

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
 Data File : BG042478.D
 Acq On : 25 Aug 2019 15:09
 Operator : HP/JU
 Sample : K4451-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2

Manual Integrations
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mohammad
 8/31/2019 3:48:35 PM

Quant Time: Aug 26 15:55:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 22 14:29:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	57695	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	214554	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	160939	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	327859	20.00	ng	0.00
76) Chrysene-d12	21.69	240	368718	20.00	ng	0.00
87) Perylene-d12	24.92	264	435389	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	394389	138.44	ng	0.00
7) Phenol-d6	7.17	99	534154	138.81	ng	0.00
23) Nitrobenzene-d5	9.17	82	328988	105.96	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	291283	127.34	ng	0.00
45) 2-Fluorobiphenyl	13.29	172	903763	94.98	ng	0.00
79) Terphenyl-d14	20.03	244	1425724	83.60	ng	0.00

Target Compounds				Qvalue		
27) 2,4-Dimethylphenol	10.04	122	7750m	2.856	ng	
31) Naphthalene	10.88	128	24841	2.494	ng	# 1
37) 2-Methylnaphthalene	12.49	142	72591m	9.076	ng	
38) 1-Methylnaphthalene	12.71	142	690939	90.944	ng	# 97
49) Acenaphthylene	14.40	152	48709	3.609	ng	# 1
50) Dimethylphthalate	14.11	163	170022	14.641	ng	# 76
52) Acenaphthene	14.74	154	113356	13.833	ng	# 84
55) Dibenzofuran	15.07	168	164109	12.098	ng	# 1
58) Fluorene	15.72	166	370012	33.370	ng	# 90
71) Phenanthrene	17.47	178	914974	56.184	ng	# 93
72) Anthracene	17.52	178	74352m	4.573	ng	
75) Fluoranthene	19.48	202	58266	2.932	ng	68
78) Pvrene	19.84	202	294157	13.012	ng	# 94

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

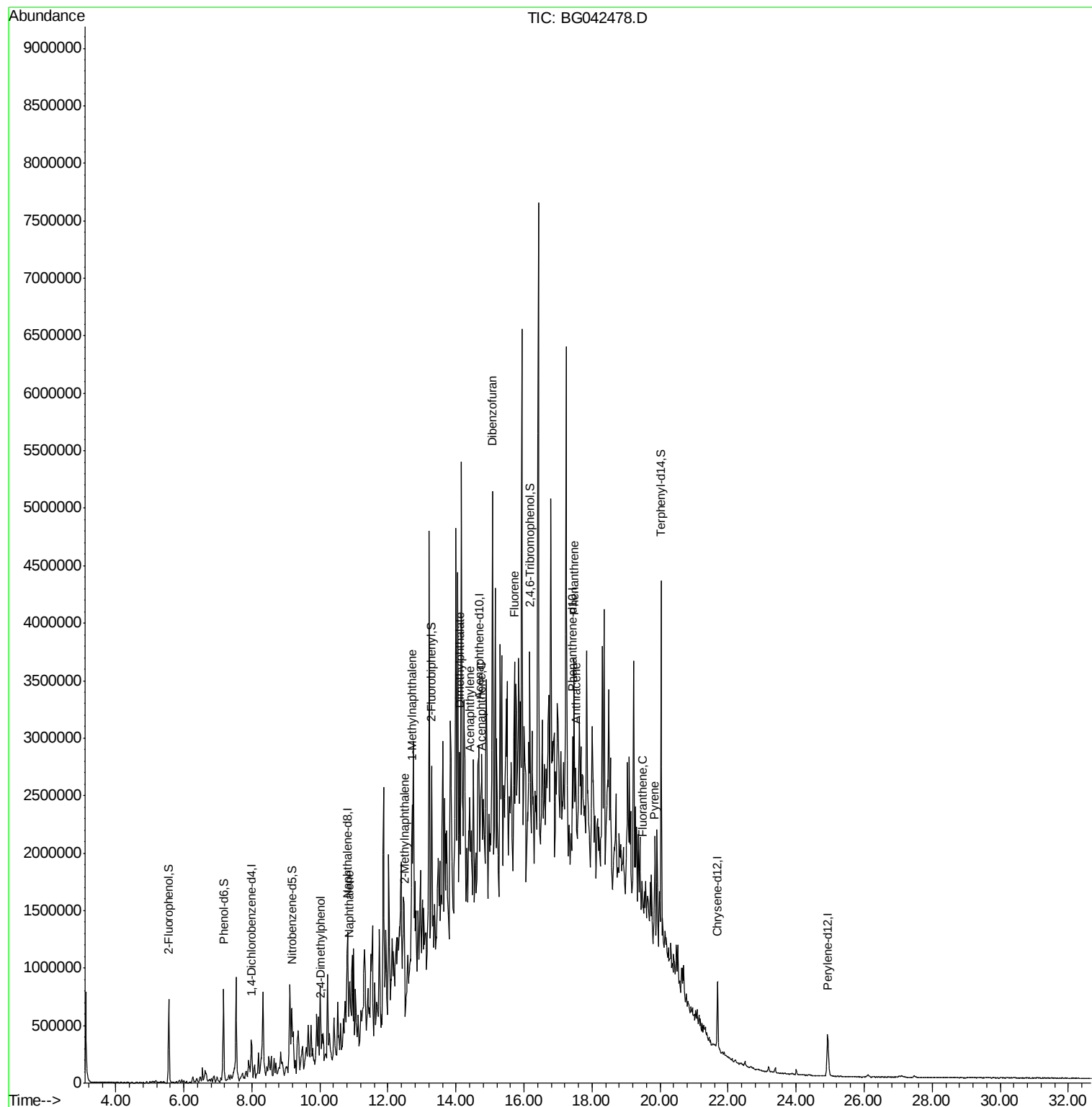
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082519\
Data File : BG042478.D
Acq On : 25 Aug 2019 15:09
Operator : HP/JU
Sample : K4451-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

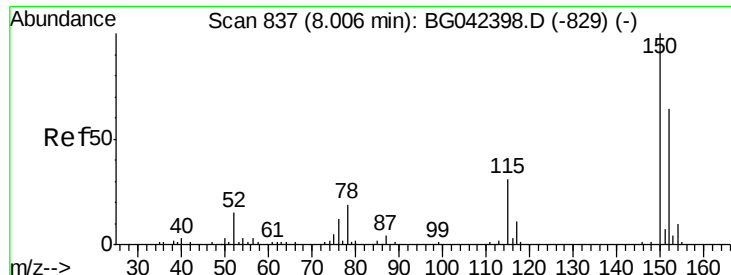
Instrument :
BNA_G
ClientSampleId :
B-2

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QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 835

Delta R.T. -0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

ClientSampleId :

B-2

Tot Ion:152 Resp: 57695

Ion Ratio Lower Upper

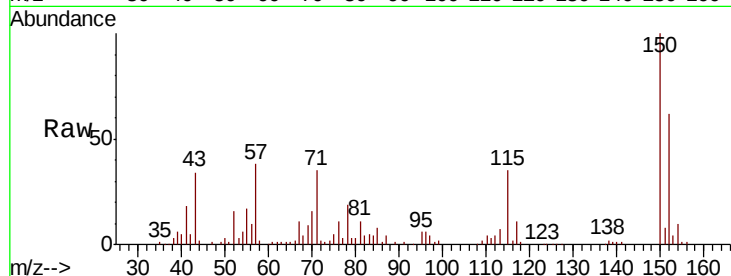
152 100

150 160.6 125.4 188.0

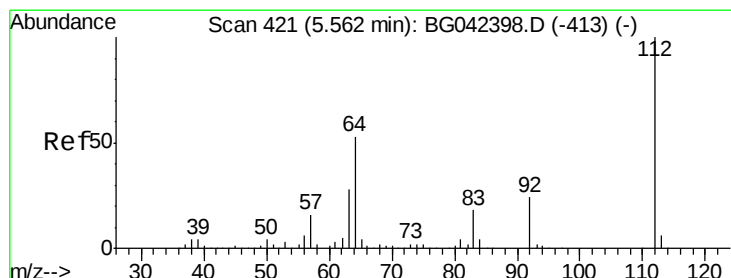
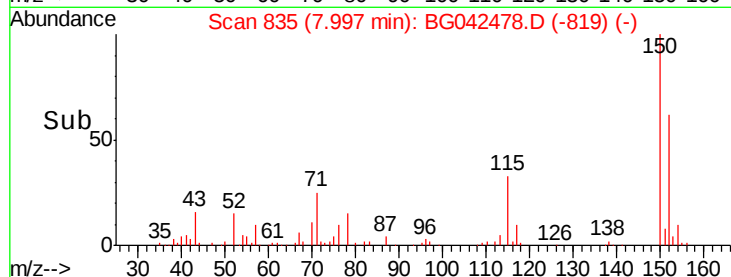
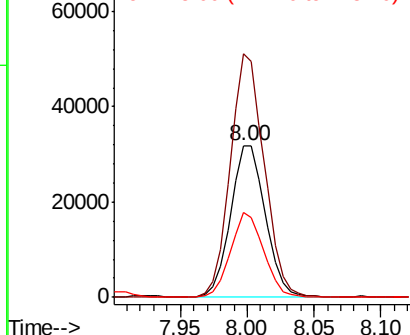
115 56.2 38.5 57.7

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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: 138.444 ng

RT: 5.56 min Scan# 420

Delta R.T. -0.00 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

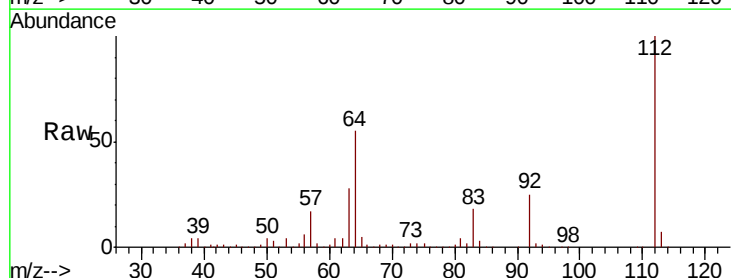
Tgt Ion:112 Resp: 394389

Ion Ratio Lower Upper

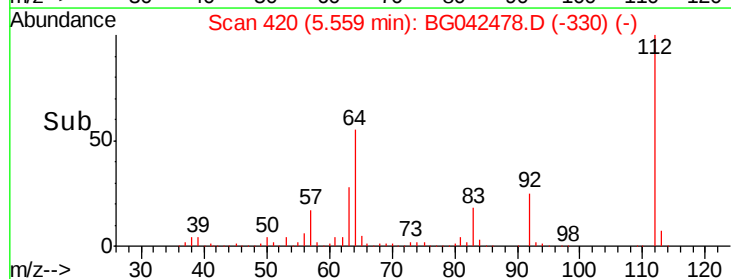
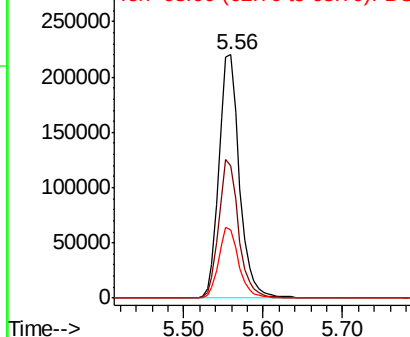
112 100

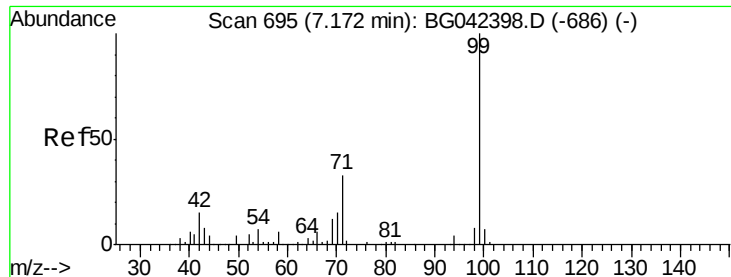
64 54.5 42.8 64.2

63 28.0 22.7 34.1



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: 138.814 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

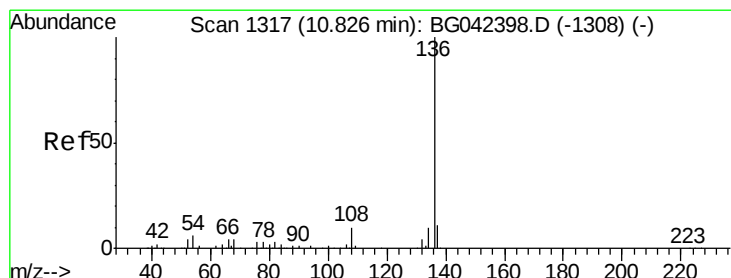
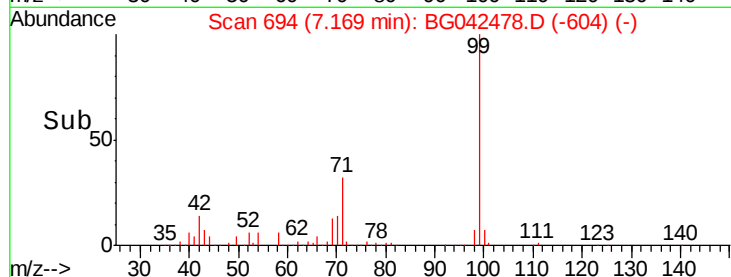
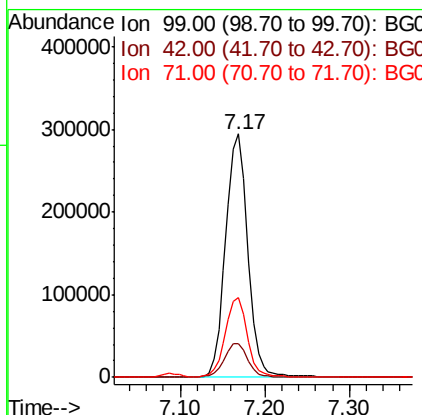
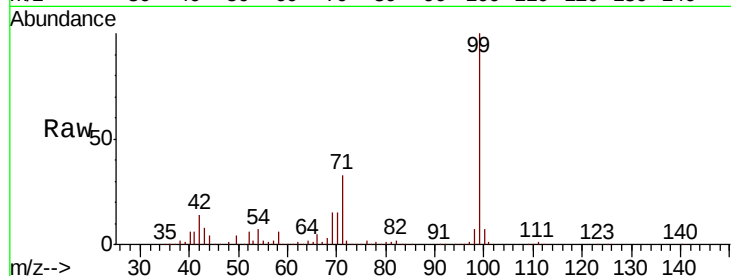
ClientSampleId :

B-2

Tot Ion:	99	Resp:	534154
Ion	Ratio	Lower	Upper
99	100		
42	14.0	12.0	18.0
71	33.0	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.000 ng

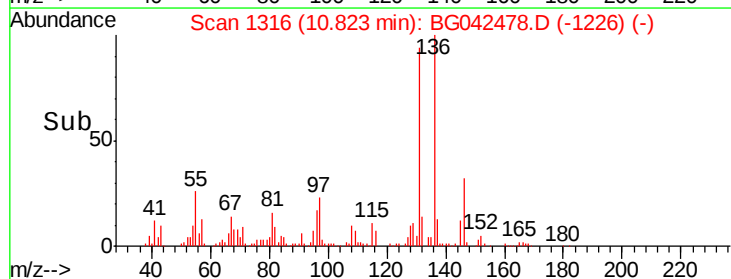
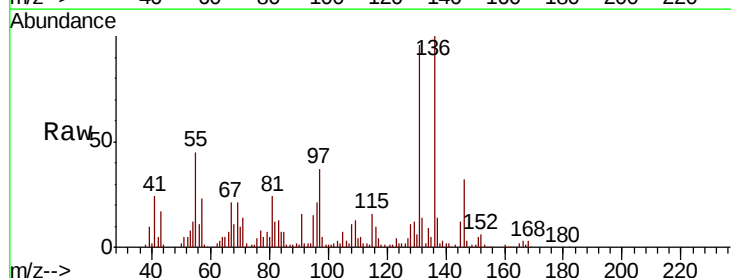
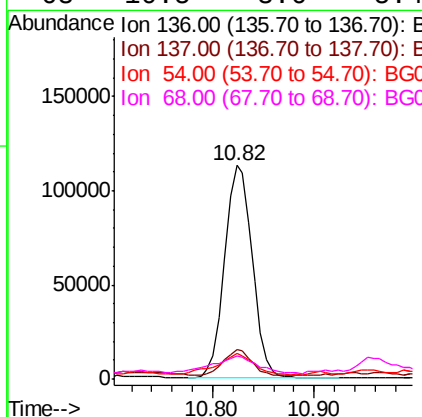
RT: 10.82 min Scan# 1316

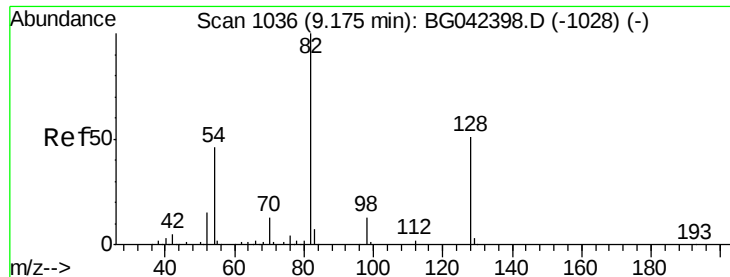
Delta R.T. -0.00 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Tgt Ion:	136	Resp:	214554
Ion	Ratio	Lower	Upper
136	100		
137	13.8	8.7	13.1#
54	11.9	4.9	7.3#
68	10.5	3.6	5.4#





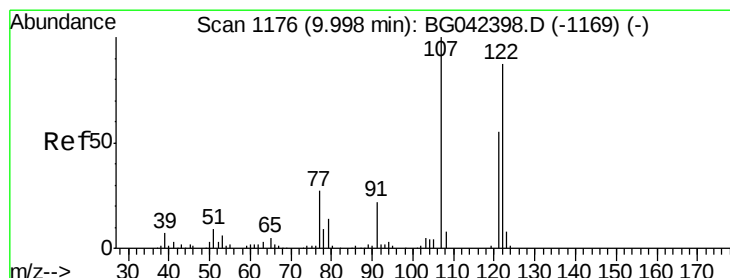
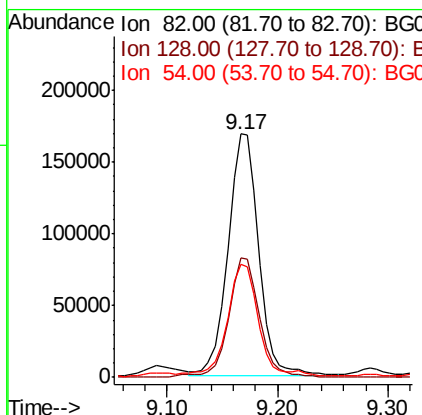
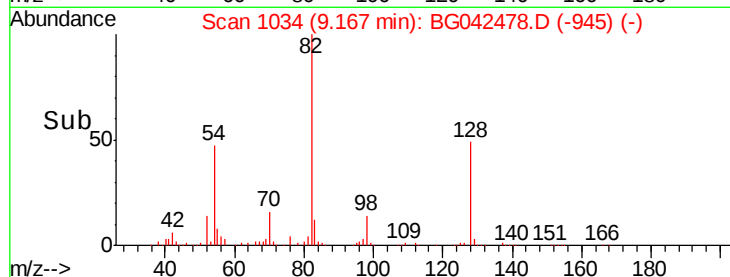
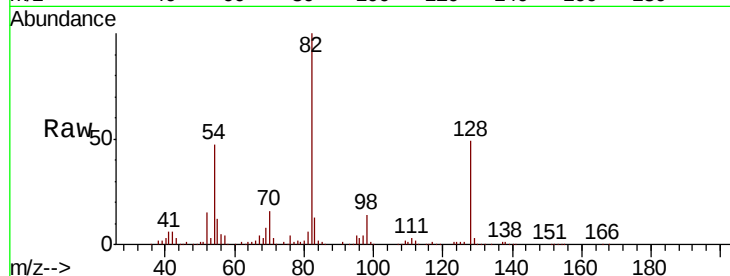
#23
 Nitrobenzene-d5
 Concen: 105.961 ng
 RT: 9.17 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BG042478.D
 Acq: 25 Aug 2019 15:09

Instrument :
 BNA_G
 ClientSampled :
 B-2

Tot Ion	82	Resp	328988
Ion	Ratio	Lower	Upper
82	100		
128	48.9	40.7	61.1
54	46.7	36.3	54.5

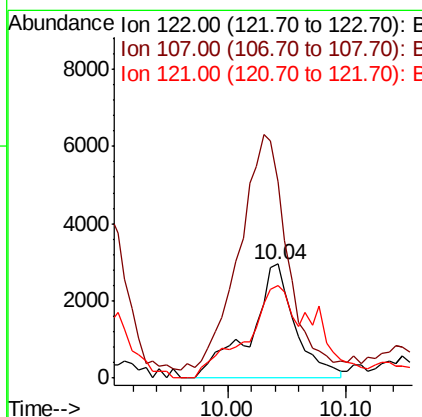
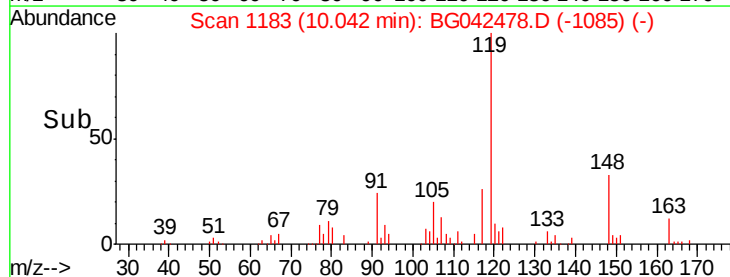
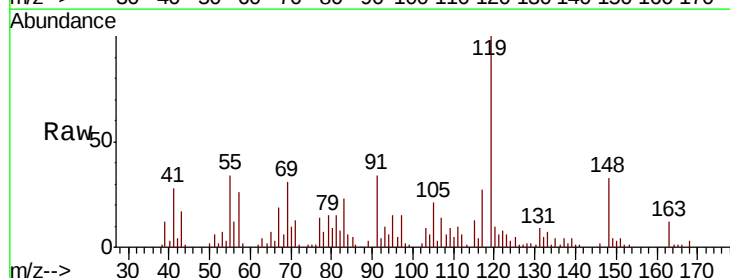
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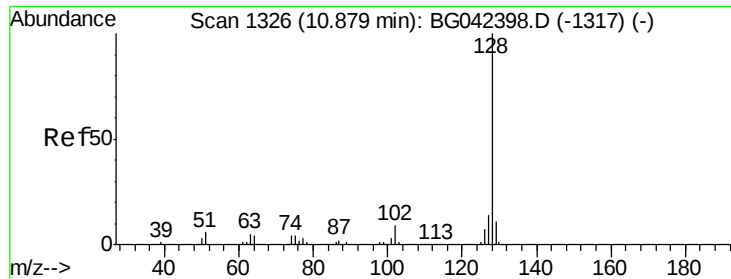
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#27
 2,4-Dimethylphenol
 Concen: 2.856 ng m
 RT: 10.04 min Scan# 1183
 Delta R.T. 0.04 min
 Lab File: BG042478.D
 Acq: 25 Aug 2019 15:09

Tgt Ion	122	Resp	7750
Ion	Ratio	Lower	Upper
122	100		
107	172.5	90.8	136.2#
121	81.5	49.6	74.4#





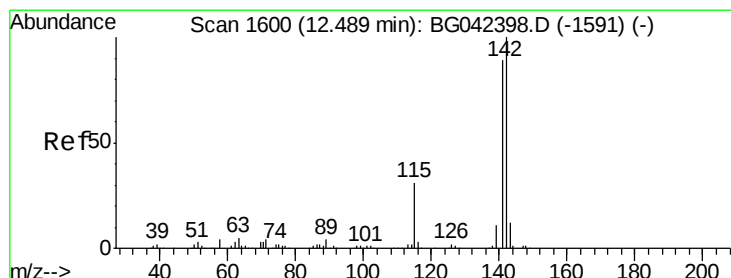
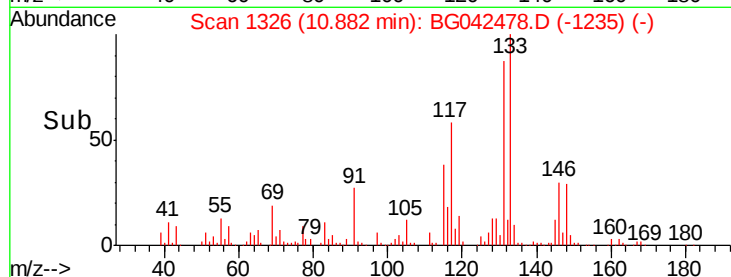
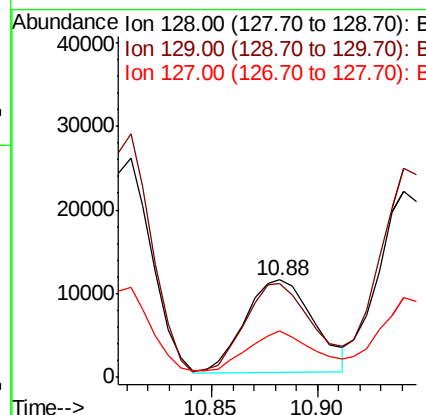
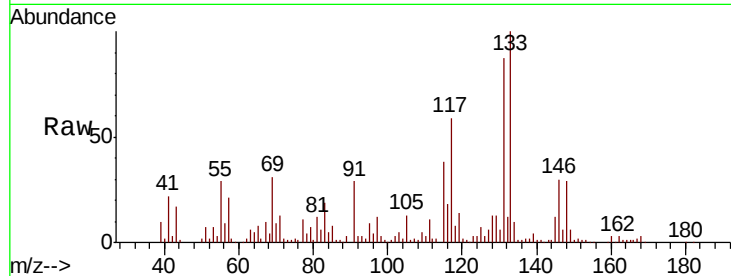
#31
Naphthalene
Concen: 2.494 ng
RT: 10.88 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BG042478.D
Acq: 25 Aug 2019 15:09

Instrument :
BNA_G
ClientSampled :
B-2

Tot Ion	Ratio	Lower	Upper
128	100		
129	96.7	8.8	13.2#
127	47.8	11.4	17.0#

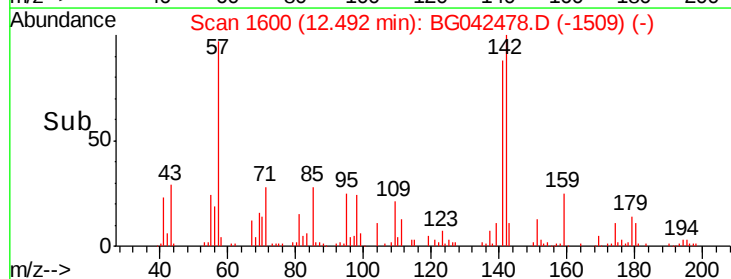
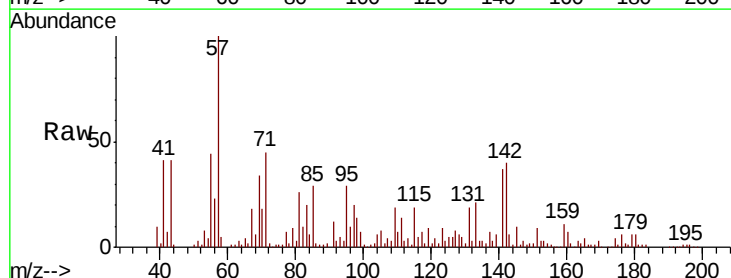
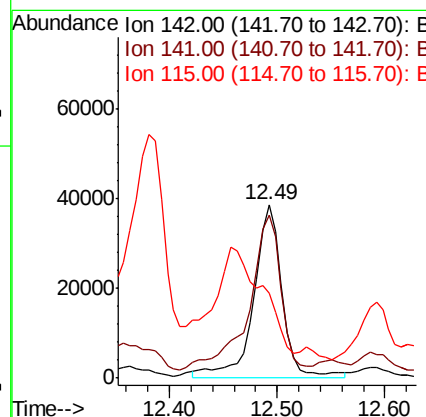
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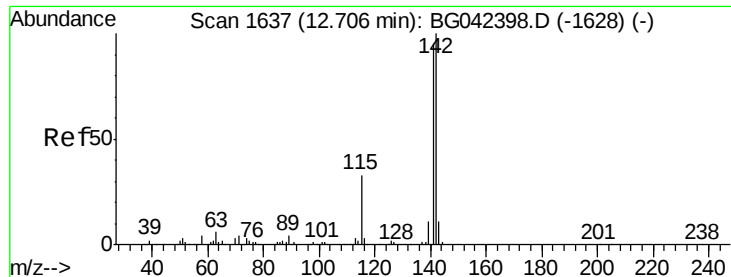
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#37
2-Methylnaphthalene
Concen: 9.076 ng m
RT: 12.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BG042478.D
Acq: 25 Aug 2019 15:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.1	71.4	107.2
115	48.8	25.2	37.8#





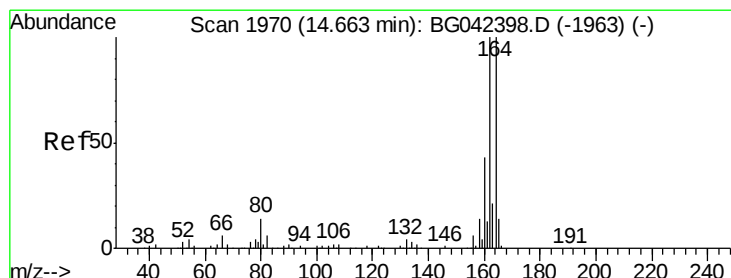
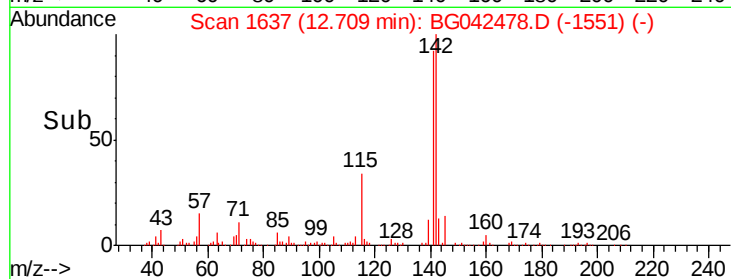
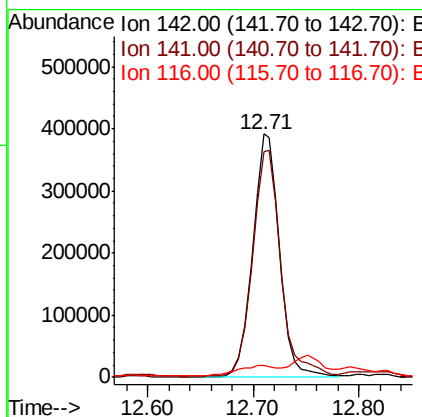
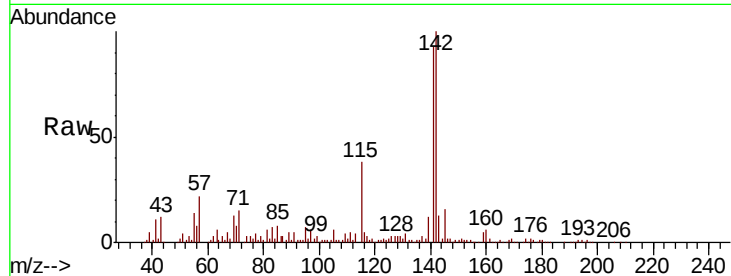
#38
1-Methylnaphthalene
Concen: 90.944 ng
RT: 12.71 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BG042478.D
Acq: 25 Aug 2019 15:09

Instrument :
BNA_G
ClientSampled :
B-2

Tot Ion	Ratio	Resp	Lower	Upper
142	100	690939		
141	92.7	76.2	114.2	
116	4.9	2.8	4.2#	

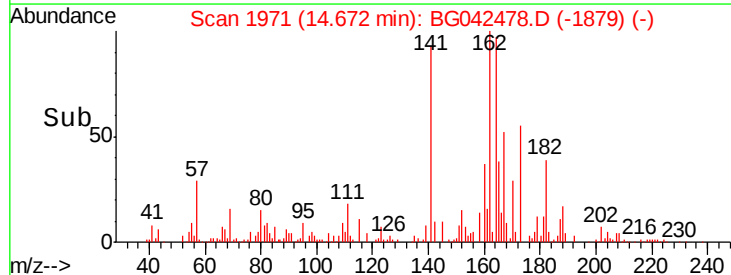
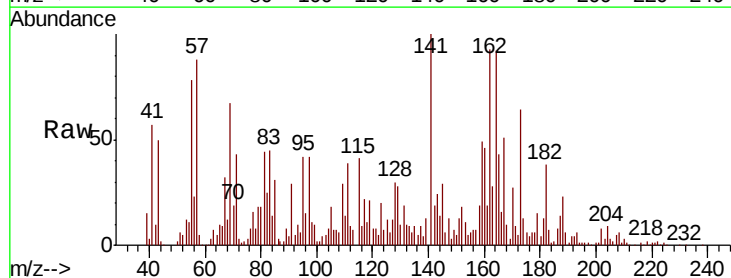
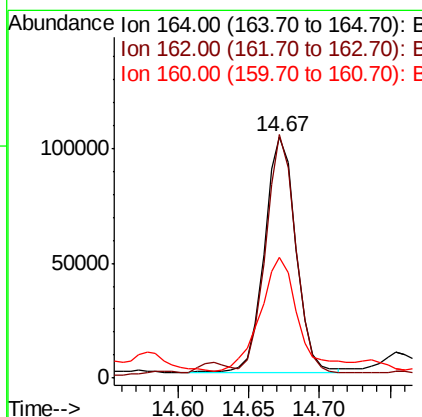
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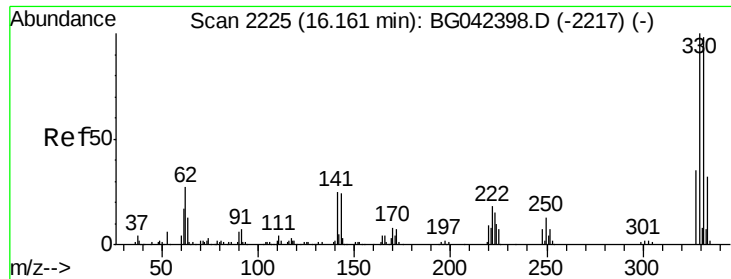
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BG042478.D
Acq: 25 Aug 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160939		
162	100.9	79.9	119.9	
160	50.3	34.3	51.5	





#42

2,4,6-Tribromophenol

Concen: 127.338 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

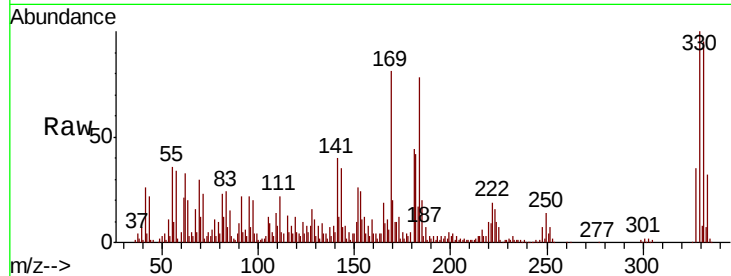
ClientSampled :

B-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	291283		
332	96.8	77.4	116.0	
141	33.6	21.4	32.0	

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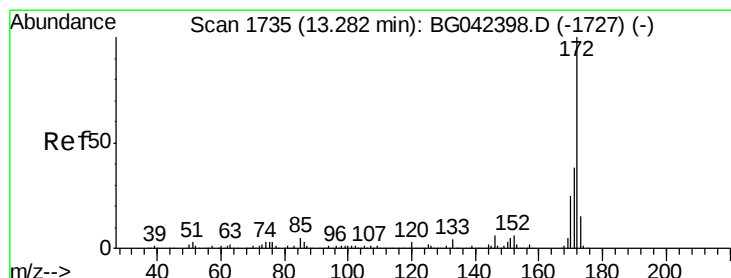
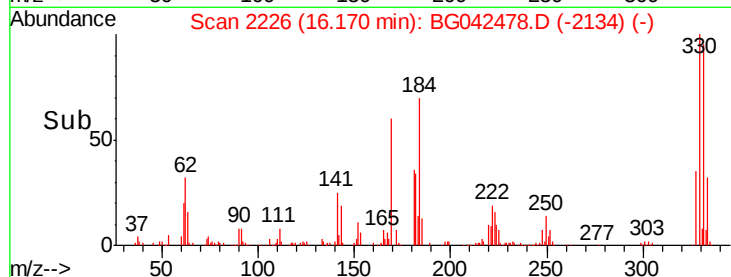
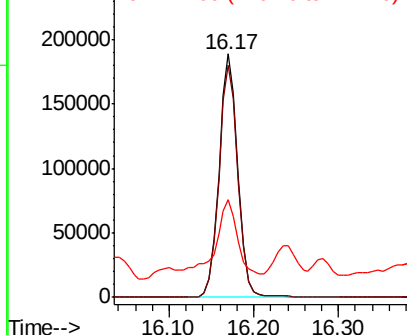


Abundance

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: 94.975 ng

RT: 13.29 min Scan# 1735

Delta R.T. 0.00 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

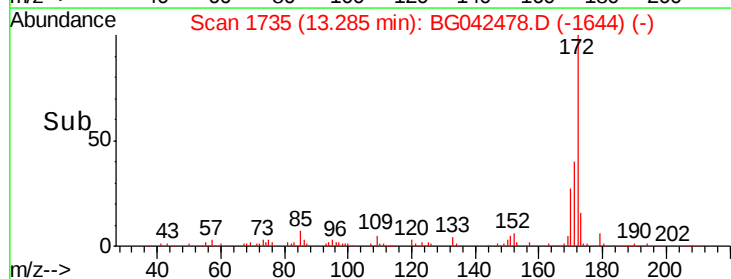
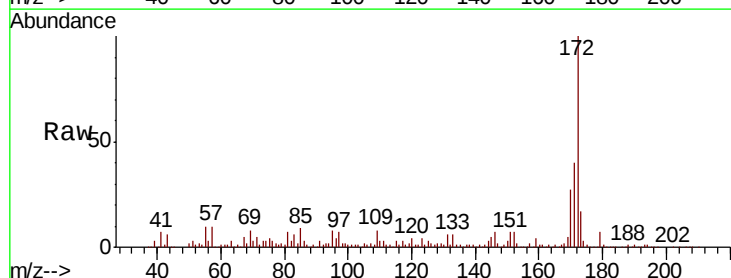
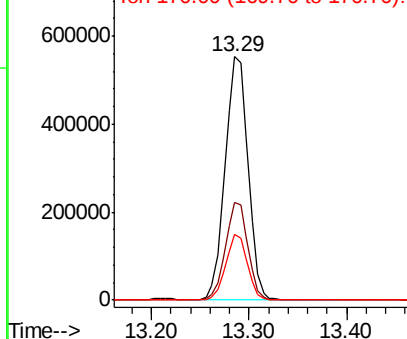
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	903763		
171	39.9	30.5	45.7	
170	26.8	20.2	30.2	

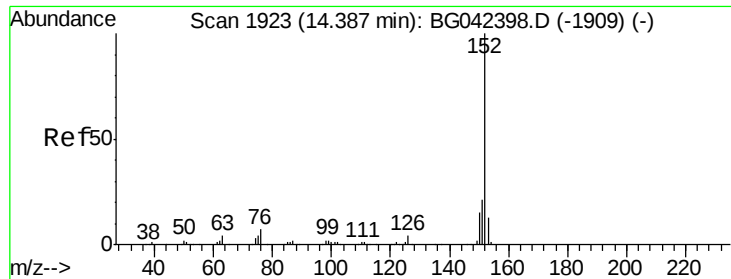
Abundance

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: 3.609 ng

RT: 14.40 min Scan# 1925

Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

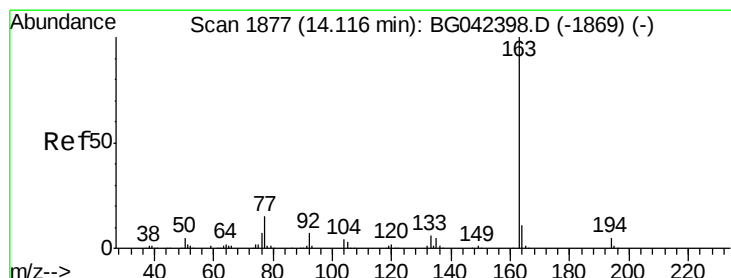
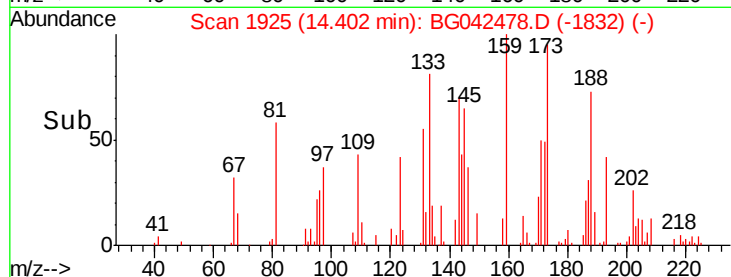
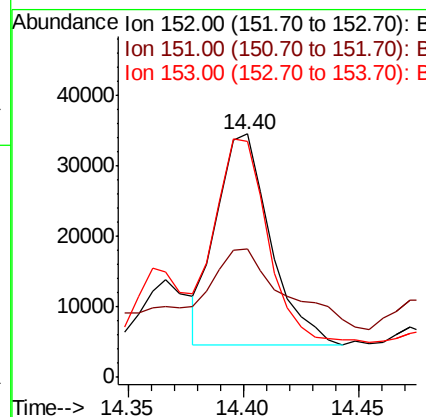
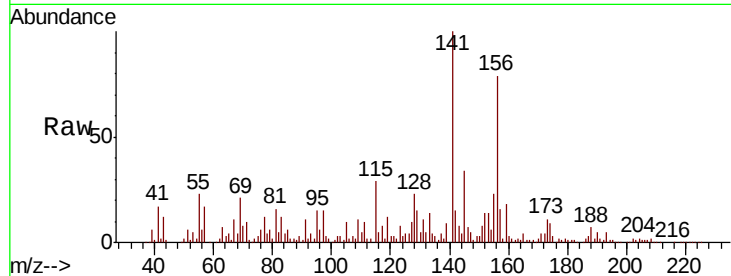
ClientSampled :

B-2

Tot Ion:	152	Resp:	48709
Ion Ratio	Lower	Upper	
152	100		
151	52.8	17.0	25.4#
153	96.7	10.6	16.0#

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#50

Dimethylphthalate

Concen: 14.641 ng

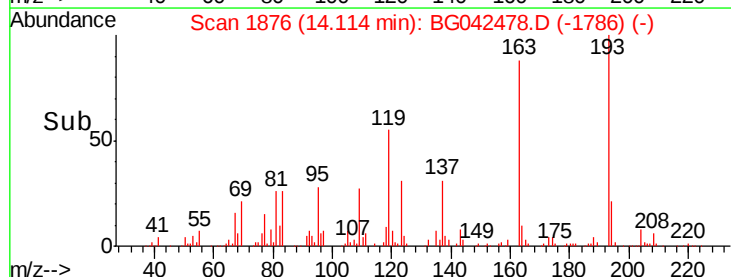
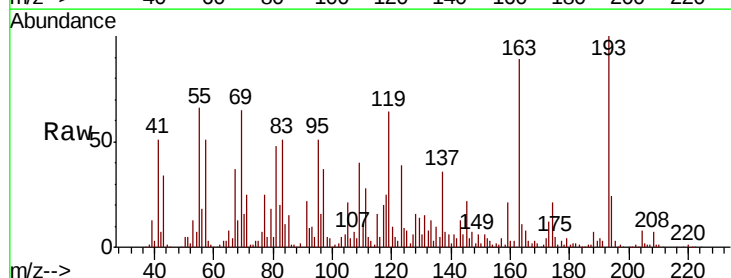
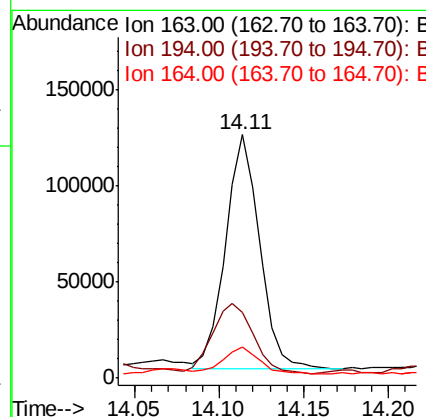
RT: 14.11 min Scan# 1876

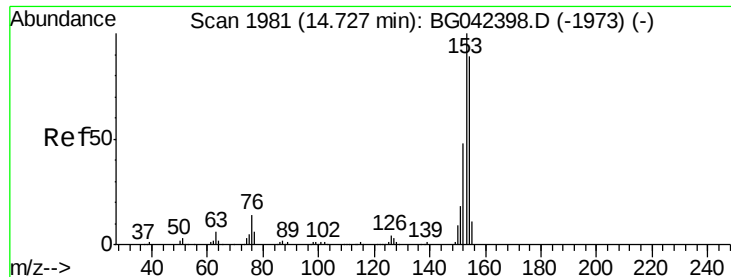
Delta R.T. -0.00 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Tgt Ion:	163	Resp:	170022
Ion Ratio	Lower	Upper	
163	100		
194	27.0	4.2	6.2#
164	12.6	8.8	13.2





#52

Acenaphthene

Concen: 13.833 ng

RT: 14.74 min Scan# 1982

Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

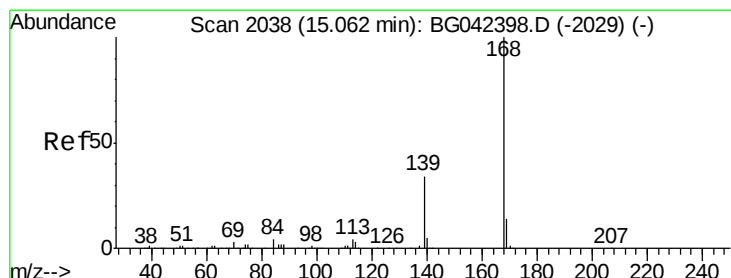
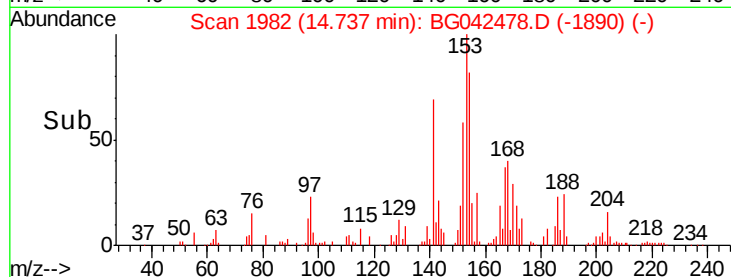
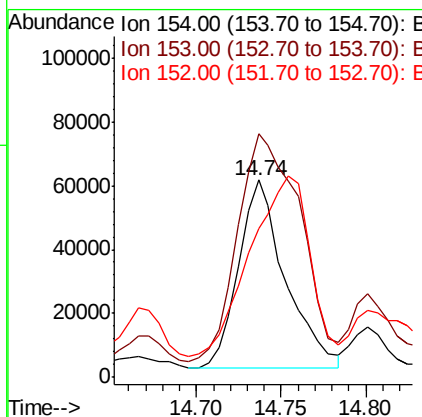
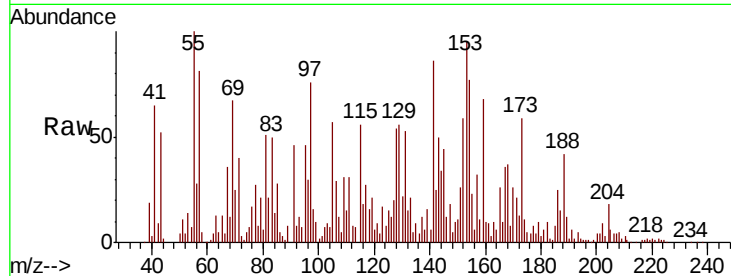
ClientSampled :

B-2

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	123.4	90.2	135.4	
152	75.7	43.2	64.8	

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#55

Dibenzofuran

Concen: 12.098 ng

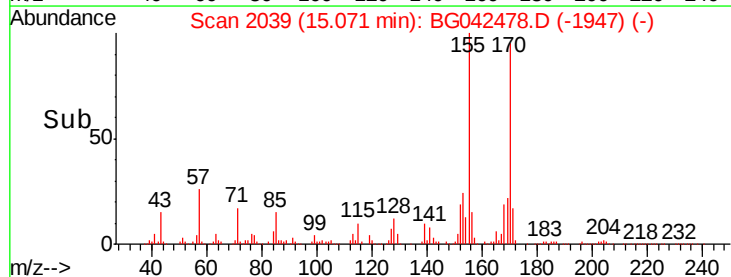
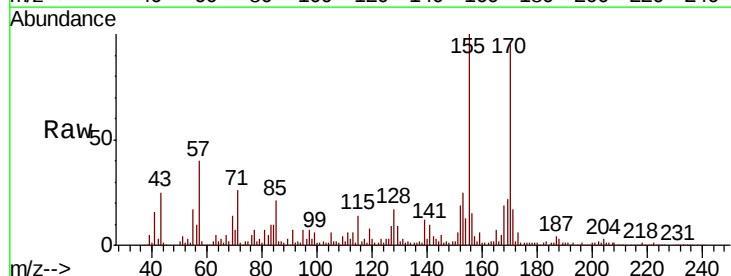
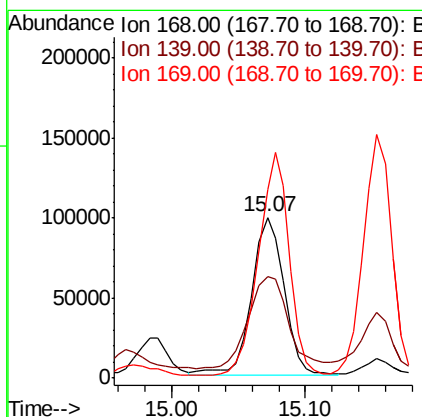
RT: 15.07 min Scan# 2039

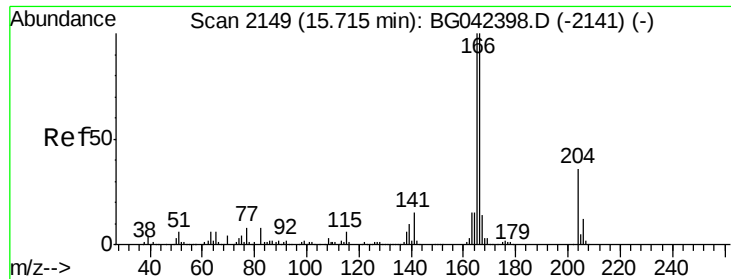
Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Tgt Ion	Ratio	Resp	Lower	Upper
168	100			
139	63.5	27.2	40.8	
169	117.5	11.5	17.3	





#58

Fluorene

Concen: 33.370 ng

RT: 15.72 min Scan# 2150

Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

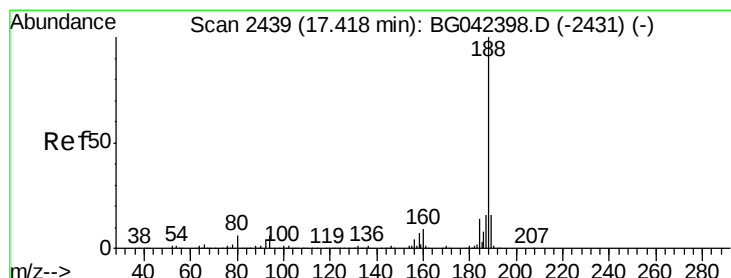
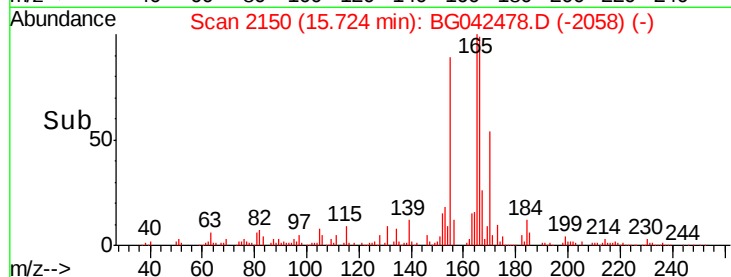
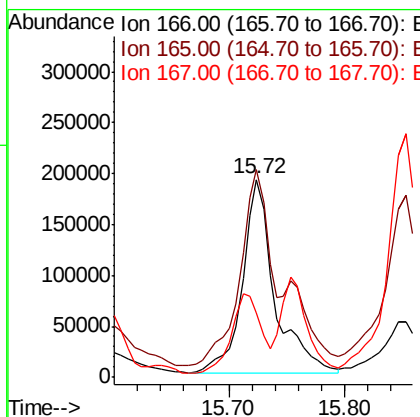
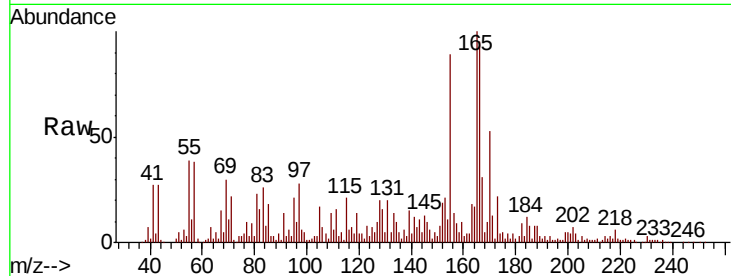
ClientSampled :

B-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	104.8	79.7	119.5		
167	32.4	10.9	16.3#		

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#64

Phenanthrene-d10

Concen: 20.000 ng

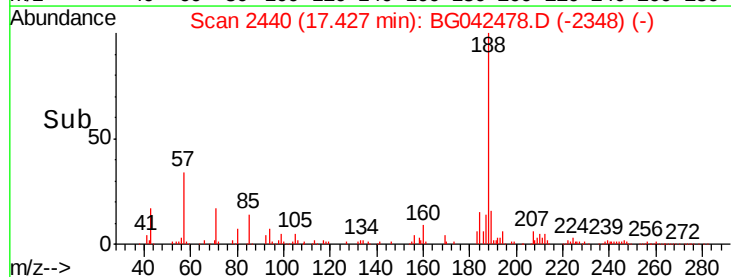
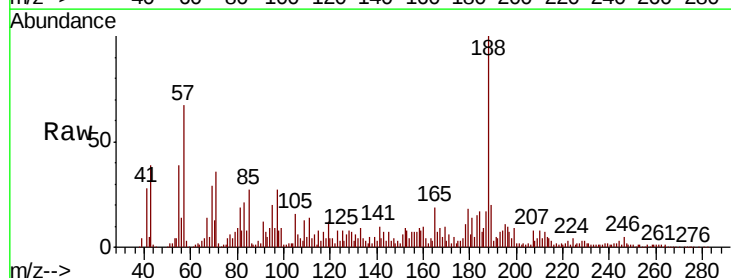
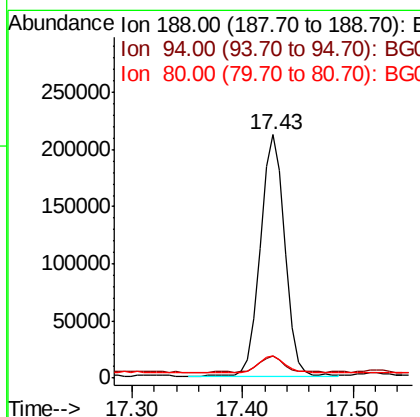
RT: 17.43 min Scan# 2440

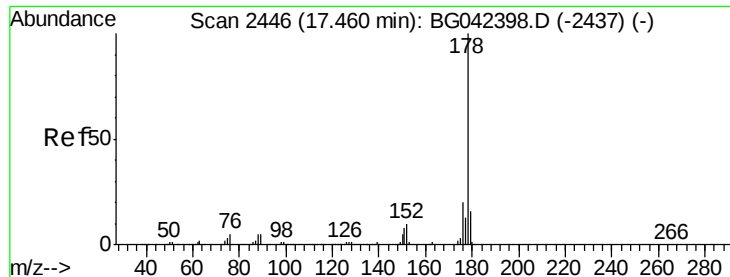
Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.2	4.5	6.7#		
80	8.9	4.9	7.3#		





#71

Phenanthrene

Concen: 56.184 ng

RT: 17.47 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

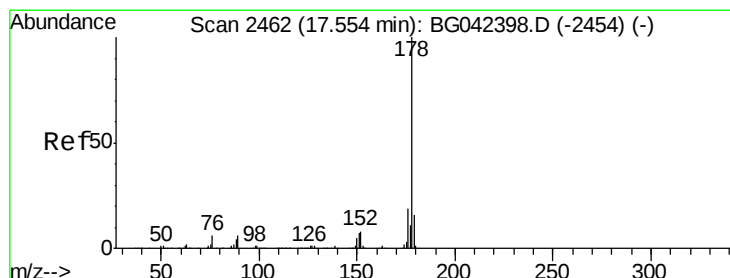
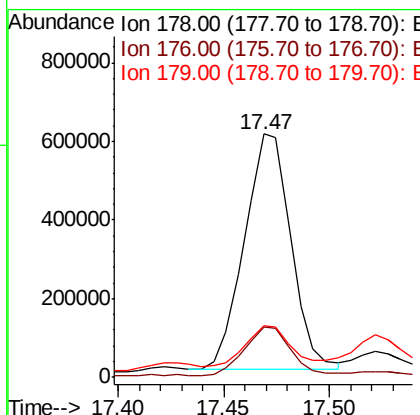
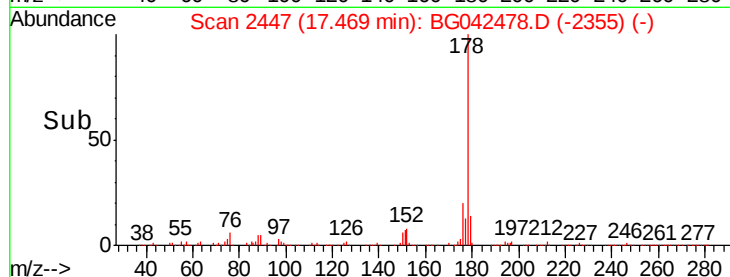
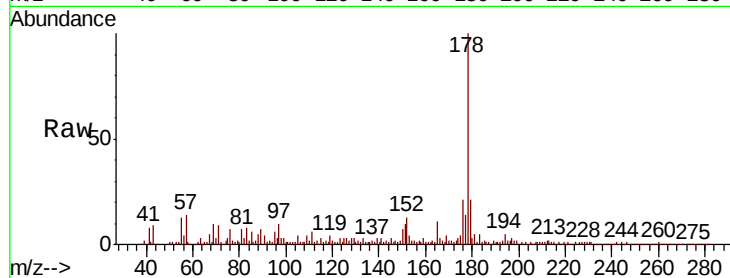
ClientSampleId :

B-2

Tot Ion:178	Resp:	914974
Ion Ratio	Lower	Upper
178	100	
176	20.8	15.9 23.9
179	21.3	12.7 19.1#

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#72

Anthracene

Concen: 4.573 ng m

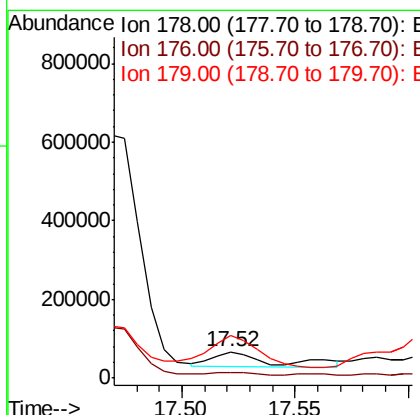
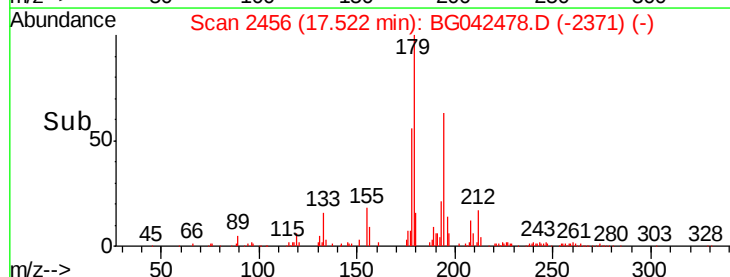
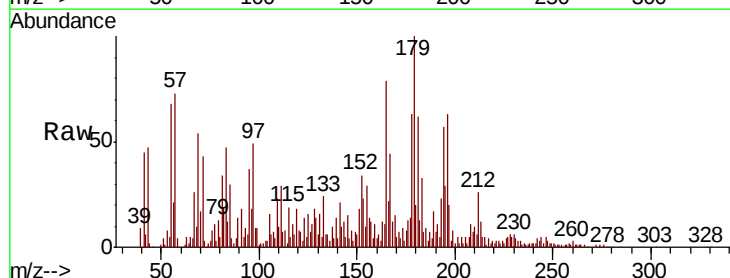
RT: 17.52 min Scan# 2456

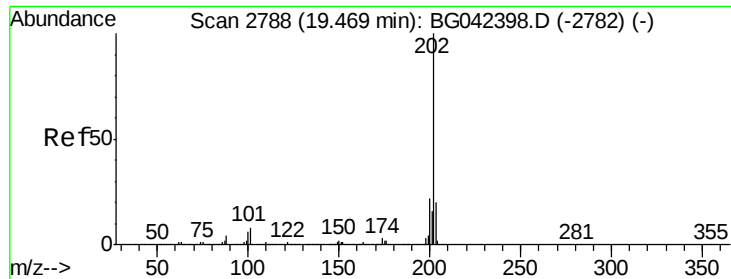
Delta R.T. -0.03 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Tgt Ion:178	Resp:	74352
Ion Ratio	Lower	Upper
178	100	
176	20.6	15.5 23.3
179	159.8	12.9 19.3#





#75

Fluoranthene

Concen: 2.932 ng

RT: 19.48 min Scan# 2789

Delta R.T. 0.01 min

Lab File: BG042478.D

Acq: 25 Aug 2019 15:09

Instrument :

BNA_G

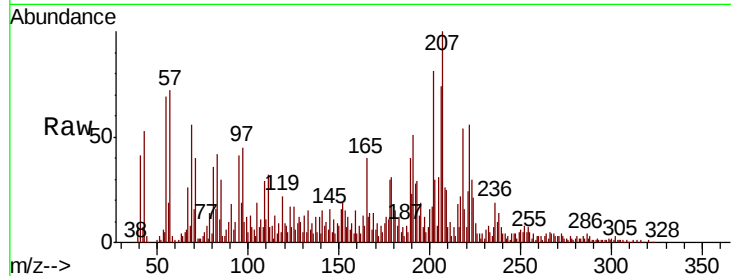
ClientSampled :

B-2

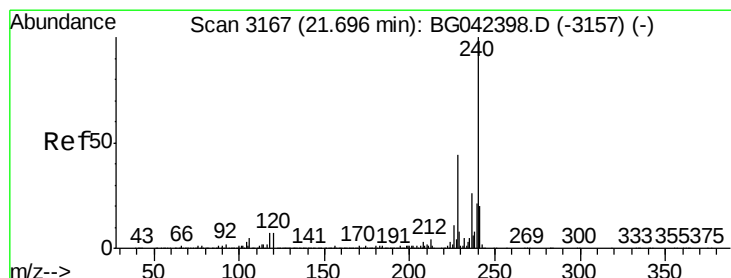
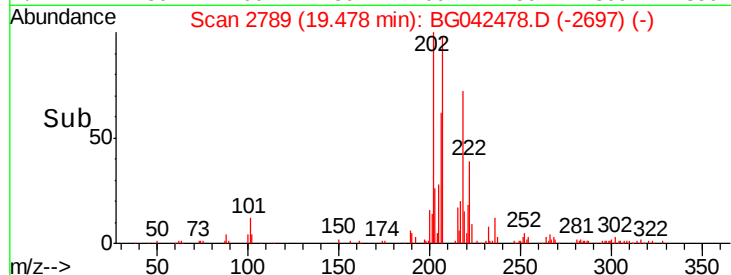
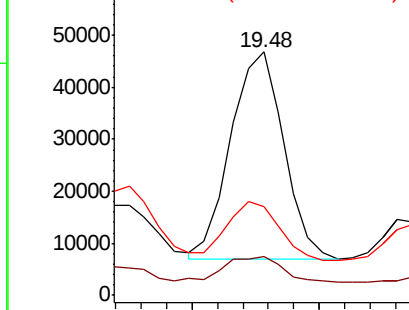
Tot Ion:	202	Resp:	58266
Ion Ratio	Lower	Upper	
202	100		
101	15.9	0.0	28.3
203	36.6	0.0	39.6

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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

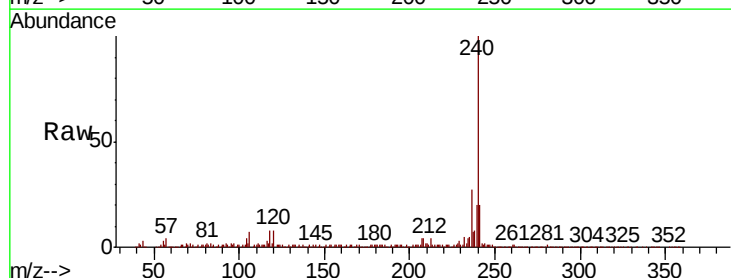
RT: 21.69 min Scan# 3165

Delta R.T. -0.01 min

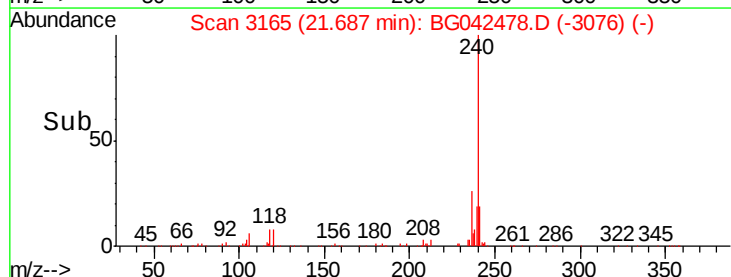
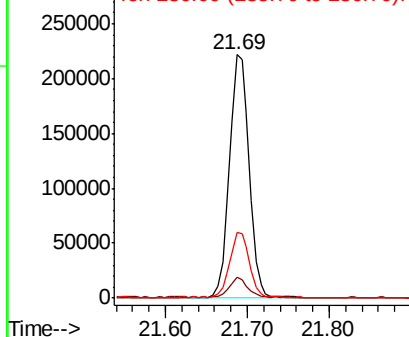
Lab File: BG042478.D

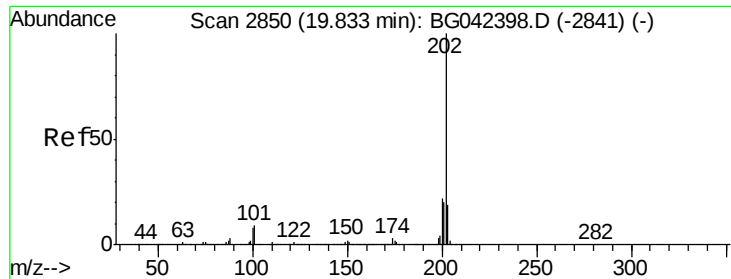
Acq: 25 Aug 2019 15:09

Tgt Ion:	240	Resp:	368718
Ion Ratio	Lower	Upper	
240	100		
120	8.4	5.7	8.5
236	26.7	21.0	31.4



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





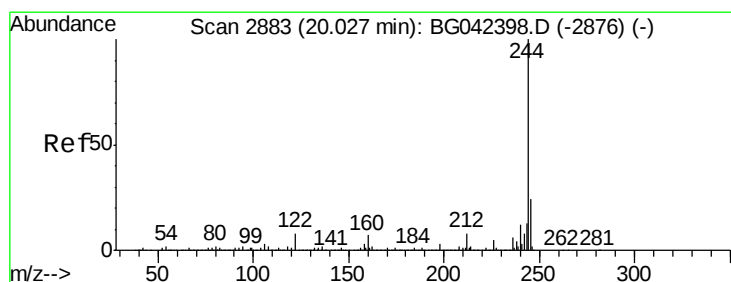
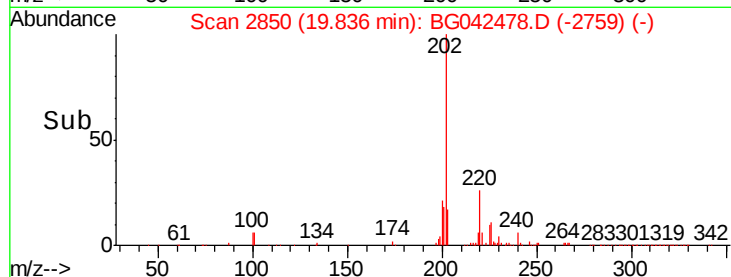
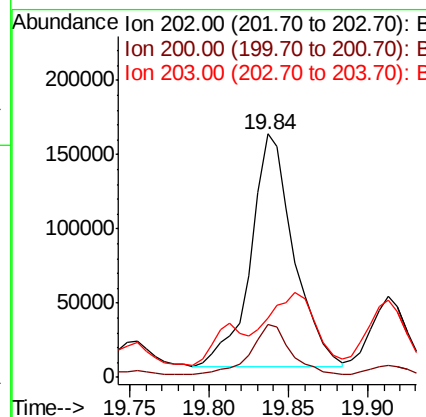
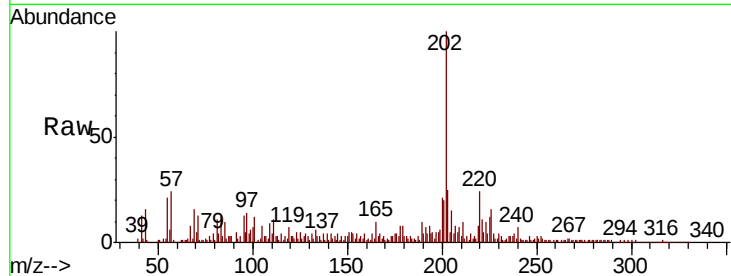
#78
Pvrene
Concen: 13.012 ng
RT: 19.84 min Scan# 2850
Delta R.T. 0.00 min
Lab File: BG042478.D
Acq: 25 Aug 2019 15:09

Instrument :
BNA_G
ClientSampleId :
B-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.5	17.8	26.6		
203	24.6	15.5	23.3		

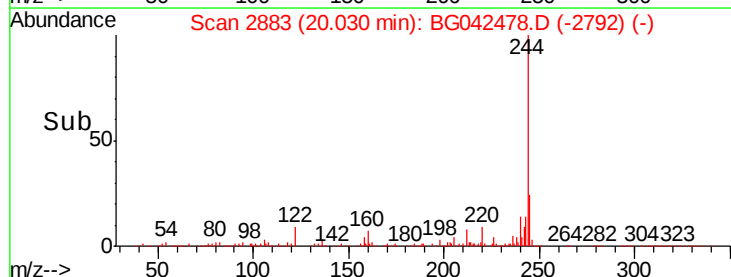
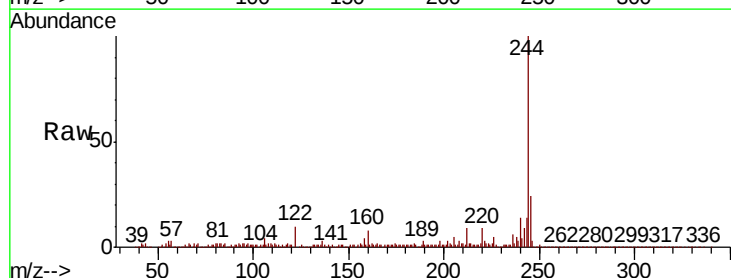
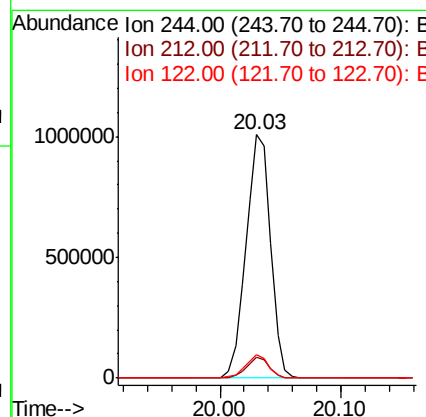
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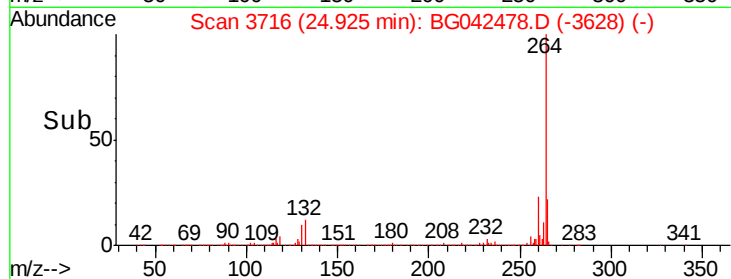
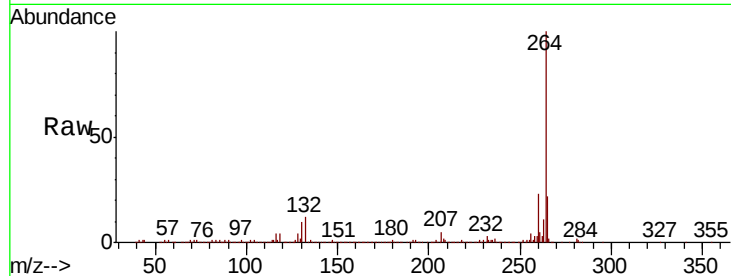
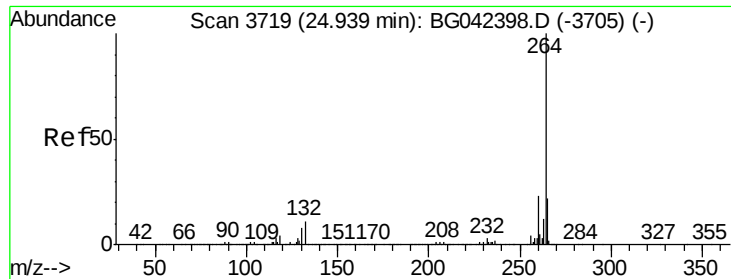
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#79
Terphenyl-d14
Concen: 83.595 ng
RT: 20.03 min Scan# 2883
Delta R.T. 0.00 min
Lab File: BG042478.D
Acq: 25 Aug 2019 15:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	8.5	6.0	9.0		
122	9.6	6.7	10.1		





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.92 min Scan# 3716
Delta R.T. -0.01 min
Lab File: BG042478.D
Acq: 25 Aug 2019 15:09

Instrument :
BNA_G
ClientSampleId :
B-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.2	17.6	26.4

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