

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
 Data File : BG041360.D
 Acq On : 20 Jun 2019 17:06
 Operator : HP/JU
 Sample : K3157-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CL-01-061719-A

Manual Integrations
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Quant Time: Jun 20 17:56:06 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	45778	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	180641	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	120438	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	260974	20.00	ng	0.00
76) Chrysene-d12	21.75	240	253544	20.00	ng	0.00
87) Perylene-d12	25.08	264	157292	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	119153	47.83	ng	0.00
7) Phenol-d6	7.24	99	175759	48.67	ng	0.00
23) Nitrobenzene-d5	9.26	82	125182	29.14	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	78149	42.27	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	274713	31.00	ng	0.00
79) Terphenyl-d14	20.06	244	391083	30.57	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.16	163	31329	2.924	ng	96
71) Phenanthrene	17.51	178	56354	4.049	ng	97
75) Fluoranthene	19.51	202	143182	7.743	ng	99
78) Pyrene	19.88	202	143693	8.403	ng	97
81) Benzo(a)anthracene	21.73	228	66105	3.851	ng	# 93
83) Chrysene	21.79	228	79763	4.831	ng	# 93
88) Benzo(b)fluoranthene	24.01	252	62761	6.438	ng	# 48
89) Benzo(k)fluoranthene	24.07	252	39041m	4.043	ng	
90) Benzo(a)pyrene	24.92	252	37777	4.103	ng	# 67

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

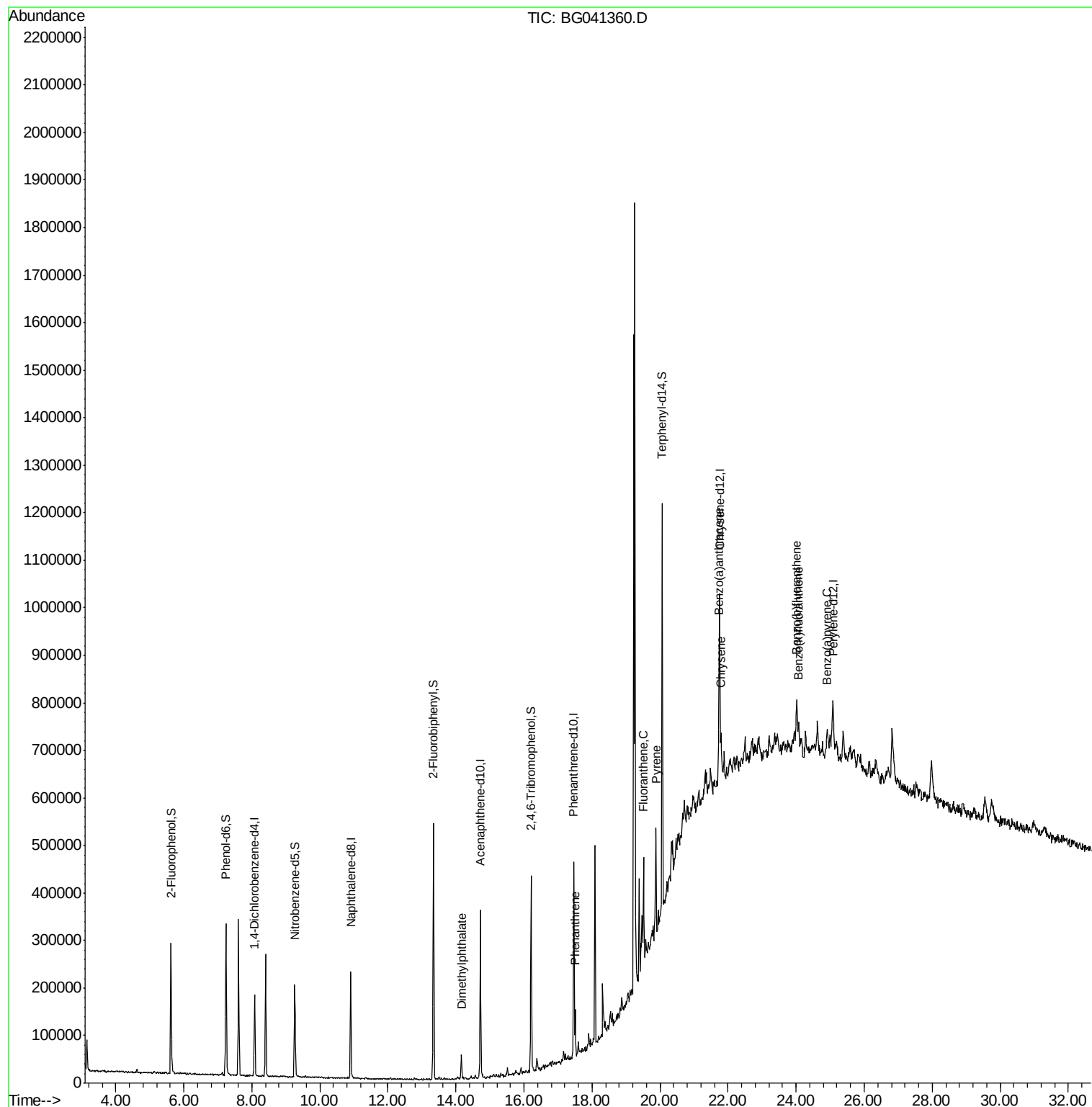
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041360.D
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Operator : HP/JU
Sample : K3157-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

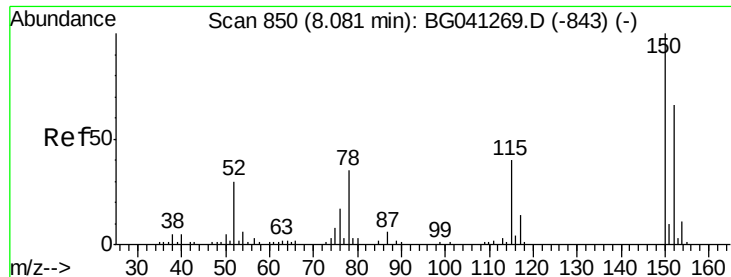
Instrument :
BNA_G
ClientSampleId :
CL-01-061719-A

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#1

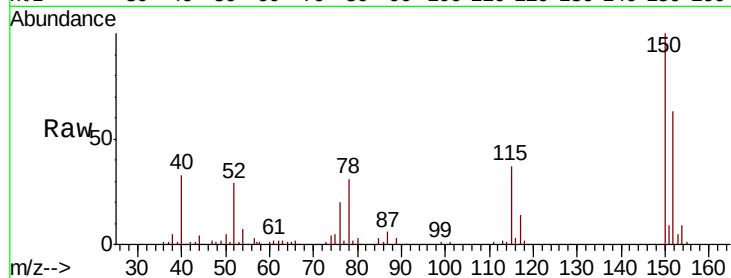
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Instrument :
BNA_G
ClientSampleId :
CL-01-061719-A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	120.6	181.0
115	57.7	47.9	71.9

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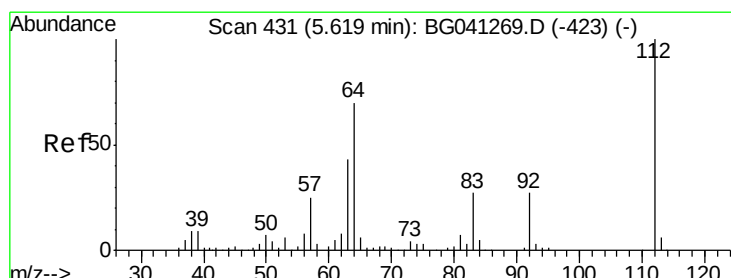
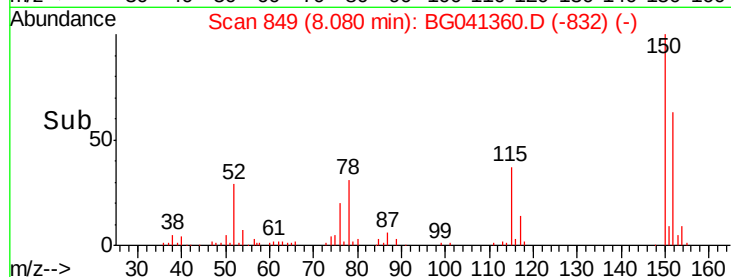
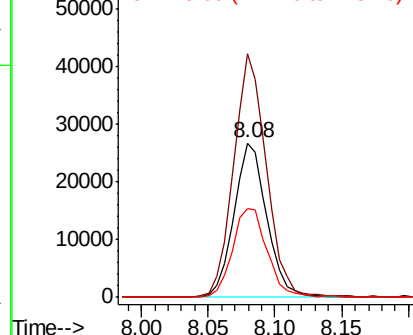


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

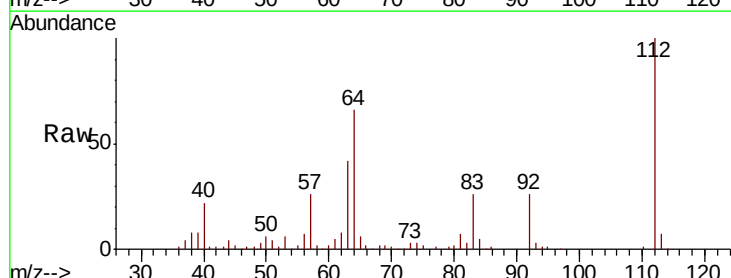
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.825 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	55.9	83.9
63	42.0	34.6	51.8

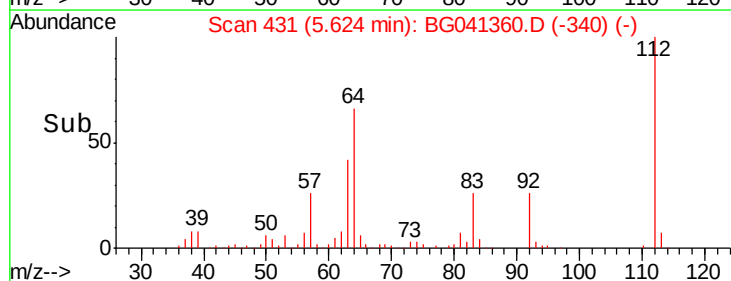
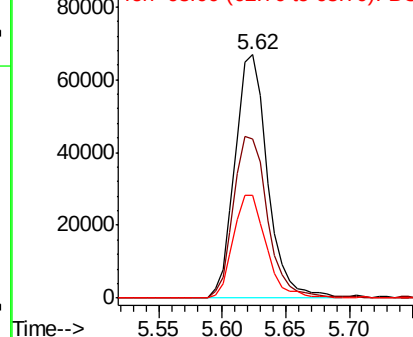


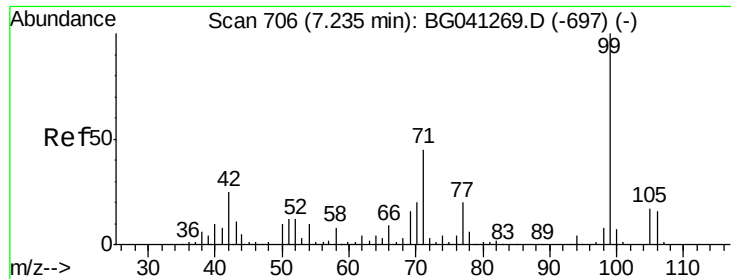
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 48.668 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

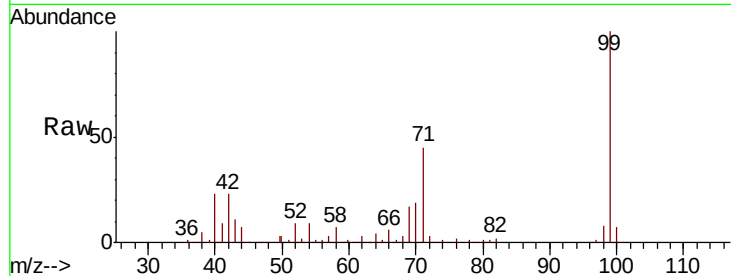
ClientSampleId :

CL-01-061719-A

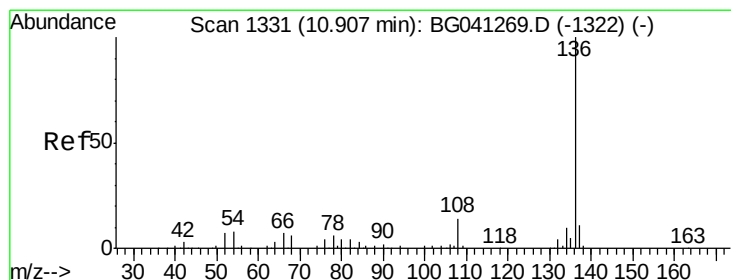
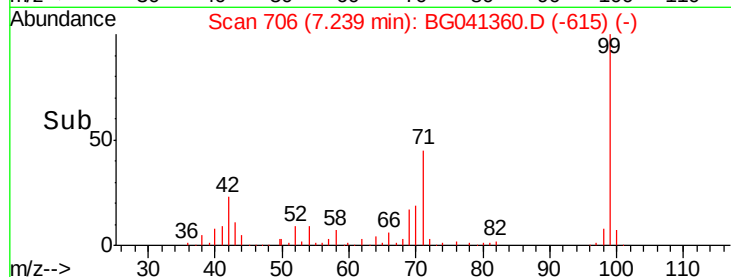
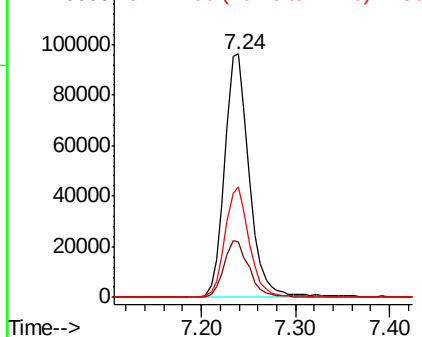
Tgt Ion:	99	Resp:	175759
Ion	Ratio	Lower	Upper
99	100		
42	22.7	19.9	29.9
71	45.3	36.4	54.6

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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: 10.91 min Scan# 1330

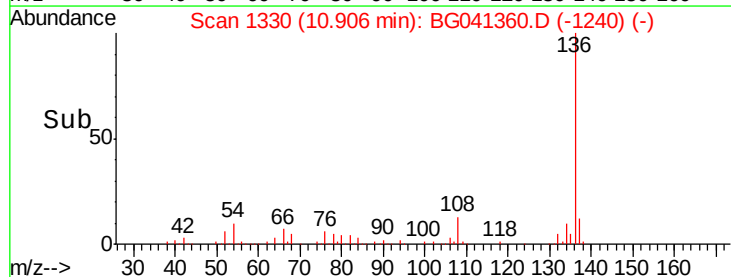
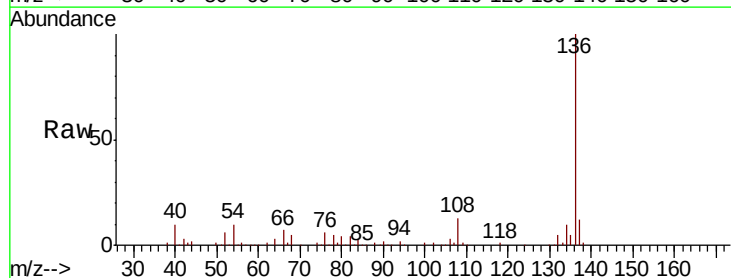
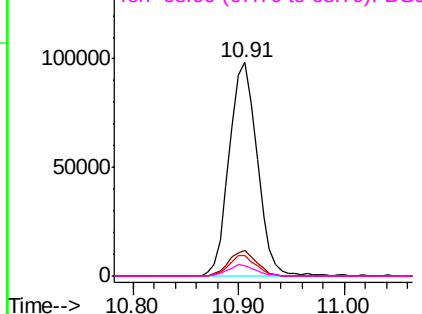
Delta R.T. -0.00 min

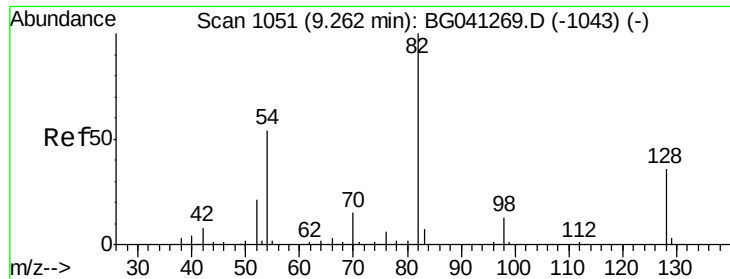
Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Tgt Ion:	136	Resp:	180641
Ion	Ratio	Lower	Upper
136	100		
137	12.0	8.8	13.2
54	9.6	6.4	9.6
68	4.9	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





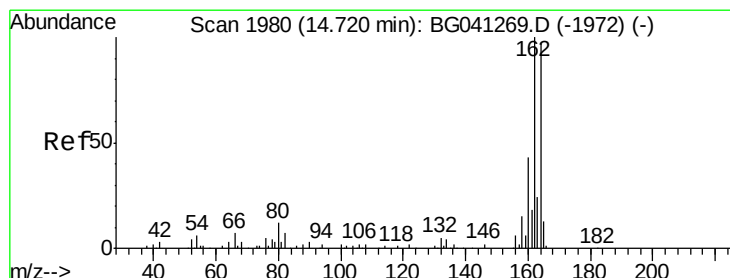
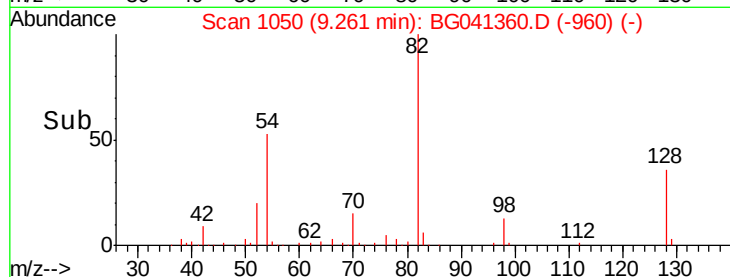
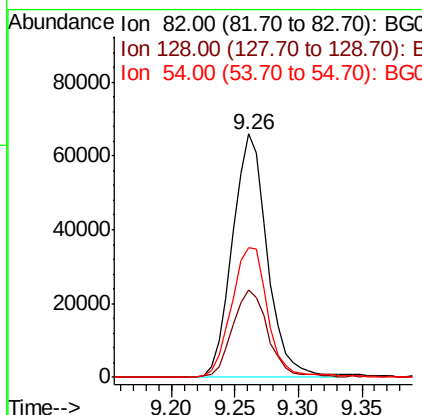
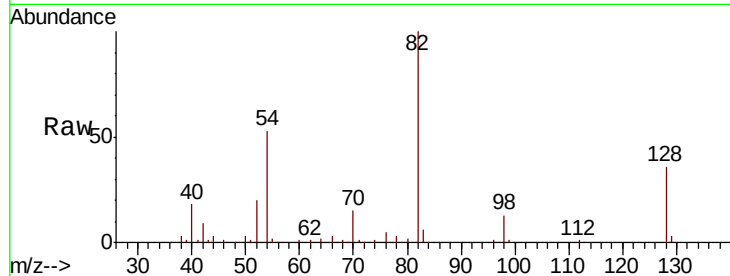
#23
 Nitrobenzene-d5
 Concen: 29.144 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BG041360.D
 Acq: 20 Jun 2019 17:06

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	125182		
128	35.9	29.2	43.8	
54	53.1	43.4	65.0	

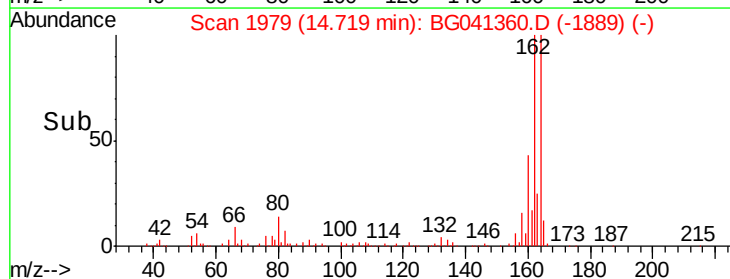
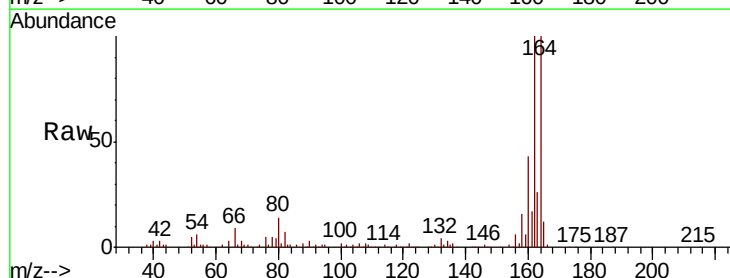
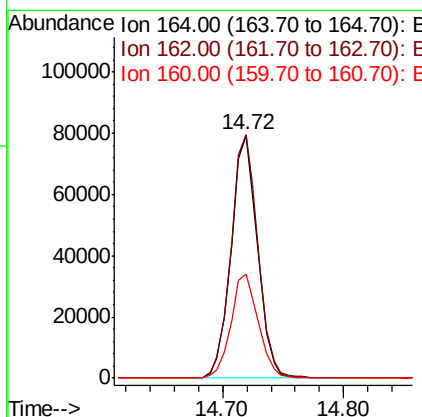
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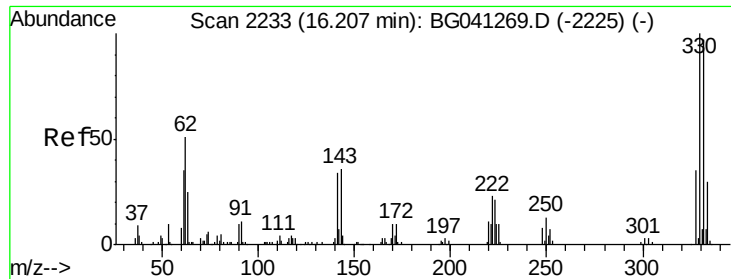
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: BG041360.D
 Acq: 20 Jun 2019 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	120438		
162	100.3	82.8	124.2	
160	43.0	35.8	53.8	





#42

2,4,6-Tribromophenol

Concen: 42.266 ng

RT: 16.21 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

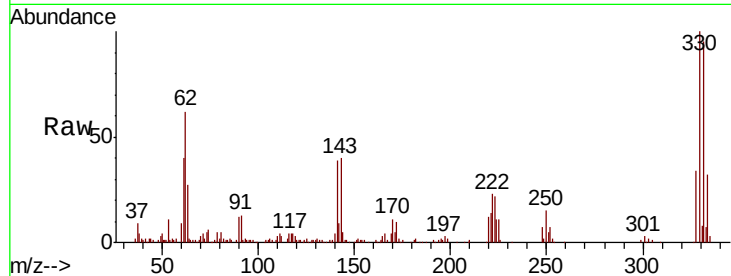
ClientSampleId :

CL-01-061719-A

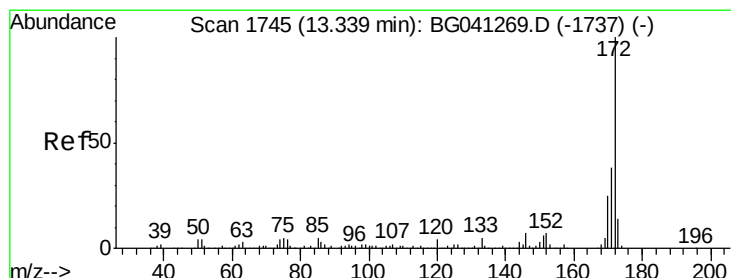
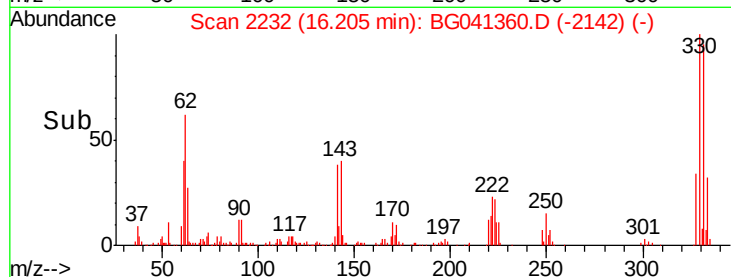
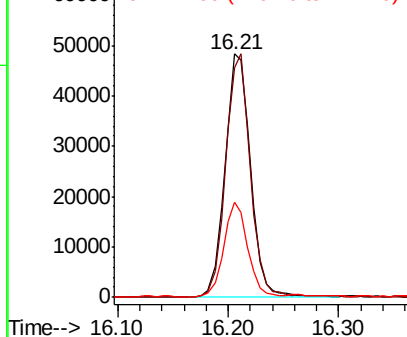
Tgt Ion:	330	Resp:	78149
Ion Ratio	Lower	Upper	
330	100		
332	97.4	75.5	113.3
141	36.8	29.0	43.4

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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: 31.002 ng

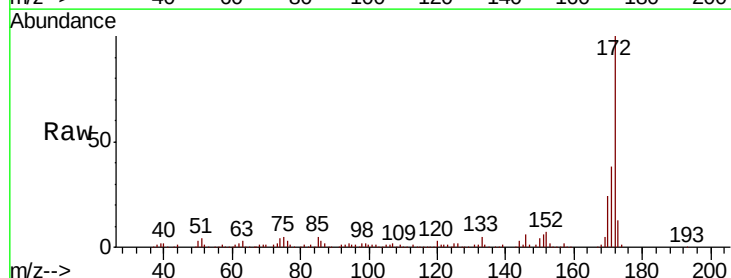
RT: 13.34 min Scan# 1744

Delta R.T. -0.00 min

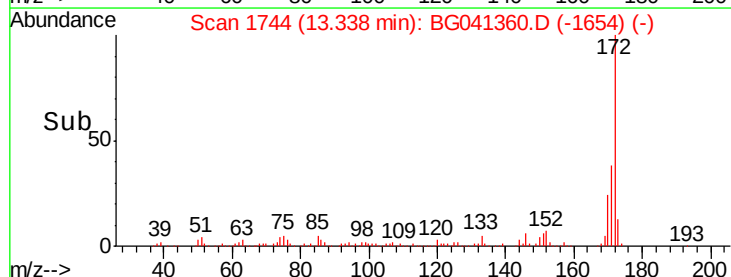
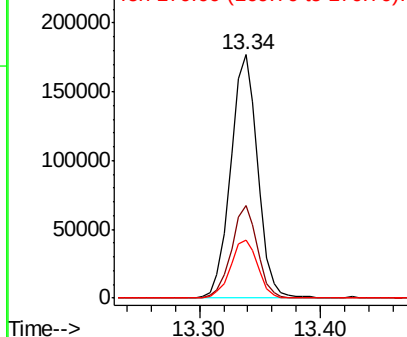
Lab File: BG041360.D

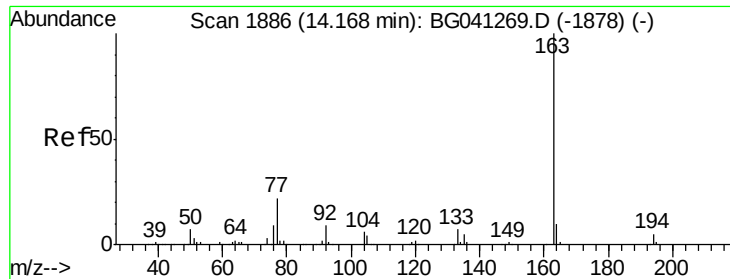
Acq: 20 Jun 2019 17:06

Tgt Ion:	172	Resp:	274713
Ion Ratio	Lower	Upper	
172	100		
171	37.8	30.0	45.0
170	24.1	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





#50

Dimethylphthalate

Concen: 2.924 ng

RT: 14.16 min Scan# 1884

Delta R.T. -0.01 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

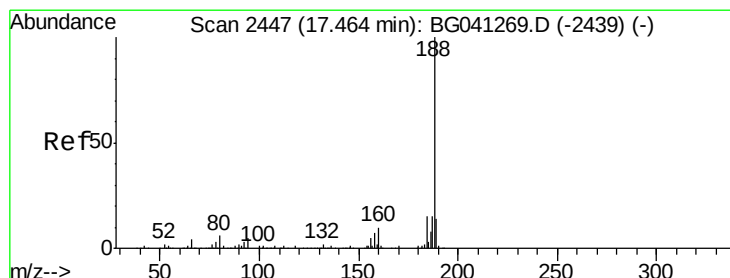
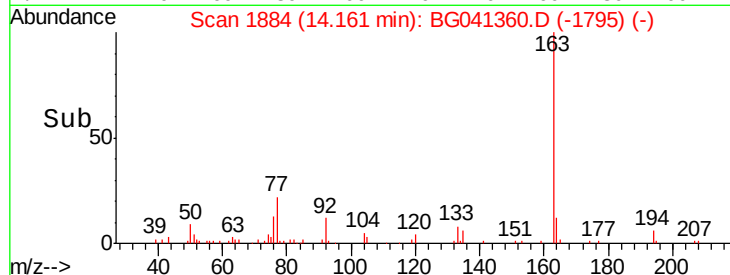
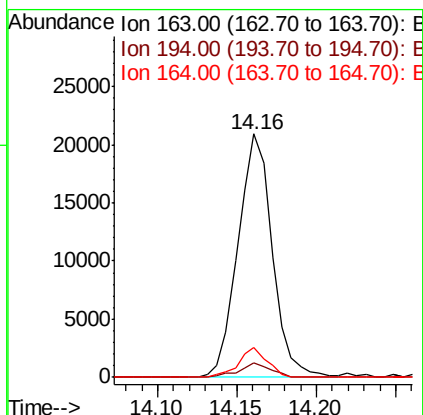
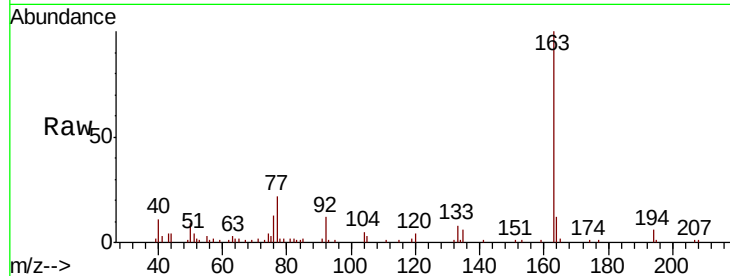
ClientSampleId :

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Tgt Ion:	163	Resp:	31329
Ion Ratio	Lower	Upper	
163	100		
194	5.8	3.9	5.9
164	12.2	8.3	12.5

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#64

Phenanthrene-d10

Concen: 20.000 ng

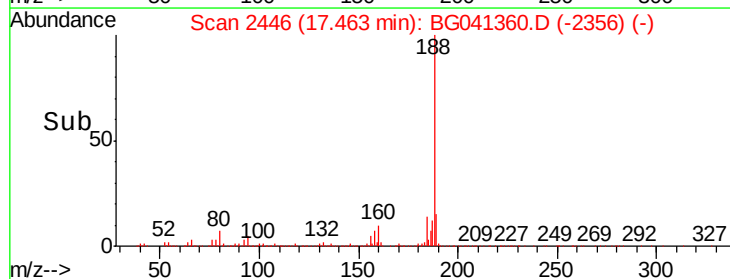
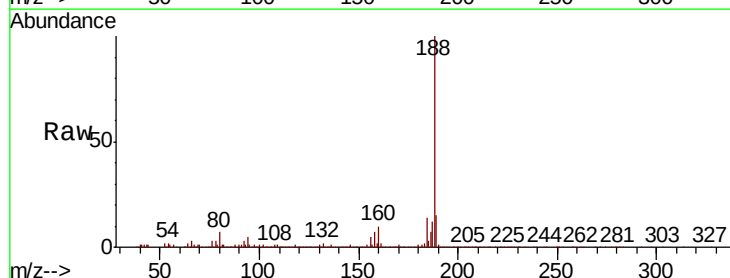
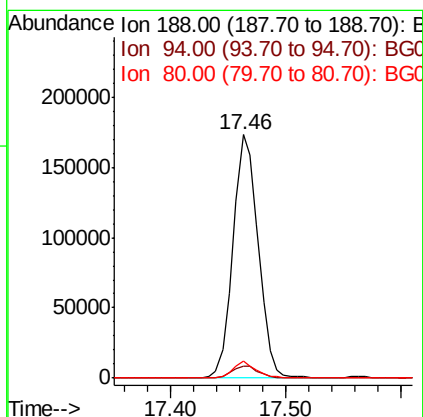
RT: 17.46 min Scan# 2446

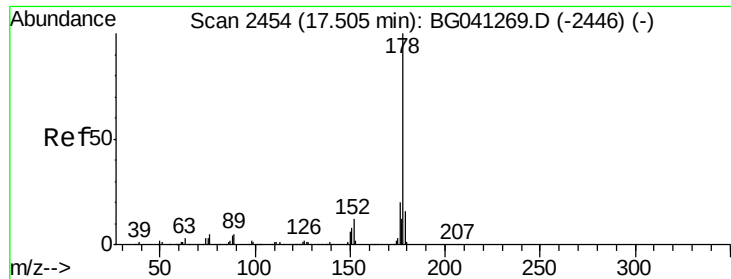
Delta R.T. -0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Tgt Ion:	188	Resp:	260974
Ion Ratio	Lower	Upper	
188	100		
94	5.0	3.6	5.4
80	7.0	4.8	7.2





#71

Phenanthrene

Concen: 4.049 ng

RT: 17.51 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

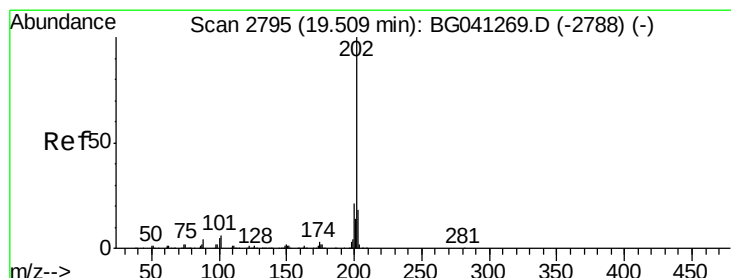
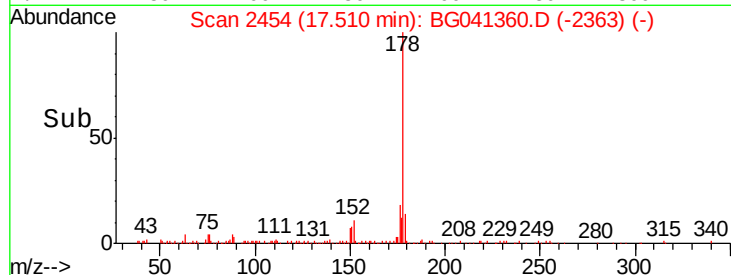
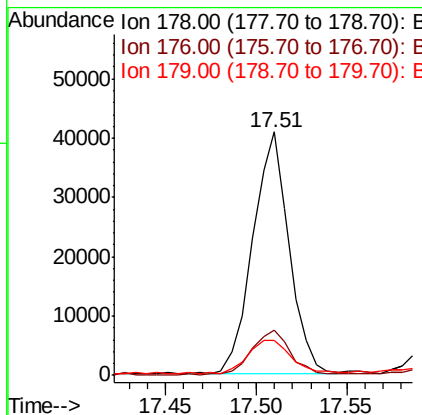
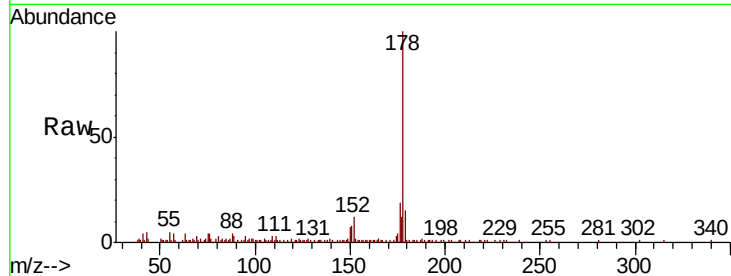
ClientSampleId :

CL-01-061719-A

Tgt Ion:	178	Resp:	56354
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.1	24.1
179	14.6	12.9	19.3

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#75

Fluoranthene

Concen: 7.743 ng

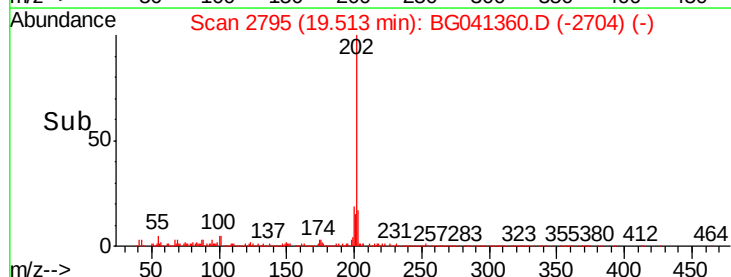
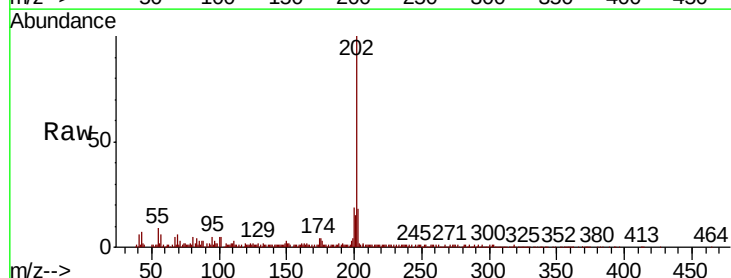
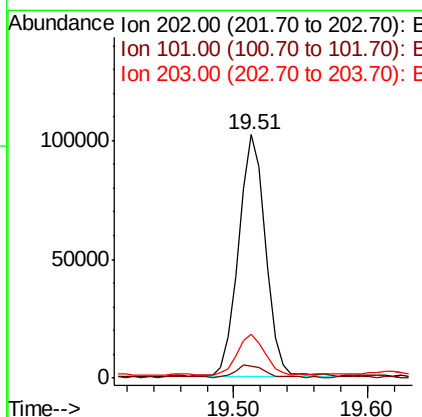
RT: 19.51 min Scan# 2795

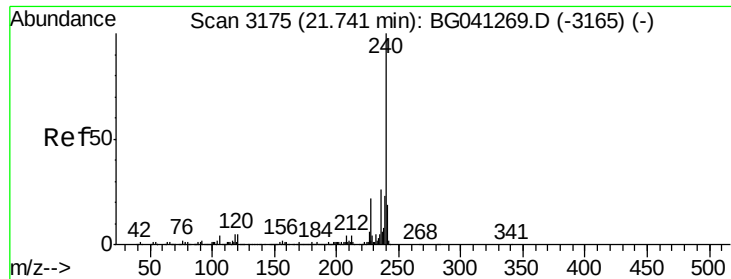
Delta R.T. 0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Tgt Ion:	202	Resp:	143182
Ion Ratio	Lower	Upper	
202	100		
101	5.0	0.0	26.0
203	18.0	0.0	37.7





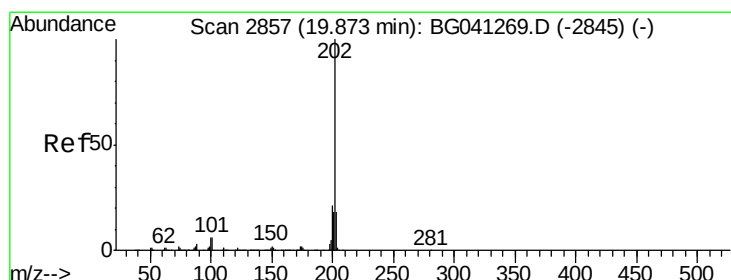
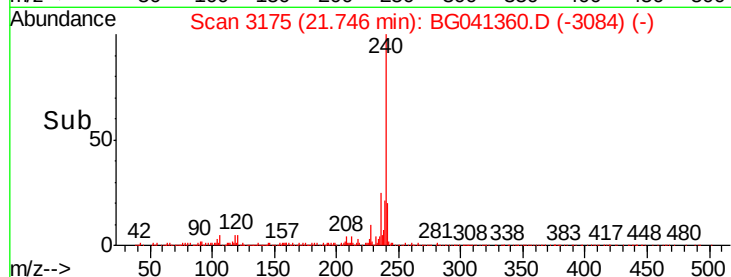
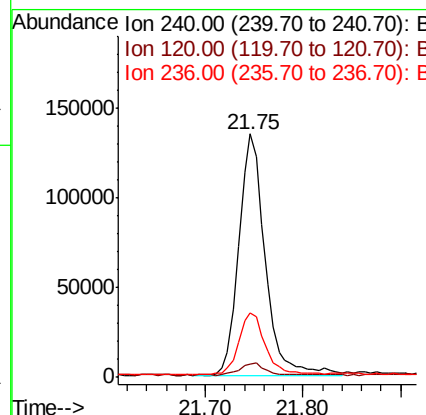
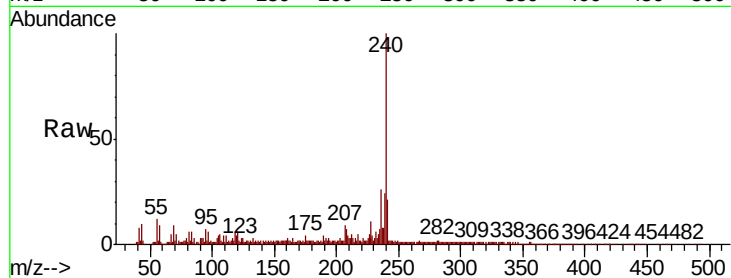
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Instrument :
BNA_G
ClientSampleId :
CL-01-061719-A

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	3.7	5.5
236	26.3	21.1	31.7

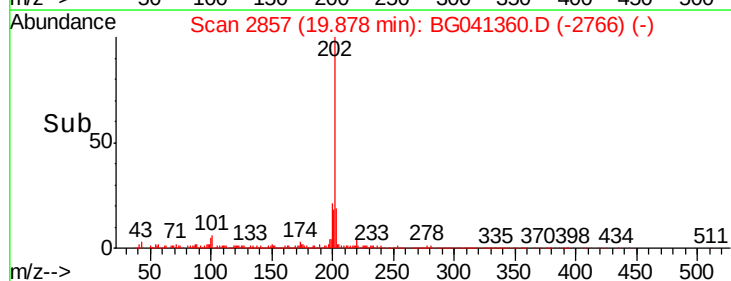
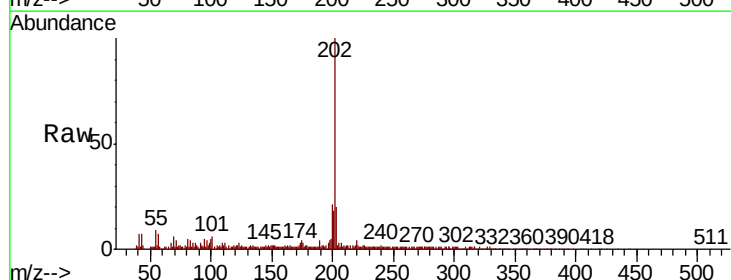
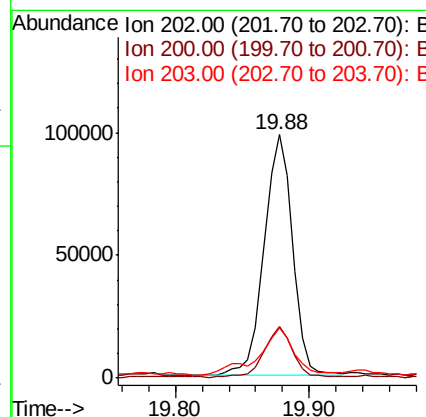
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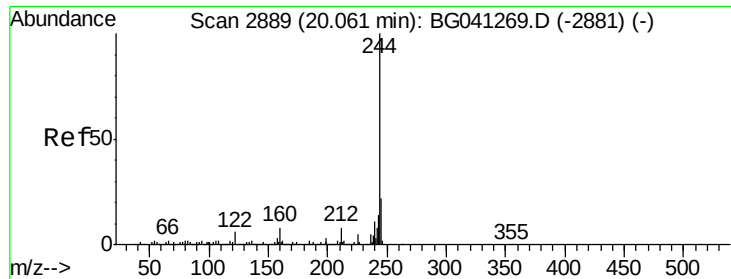
mohammad
6/21/2019 9:58:49 PM



#78
Pyrene
Concen: 8.403 ng
RT: 19.88 min Scan# 2857
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	20.5	14.6	21.8





#79

Terphenyl-d14

Concen: 30.568 ng

RT: 20.06 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG041360.D

Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

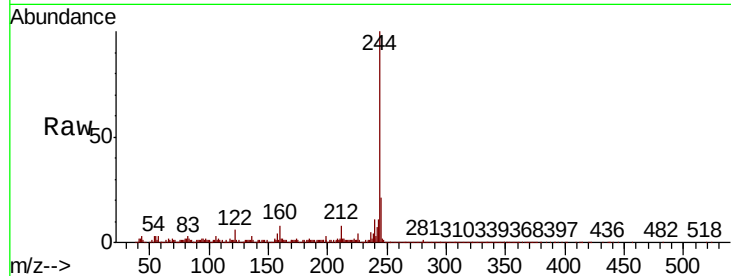
ClientSampleId :

CL-01-061719-A

Tgt Ion:	244	Resp:	391083
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.6	10.0
122	6.1	5.0	7.4

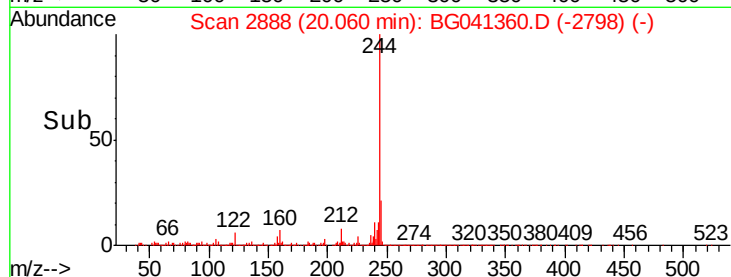
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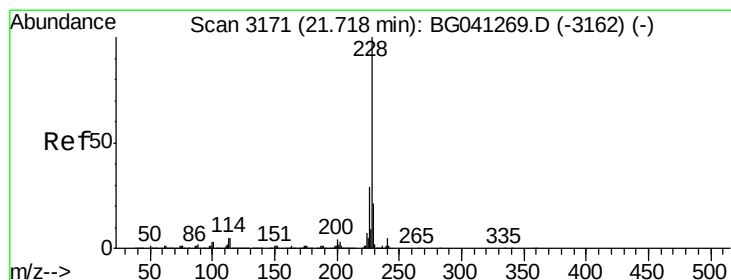


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

20.06



Time-->



#81

Benzo(a)anthracene

Concen: 3.851 ng

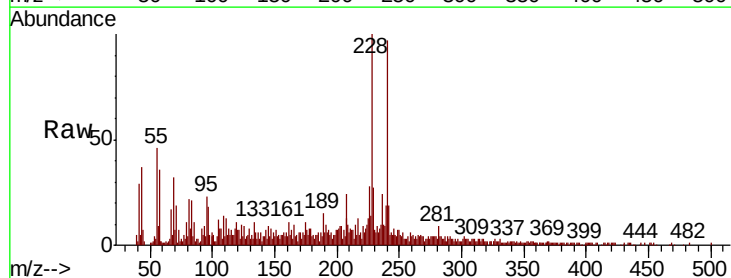
RT: 21.73 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041360.D

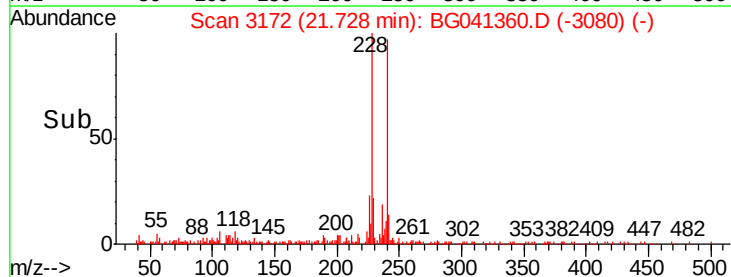
Acq: 20 Jun 2019 17:06

Tgt Ion:	228	Resp:	66105
Ion Ratio	Lower	Upper	
228	100		
226	27.8	23.2	34.8
229	27.3	16.8	25.2#

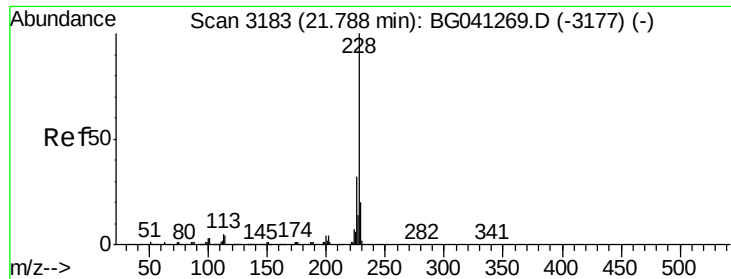


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

21.73



Time-->



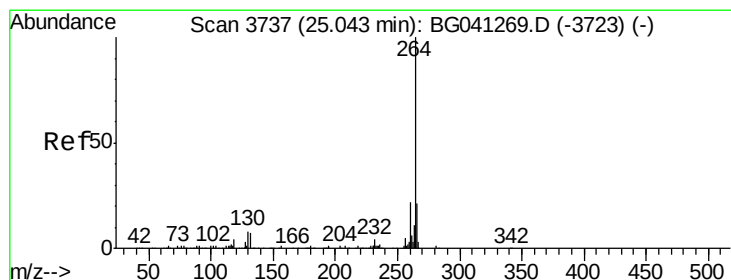
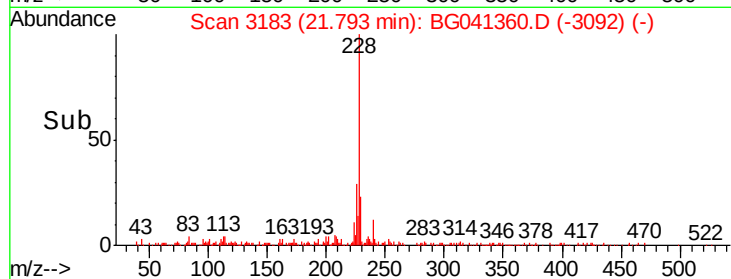
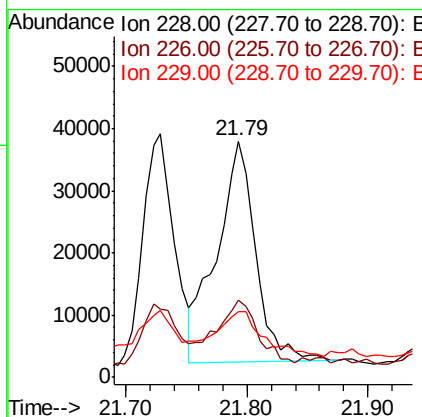
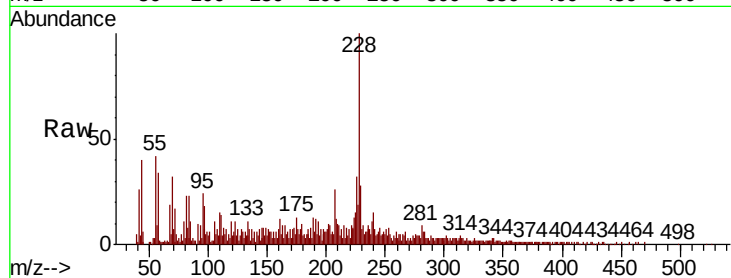
#83
Chrysene
Concen: 4.831 ng
RT: 21.79 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Instrument :
BNA_G
ClientSampleId :
CL-01-061719-A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.4	38.0
229	28.0	16.2	24.2

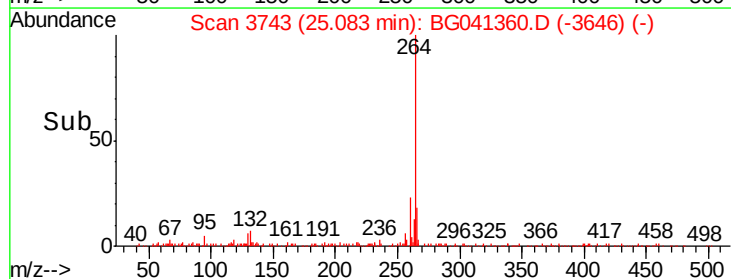
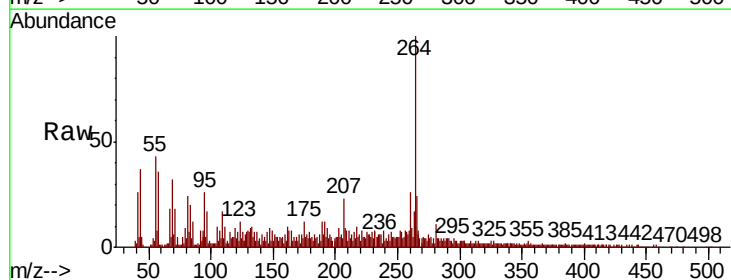
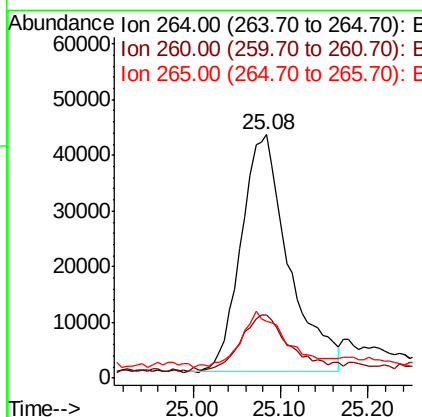
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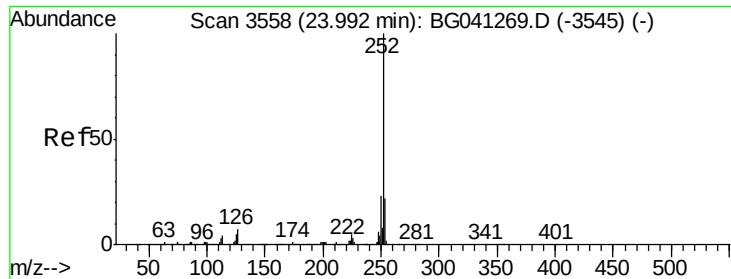
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#87
Perylene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. 0.04 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.9	17.4	26.2
265	23.5	17.2	25.8





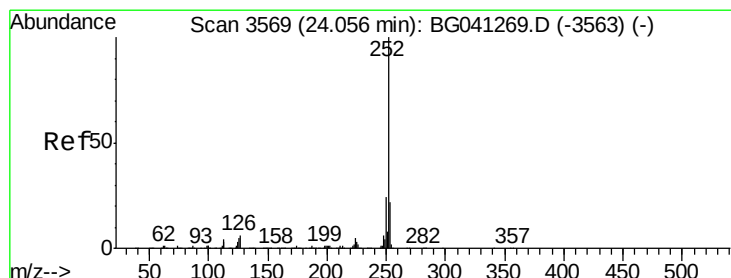
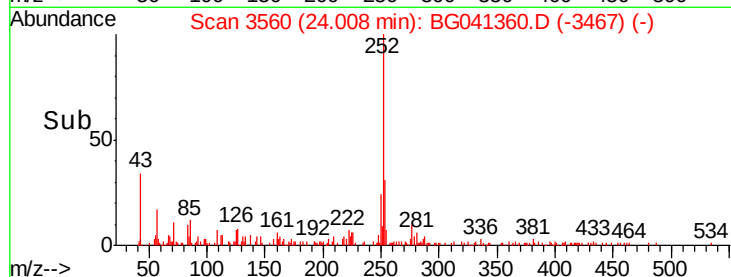
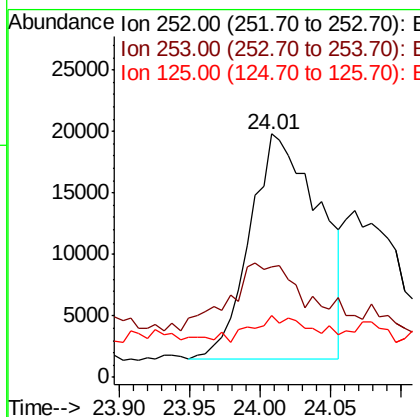
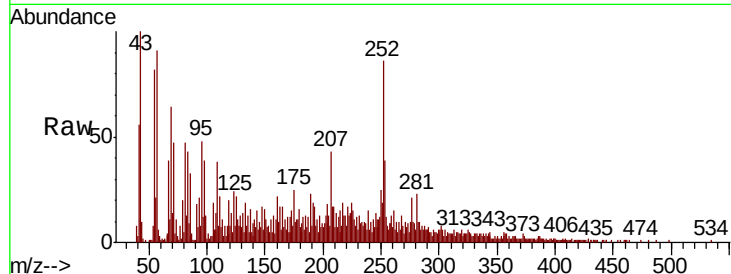
#88
Benzo(b)fluoranthene
Concen: 6.438 ng
RT: 24.01 min Scan# 3560
Delta R.T. 0.02 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Instrument :
BNA_G
ClientSampleId :
CL-01-061719-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.4	17.4	26.0#
125	25.5	3.9	5.9#

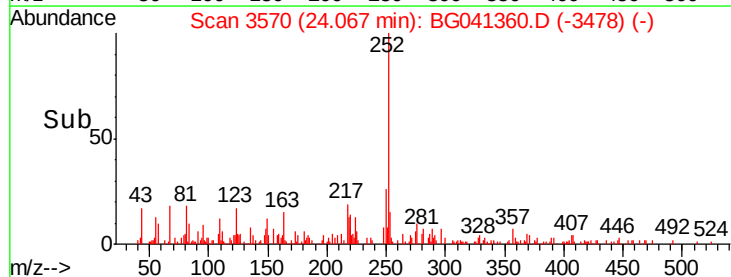
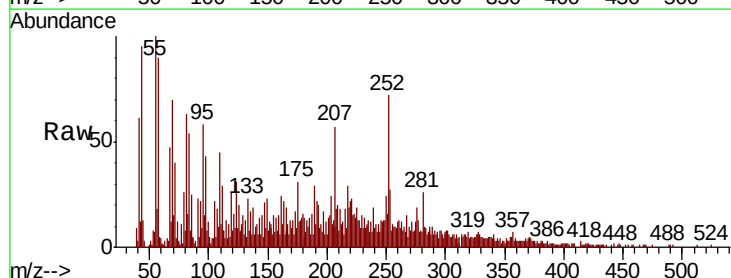
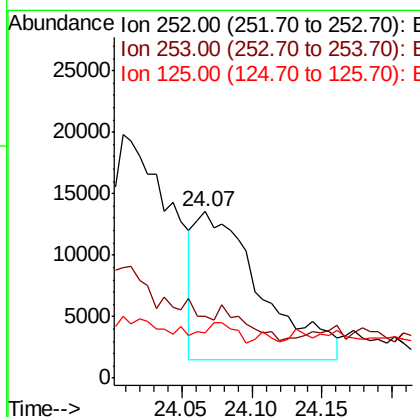
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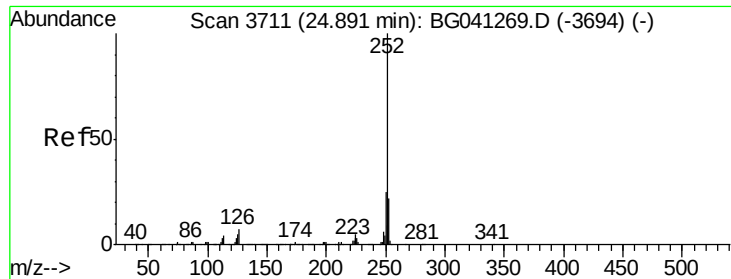
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.043 ng m
RT: 24.07 min Scan# 3570
Delta R.T. 0.01 min
Lab File: BG041360.D
Acq: 20 Jun 2019 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.0	18.0	27.0#
125	27.5	4.3	6.5#





#90

Benzo(a)pyrene

Concen: 4.103 ng

RT: 24.92 min Scan# 3715

Delta R.T. 0.03 min

Lab File: BG041360.D

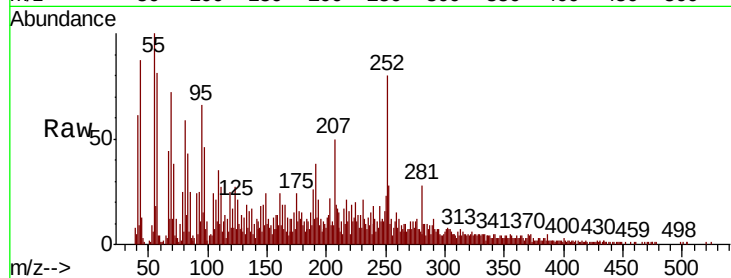
Acq: 20 Jun 2019 17:06

Instrument :

BNA_G

ClientSampleId :

CL-01-061719-A



Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.4	17.8	26.6#
125	26.6	4.2	6.4#

Manual Integrations
APPROVED

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