

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
 Data File : BG041367.D
 Acq On : 20 Jun 2019 21:32
 Operator : HP/JU
 Sample : K3455-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MH

Manual Integrations
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Quant Time: Jun 21 07:13:03 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	48291	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	185368	20.00	ng	0.00
39) Acenaphthene-d10	14.72	164	123305	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	271964	20.00	ng	0.00
76) Chrysene-d12	21.76	240	260096	20.00	ng	0.02
87) Perylene-d12	25.09	264	187867	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	248294	94.47	ng	0.00
7) Phenol-d6	7.24	99	374995	98.43	ng	0.00
23) Nitrobenzene-d5	9.26	82	274840	62.36	ng	0.00
42) 2,4,6-Tribromophenol	16.21	330	167622	88.55	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	536951	59.19	ng	0.00
79) Terphenyl-d14	20.06	244	682289	51.99	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.16	163	92430	8.425	ng	99
71) Phenanthrene	17.51	178	1133645	78.156	ng	98
72) Anthracene	17.60	178	190483	13.321	ng	98
73) Carbazole	17.88	167	45383	3.628	ng	97
75) Fluoranthene	19.53	202	2798021	145.202	ng	82
78) Pyrene	19.90	202	3104273	176.972	ng	# 77
81) Benzo(a)anthracene	21.74	228	2431430	138.065	ng	91
83) Chrysene	21.82	228	2726825	161.008	ng	# 87
86) Indeno(1,2,3-cd)pyrene	28.93	276	770863	38.364	ng	96
88) Benzo(b)fluoranthene	24.05	252	2323943	199.604	ng	95
89) Benzo(k)fluoranthene	24.10	252	849607m	73.662	ng	
90) Benzo(a)pyrene	24.95	252	1588314	144.449	ng	96
91) Dibenzo(a,h)anthracene	28.96	278	222788	20.126	ng	94
92) Benzo(g,h,i)perylene	30.14	276	702224	64.190	ng	95

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

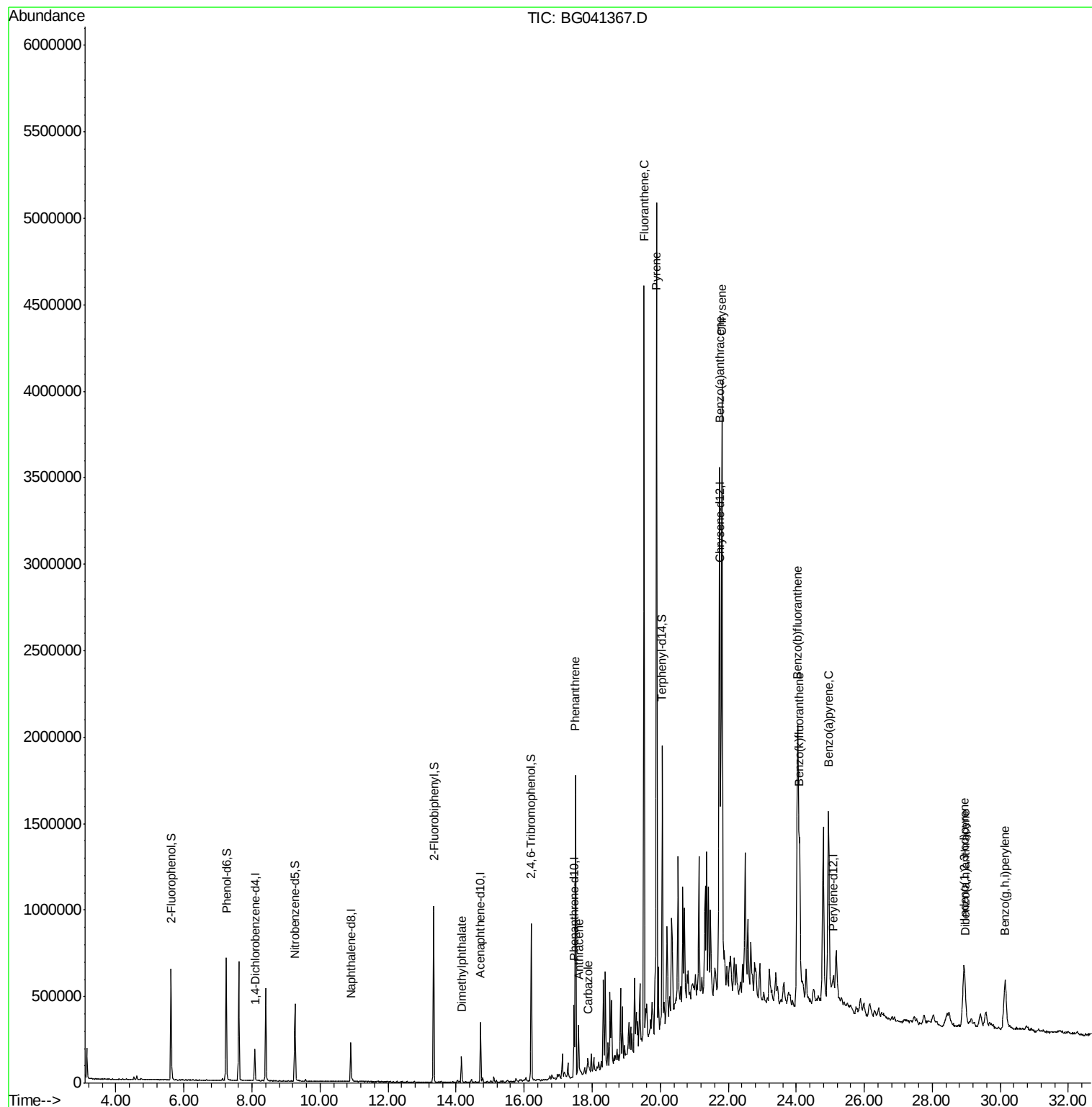
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041367.D
Acq On : 20 Jun 2019 21:32
Operator : HP/JU
Sample : K3455-01
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ALS Vial : 16 Sample Multiplier: 1

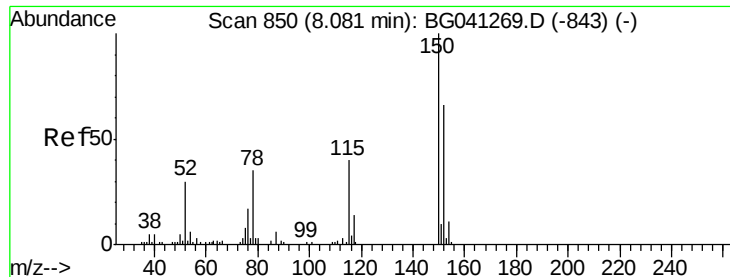
Instrument :
BNA_G
ClientSampled :
TP-1-MH

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Quant Time: Jun 21 07:13:03 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





#1

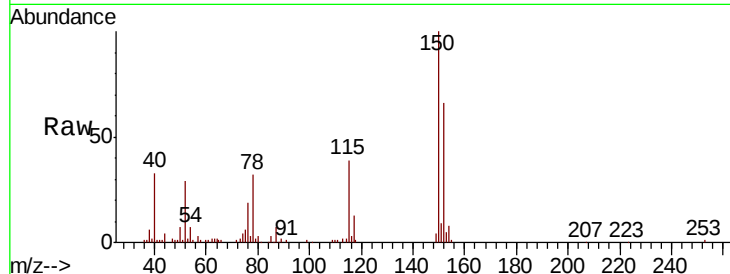
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 850
Delta R.T. 0.00 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Instrument :
BNA_G
ClientSampled :
TP-1-MH

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	48291		
150	152.2	120.6	181.0	
115	59.8	47.9	71.9	

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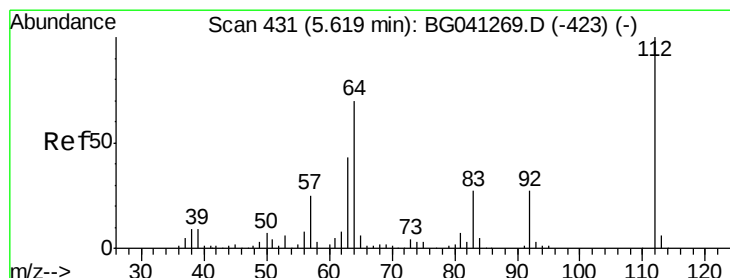
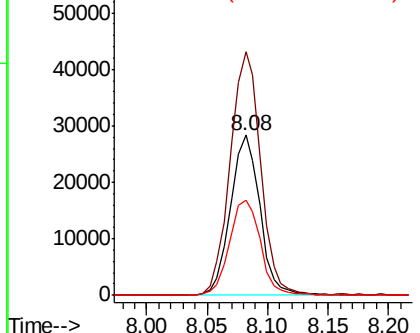
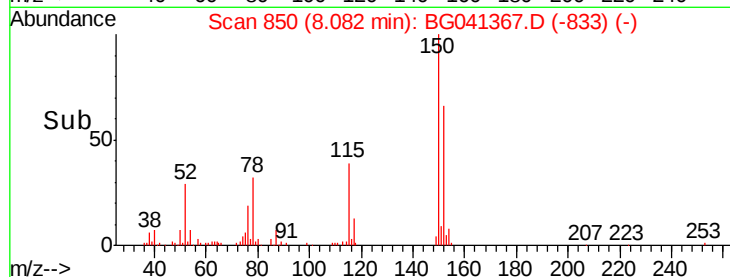


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

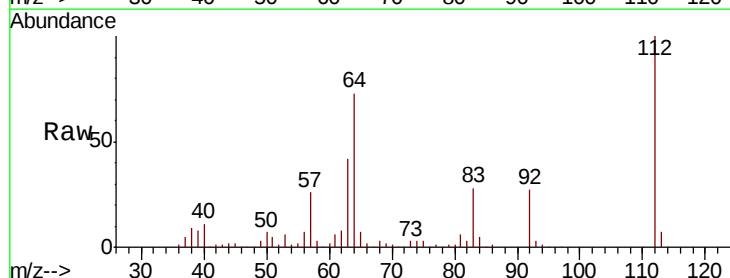
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.473 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	248294		
64	72.7	55.9	83.9	
63	42.4	34.6	51.8	

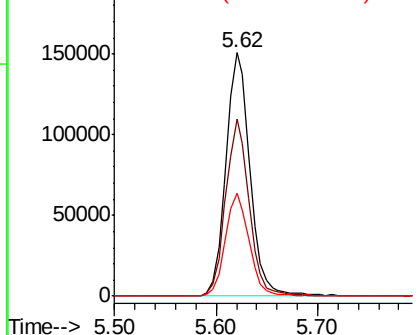
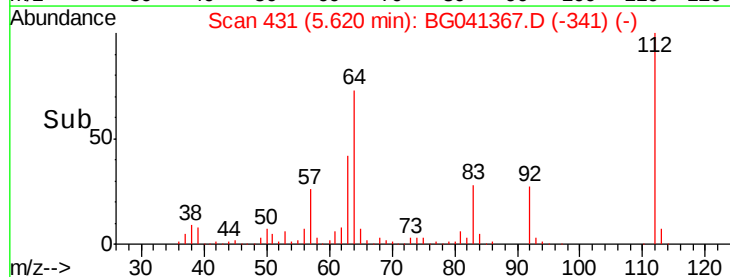


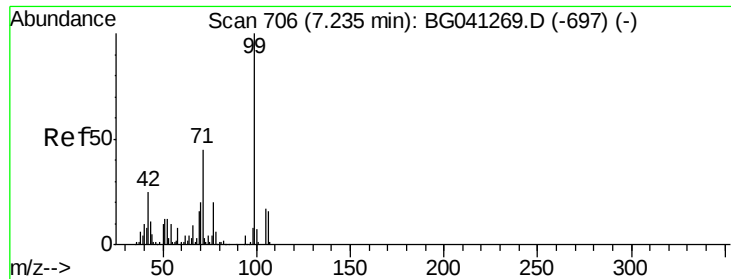
Abundance

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: 98.434 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Instrument :

BNA_G

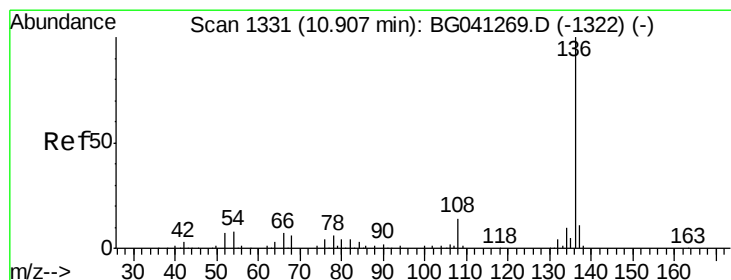
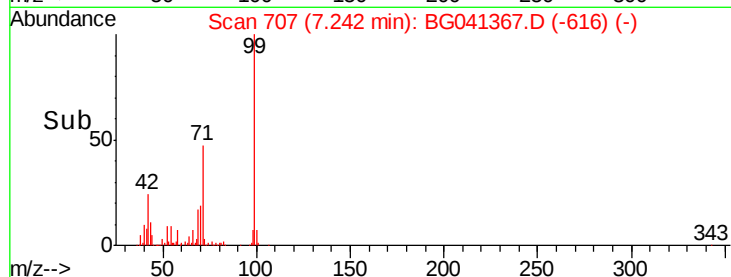
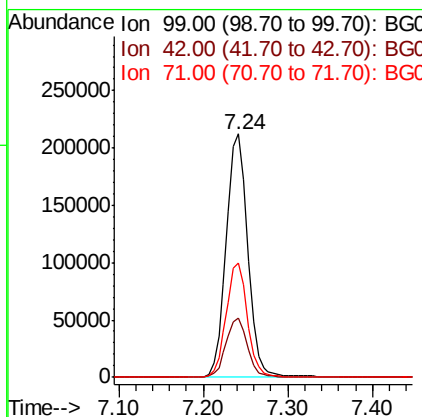
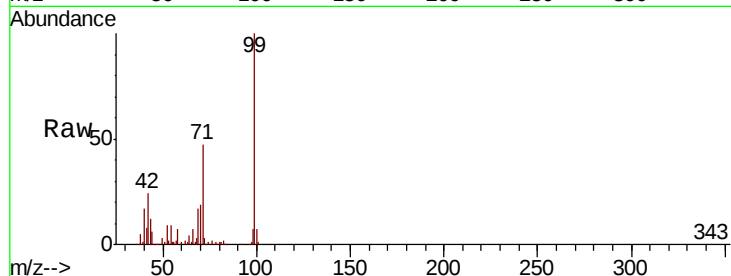
ClientSampled :

TP-1-MH

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		374995		
42	24.4	19.9		29.9	
71	46.7	36.4		54.6	

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#21

Naphthalene-d8

Concen: 20.000 ng

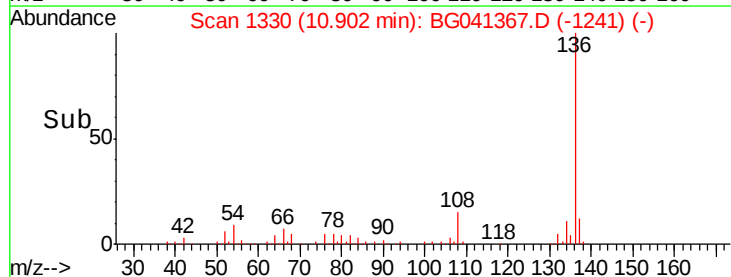
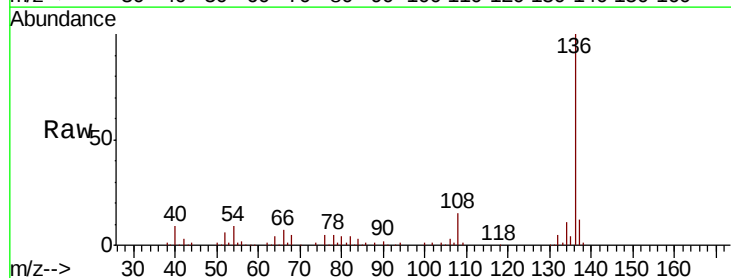
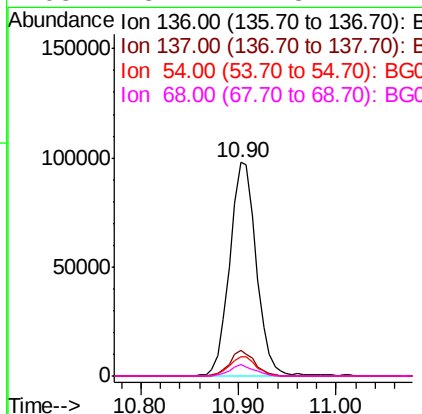
RT: 10.90 min Scan# 1330

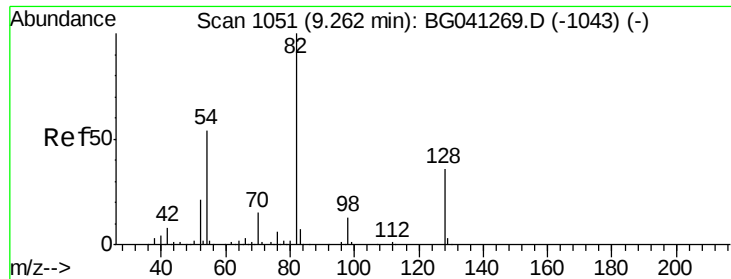
Delta R.T. -0.00 min

Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		185368		
137	12.1	8.8		13.2	
54	9.0	6.4		9.6	
68	5.2	4.8		7.2	





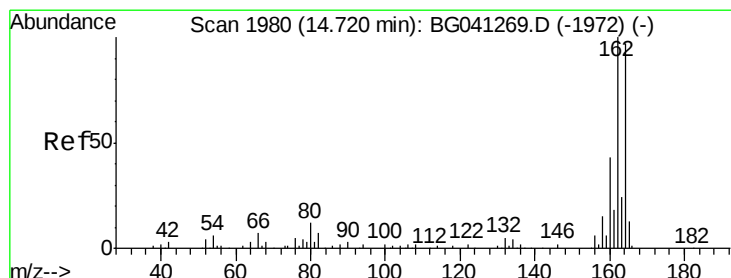
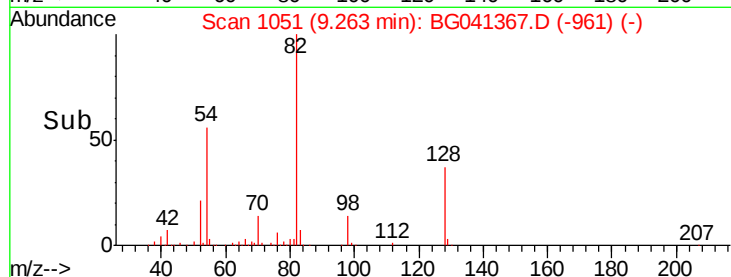
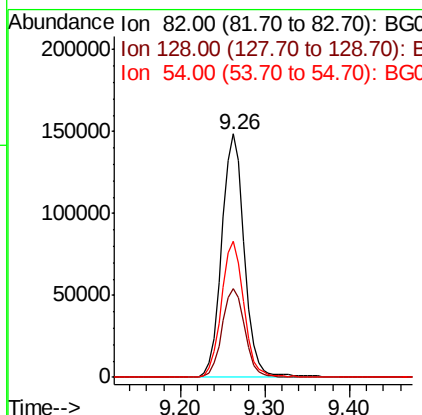
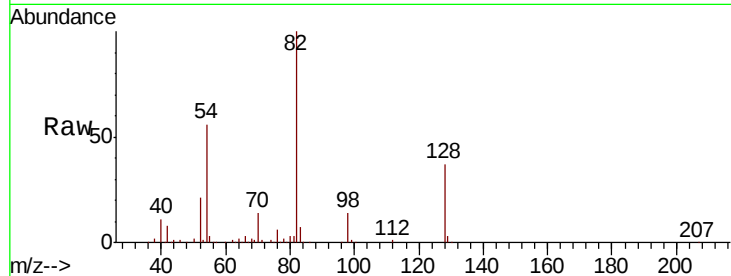
#23
 Nitrobenzene-d5
 Concen: 62.356 ng
 RT: 9.26 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: BG041367.D
 Acq: 20 Jun 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MH

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	274840		
128	36.6	29.2	43.8	
54	55.9	43.4	65.0	

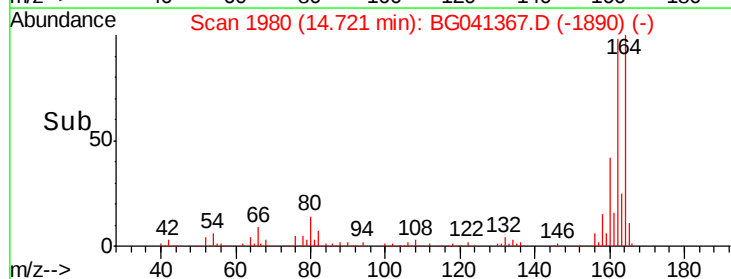
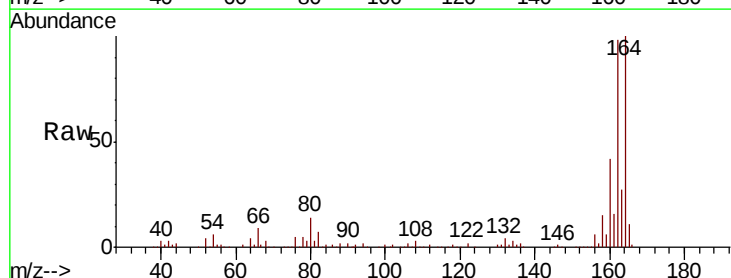
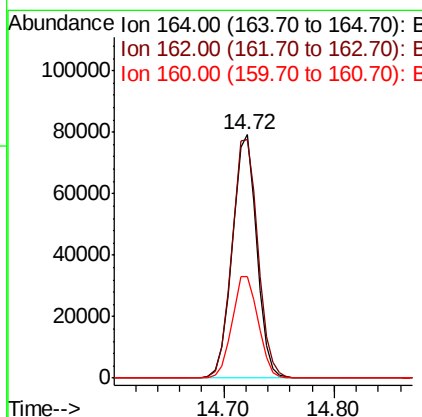
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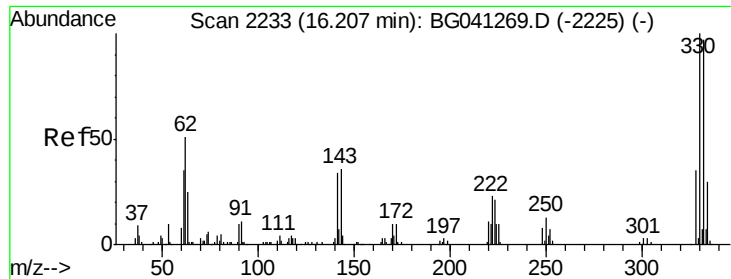
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.72 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: BG041367.D
 Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	123305		
162	98.0	82.8	124.2	
160	41.8	35.8	53.8	





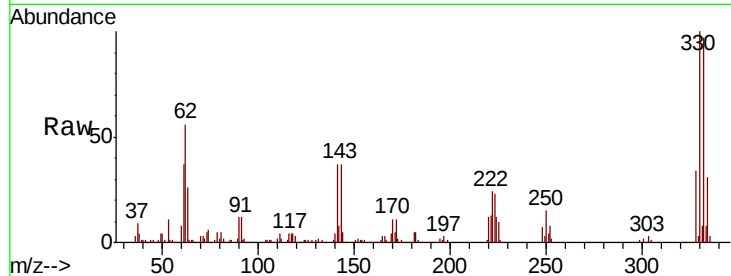
#42
 2,4,6-Tribromophenol
 Concen: 88.548 ng
 RT: 16.21 min Scan# 2233
 Delta R.T. 0.00 min
 Lab File: BG041367.D
 Acq: 20 Jun 2019 21:32

Instrument :
 BNA_G
 ClientSampled :
 TP-1-MH

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	167622		
332	94.8	75.5	113.3	
141	37.0	29.0	43.4	

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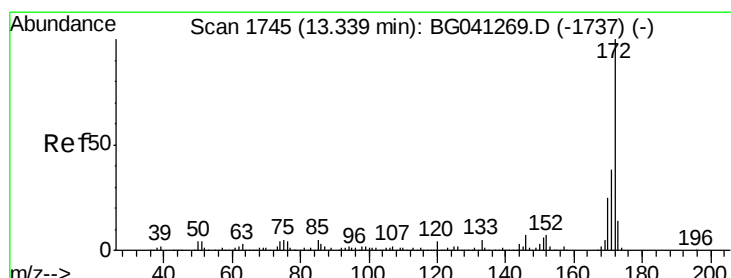
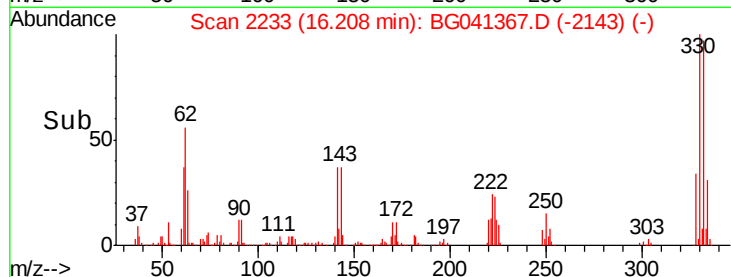
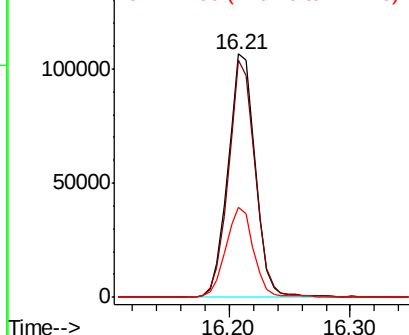


Abundance

Ion 329.80 (329.50 to 330.50): E

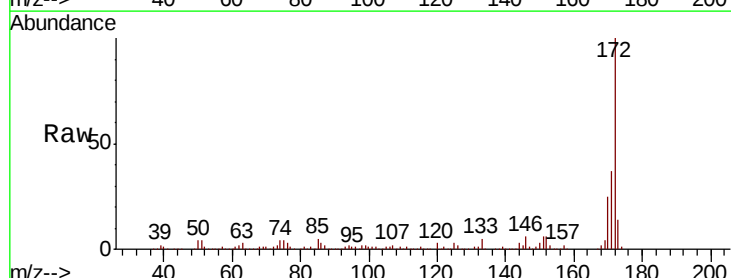
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 59.187 ng
 RT: 13.34 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: BG041367.D
 Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	536951		
171	36.6	30.0	45.0	
170	24.6	19.8	29.6	

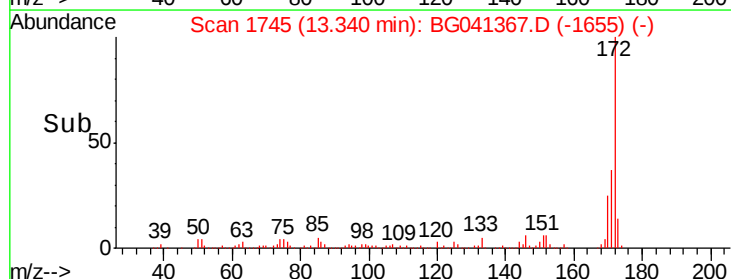
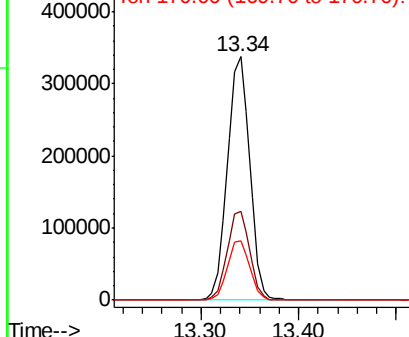


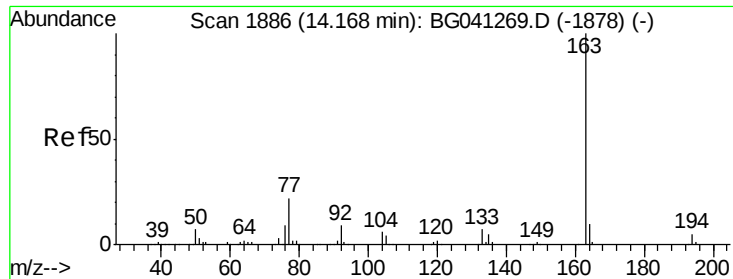
Abundance

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





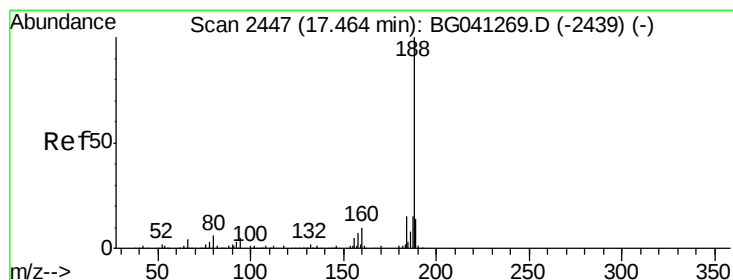
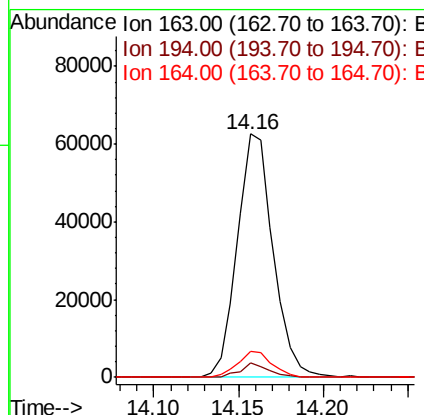
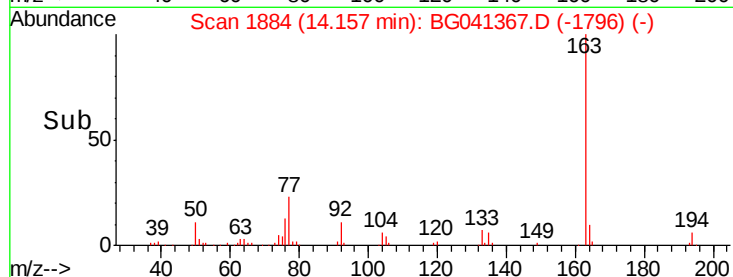
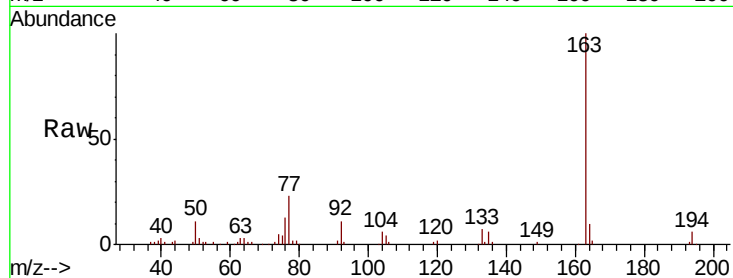
#50
Dimethylphthalate
Concen: 8.425 ng
RT: 14.16 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Instrument :
BNA_G
ClientSampleId :
TP-1-MH

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	92430		
194	5.8	3.9	5.9	
164	10.5	8.3	12.5	

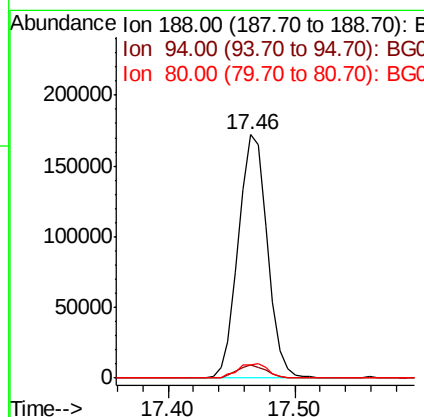
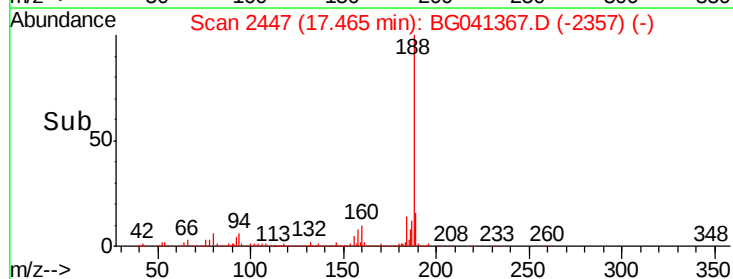
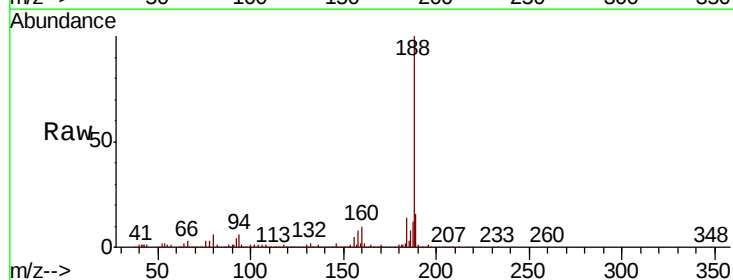
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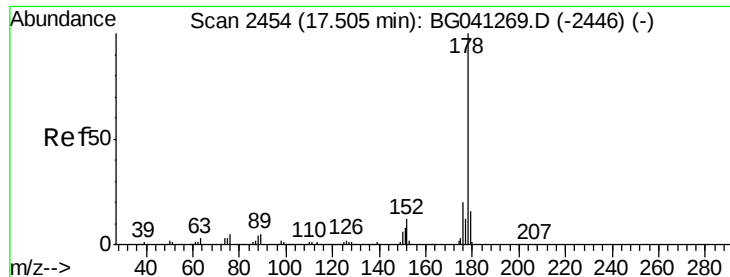
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.46 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	271964		
94	5.6	3.6	5.4#	
80	5.6	4.8	7.2	





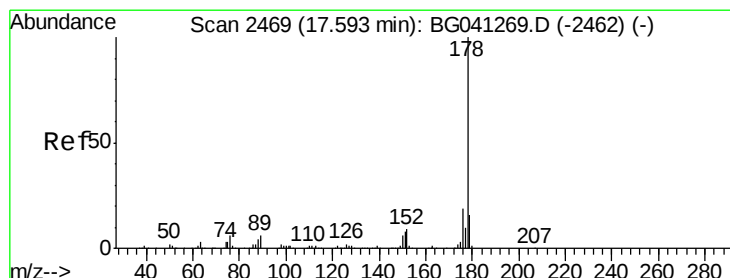
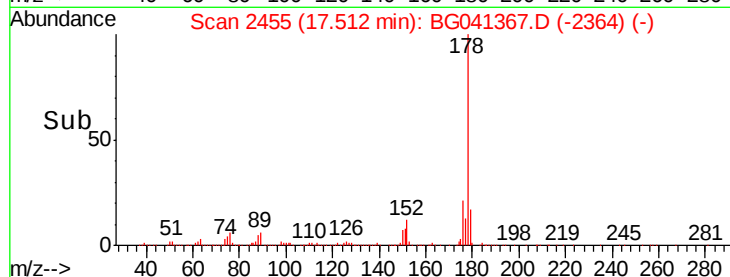
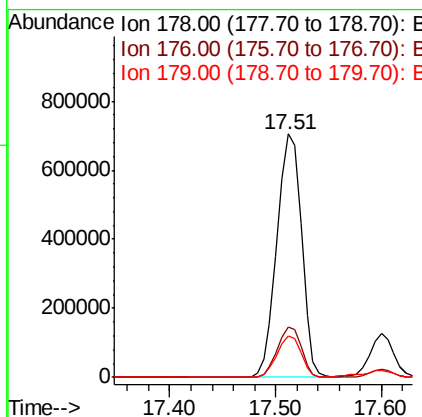
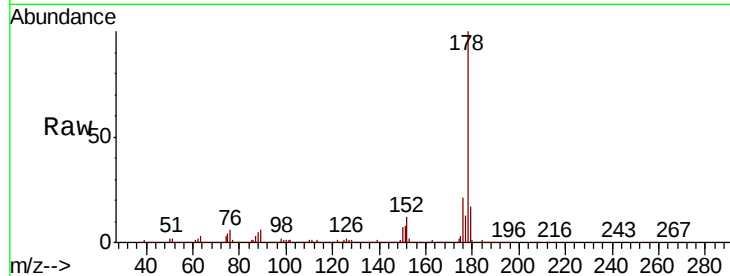
#71
Phenanthrene
Concen: 78.156 ng
RT: 17.51 min Scan# 2455
Delta R.T. 0.01 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Instrument :
BNA_G
ClientSampleId :
TP-1-MH

Tgt Ion:178 Resp: 1133645
Ion Ratio Lower Upper
178 100
176 20.7 16.1 24.1
179 17.2 12.9 19.3

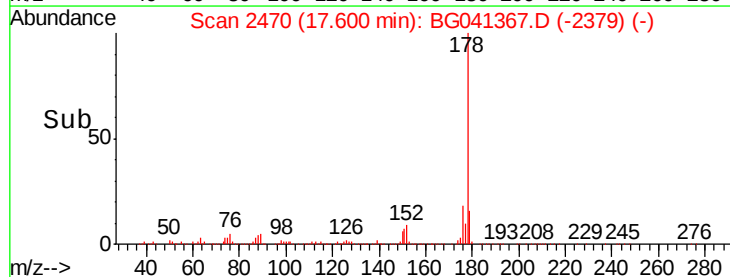
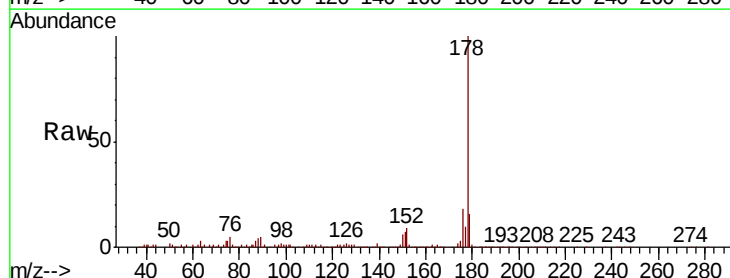
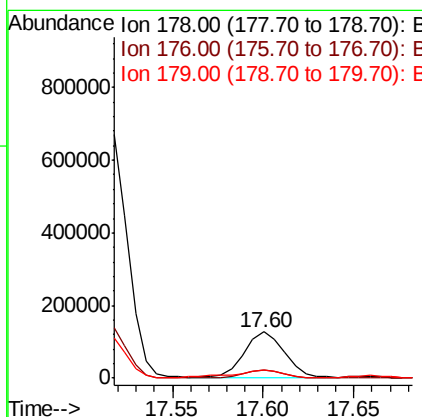
Manual Integrations
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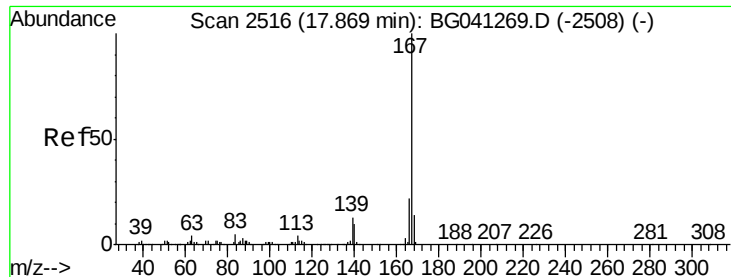
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#72
Anthracene
Concen: 13.321 ng
RT: 17.60 min Scan# 2470
Delta R.T. 0.01 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Tgt Ion:178 Resp: 190483
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.2
179 16.3 13.0 19.4





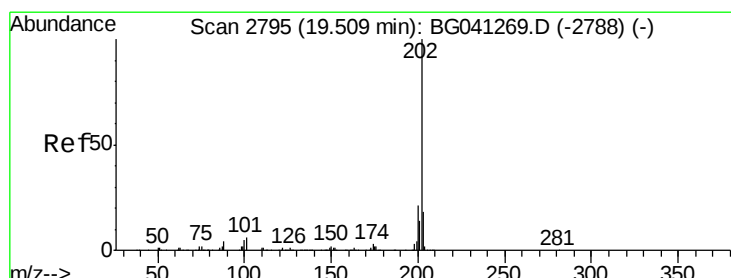
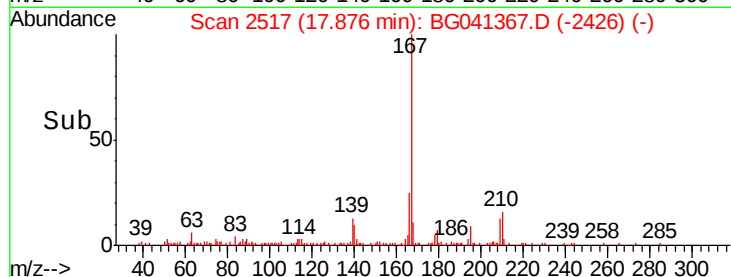
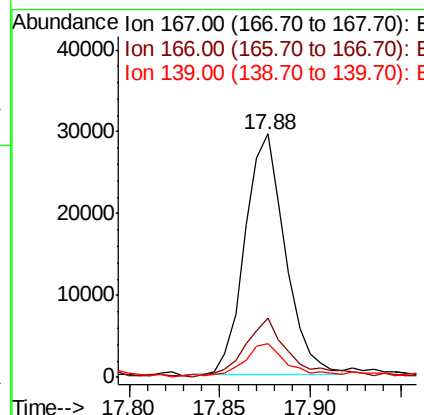
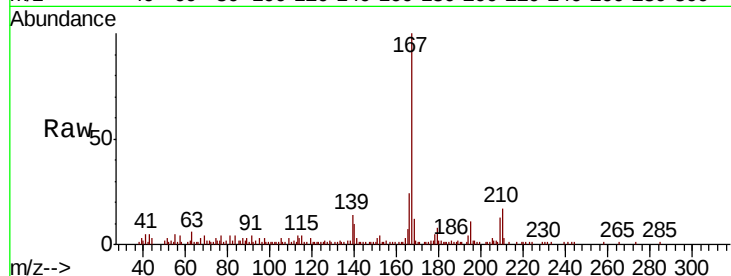
#73
 Carbazole
 Concen: 3.628 ng
 RT: 17.88 min Scan# 2517
 Delta R.T. 0.01 min
 Lab File: BG041367.D
 Acq: 20 Jun 2019 21:32

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-MH

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.4	17.9	26.9
139	13.9	10.7	16.1

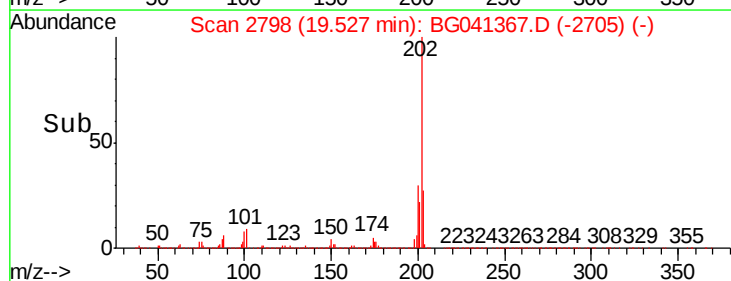
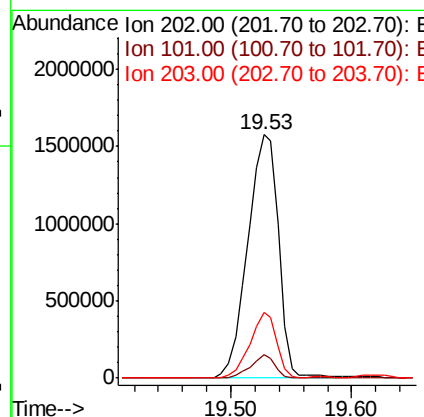
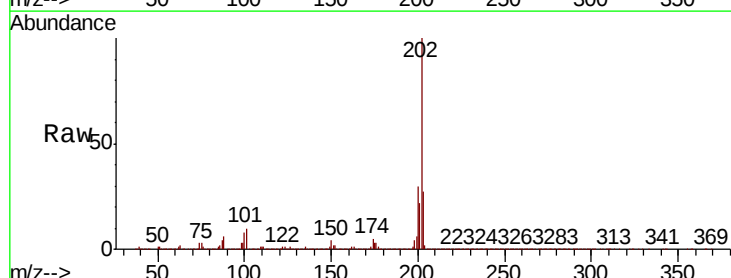
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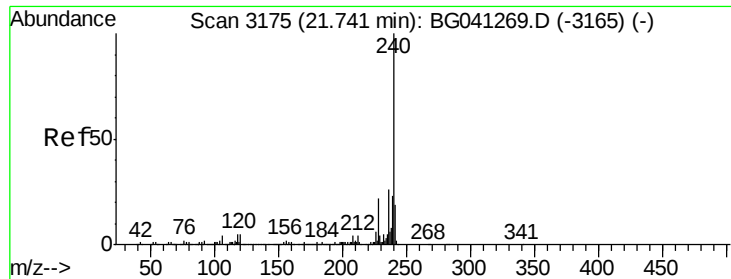
mohammad
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#75
 Fluoranthene
 Concen: 145.202 ng
 RT: 19.53 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: BG041367.D
 Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	26.0
203	26.8	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3178

Delta R.T. 0.02 min

Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Instrument :

BNA_G

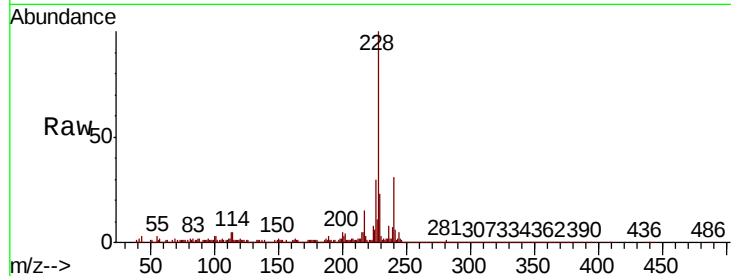
ClientSampleId :

TP-1-MH

Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.7	3.7	5.5#
236	26.2	21.1	31.7

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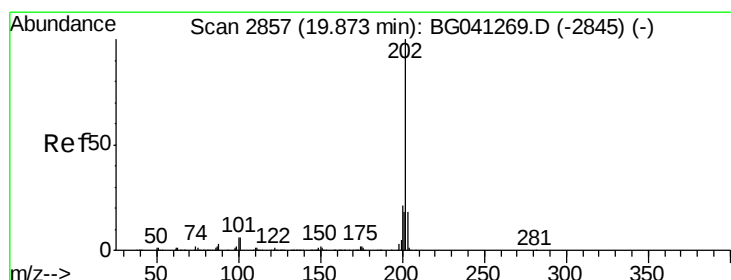
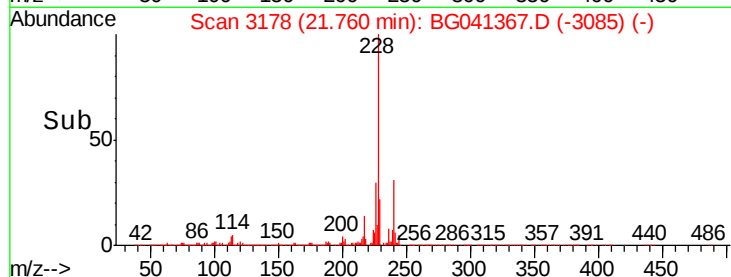
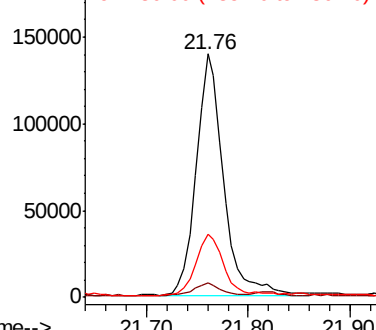


Abundance

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: 176.972 ng

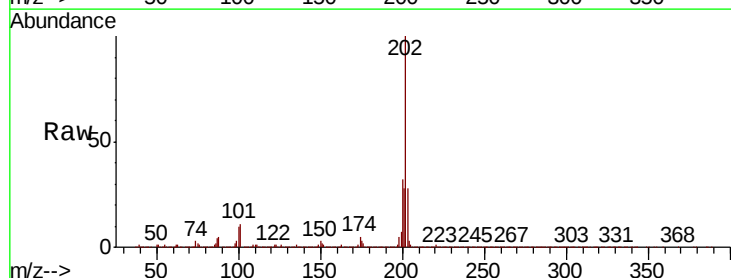
RT: 19.90 min Scan# 2861

Delta R.T. 0.02 min

Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	32.3	16.8	25.2#
203	27.8	14.6	21.8#

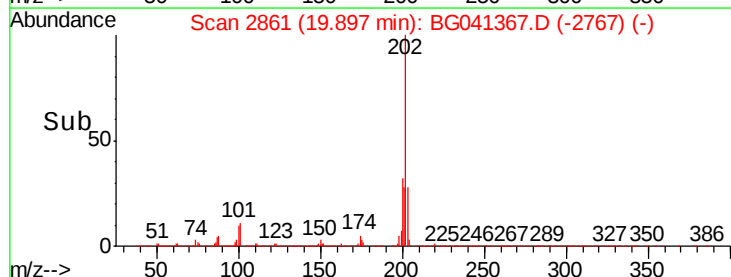
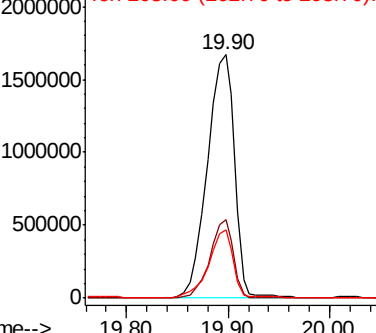


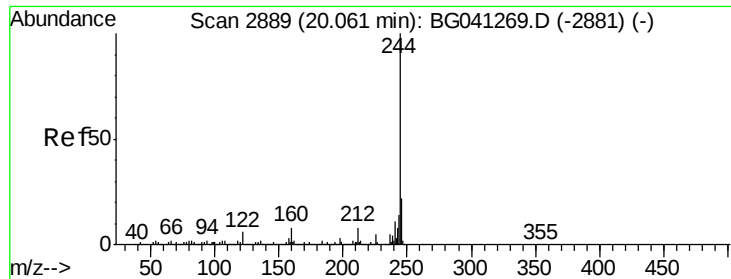
Abundance

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: 51.987 ng

RT: 20.06 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Instrument :

BNA_G

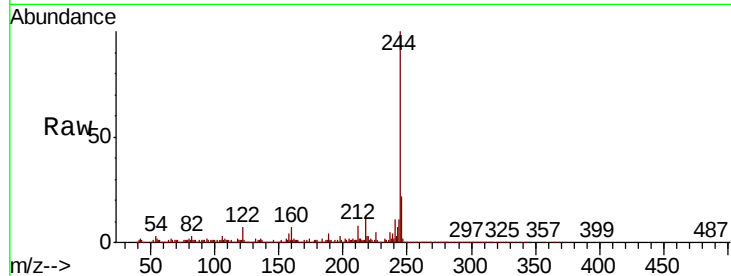
ClientSampleId :

TP-1-MH

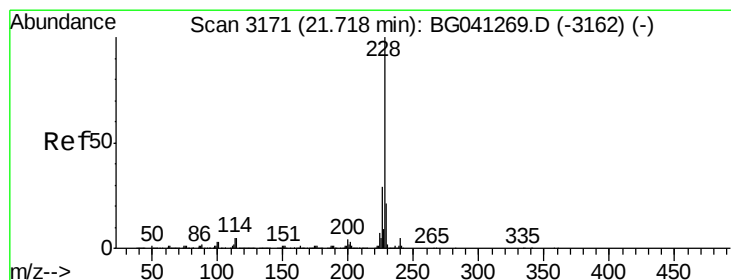
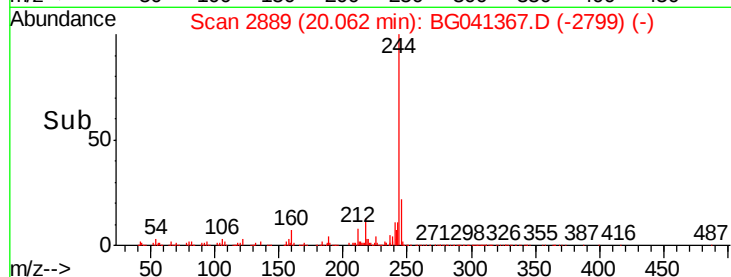
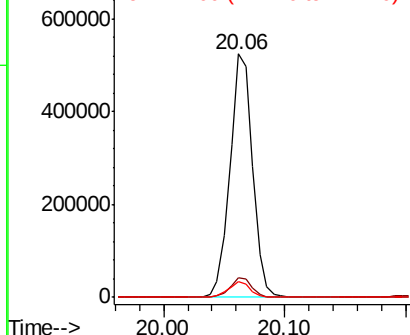
Tgt	Ion	244	Resp:	682289
	Ratio	100	Lower	Upper
	244	100		
	212	8.0	6.6	10.0
	122	6.7	5.0	7.4

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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: 138.065 ng

RT: 21.74 min Scan# 3175

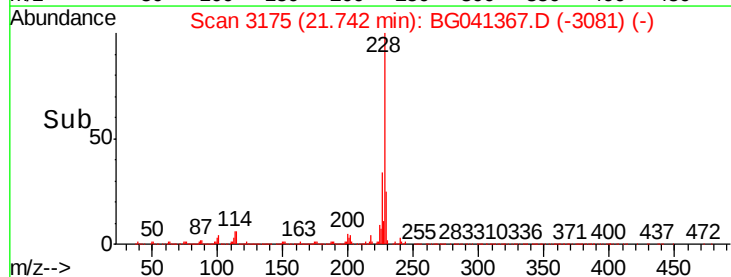
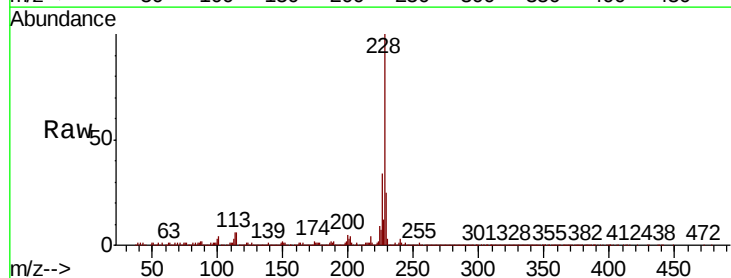
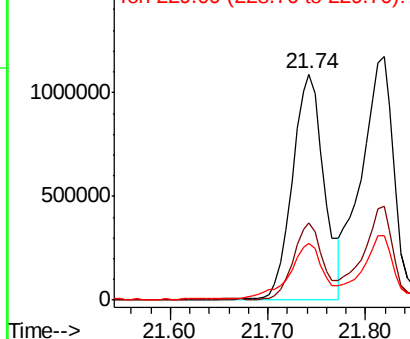
Delta R.T. 0.02 min

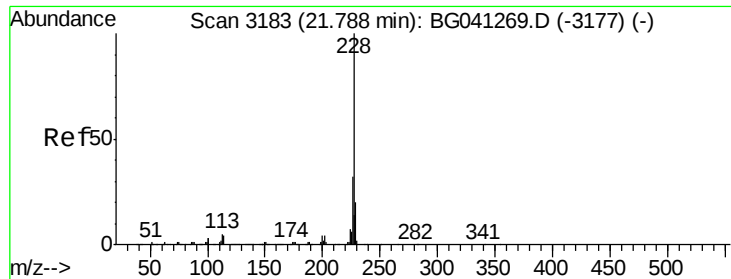
Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Tgt	Ion	228	Resp:	2431430
	Ratio	100	Lower	Upper
	228	100		
	226	34.0	23.2	34.8
	229	25.2	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





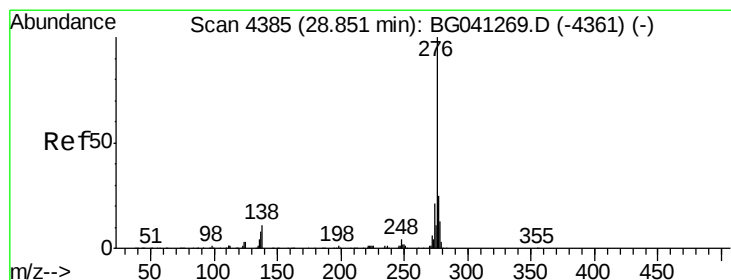
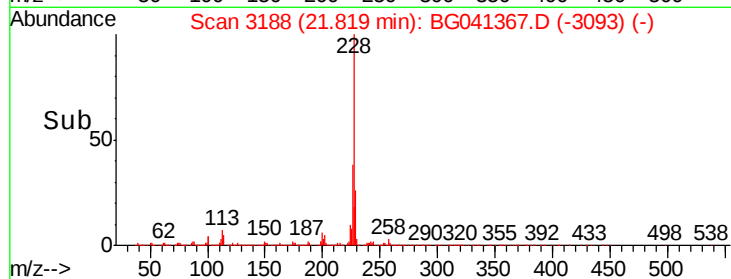
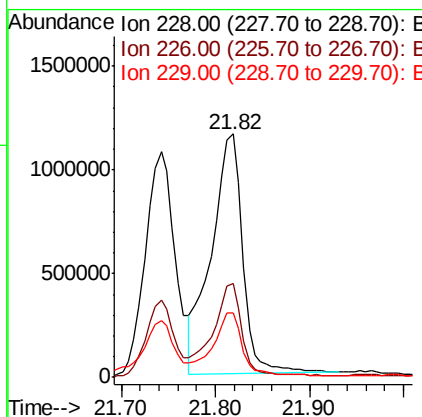
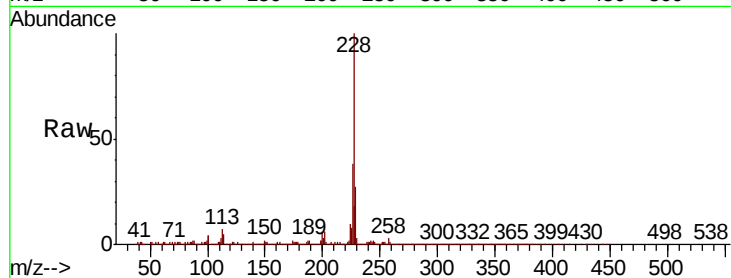
#83
Chrysene
Concen: 161.008 ng
RT: 21.82 min Scan# 3188
Delta R.T. 0.03 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Instrument :
BNA_G
ClientSampleId :
TP-1-MH

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.4	25.4	38.0#
229	26.6	16.2	24.2#

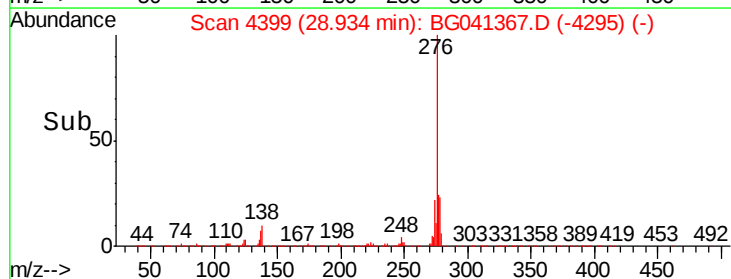
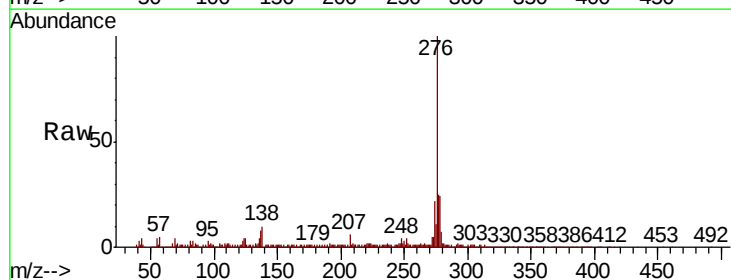
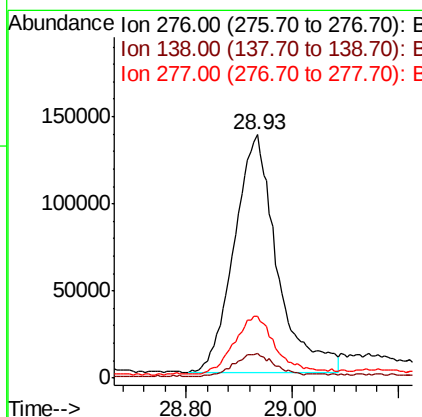
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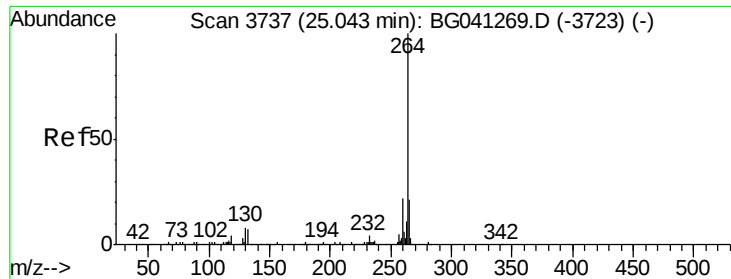
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#86
Indeno(1,2,3-cd)pyrene
Concen: 38.364 ng
RT: 28.93 min Scan# 4399
Delta R.T. 0.08 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.0	7.7	11.5
277	23.6	20.6	31.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3744

Delta R.T. 0.04 min

Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Instrument :

BNA_G

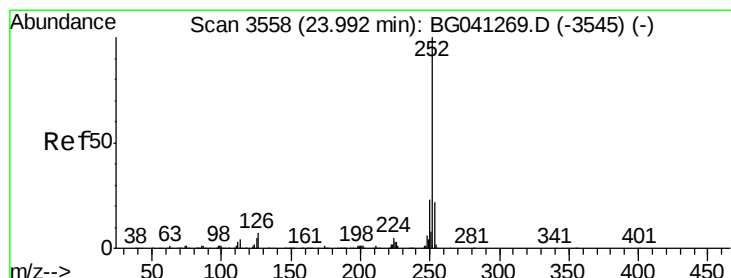
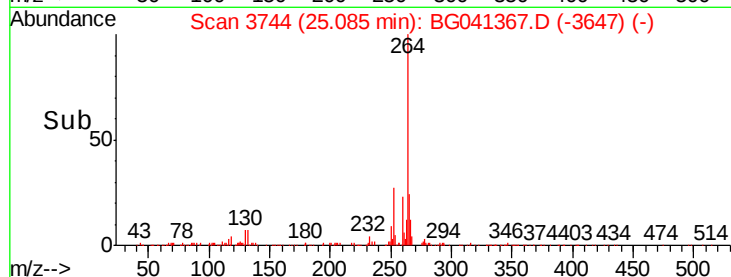
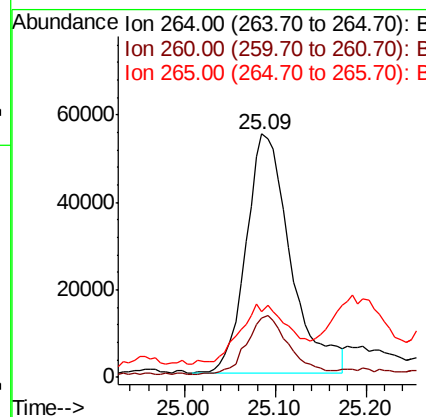
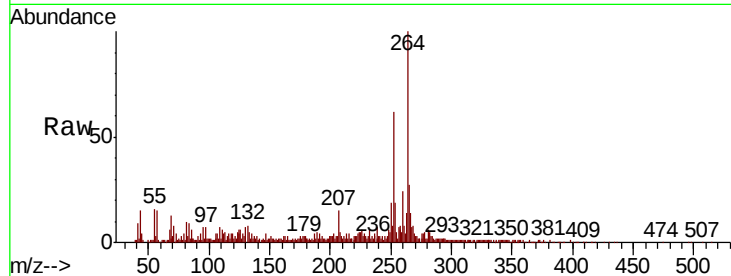
ClientSampleId :

TP-1-MH

Tgt Ion:	264	Resp:	187867
Ion Ratio		Lower	Upper
264	100		
260	24.5	17.4	26.2
265	26.9	17.2	25.8#

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#88

Benzo(b)fluoranthene

Concen: 199.604 ng

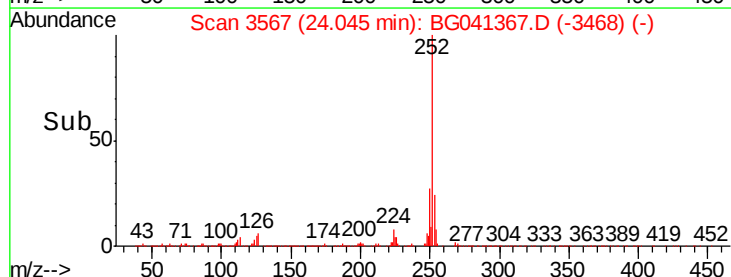
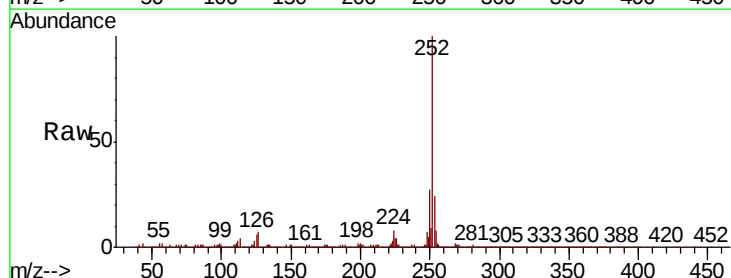
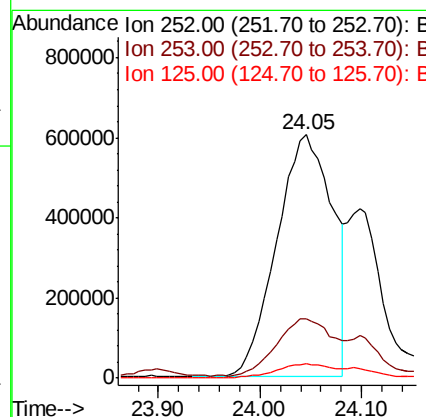
RT: 24.05 min Scan# 3567

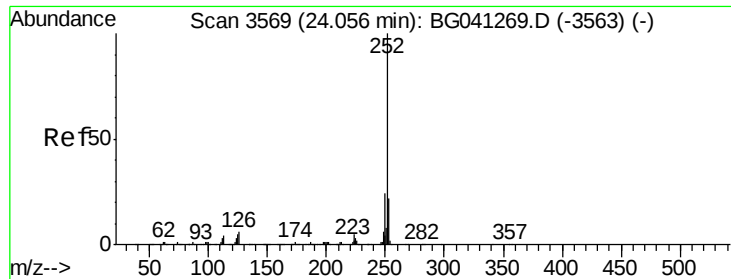
Delta R.T. 0.05 min

Lab File: BG041367.D

Acq: 20 Jun 2019 21:32

Tgt Ion:	252	Resp:	2323943
Ion Ratio		Lower	Upper
252	100		
253	24.5	17.4	26.0
125	5.8	3.9	5.9





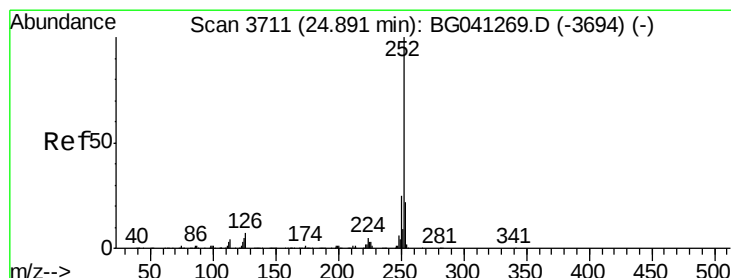
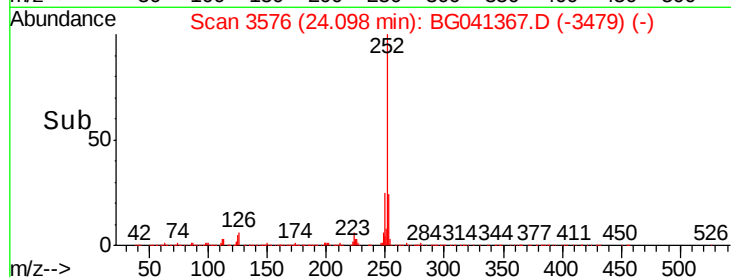
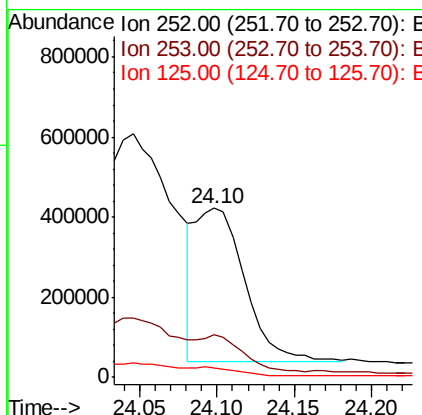
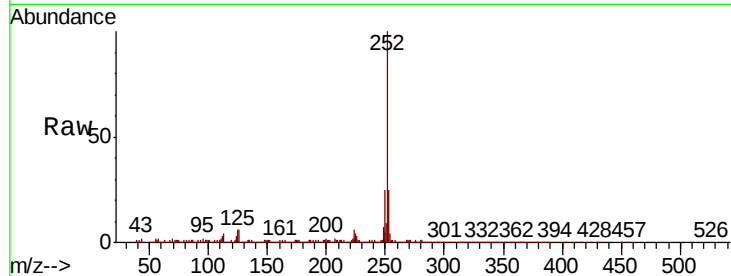
#89
Benzo(k)fluoranthene
Concen: 73.662 ng m
RT: 24.10 min Scan# 3576
Delta R.T. 0.04 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Instrument :
BNA_G
ClientSampleId :
TP-1-MH

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	5.9	4.3	6.5

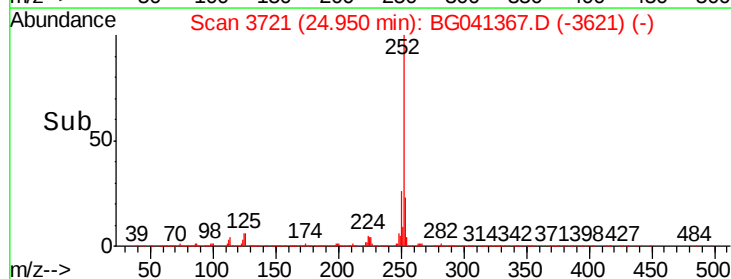
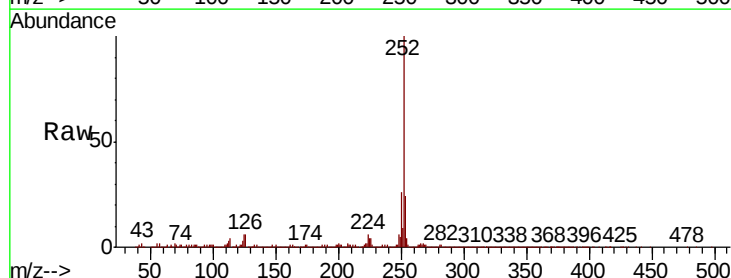
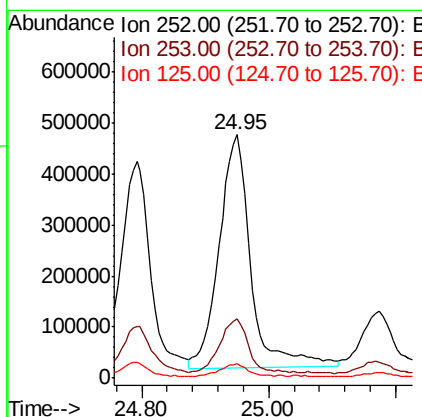
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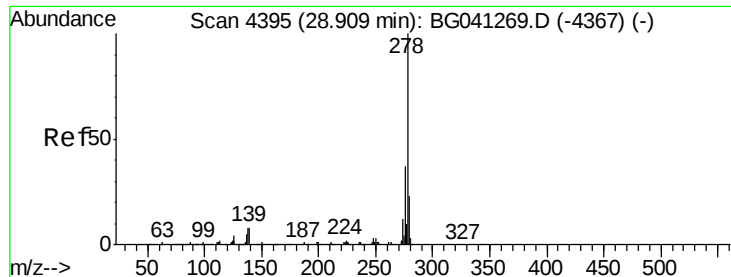
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#90
Benzo(a)pyrene
Concen: 144.449 ng
RT: 24.95 min Scan# 3721
Delta R.T. 0.06 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	5.8	4.2	6.4





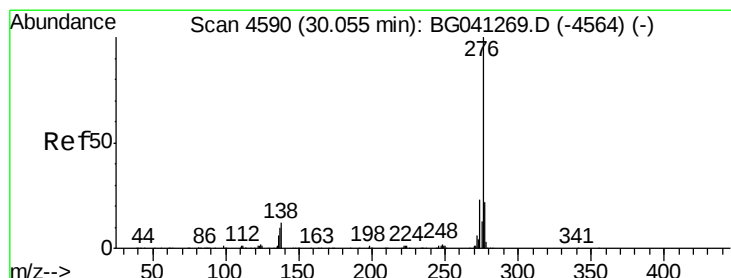
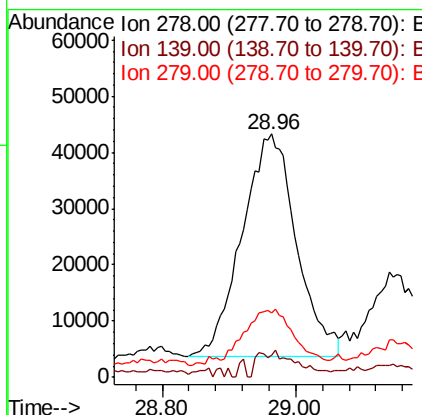
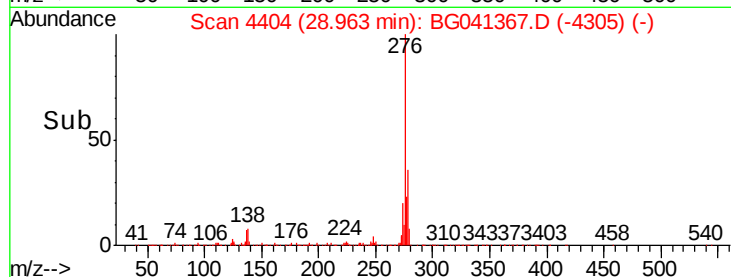
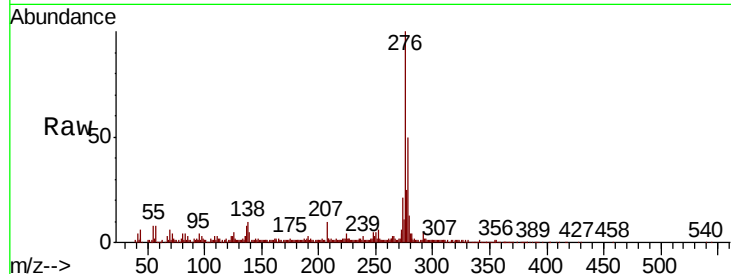
#91
Dibenzo(a,h)anthracene
Concen: 20.126 ng
RT: 28.96 min Scan# 4404
Delta R.T. 0.05 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Instrument :
BNA_G
ClientSampleId :
TP-1-MH

Tgt Ion	Ratio	Lower	Upper
278	100		
139	9.3	6.6	10.0
279	26.3	18.5	27.7

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#92
Benzo(g,h,i)perylene
Concen: 64.190 ng
RT: 30.14 min Scan# 4604
Delta R.T. 0.08 min
Lab File: BG041367.D
Acq: 20 Jun 2019 21:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	9.9	9.4	14.0

