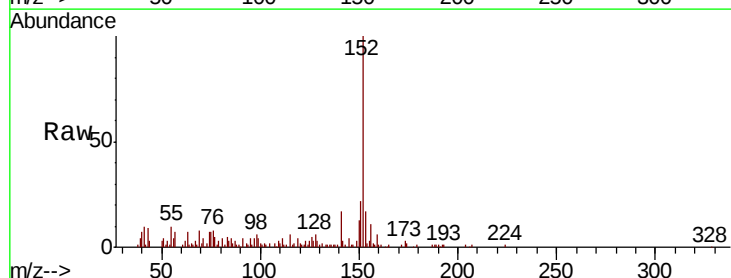
Manual Integrations
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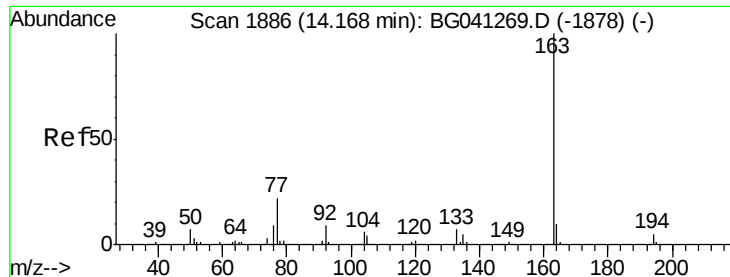
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#49
Acenaphthylene
Concen: 6.935 ng
RT: 14.45 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.1	16.8	25.2
153	16.8	10.8	16.2#





#50

Dimethylphthalate

Concen: 3.084 ng

RT: 14.16 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Instrument :

BNA_G

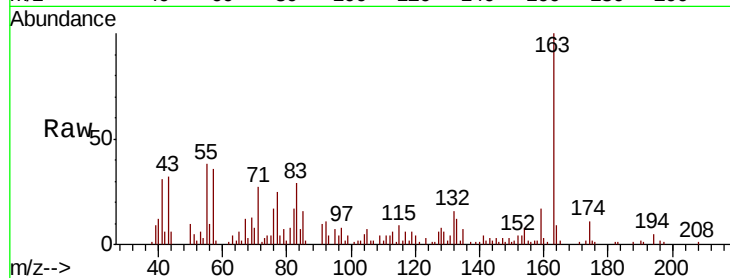
ClientSampleId :

SU-03-061719-B

Tgt Ion:	163	Resp:	28842
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.9	5.9
164	9.3	8.3	12.5

Manual Integrations
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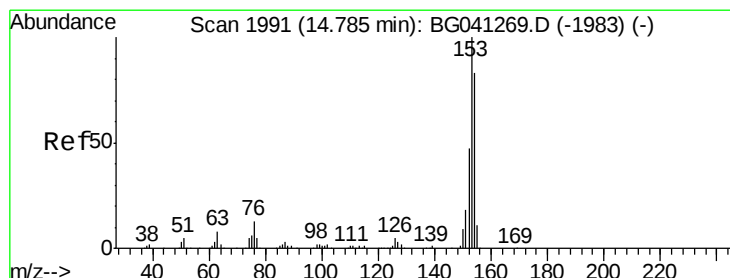
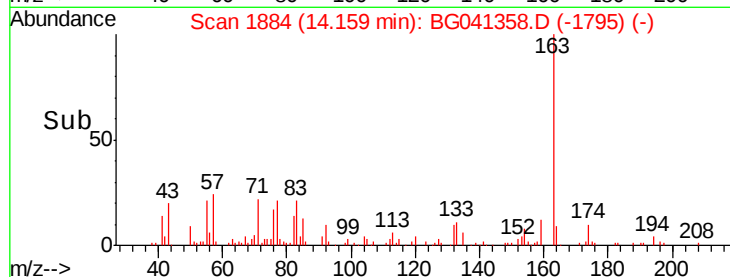
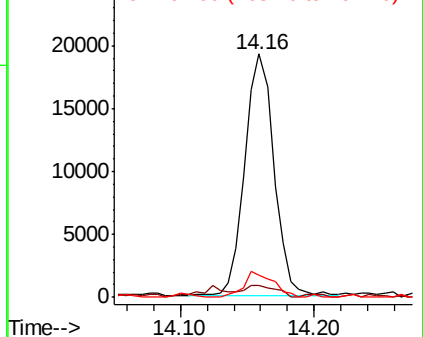


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52

Acenaphthene

Concen: 6.231 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

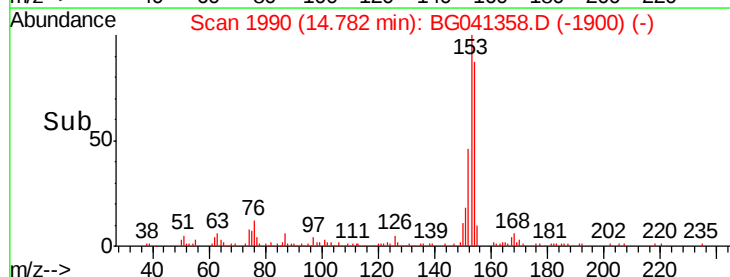
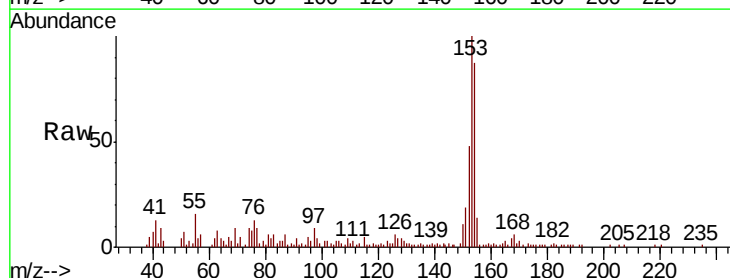
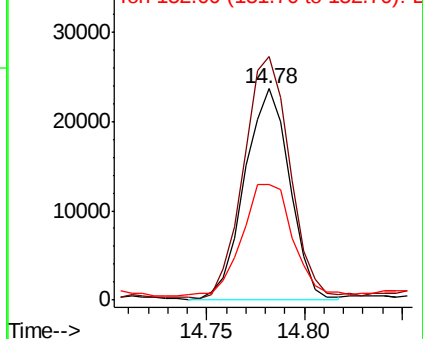
Tgt Ion:	154	Resp:	37979
Ion Ratio	Lower	Upper	
154	100		
153	115.2	96.6	145.0
152	54.9	45.5	68.3

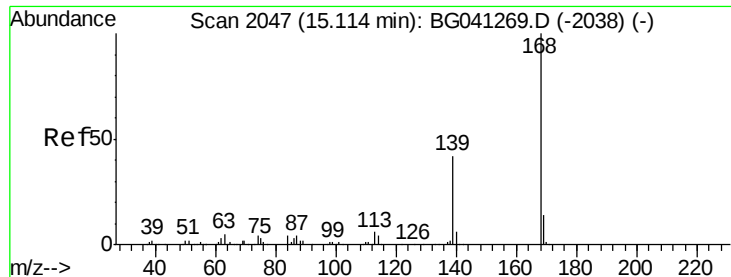
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





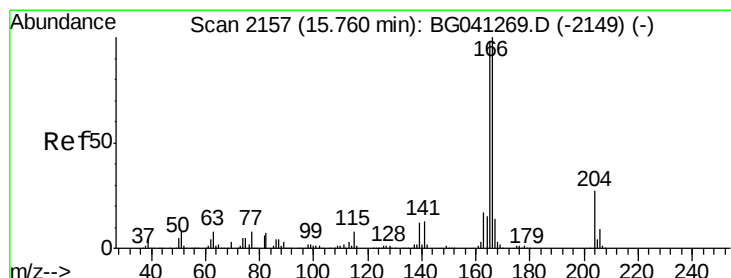
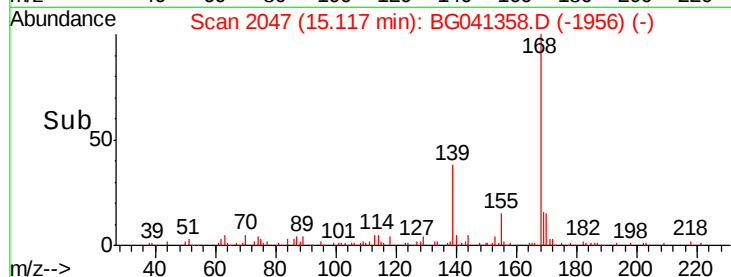
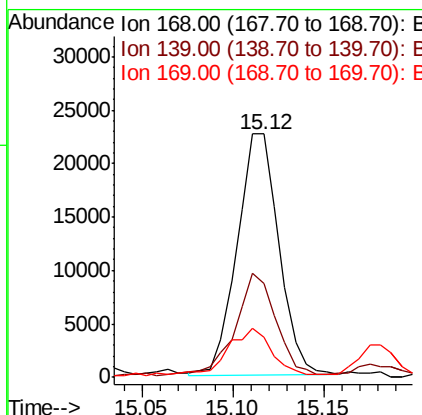
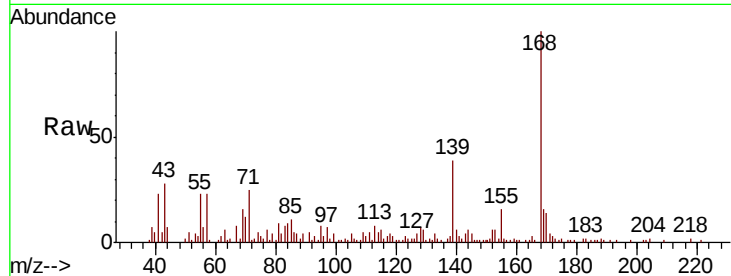
#55
Dibenzenofuran
Concen: 3.386 ng
RT: 15.12 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Instrument :
BNA_G
ClientSampleId :
SU-03-061719-B

Tgt Ion	Ratio	Lower	Upper
168	100		
139	38.6	33.6	50.4
169	16.4	10.8	16.2

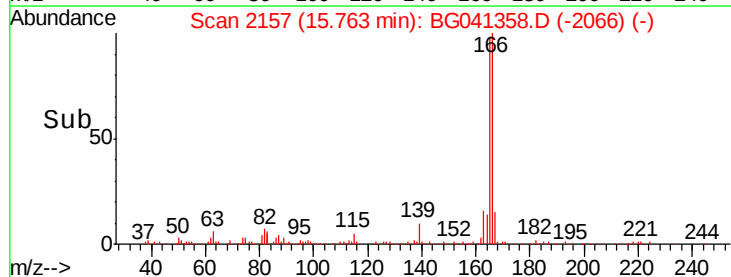
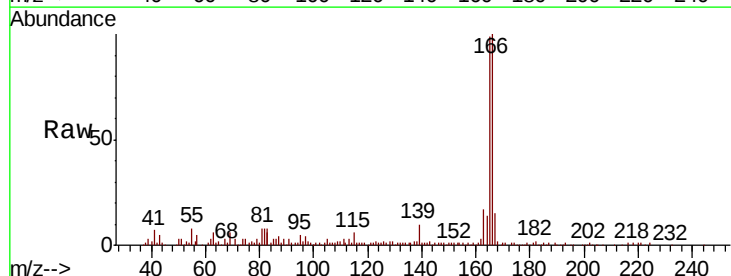
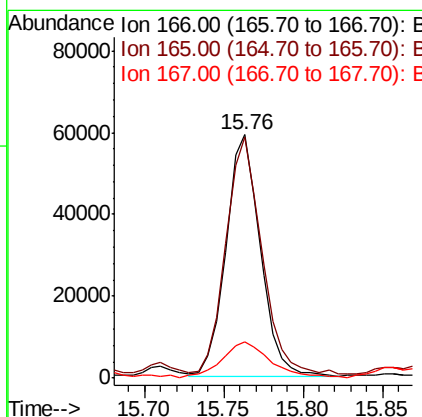
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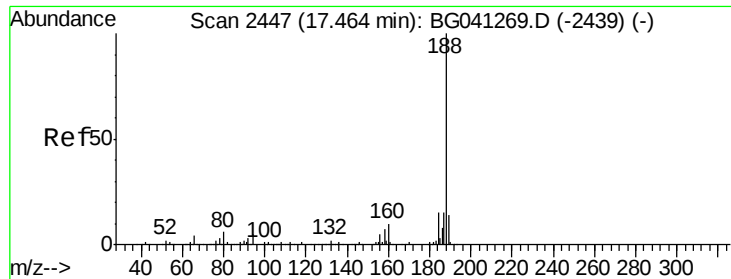
mohammad
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#58
Fluorene
Concen: 10.632 ng
RT: 15.76 min Scan# 2157
Delta R.T. 0.00 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	14.9	11.3	16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Instrument :

BNA_G

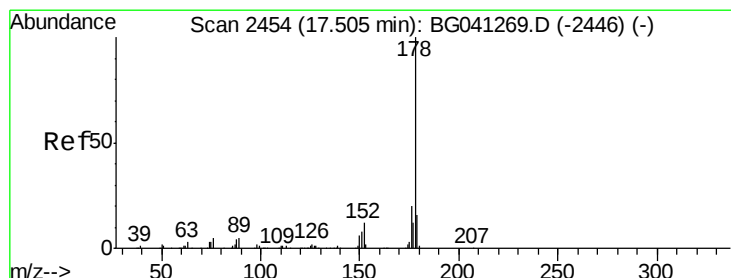
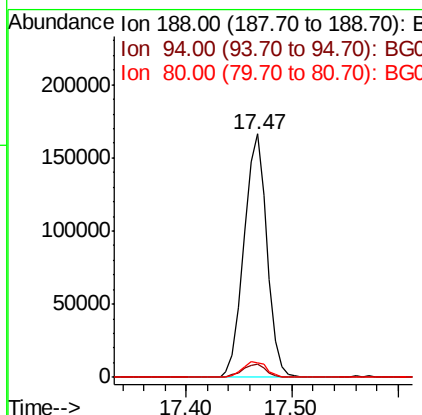
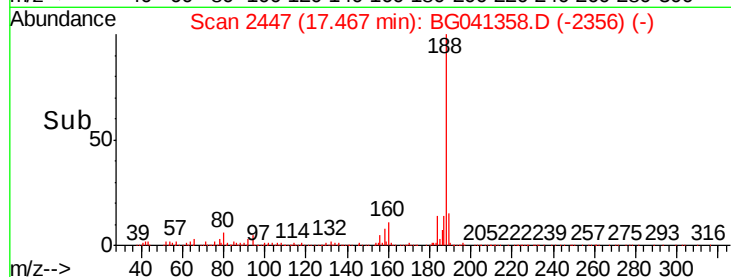
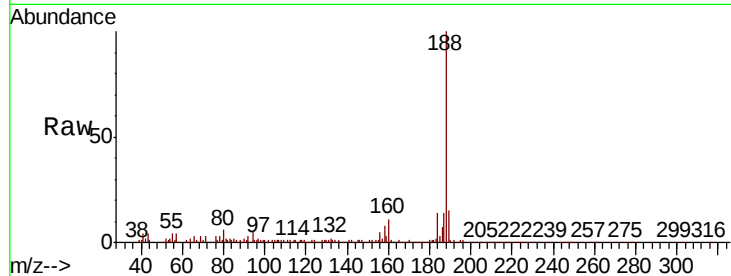
ClientSampleId :

SU-03-061719-B

Tgt Ion:	188	Resp:	250758
Ion Ratio	Lower	Upper	
188	100		
94	5.2	3.6	5.4
80	5.9	4.8	7.2

Manual Integrations
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#71

Phenanthrene

Concen: 49.533 ng

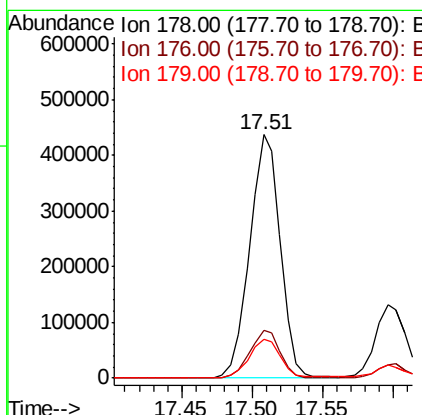
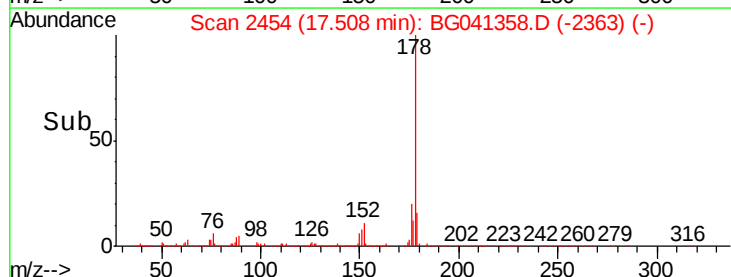
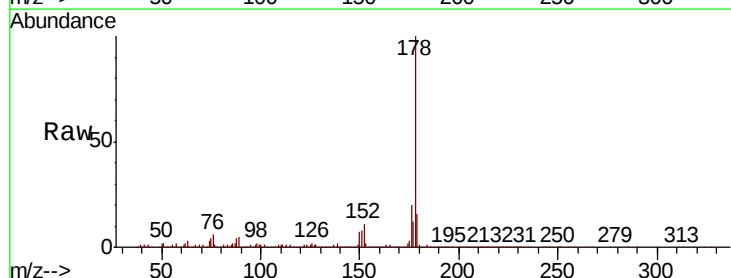
RT: 17.51 min Scan# 2454

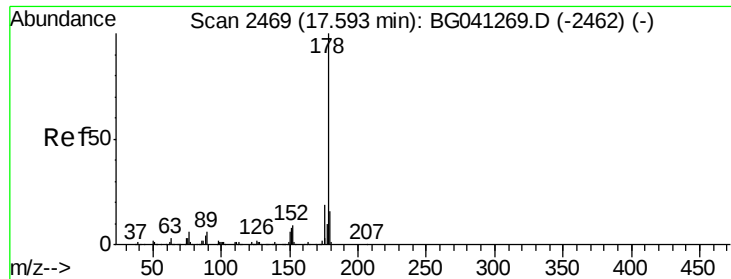
Delta R.T. 0.00 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Tgt Ion:	178	Resp:	662442
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.1	24.1
179	16.2	12.9	19.3





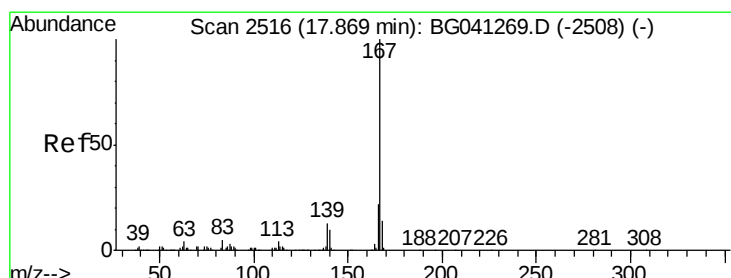
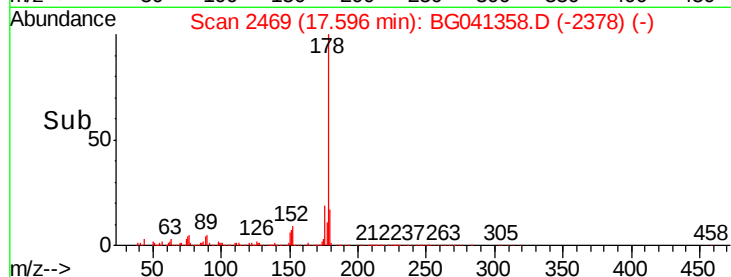
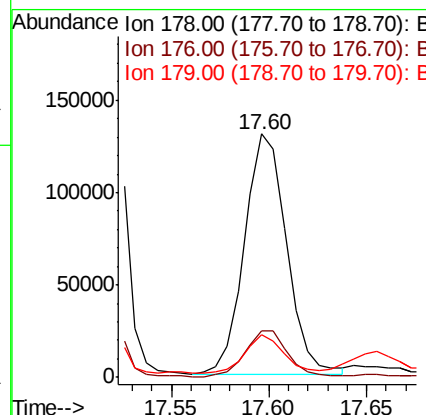
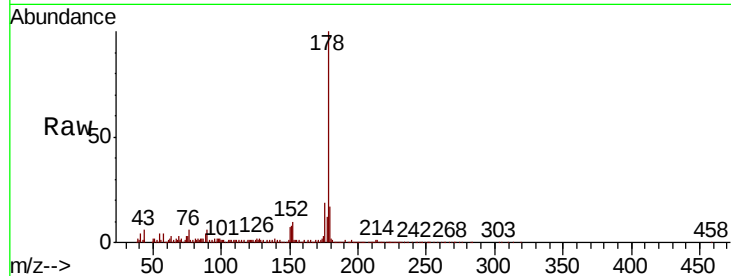
#72
 Anthracene
 Concen: 14.721 ng
 RT: 17.60 min Scan# 2469
 Delta R.T. 0.00 min
 Lab File: BG041358.D
 Acq: 20 Jun 2019 15:50

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-061719-B

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	17.4	13.0	19.4

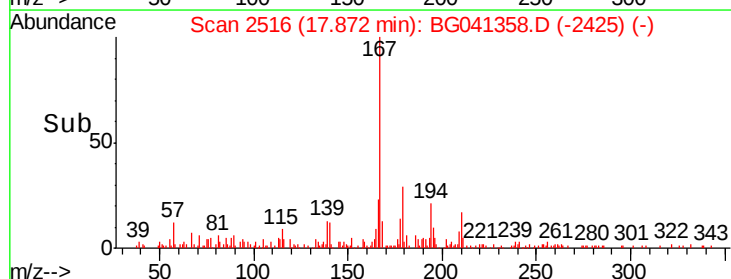
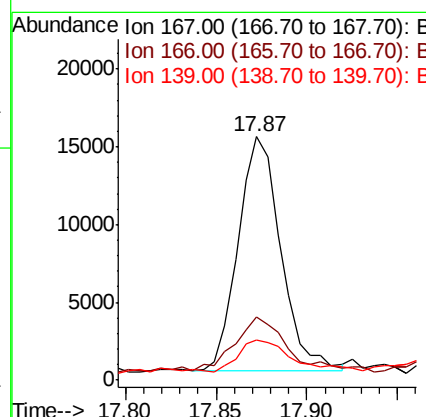
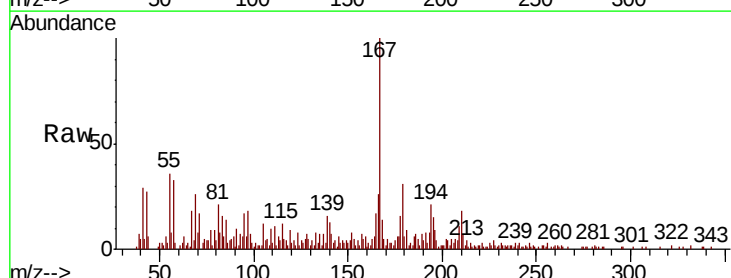
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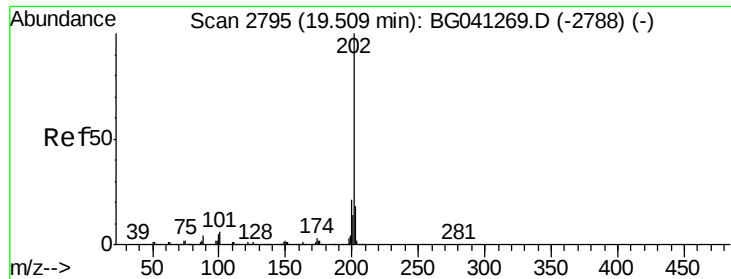
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#73
 Carbazole
 Concen: 2.143 ng
 RT: 17.87 min Scan# 2516
 Delta R.T. 0.00 min
 Lab File: BG041358.D
 Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.0	17.9	26.9
139	16.4	10.7	16.1#





#75

Fluoranthene

Concen: 65.895 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Instrument :

BNA_G

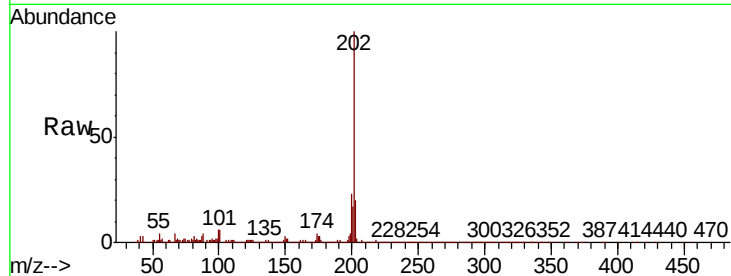
ClientSampleId :

SU-03-061719-B

Tgt Ion:	202	Resp:	1170778
Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	26.0
203	20.3	0.0	37.7

Manual Integrations
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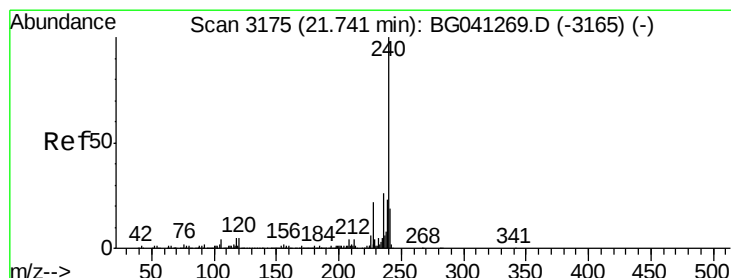
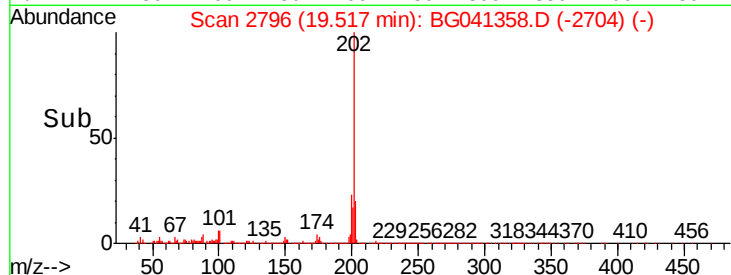
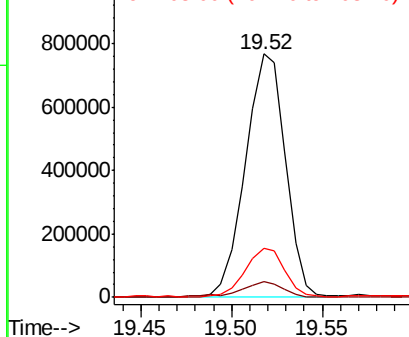


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

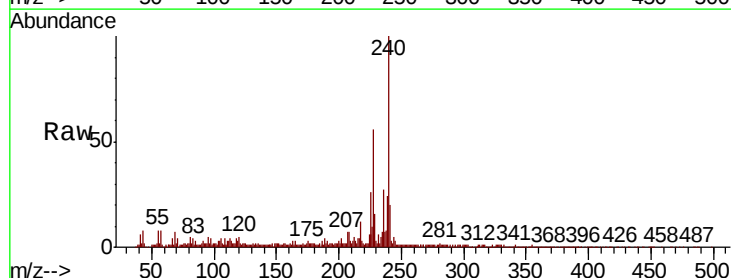
RT: 21.75 min Scan# 3176

Delta R.T. 0.01 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Tgt Ion:	240	Resp:	269107
Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.7	5.5
236	26.6	21.1	31.7

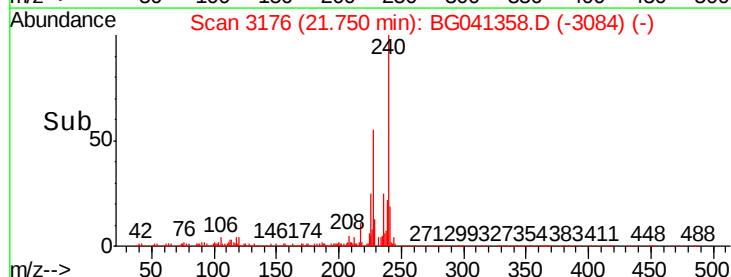
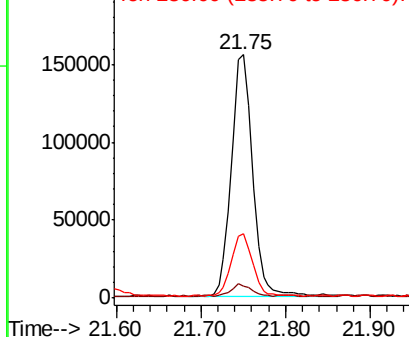


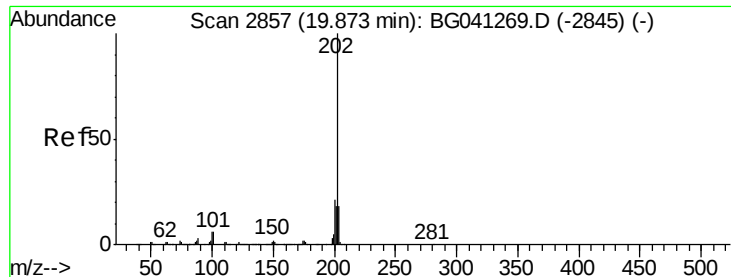
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 77.090 ng

RT: 19.89 min Scan# 2859

Delta R.T. 0.01 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Instrument :

BNA_G

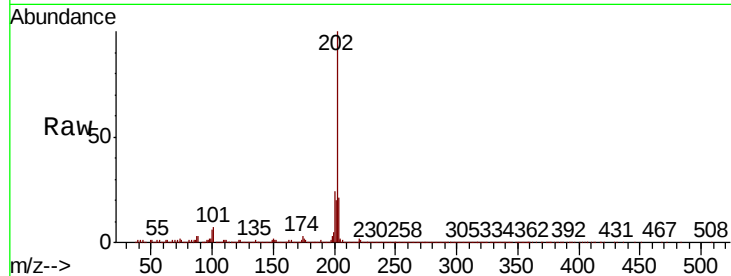
ClientSampleId :

SU-03-061719-B

Tgt Ion:	202	Resp:	1399081
Ion	Ratio	Lower	Upper
202	100		
200	23.6	16.8	25.2
203	21.3	14.6	21.8

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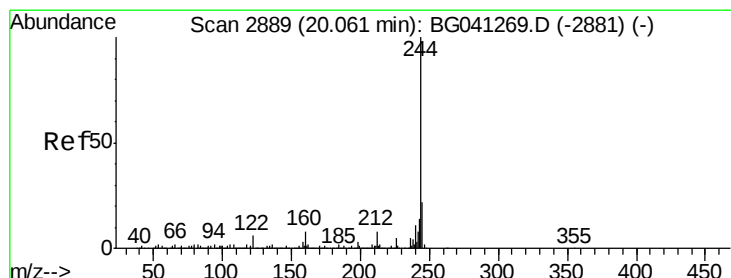
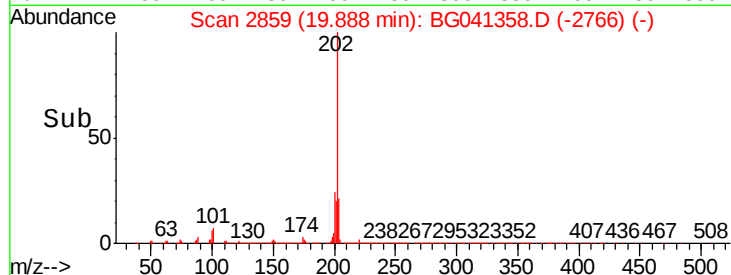
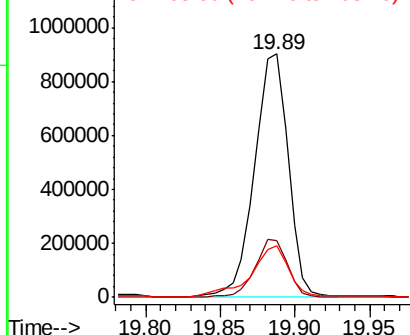


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 32.717 ng

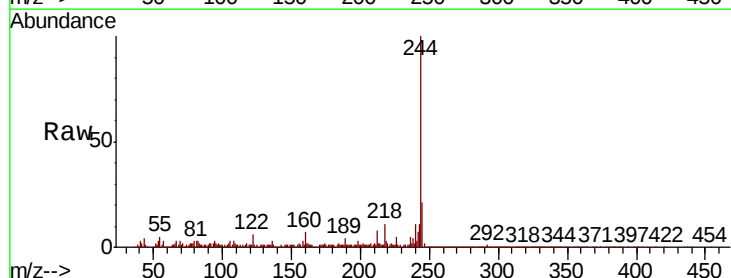
RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Tgt Ion:	244	Resp:	444259
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.6	10.0
122	6.1	5.0	7.4

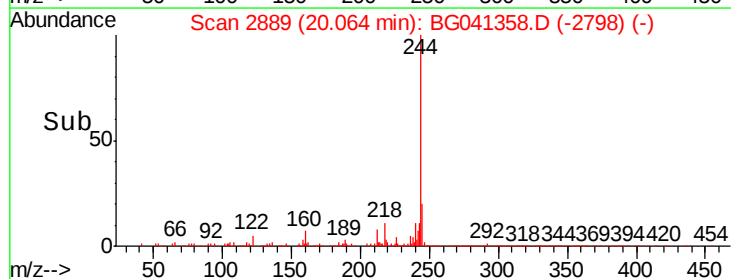
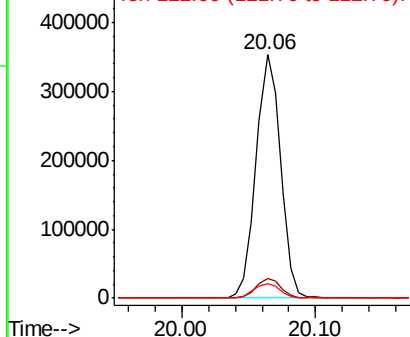


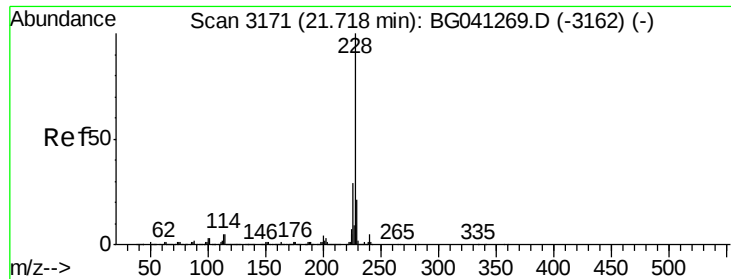
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 37.476 ng

RT: 21.73 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Instrument :

BNA_G

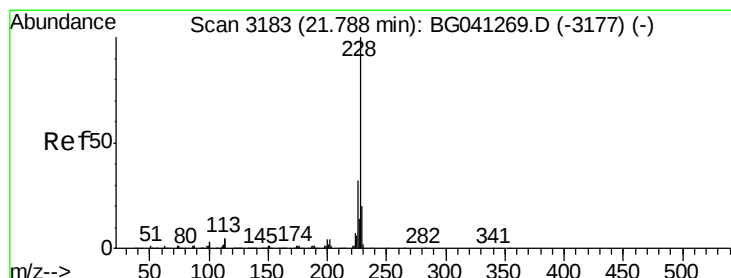
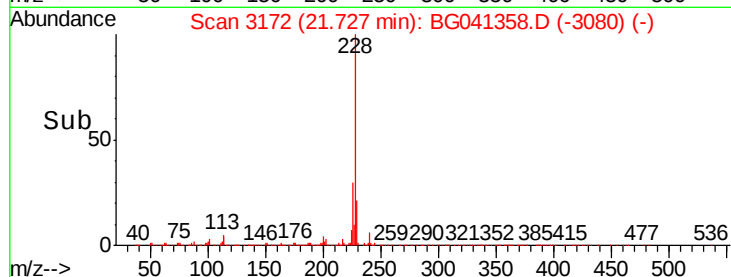
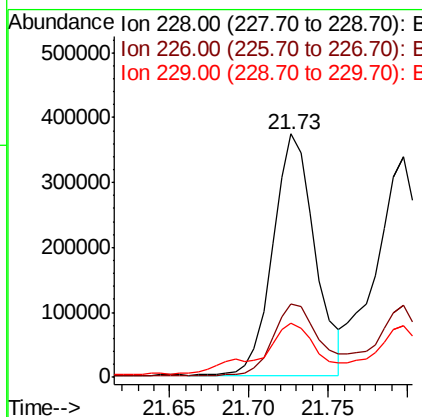
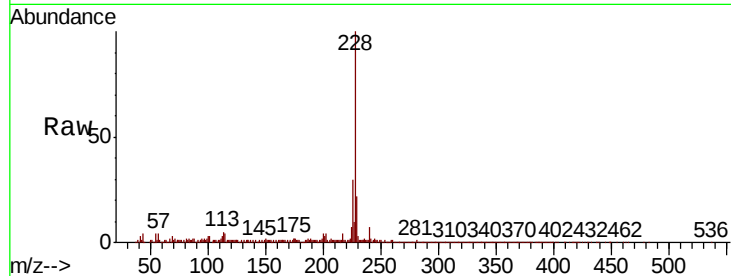
ClientSampleId :

SU-03-061719-B

Tgt Ion:	228	Resp:	682852
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.2	34.8
229	22.3	16.8	25.2

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#83

Chrysene

Concen: 37.511 ng

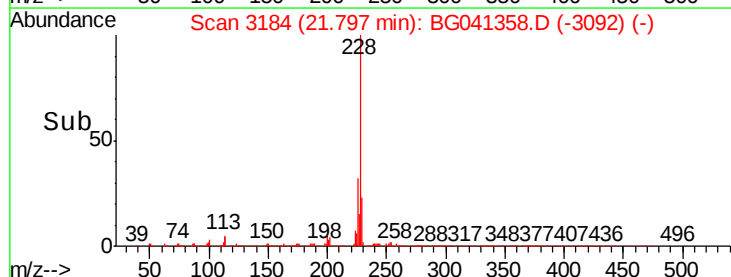
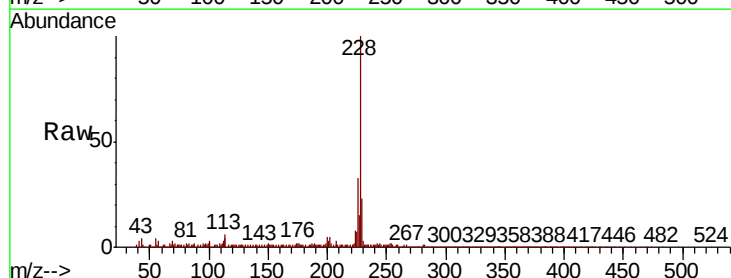
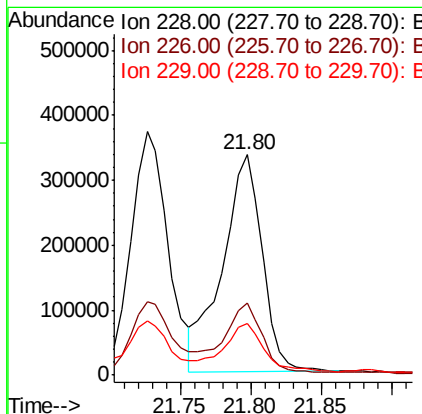
RT: 21.80 min Scan# 3184

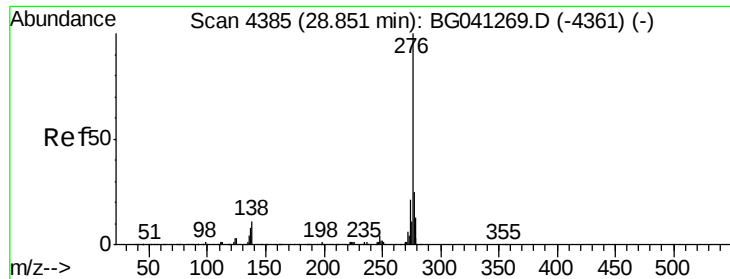
Delta R.T. 0.01 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Tgt Ion:	228	Resp:	657293
Ion Ratio	Lower	Upper	
228	100		
226	32.7	25.4	38.0
229	23.5	16.2	24.2





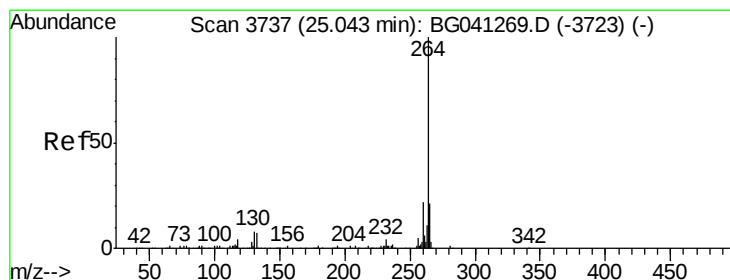
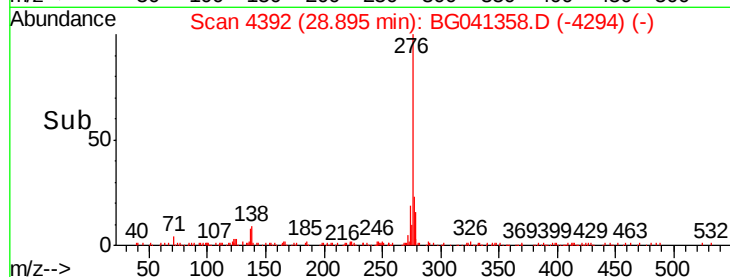
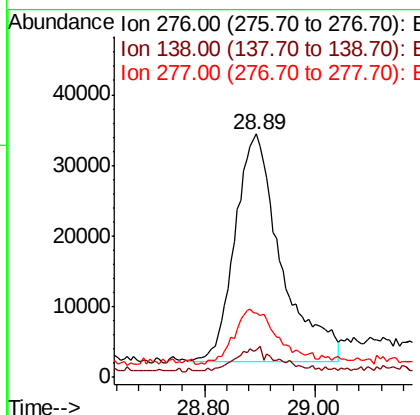
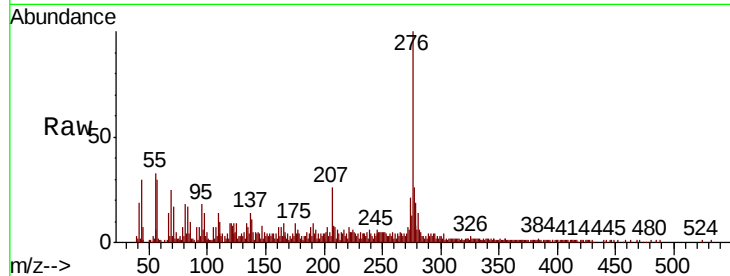
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.990 ng
RT: 28.89 min Scan# 4392
Delta R.T. 0.04 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Instrument :
BNA_G
ClientSampleId :
SU-03-061719-B

Tgt Ion	Ratio	Lower	Upper
276	100		
138	8.6	7.7	11.5
277	23.2	20.6	31.0

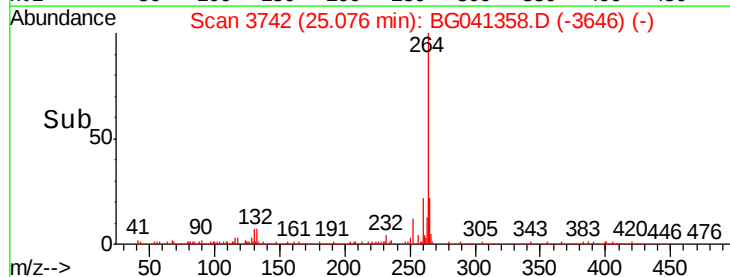
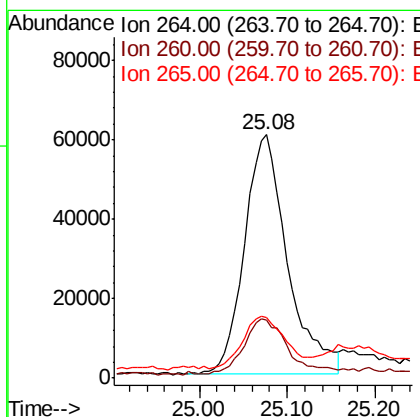
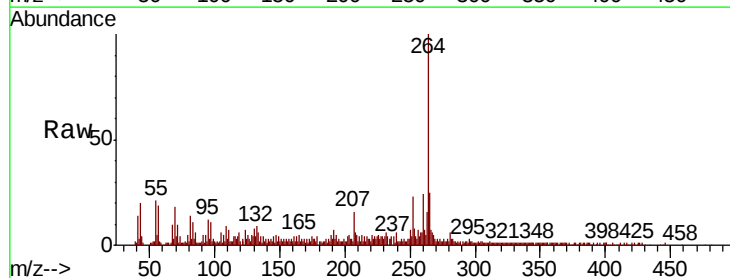
Manual Integrations
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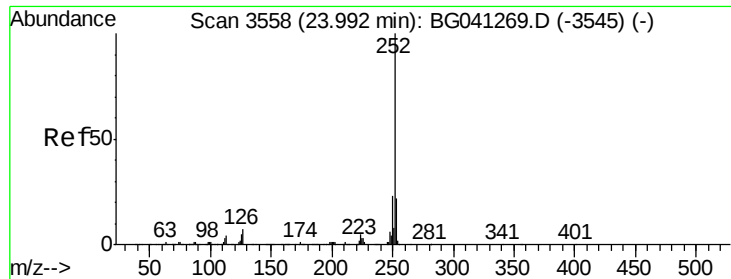
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3742
Delta R.T. 0.03 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.2
265	24.7	17.2	25.8





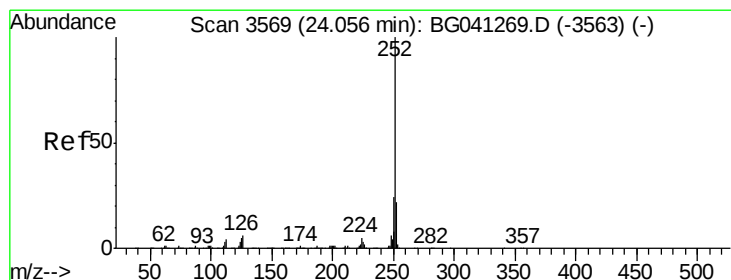
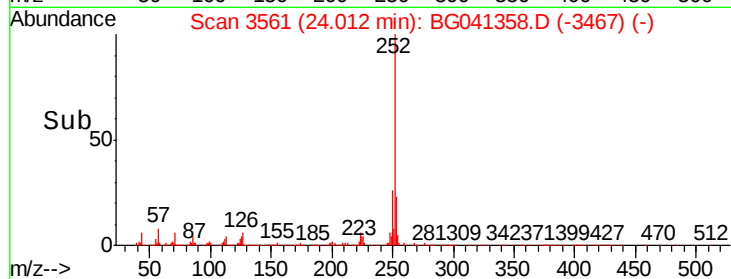
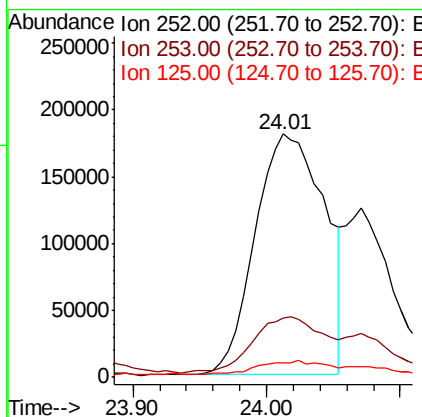
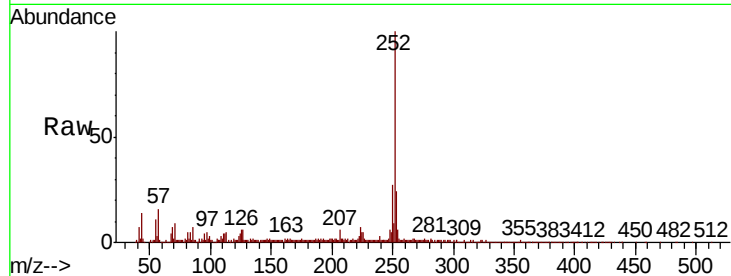
#88
Benzo(b)fluoranthene
Concen: 51.449 ng
RT: 24.01 min Scan# 3561
Delta R.T. 0.02 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Instrument :
BNA_G
ClientSampleId :
SU-03-061719-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.0
125	6.1	3.9	5.9

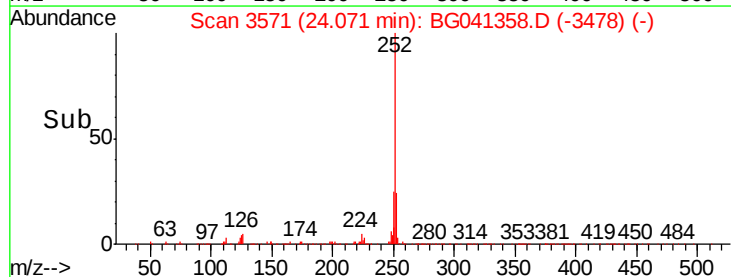
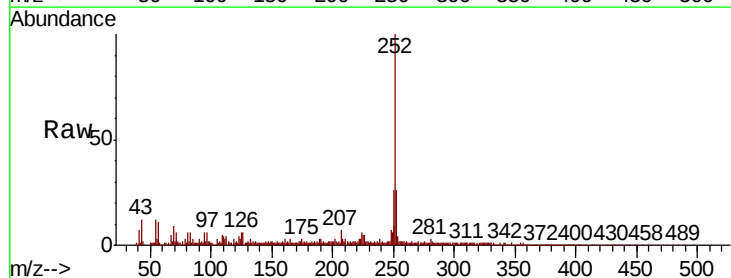
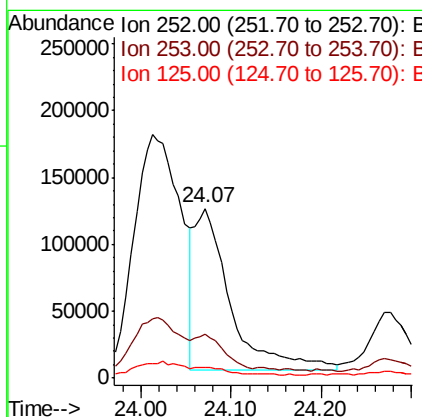
Manual Integrations
APPROVED

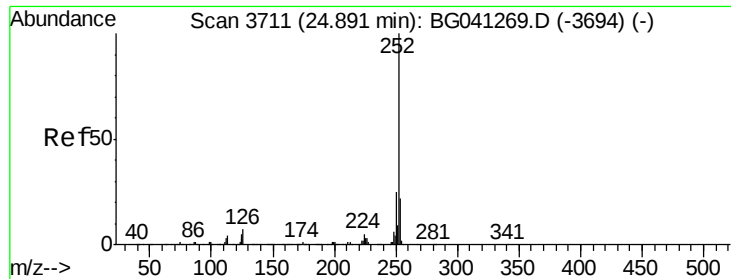
mohammad
6/21/2019 9:58:46 PM



#89
Benzo(k)fluoranthene
Concen: 26.901 ng m
RT: 24.07 min Scan# 3571
Delta R.T. 0.01 min
Lab File: BG041358.D
Acq: 20 Jun 2019 15:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.0	27.0
125	6.3	4.3	6.5





#90

Benzo(a)pyrene

Concen: 41.482 ng

RT: 24.92 min Scan# 3715

Delta R.T. 0.03 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Instrument :

BNA_G

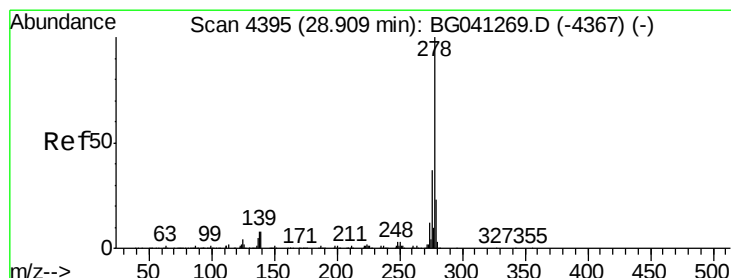
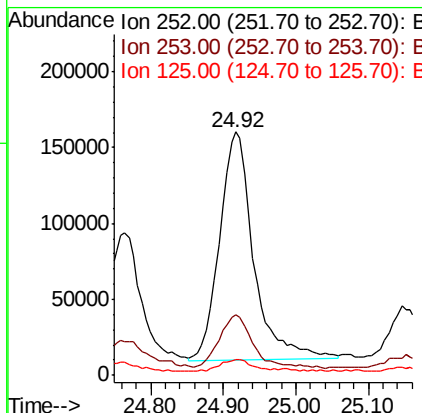
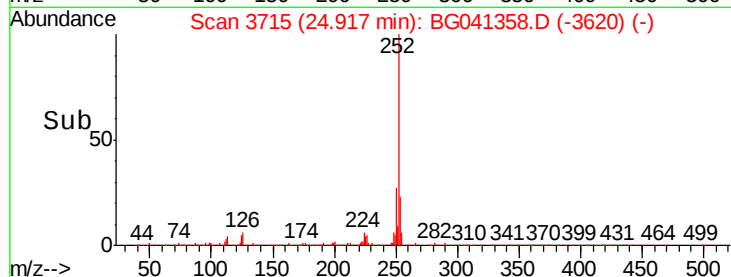
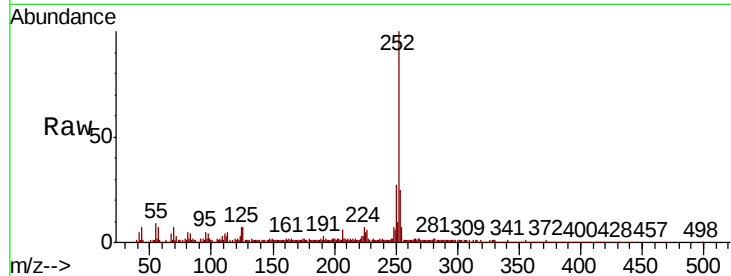
ClientSampleId :

SU-03-061719-B

Tgt Ion:	252	Resp:	495536
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.8	26.6
125	6.7	4.2	6.4#

Manual Integrations
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#91

Dibenzo(a,h)anthracene

Concen: 4.056 ng m

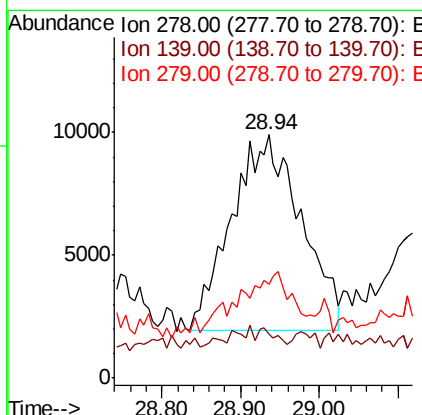
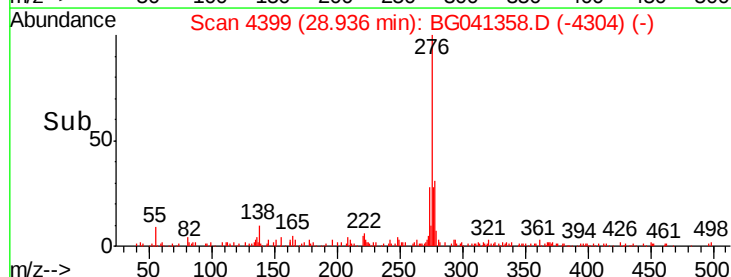
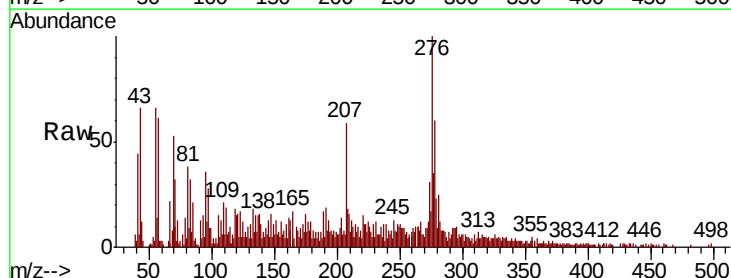
RT: 28.94 min Scan# 4399

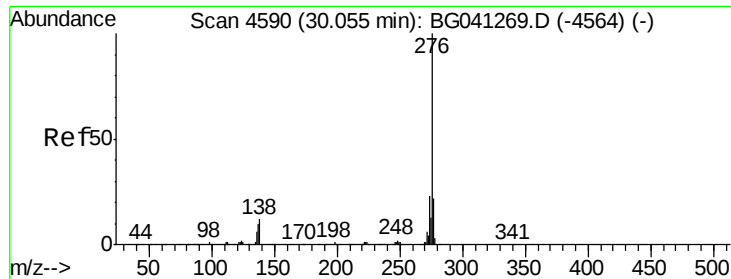
Delta R.T. 0.03 min

Lab File: BG041358.D

Acq: 20 Jun 2019 15:50

Tgt Ion:	278	Resp:	48782
Ion Ratio	Lower	Upper	
278	100		
139	18.0	6.6	10.0#
279	38.6	18.5	27.7#





#92
 Benzo(g,h,i)perylene
 Concen: 12.463 ng
 RT: 30.09 min Scan# 4596
 Delta R.T. 0.04 min
 Lab File: BG041358.D
 Acq: 20 Jun 2019 15:50

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-061719-B

Tgt Ion:	276	Resp:	148130
Ion Ratio		Lower	Upper
276	100		
277	25.6	17.9	26.9
138	10.0	9.4	14.0

Manual Integrations
 APPROVED

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