

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
 Data File : BG041356.D
 Acq On : 20 Jun 2019 14:33
 Operator : HP/JU
 Sample : K3163-09 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
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mohammad
 6/21/2019 9:58:33 PM

Quant Time: Jun 20 16:31:04 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	44738	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	170933	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	111107	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	248052	20.00	ng	0.00
76) Chrysene-d12	21.74	240	267560	20.00	ng	0.00
87) Perylene-d12	25.07	264	262757	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	122672	50.38	ng	0.00
7) Phenol-d6	7.23	99	184803	52.36	ng	0.00
23) Nitrobenzene-d5	9.26	82	133780	32.92	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	82807	48.55	ng	0.00
45) 2-Fluorobiphenyl	13.33	172	284540	34.81	ng	0.00
79) Terphenyl-d14	20.06	244	454800	33.69	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.55	142	18264	2.669	ng	99
38) 1-Methylnaphthalene	12.76	142	23380m	3.571	ng	
49) Acenaphthylene	14.44	152	75908	6.917	ng	97
50) Dimethylphthalate	14.16	163	30516	3.087	ng	# 98
52) Acenaphthene	14.77	154	14426	2.239	ng	90
58) Fluorene	15.76	166	40981	4.650	ng	# 94
71) Phenanthrene	17.51	178	315036	23.813	ng	98
72) Anthracene	17.59	178	82778	6.347	ng	99
75) Fluoranthene	19.52	202	677695	38.559	ng	98
78) Pyrene	19.88	202	1126523	62.430	ng	95
81) Benzo(a)anthracene	21.72	228	523831	28.915	ng	96
83) Chrysene	21.79	228	572801m	32.878	ng	
86) Indeno(1,2,3-cd)pyrene	28.87	276	143561	6.945	ng	# 91
88) Benzo(b)fluoranthene	24.00	252	448028	27.513	ng	# 94
89) Benzo(k)fluoranthene	24.06	252	193852m	12.017	ng	
90) Benzo(a)pyrene	24.91	252	432562	28.127	ng	96
91) Dibenzo(a,h)anthracene	28.92	278	43434	2.805	ng	# 67
92) Benzo(g,h,i)perylene	30.09	276	130367	8.520	ng	# 92

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

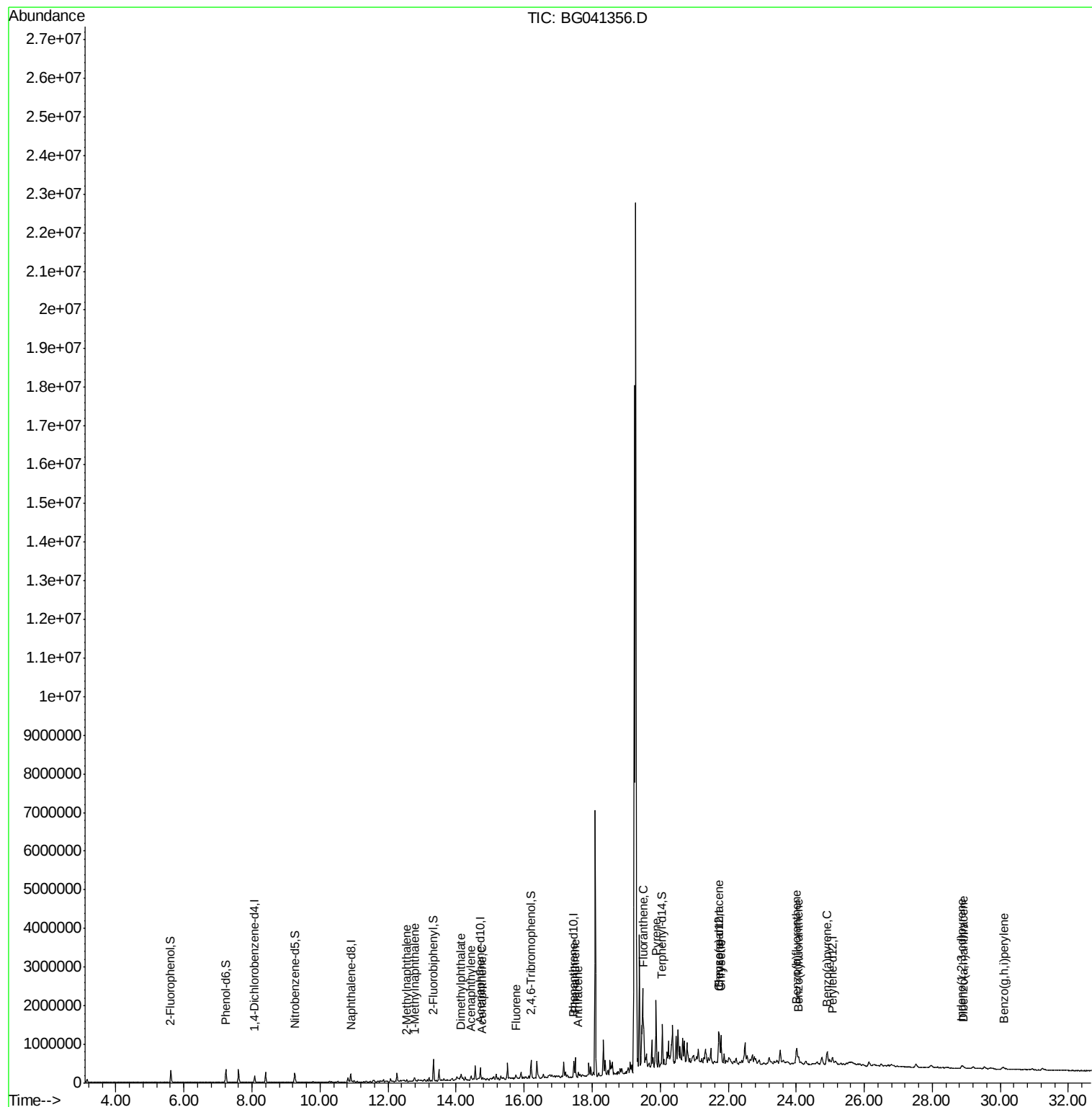
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041356.D
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
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#1

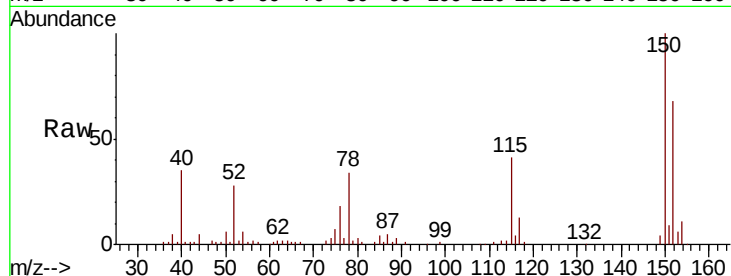
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.1	120.6	181.0
115	59.8	47.9	71.9

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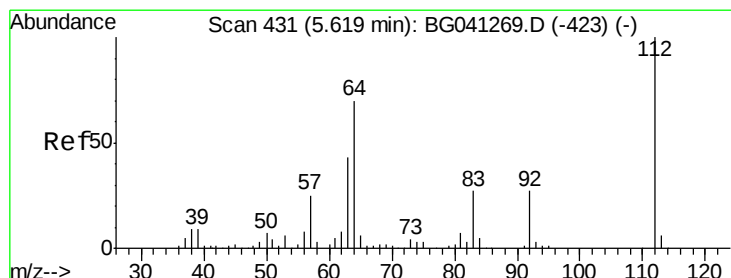
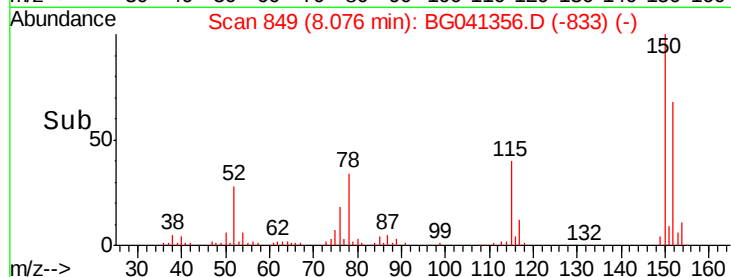
Abundance

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

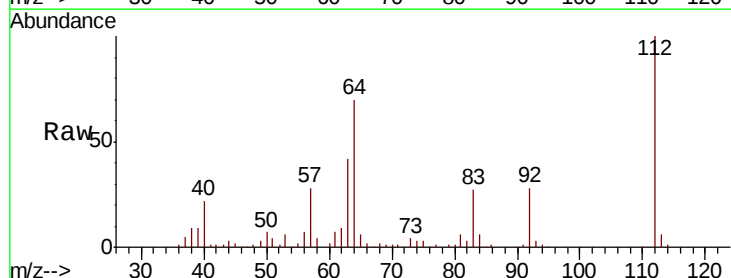
Time-->



#5

2-Fluorophenol
Concen: 50.382 ng
RT: 5.61 min Scan# 430
Delta R.T. -0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.9	83.9
63	42.0	34.6	51.8



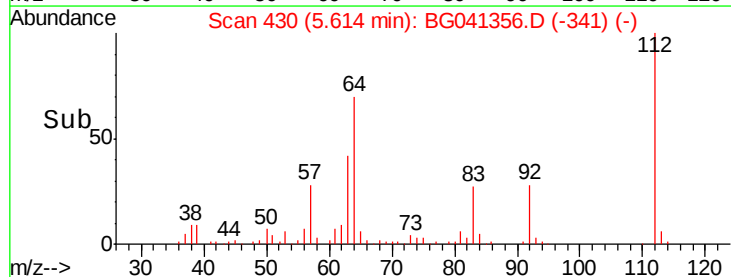
Abundance

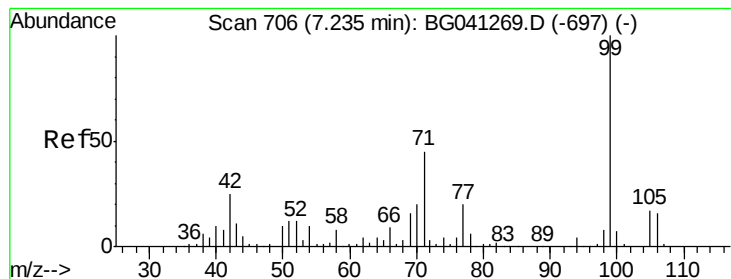
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC

Time-->





#7

Phenol-d6

Concen: 52.362 ng

RT: 7.23 min Scan# 705

Delta R.T. -0.01 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Instrument :

BNA_G

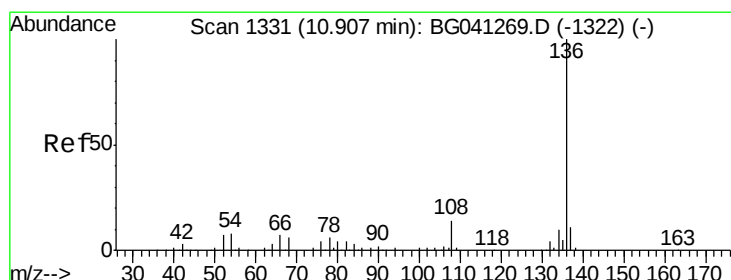
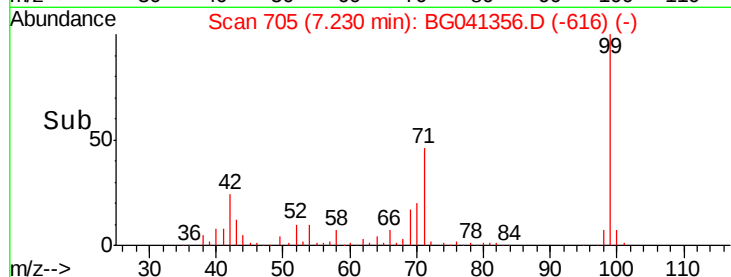
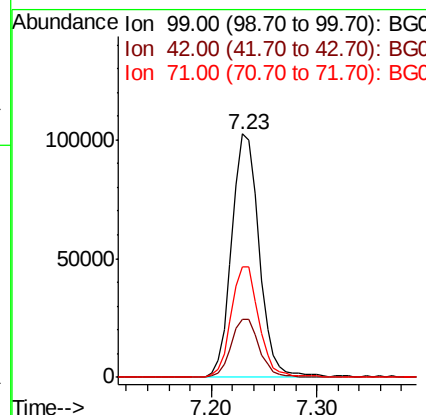
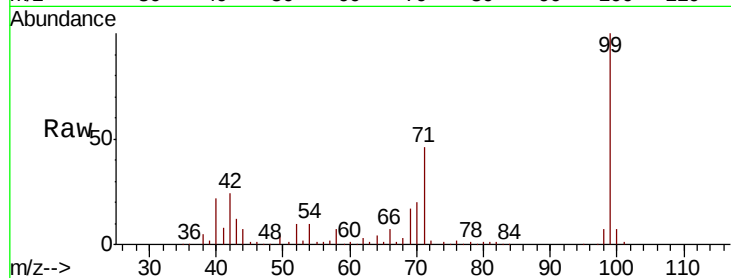
ClientSampleId :

SU-03-061719-A

Tgt Ion	Ratio	Lower	Upper
99	100		
42	23.9	19.9	29.9
71	45.6	36.4	54.6

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#21

Naphthalene-d8

Concen: 20.000 ng

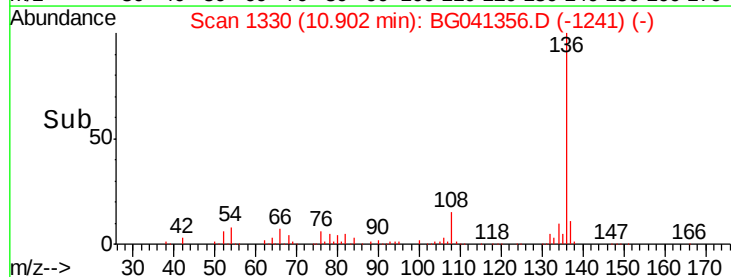
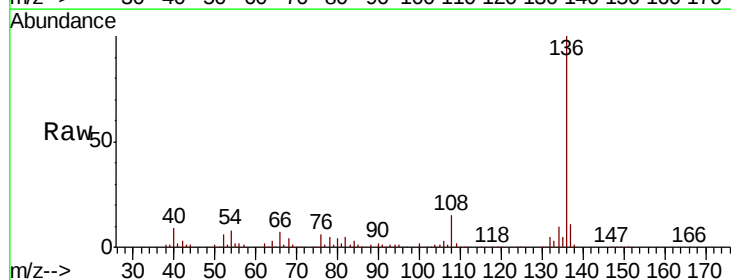
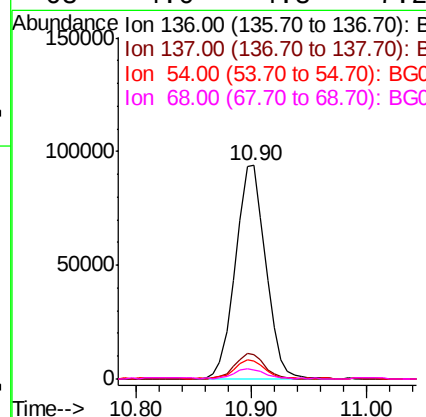
RT: 10.90 min Scan# 1330

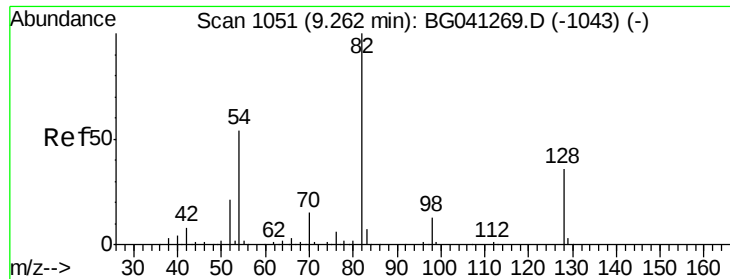
Delta R.T. -0.01 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.2	6.4	9.6
68	4.0	4.8	7.2#





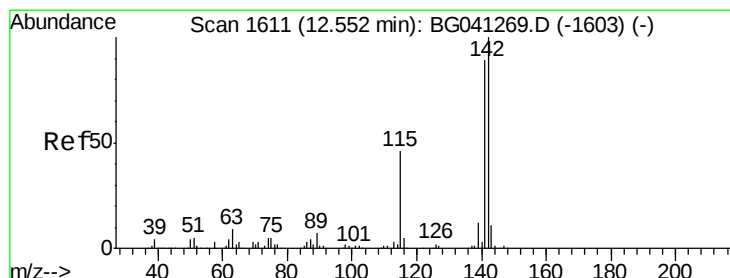
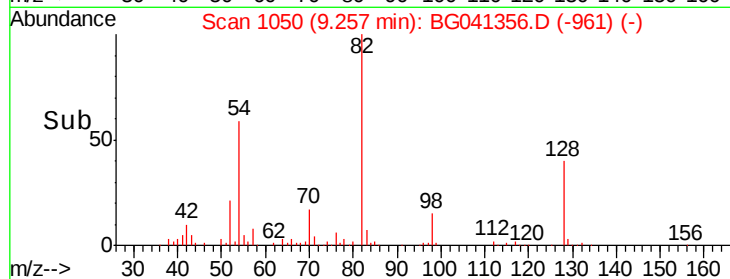
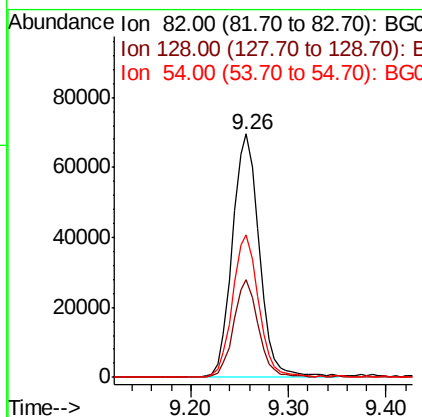
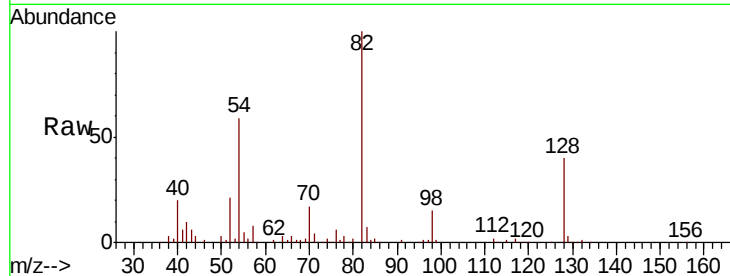
#23
Nitrobenzene-d5
Concen: 32.915 ng
RT: 9.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	133780		
128	40.0	29.2	43.8	
54	58.5	43.4	65.0	

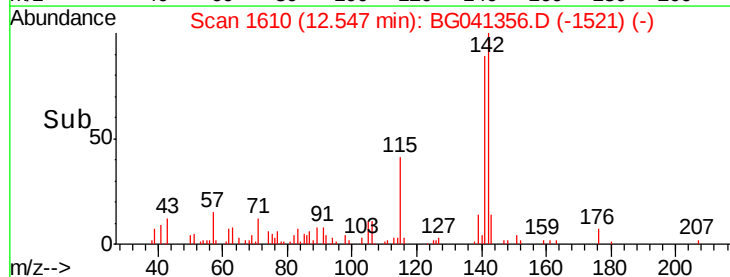
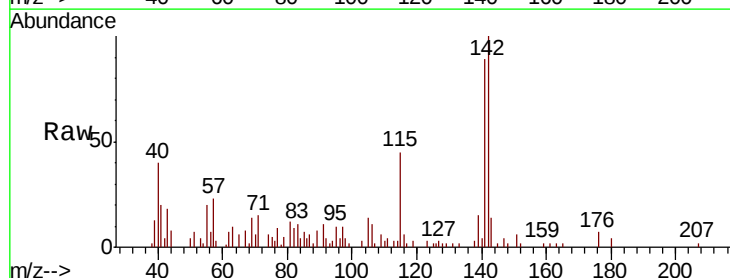
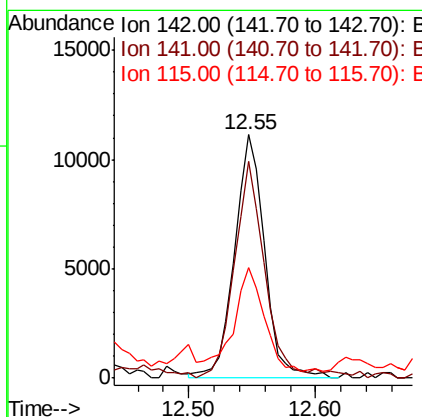
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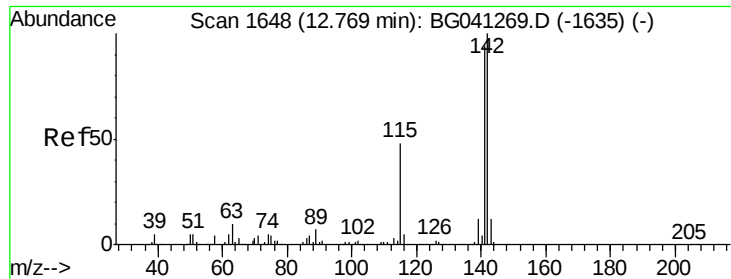
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#37
2-Methylnaphthalene
Concen: 2.669 ng
RT: 12.55 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	18264		
141	88.8	71.5	107.3	
115	45.2	37.0	55.6	





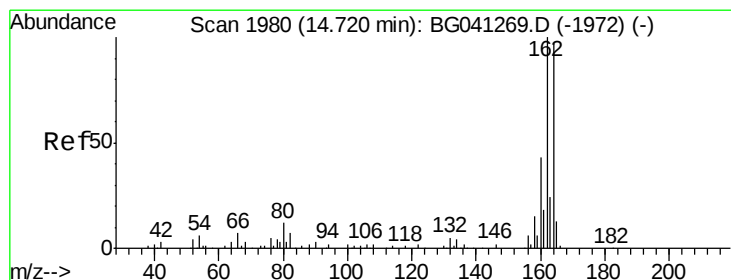
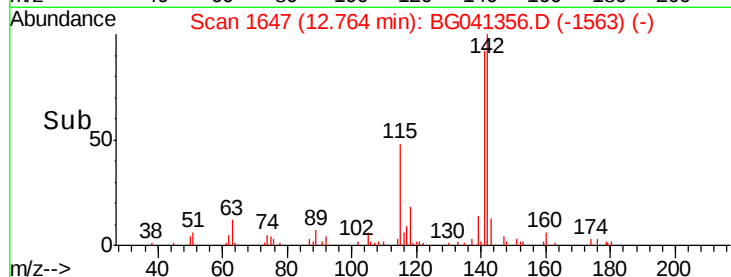
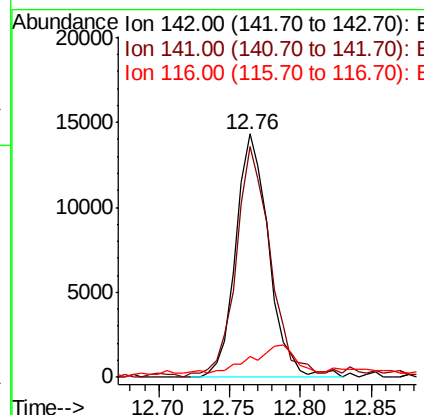
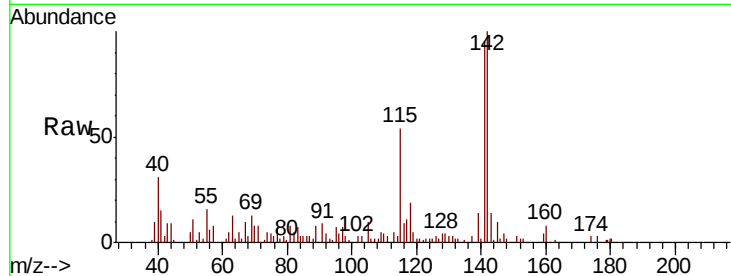
#38
1-Methylnaphthalene
Concen: 3.571 ng m
RT: 12.76 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.9	75.0	112.6
116	8.5	4.2	6.2#

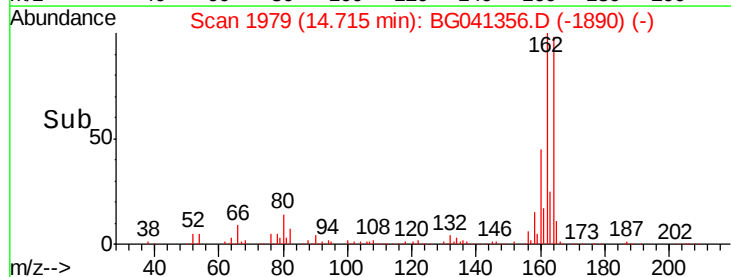
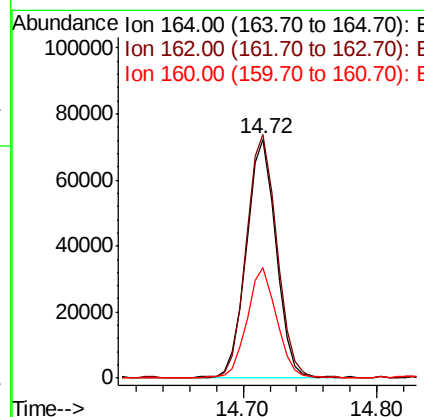
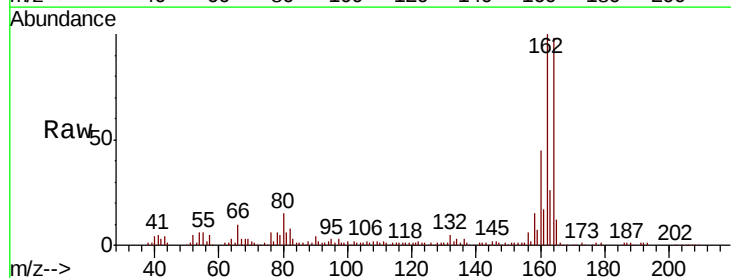
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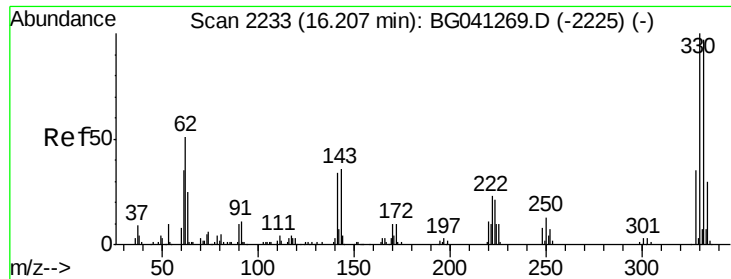
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1979
Delta R.T. -0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.8	124.2
160	46.2	35.8	53.8





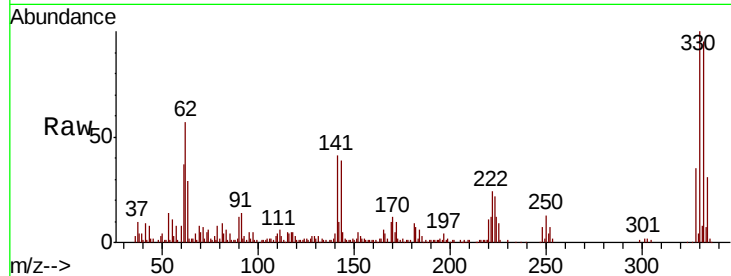
#42
 2,4,6-Tribromophenol
 Concen: 48.546 ng
 RT: 16.20 min Scan# 2232
 Delta R.T. -0.01 min
 Lab File: BG041356.D
 Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	82807		
332	95.9	75.5	113.3	
141	38.0	29.0	43.4	

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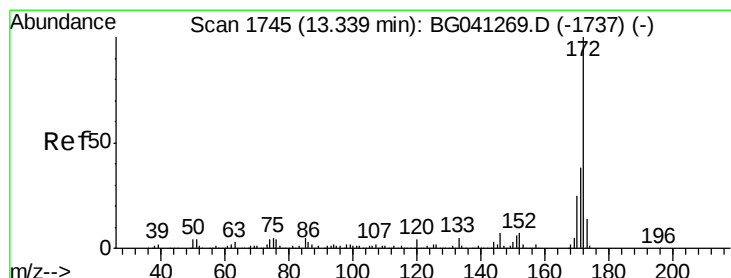
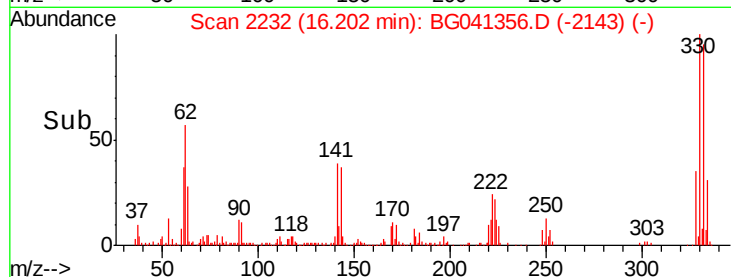
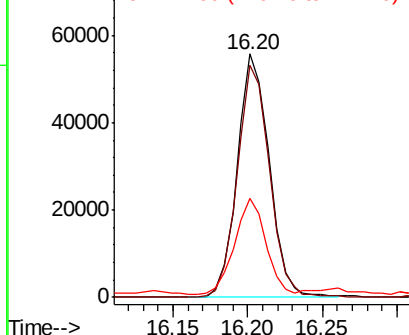


Abundance

Ion 329.80 (329.50 to 330.50): E

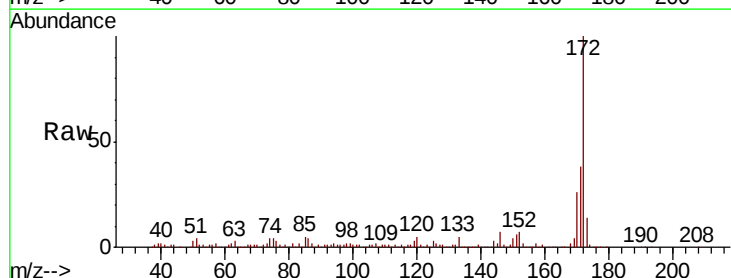
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 34.807 ng
 RT: 13.33 min Scan# 1744
 Delta R.T. -0.01 min
 Lab File: BG041356.D
 Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	284540		
171	38.4	30.0	45.0	
170	25.5	19.8	29.6	

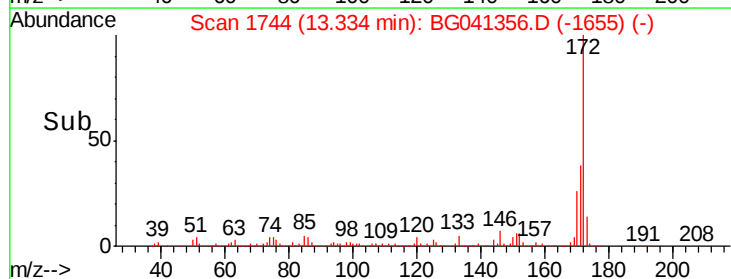
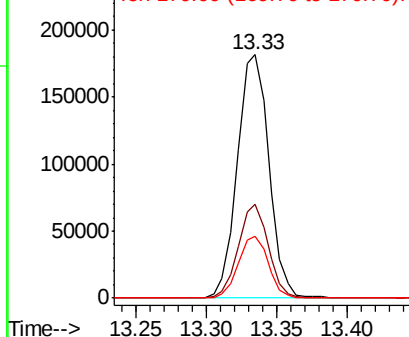


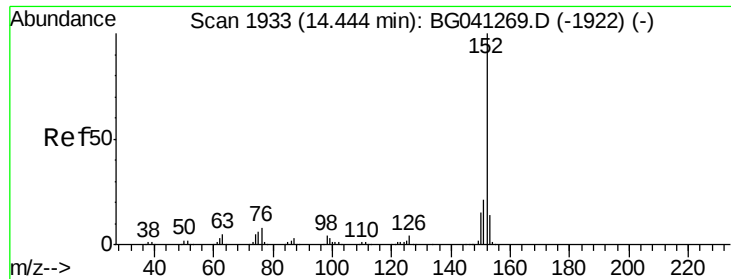
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





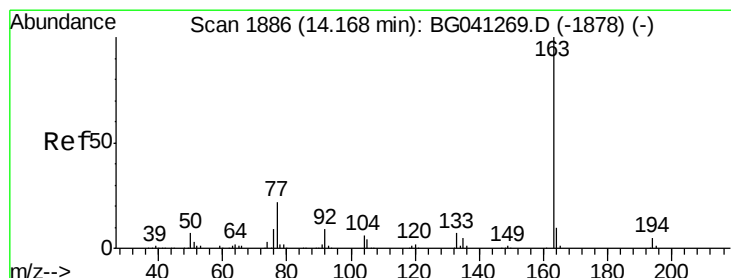
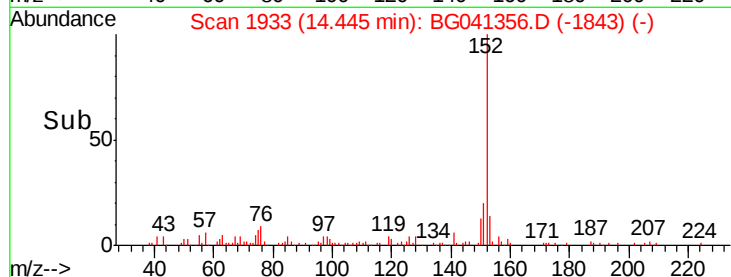
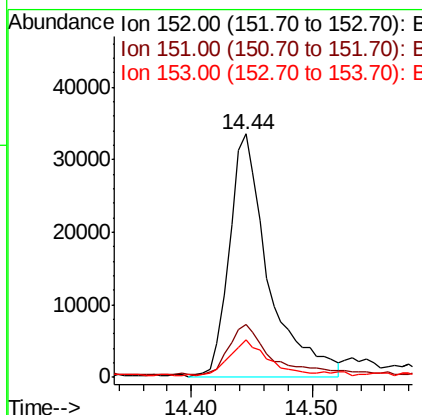
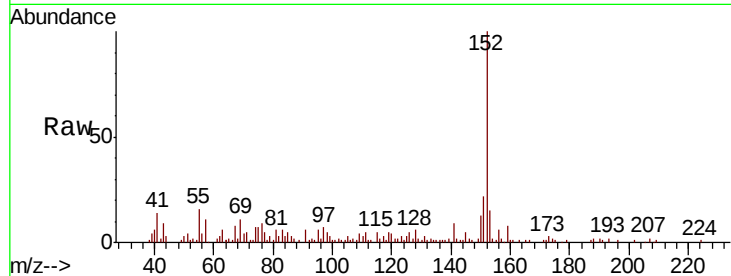
#49
Acenaphthylene
Concen: 6.917 ng
RT: 14.44 min Scan# 1933
Delta R.T. 0.00 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.7	16.8	25.2
153	15.2	10.8	16.2

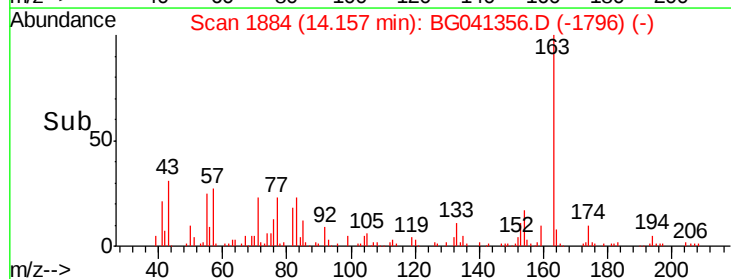
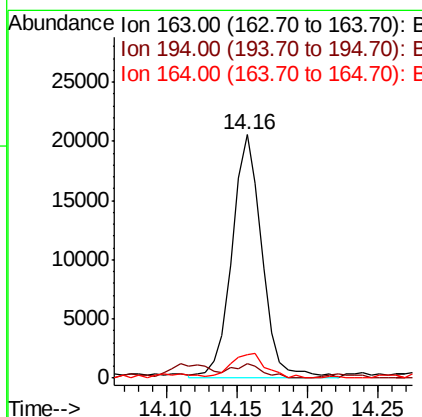
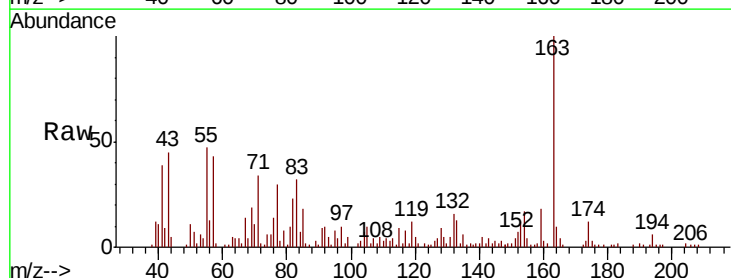
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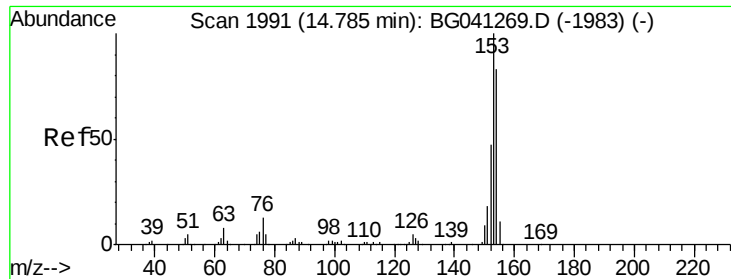
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#50
Dimethylphthalate
Concen: 3.087 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.9	3.9	5.9#
164	9.6	8.3	12.5





#52

Acenaphthene

Concen: 2.239 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Instrument :

BNA_G

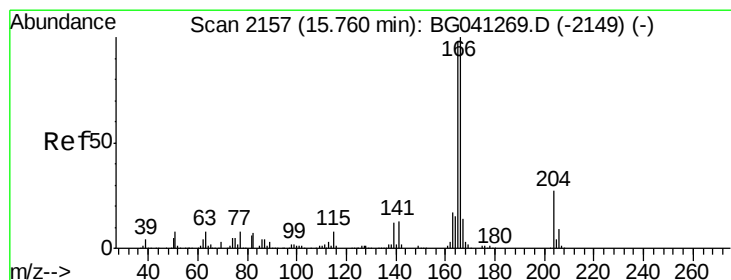
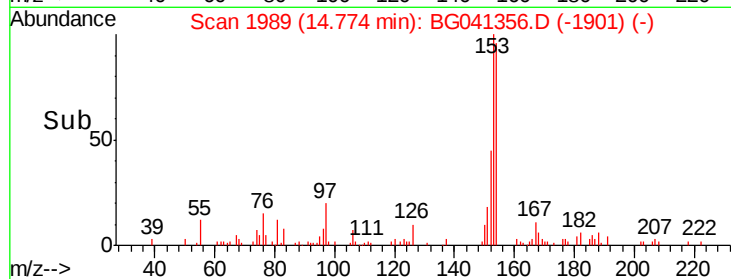
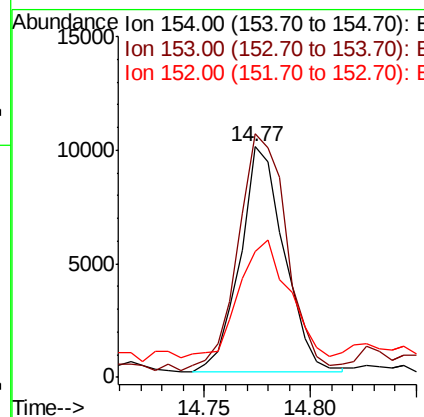
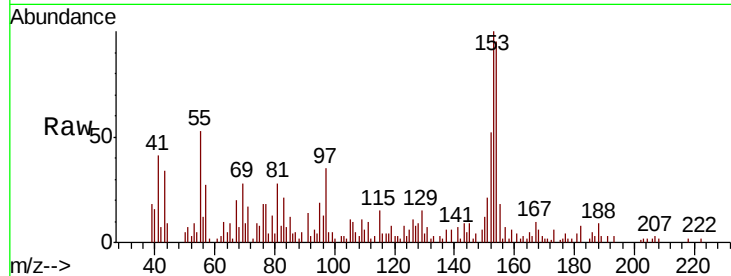
ClientSampleId :

SU-03-061719-A

Tgt Ion:	154	Resp:	14426
Ion Ratio	Lower	Upper	
154	100		
153	105.6	96.6	145.0
152	54.6	45.5	68.3

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#58

Fluorene

Concen: 4.650 ng

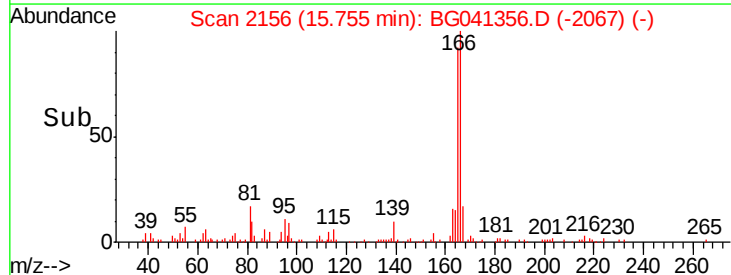
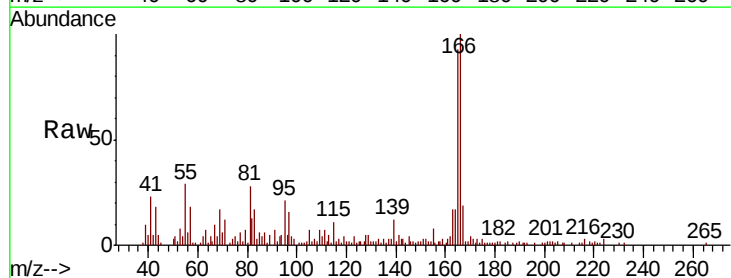
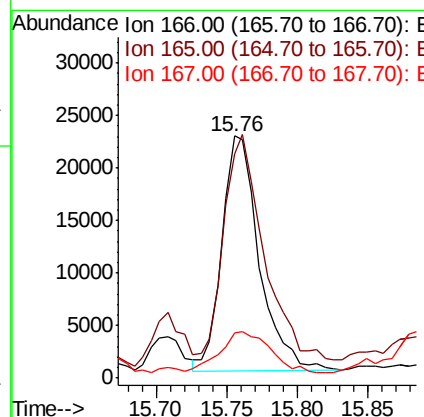
RT: 15.76 min Scan# 2156

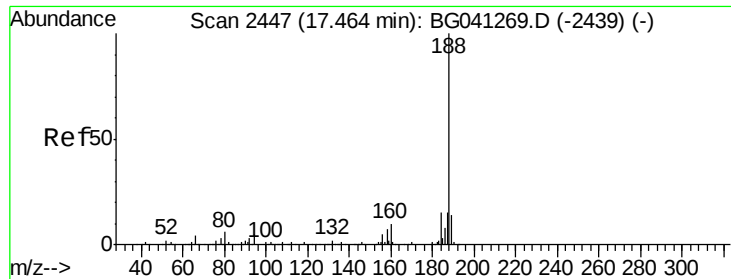
Delta R.T. -0.01 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Tgt Ion:	166	Resp:	40981
Ion Ratio	Lower	Upper	
166	100		
165	93.0	78.8	118.2
167	18.7	11.3	16.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.46 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Instrument :

BNA_G

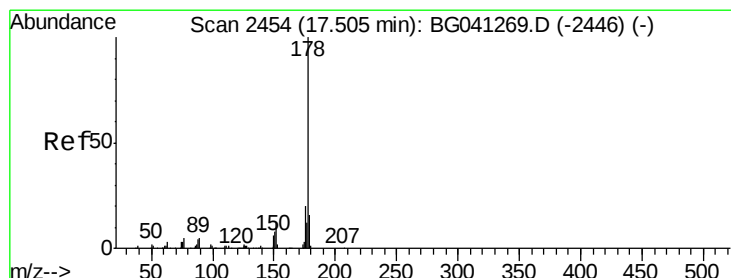
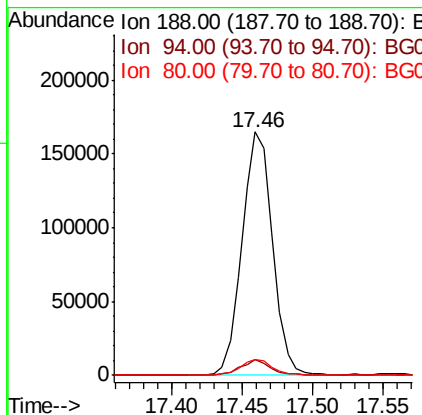
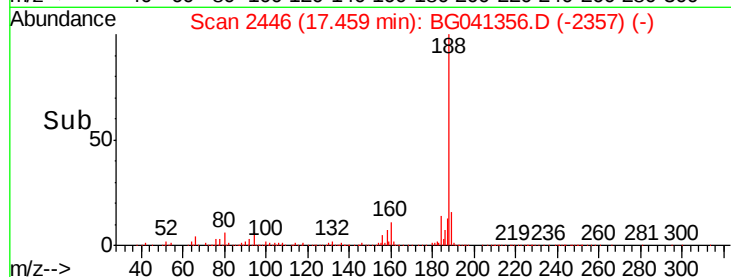
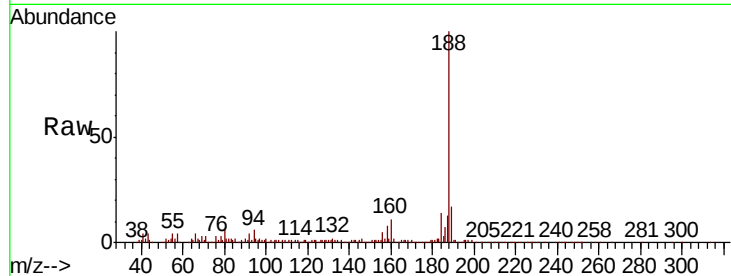
ClientSampleId :

SU-03-061719-A

Tgt	Ion:188	Resp:	248052
Ion	Ratio	Lower	Upper
188	100		
94	6.3	3.6	5.4#
80	6.3	4.8	7.2

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#71

Phenanthrene

Concen: 23.813 ng

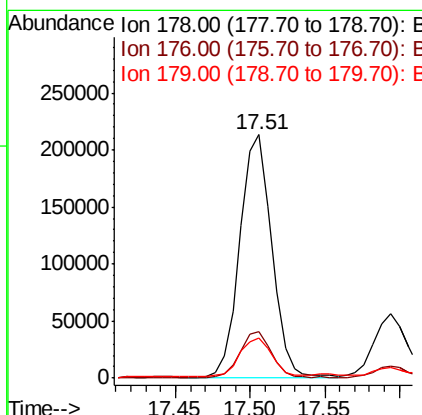
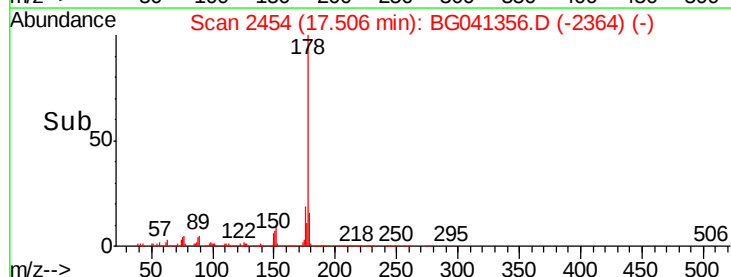
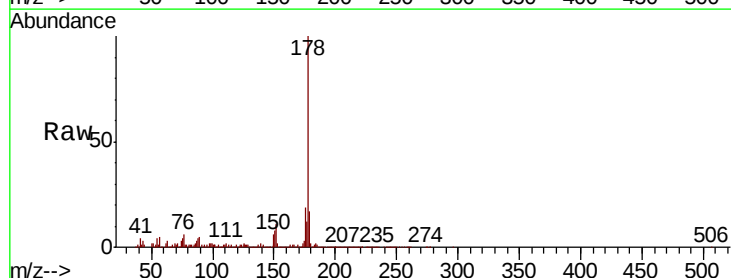
RT: 17.51 min Scan# 2454

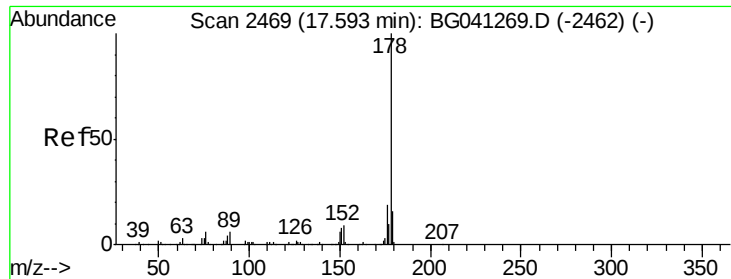
Delta R.T. 0.00 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Tgt	Ion:178	Resp:	315036
Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.1	24.1
179	16.7	12.9	19.3





#72

Anthracene

Concen: 6.347 ng

RT: 17.59 min Scan# 2469

Delta R.T. 0.00 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Instrument :

BNA_G

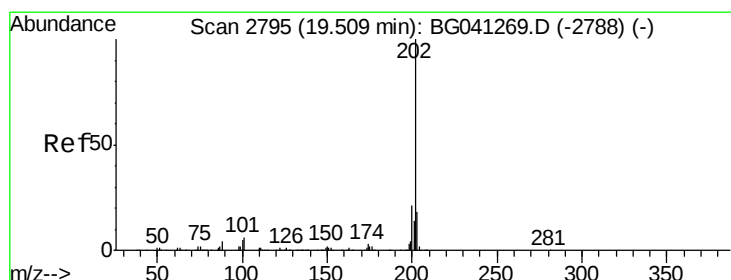
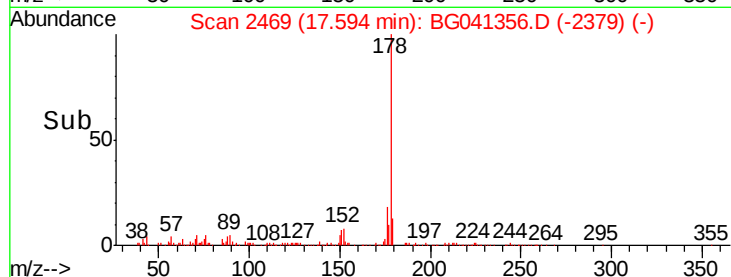
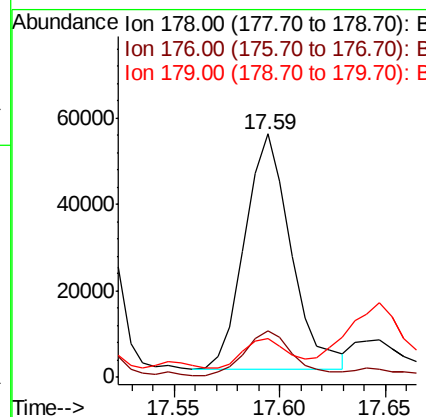
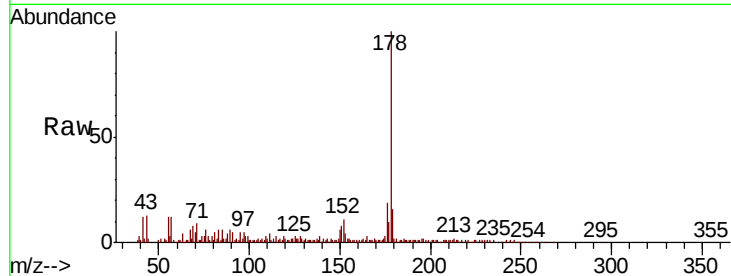
ClientSampleId :

SU-03-061719-A

Tgt Ion:	178	Resp:	82778
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.4	23.2
179	15.8	13.0	19.4

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#75

Fluoranthene

Concen: 38.559 ng

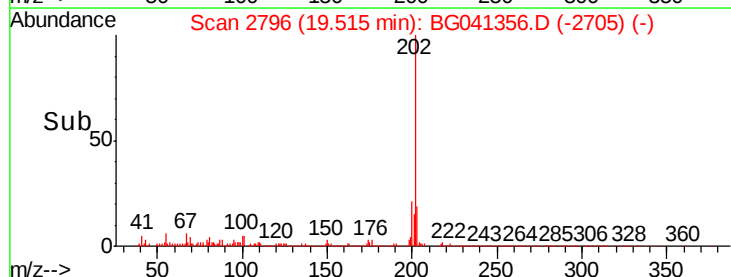
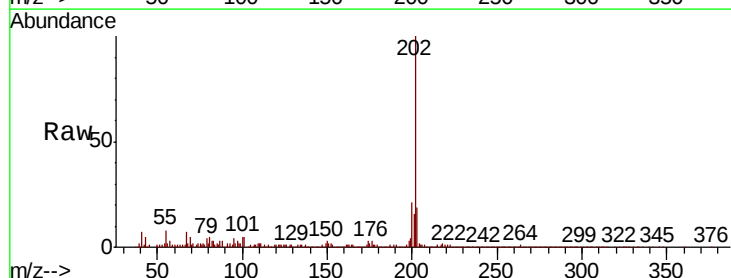
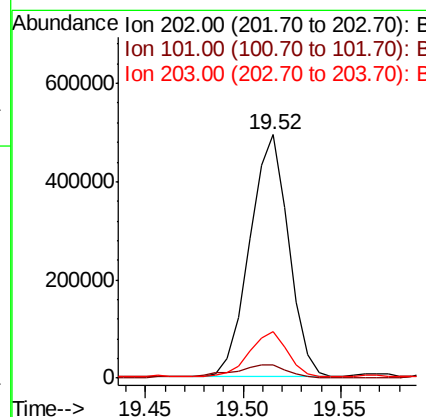
RT: 19.52 min Scan# 2796

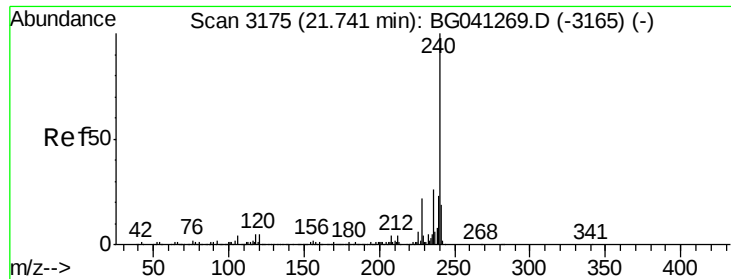
Delta R.T. 0.01 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Tgt Ion:	202	Resp:	677695
Ion Ratio	Lower	Upper	
202	100		
101	5.5	0.0	26.0
203	18.9	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.74 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Instrument :

BNA_G

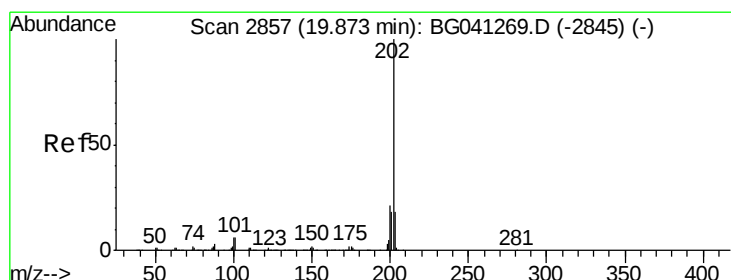
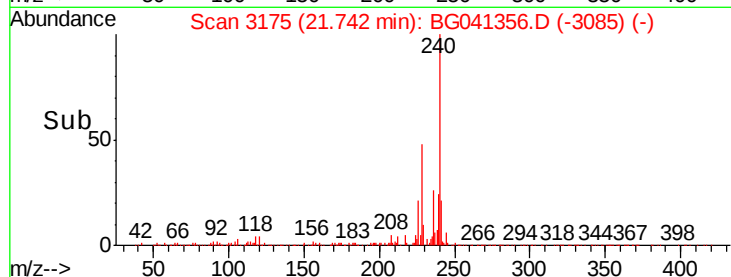
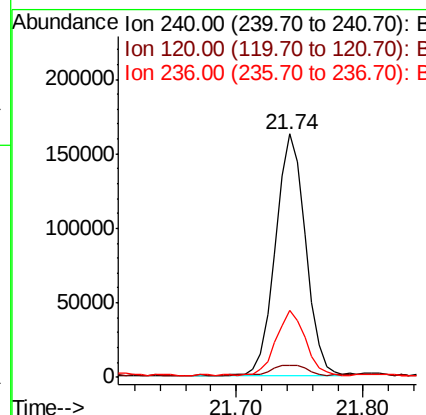
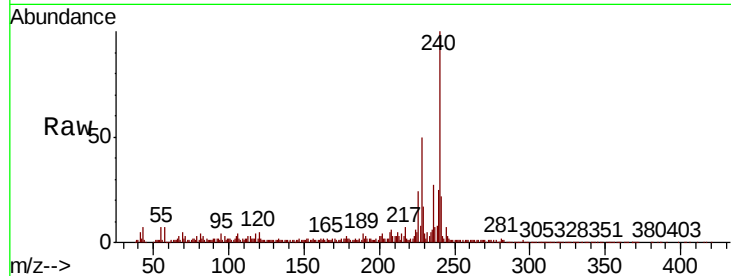
ClientSampleId :

SU-03-061719-A

Tgt Ion:	240	Resp:	267560
Ion Ratio	Lower	Upper	
240	100		
120	5.1	3.7	5.5
236	27.4	21.1	31.7

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#78

Pyrene

Concen: 62.430 ng

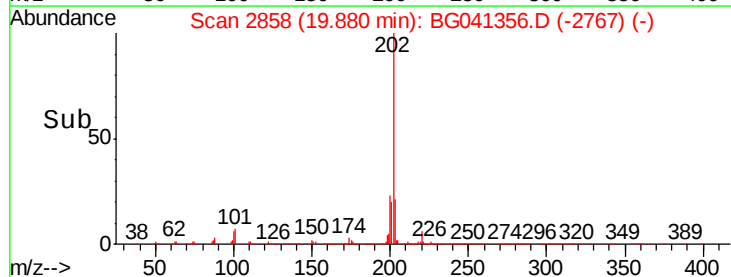
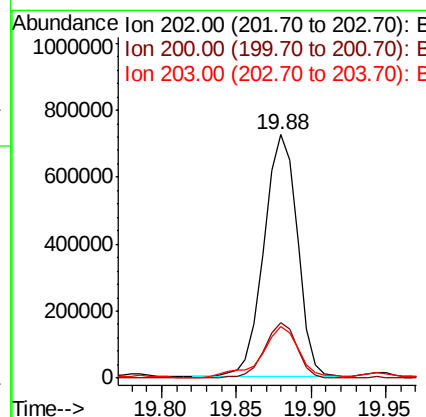
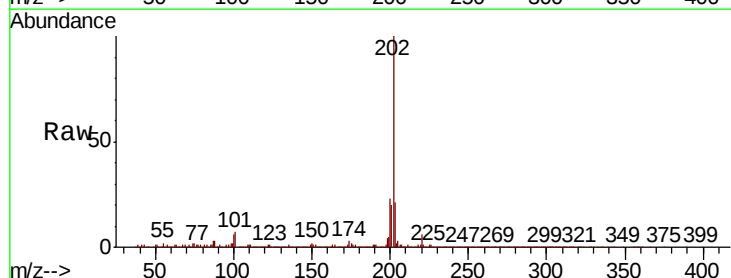
RT: 19.88 min Scan# 2858

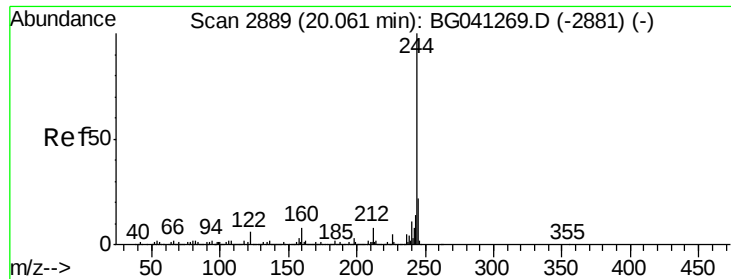
Delta R.T. 0.01 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Tgt Ion:	202	Resp:	1126523
Ion Ratio	Lower	Upper	
202	100		
200	22.7	16.8	25.2
203	21.2	14.6	21.8





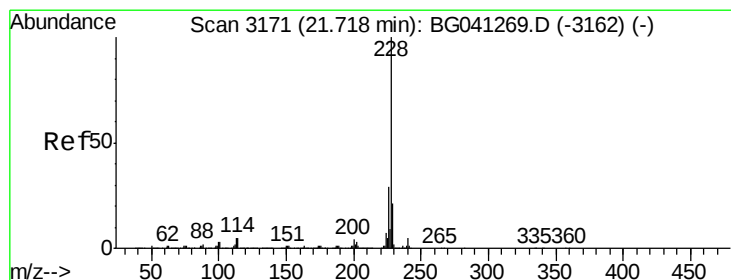
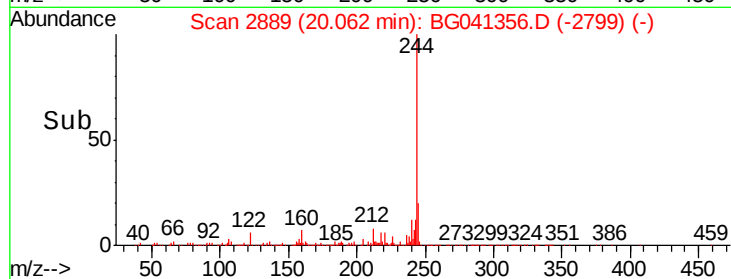
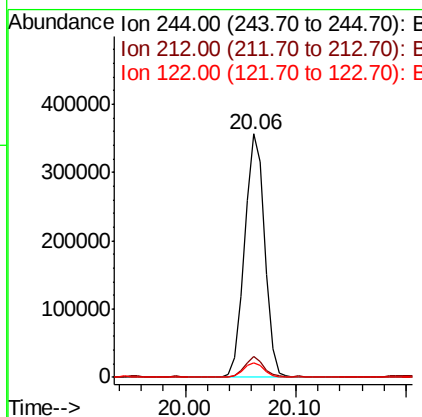
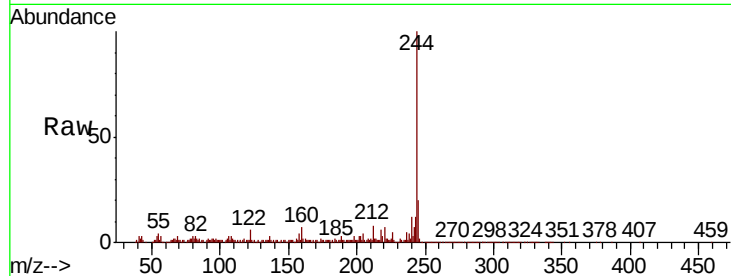
#79
 Terphenyl-d14
 Concen: 33.687 ng
 RT: 20.06 min Scan# 2889
 Delta R.T. 0.00 min
 Lab File: BG041356.D
 Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.6	10.0
122	6.1	5.0	7.4

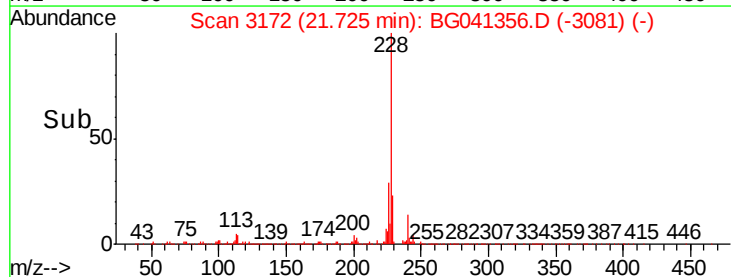
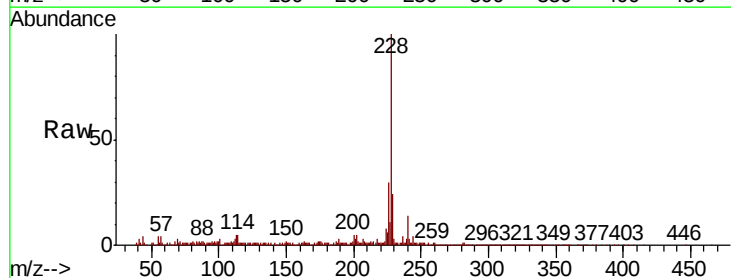
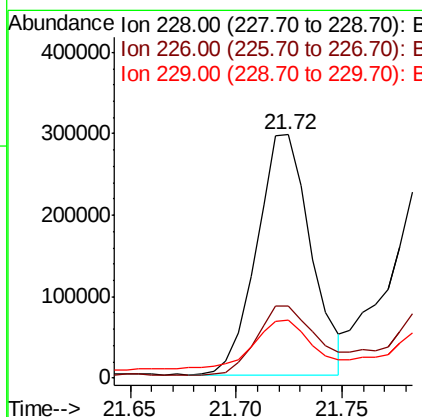
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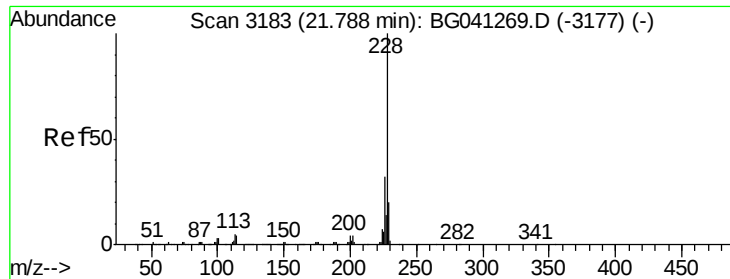
mohammad
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#81
 Benzo(a)anthracene
 Concen: 28.915 ng
 RT: 21.72 min Scan# 3172
 Delta R.T. 0.01 min
 Lab File: BG041356.D
 Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	24.0	16.8	25.2





#83

Chrysene

Concen: 32.878 ng m

RT: 21.79 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Instrument :

BNA_G

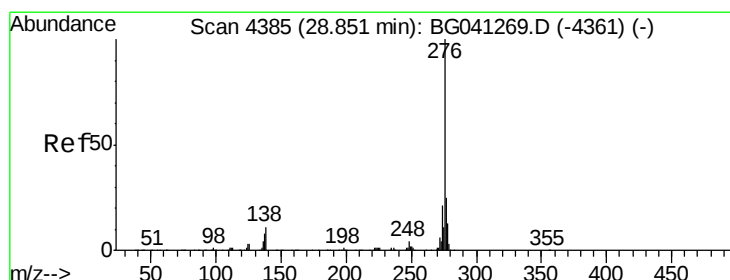
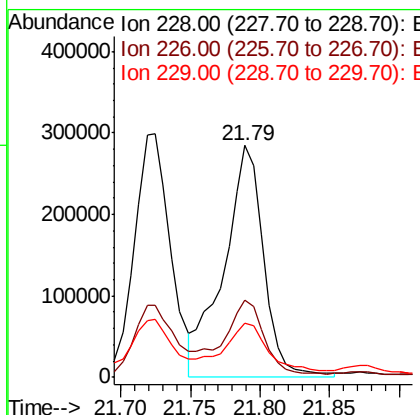
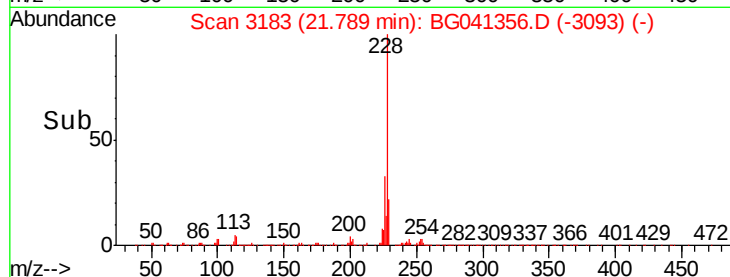
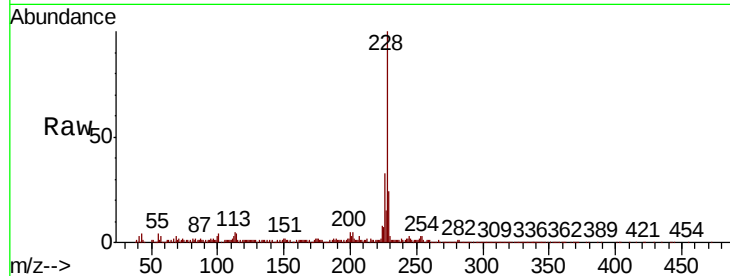
ClientSampleId :

SU-03-061719-A

Tgt Ion:	228	Resp:	572801
Ion Ratio	Lower	Upper	
228	100		
226	33.5	25.4	38.0
229	23.5	16.2	24.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 6.945 ng

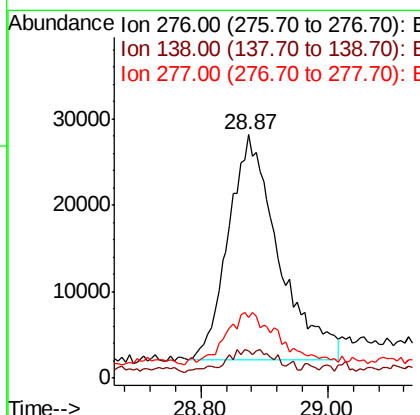
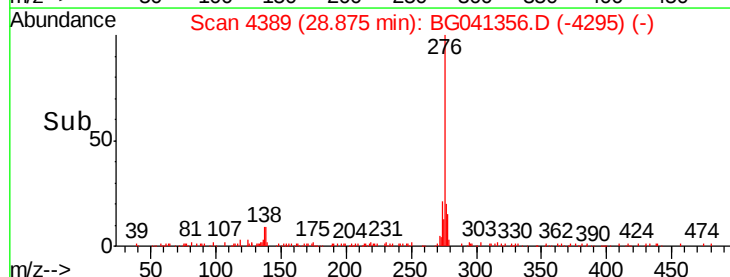
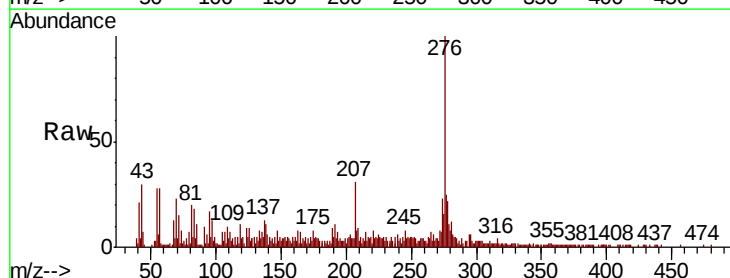
RT: 28.87 min Scan# 4389

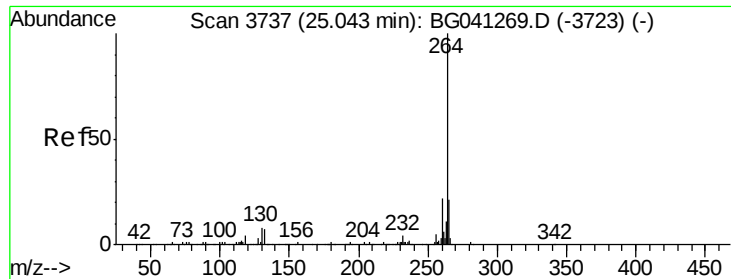
Delta R.T. 0.02 min

Lab File: BG041356.D

Acq: 20 Jun 2019 14:33

Tgt Ion:	276	Resp:	143561
Ion Ratio	Lower	Upper	
276	100		
138	0.0	7.7	11.5#
277	24.3	20.6	31.0





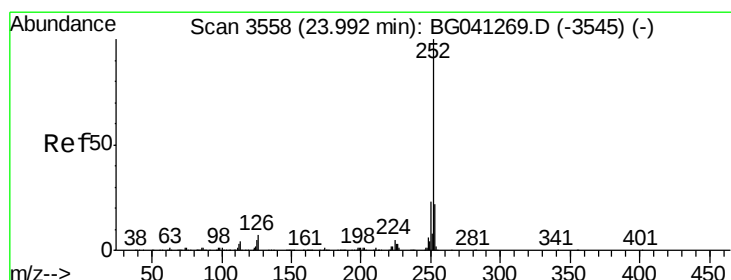
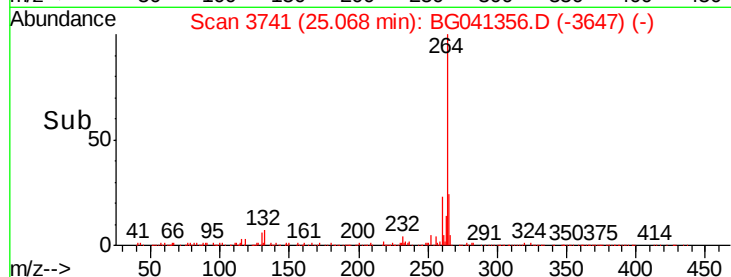
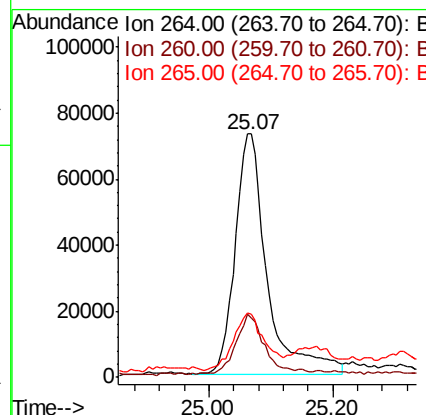
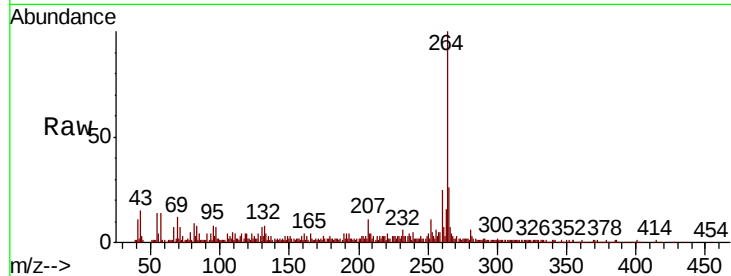
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3741
Delta R.T. 0.02 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.5	17.4	26.2
265	25.9	17.2	25.8

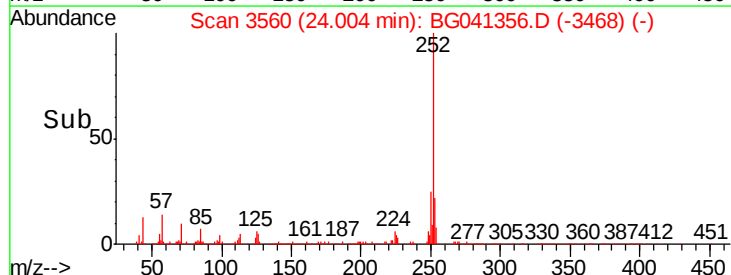
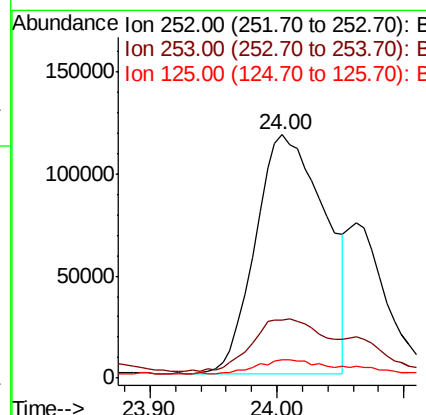
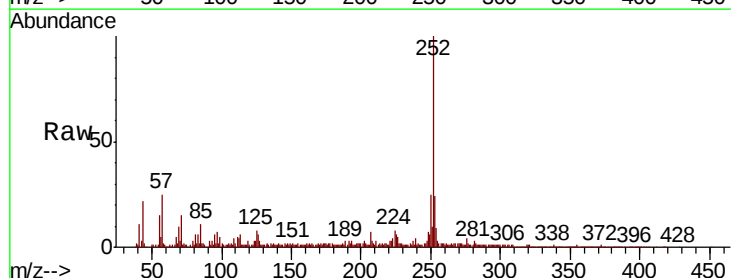
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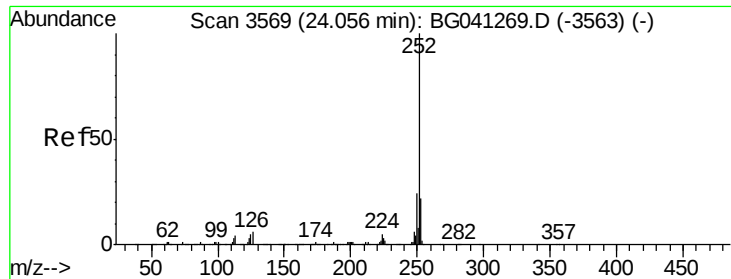
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#88
Benzo(b)fluoranthene
Concen: 27.513 ng
RT: 24.00 min Scan# 3560
Delta R.T. 0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.1	17.4	26.0
125	7.7	3.9	5.9





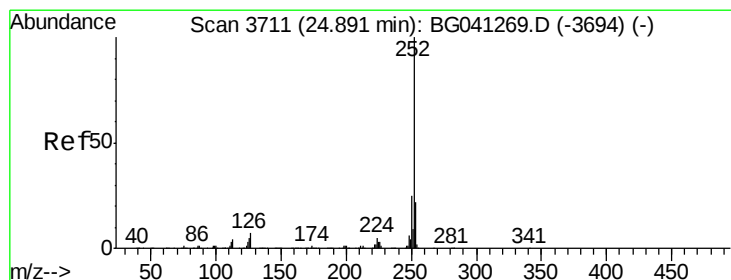
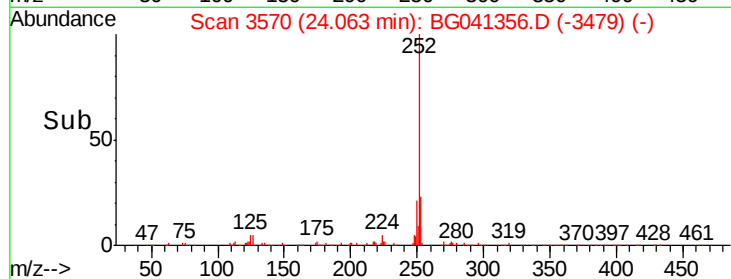
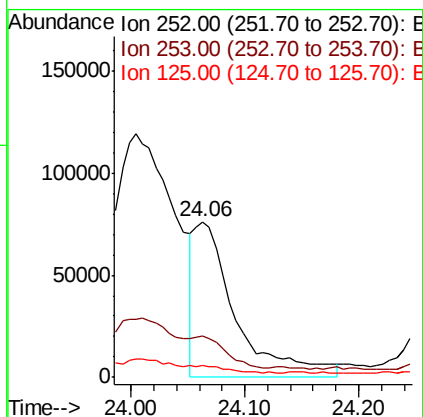
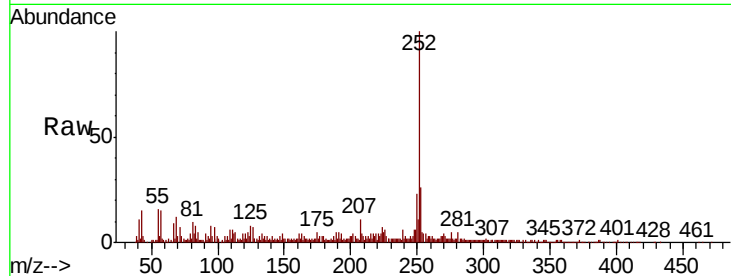
#89
Benzo(k)fluoranthene
Concen: 12.017 ng m
RT: 24.06 min Scan# 3570
Delta R.T. 0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	7.6	4.3	6.5#

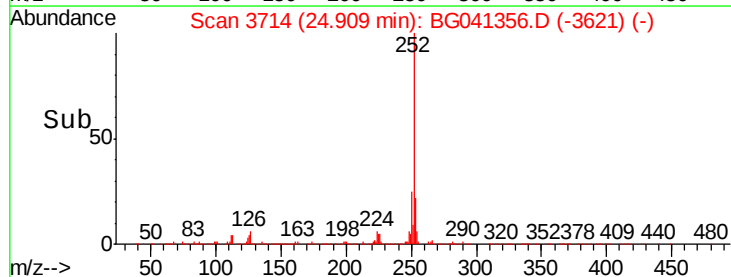
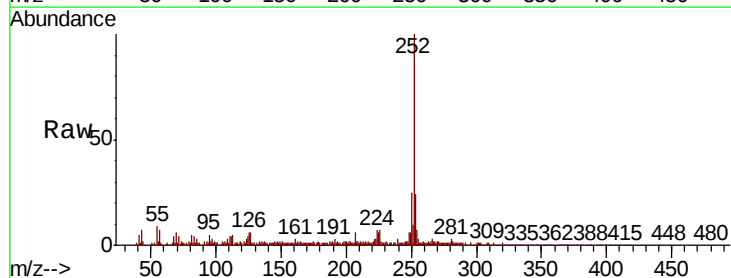
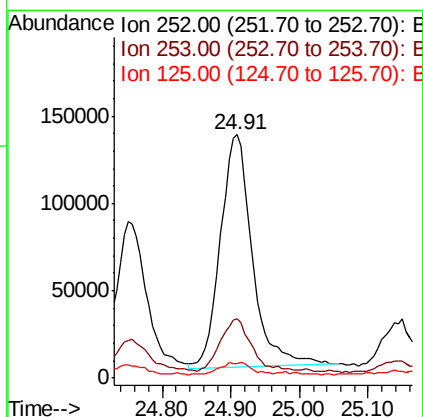
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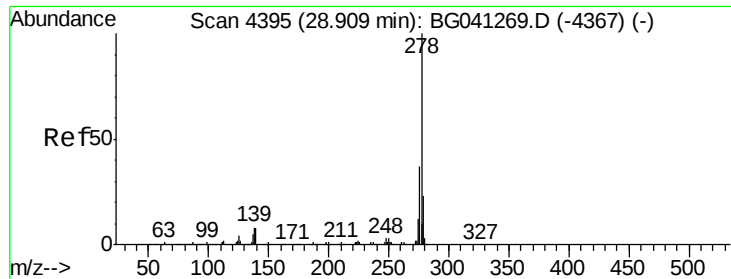
mohammad
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#90
Benzo(a)pyrene
Concen: 28.127 ng
RT: 24.91 min Scan# 3714
Delta R.T. 0.02 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	5.9	4.2	6.4





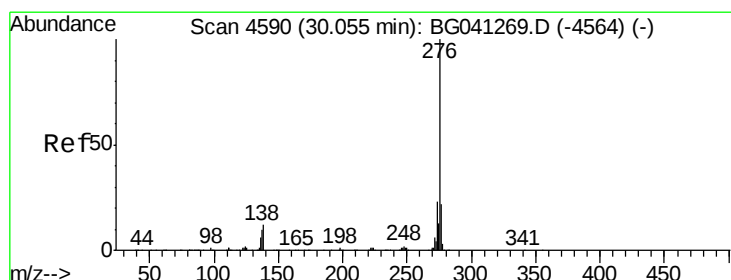
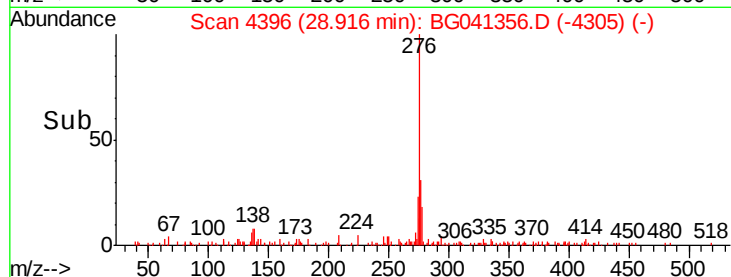
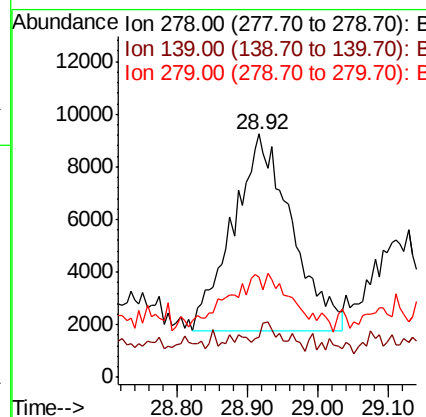
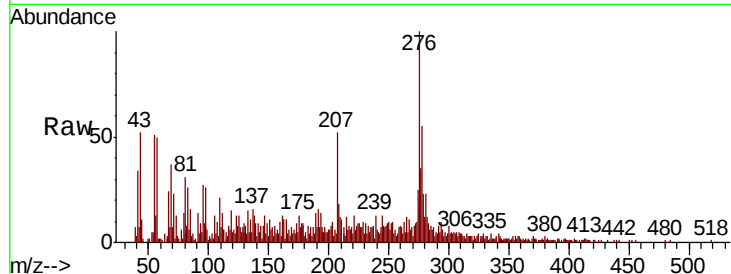
#91
Dibenzo(a,h)anthracene
Concen: 2.805 ng
RT: 28.92 min Scan# 4396
Delta R.T. 0.01 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	6.6	10.0#
279	41.2	18.5	27.7#

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#92
Benzo(g,h,i)perylene
Concen: 8.520 ng
RT: 30.09 min Scan# 4595
Delta R.T. 0.03 min
Lab File: BG041356.D
Acq: 20 Jun 2019 14:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	17.9	26.9#
138	9.8	9.4	14.0

