

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
 Data File : BG042373.D
 Acq On : 21 Aug 2019 1:04
 Operator : HP/JU
 Sample : K4388-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 21 05:52:17 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	68202	20.00	ng	0.00
21) Naphthalene-d8	10.84	136	264906	20.00	ng	0.01
39) Acenaphthene-d10	14.67	164	177945	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	346357	20.00	ng	0.00
76) Chrysene-d12	21.70	240	362652	20.00	ng	0.00
87) Perylene-d12	24.96	264	437789	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	307944	91.48	ng	0.01
7) Phenol-d6	7.18	99	419497	91.76	ng	0.02
23) Nitrobenzene-d5	9.18	82	232977	61.86	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	217026	89.55	ng	0.01
45) 2-Fluorobiphenyl	13.29	172	580602	55.21	ng	0.00
79) Terphenyl-d14	20.03	244	787082	47.54	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.12	163	33532	2.652	ng	Qvalue # 96
71) Phenanthrene	17.46	178	158191	9.171	ng	98
75) Fluoranthene	19.48	202	494839	23.789	ng	99
78) Pyrene	19.84	202	435136	19.500	ng	99
81) Benzo(a)anthracene	21.68	228	275257	12.360	ng	97
83) Chrysene	21.75	228	283791	13.321	ng	99
84) Bis(2-ethylhexyl)phthalate	21.58	149	26192	2.124	ng	# 86
86) Indeno(1,2,3-cd)pyrene	28.66	276	211880	7.449	ng	# 95
88) Benzo(b)fluoranthene	23.93	252	416565	17.311	ng	# 96
89) Benzo(k)fluoranthene	23.98	252	154097m	6.551	ng	
90) Benzo(a)pyrene	24.80	252	278636	12.084	ng	# 92
91) Dibenzo(a,h)anthracene	28.70	278	55340m	2.406	ng	
92) Benzo(a,h,i)perylene	29.81	276	204218	8.909	ng	95

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

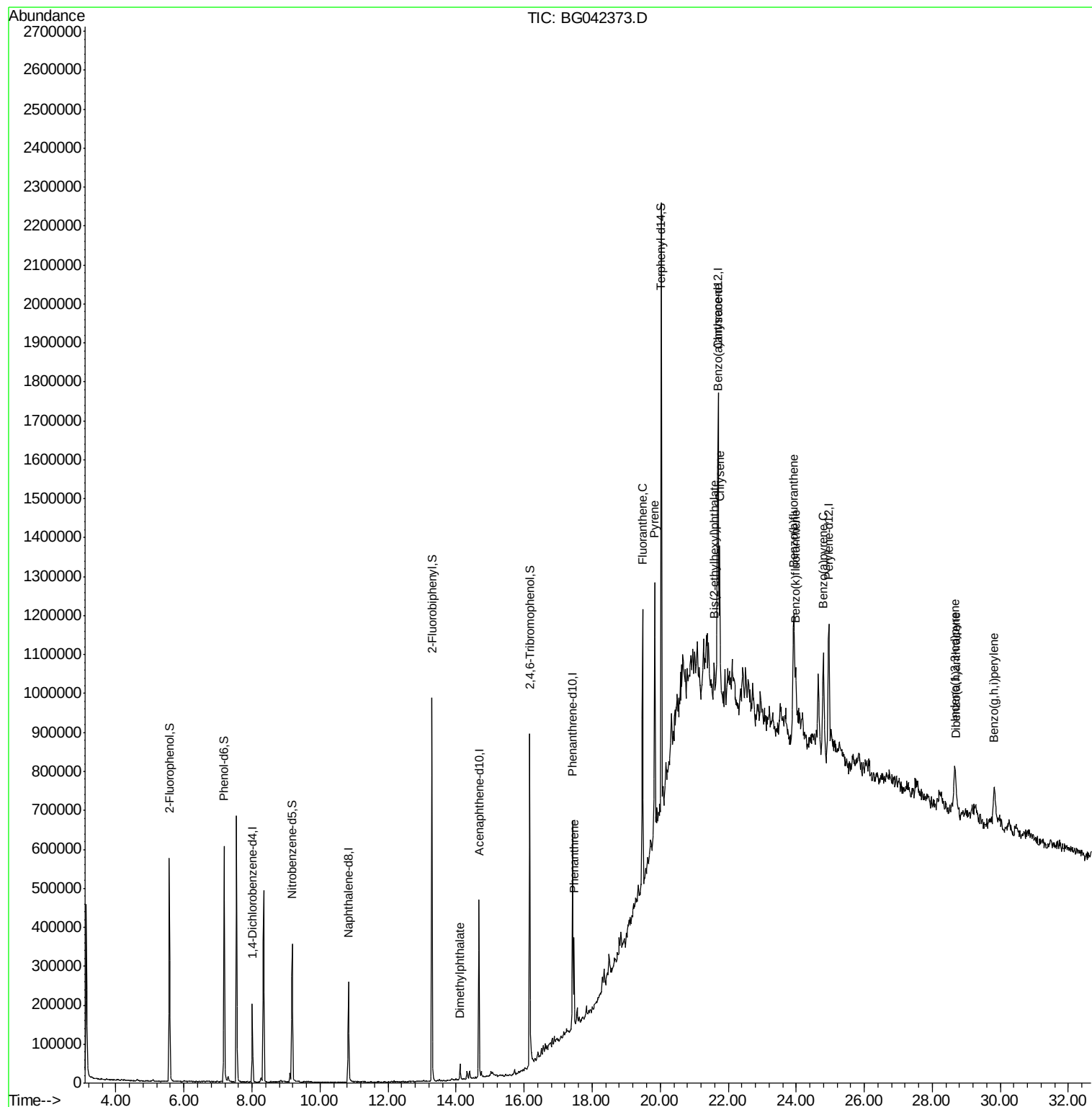
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082019\
Data File : BG042373.D
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ALS Vial : 13 Sample Multiplier: 1

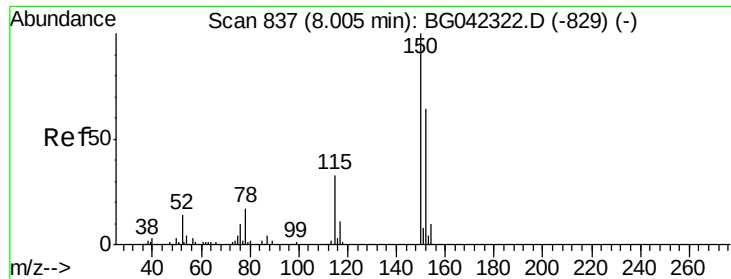
Instrument :
BNA_G
ClientSampleId :
T4-E-(0-2)

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#1

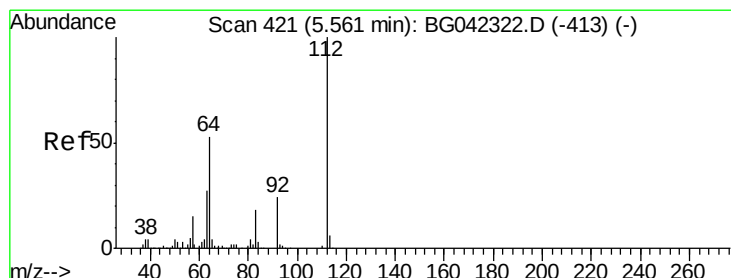
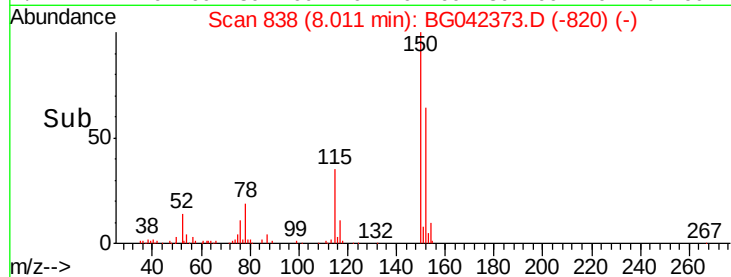
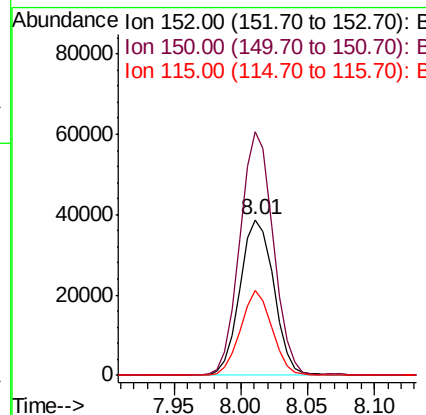
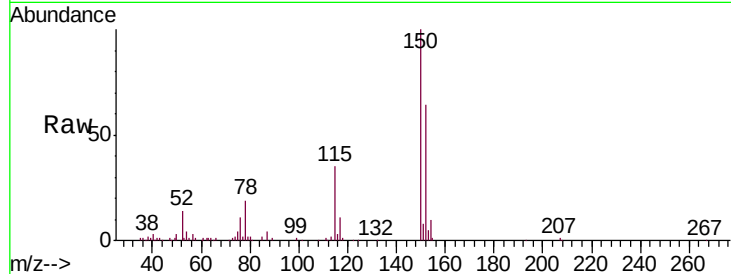
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.3	186.5
115	54.9	40.5	60.7

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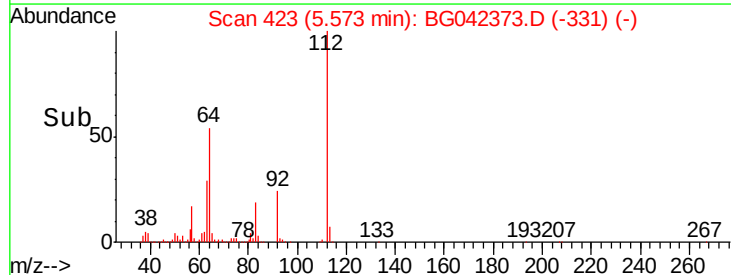
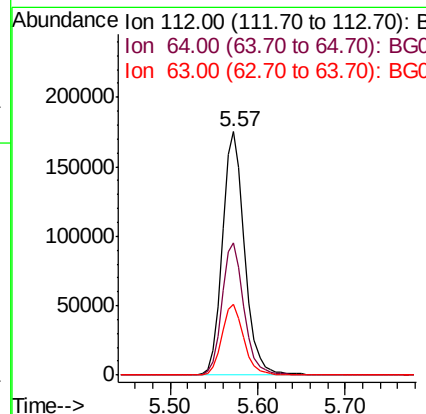
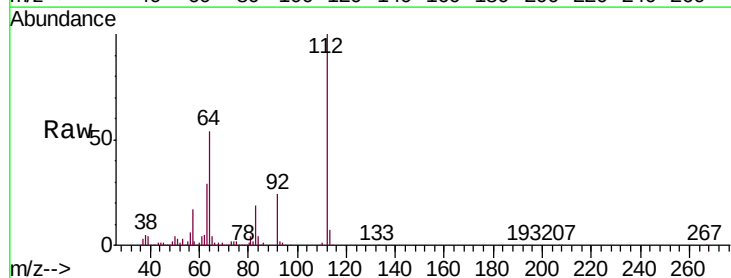
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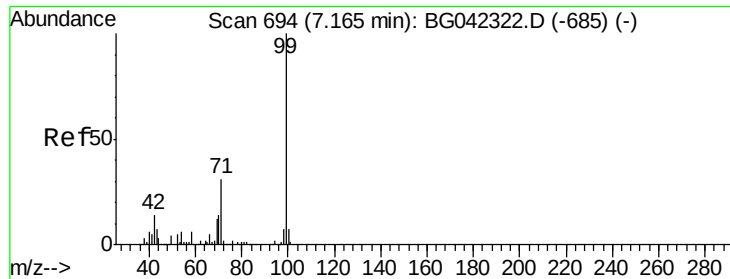


#5

2-Fluorophenol
Concen: 91.482 ng
RT: 5.57 min Scan# 423
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	42.5	63.7
63	29.0	21.7	32.5





#7

Phenol-d6

Concen: 91.760 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.02 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Instrument :

BNA_G

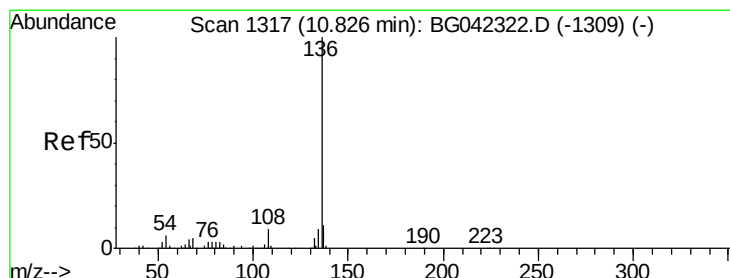
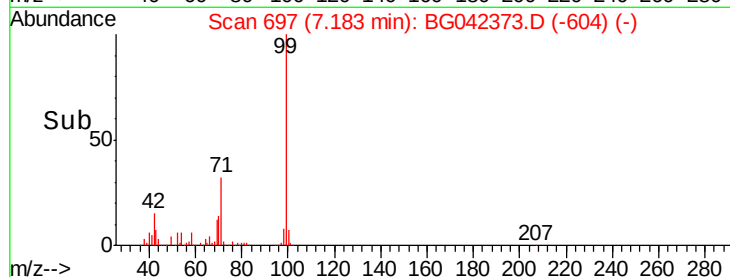
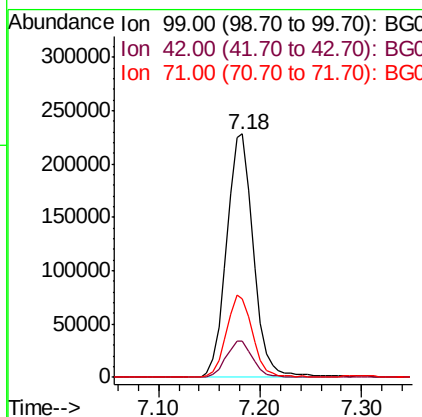
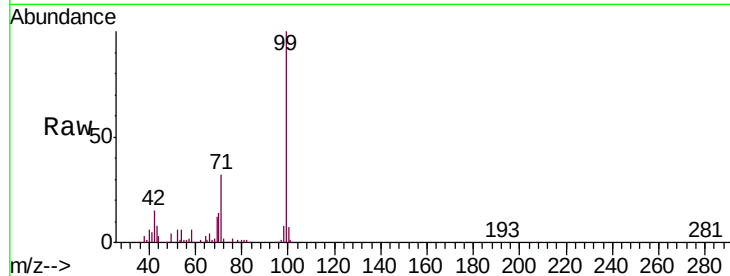
ClientSampleId :

T4-E-(0-2)

Tot Ion:	99	Resp:	419497
Ion	Ratio	Lower	Upper
99	100		
42	14.8	11.4	17.0
71	32.0	25.1	37.7

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#21

Naphthalene-d8

Concen: 20.000 ng

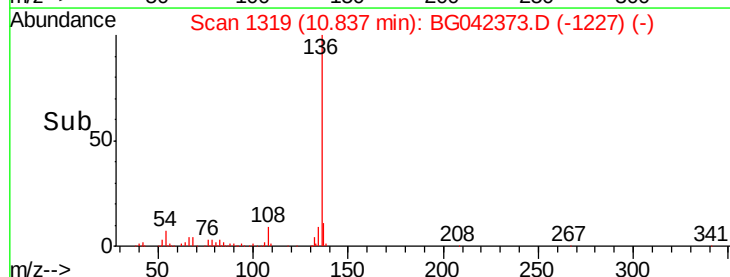
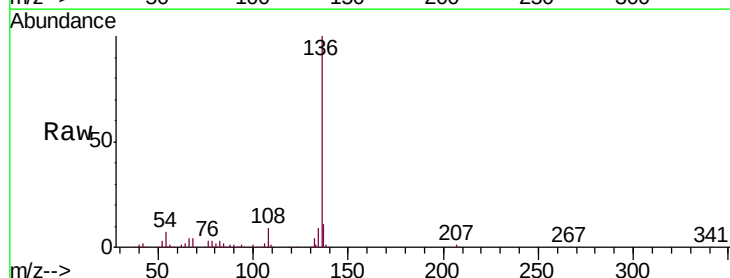
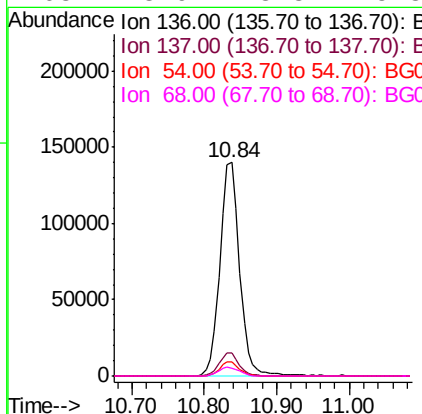
RT: 10.84 min Scan# 1319

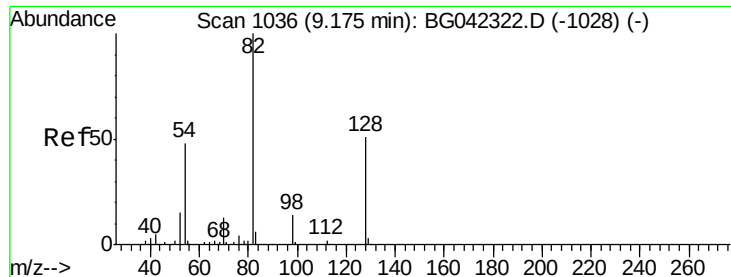
Delta R.T. 0.01 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Tgt Ion:	136	Resp:	264906
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.7	5.0	7.4
68	3.9	3.8	5.8





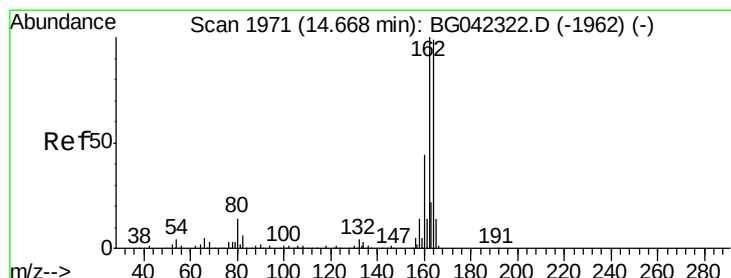
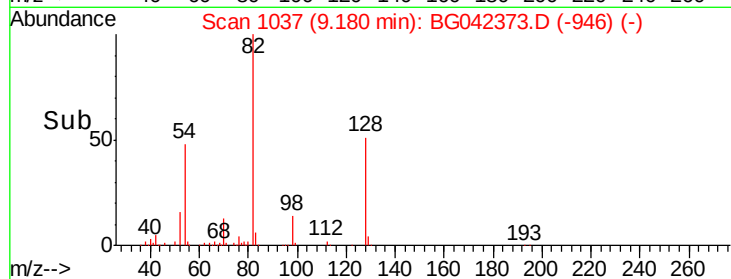
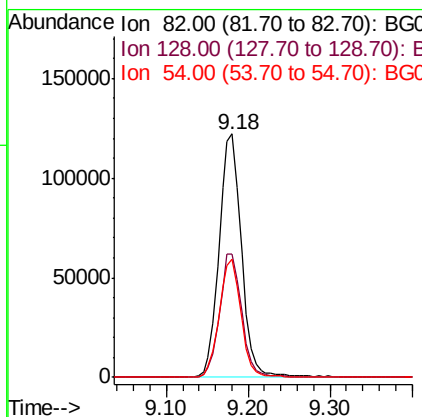
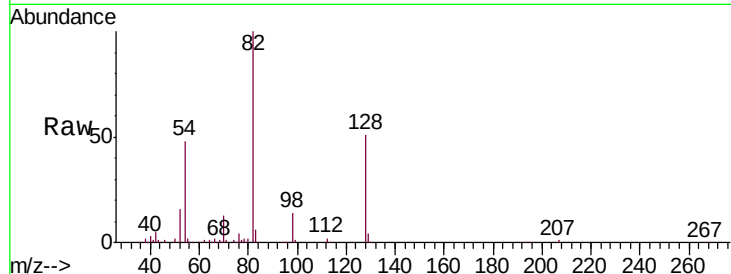
#23
Nitrobenzene-d5
Concen: 61.856 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.9	41.0	61.4
54	48.3	38.0	57.0

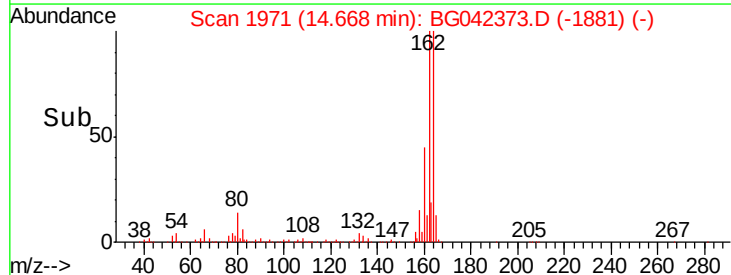
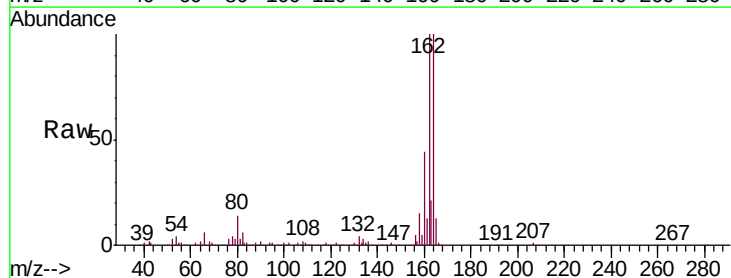
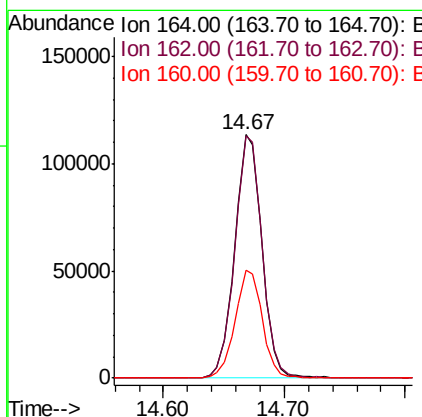
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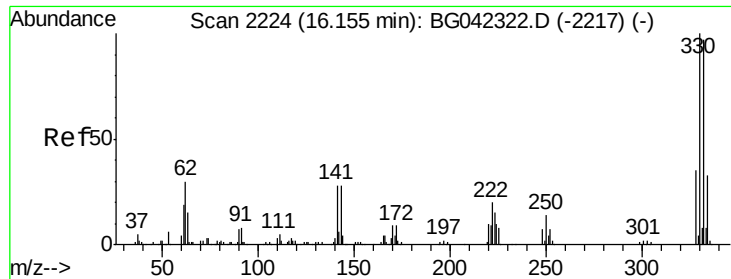
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	44.4	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 89.548 ng

RT: 16.17 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Instrument :

BNA_G

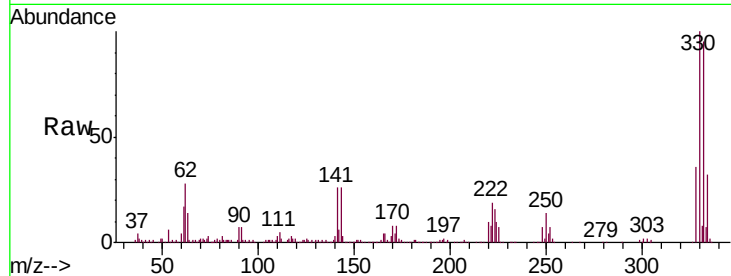
ClientSampleId :

T4-E-(0-2)

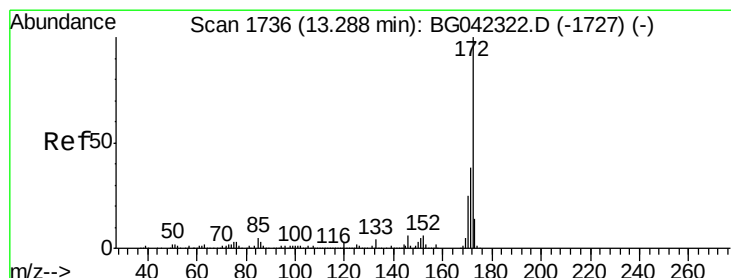
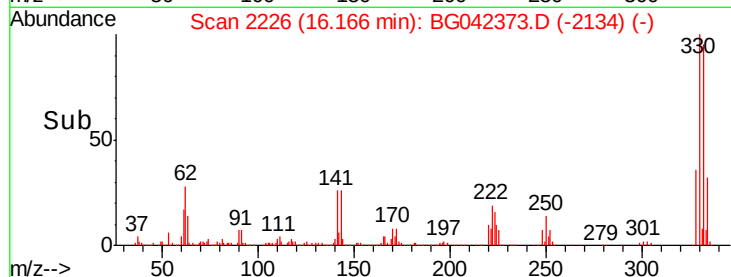
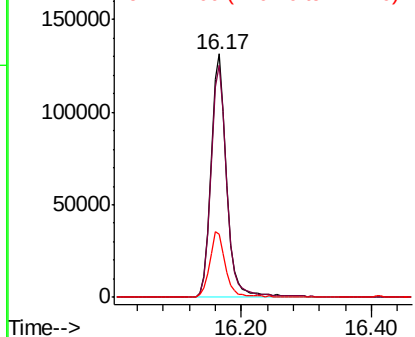
Tot Ion:	330	Resp:	217026
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.9	115.3
141	27.7	21.8	32.6

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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: 55.212 ng

RT: 13.29 min Scan# 1736

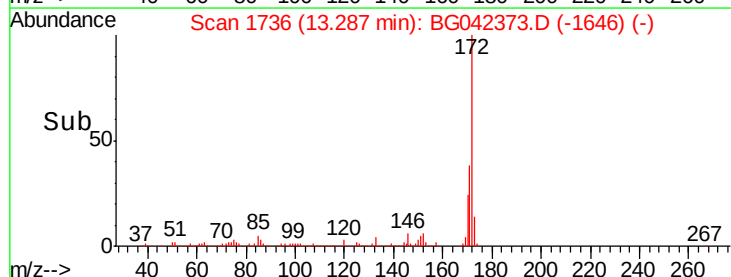
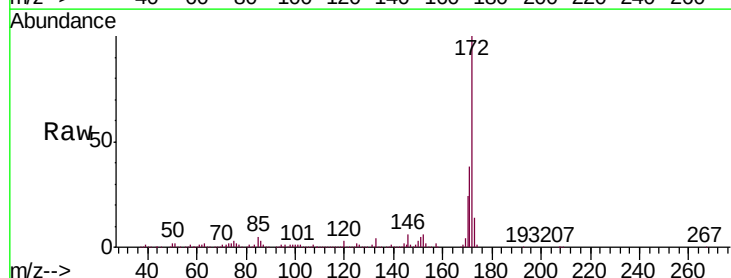
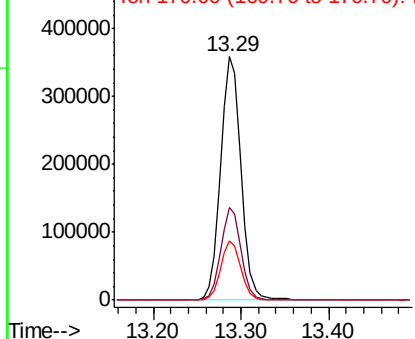
Delta R.T. -0.00 min

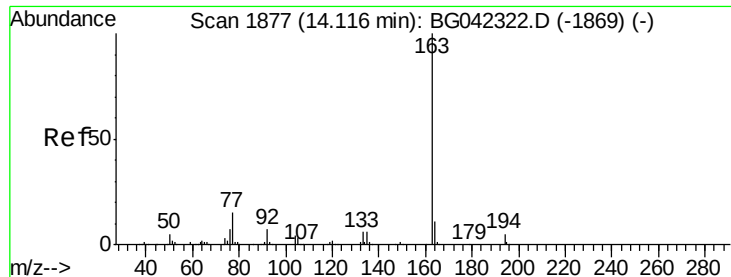
Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Tgt Ion:	172	Resp:	580602
Ion Ratio	Lower	Upper	
172	100		
171	37.9	30.3	45.5
170	24.4	20.0	30.0

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





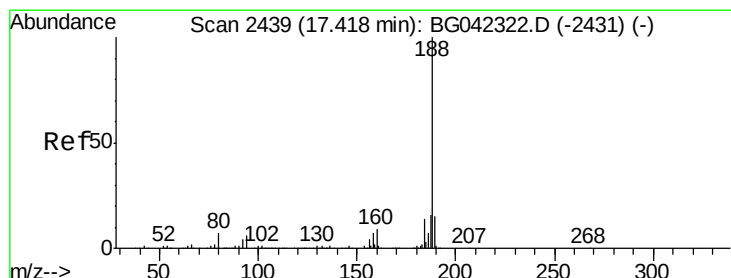
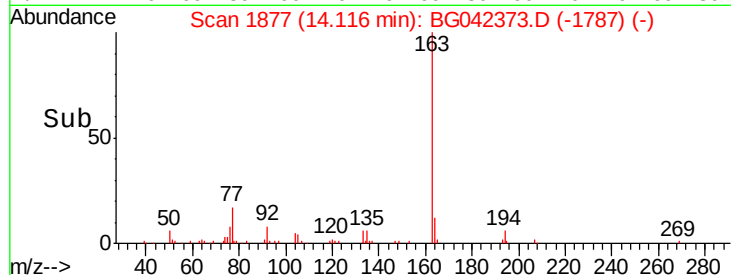
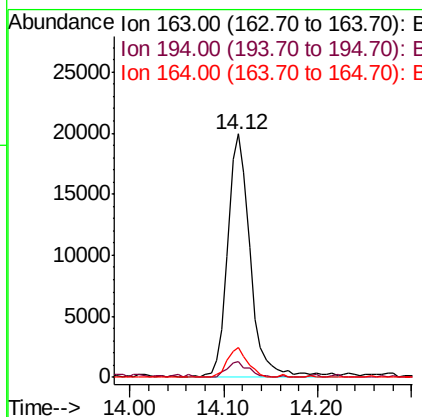
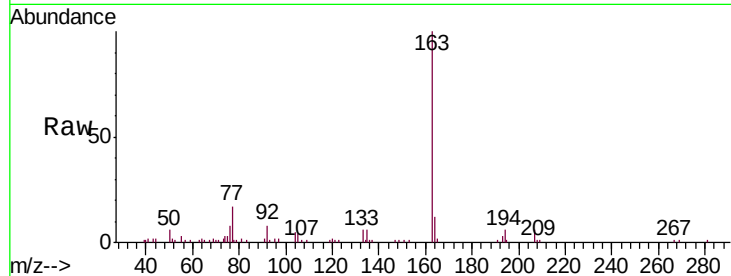
#50
Dimethylphthalate
Concen: 2.652 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.00 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Instrument :
BNA_G
ClientSampled :
T4-E-(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	6.3	4.2	6.2#		
164	12.5	8.8	13.2		

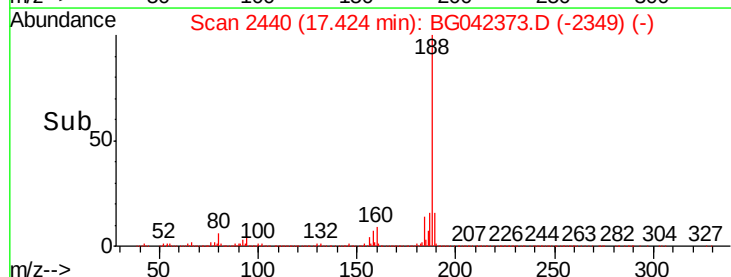
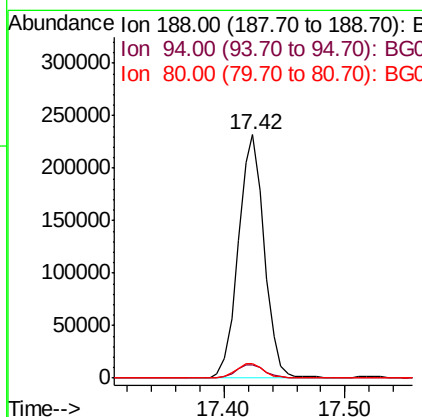
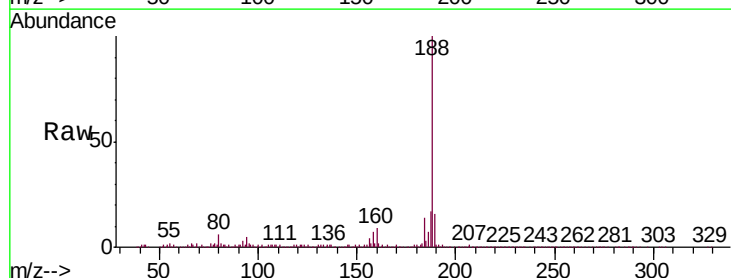
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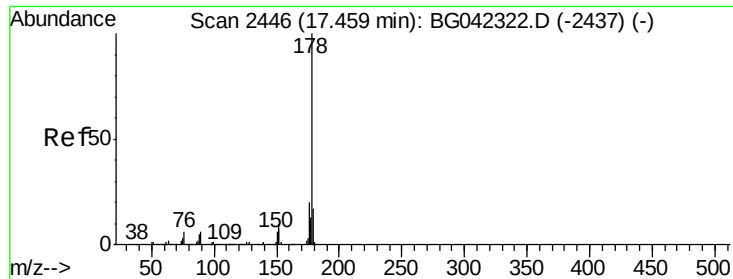
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	5.4	4.9	7.3		
80	6.0	5.4	8.0		





#71

Phenanthrene

Concen: 9.171 ng

RT: 17.46 min Scan# 2447

Delta R.T. 0.01 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Instrument :

BNA_G

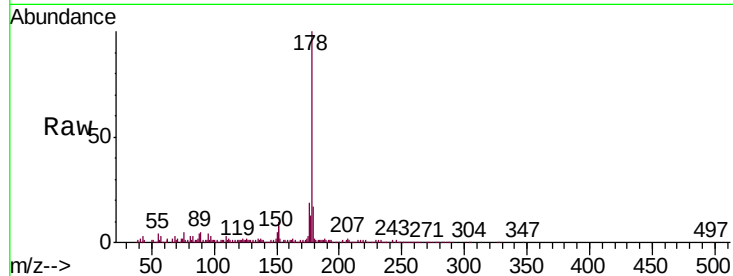
ClientSampleId :

T4-E-(0-2)

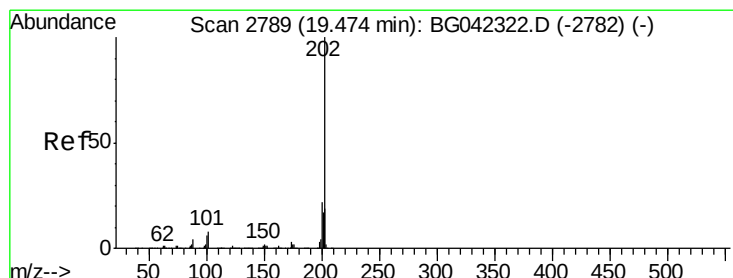
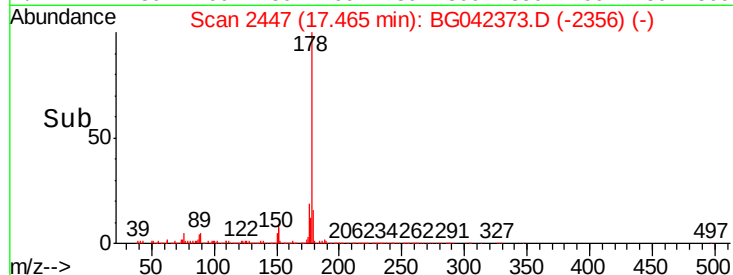
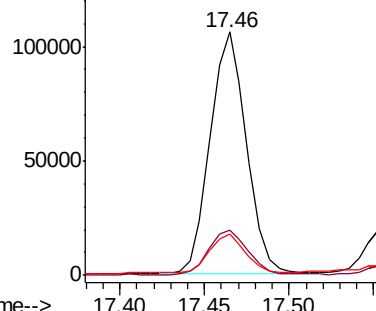
Tot Ion:	178	Resp:	158191
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.2	24.4
179	16.9	13.7	20.5

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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: 23.789 ng

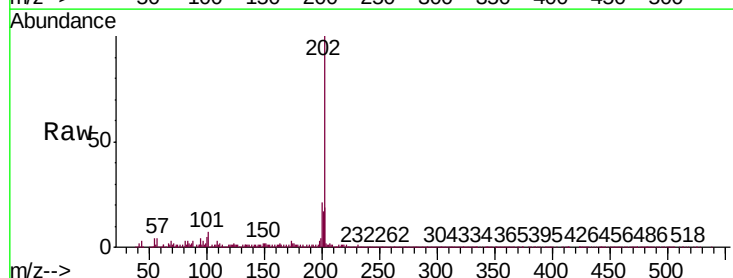
RT: 19.48 min Scan# 2790

Delta R.T. 0.01 min

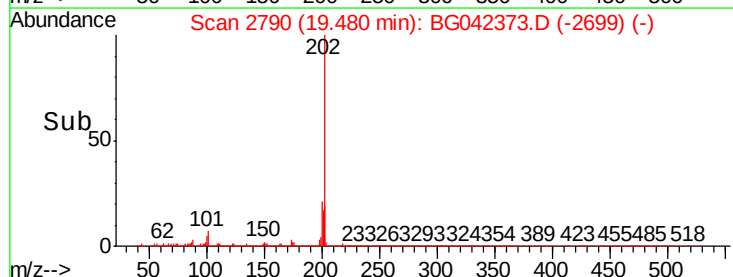
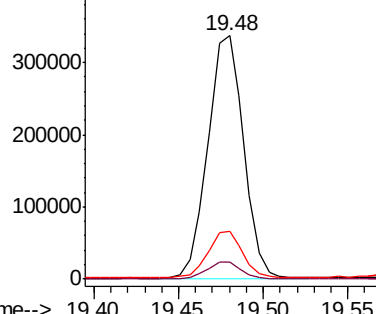
Lab File: BG042373.D

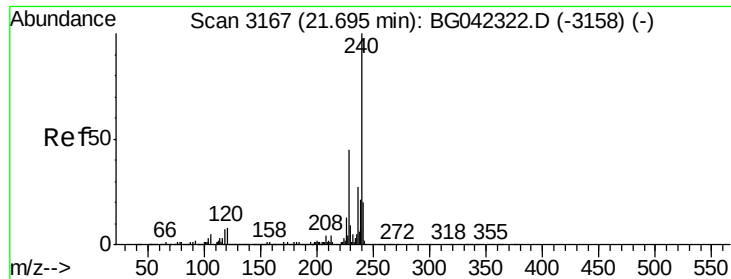
Acq: 21 Aug 2019 1:04

Tgt Ion:	202	Resp:	494839
Ion Ratio	Lower	Upper	
202	100		
101	6.9	0.0	28.0
203	19.4	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





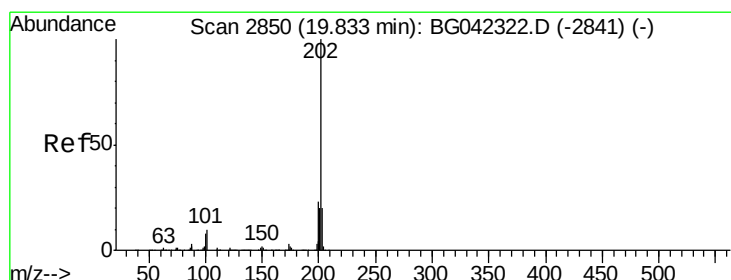
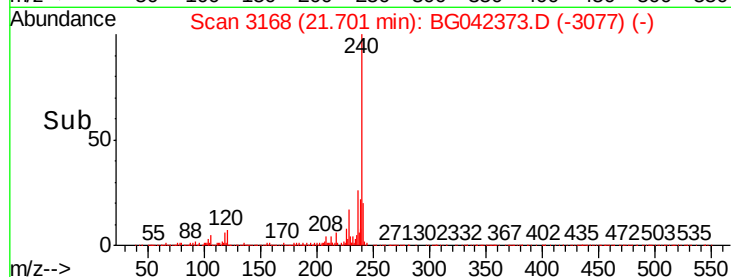
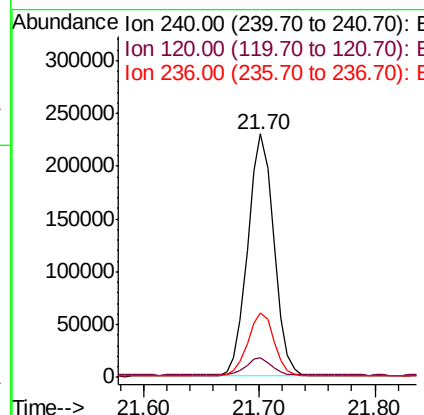
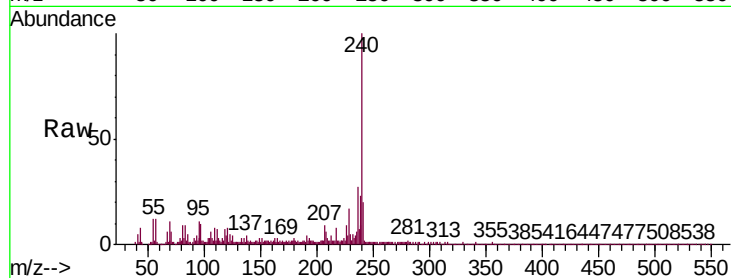
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

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

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	8.0	6.0	9.0
236	26.6	21.6	32.4

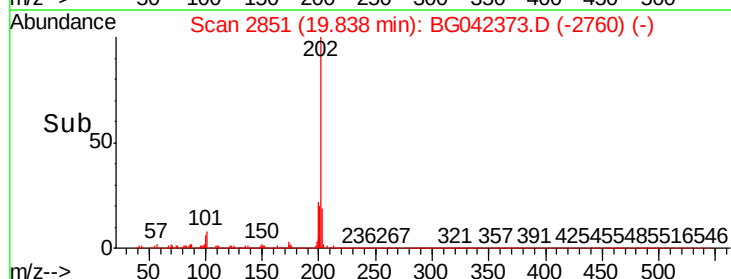
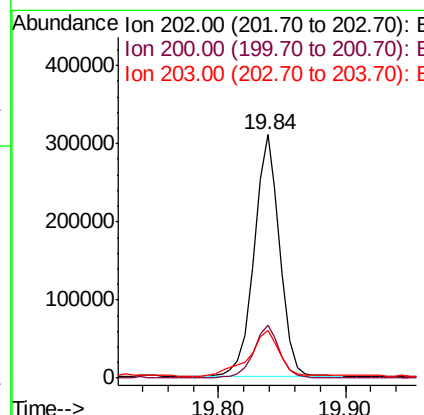
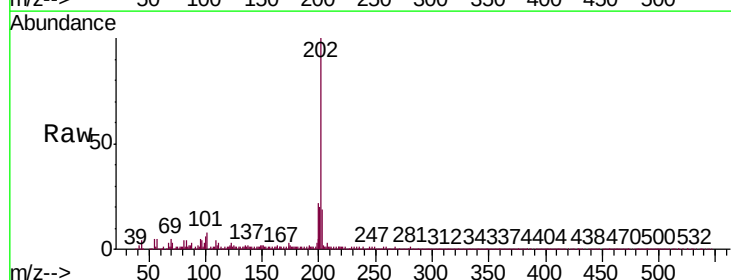
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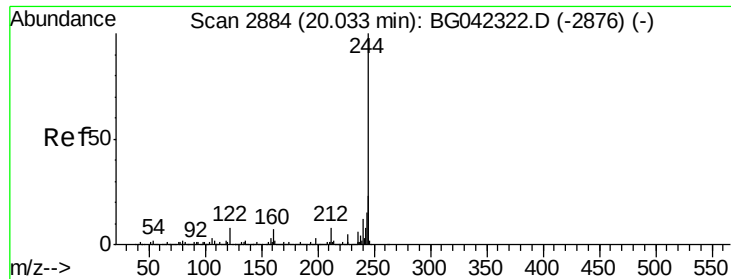
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#78
Pyrene
Concen: 19.500 ng
RT: 19.84 min Scan# 2851
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.9	18.1	27.1
203	19.4	15.8	23.8





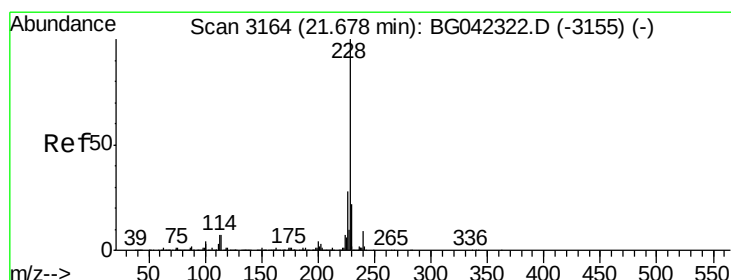
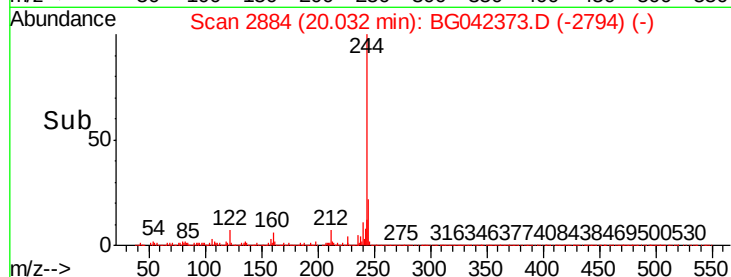
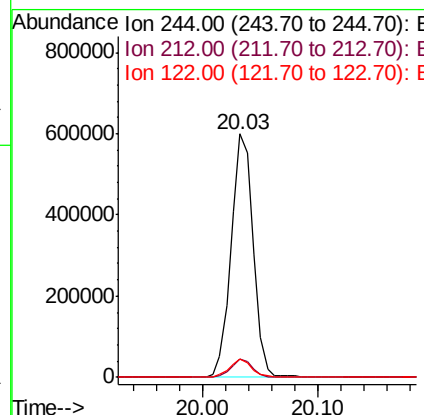
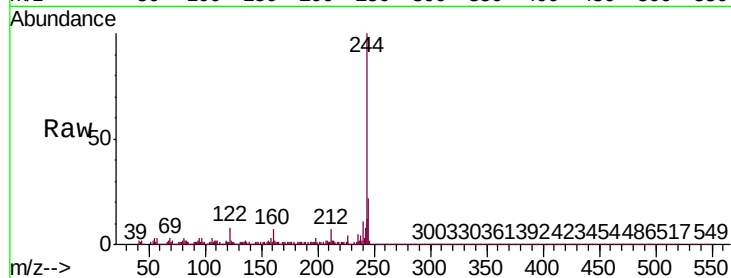
#79
 Terphenyl-d14
 Concen: 47.537 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. -0.00 min
 Lab File: BG042373.D
 Acq: 21 Aug 2019 1:04

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

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.4	9.6
122	7.6	6.6	10.0

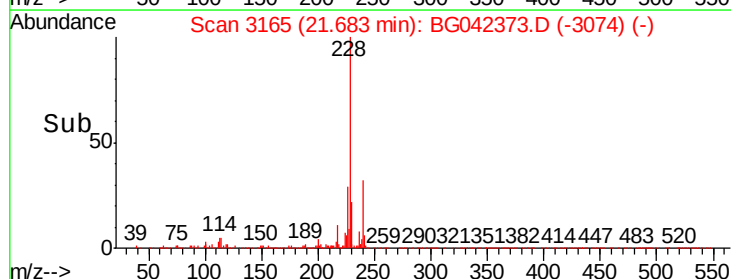
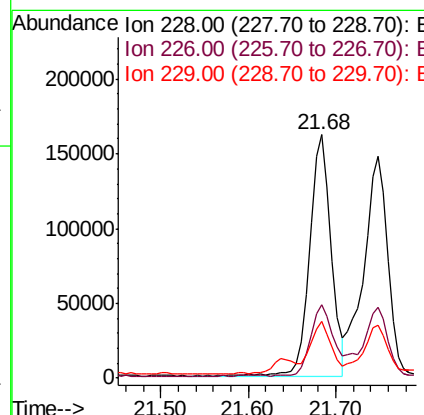
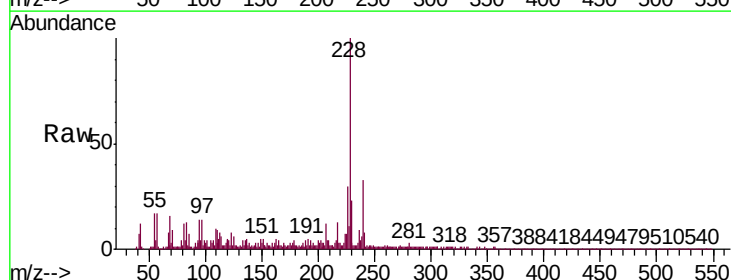
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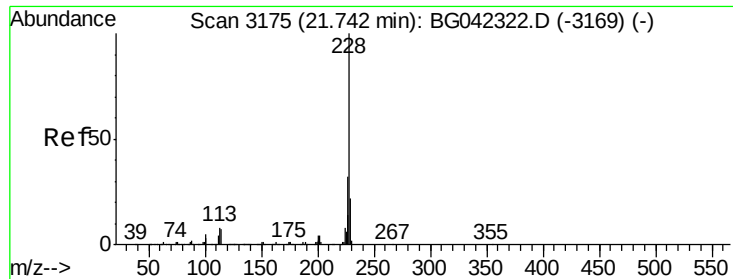
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#81
 Benzo(a)anthracene
 Concen: 12.360 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. 0.01 min
 Lab File: BG042373.D
 Acq: 21 Aug 2019 1:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.7	34.1
229	23.4	17.4	26.2





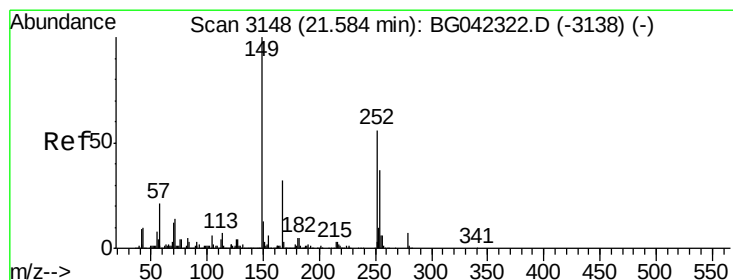
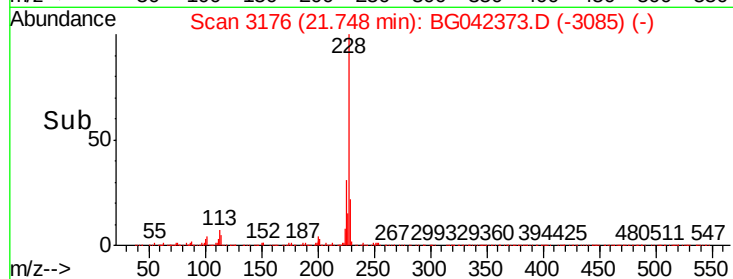
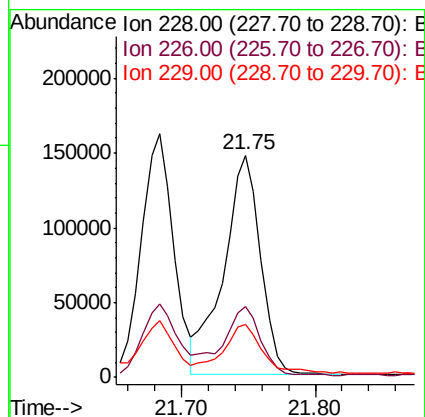
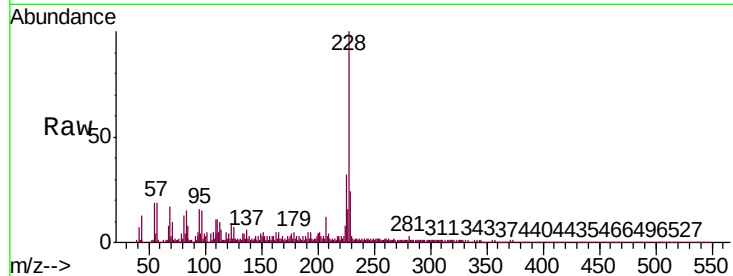
#83
Chrysene
Concen: 13.321 ng
RT: 21.75 min Scan# 3176
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

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

Tot Ion:	228	Resp:	283791
Ion Ratio	Lower	Upper	
228	100		
226	32.0	25.6	38.4
229	23.9	17.8	26.6

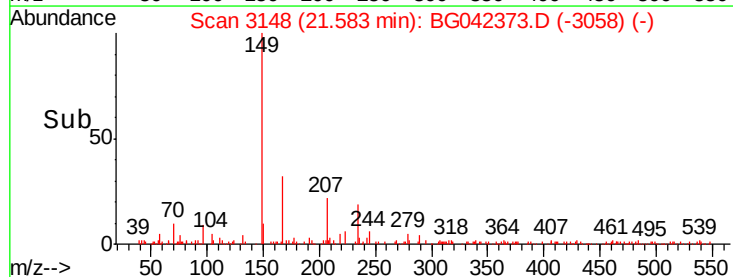
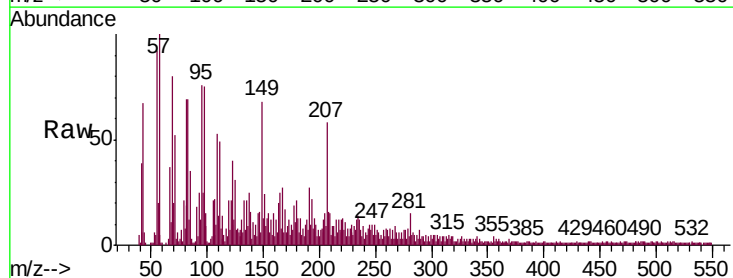
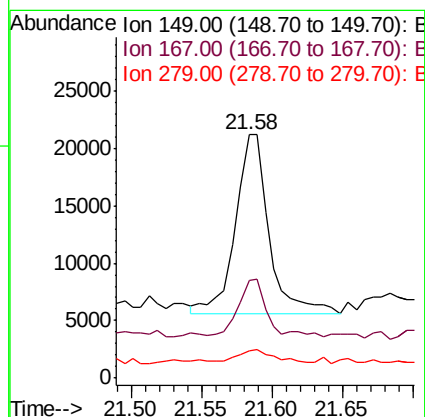
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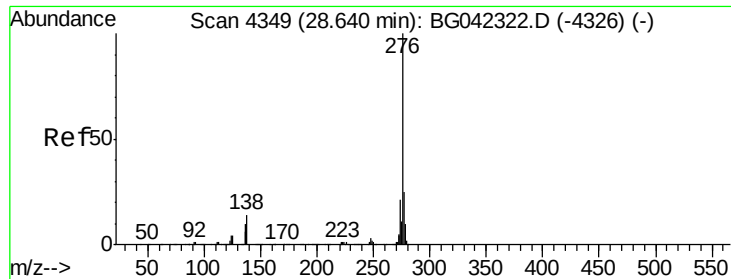
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.124 ng
RT: 21.58 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Tgt Ion:	149	Resp:	26192
Ion Ratio	Lower	Upper	
149	100		
167	39.9	25.4	38.0#
279	11.3	5.8	8.6#





#86

Indeno(1,2,3-cd)pyrene

Concen: 7.449 ng

RT: 28.66 min Scan# 4353

Delta R.T. 0.02 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Instrument :

BNA_G

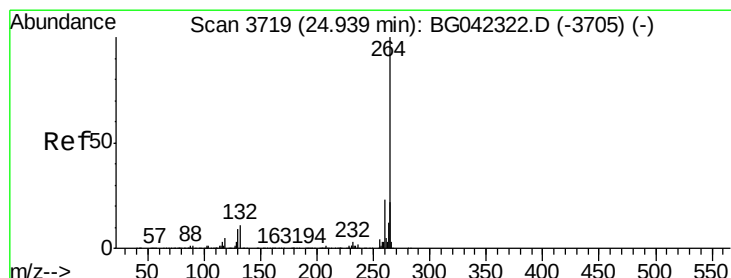
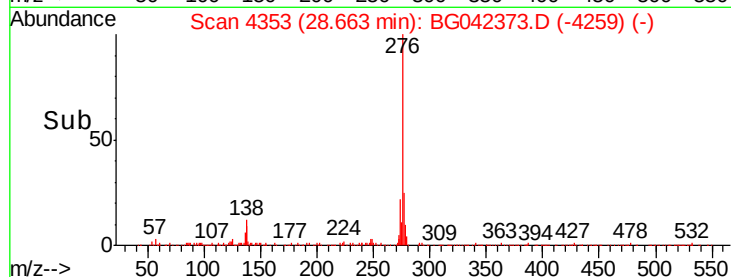
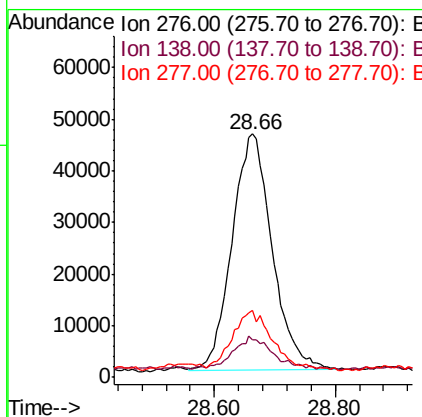
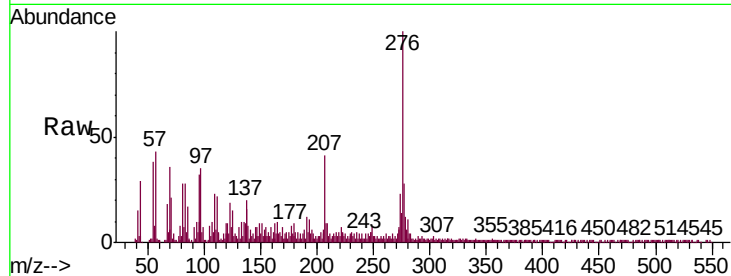
ClientSampleId :

T4-E-(0-2)

Tot Ion:	276	Resp:	211880
Ion Ratio	Lower	Upper	
276	100		
138	13.6	14.5	21.7#
277	25.5	21.0	31.4

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#87

Perylene-d12

Concen: 20.000 ng

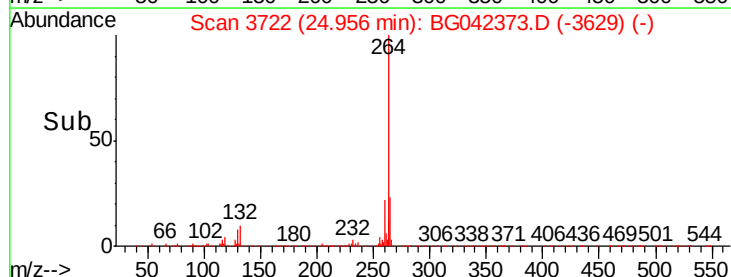
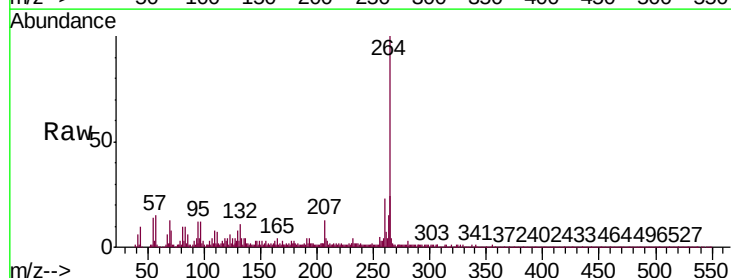
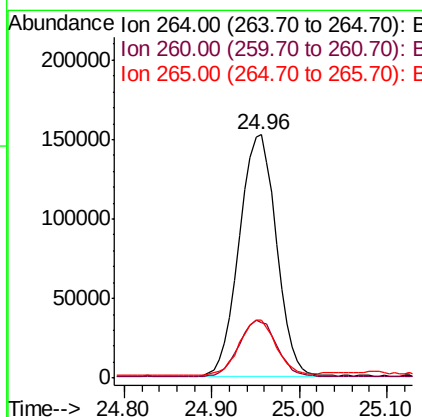
RT: 24.96 min Scan# 3722

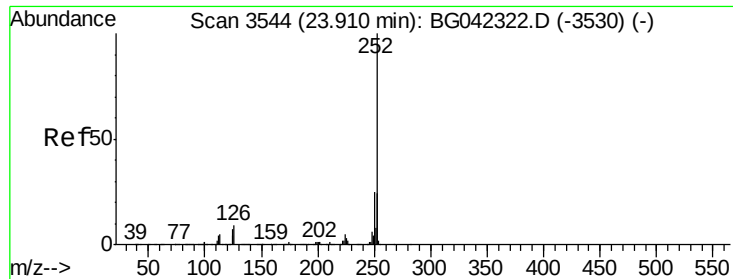
Delta R.T. 0.02 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Tgt Ion:	264	Resp:	437789
Ion Ratio	Lower	Upper	
264	100		
260	22.8	18.4	27.6
265	23.6	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 17.311 ng

RT: 23.93 min Scan# 3547

Delta R.T. 0.02 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Instrument :

BNA_G

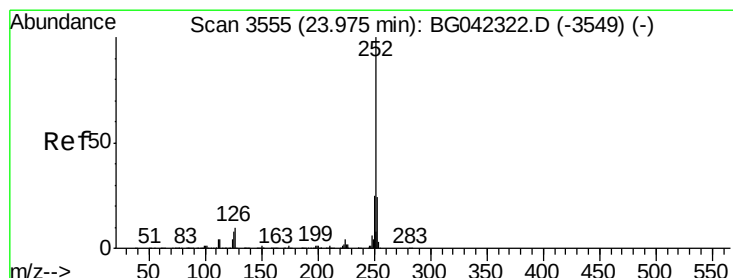
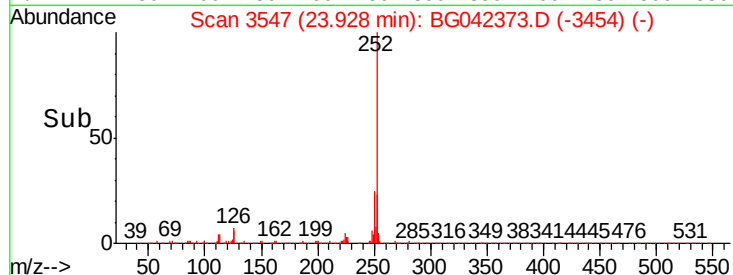
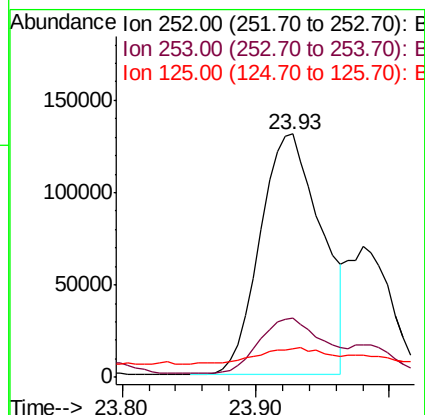
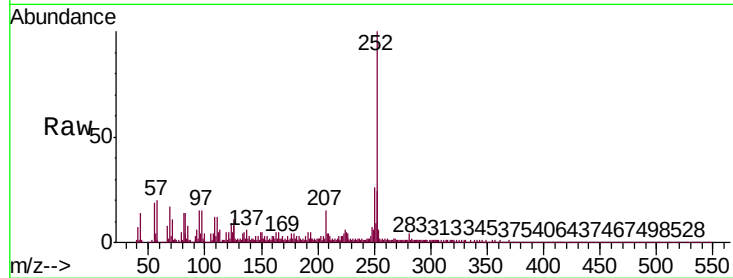
ClientSampleId :

T4-E-(0-2)

Tot Ion:	252	Resp:	416565
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.9	28.3
125	11.5	5.8	8.6#

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#89

Benzo(k)fluoranthene

Concen: 6.551 ng m

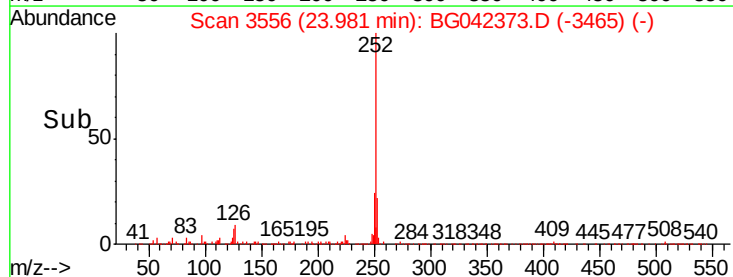
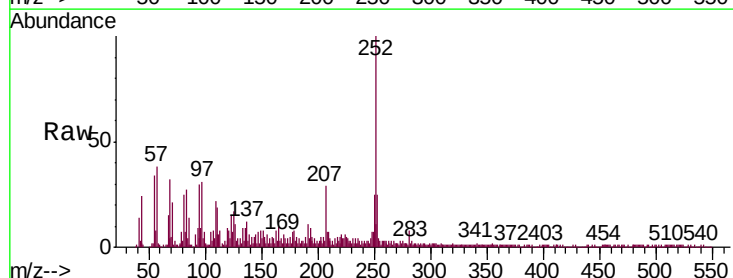
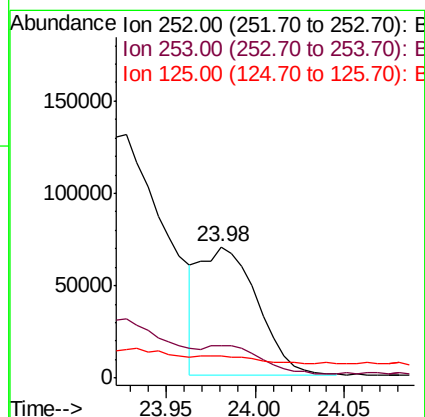
RT: 23.98 min Scan# 3556

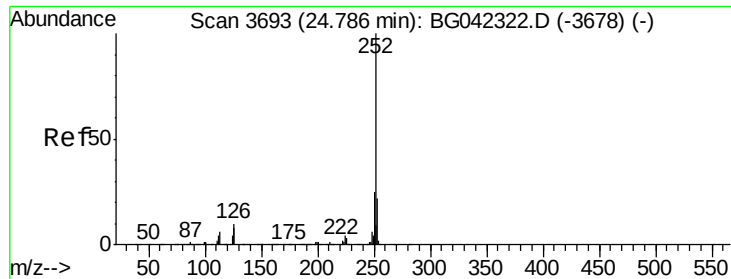
Delta R.T. 0.01 min

Lab File: BG042373.D

Acq: 21 Aug 2019 1:04

Tgt Ion:	252	Resp:	154097
Ion Ratio	Lower	Upper	
252	100		
253	25.0	19.0	28.4
125	17.2	6.0	9.0#





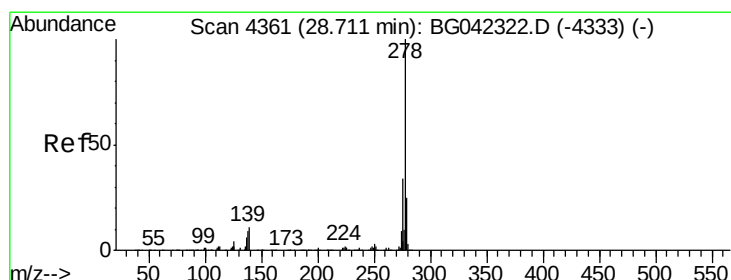
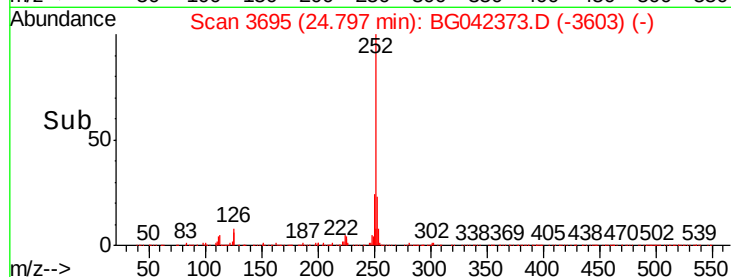
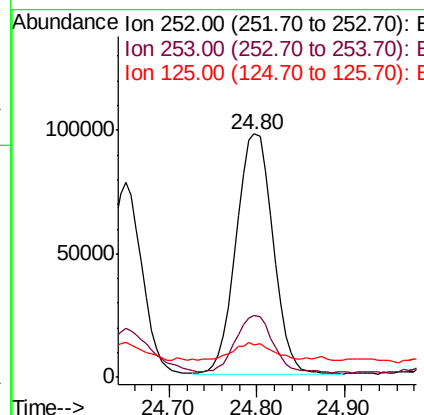
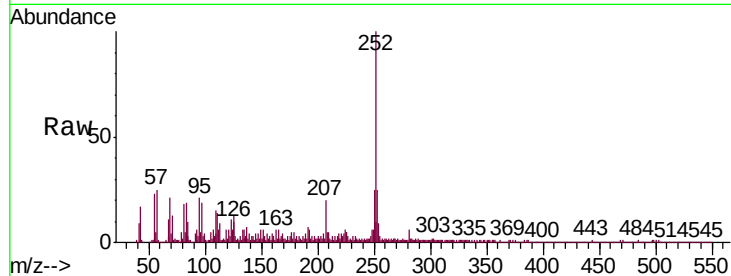
#90
Benzo(a)pyrene
Concen: 12.084 ng
RT: 24.80 min Scan# 3695
Delta R.T. 0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Instrument :
BNA_G
ClientSampled :
T4-E-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.4	17.9	26.9	
125	13.4	6.7	10.1	

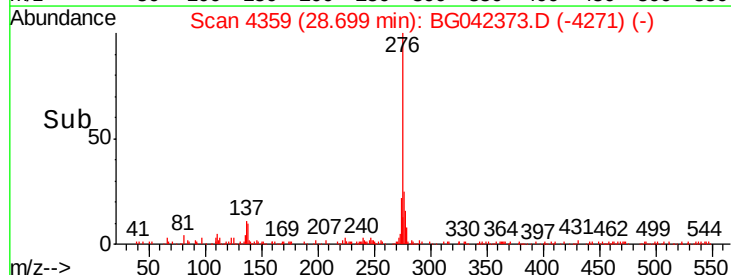
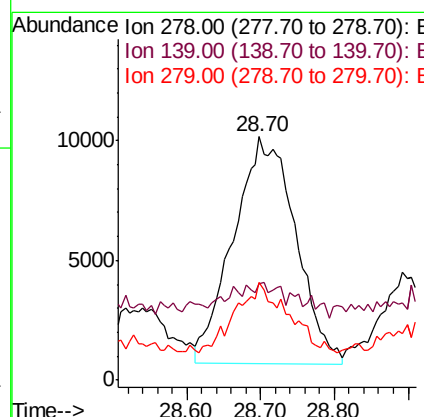
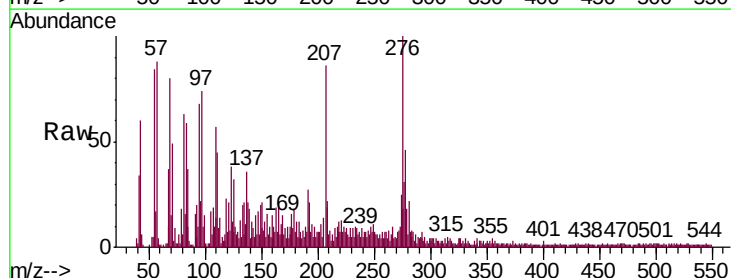
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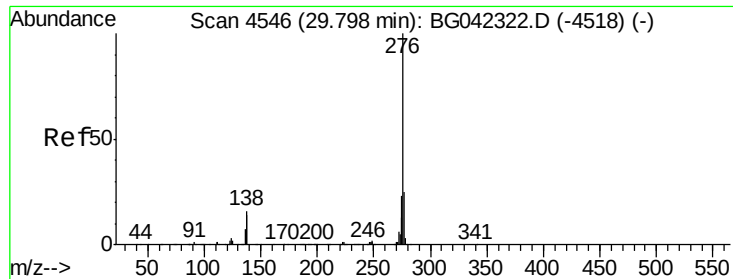
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#91
Dibenzo(a,h)anthracene
Concen: 2.406 ng m
RT: 28.70 min Scan# 4359
Delta R.T. -0.01 min
Lab File: BG042373.D
Acq: 21 Aug 2019 1:04

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	39.6	8.5	12.7	
279	40.0	19.8	29.8	





#92
 Benzo(a,h,i)perylene
 Concen: 8.909 ng
 RT: 29.81 min Scan# 4549
 Delta R.T. 0.02 min
 Lab File: BG042373.D
 Acq: 21 Aug 2019 1:04

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.8	29.8
138	16.7	12.8	19.2

Manual Integrations
 APPROVED

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