

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042372.D
 Acq On : 21 Aug 2019 00:26
 Operator : HP/JU
 Sample : K4388-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T4-C-(0-2)

Manual Integrations
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mohammad
 8/22/2019 12:49:29 PM

Quant Time: Aug 21 12:09:47 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	8.02	152	74504	20.00	ng	0.01
21) Naphthalene-d8	10.84	136	284531	20.00	ng	0.01
39) Acenaphthene-d10	14.67	164	181809	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	343479	20.00	ng	0.01
76) Chrysene-d12	21.71	240	374247	20.00	ng	0.01
87) Perylene-d12	24.96	264	449776	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	290175	78.91	ng	0.02
7) Phenol-d6	7.18	99	402541	80.60	ng	0.02
23) Nitrobenzene-d5	9.18	82	228574	56.50	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	195205	78.83	ng	0.01
45) 2-Fluorobiphenyl	13.29	172	476005	44.30	ng	0.00
79) Terphenyl-d14	20.04	244	693131	40.57	ng	0.00
Target Compounds						
38) 1-Methylnaphthalene	12.72	142	20536m	2.040	ng	Qvalue
50) Dimethylphthalate	14.12	163	35316	2.734	ng	99
71) Phenanthrene	17.47	178	333527	19.497	ng	99
72) Anthracene	17.57	178	83403m	4.888	ng	
75) Fluoranthene	19.49	202	596743	28.928	ng	96
78) Pyrene	19.84	202	557306	24.201	ng	98
81) Benzo(a)anthracene	21.69	228	352811	15.351	ng	95
83) Chrysene	21.75	228	322495m	14.668	ng	
84) Bis(2-ethylhexyl)phthalate	21.59	149	122303	9.611	ng	# 94
86) Indeno(1,2,3-cd)pyrene	28.68	276	142687	4.861	ng	95
88) Benzo(b)fluoranthene	23.93	252	360931	14.600	ng	# 84
89) Benzo(k)fluoranthene	23.99	252	133885m	5.540	ng	
90) Benzo(a)pyrene	24.81	252	244680	10.329	ng	# 81
92) Benzo(a,h,i)perylene	29.84	276	132534	5.628	ng	# 82

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

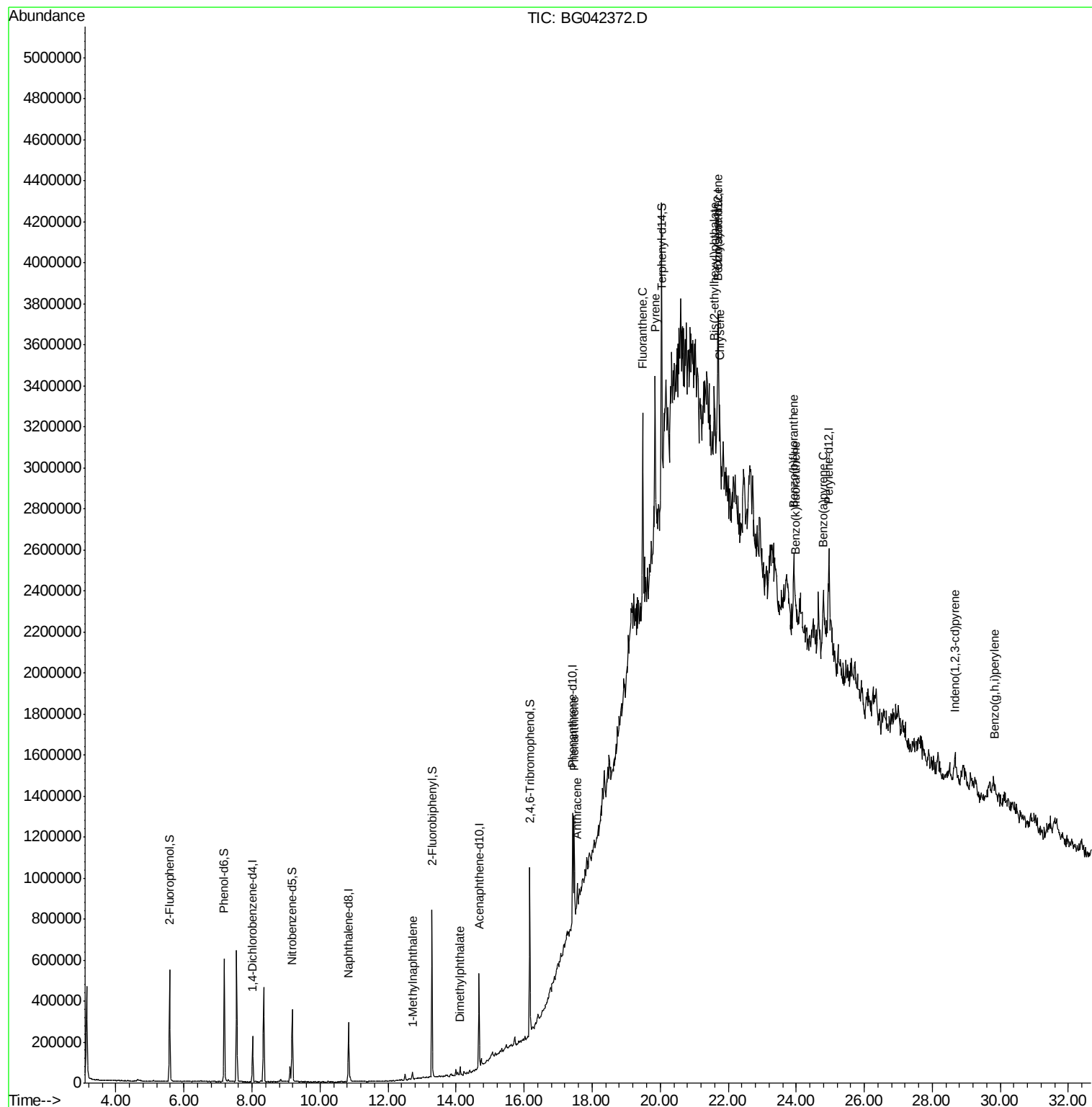
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
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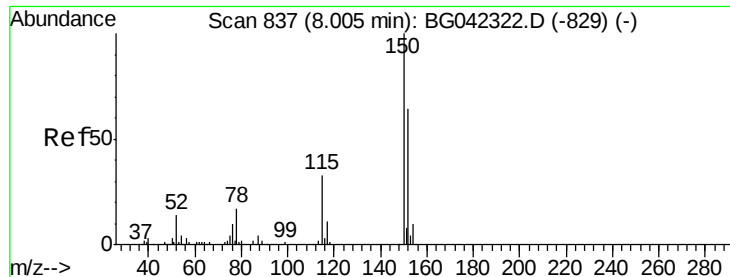
Instrument :
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T4-C-(0-2)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG081919.M
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#1

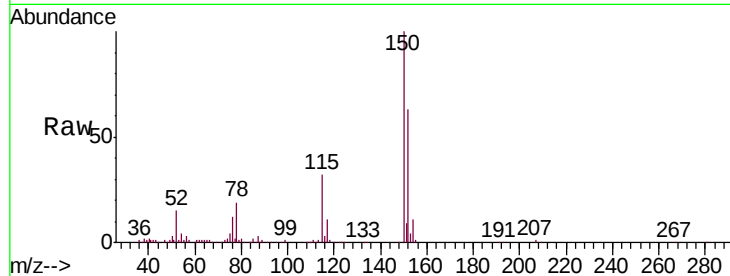
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :
T4-C-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.3	186.5
115	51.1	40.5	60.7

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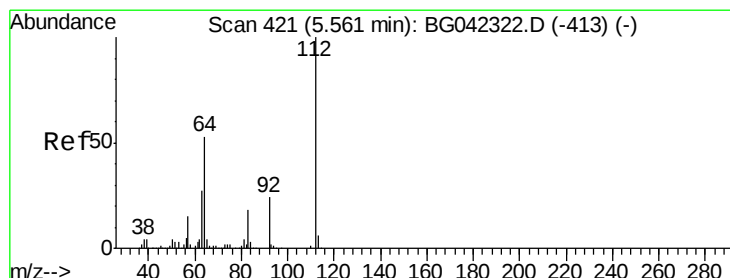
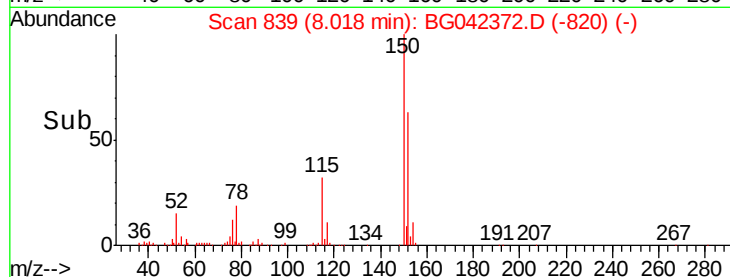
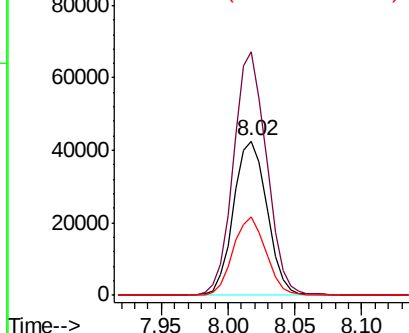


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

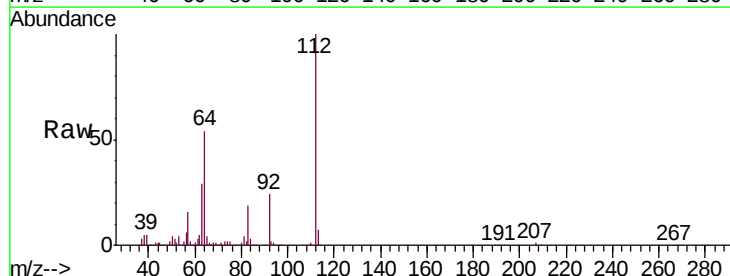
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.911 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.02 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	42.5	63.7
63	28.8	21.7	32.5

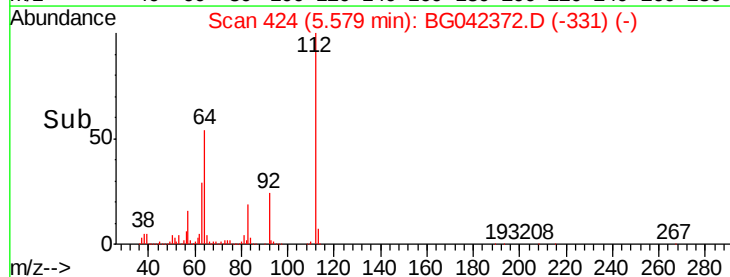
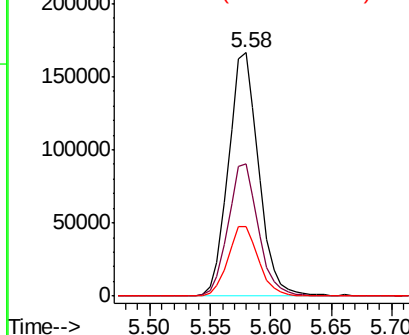


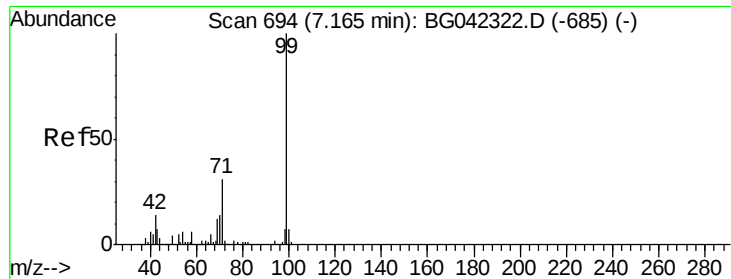
Abundance

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: 80.603 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

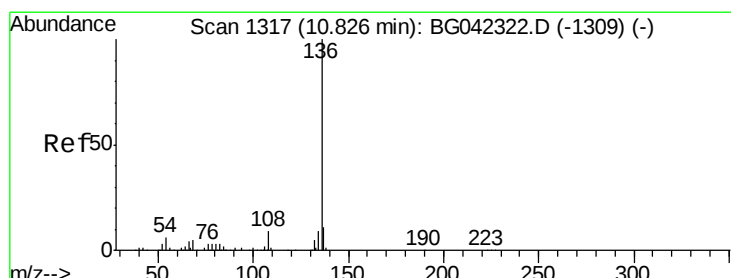
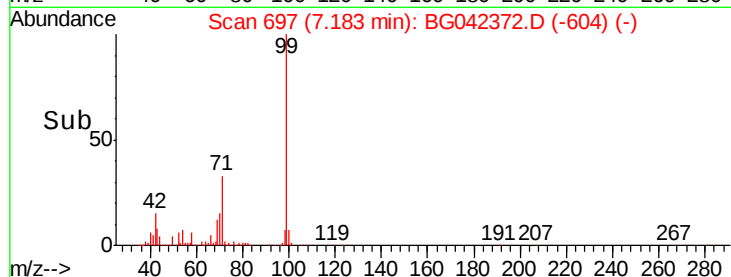
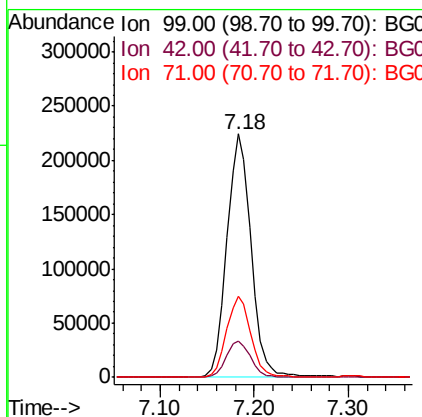
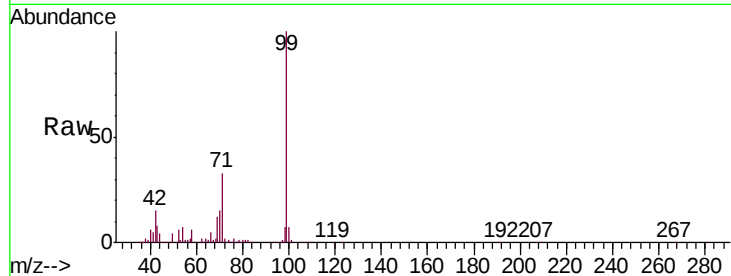
ClientSampleId :

T4-C-(0-2)

Tot Ion:	99	Resp:	402541
Ion Ratio	Lower	Upper	
99	100		
42	15.0	11.4	17.0
71	33.4	25.1	37.7

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#21

Naphthalene-d8

Concen: 20.000 ng

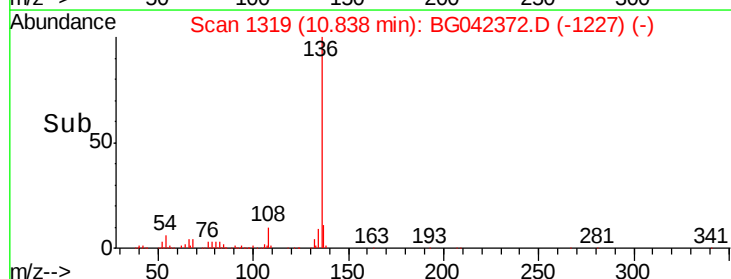
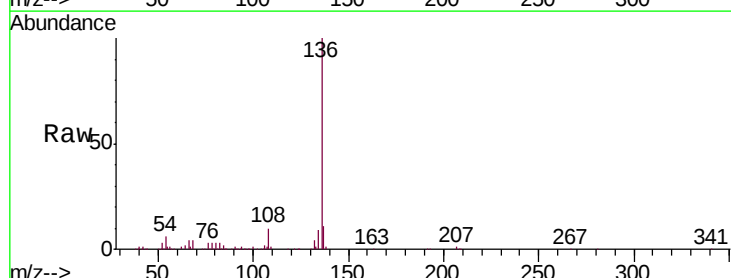
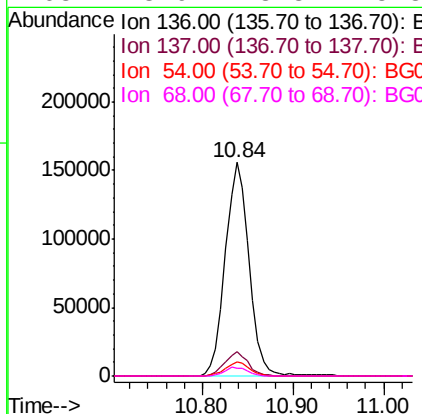
RT: 10.84 min Scan# 1319

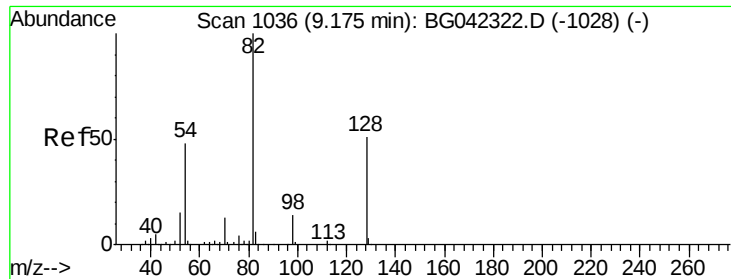
Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Tgt Ion:	136	Resp:	284531
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.4	12.6
54	6.4	5.0	7.4
68	3.9	3.8	5.8





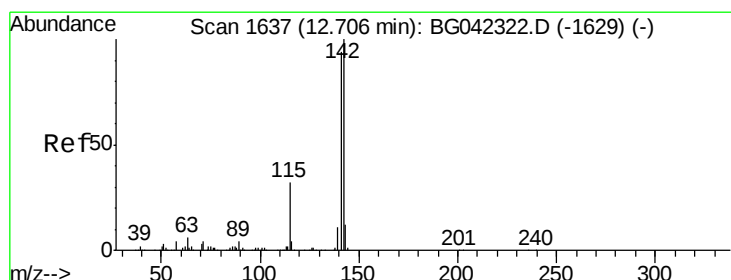
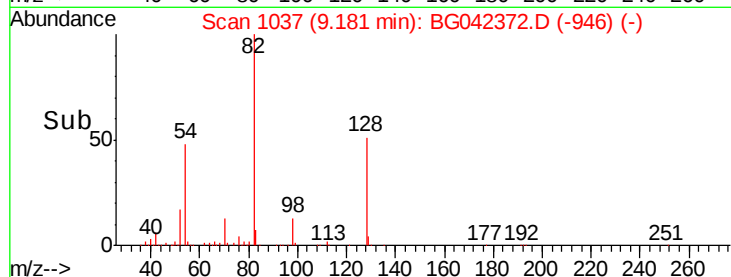
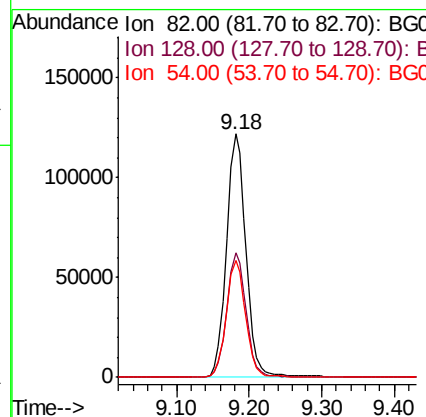
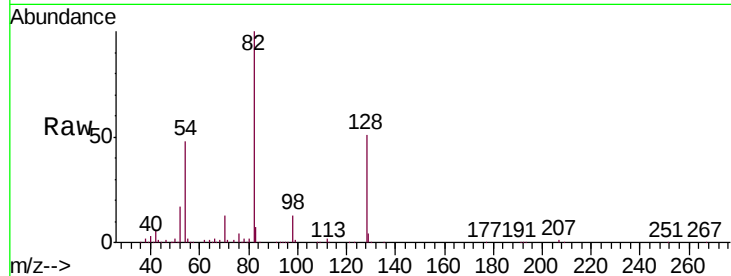
#23
 Nitrobenzene-d5
 Concen: 56.501 ng
 RT: 9.18 min Scan# 1037
 Delta R.T. 0.01 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

Instrument :
 BNA_G
 ClientSampleId :
 T4-C-(0-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.1	41.0	61.4
54	47.9	38.0	57.0

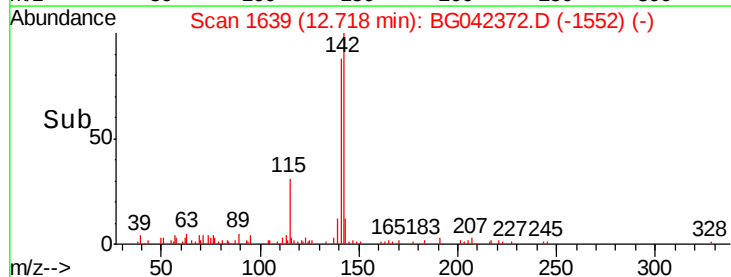
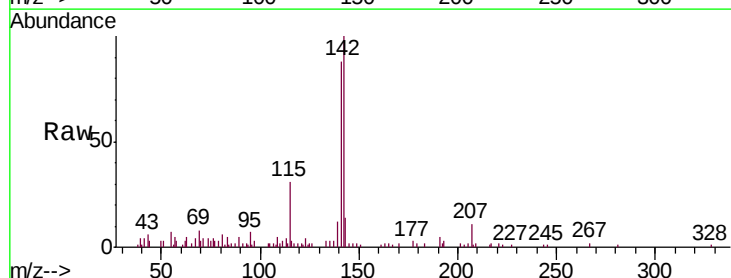
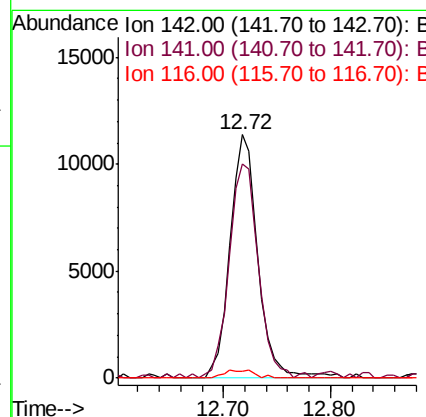
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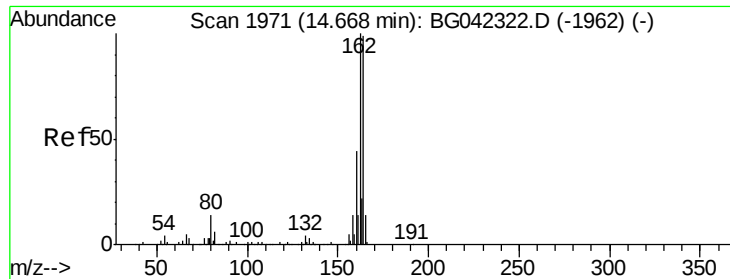
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#38
 1-Methylnaphthalene
 Concen: 2.040 ng m
 RT: 12.72 min Scan# 1639
 Delta R.T. 0.01 min
 Lab File: BG042372.D
 Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.1	75.1	112.7
116	3.0	3.0	4.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

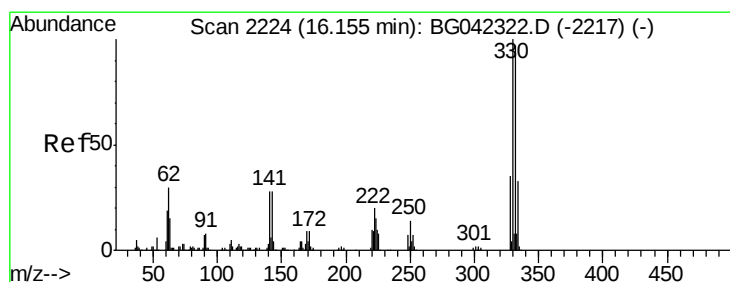
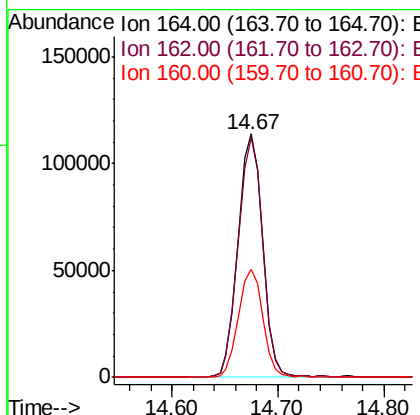
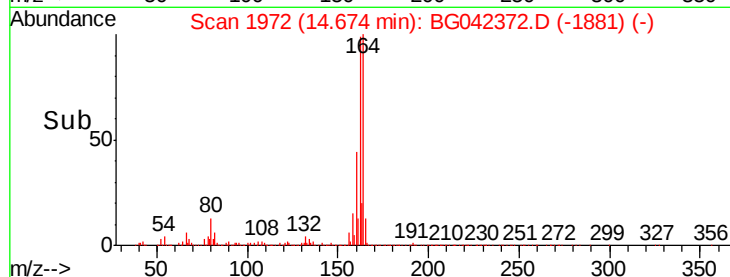
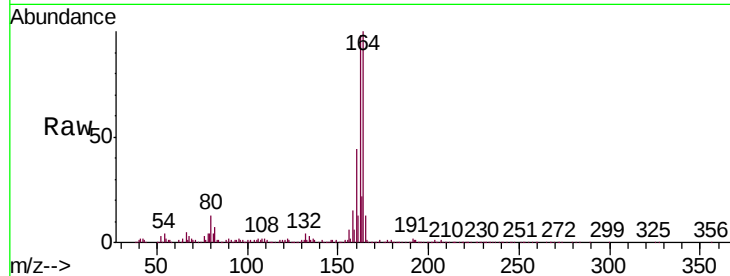
ClientSampleId :

T4-C-(0-2)

Tot Ion:	164	Resp:	181809
Ion Ratio	Lower	Upper	
164	100		
162	98.3	80.6	120.8
160	44.2	35.7	53.5

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#42

2,4,6-Tribromophenol

Concen: 78.833 ng

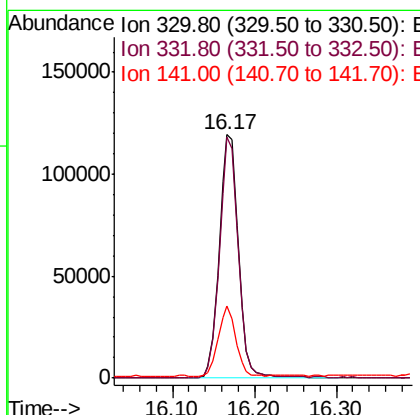
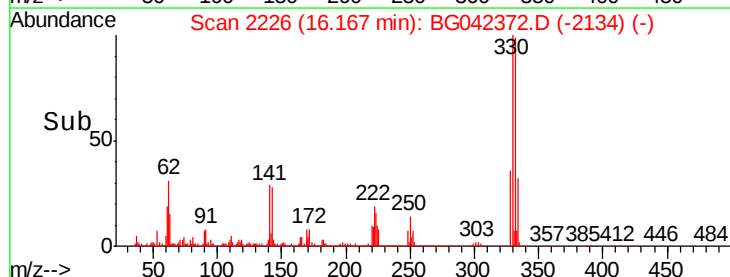
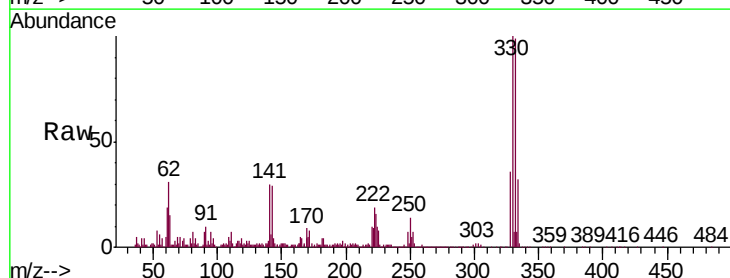
RT: 16.17 min Scan# 2226

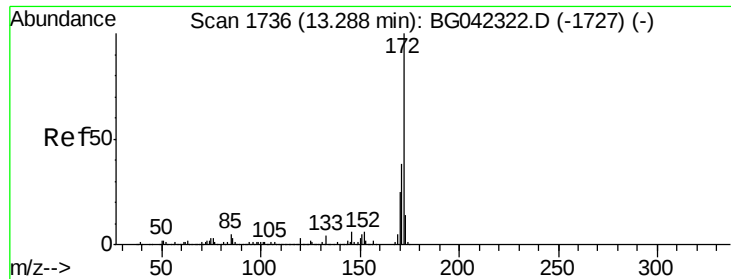
Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Tgt Ion:	330	Resp:	195205
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.9	115.3
141	25.9	21.8	32.6





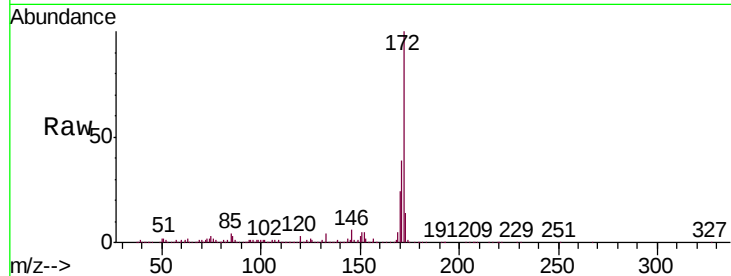
#45
2-Fluorobiphenyl
Concen: 44.303 ng
RT: 13.29 min Scan# 1737
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :
T4-C-(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.6	30.3	45.5
170	24.2	20.0	30.0

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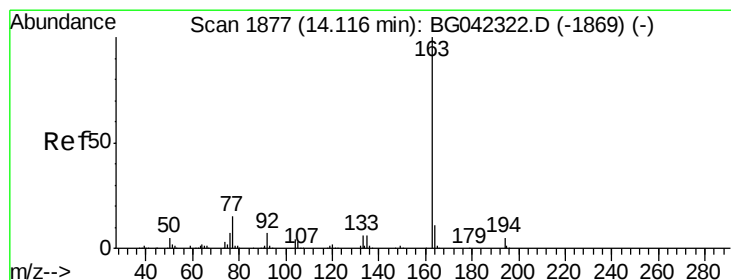
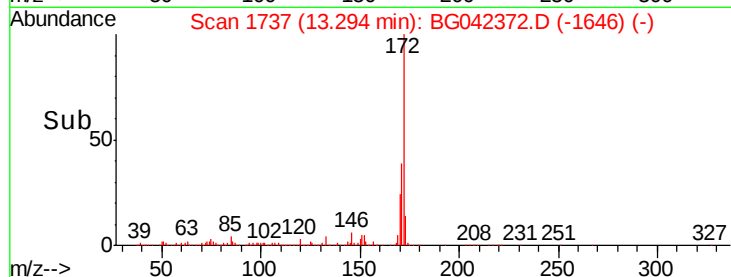
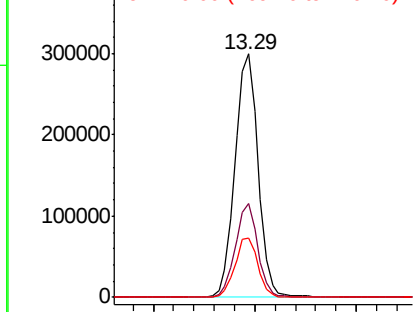


Abundance

Ion 172.00 (171.70 to 172.70): E

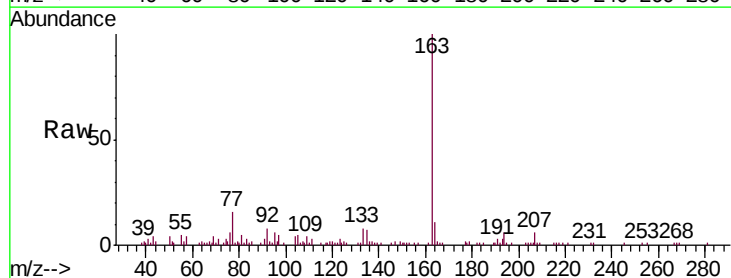
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 2.734 ng
RT: 14.12 min Scan# 1877
Delta R.T. 0.00 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.8	4.2	6.2
164	10.7	8.8	13.2

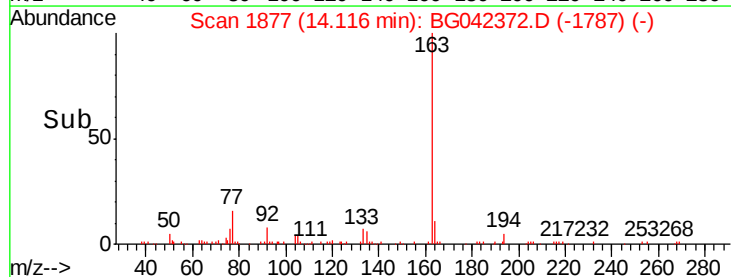
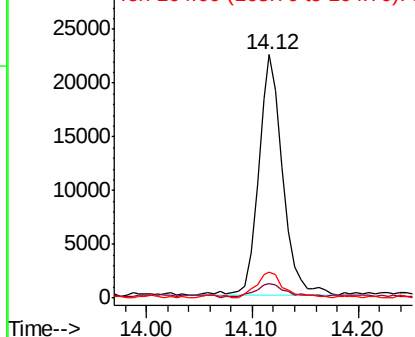


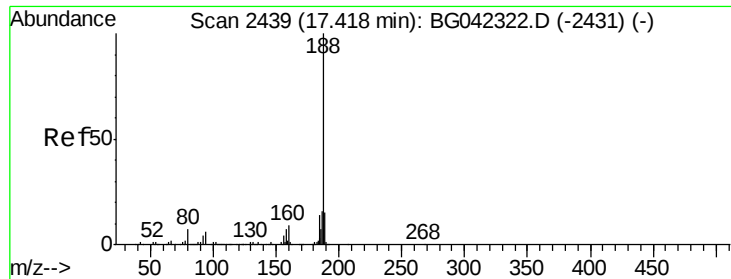
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

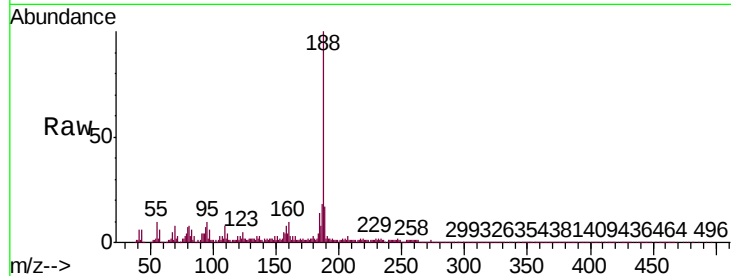
ClientSampleId :

T4-C-(0-2)

Tot Ion:	188	Resp:	343479
Ion Ratio	Lower	Upper	
188	100		
94	6.8	4.9	7.3
80	6.9	5.4	8.0

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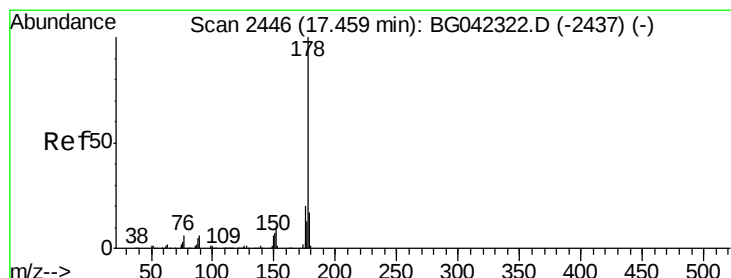
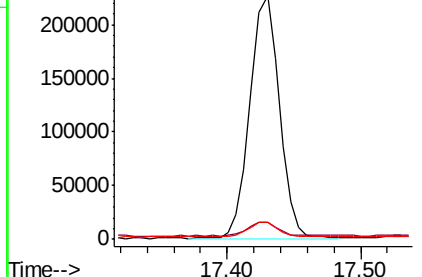
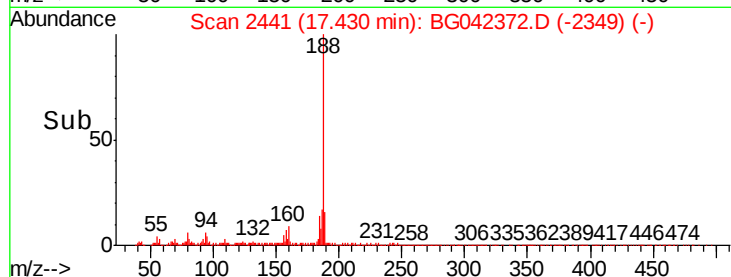
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#71

Phenanthrene

Concen: 19.497 ng

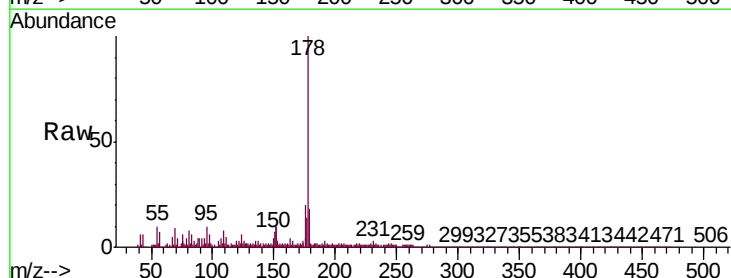
RT: 17.47 min Scan# 2448

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

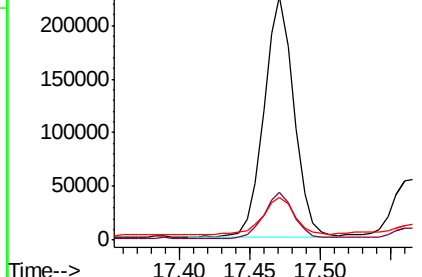
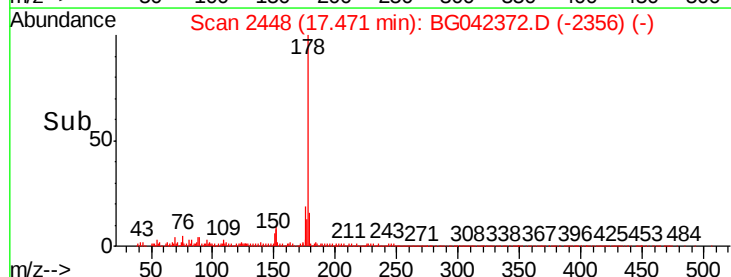
Tgt Ion:	178	Resp:	333527
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	17.6	13.7	20.5

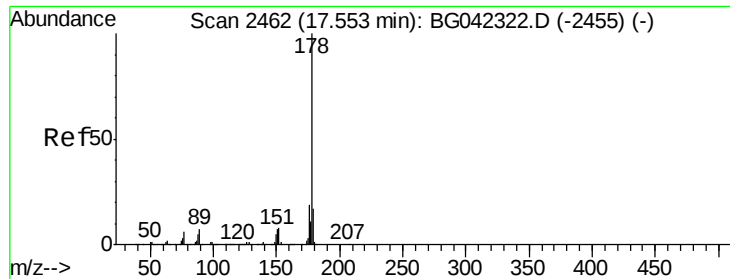


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.888 ng/mL

RT: 17.57 min Scan# 2464

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

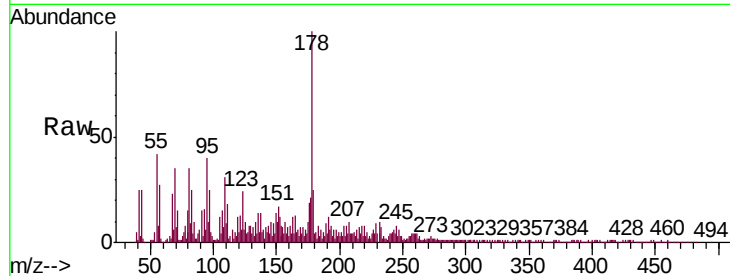
ClientSampled :

T4-C-(0-2)

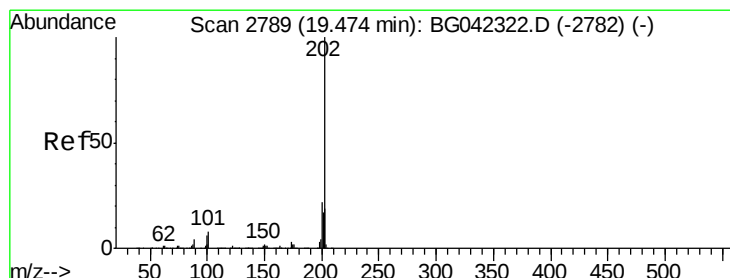
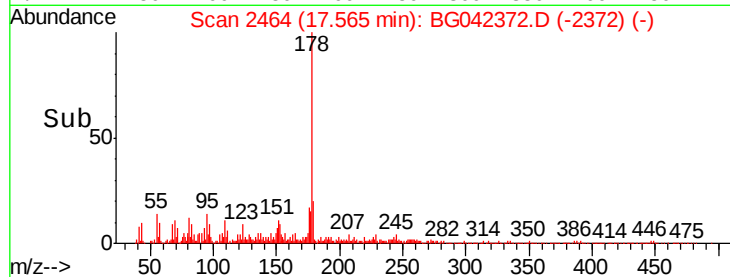
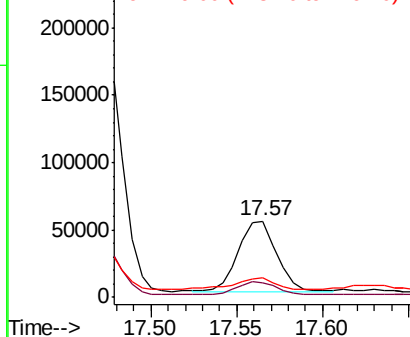
Tot Ion:	178	Resp:	83403
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.5	23.3
179	24.9	13.6	20.4

Manual Integrations
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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: 28.928 ng/mL

RT: 19.49 min Scan# 2791

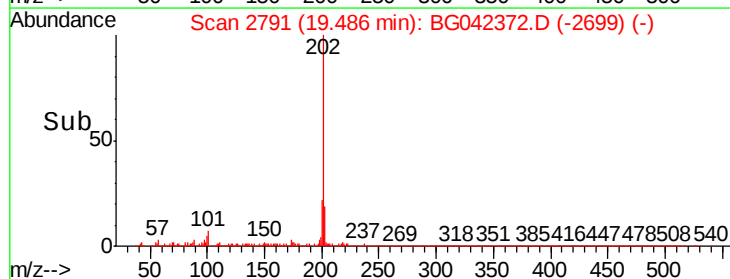
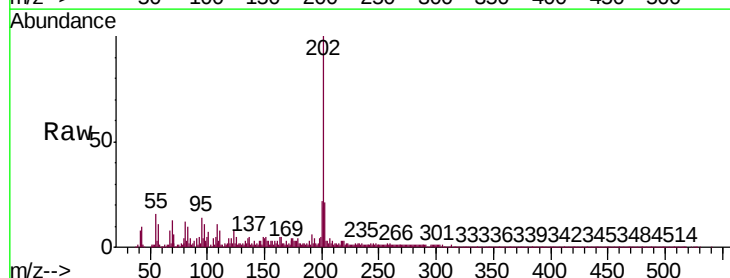
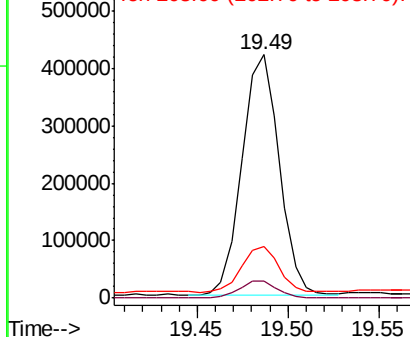
Delta R.T. 0.01 min

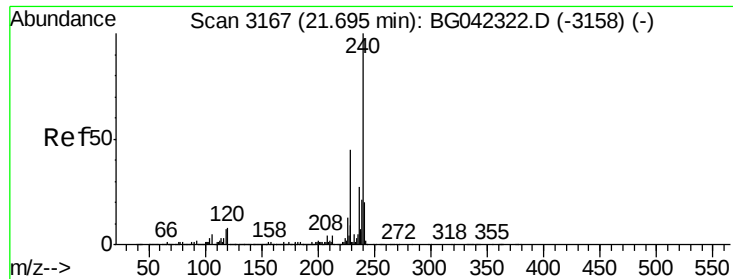
Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Tgt Ion:	202	Resp:	596743
Ion Ratio	Lower	Upper	
202	100		
101	7.0	0.0	28.0
203	21.1	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: 21.71 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

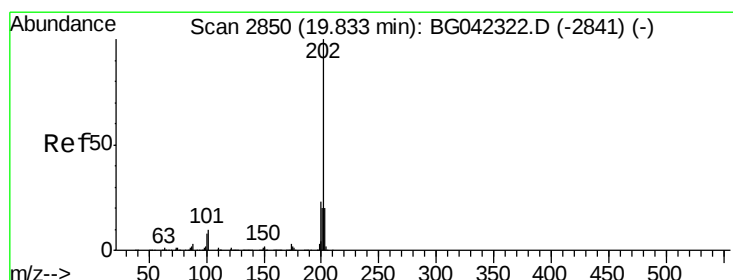
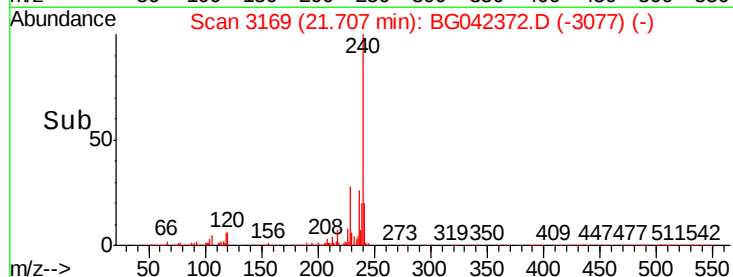
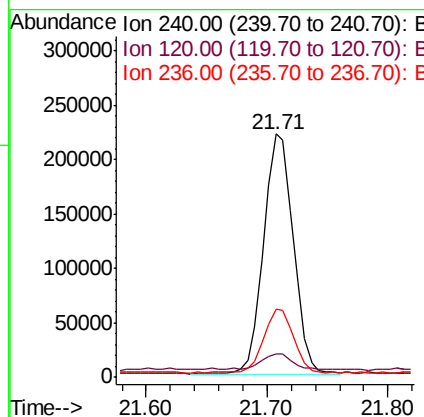
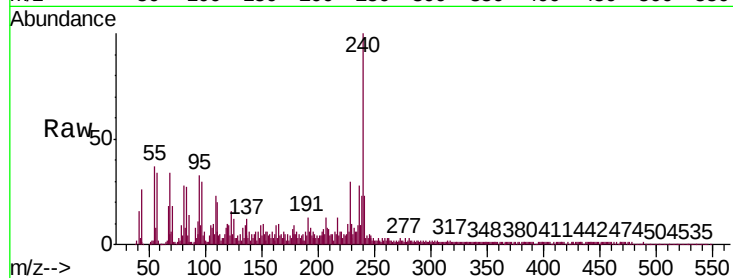
ClientSampleId :

T4-C-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	9.5	6.0	9.0#		
236	27.8	21.6	32.4		

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#78

Pyrene

Concen: 24.201 ng

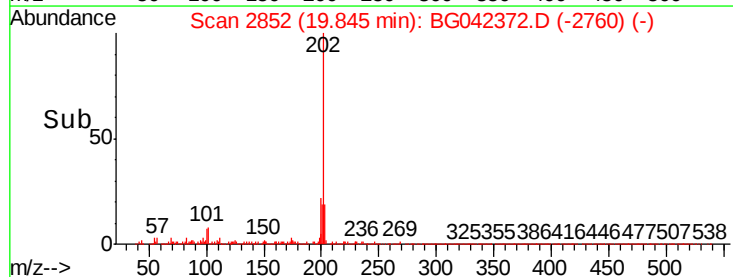
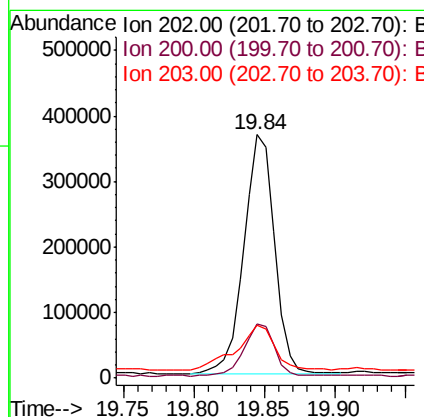
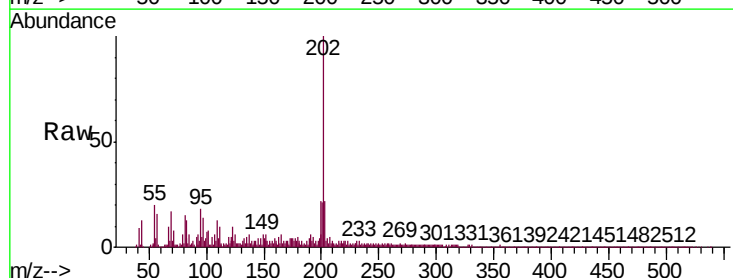
RT: 19.84 min Scan# 2852

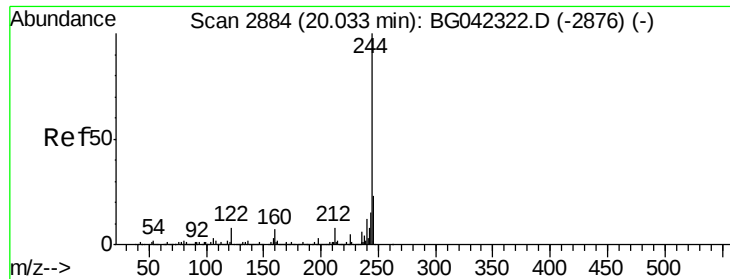
Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.4	18.1	27.1		
203	21.8	15.8	23.8		





#79

Terphenyl-d14

Concen: 40.566 ng

RT: 20.04 min Scan# 2885

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

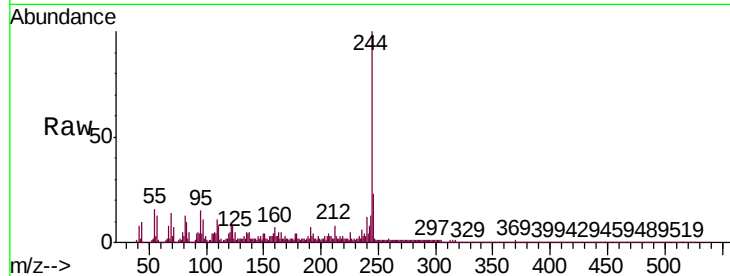
ClientSampleId :

T4-C-(0-2)

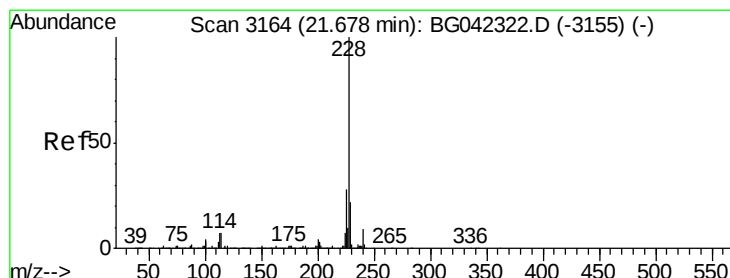
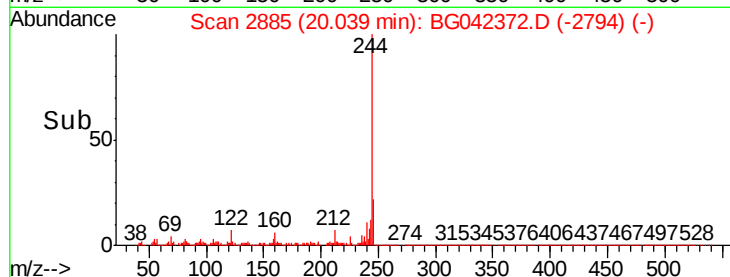
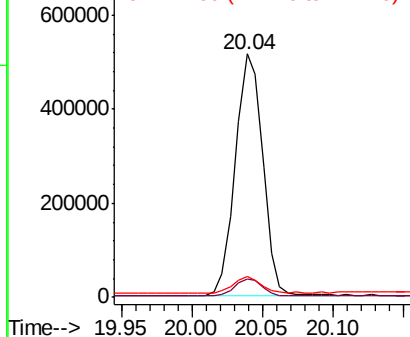
Tot Ion:	244	Resp:	693131
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.4	9.6
122	8.8	6.6	10.0

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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



#81

Benzo(a)anthracene

Concen: 15.351 ng

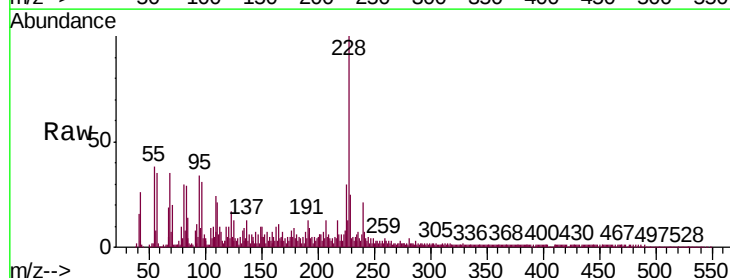
RT: 21.69 min Scan# 3166

Delta R.T. 0.01 min

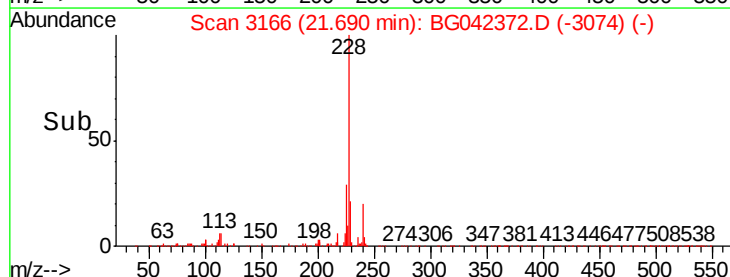
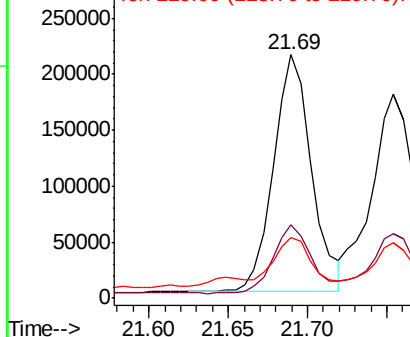
Lab File: BG042372.D

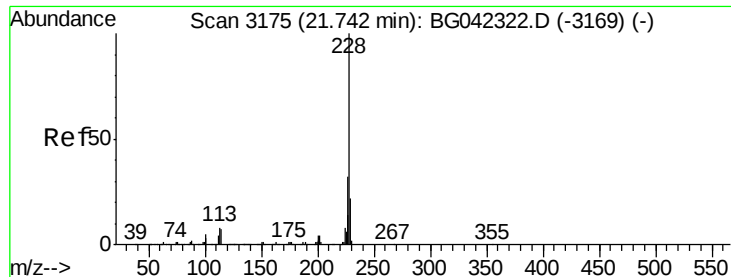
Acq: 21 Aug 2019 00:26

Tgt Ion:	228	Resp:	352811
Ion Ratio	Lower	Upper	
228	100		
226	30.1	22.7	34.1
229	24.7	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: 14.668 ng/mL

RT: 21.75 min Scan# 3177

Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Instrument :

BNA_G

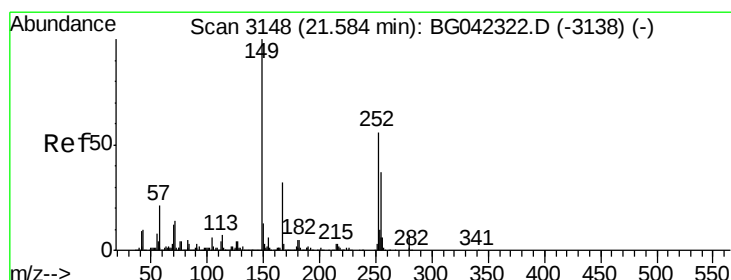
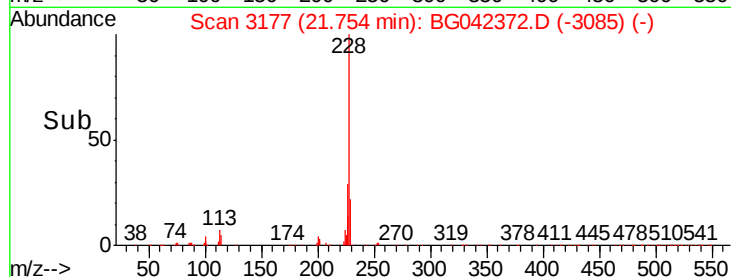
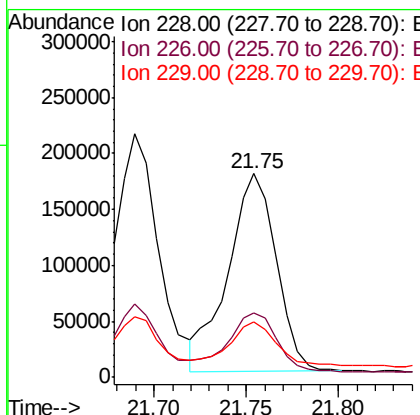
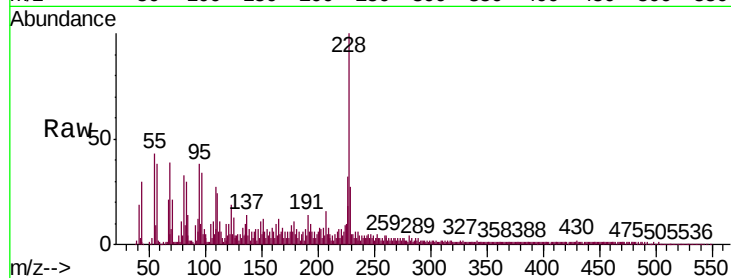
ClientSampleId :

T4-C-(0-2)

Tot Ion:	228	Resp:	322495
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.6	38.4
229	27.2	17.8	26.6

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#84

Bis(2-ethylhexyl)phthalate

Concen: 9.611 ng/mL

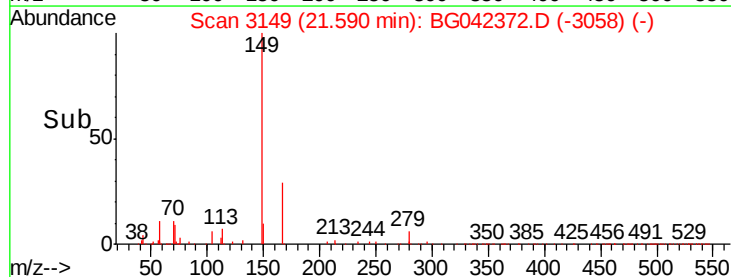
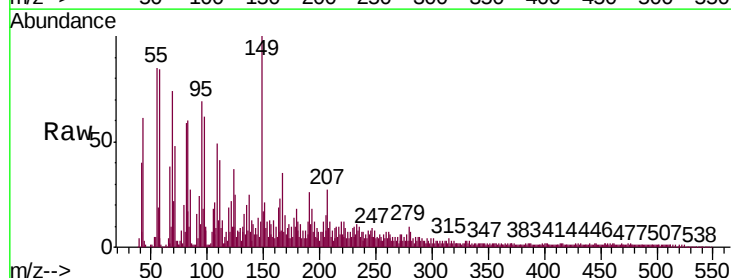
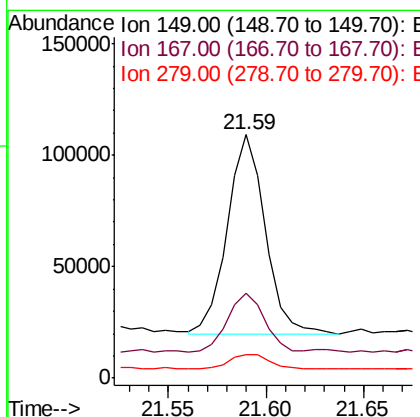
RT: 21.59 min Scan# 3149

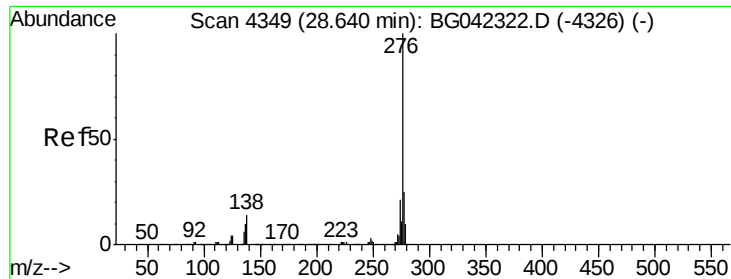
Delta R.T. 0.01 min

Lab File: BG042372.D

Acq: 21 Aug 2019 00:26

Tgt Ion:	149	Resp:	122303
Ion Ratio	Lower	Upper	
149	100		
167	34.7	25.4	38.0
279	9.5	5.8	8.6





#86

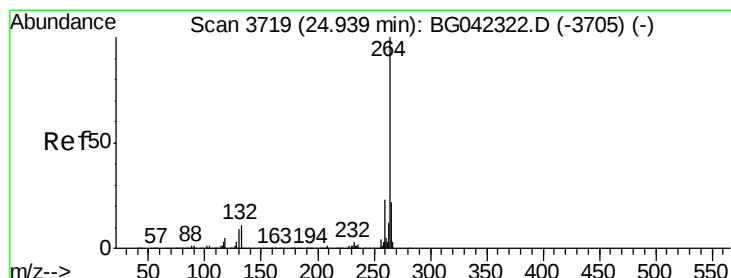
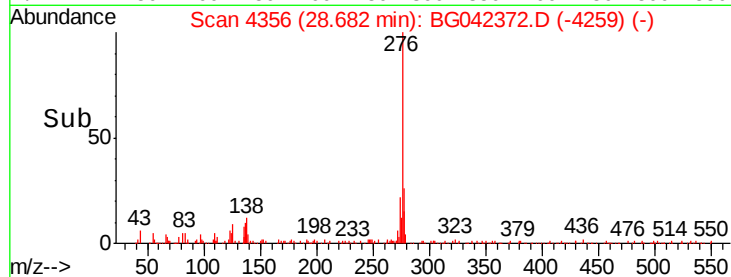
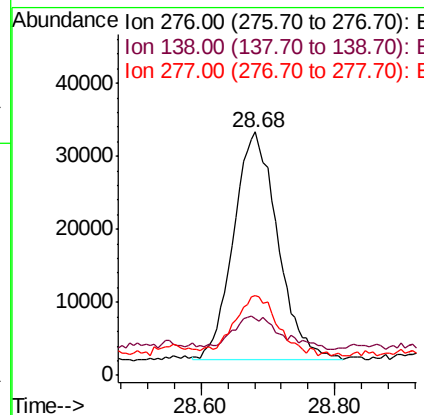
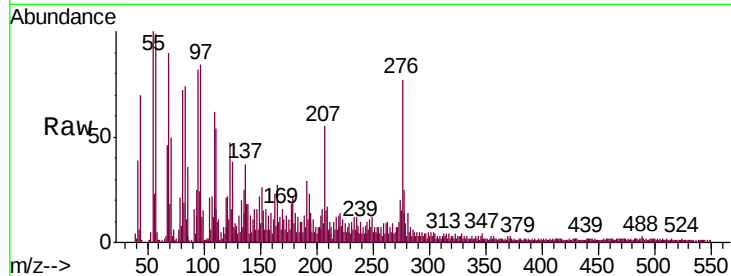
Indeno(1,2,3-cd)pyrene
Concen: 4.861 ng
RT: 28.68 min Scan# 4356
Delta R.T. 0.04 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :
T4-C-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.9	14.5	21.7
277	23.7	21.0	31.4

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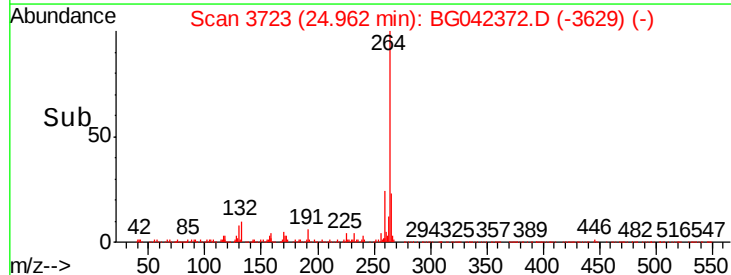
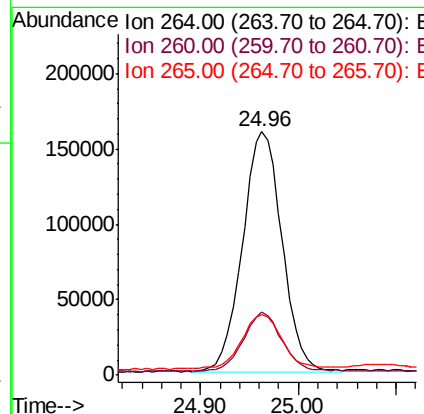
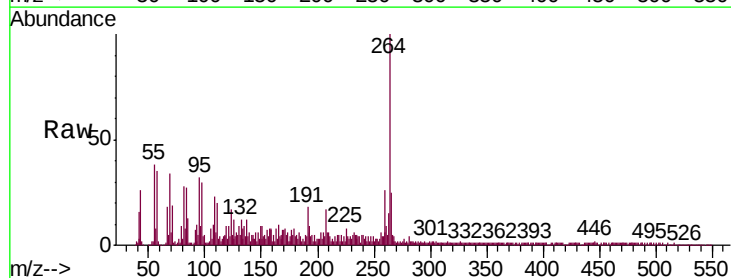
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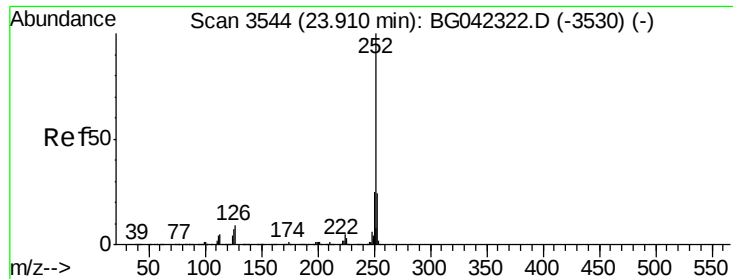


#87

Perylene-d12
Concen: 20.000 ng
RT: 24.96 min Scan# 3723
Delta R.T. 0.02 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.4	27.6
265	24.8	17.4	26.0





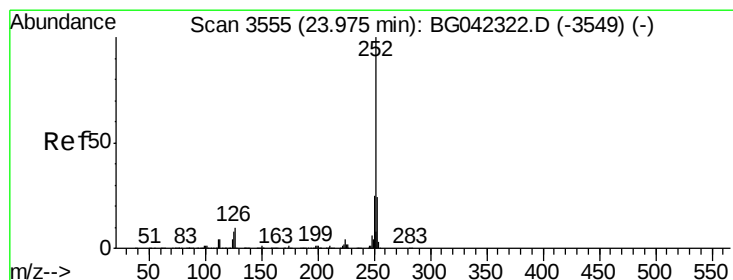
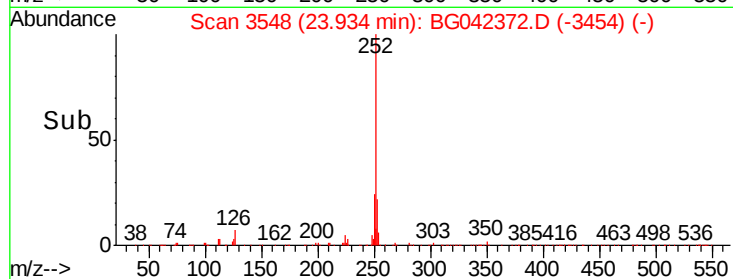
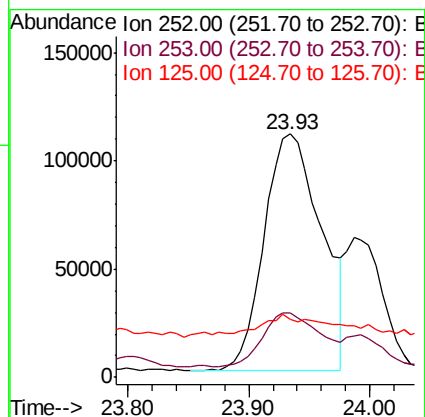
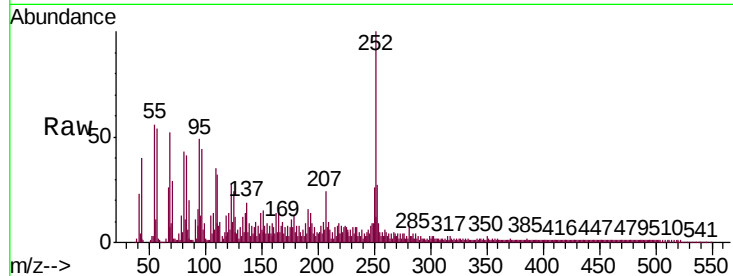
#88
Benzo(b)fluoranthene
Concen: 14.600 ng
RT: 23.93 min Scan# 3548
Delta R.T. 0.02 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :
T4-C-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.9	28.3
125	24.0	5.8	8.6

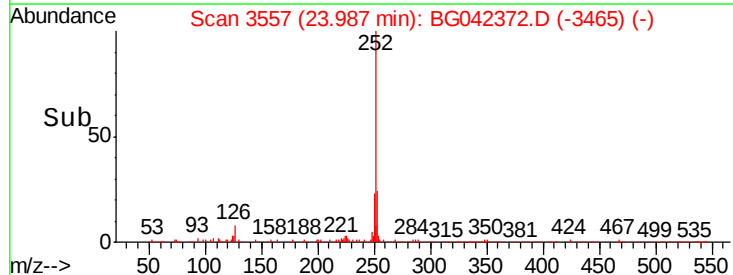
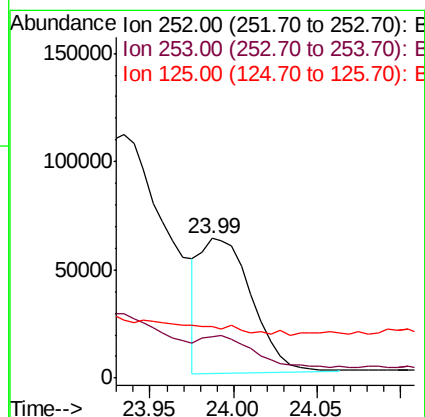
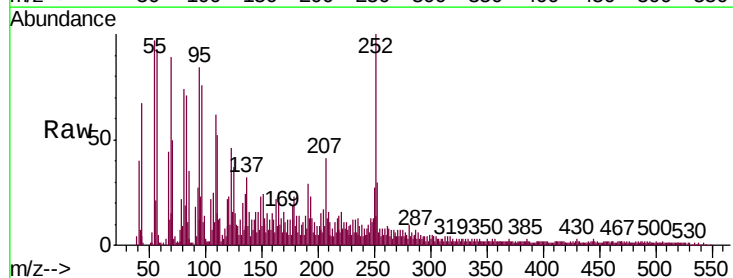
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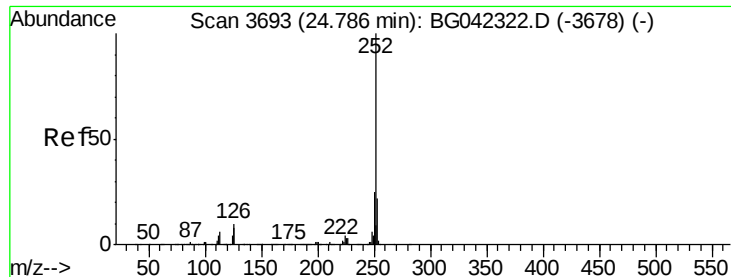
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#89
Benzo(k)fluoranthene
Concen: 5.540 ng m
RT: 23.99 min Scan# 3557
Delta R.T. 0.01 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.0	19.0	28.4
125	36.9	6.0	9.0





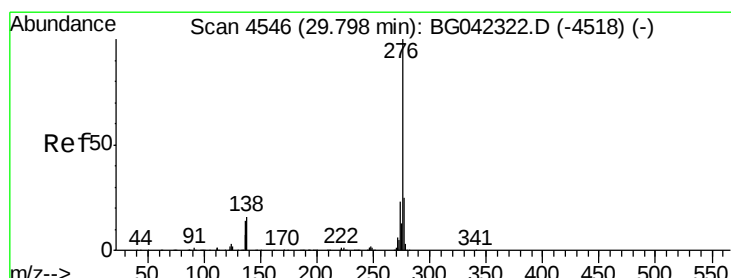
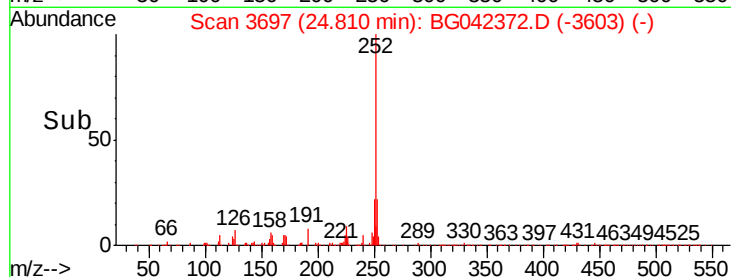
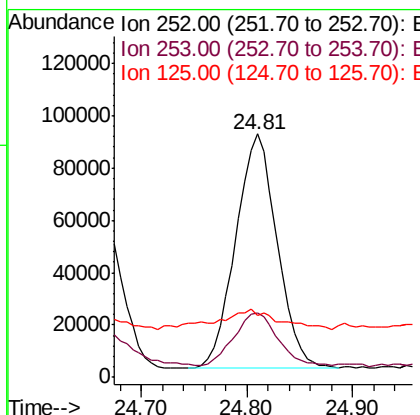
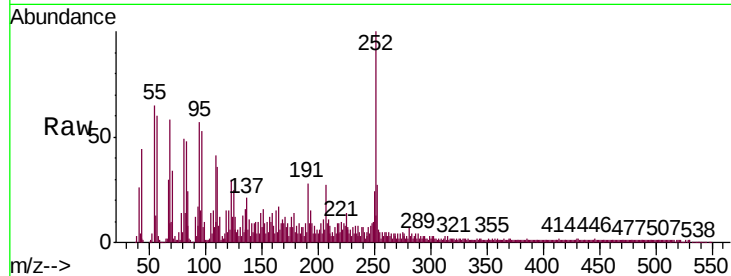
#90
Benzo(a)pyrene
Concen: 10.329 ng
RT: 24.81 min Scan# 3697
Delta R.T. 0.02 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Instrument :
BNA_G
ClientSampleId :
T4-C-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	25.5	6.7	10.1

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#92
Benzo(g,h,i)perylene
Concen: 5.628 ng
RT: 29.84 min Scan# 4553
Delta R.T. 0.04 min
Lab File: BG042372.D
Acq: 21 Aug 2019 00:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	33.6	19.8	29.8
138	24.1	12.8	19.2

