

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042374.D
 Acq On : 21 Aug 2019 1:43
 Operator : HP/JU
 Sample : K4404-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T1-L-(0-2.5)

Manual Integrations
 APPROVED

mohammad
 8/22/2019 12:49:34 PM

Quant Time: Aug 21 05:54:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 13:40:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	68618	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	268545	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	183397	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	356206	20.00	ng	0.00
76) Chrysene-d12	21.70	240	359477	20.00	ng	0.00
87) Perylene-d12	24.95	264	434229	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	358003	105.71	ng	0.01
7) Phenol-d6	7.18	99	485781	105.61	ng	0.02
23) Nitrobenzene-d5	9.18	82	274448	71.88	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	257597	103.13	ng	0.01
45) 2-Fluorobiphenyl	13.29	172	724661	66.86	ng	0.00
79) Terphenyl-d14	20.03	244	959102	58.44	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.21	94	12287	2.628	ng	78
50) Dimethylphthalate	14.12	163	90098	6.914	ng	97
71) Phenanthrene	17.46	178	213561	12.038	ng	99
72) Anthracene	17.55	178	38969	2.202	ng	97
75) Fluoranthene	19.47	202	281672	13.167	ng	96
78) Pyrene	19.84	202	259610	11.737	ng	97
81) Benzo(a)anthracene	21.68	228	131770	5.969	ng	99
83) Chrysene	21.74	228	121539	5.755	ng	96
86) Indeno(1,2,3-cd)pyrene	28.66	276	65093	2.309	ng	# 90
88) Benzo(b)fluoranthene	23.92	252	146303	6.130	ng	# 95
89) Benzo(k)fluoranthene	23.98	252	56039m	2.402	ng	
90) Benzo(a)pyrene	24.79	252	110755	4.843	ng	# 89
92) Benzo(a,h,i)perylene	29.81	276	62611	2.754	ng	95

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

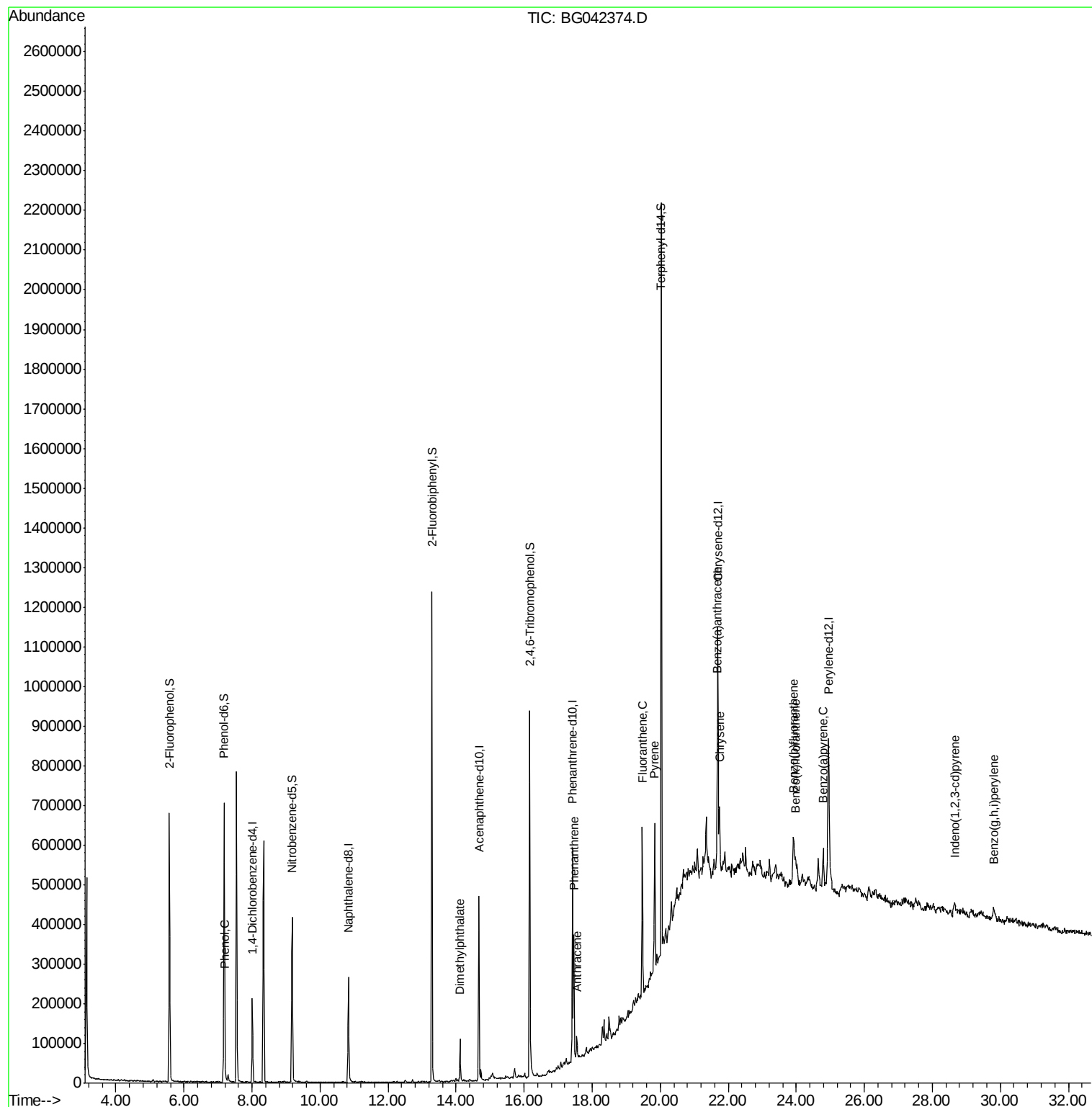
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042374.D
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ALS Vial : 14 Sample Multiplier: 1

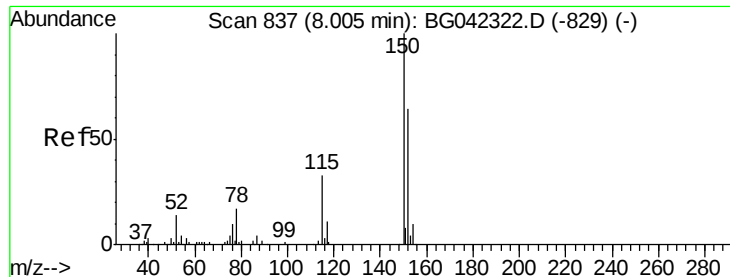
Instrument :
BNA_G
ClientSampleId :
T1-L-(0-2.5)

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Quant Time: Aug 21 05:54:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

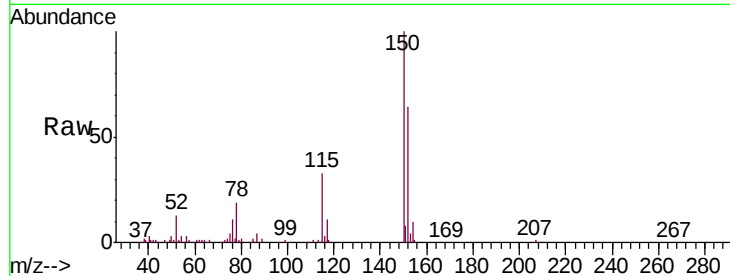
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Instrument :
BNA_G
ClientSampleId :
T1-L-(0-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.3	186.5
115	51.6	40.5	60.7

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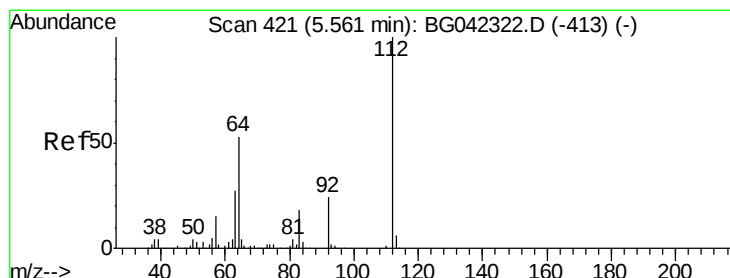
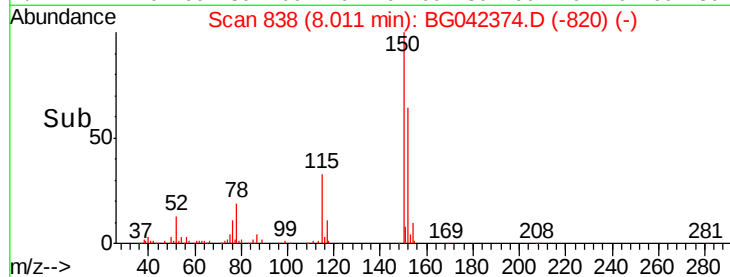
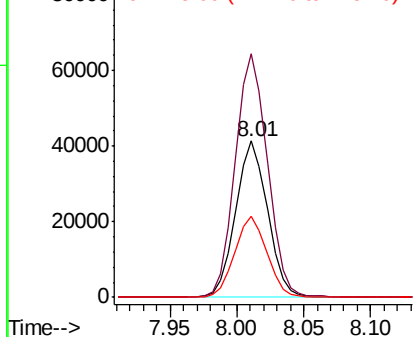


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

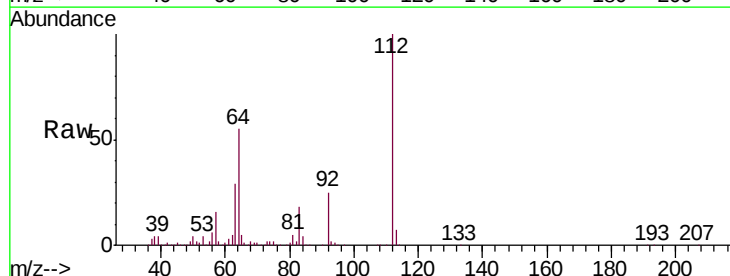
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 105.708 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	42.5	63.7
63	28.9	21.7	32.5

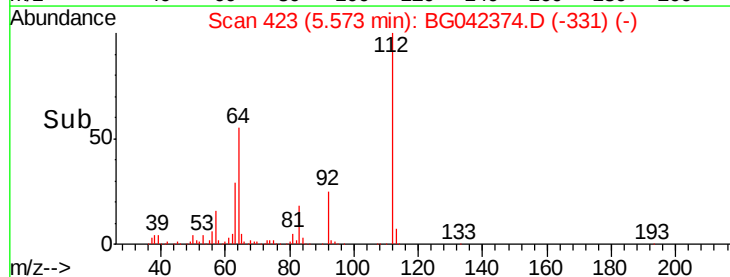
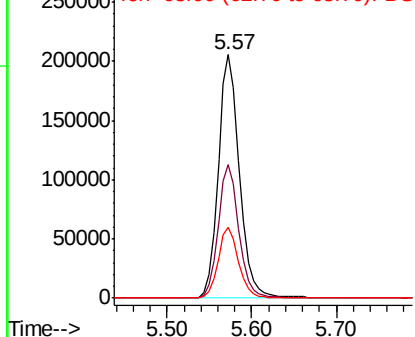


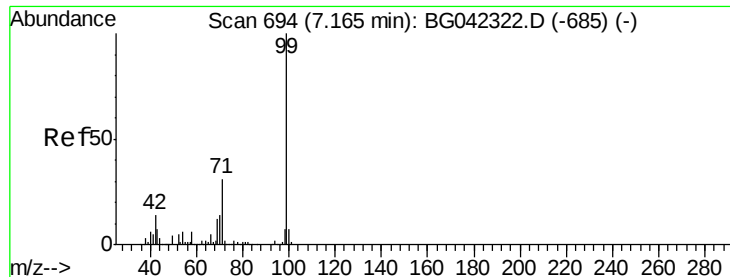
Abundance

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: 105.615 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

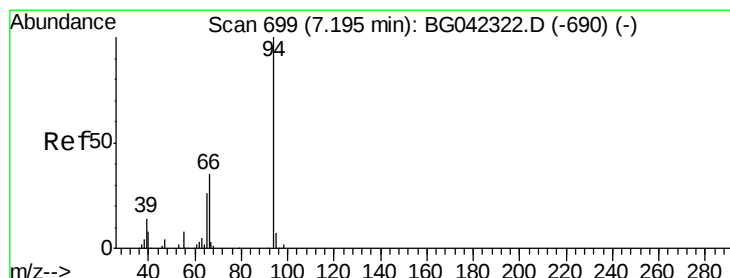
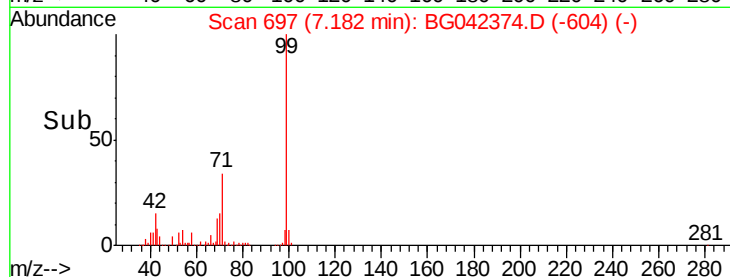
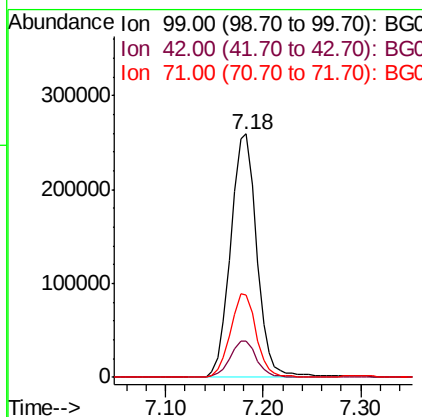
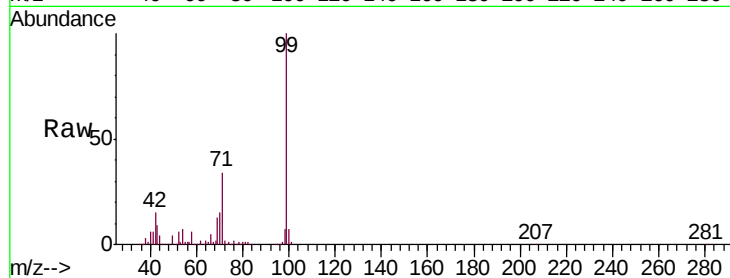
ClientSampleId :

T1-L-(0-2.5)

Tot Ion:	99	Resp:	485781
Ion Ratio	Lower	Upper	
99	100		
42	15.0	11.4	17.0
71	33.7	25.1	37.7

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#10

Phenol

Concen: 2.628 ng

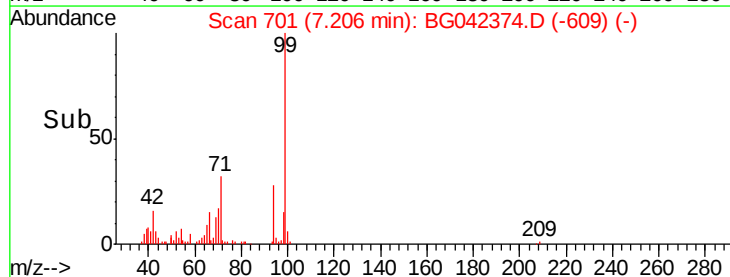
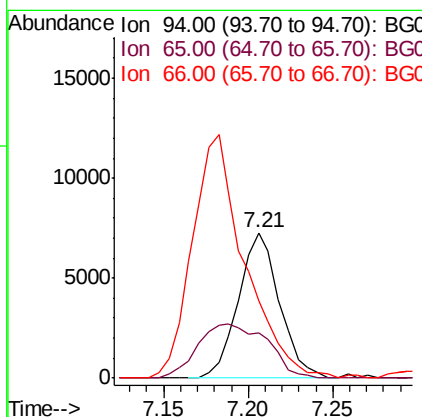
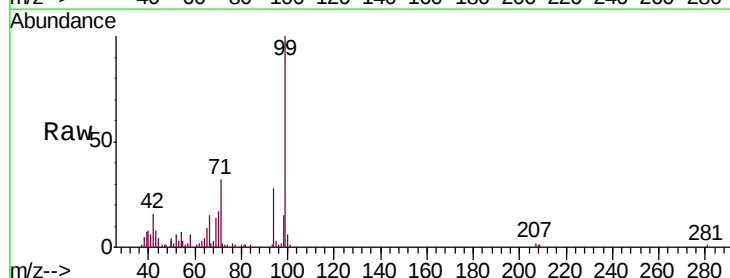
RT: 7.21 min Scan# 701

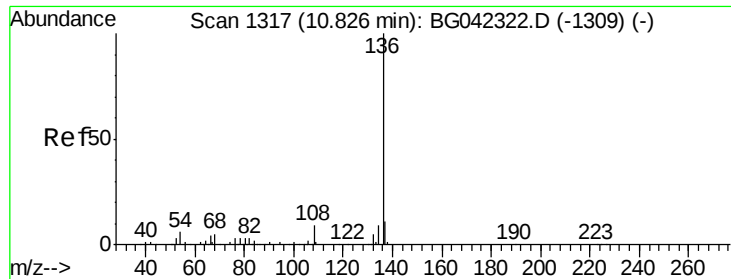
Delta R.T. 0.01 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Tgt Ion:	94	Resp:	12287
Ion Ratio	Lower	Upper	
94	100		
65	31.4	6.1	46.1
66	53.5	15.7	55.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1318

Delta R.T. 0.01 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

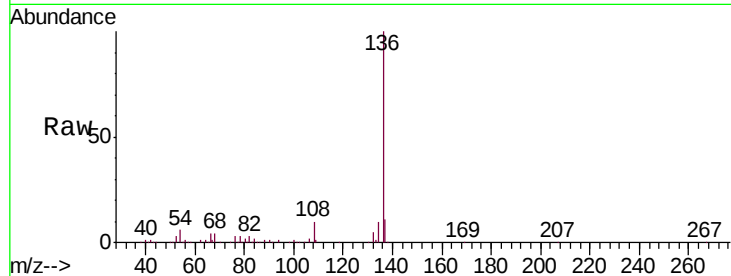
ClientSampleId :

T1-L-(0-2.5)

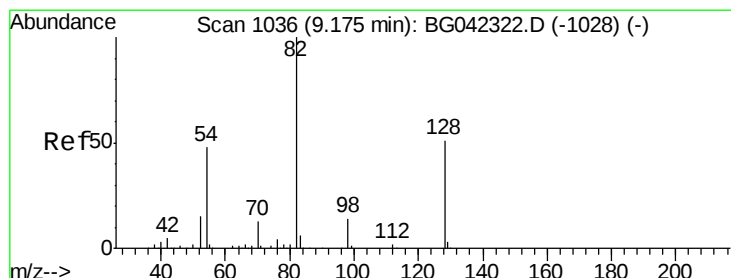
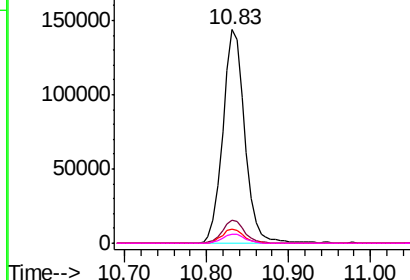
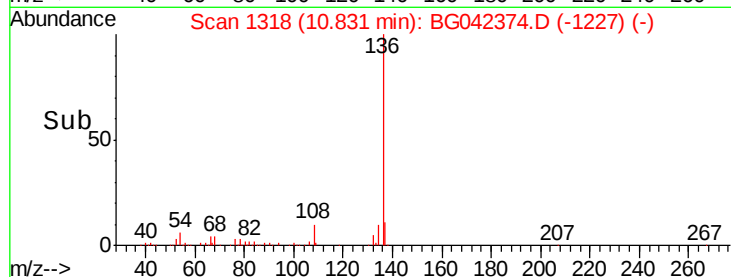
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		268545		
137	11.0	8.4	12.6		
54	6.4	5.0	7.4		
68	4.1	3.8	5.8		

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



#23

Nitrobenzene-d5

Concen: 71.879 ng

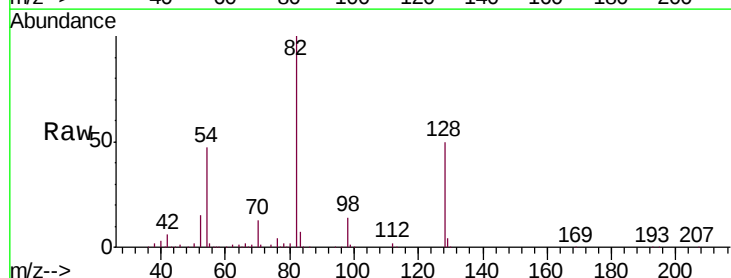
RT: 9.18 min Scan# 1037

Delta R.T. 0.01 min

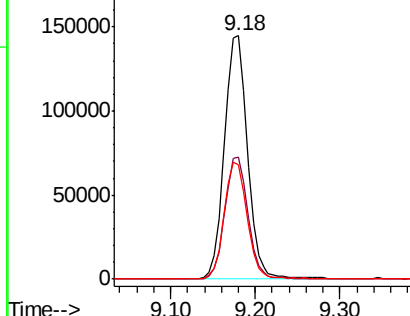
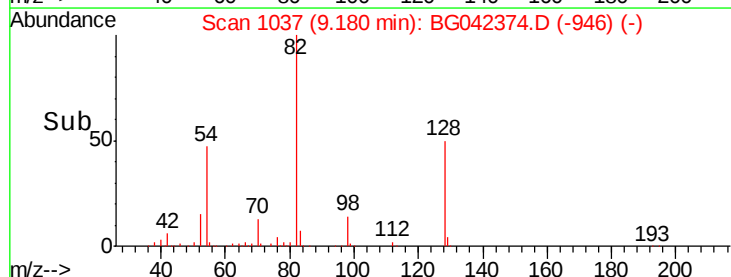
Lab File: BG042374.D

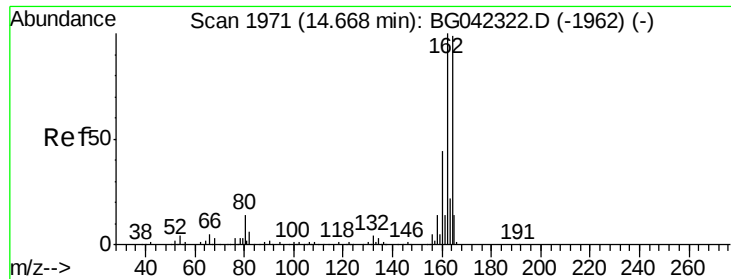
Acq: 21 Aug 2019 1:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		274448		
128	50.0	41.0	61.4		
54	46.8	38.0	57.0		



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

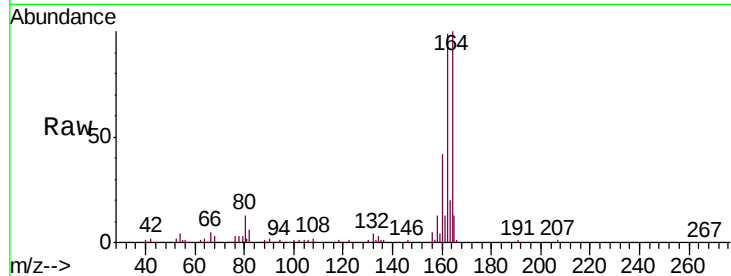
ClientSampleId :

T1-L-(0-2.5)

Tot Ion:	164	Resp:	183397
Ion Ratio	Lower	Upper	
164	100		
162	98.5	80.6	120.8
160	42.3	35.7	53.5

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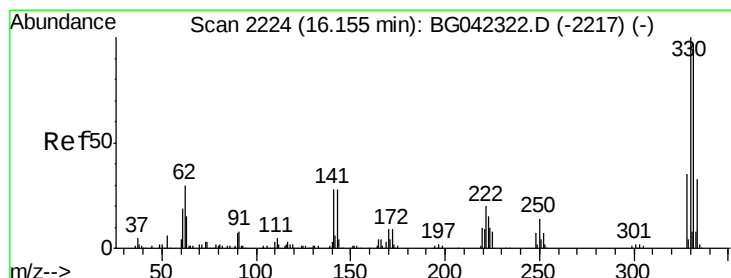
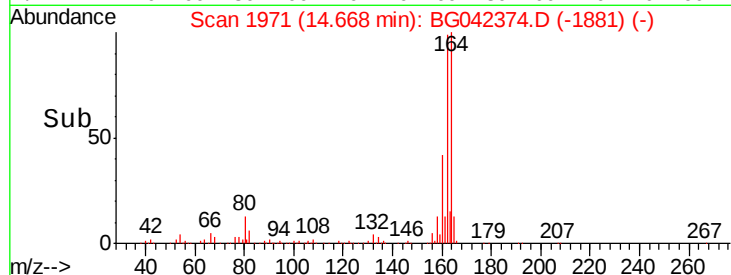
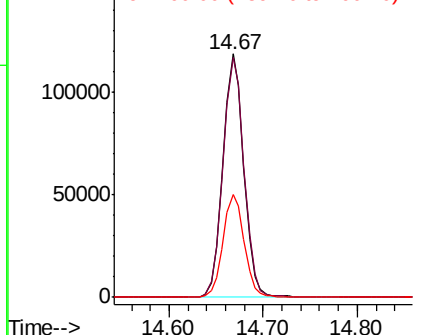


Abundance

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: 103.128 ng

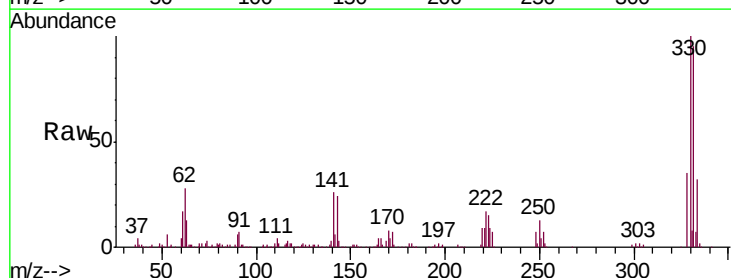
RT: 16.17 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Tgt Ion:	330	Resp:	257597
Ion Ratio	Lower	Upper	
330	100		
332	95.2	76.9	115.3
141	27.0	21.8	32.6

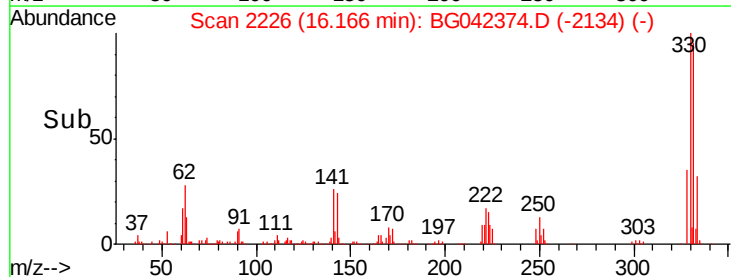
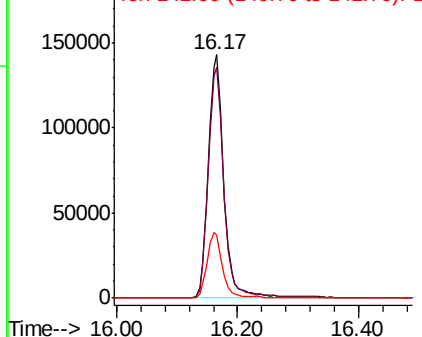


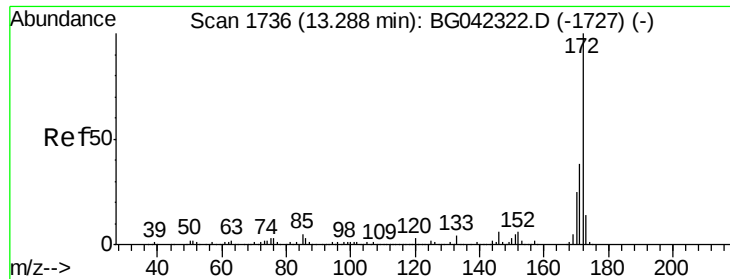
Abundance

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





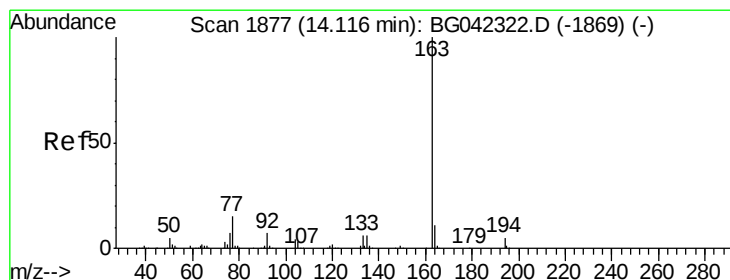
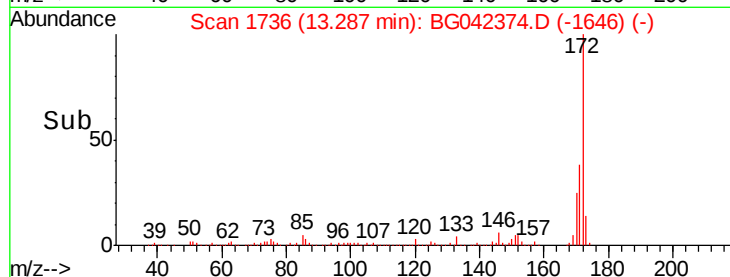
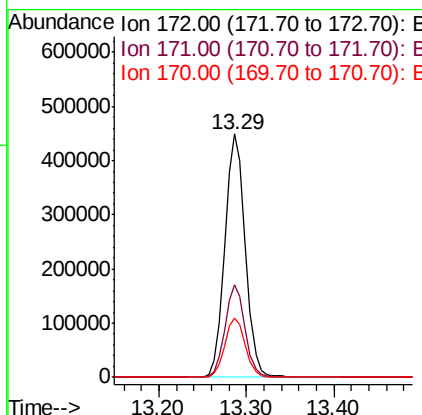
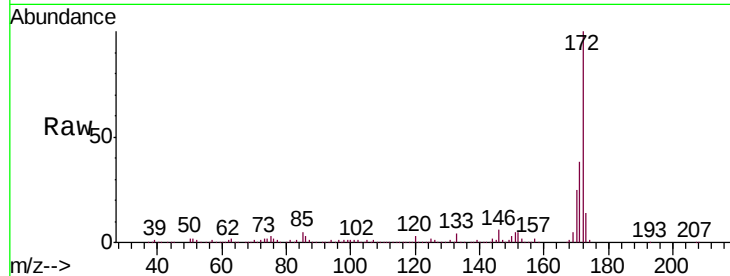
#45
2-Fluorobiphenyl
Concen: 66.863 ng
RT: 13.29 min Scan# 1736
Delta R.T. -0.00 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Instrument :
BNA_G
ClientSampleId :
T1-L-(0-2.5)

Tot Ion:	172	Resp:	724661
Ion Ratio	Lower	Upper	
172	100		
171	38.2	30.3	45.5
170	24.5	20.0	30.0

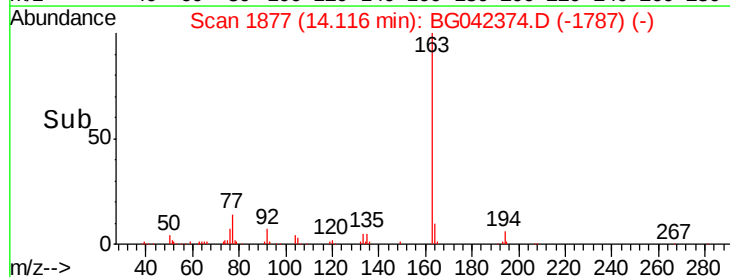
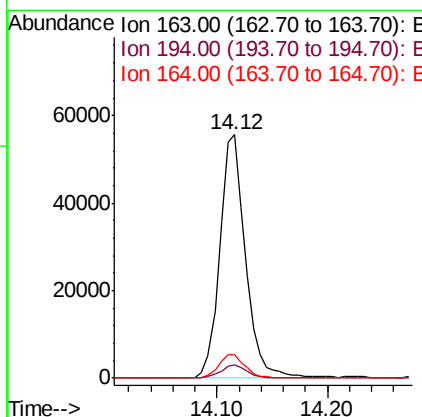
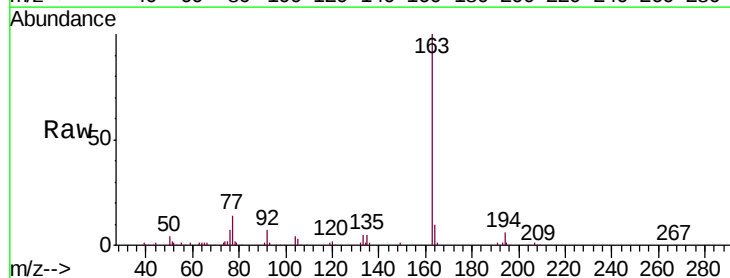
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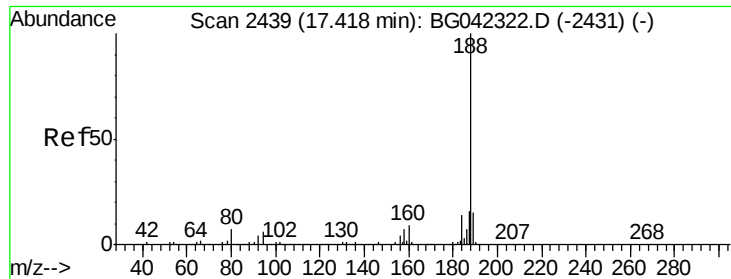
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#50
Dimethylphthalate
Concen: 6.914 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Tgt Ion:	163	Resp:	90098
Ion Ratio	Lower	Upper	
163	100		
194	5.6	4.2	6.2
164	9.7	8.8	13.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.01 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

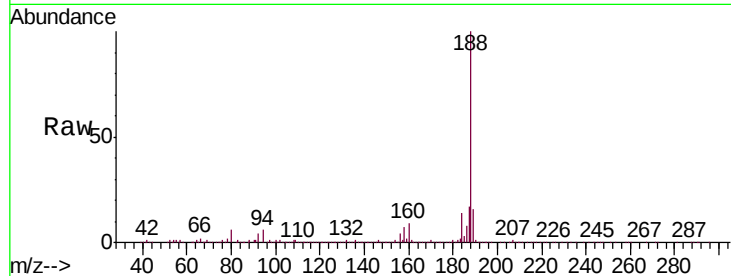
ClientSampleId :

T1-L-(0-2.5)

Tot Ion:188	Resp:	356206
Ion Ratio	Lower	Upper
188 100		
94 5.6	4.9	7.3
80 6.3	5.4	8.0

Manual Integrations
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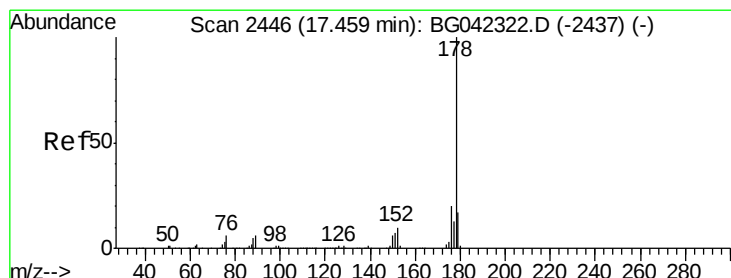
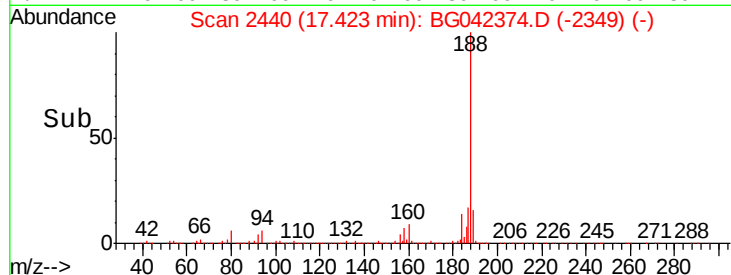
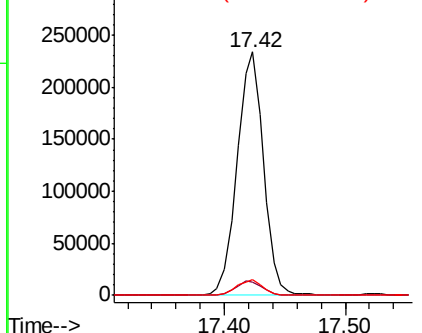
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#71

Phenanthrene

Concen: 12.038 ng

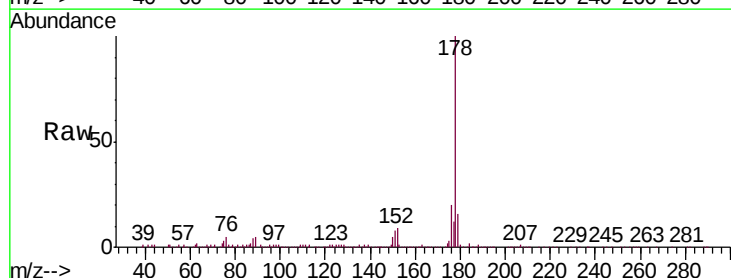
RT: 17.46 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

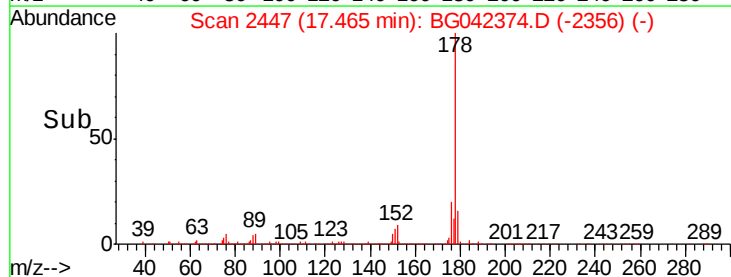
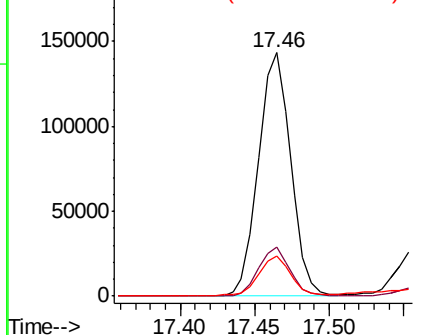
Tgt Ion:178	Resp:	213561
Ion Ratio	Lower	Upper
178 100		
176 20.1	16.2	24.4
179 16.3	13.7	20.5

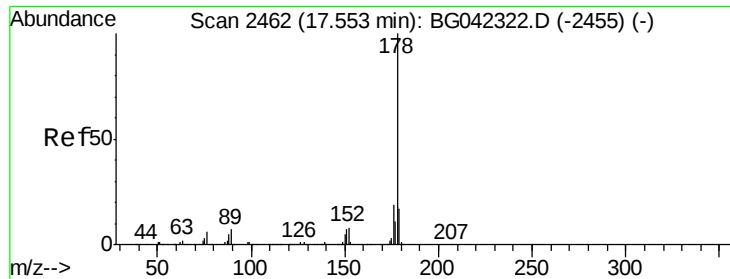


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.202 ng

RT: 17.55 min Scan# 2462

Delta R.T. -0.00 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

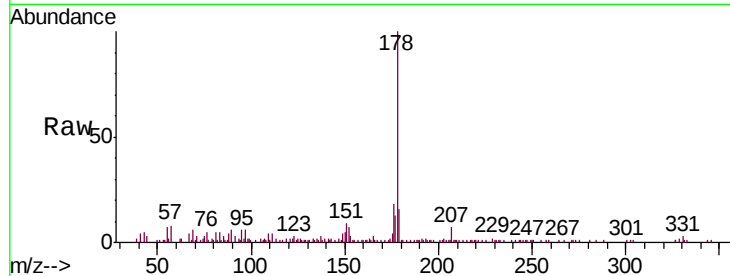
ClientSampled :

T1-L-(0-2.5)

Tot Ion:	178	Resp:	38969
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.5	23.3
179	16.3	13.6	20.4

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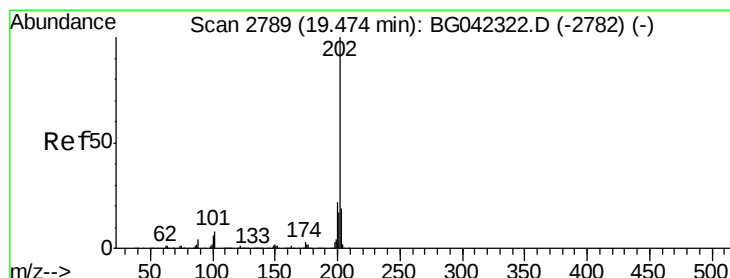
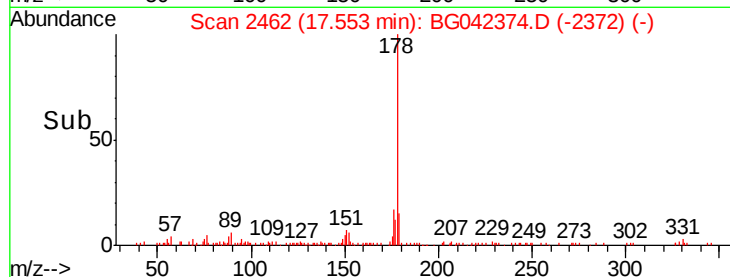
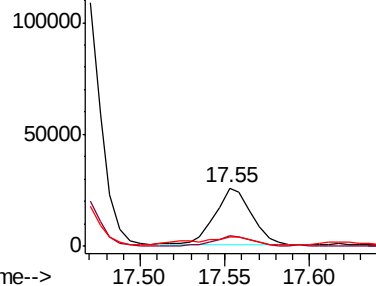


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 13.167 ng

RT: 19.47 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

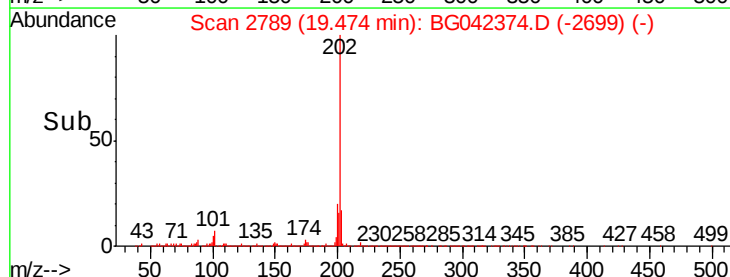
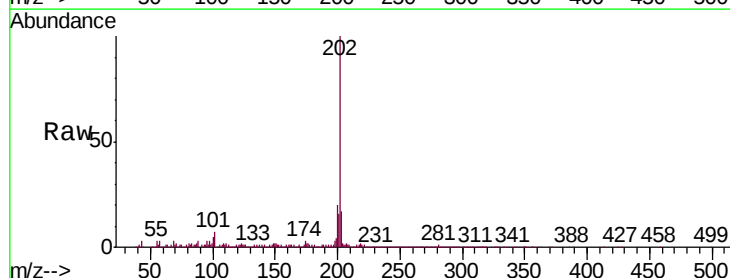
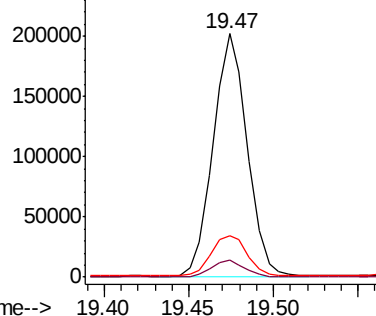
Tgt Ion:	202	Resp:	281672
Ion Ratio	Lower	Upper	
202	100		
101	6.8	0.0	28.0
203	17.0	0.0	39.1

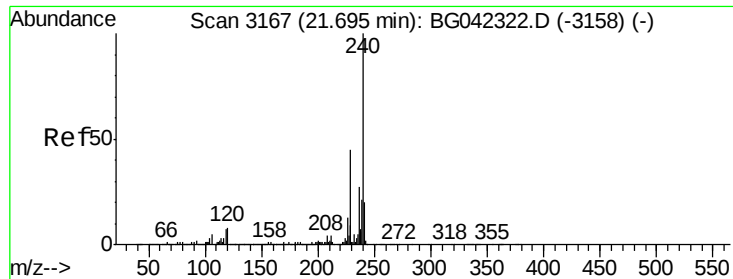
Abundance

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





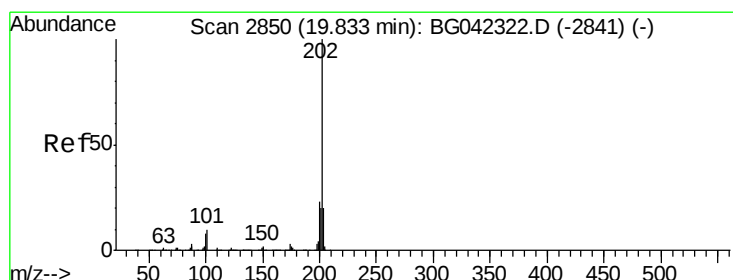
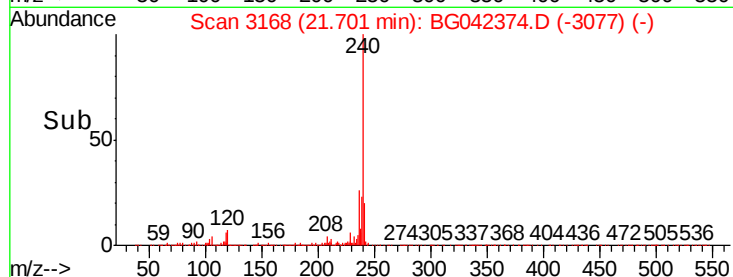
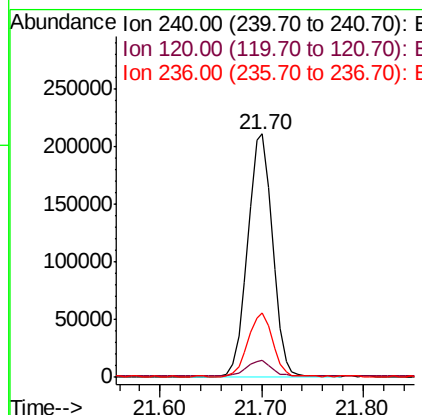
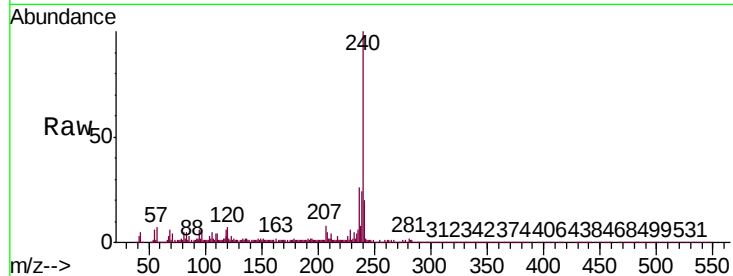
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. 0.01 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Instrument :
BNA_G
ClientSampled :
T1-L-(0-2.5)

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.0	9.0
236	26.2	21.6	32.4

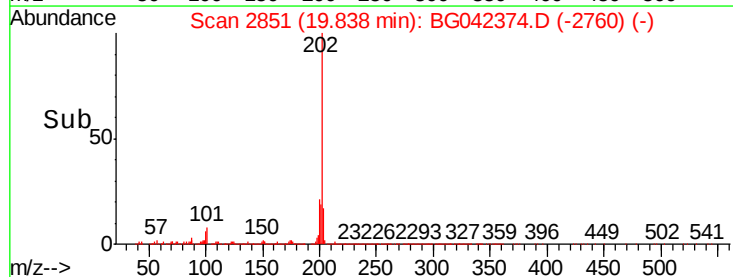
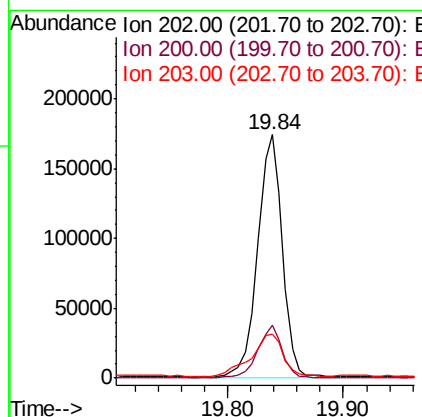
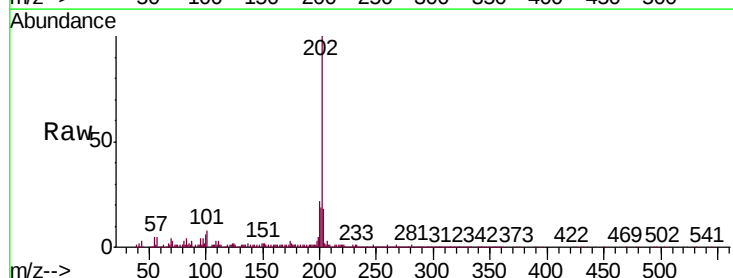
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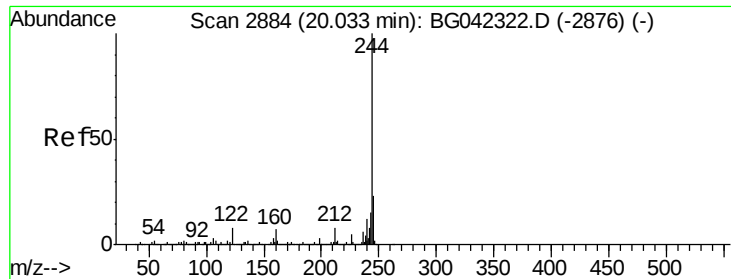
mohammad
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#78
Pyrene
Concen: 11.737 ng
RT: 19.84 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.1	27.1
203	18.1	15.8	23.8





#79

Terphenyl-d14

Concen: 58.438 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.00 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

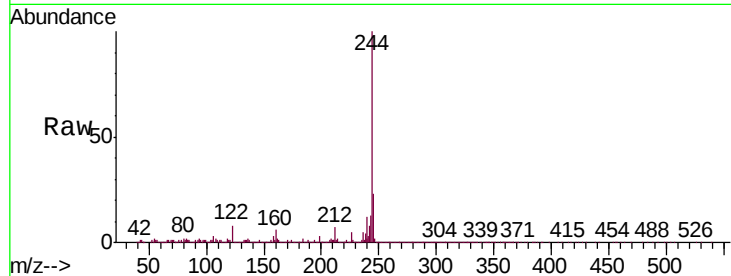
ClientSampleId :

T1-L-(0-2.5)

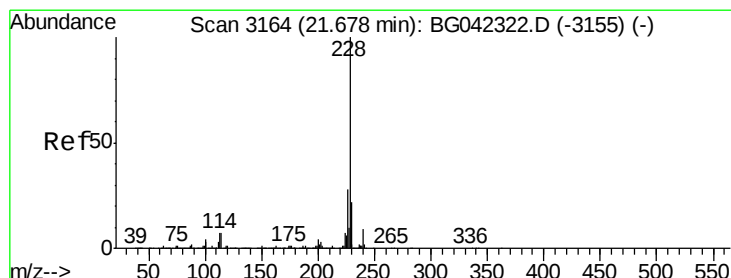
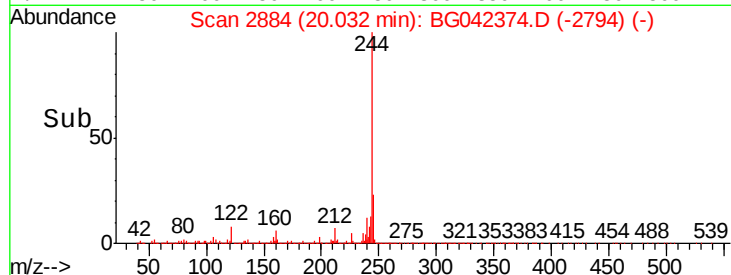
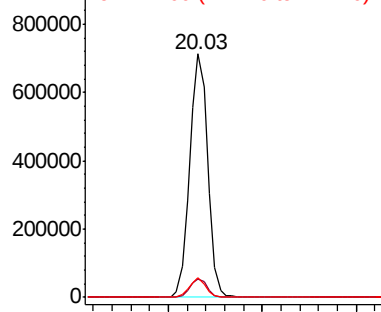
Tot Ion:	244	Resp:	959102
Ion Ratio	Lower	Upper	
244	100		
212	7.4	6.4	9.6
122	7.9	6.6	10.0

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8/22/2019 12:49:34 PM



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: 5.969 ng

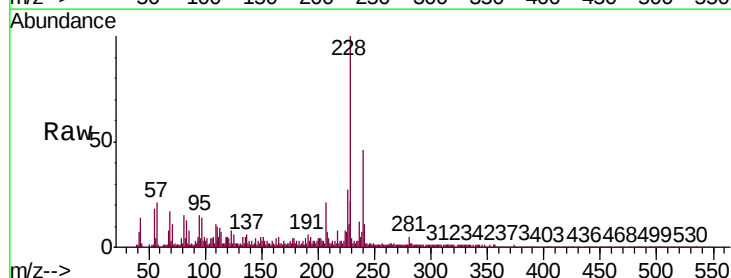
RT: 21.68 min Scan# 3164

Delta R.T. -0.00 min

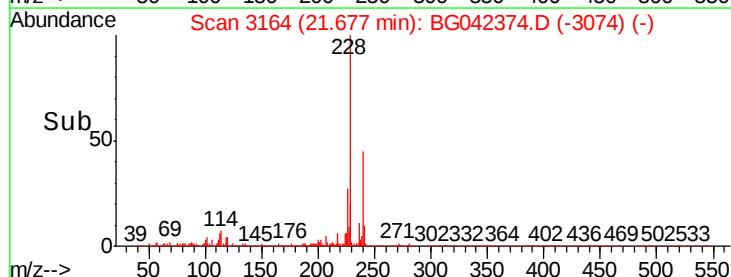
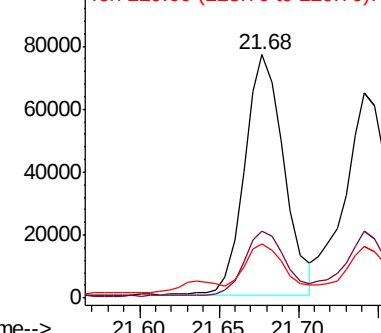
Lab File: BG042374.D

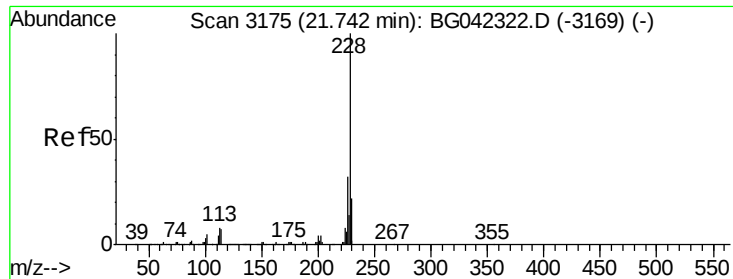
Acq: 21 Aug 2019 1:43

Tgt Ion:	228	Resp:	131770
Ion Ratio	Lower	Upper	
228	100		
226	27.5	22.7	34.1
229	22.2	17.4	26.2



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





#83

Chrysene

Concen: 5.755 ng

RT: 21.74 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

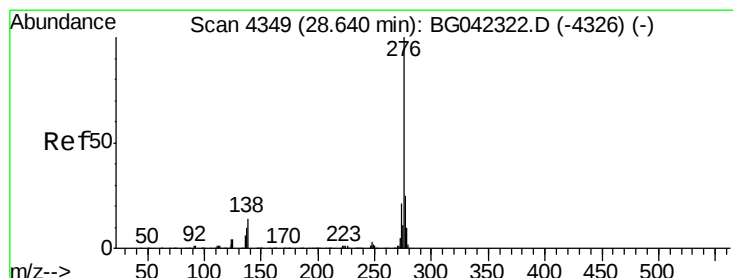
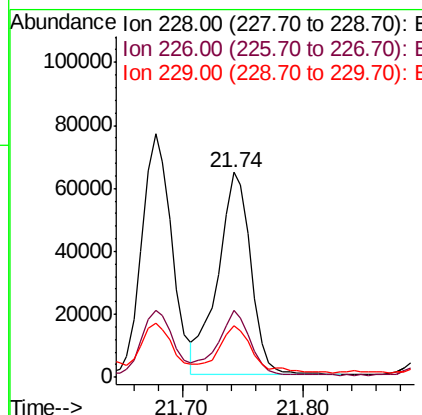
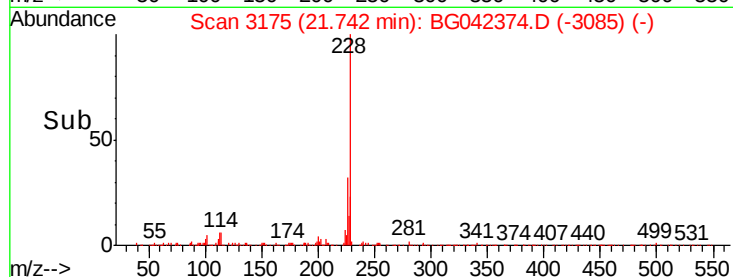
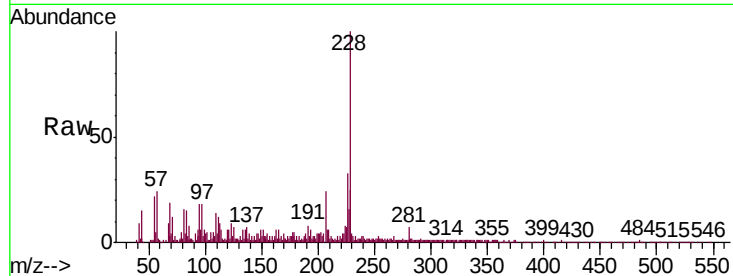
ClientSampled :

T1-L-(0-2.5)

Tot Ion:	228	Resp:	121539
Ion Ratio	Lower	Upper	
228	100		
226	33.0	25.6	38.4
229	25.1	17.8	26.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.309 ng

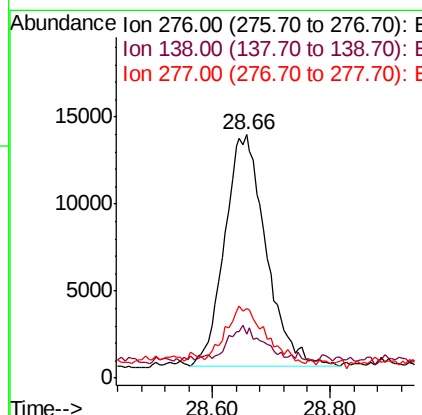
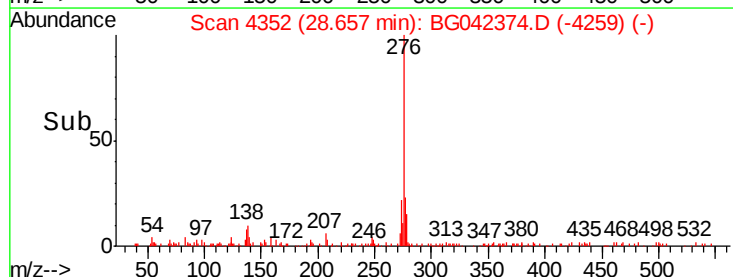
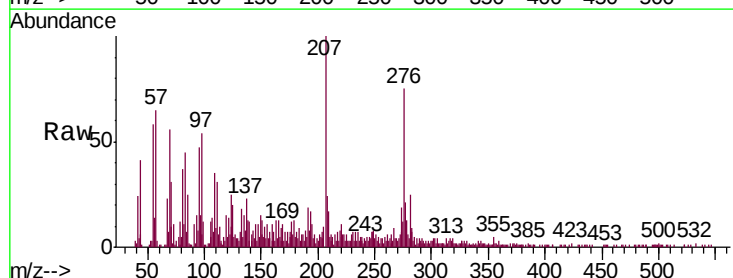
RT: 28.66 min Scan# 4352

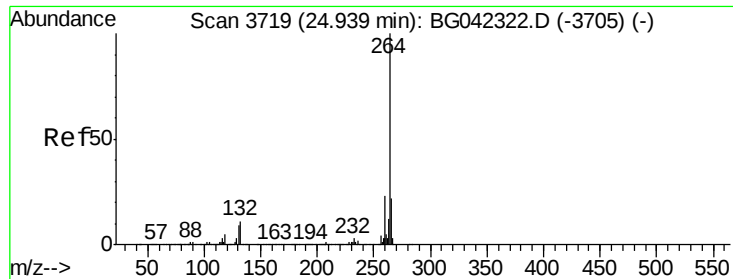
Delta R.T. 0.02 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Tgt Ion:	276	Resp:	65093
Ion Ratio	Lower	Upper	
276	100		
138	10.4	14.5	21.7#
277	23.3	21.0	31.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.95 min Scan# 3721

Delta R.T. 0.01 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Instrument :

BNA_G

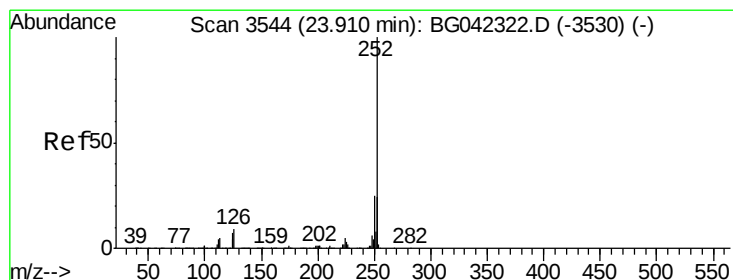
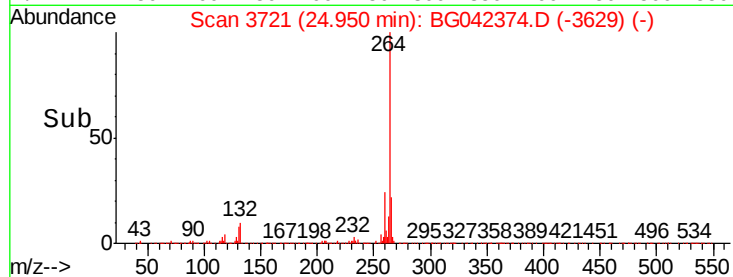
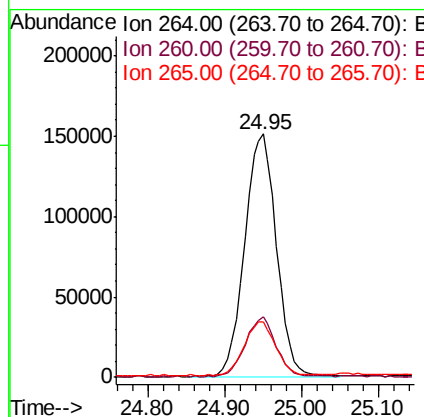
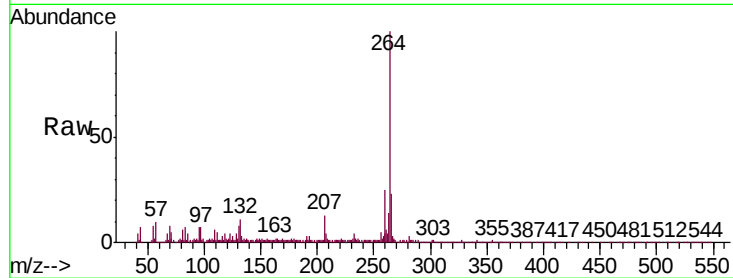
ClientSampled :

T1-L-(0-2.5)

Tot Ion:	264	Resp:	434229
Ion Ratio		Lower	Upper
264	100		
260	24.7	18.4	27.6
265	22.8	17.4	26.0

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#88

Benzo(b)fluoranthene

Concen: 6.130 ng

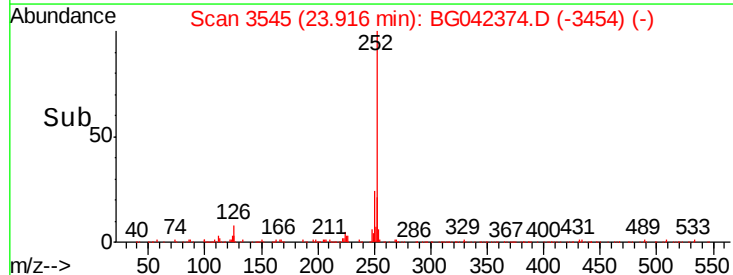
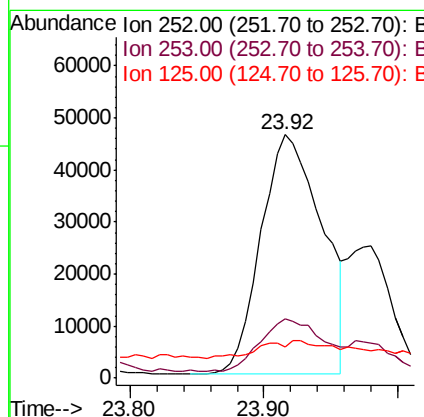
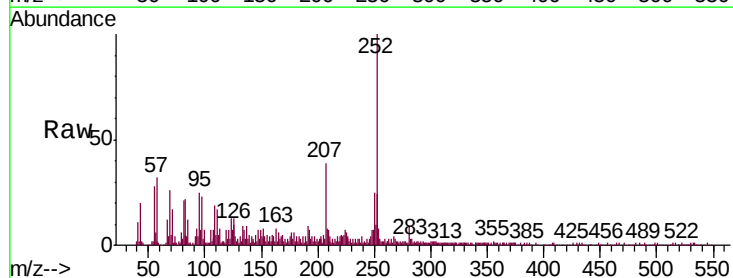
RT: 23.92 min Scan# 3545

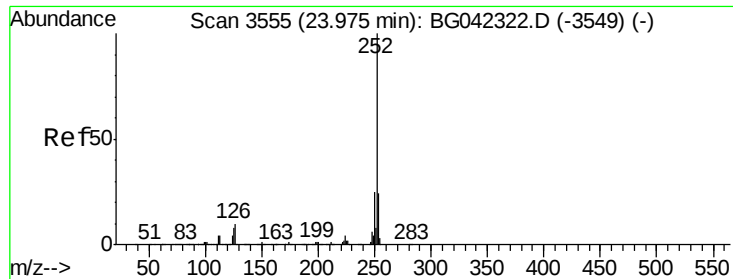
Delta R.T. 0.01 min

Lab File: BG042374.D

Acq: 21 Aug 2019 1:43

Tgt Ion:	252	Resp:	146303
Ion Ratio		Lower	Upper
252	100		
253	24.1	18.9	28.3
125	12.9	5.8	8.6#





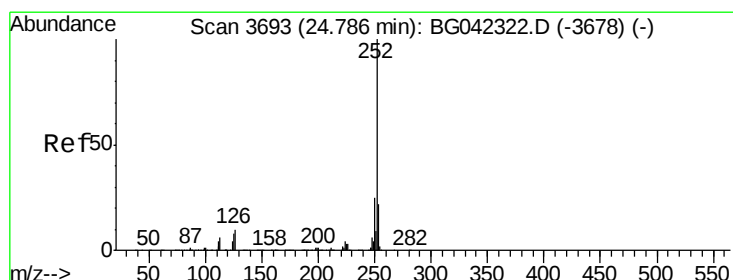
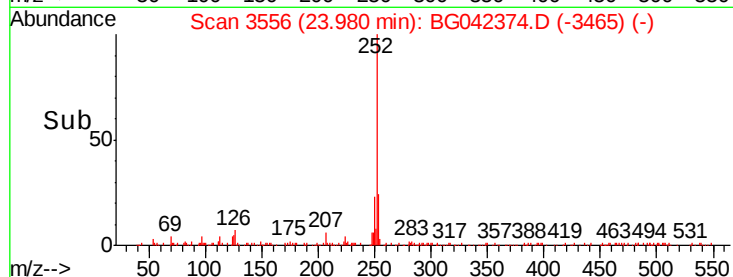
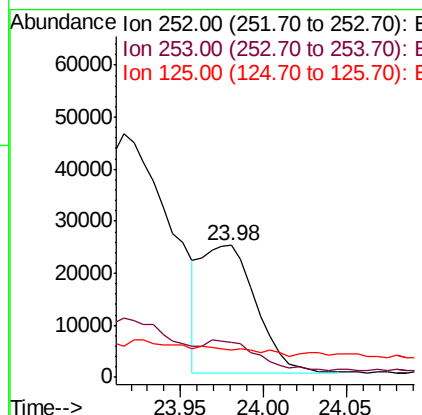
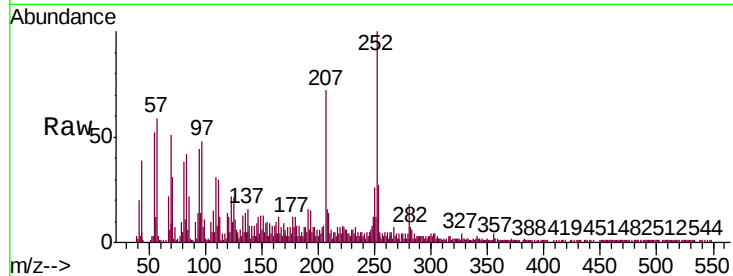
#89
Benzo(k)fluoranthene
Concen: 2.402 ng m
RT: 23.98 min Scan# 3556
Delta R.T. 0.01 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Instrument :
BNA_G
ClientSampleId :
T1-L-(0-2.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	19.0	28.4
125	21.1	6.0	9.0#

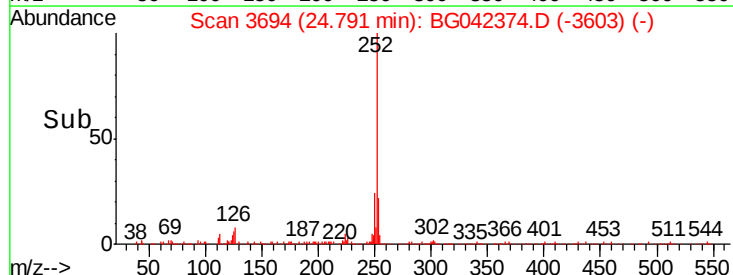
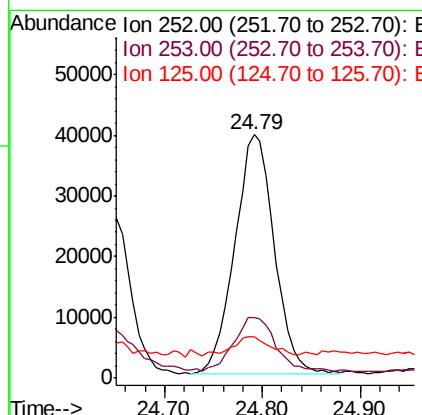
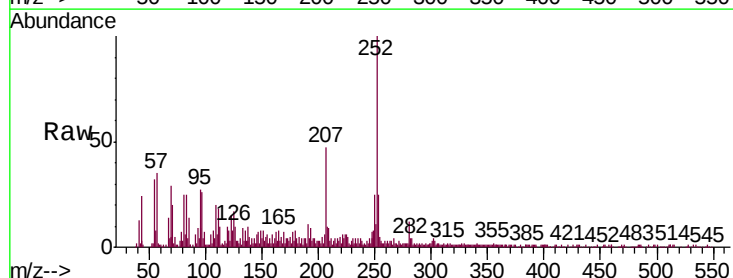
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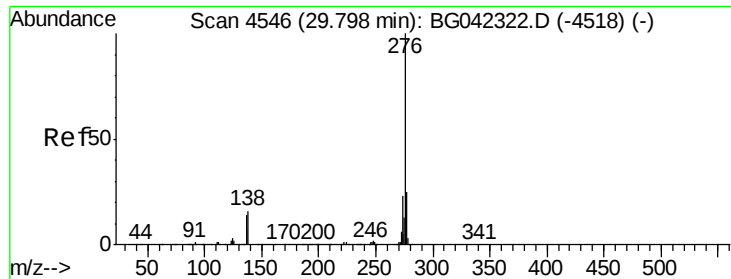
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#90
Benzo(a)pyrene
Concen: 4.843 ng
RT: 24.79 min Scan# 3694
Delta R.T. 0.01 min
Lab File: BG042374.D
Acq: 21 Aug 2019 1:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	17.1	6.7	10.1#





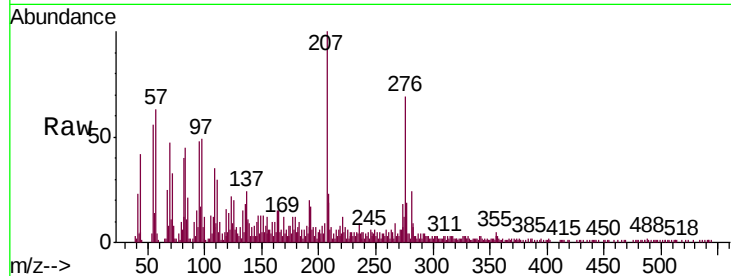
#92
 Benzo(a,h,i)perylene
 Concen: 2.754 ng
 RT: 29.81 min Scan# 4548
 Delta R.T. 0.01 min
 Lab File: BG042374.D
 Acq: 21 Aug 2019 1:43

Instrument :
 BNA_G
 ClientSampleId :
 T1-L-(0-2.5)

Tot Ion:	276	Resp:	62611
Ion Ratio	Lower	Upper	
276	100		
277	28.3	19.8	29.8
138	16.7	12.8	19.2

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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

