

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
 Data File : BG041368.D
 Acq On : 20 Jun 2019 22:10
 Operator : HP/JU
 Sample : K3455-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Manual Integrations
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 6/21/2019 9:59:06 PM

Quant Time: Jun 21 07:18:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	40881	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	161396	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	111536	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	238476	20.00	ng	0.00
76) Chrysene-d12	21.75	240	229512	20.00	ng	0.01
87) Perylene-d12	25.08	264	177521	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	209648	94.23	ng	0.00
7) Phenol-d6	7.24	99	325203	100.84	ng	0.00
23) Nitrobenzene-d5	9.26	82	237001	61.76	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	149070	87.06	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	481257	58.65	ng	0.00
79) Terphenyl-d14	20.06	244	653967	56.47	ng	0.00
Target Compounds						
49) Acenaphthylene	14.45	152	84682	7.687	ng	Qvalue 96
50) Dimethylphthalate	14.16	163	73822	7.439	ng	97
71) Phenanthrene	17.51	178	224971	17.688	ng	98
72) Anthracene	17.60	178	78385	6.251	ng	96
75) Fluoranthene	19.52	202	1099445	65.067	ng	96
78) Pyrene	19.89	202	1125662	72.724	ng	97
81) Benzo(a)anthracene	21.73	228	740285	47.637	ng	98
83) Chrysene	21.80	228	756893	50.647	ng	95
86) Indeno(1,2,3-cd)pyrene	28.90	276	269755	15.214	ng	# 90
88) Benzo(b)fluoranthene	24.02	252	771607	70.136	ng	97
89) Benzo(k)fluoranthene	24.08	252	283423m	26.005	ng	
90) Benzo(a)pyrene	24.92	252	532293	51.231	ng	96
91) Dibenzo(a,h)anthracene	28.93	278	83916m	8.022	ng	
92) Benzo(g,h,i)perylene	30.11	276	248708	24.059	ng	98

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

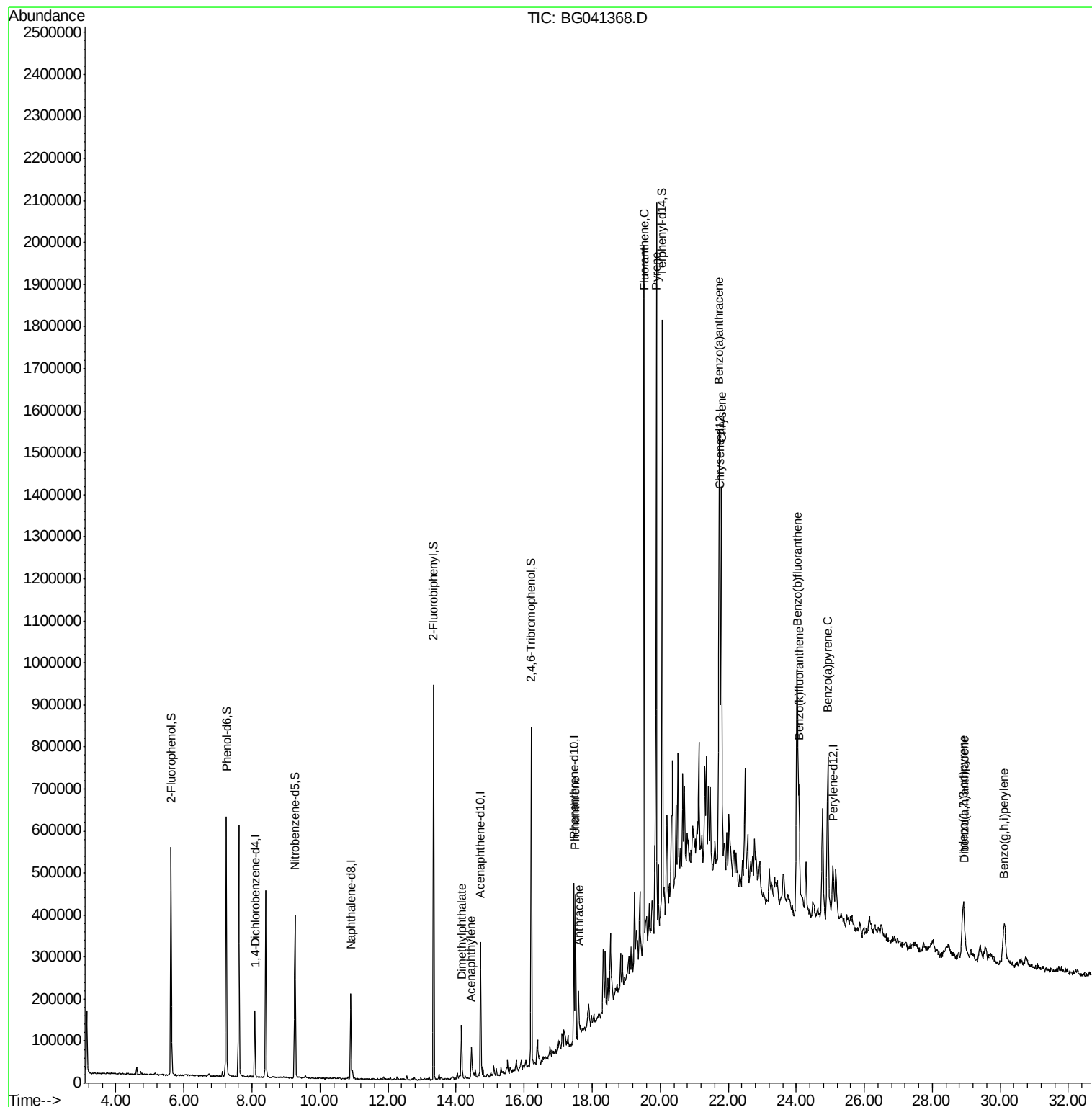
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041368.D
Acq On : 20 Jun 2019 22:10
Operator : HP/JU
Sample : K3455-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

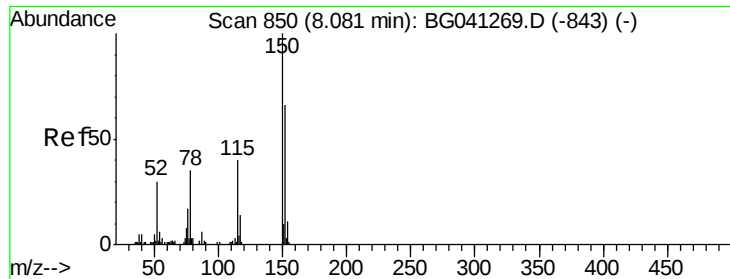
Instrument :
BNA_G
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#1

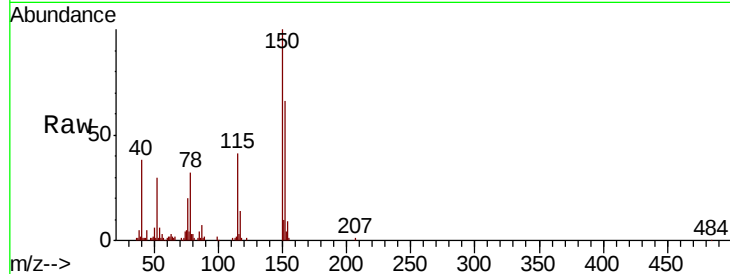
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Instrument :
BNA_G
ClientSampled :
TP-4-GIS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.4	120.6	181.0
115	61.8	47.9	71.9

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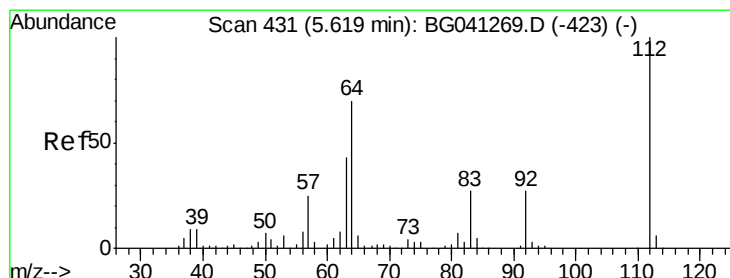
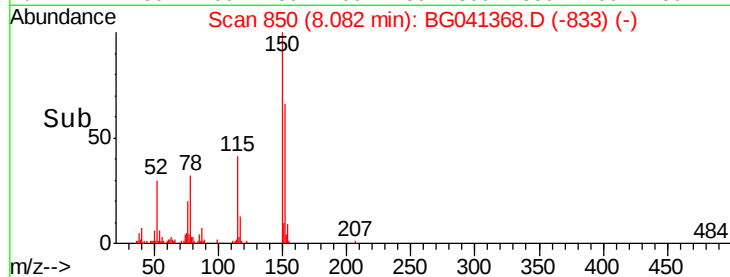
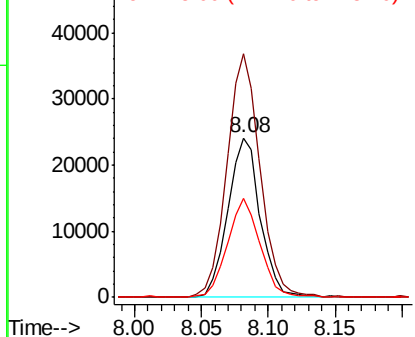


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

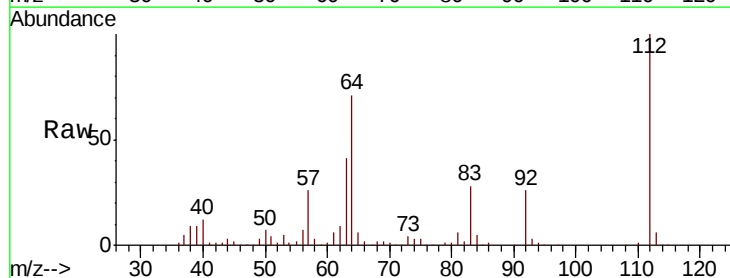
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.227 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	55.9	83.9
63	41.2	34.6	51.8

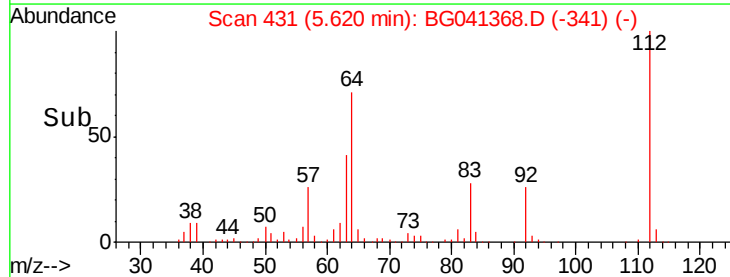
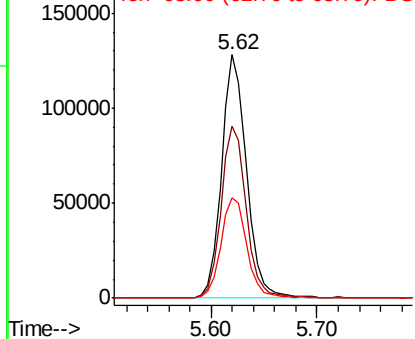


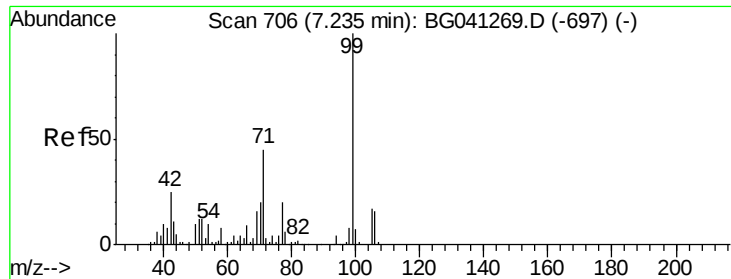
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 100.837 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Instrument :

BNA_G

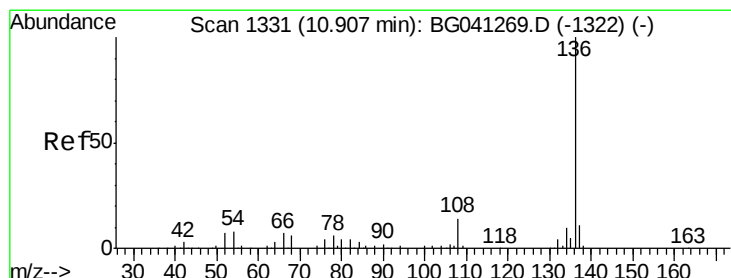
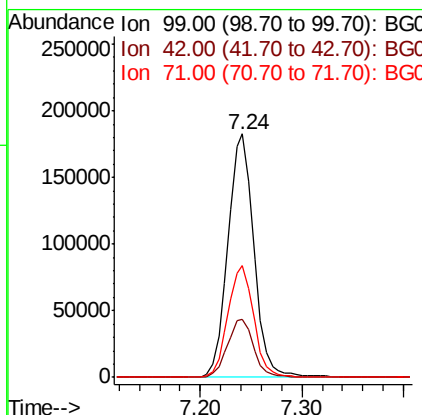
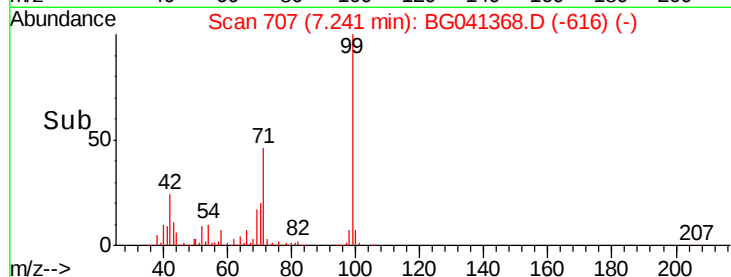
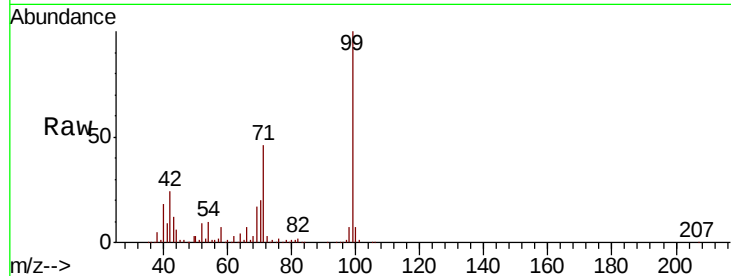
ClientSampled :

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Tgt Ion:	99	Resp:	325203
Ion Ratio	Lower	Upper	
99	100		
42	23.9	19.9	29.9
71	45.9	36.4	54.6

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#21

Naphthalene-d8

Concen: 20.000 ng

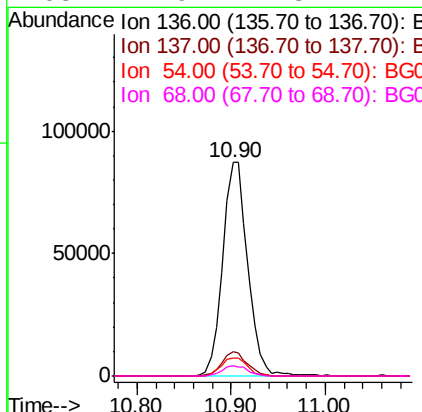
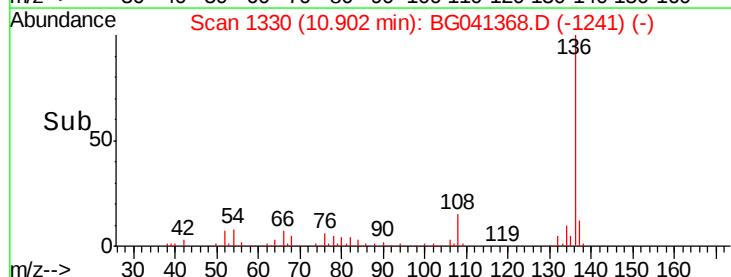
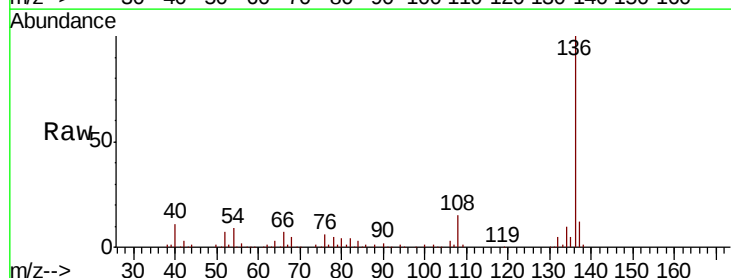
RT: 10.90 min Scan# 1330

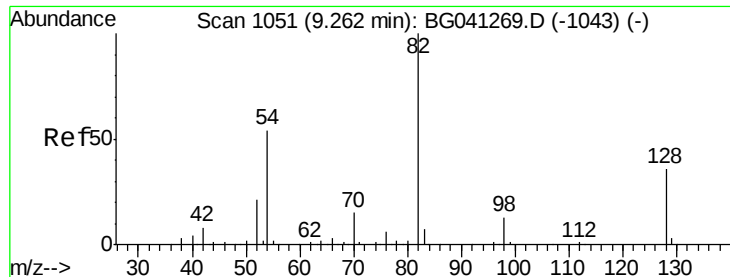
Delta R.T. -0.01 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Tgt Ion:	136	Resp:	161396
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.8	13.2
54	9.1	6.4	9.6
68	4.9	4.8	7.2





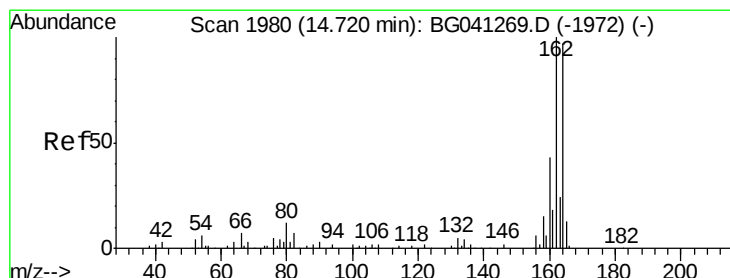
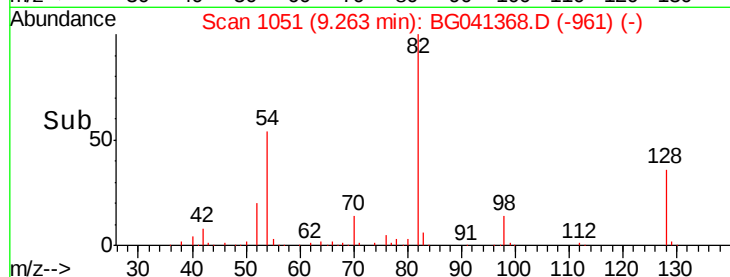
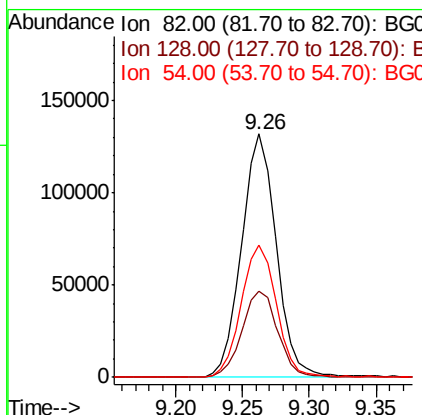
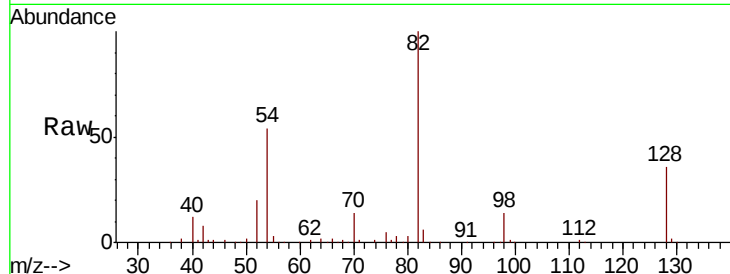
#23
Nitrobenzene-d5
Concen: 61.757 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	237001		
128	35.6	29.2	43.8	
54	54.1	43.4	65.0	

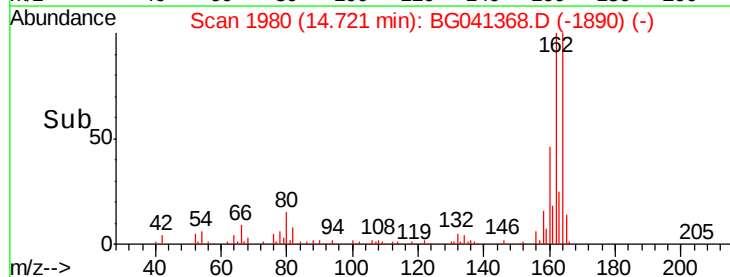
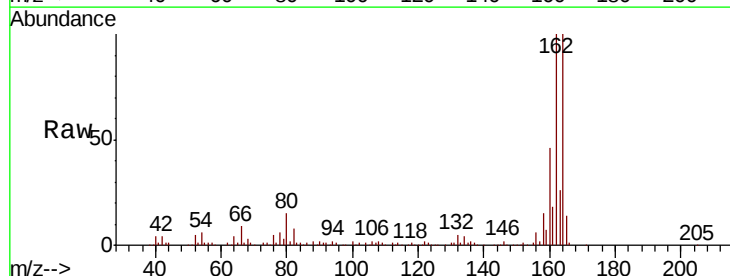
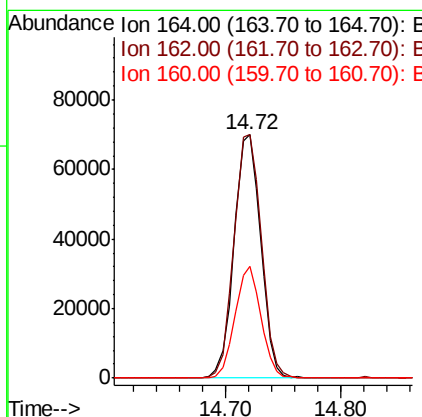
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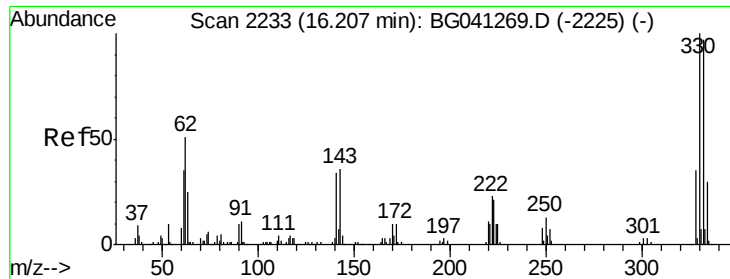
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111536		
162	99.9	82.8	124.2	
160	45.7	35.8	53.8	





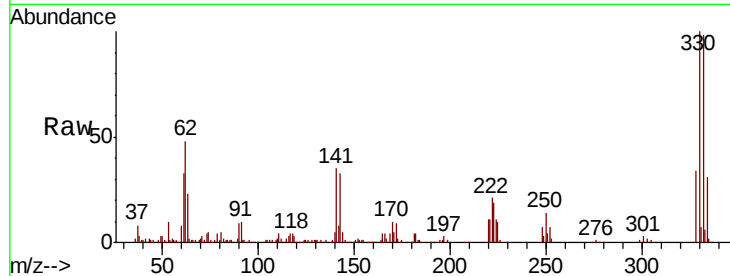
#42
 2,4,6-Tribromophenol
 Concen: 87.057 ng
 RT: 16.21 min Scan# 2234
 Delta R.T. 0.01 min
 Lab File: BG041368.D
 Acq: 20 Jun 2019 22:10

Instrument :
 BNA_G
 ClientSampleId :
 TP-4-GIS

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	149070		
332	96.5	75.5	113.3	
141	37.1	29.0	43.4	

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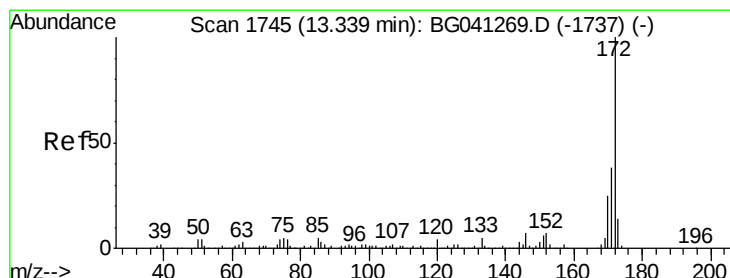
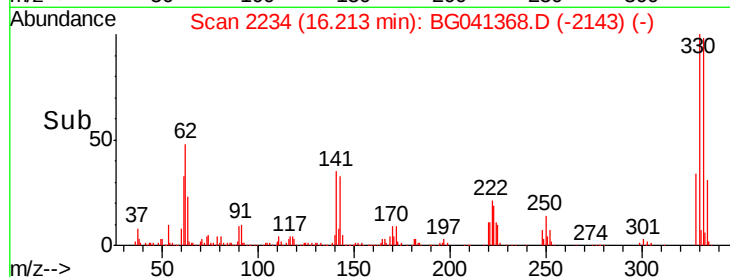
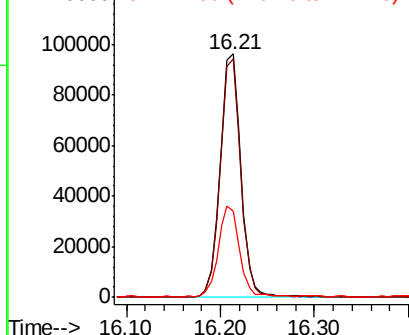


Abundance

Ion 329.80 (329.50 to 330.50): E

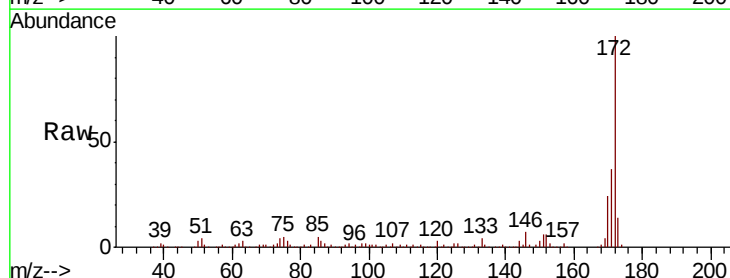
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 58.645 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: BG041368.D
 Acq: 20 Jun 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	481257		
171	37.0	30.0	45.0	
170	24.4	19.8	29.6	

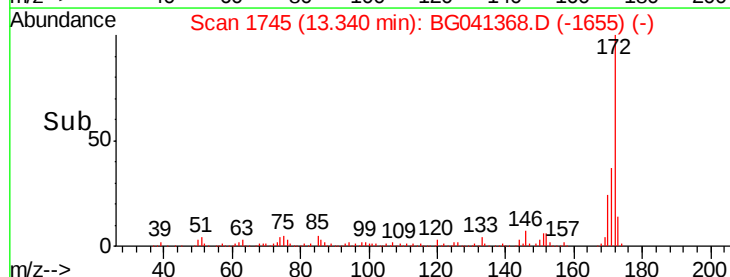
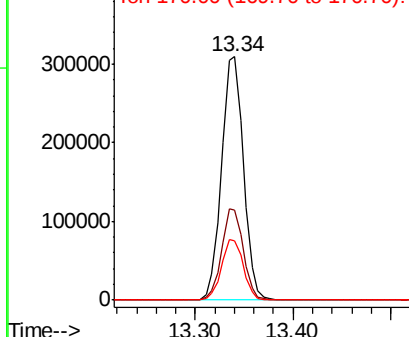


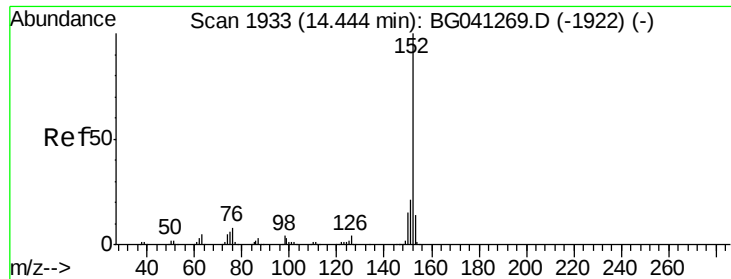
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 7.687 ng

RT: 14.45 min Scan# 1934

Delta R.T. 0.01 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Instrument :

BNA_G

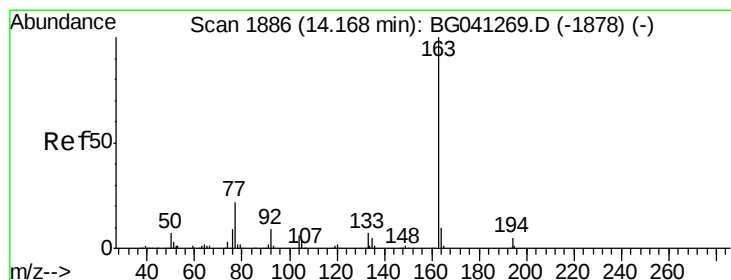
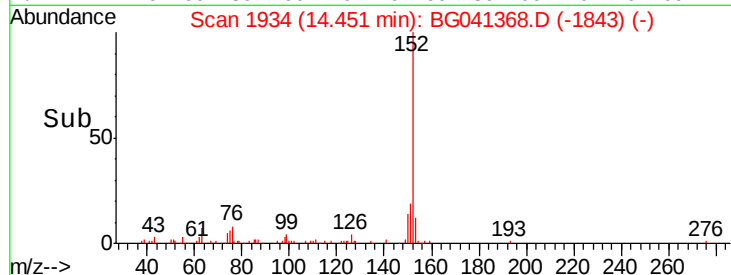
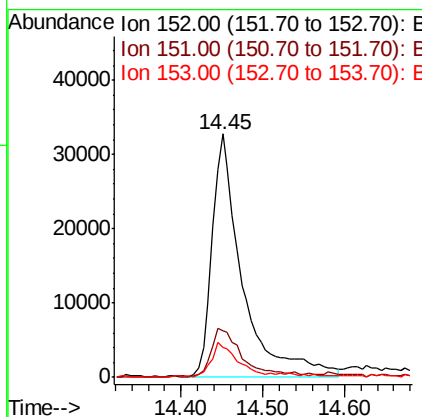
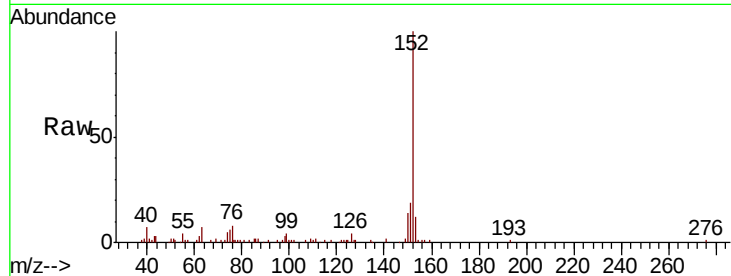
ClientSampleId :

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Tgt Ion:	152	Resp:	84682
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.8	25.2
153	12.2	10.8	16.2

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#50

Dimethylphthalate

Concen: 7.439 ng

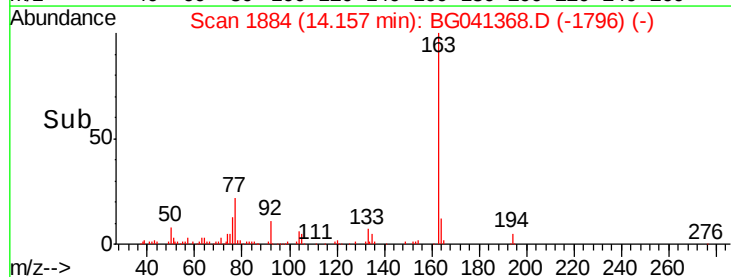
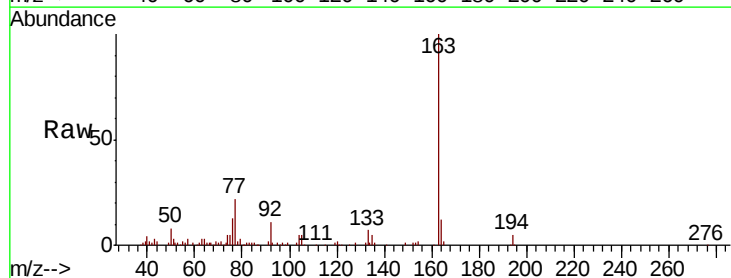
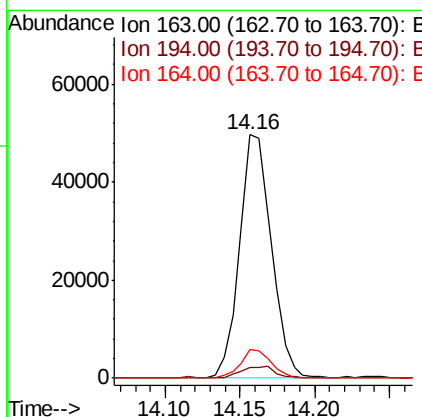
RT: 14.16 min Scan# 1884

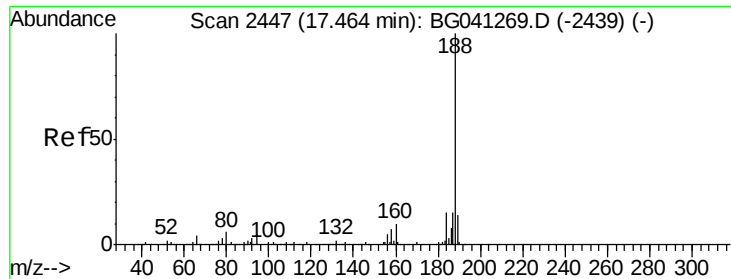
Delta R.T. -0.01 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Tgt Ion:	163	Resp:	73822
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.9	5.9
164	11.8	8.3	12.5





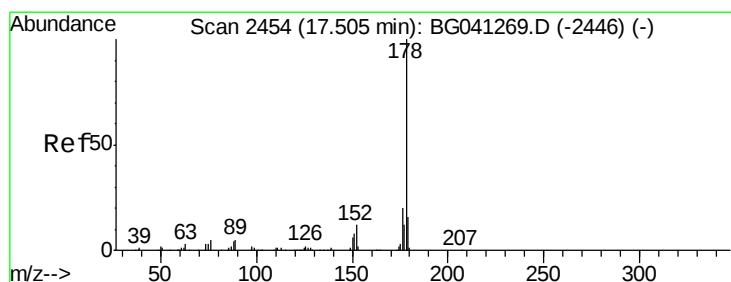
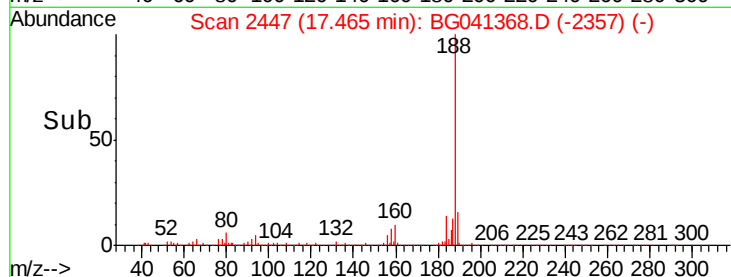
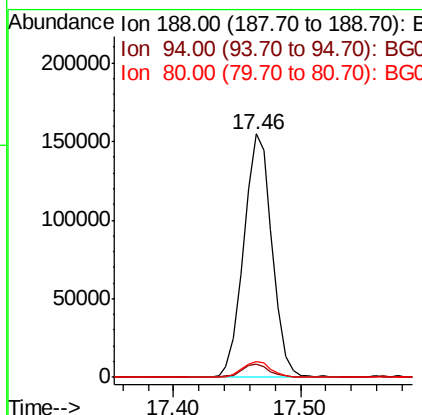
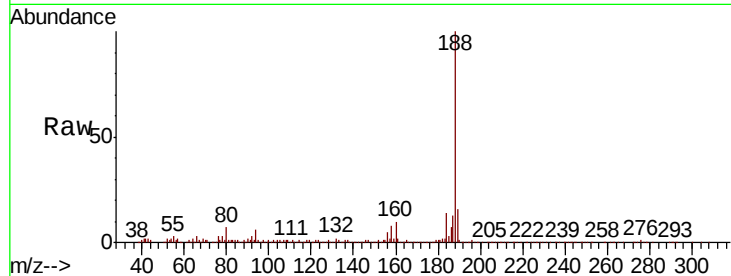
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Instrument :
BNA_G
ClientSampleId :
TP-4-GIS

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	5.6	3.6	5.4#
80	6.5	4.8	7.2

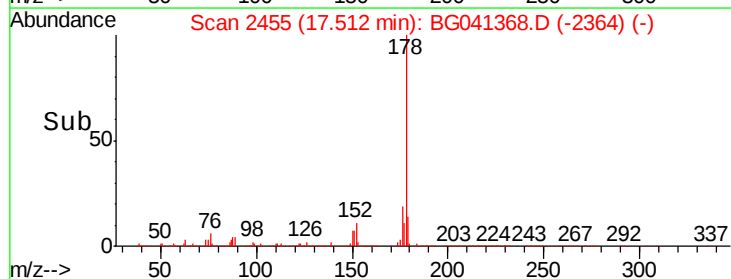
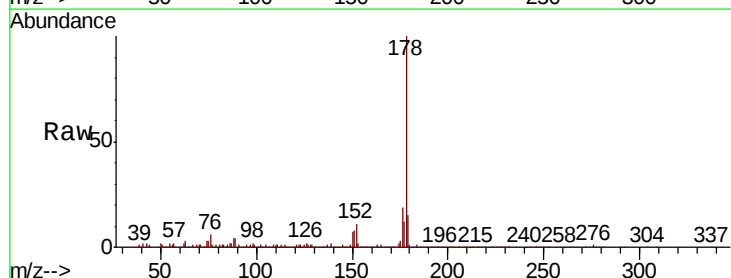
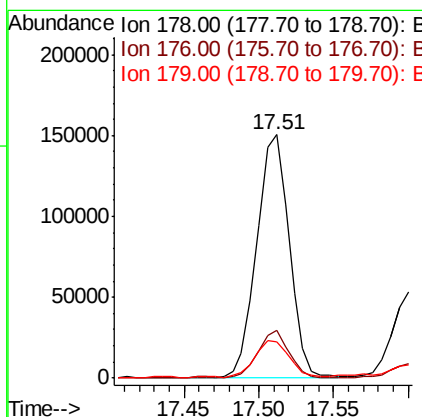
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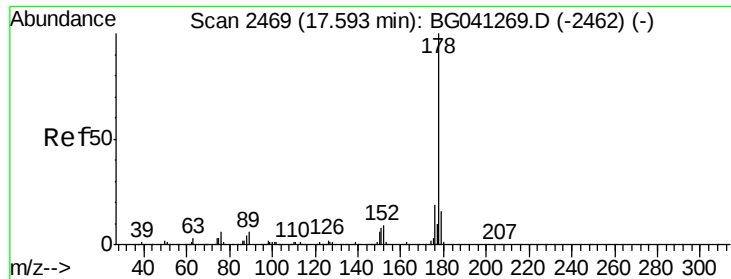
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#71
Phenanthrene
Concen: 17.688 ng
RT: 17.51 min Scan# 2455
Delta R.T. 0.01 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.1	24.1
179	14.9	12.9	19.3





#72

Anthracene

Concen: 6.251 ng

RT: 17.60 min Scan# 2470

Delta R.T. 0.01 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Instrument :

BNA_G

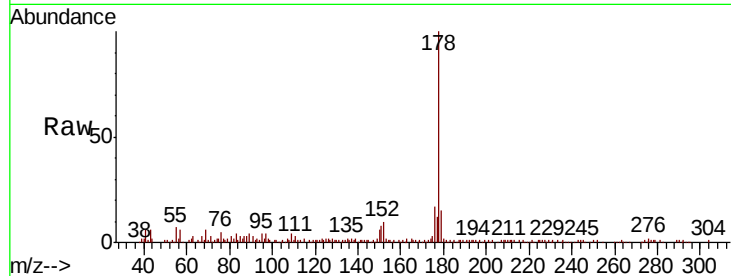
ClientSampleId :

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Tgt Ion:	178	Resp:	78385
Ion Ratio	Lower	Upper	
178	100		
176	16.8	15.4	23.2
179	15.1	13.0	19.4

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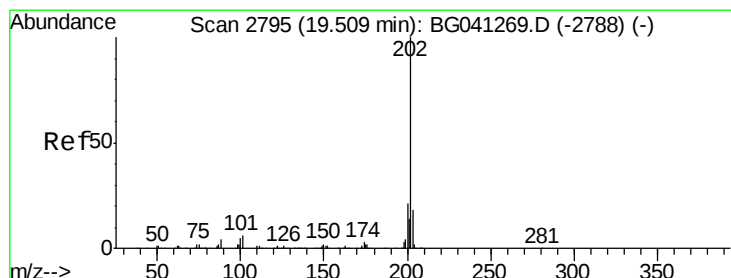
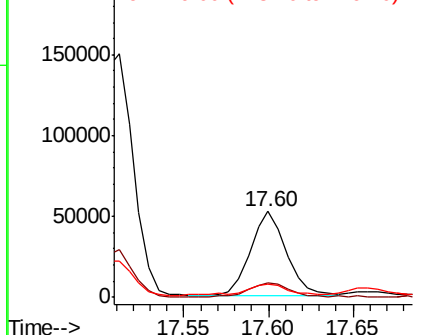
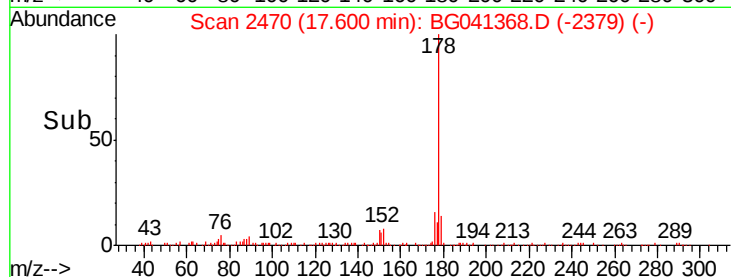


Abundance

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: 65.067 ng

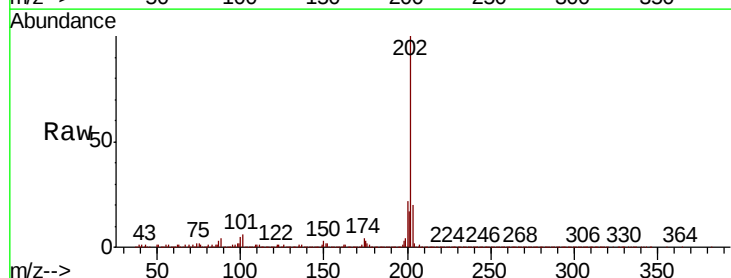
RT: 19.52 min Scan# 2797

Delta R.T. 0.01 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Tgt Ion:	202	Resp:	1099445
Ion Ratio	Lower	Upper	
202	100		
101	6.1	0.0	26.0
203	19.8	0.0	37.7

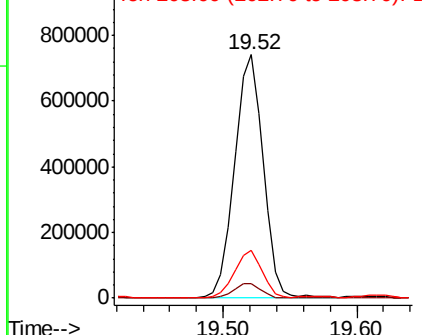
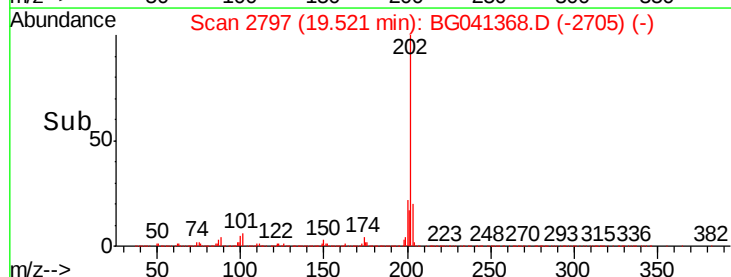


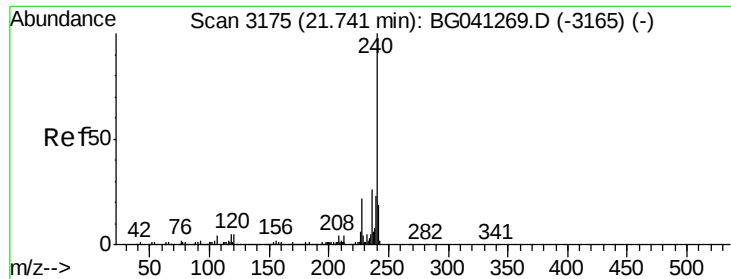
Abundance

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





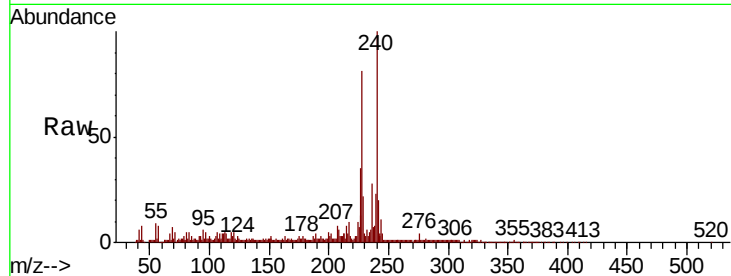
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.75 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
240	100		
120	4.8	3.7	5.5
236	27.8	21.1	31.7

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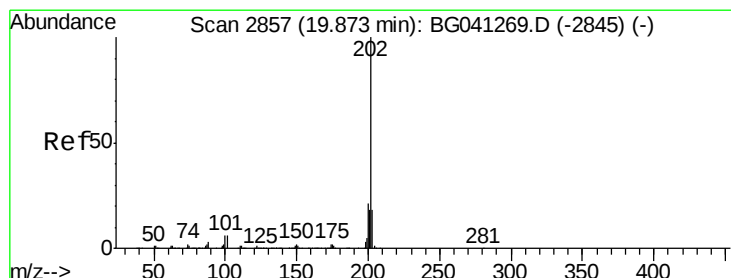
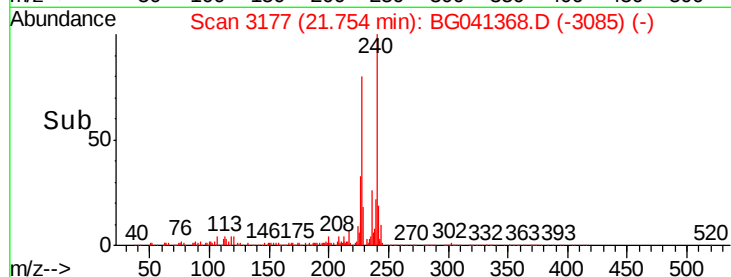
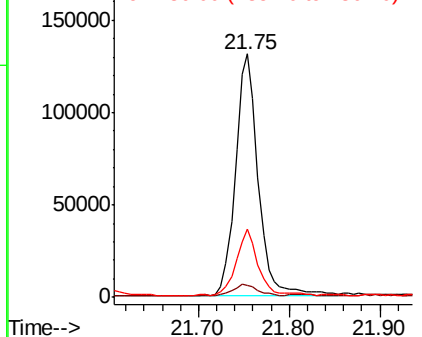


Abundance

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
Pyrene
Concen: 72.724 ng
RT: 19.89 min Scan# 2859
Delta R.T. 0.01 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

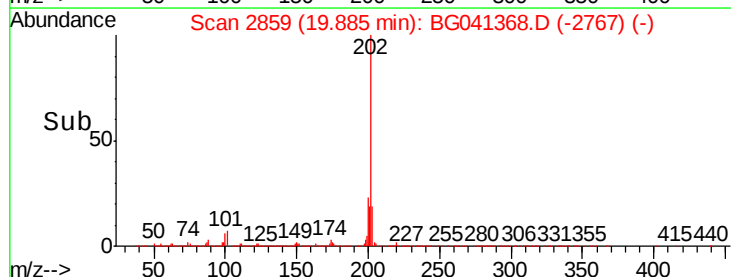
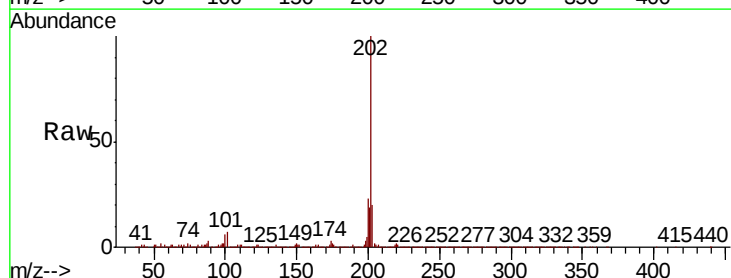
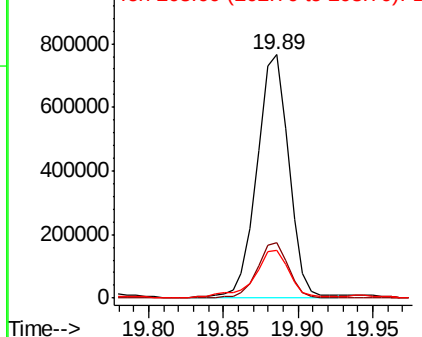
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.8	25.2
203	19.7	14.6	21.8

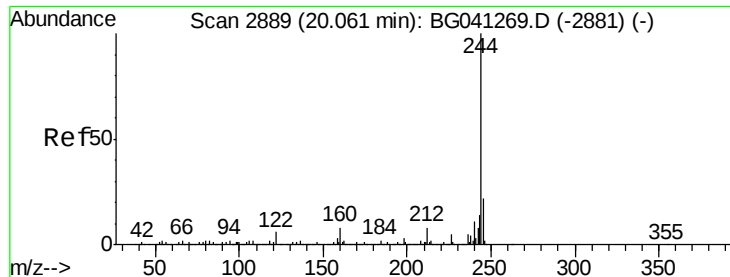
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.469 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Instrument :

BNA_G

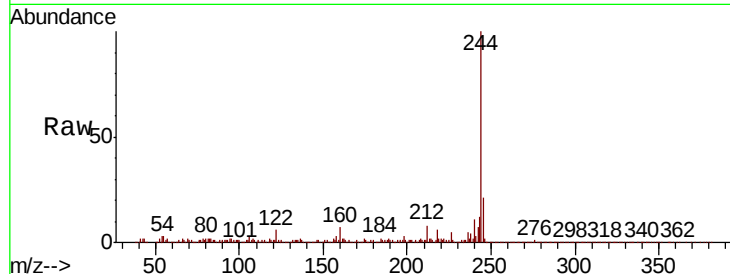
ClientSampleId :

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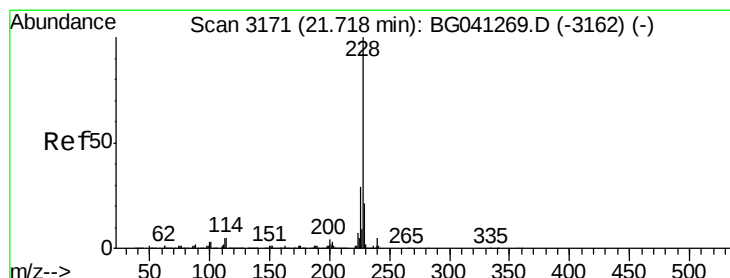
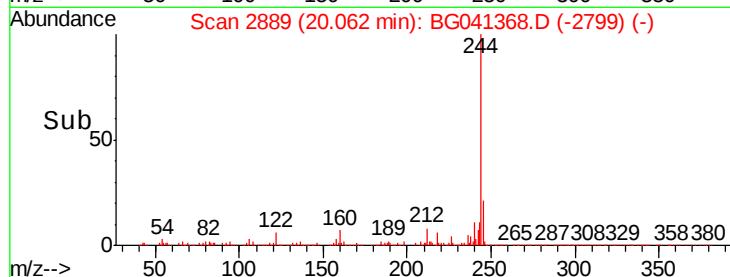
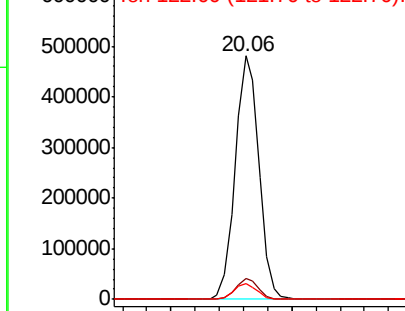
Tgt	Ion	244	Resp:	653967
	Ratio	100	Lower	Upper
	244	100		
	212	8.4	6.6	10.0
	122	6.5	5.0	7.4

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



#81

Benzo(a)anthracene

Concen: 47.637 ng

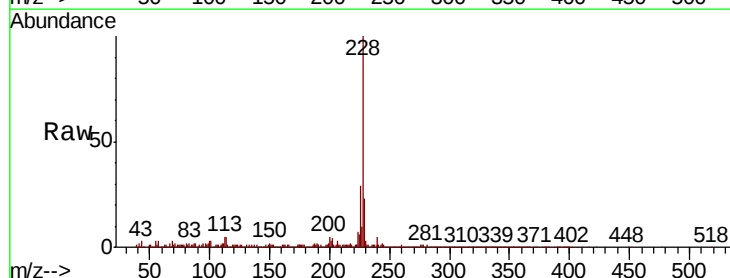
RT: 21.73 min Scan# 3173

Delta R.T. 0.01 min

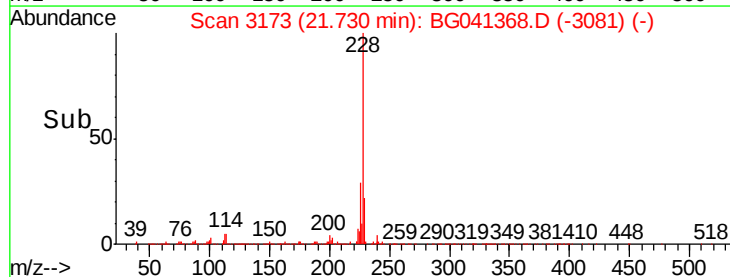
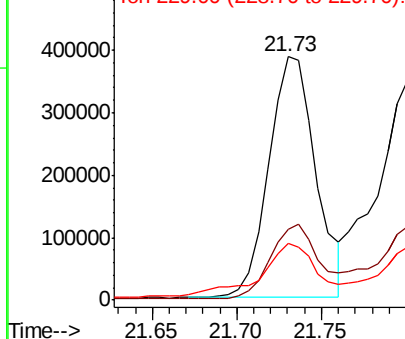
Lab File: BG041368.D

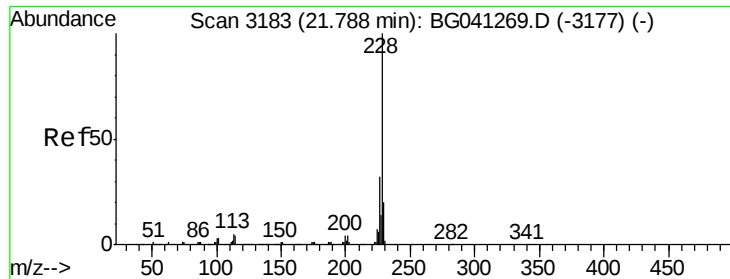
Acq: 20 Jun 2019 22:10

Tgt	Ion	228	Resp:	740285
	Ratio	100	Lower	Upper
	228	100		
	226	29.2	23.2	34.8
	229	23.2	16.8	25.2



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





#83

Chrysene

Concen: 50.647 ng

RT: 21.80 min Scan# 3185

Delta R.T. 0.01 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Instrument :

BNA_G

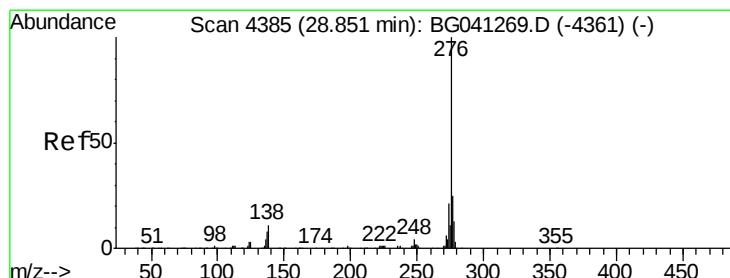
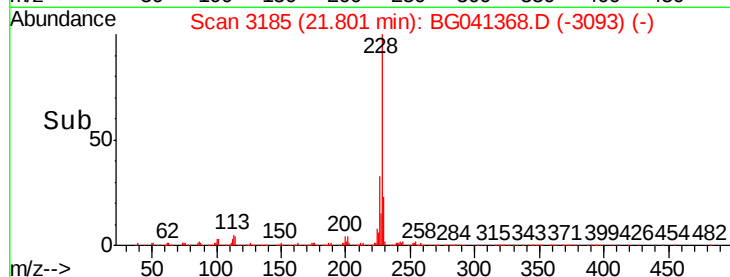
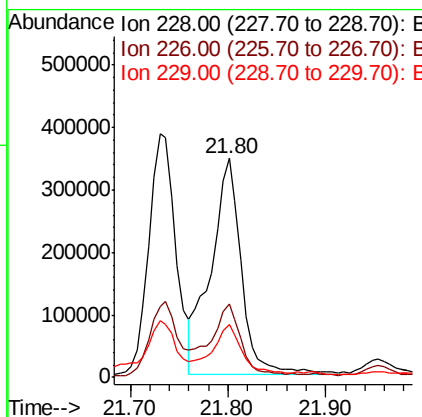
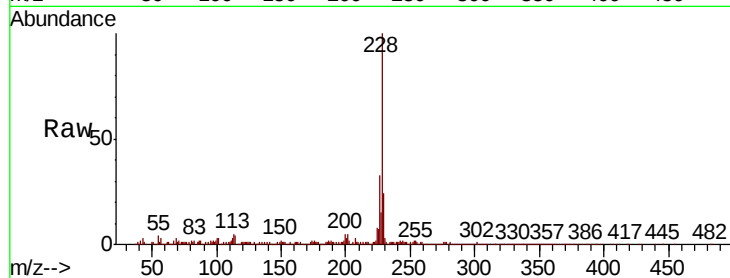
ClientSampleId :

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Tgt Ion:	228	Resp:	756893
Ion Ratio	Lower	Upper	
228	100		
226	33.3	25.4	38.0
229	24.0	16.2	24.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 15.214 ng

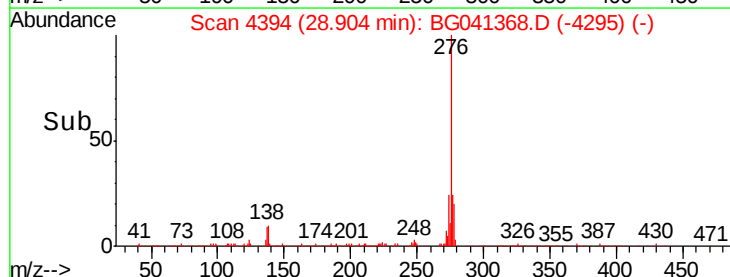
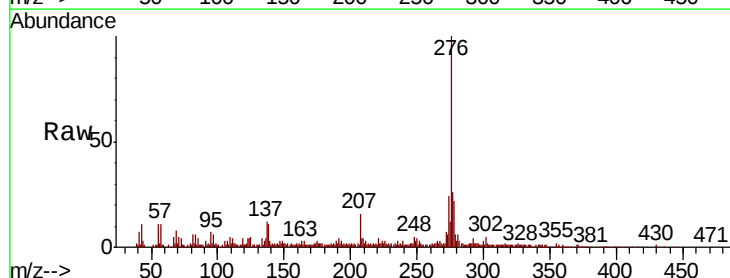
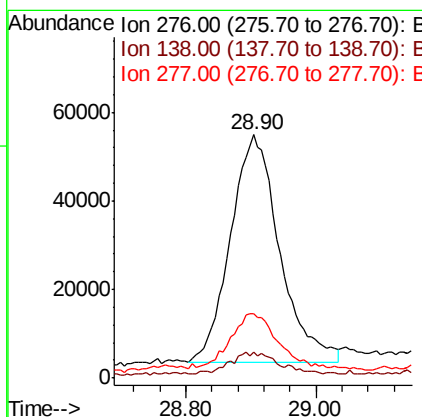
RT: 28.90 min Scan# 4394

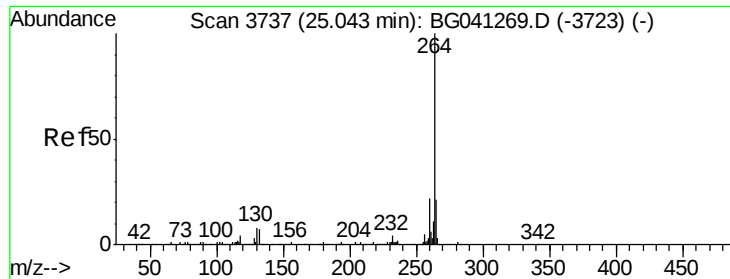
Delta R.T. 0.05 min

Lab File: BG041368.D

Acq: 20 Jun 2019 22:10

Tgt Ion:	276	Resp:	269755
Ion Ratio	Lower	Upper	
276	100		
138	3.9	7.7	11.5#
277	21.5	20.6	31.0





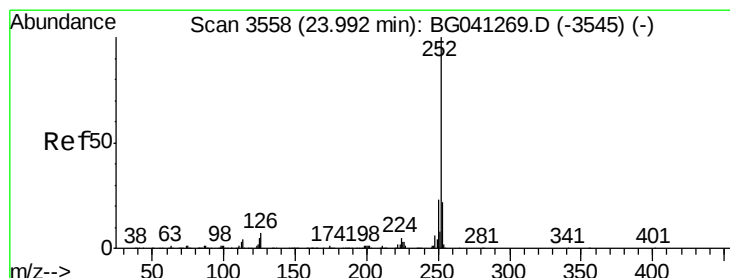
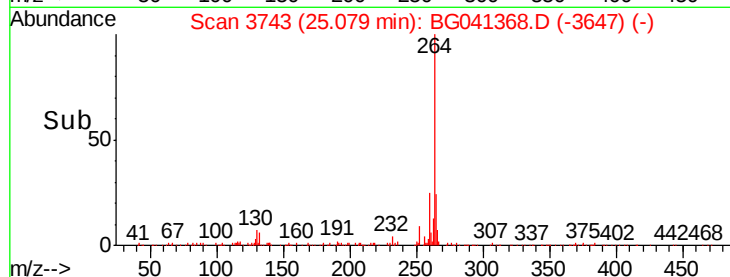
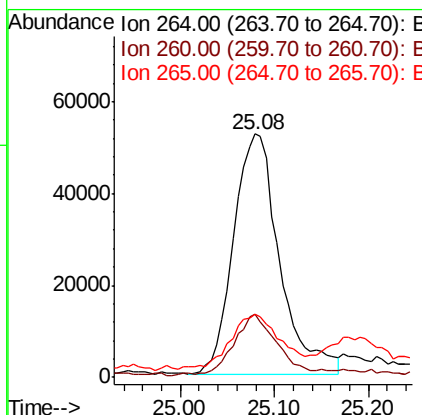
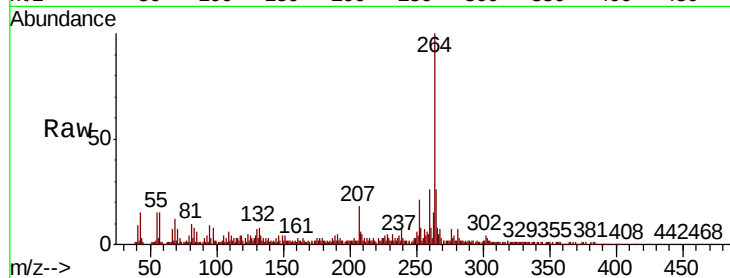
#87
Perylene-d12
Concen: 20.000 ng
RT: 25.08 min Scan# 3743
Delta R.T. 0.04 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	26.1	17.4	26.2
265	25.8	17.2	25.8#

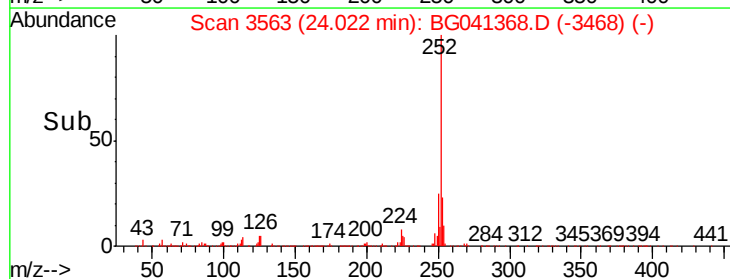
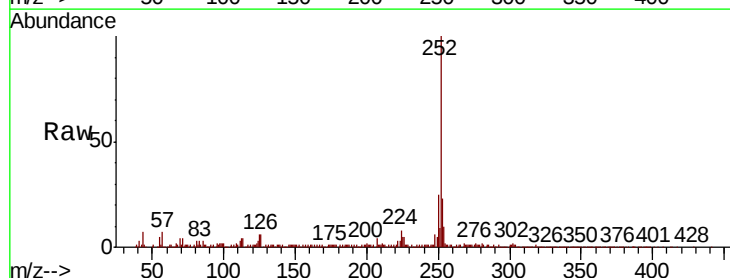
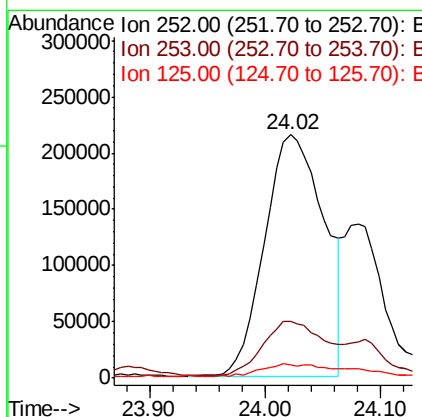
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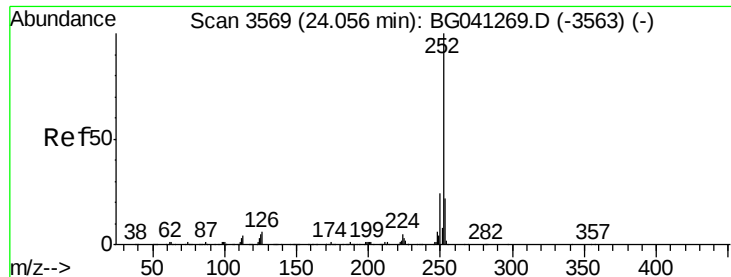
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#88
Benzo(b)fluoranthene
Concen: 70.136 ng
RT: 24.02 min Scan# 3563
Delta R.T. 0.03 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.4	26.0
125	5.6	3.9	5.9





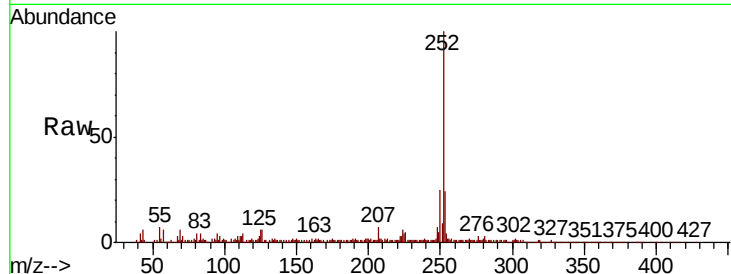
#89
Benzo(k)fluoranthene
Concen: 26.005 ng m
RT: 24.08 min Scan# 3573
Delta R.T. 0.02 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Instrument :
BNA_G
ClientSampleId :
TP-4-GIS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	6.1	4.3	6.5

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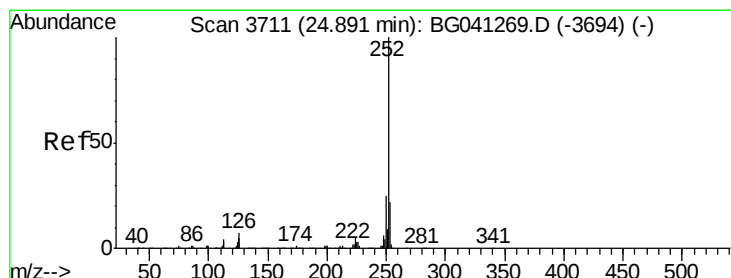
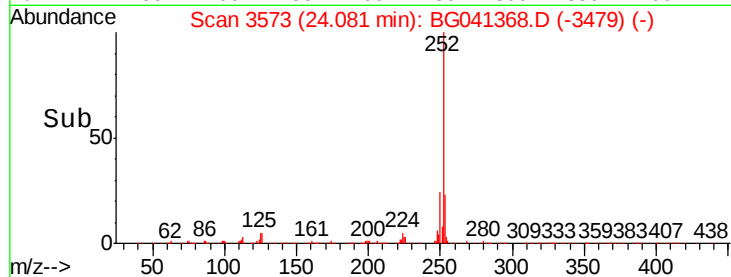
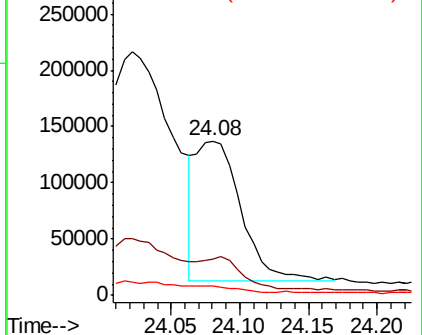


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 51.231 ng
RT: 24.92 min Scan# 3716
Delta R.T. 0.03 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

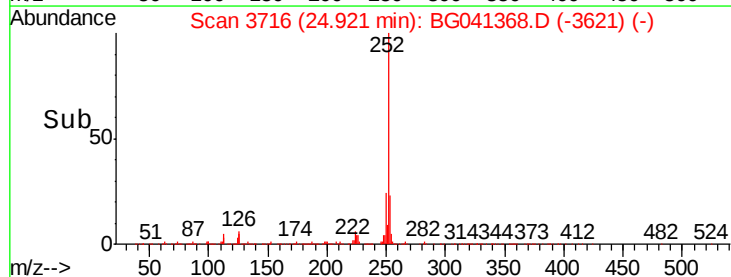
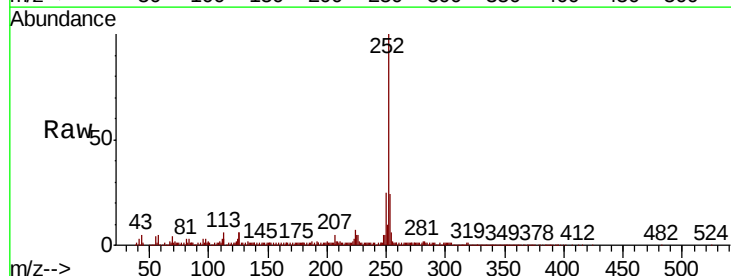
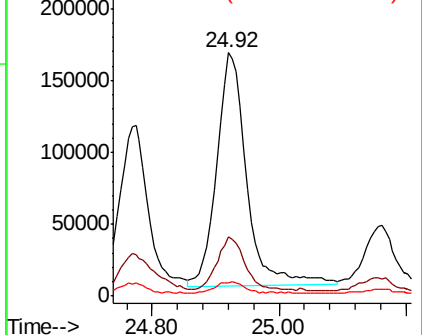
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	5.5	4.2	6.4

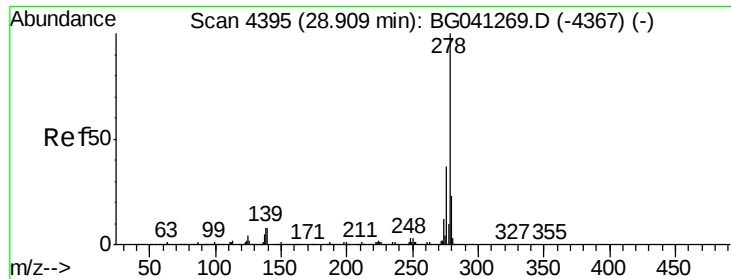
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





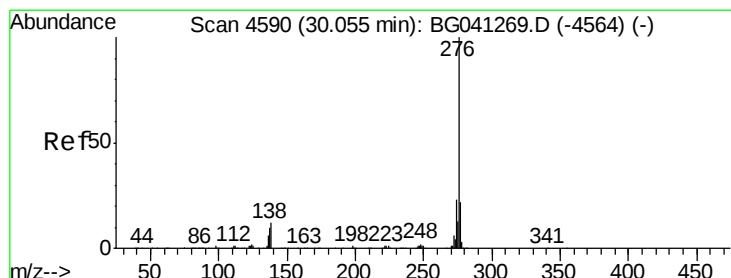
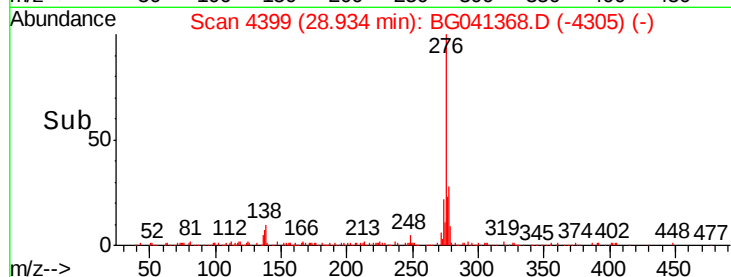
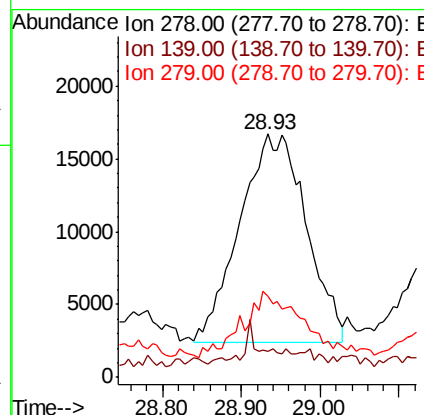
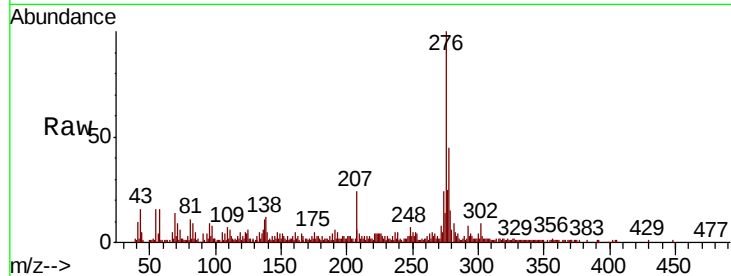
#91
Dibenzo(a,h)anthracene
Concen: 8.022 ng m
RT: 28.93 min Scan# 4399
Delta R.T. 0.02 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Instrument :
BNA_G
ClientSampleId :
TP-4-GIS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.4	6.6	10.0#
279	33.2	18.5	27.7#

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#92
Benzo(g,h,i)perylene
Concen: 24.059 ng
RT: 30.11 min Scan# 4599
Delta R.T. 0.05 min
Lab File: BG041368.D
Acq: 20 Jun 2019 22:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	10.3	9.4	14.0

