

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
 Data File : BG041366.D
 Acq On : 20 Jun 2019 20:54
 Operator : HP/JU
 Sample : K3455-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-GIS

Manual Integrations
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 6/21/2019 9:59:00 PM

Quant Time: Jun 21 07:04:18 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	44587	20.00	ng	0.00
21) Naphthalene-d8	10.91	136	172793	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	117119	20.00	ng	0.00
64) Phenanthrene-d10	17.47	188	255103	20.00	ng	0.00
76) Chrysene-d12	21.75	240	236651	20.00	ng	0.00
87) Perylene-d12	25.07	264	185183	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	205424	84.65	ng	0.00
7) Phenol-d6	7.24	99	314252	89.34	ng	0.00
23) Nitrobenzene-d5	9.26	82	223999	54.52	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	135490	75.35	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	448254	52.02	ng	0.00
79) Terphenyl-d14	20.06	244	570175	47.75	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.16	163	58961	5.658	ng	98
71) Phenanthrene	17.51	178	247357	18.181	ng	97
72) Anthracene	17.60	178	61585	4.591	ng	98
75) Fluoranthene	19.52	202	569359	31.499	ng	98
78) Pyrene	19.88	202	503315	31.536	ng	100
81) Benzo(a)anthracene	21.73	228	275931	17.221	ng	98
83) Chrysene	21.80	228	255635	16.590	ng	98
86) Indeno(1,2,3-cd)pyrene	28.89	276	75584m	4.134	ng	
88) Benzo(b)fluoranthene	24.01	252	230932	20.122	ng	# 97
89) Benzo(k)fluoranthene	24.06	252	78327m	6.890	ng	
90) Benzo(a)pyrene	24.92	252	155781	14.373	ng	# 96
92) Benzo(g,h,i)perylene	30.09	276	53154	4.929	ng	# 83

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

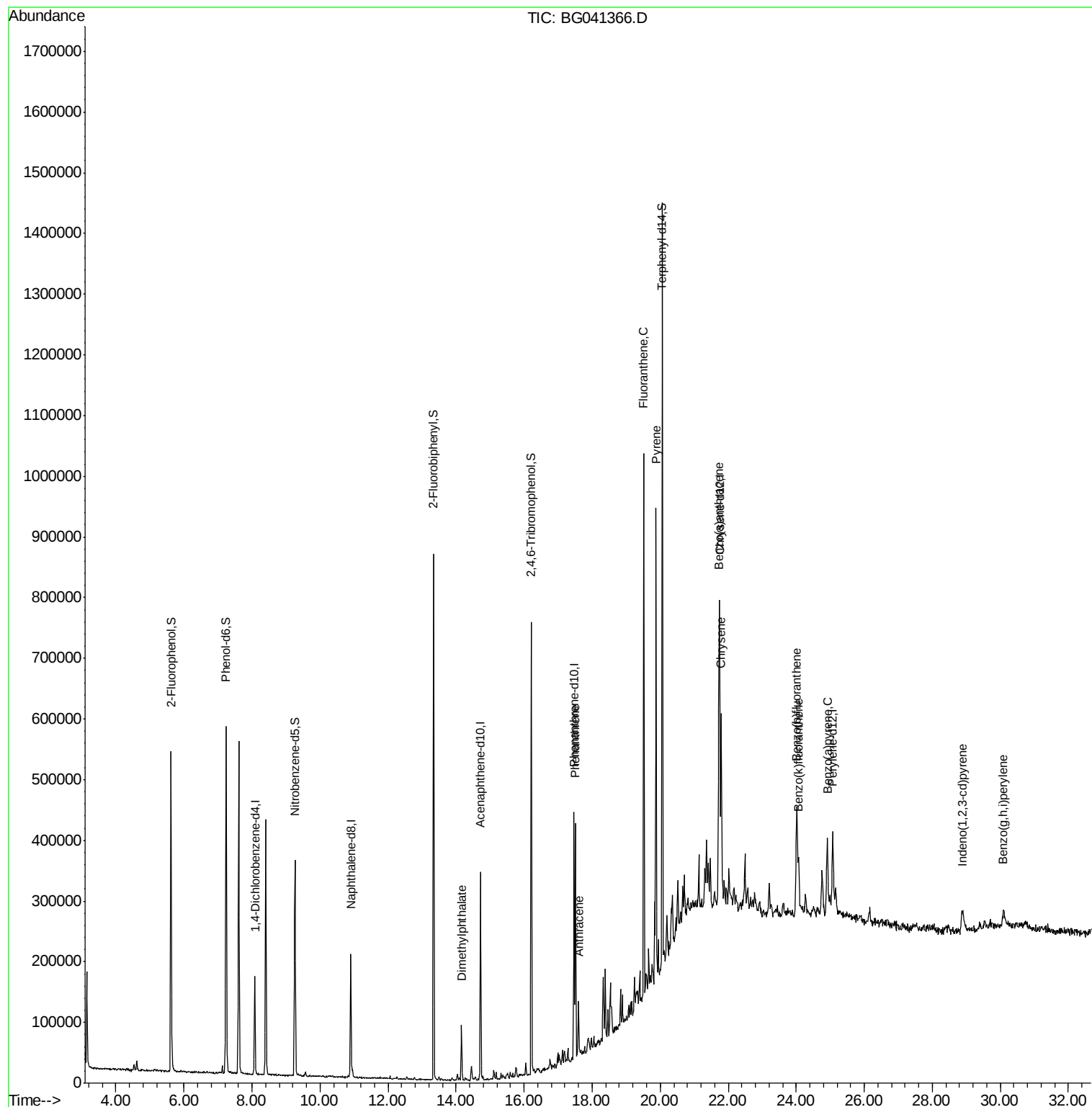
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041366.D
Acq On : 20 Jun 2019 20:54
Operator : HP/JU
Sample : K3455-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

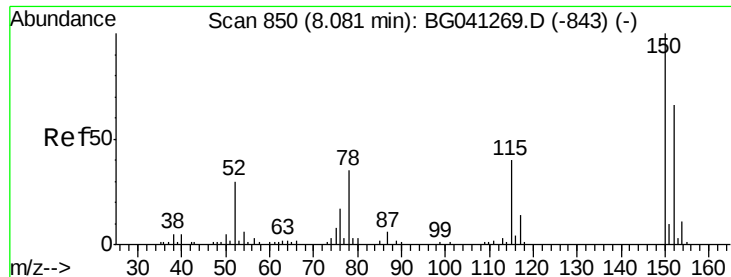
Instrument :
BNA_G
ClientSampled :
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Quant Time: Jun 21 07:04:18 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

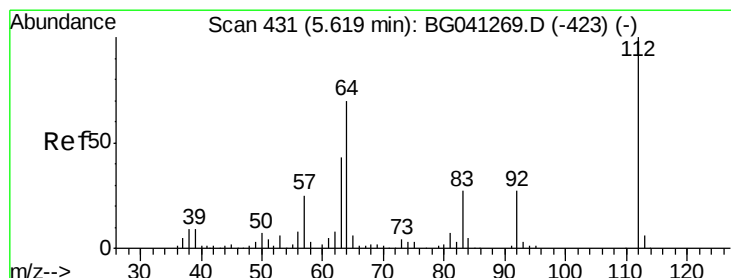
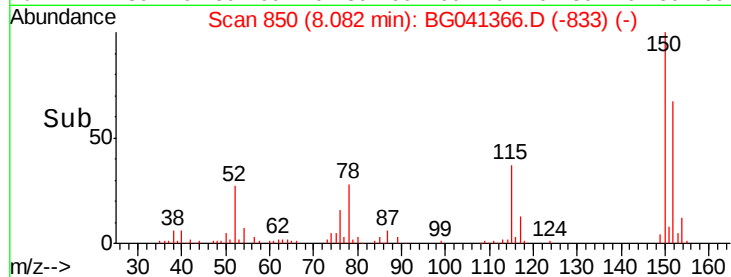
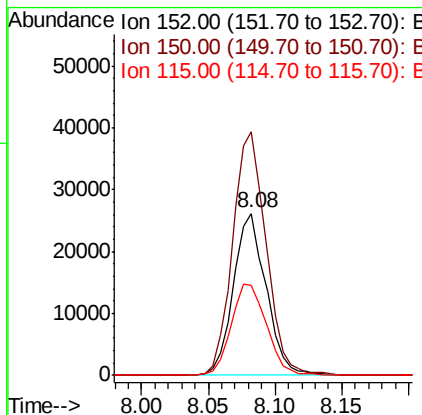
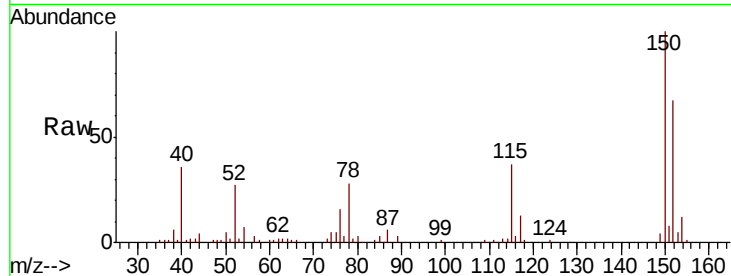
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampled :
TP-2-GIS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.1	120.6	181.0
115	55.8	47.9	71.9

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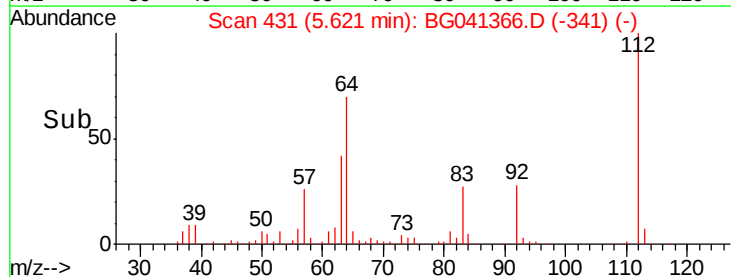
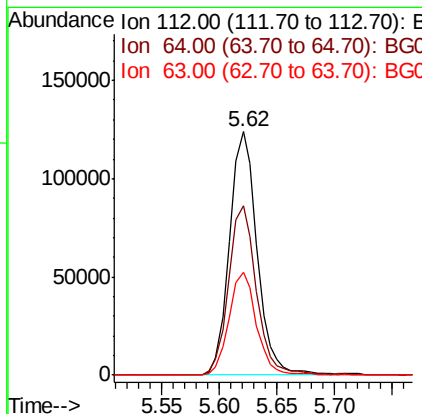
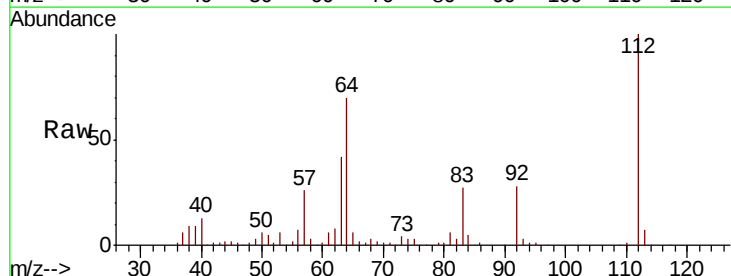
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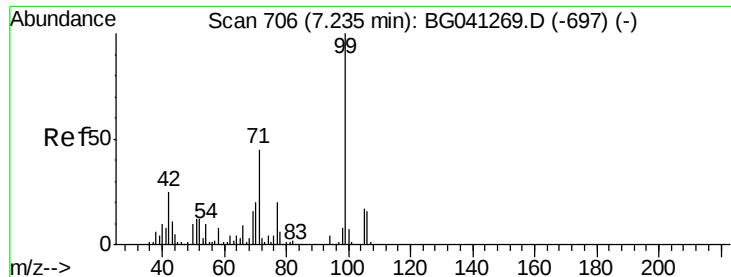


#5

2-Fluorophenol
Concen: 84.655 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	55.9	83.9
63	42.2	34.6	51.8





#7

Phenol-d6

Concen: 89.342 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.00 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

ClientSampleId :

TP-2-GIS

Tgt Ion: 99 Resp: 314252

Ion Ratio Lower Upper

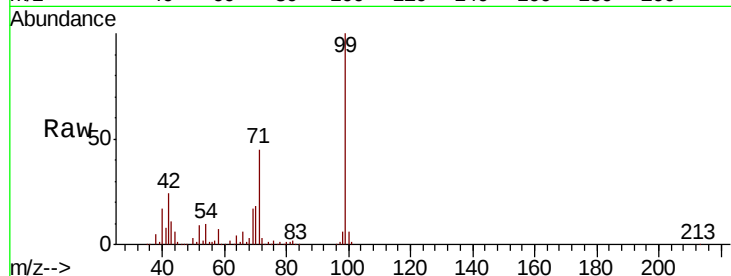
99 100

42 23.8 19.9 29.9

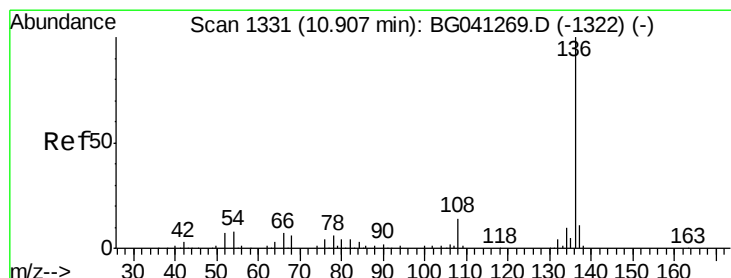
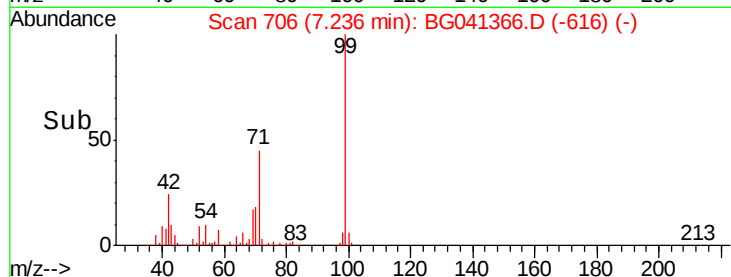
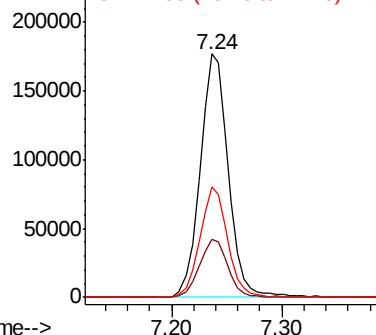
71 45.3 36.4 54.6

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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Tgt Ion: 136 Resp: 172793

Ion Ratio Lower Upper

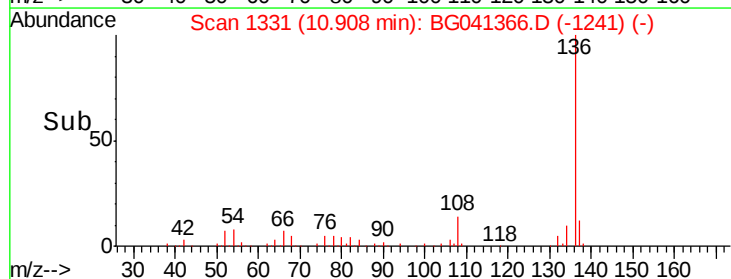
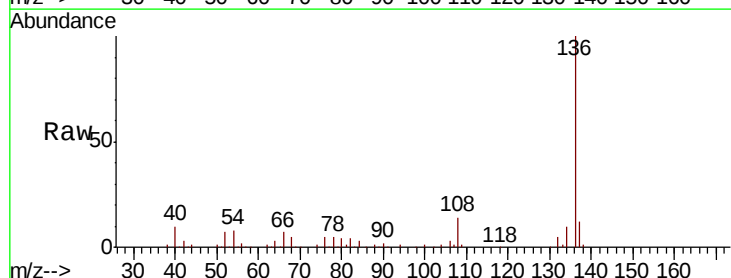
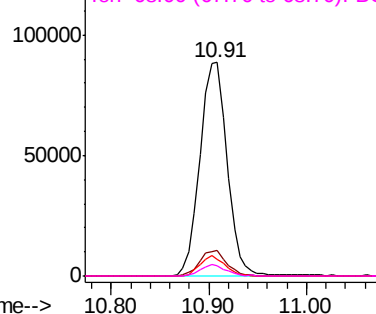
136 100

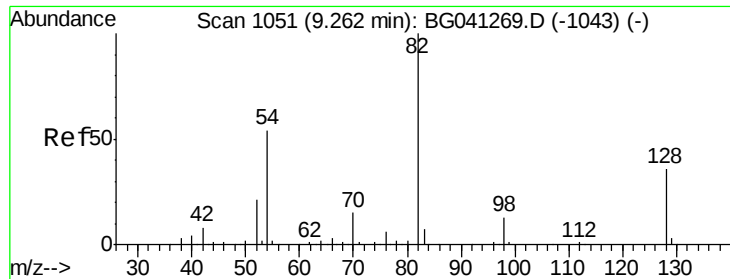
137 11.9 8.8 13.2

54 8.0 6.4 9.6

68 4.8 4.8 7.2

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





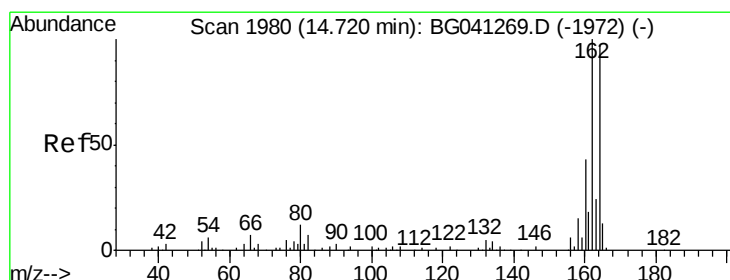
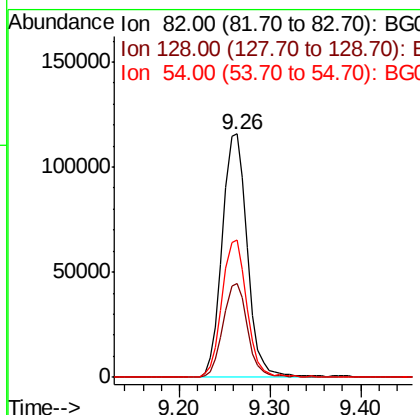
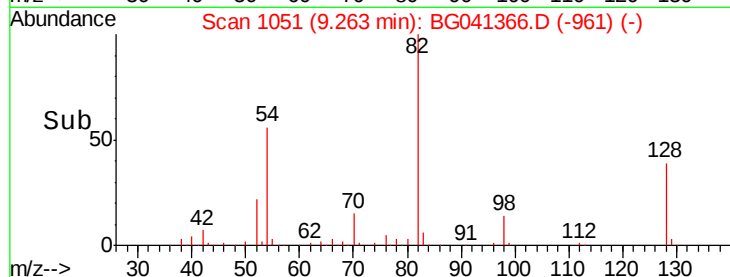
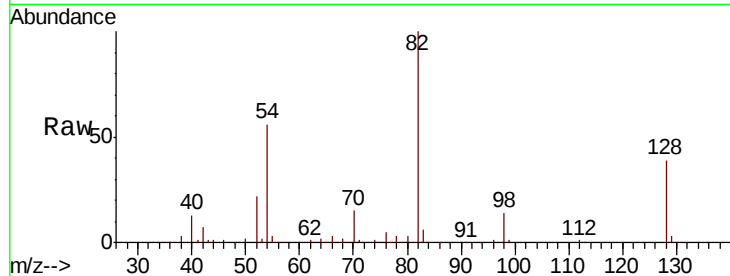
#23
Nitrobenzene-d5
Concen: 54.519 ng
RT: 9.26 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TP-2-GIS

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	223999		
128	38.8	29.2	43.8	
54	56.3	43.4	65.0	

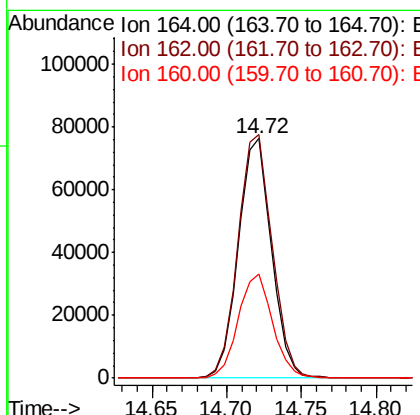
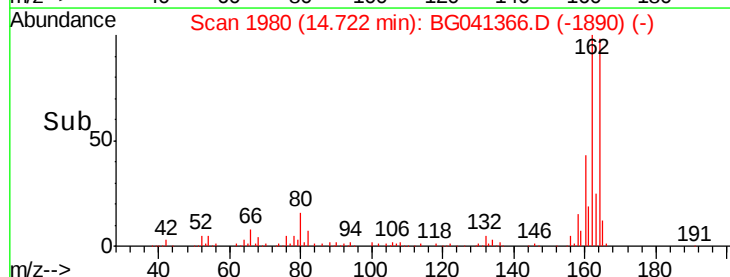
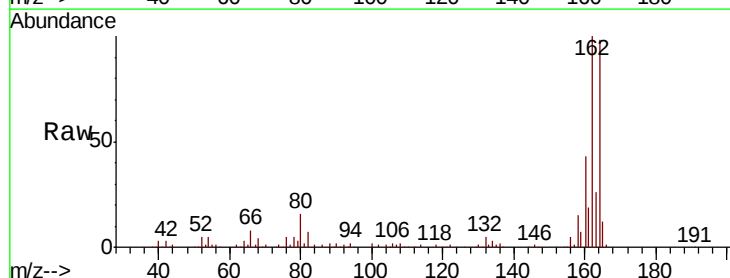
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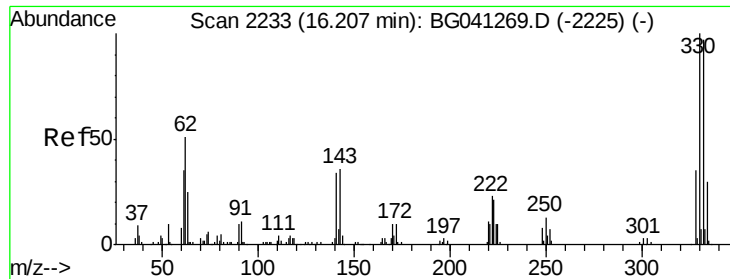
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1980
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	117119		
162	101.7	82.8	124.2	
160	43.4	35.8	53.8	





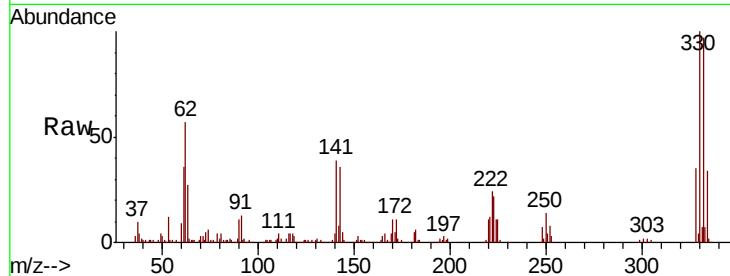
#42
 2,4,6-Tribromophenol
 Concen: 75.354 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: BG041366.D
 Acq: 20 Jun 2019 20:54

Instrument :
 BNA_G
 ClientSampled :
 TP-2-GIS

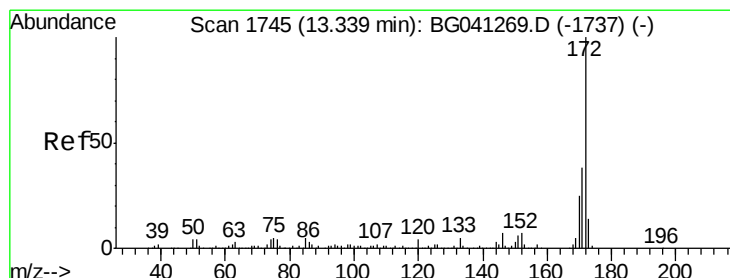
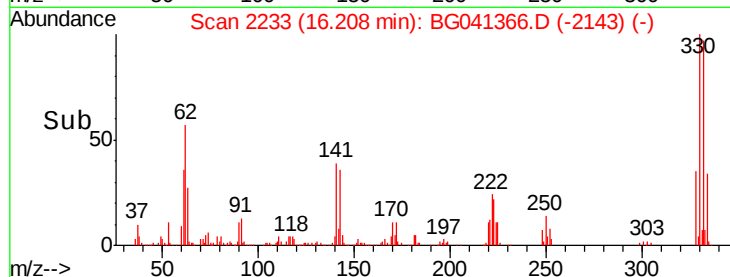
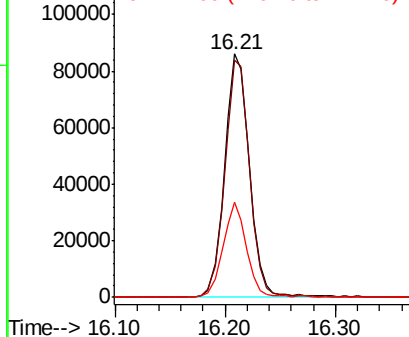
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	135490		
332	97.1	75.5	113.3	
141	36.8	29.0	43.4	

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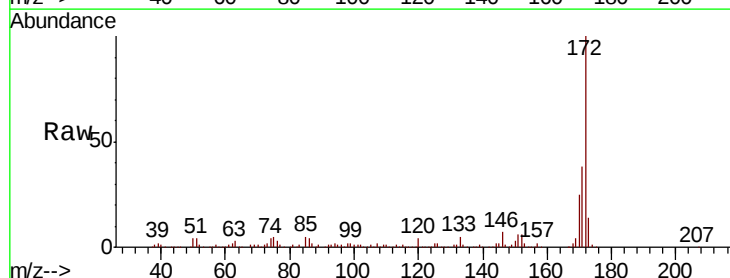


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

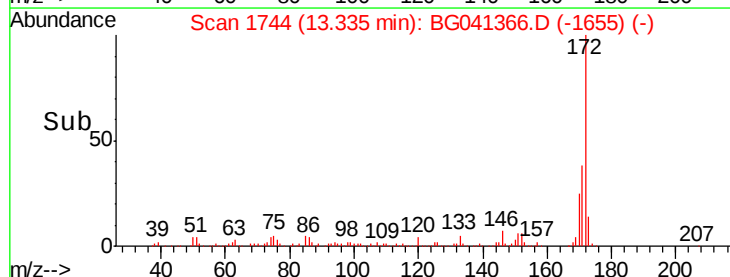
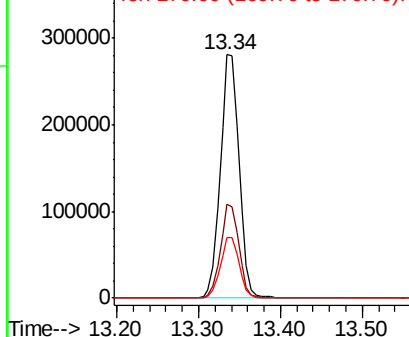


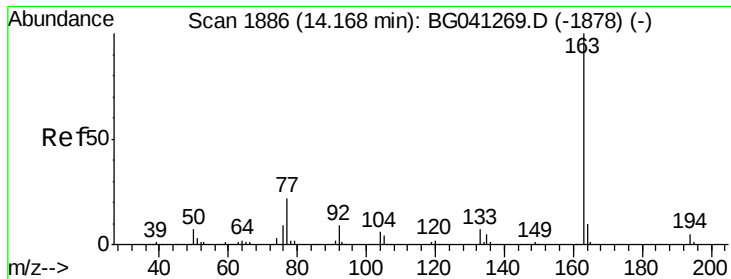
#45
 2-Fluorobiphenyl
 Concen: 52.019 ng
 RT: 13.34 min Scan# 1744
 Delta R.T. -0.00 min
 Lab File: BG041366.D
 Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	448254		
171	38.4	30.0	45.0	
170	24.7	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





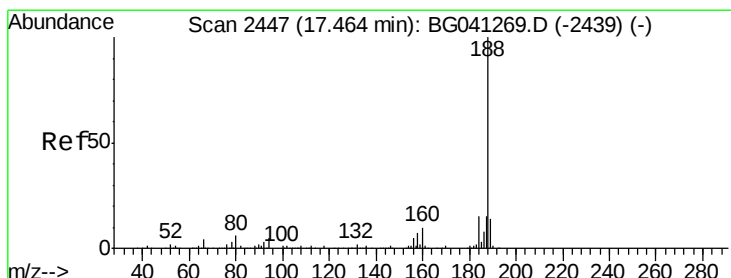
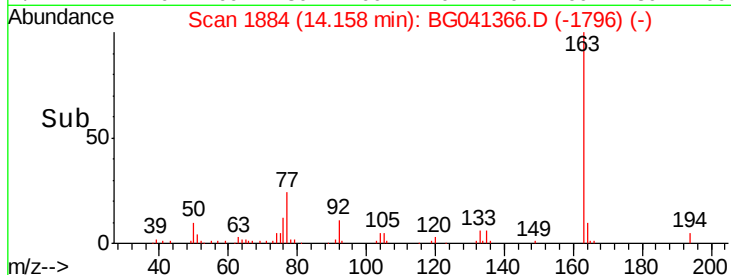
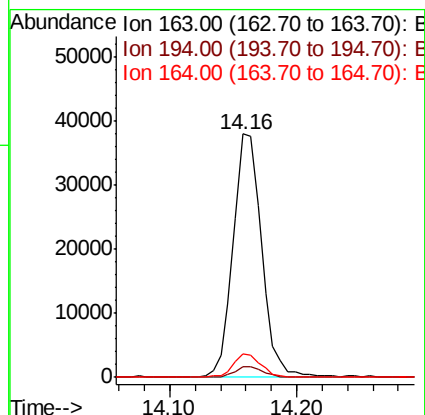
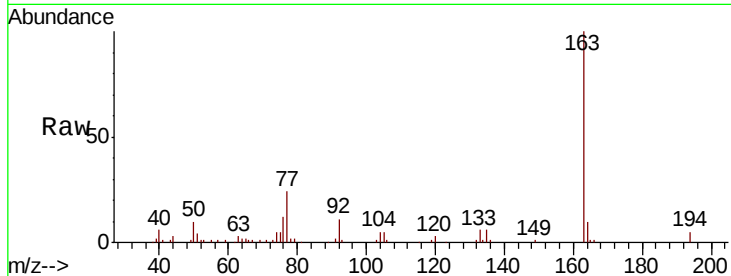
#50
Dimethylphthalate
Concen: 5.658 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	58961		
194	4.5		3.9	5.9
164	9.5		8.3	12.5

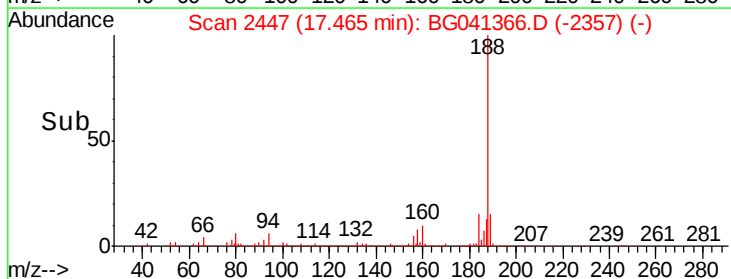
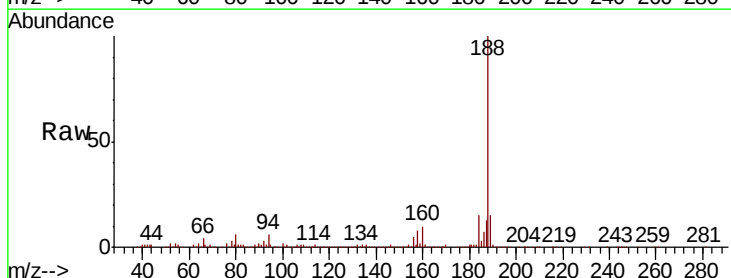
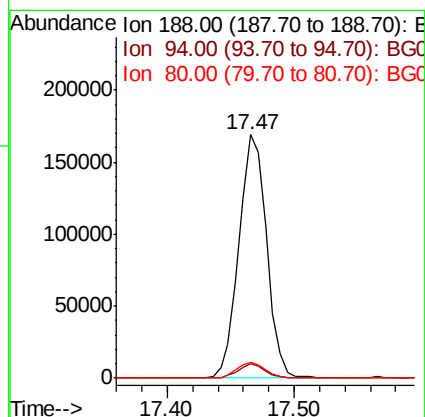
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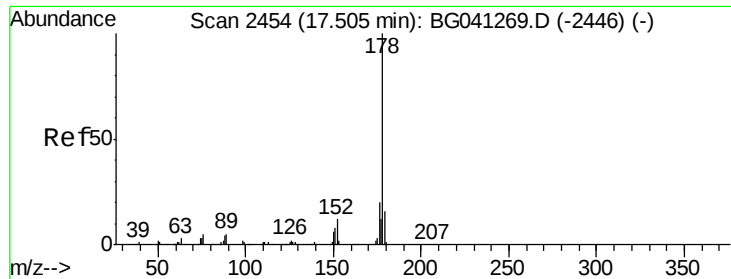
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.47 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	255103		
94	5.9		3.6	5.4#
80	6.3		4.8	7.2





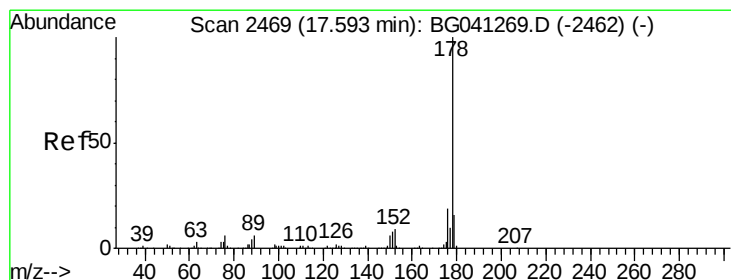
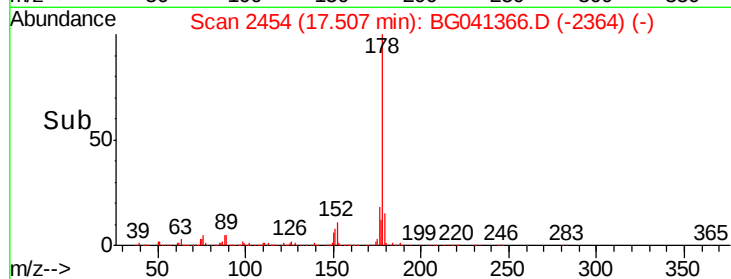
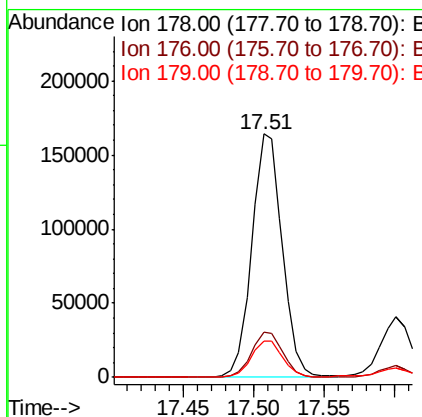
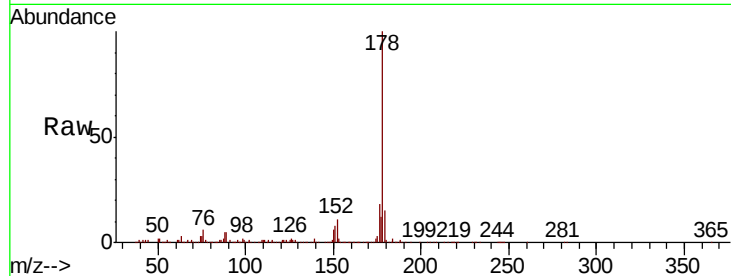
#71
Phenanthrene
Concen: 18.181 ng
RT: 17.51 min Scan# 2454
Delta R.T. 0.00 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TP-2-GIS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	16.1	24.1
179	15.0	12.9	19.3

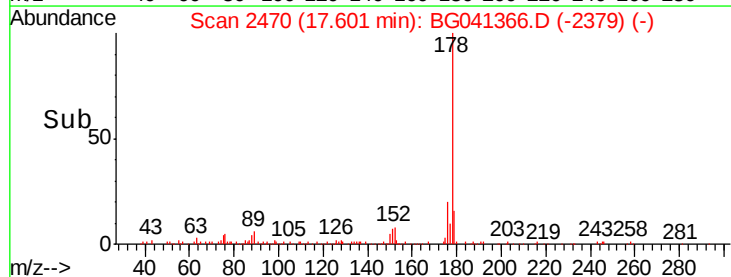
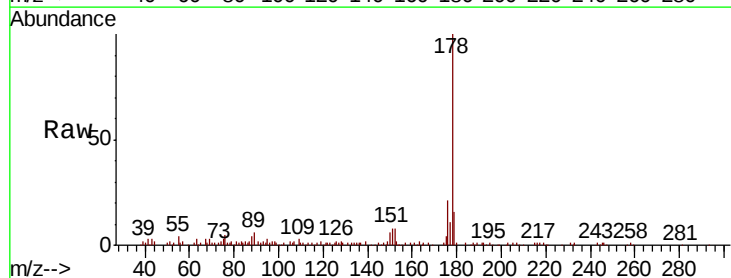
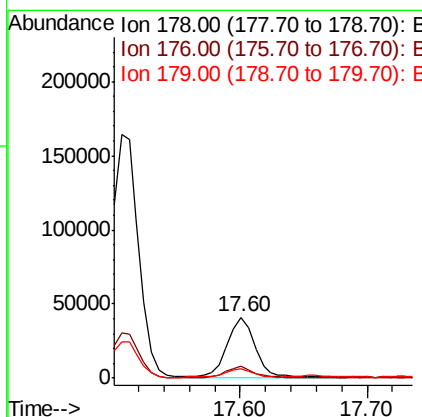
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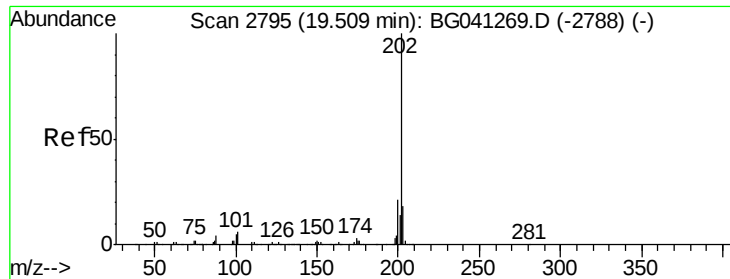
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#72
Anthracene
Concen: 4.591 ng
RT: 17.60 min Scan# 2470
Delta R.T. 0.01 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	16.4	13.0	19.4





#75

Fluoranthene

Concen: 31.499 ng

RT: 19.52 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

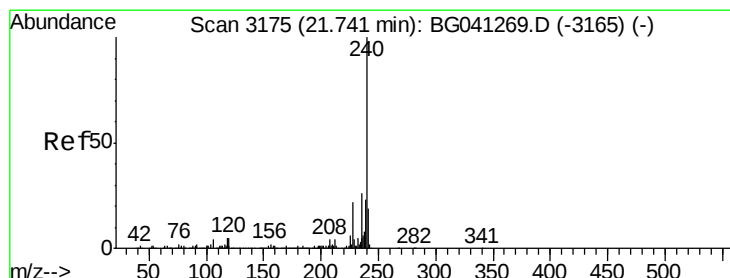
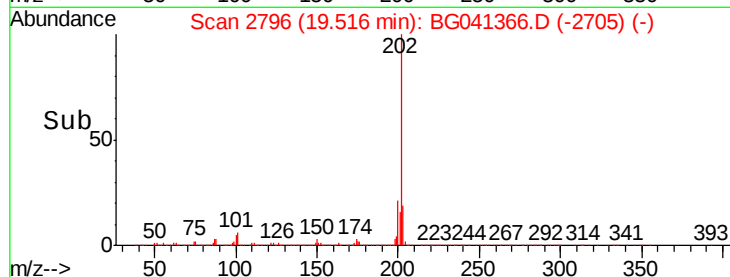
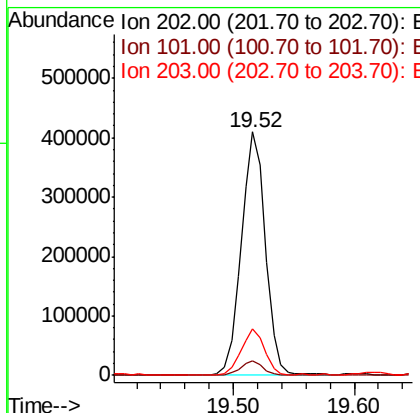
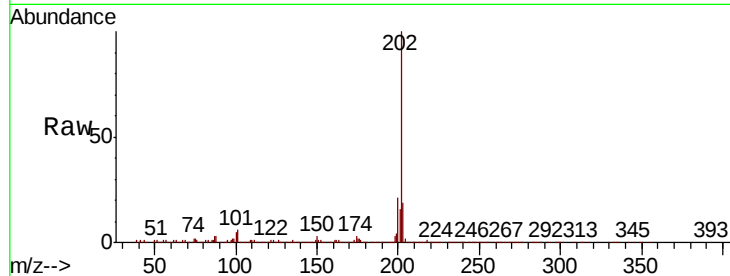
ClientSampled :

TP-2-GIS

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		569359		
101	5.8	0.0	26.0		
203	18.9	0.0	37.7		

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#76

Chrysene-d12

Concen: 20.000 ng

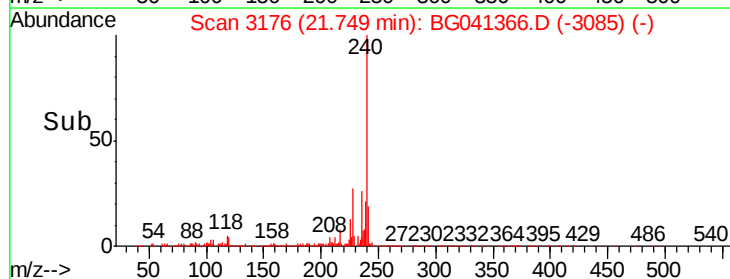
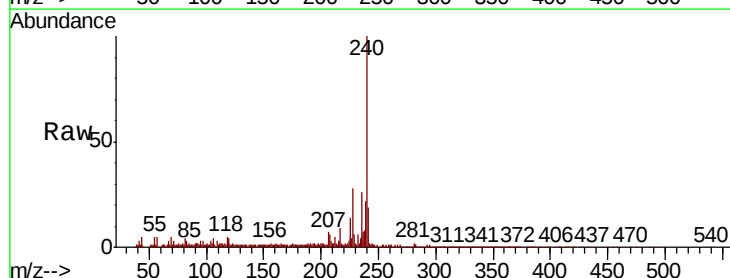
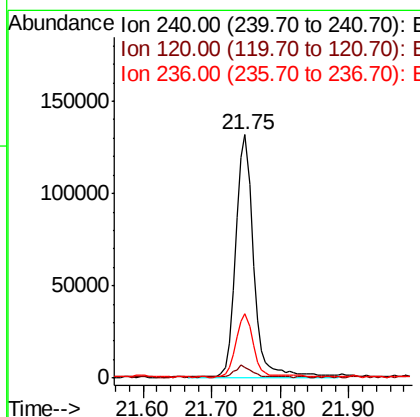
RT: 21.75 min Scan# 3176

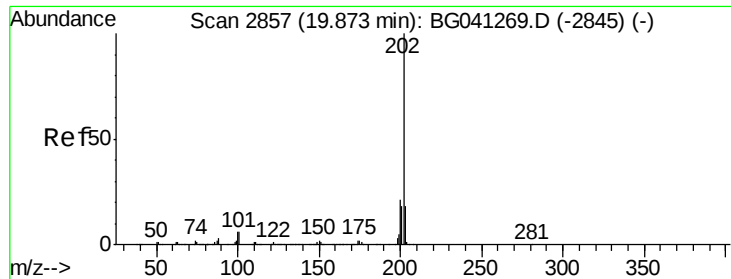
Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		236651		
120	4.3	3.7	5.5		
236	26.4	21.1	31.7		





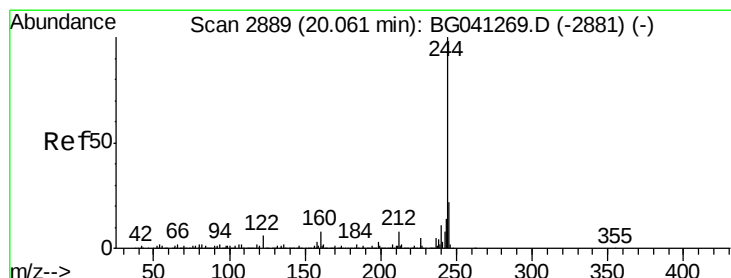
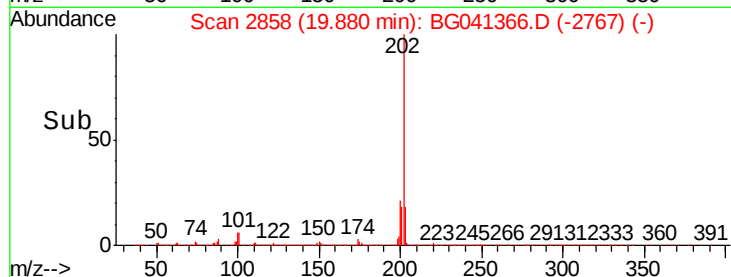
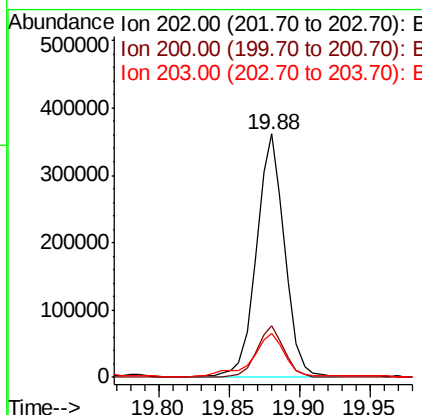
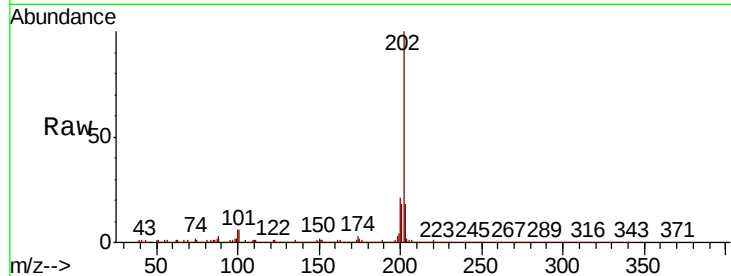
#78
 Pyrene
 Concen: 31.536 ng
 RT: 19.88 min Scan# 2858
 Delta R.T. 0.01 min
 Lab File: BG041366.D
 Acq: 20 Jun 2019 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TP-2-GIS

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	16.8	25.2
203	18.3	14.6	21.8

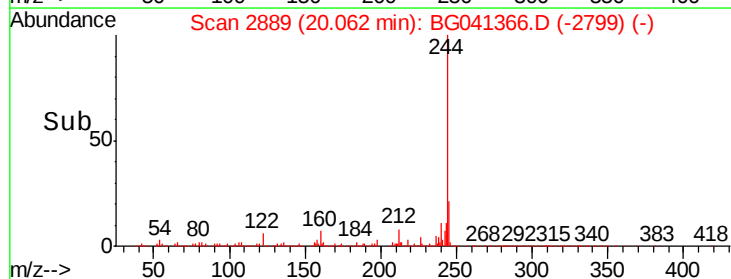
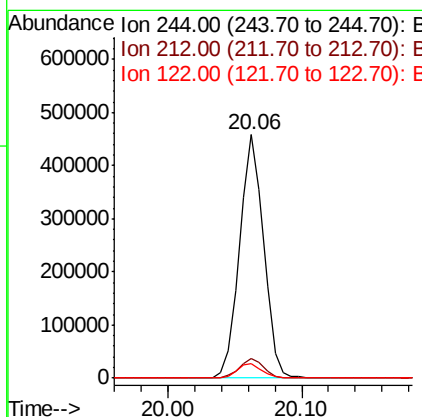
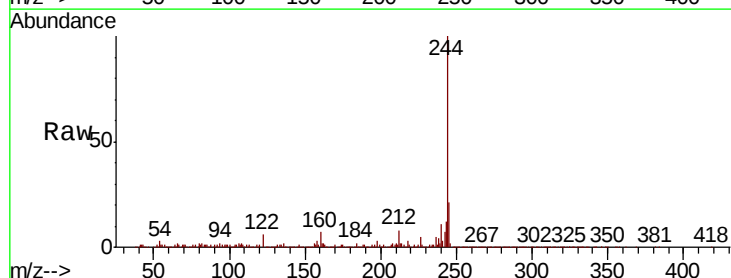
Manual Integrations
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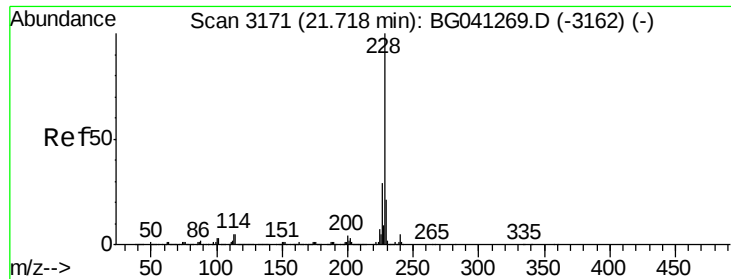
mohammad
 6/21/2019 9:59:00 PM



#79
 Terphenyl-d14
 Concen: 47.748 ng
 RT: 20.06 min Scan# 2889
 Delta R.T. 0.00 min
 Lab File: BG041366.D
 Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.1	6.6	10.0
122	5.9	5.0	7.4





#81

Benzo(a)anthracene

Concen: 17.221 ng

RT: 21.73 min Scan# 3172

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

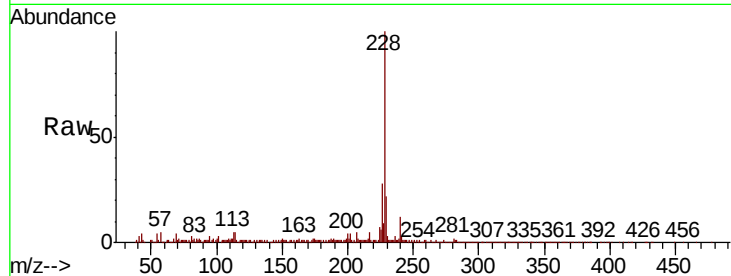
ClientSampleId :

TP-2-GIS

Tgt	Ion:228	Resp:	275931
Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.2	34.8
229	22.1	16.8	25.2

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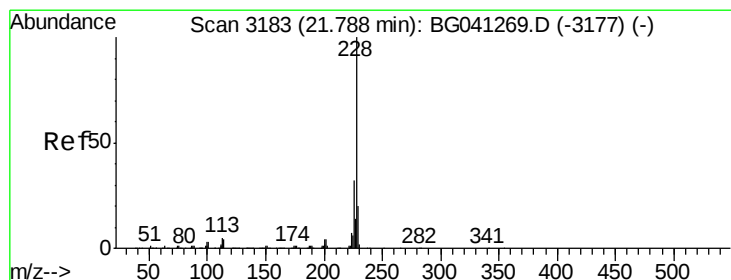
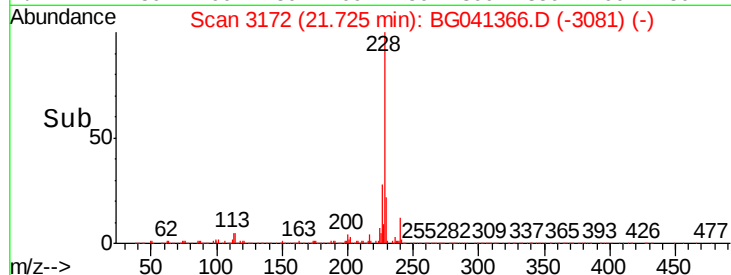
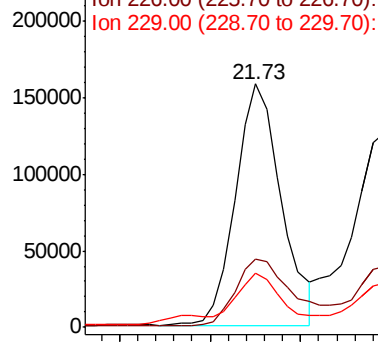


Abundance

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: 16.590 ng

RT: 21.80 min Scan# 3184

Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

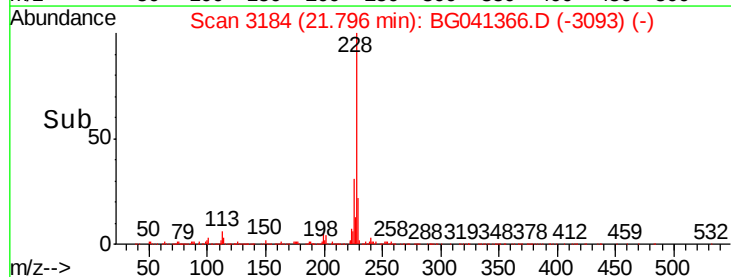
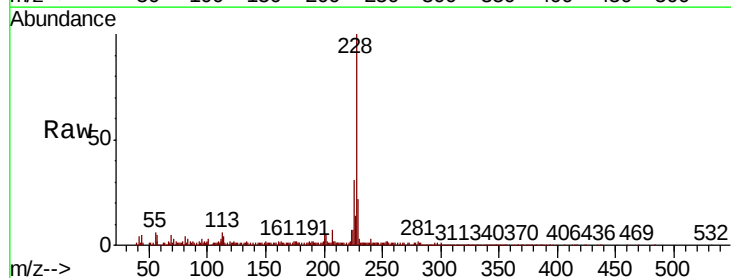
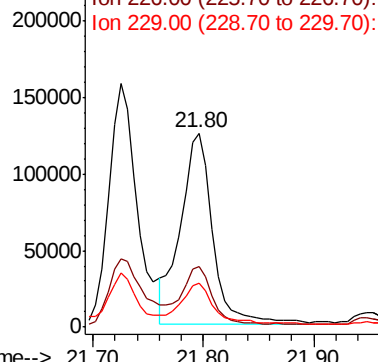
Tgt	Ion:228	Resp:	255635
Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.4	38.0
229	22.5	16.2	24.2

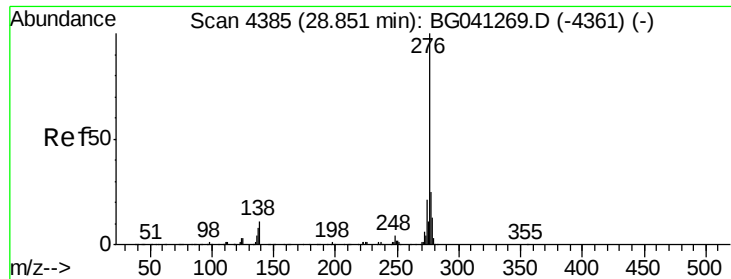
Abundance

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





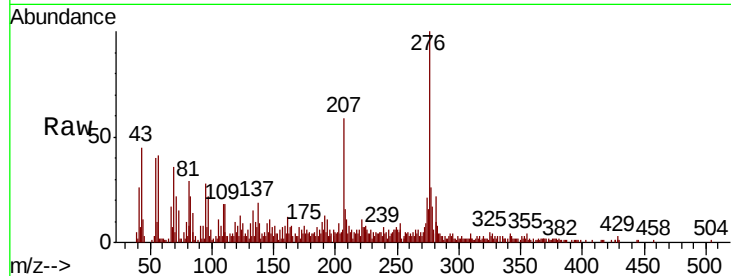
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.134 ng m
RT: 28.89 min Scan# 4391
Delta R.T. 0.04 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TP-2-GIS

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	7.7	11.5#
277	0.0	20.6	31.0#

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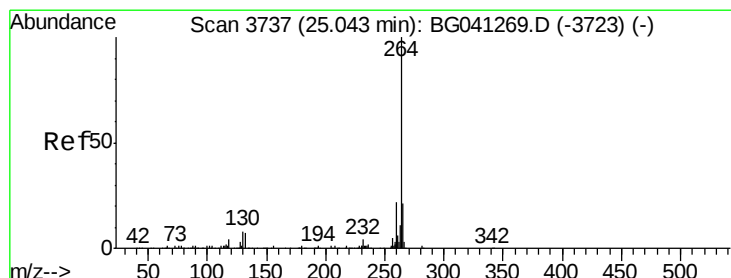
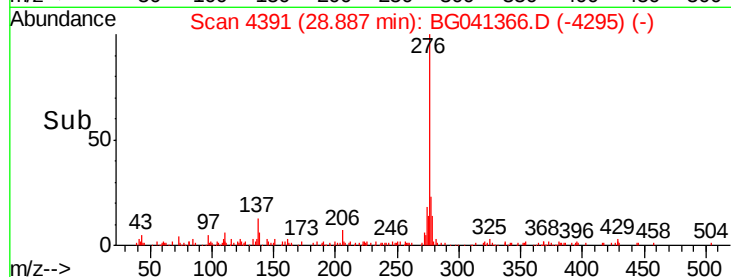
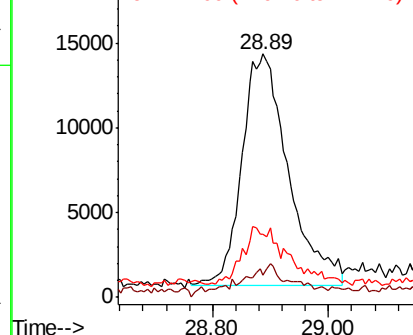


Abundance

Ion 276.00 (275.70 to 276.70): E

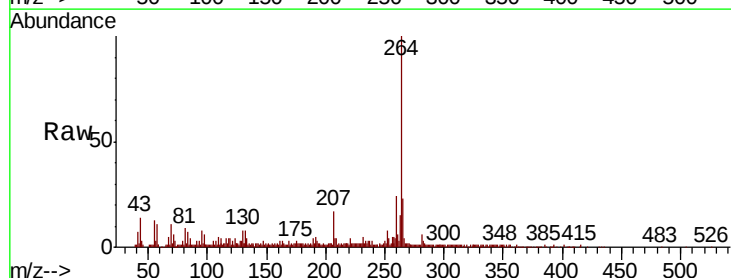
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 25.07 min Scan# 3742
Delta R.T. 0.03 min
Lab File: BG041366.D
Acq: 20 Jun 2019 20:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	17.4	26.2
265	22.6	17.2	25.8

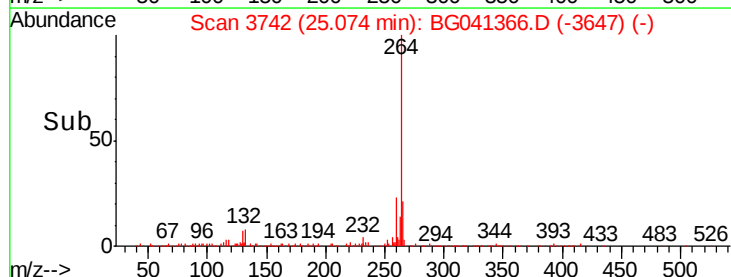
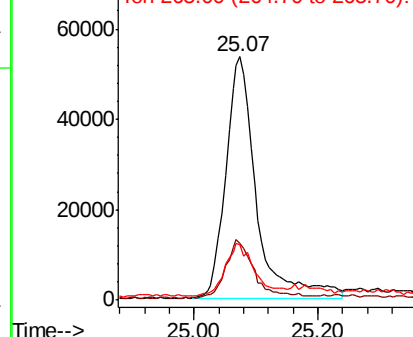


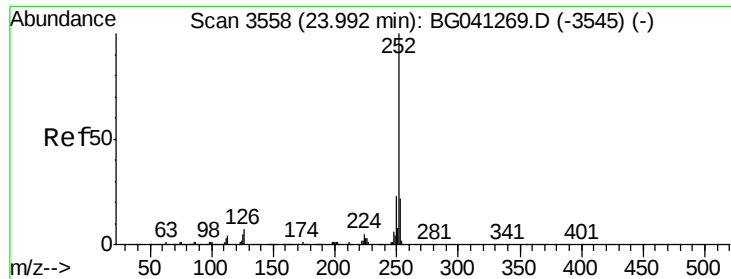
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 20.122 ng

RT: 24.01 min Scan# 3561

Delta R.T. 0.02 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

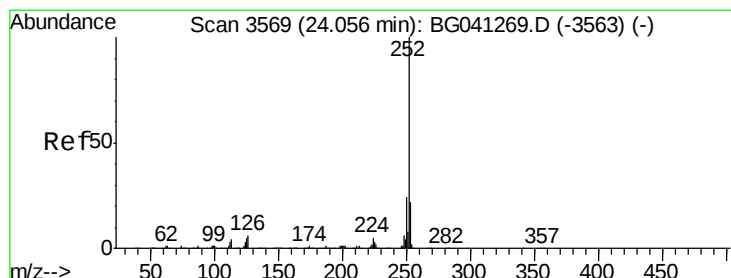
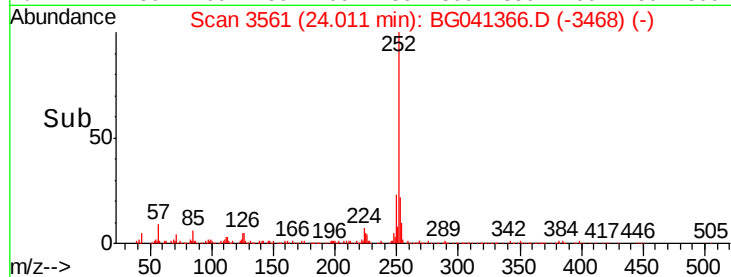
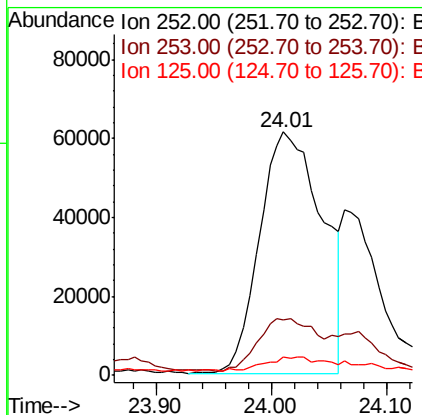
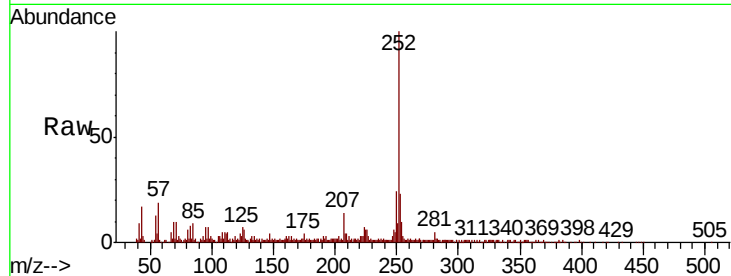
ClientSampleId :

TP-2-GIS

Tgt Ion:	252	Resp:	230932
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	7.4	3.9	5.9#

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#89

Benzo(k)fluoranthene

Concen: 6.890 ng m

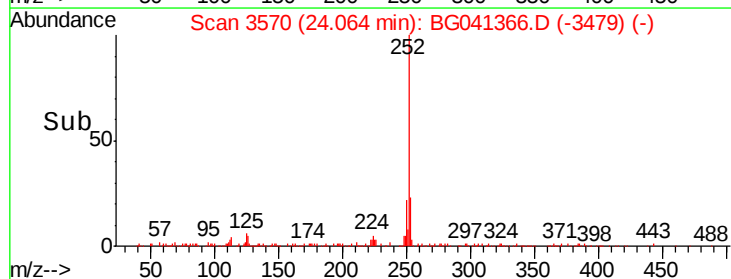
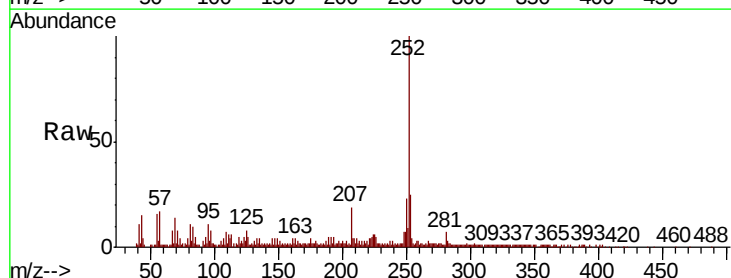
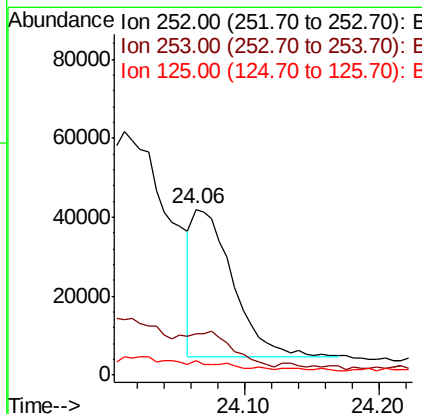
RT: 24.06 min Scan# 3570

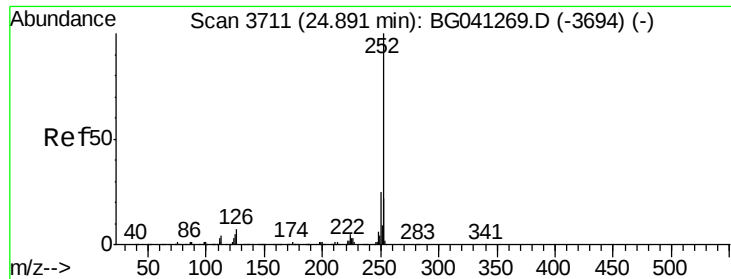
Delta R.T. 0.01 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Tgt Ion:	252	Resp:	78327
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.0	27.0
125	8.5	4.3	6.5#





#90

Benzo(a)pyrene

Concen: 14.373 ng

RT: 24.92 min Scan# 3715

Delta R.T. 0.03 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Instrument :

BNA_G

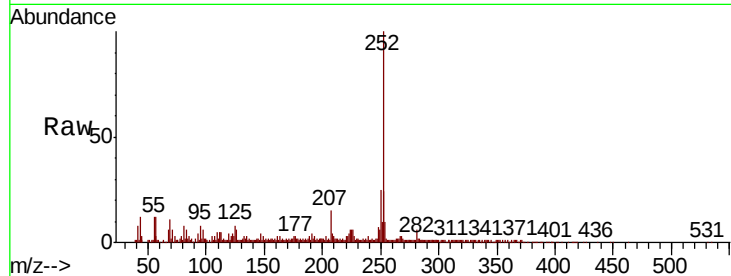
ClientSampleId :

TP-2-GIS

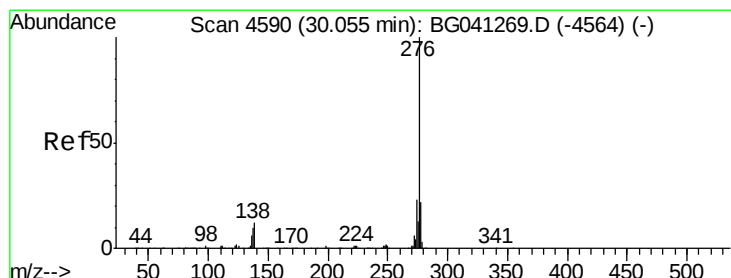
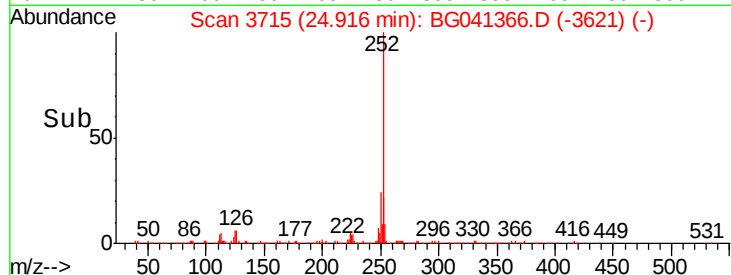
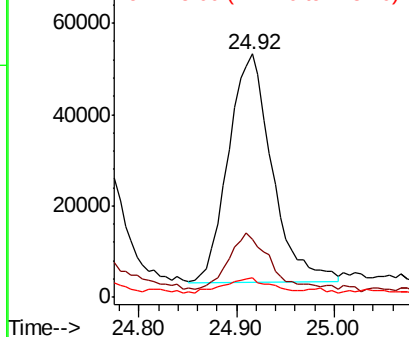
Tgt Ion:	252	Resp:	155781
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.6
125	8.0	4.2	6.4#

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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



#92

Benzo(g,h,i)perylene

Concen: 4.929 ng

RT: 30.09 min Scan# 4596

Delta R.T. 0.04 min

Lab File: BG041366.D

Acq: 20 Jun 2019 20:54

Tgt Ion:	276	Resp:	53154
Ion Ratio	Lower	Upper	
276	100		
277	29.0	17.9	26.9#
138	21.1	9.4	14.0#

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

