

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\
 Data File : BG041300.D
 Acq On : 18 Jun 2019 16:51
 Operator : HP/JU
 Sample : K3351-07DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3860DL

Manual Integrations
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Quant Time: Jun 18 17:31:45 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	34669	20.00	ng	0.00
21) Naphthalene-d8	10.90	136	130403	20.00	ng	0.00
39) Acenaphthene-d10	14.71	164	97076	20.00	ng	0.00
64) Phenanthrene-d10	17.46	188	242982	20.00	ng	0.00
76) Chrysene-d12	21.74	240	258475	20.00	ng	0.00
87) Perylene-d12	25.05	264	271945	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	25335	13.43	ng	0.00
7) Phenol-d6	7.23	99	36081	13.19	ng	0.00
23) Nitrobenzene-d5	9.26	82	25919	8.36	ng	0.00
42) 2,4,6-Tribromophenol	16.20	330	16677	11.19	ng	0.00
45) 2-Fluorobiphenyl	13.34	172	49244	6.89	ng	0.00
79) Terphenyl-d14	20.06	244	95291	7.31	ng	0.00
Target Compounds						
52) Acenaphthene	14.78	154	66011	11.725	ng	92
55) Dibenzofuran	15.11	168	57744	5.899	ng	98
58) Fluorene	15.76	166	78074	10.139	ng	100
71) Phenanthrene	17.50	178	479900	37.032	ng	99
72) Anthracene	17.60	178	41026	3.211	ng	98
75) Fluoranthene	19.51	202	664652	38.606	ng	98
78) Pyrene	19.87	202	462953	26.558	ng	99
81) Benzo(a)anthracene	21.72	228	133709	7.640	ng	97
83) Chrysene	21.78	228	114903	6.827	ng	98
88) Benzo(b)fluoranthene	23.98	252	70012m	4.154	ng	
90) Benzo(a)pyrene	24.89	252	37431	2.352	ng	# 95

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

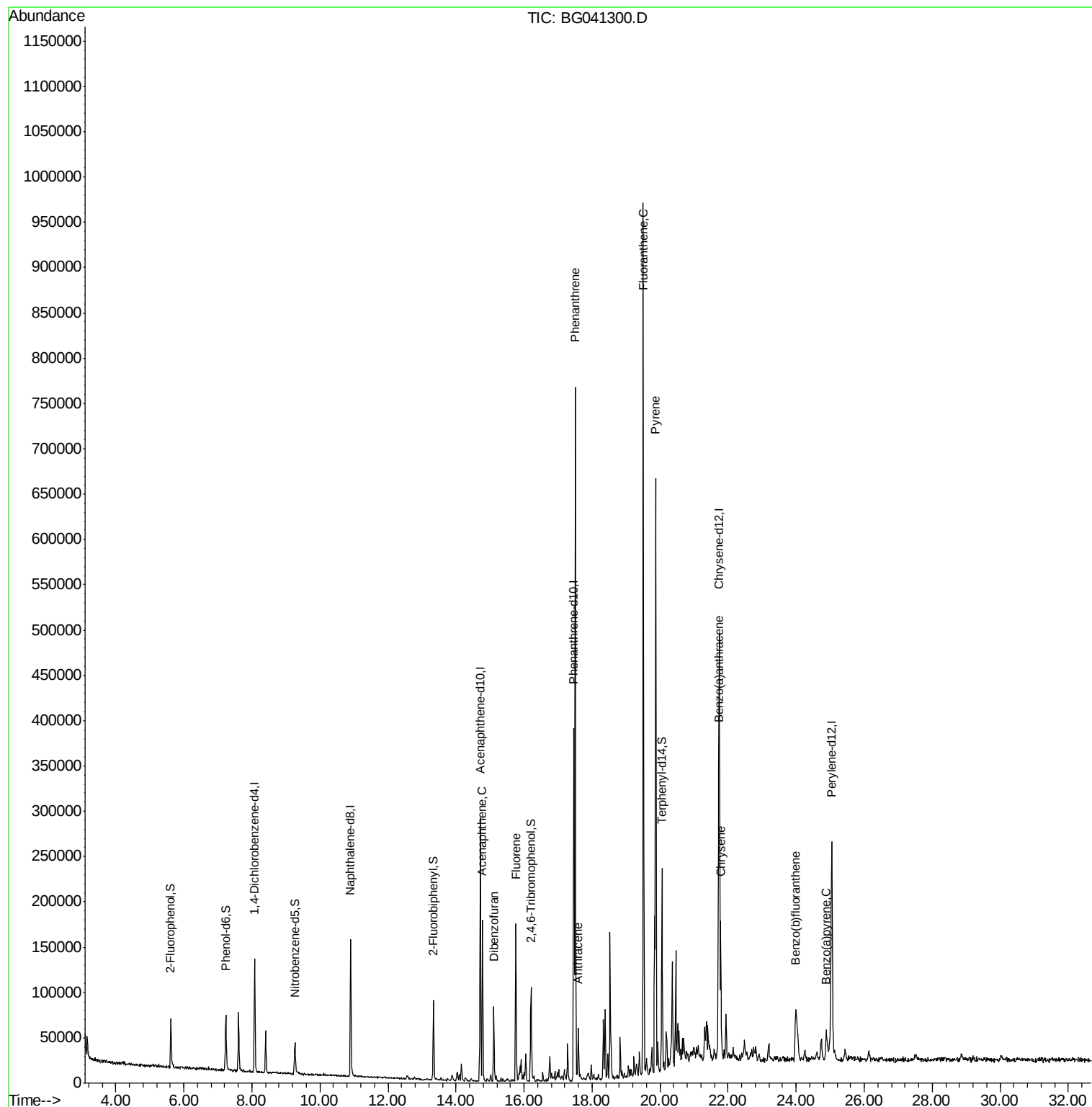
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061819\
Data File : BG041300.D
Acq On : 18 Jun 2019 16:51
Operator : HP/JU
Sample : K3351-07DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

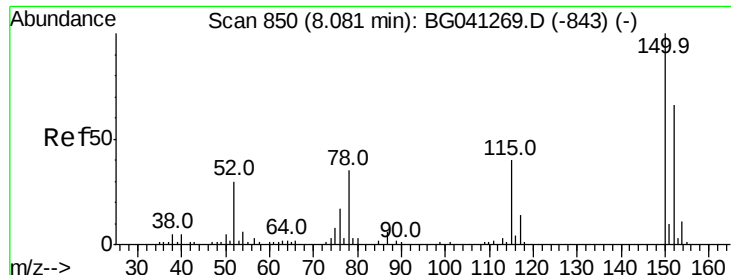
Instrument :
BNA_G
ClientSampleId :
RT-3860DL

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#1

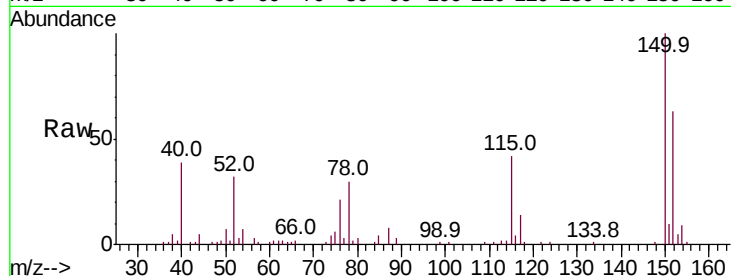
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.08 min Scan# 849
Delta R.T. -0.00 min
Lab File: BG041300.D
Acq: 18 Jun 2019 16:51

Instrument :
BNA_G
ClientSampleId :
RT-3860DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	120.6	181.0
115	66.7	47.9	71.9

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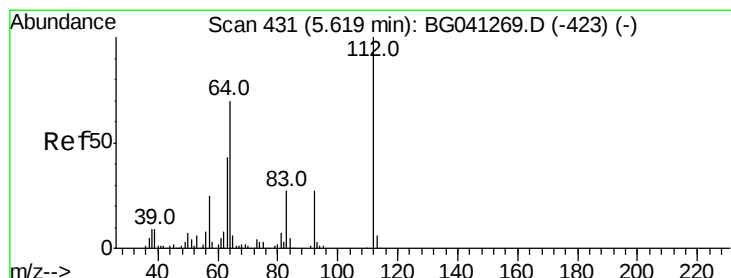
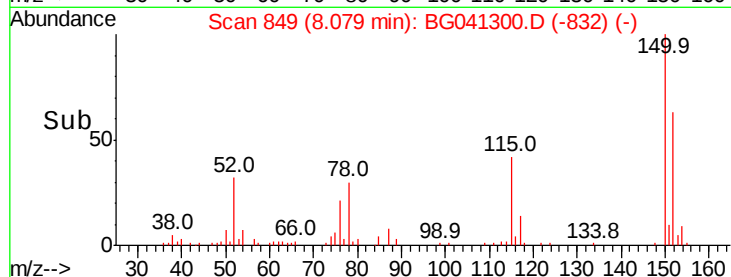
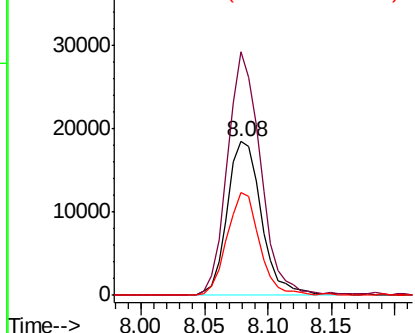


Abundance

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: 13.427 ng
RT: 5.62 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG041300.D
Acq: 18 Jun 2019 16:51

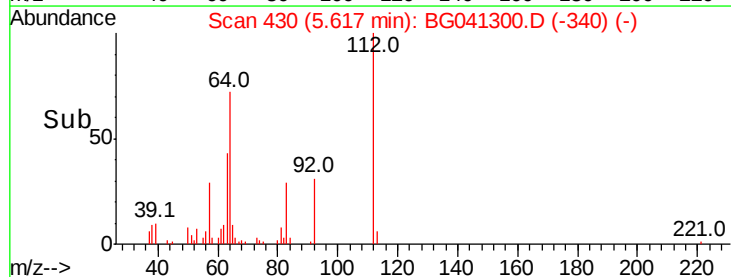
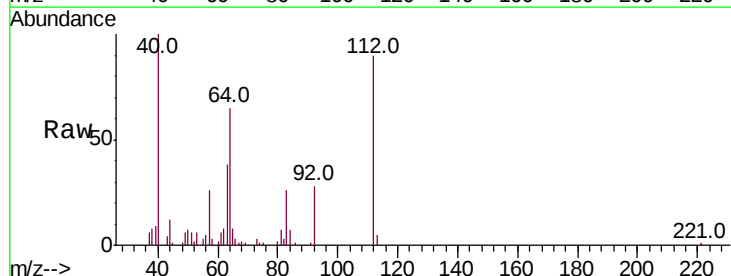
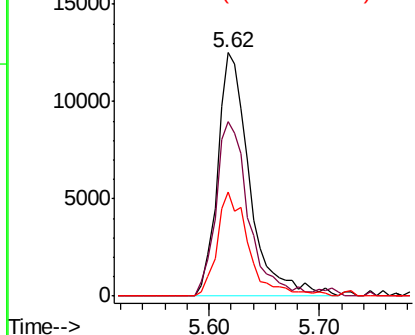
Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	55.9	83.9
63	42.8	34.6	51.8

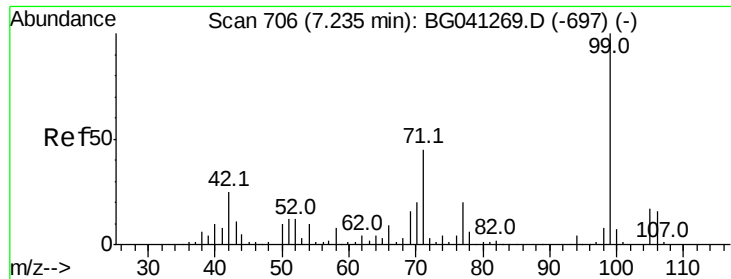
Abundance

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: 13.192 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Instrument :

BNA_G

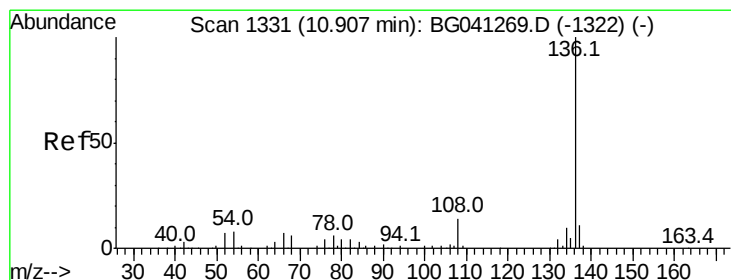
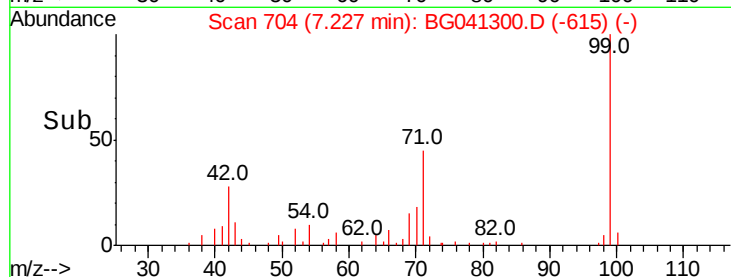
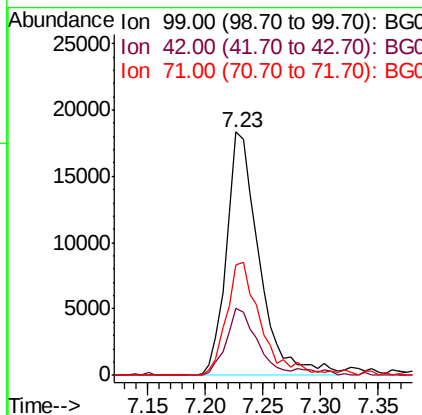
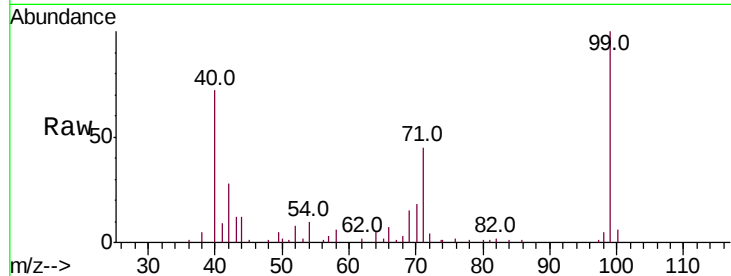
ClientSampled :

RT-3860DL

Tot Ion:	99	Resp:	36081
Ion Ratio	Lower	Upper	
99	100		
42	27.6	19.9	29.9
71	45.4	36.4	54.6

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#21

Naphthalene-d8

Concen: 20.000 ng

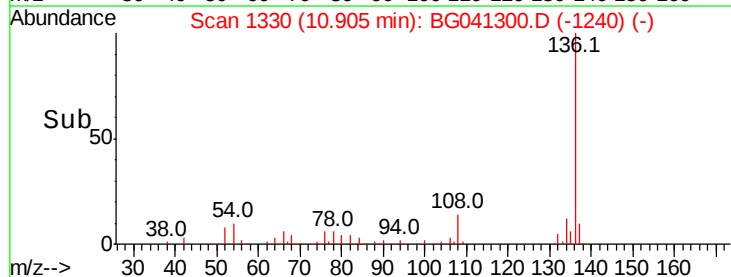
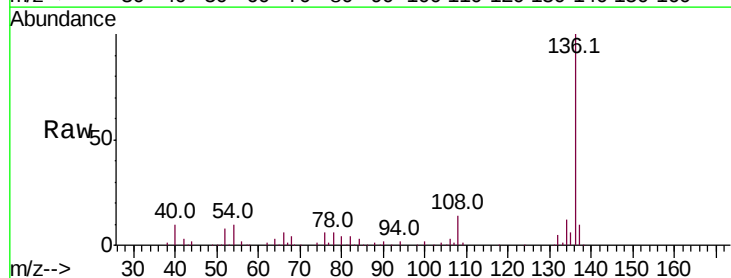
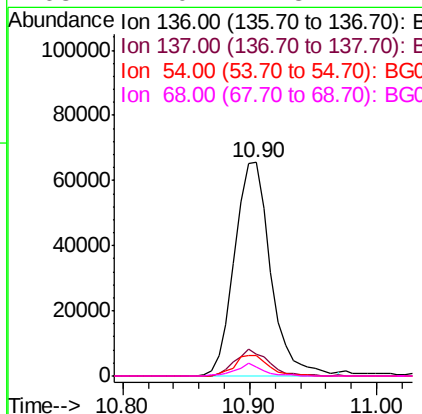
RT: 10.90 min Scan# 1330

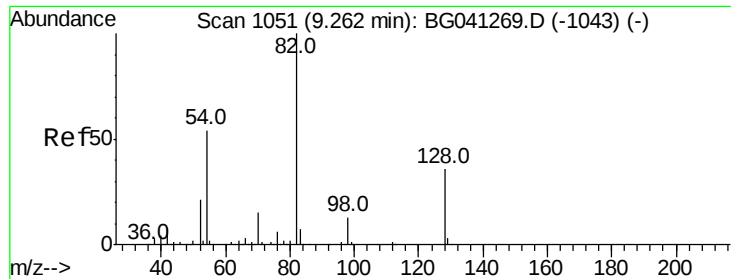
Delta R.T. -0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Tgt Ion:	136	Resp:	130403
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.8	13.2
54	9.8	6.4	9.6#
68	4.0	4.8	7.2#





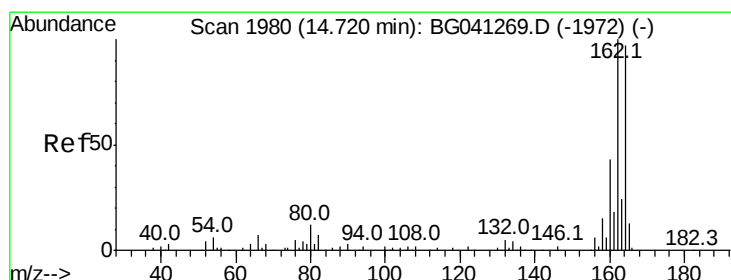
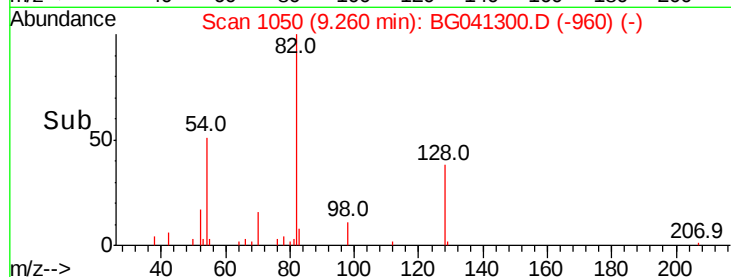
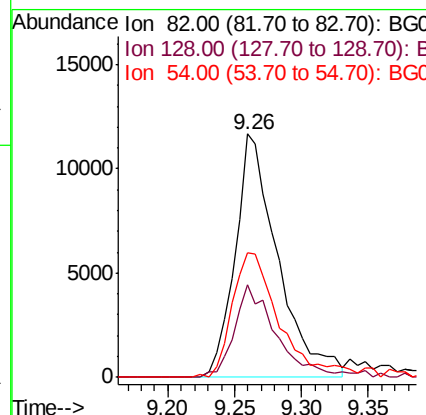
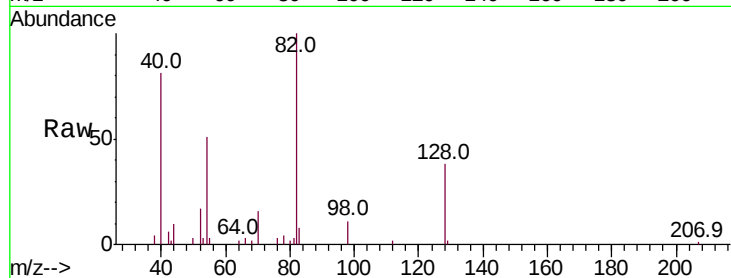
#23
 Nitrobenzene-d5
 Concen: 8.359 ng
 RT: 9.26 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BG041300.D
 Acq: 18 Jun 2019 16:51

Instrument :
 BNA_G
 ClientSampleId :
 RT-3860DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	29.2	43.8
54	51.4	43.4	65.0

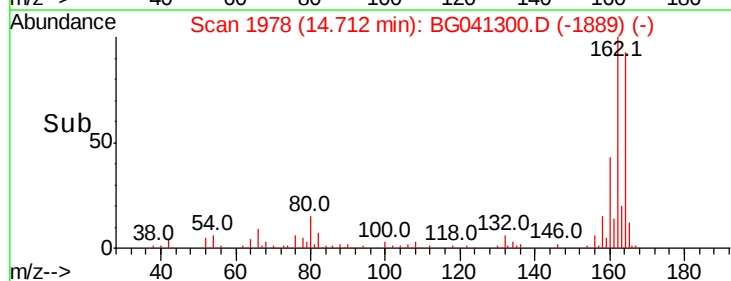
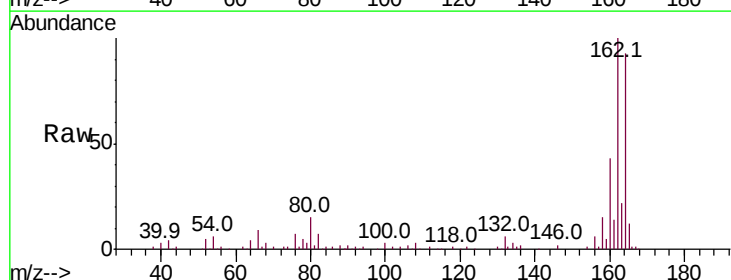
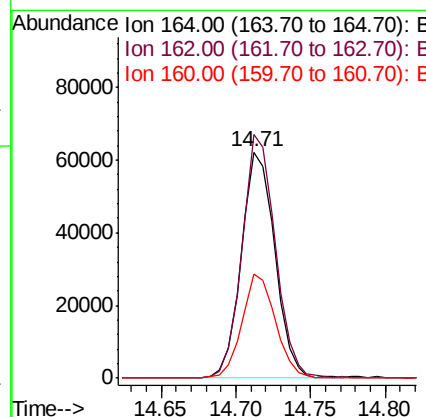
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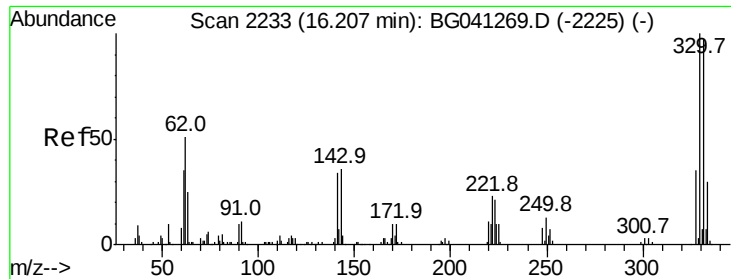
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.71 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: BG041300.D
 Acq: 18 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.7	82.8	124.2
160	46.1	35.8	53.8





#42

2,4,6-Tribromophenol

Concen: 11.190 ng

RT: 16.20 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Instrument :

BNA_G

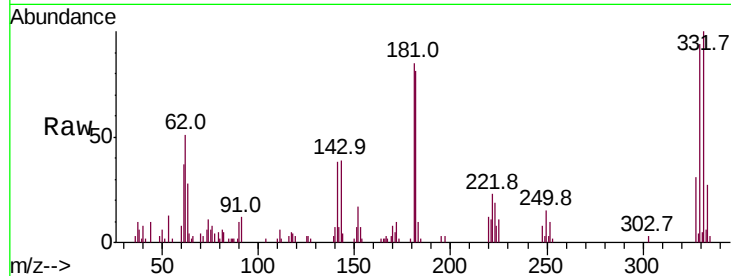
ClientSampleId :

RT-3860DL

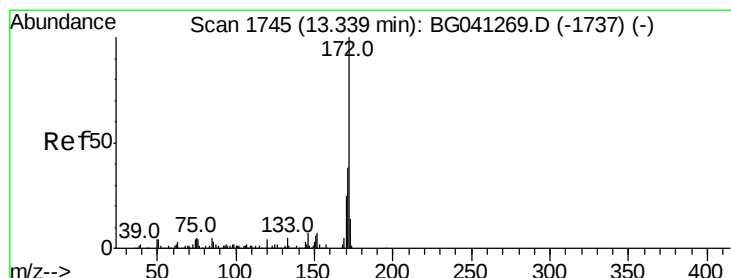
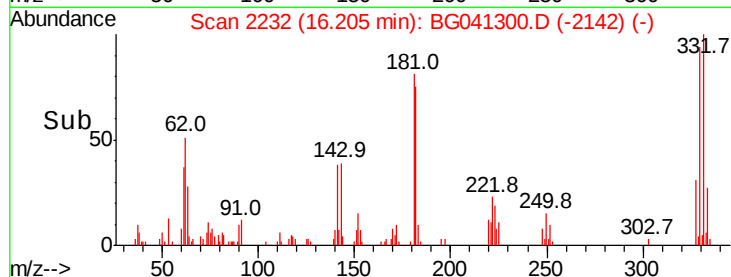
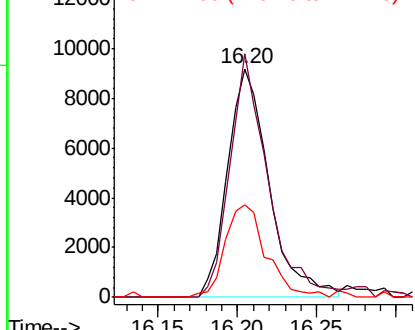
Tot Ion:	330	Resp:	16677
Ion Ratio	Lower	Upper	
330	100		
332	97.5	75.5	113.3
141	40.2	29.0	43.4

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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: 6.895 ng

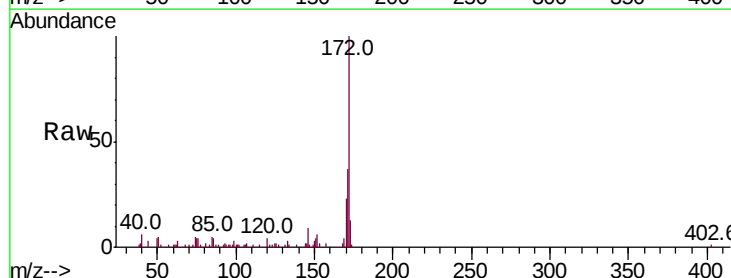
RT: 13.34 min Scan# 1744

Delta R.T. -0.00 min

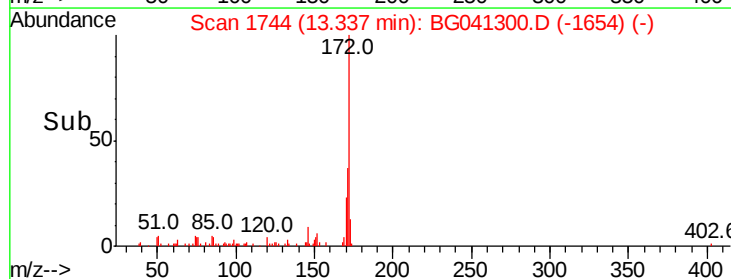
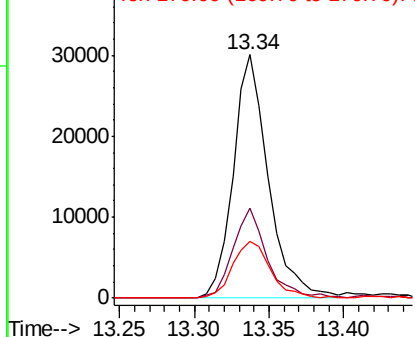
Lab File: BG041300.D

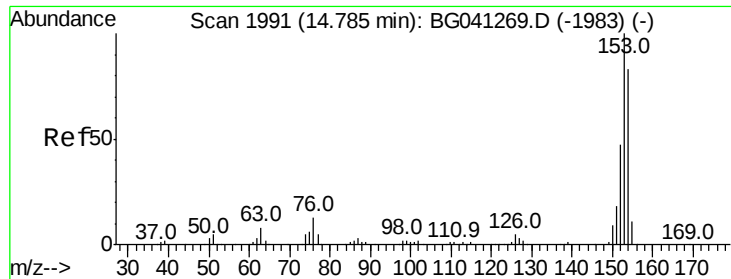
Acq: 18 Jun 2019 16:51

Tgt Ion:	172	Resp:	49244
Ion Ratio	Lower	Upper	
172	100		
171	37.2	30.0	45.0
170	23.2	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





#52

Acenaphthene

Concen: 11.725 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Instrument :

BNA_G

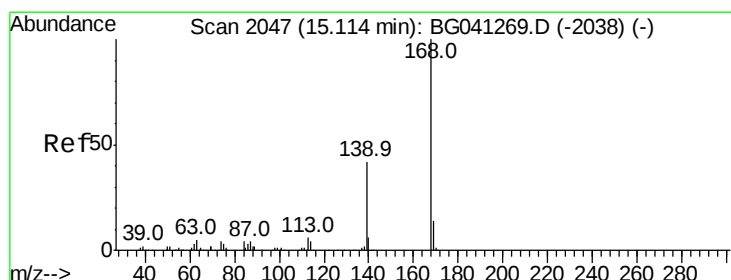
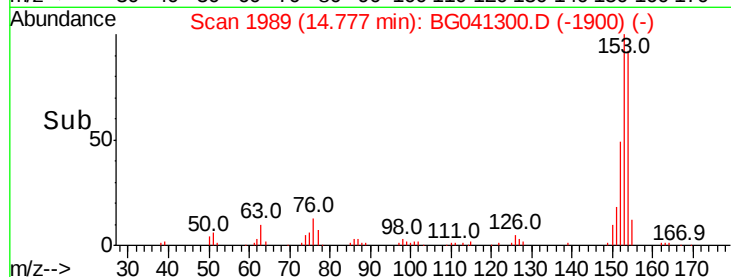
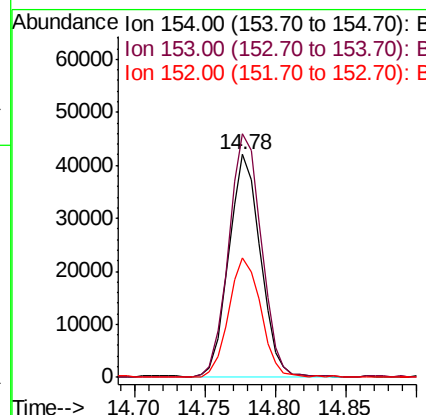
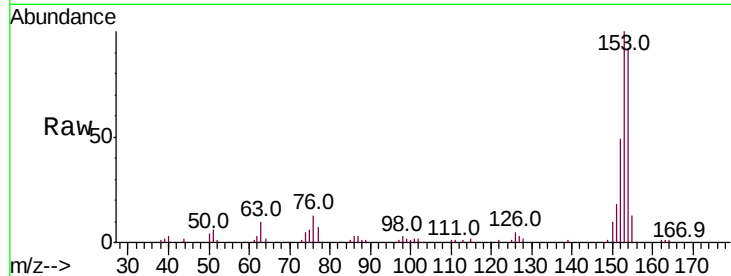
ClientSampleId :

RT-3860DL

Tot Ion:	154	Resp:	66011
Ion Ratio	Lower	Upper	
154	100		
153	109.2	96.6	145.0
152	53.8	45.5	68.3

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#55

Dibenzofuran

Concen: 5.899 ng

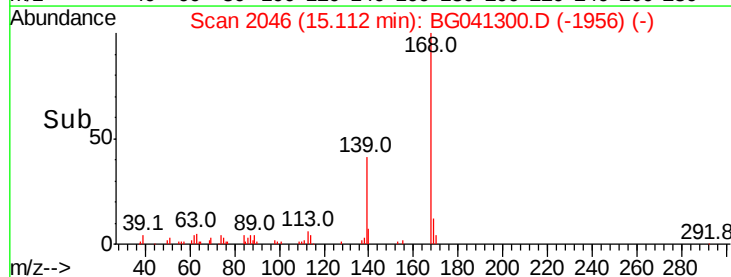
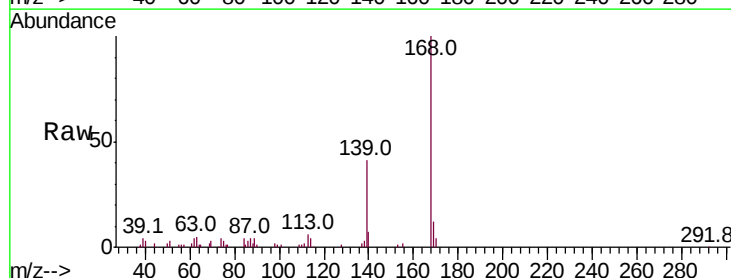
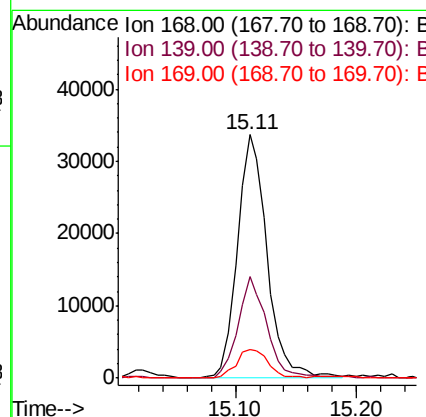
RT: 15.11 min Scan# 2046

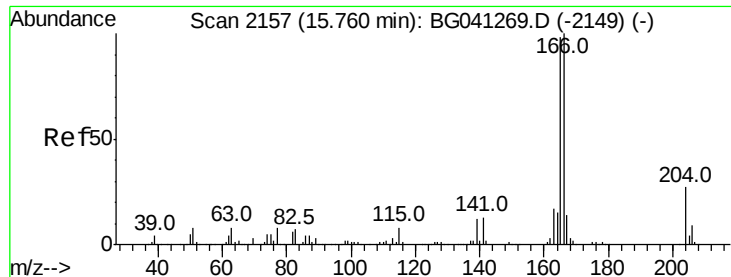
Delta R.T. -0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Tgt Ion:	168	Resp:	57744
Ion Ratio	Lower	Upper	
168	100		
139	41.5	33.6	50.4
169	11.6	10.8	16.2





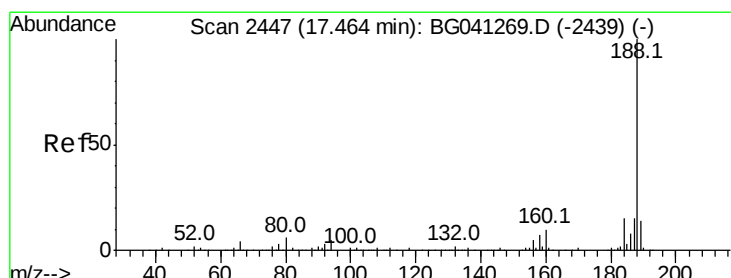
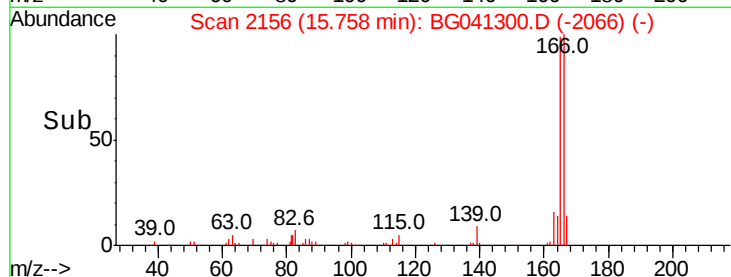
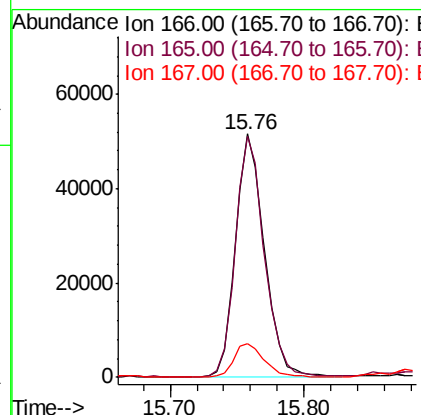
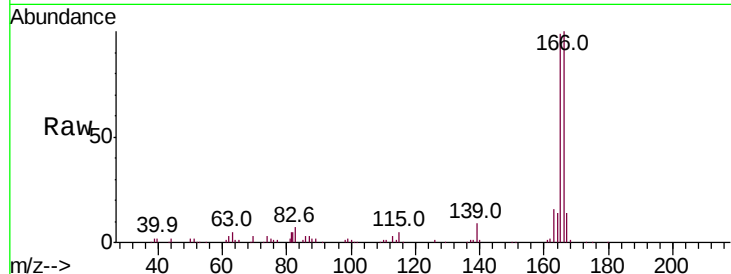
#58
Fluorene
 Concen: 10.139 ng
 RT: 15.76 min Scan# 2156
 Delta R.T. -0.00 min
 Lab File: BG041300.D
 Acq: 18 Jun 2019 16:51

Instrument :
 BNA_G
 ClientSampleId :
 RT-3860DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.8	118.2
167	13.8	11.3	16.9

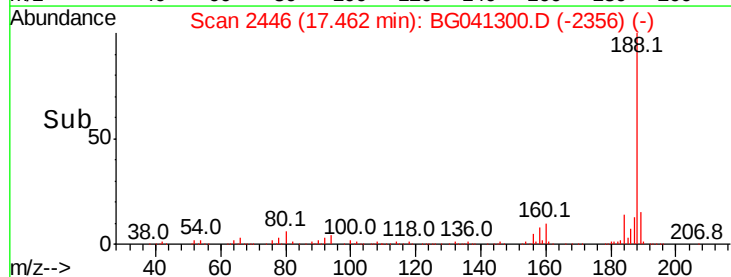
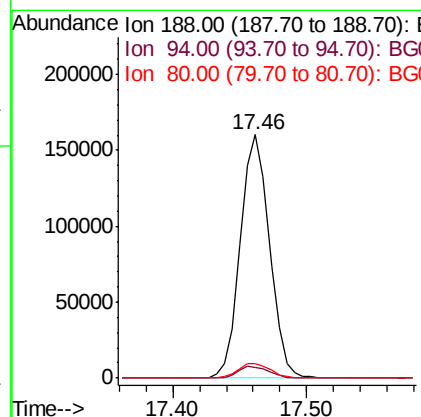
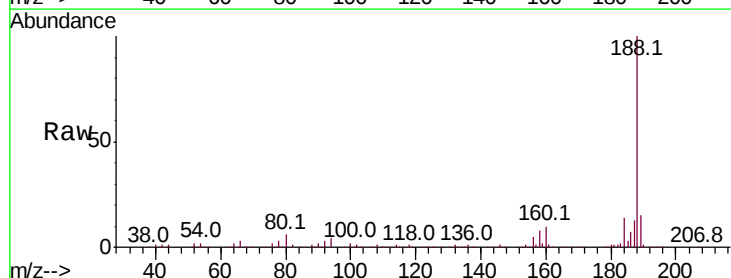
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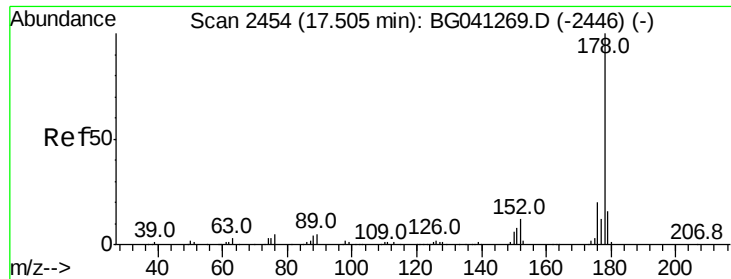
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BG041300.D
 Acq: 18 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.6	5.4
80	6.2	4.8	7.2





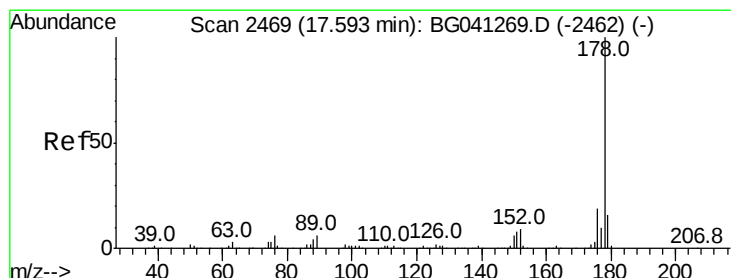
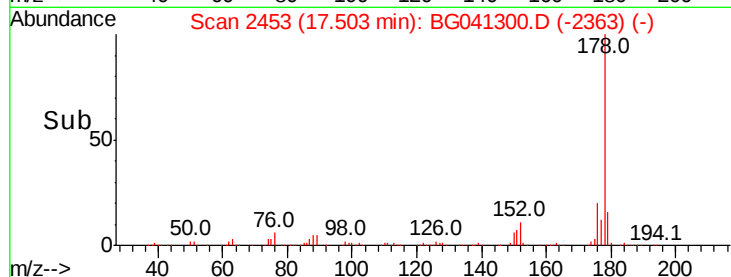
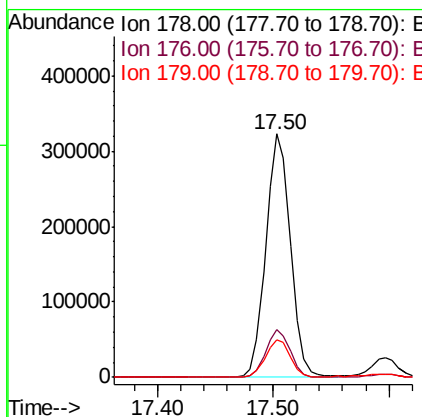
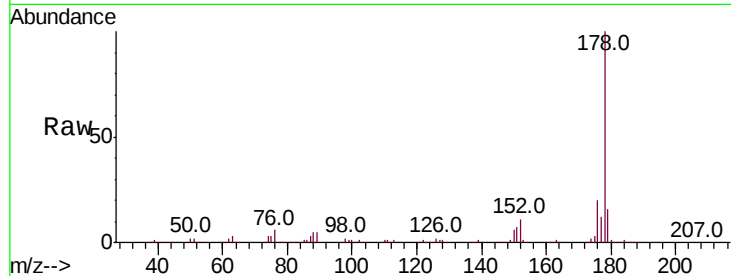
#71
Phenanthrene
Concen: 37.032 ng
RT: 17.50 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BG041300.D
Acq: 18 Jun 2019 16:51

Instrument :
BNA_G
ClientSampleId :
RT-3860DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.1	24.1
179	15.7	12.9	19.3

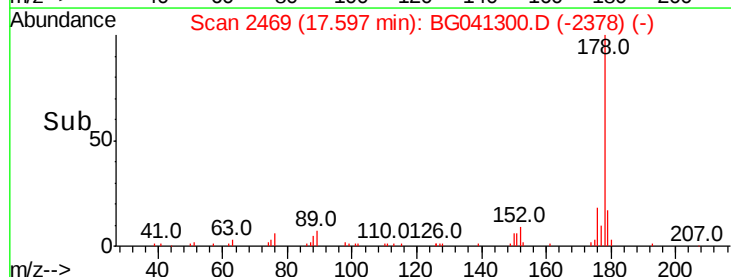
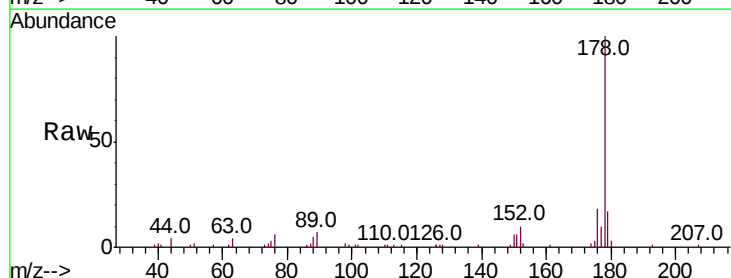
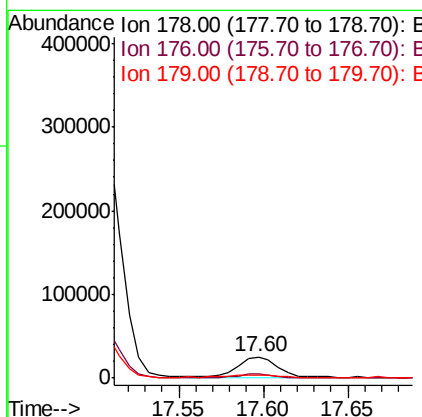
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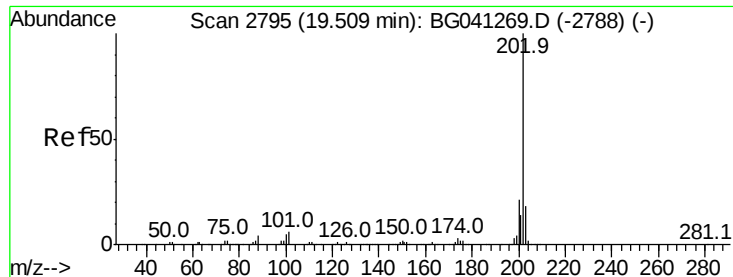
mohammad
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#72
Anthracene
Concen: 3.211 ng
RT: 17.60 min Scan# 2469
Delta R.T. 0.00 min
Lab File: BG041300.D
Acq: 18 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.8	13.0	19.4





#75

Fluoranthene

Concen: 38.606 ng

RT: 19.51 min Scan# 2795

Delta R.T. 0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Instrument :

BNA_G

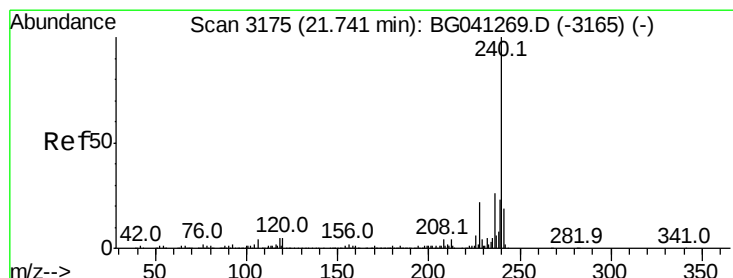
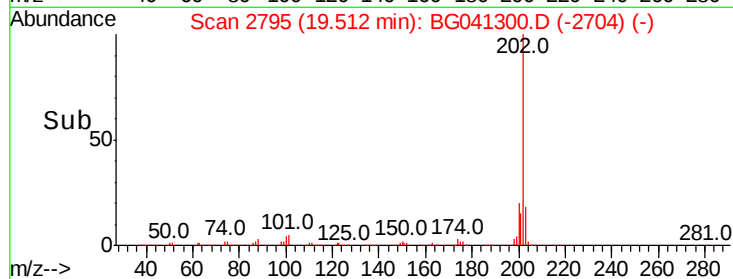
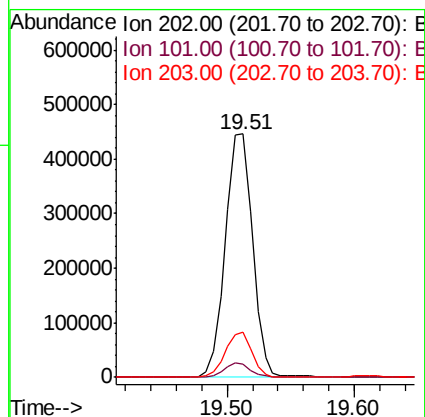
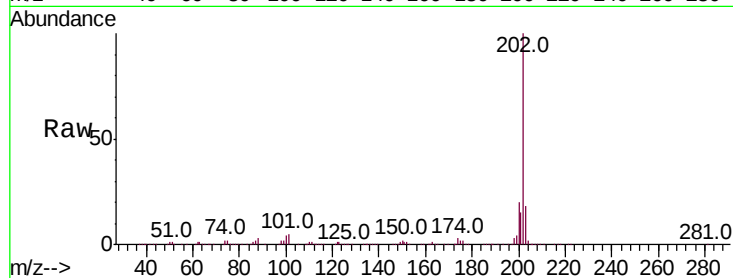
ClientSampleId :

RT-3860DL

Tot Ion:	202	Resp:	664652
Ion Ratio	Lower	Upper	
202	100		
101	5.2	0.0	26.0
203	18.4	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

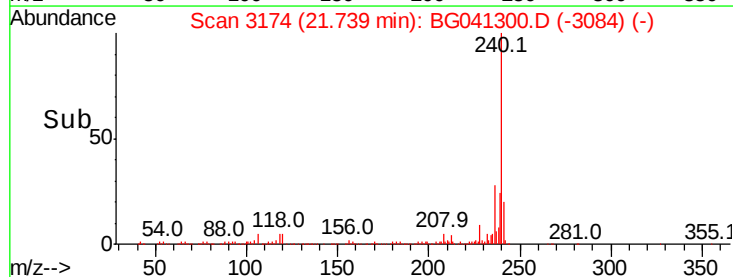
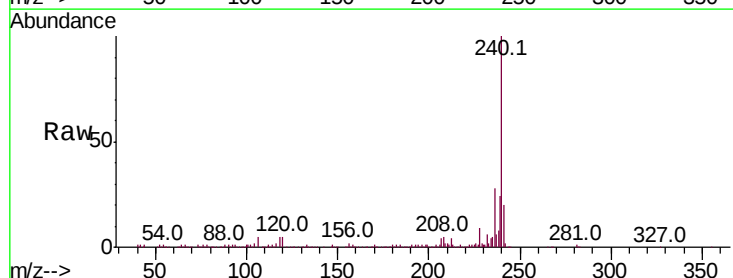
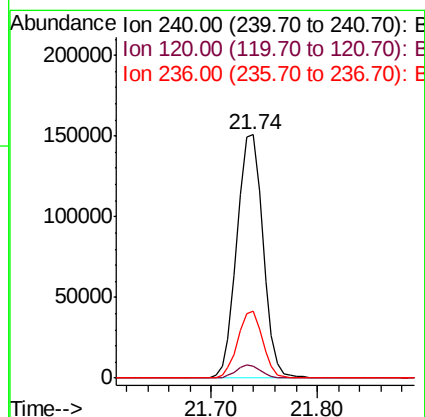
RT: 21.74 min Scan# 3174

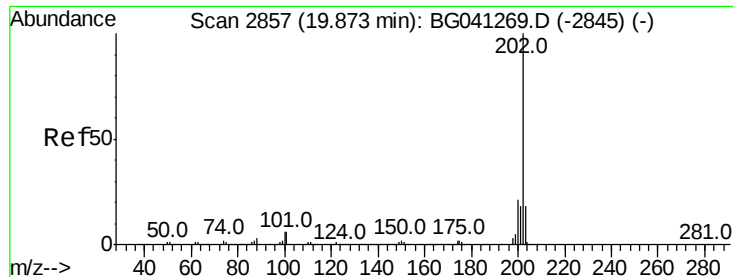
Delta R.T. -0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Tgt Ion:	240	Resp:	258475
Ion Ratio	Lower	Upper	
240	100		
120	4.9	3.7	5.5
236	27.6	21.1	31.7





#78

Pvrene

Concen: 26.558 ng

RT: 19.87 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Instrument :

BNA_G

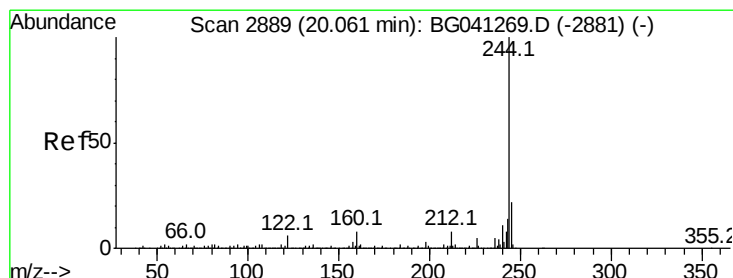
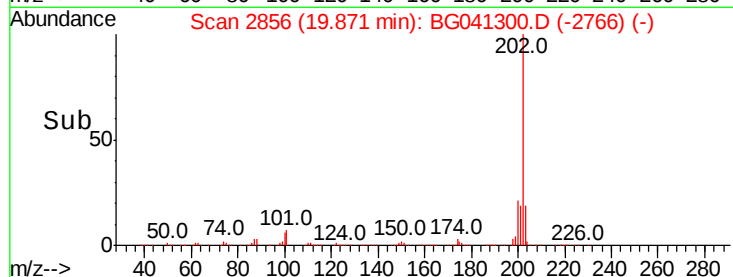
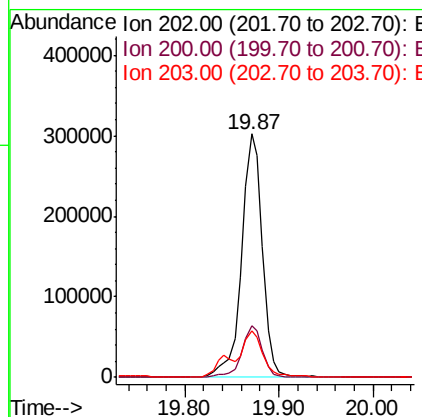
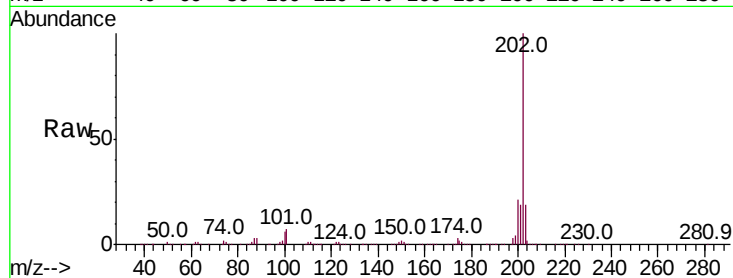
ClientSampleId :

RT-3860DL

Tot Ion:	202	Resp:	462953
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.8	25.2
203	19.1	14.6	21.8

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#79

Terphenyl-d14

Concen: 7.306 ng

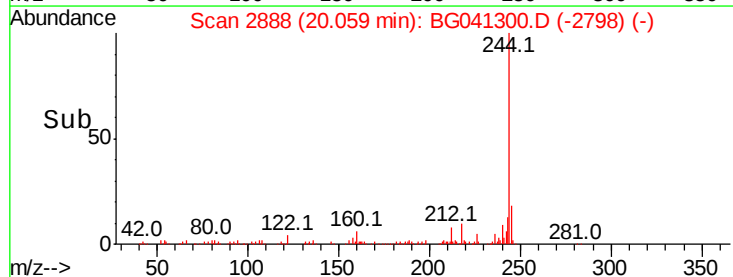
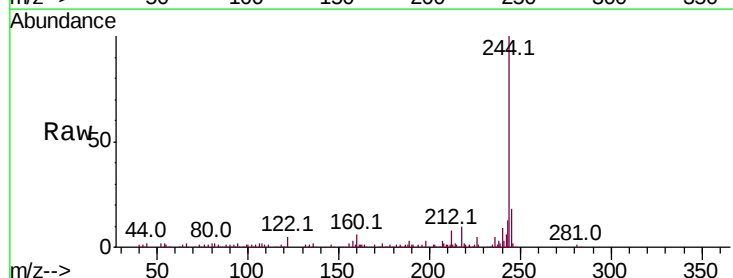
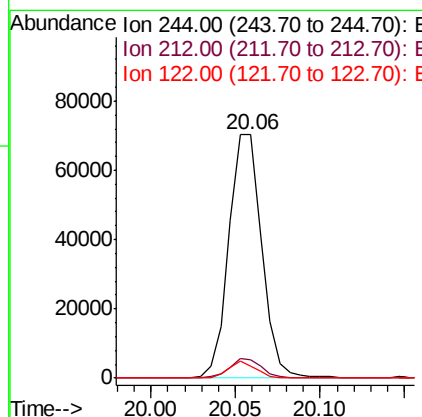
RT: 20.06 min Scan# 2888

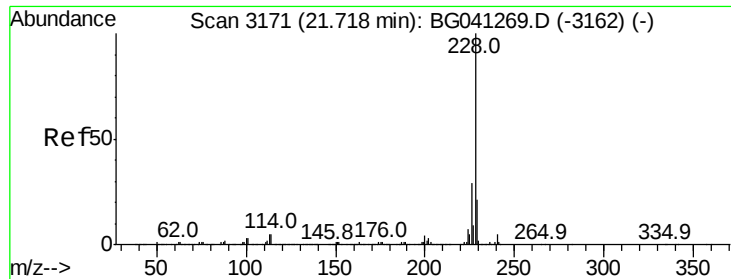
Delta R.T. -0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Tgt Ion:	244	Resp:	95291
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.6	10.0
122	4.6	5.0	7.4#





#81

Benzo(a)anthracene

Concen: 7.640 ng

RT: 21.72 min Scan# 3170

Delta R.T. -0.00 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Instrument :

BNA_G

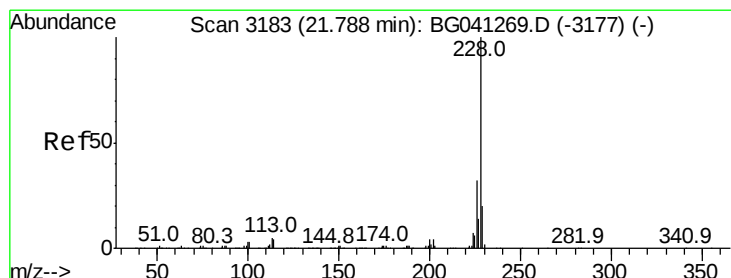
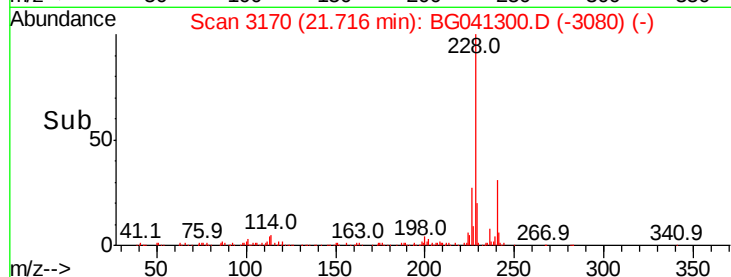
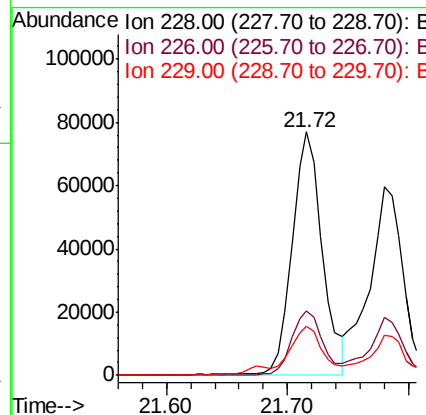
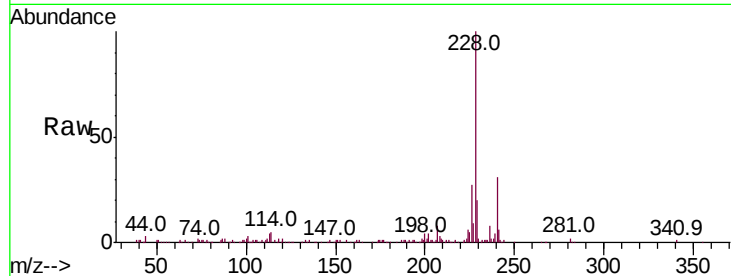
ClientSampleId :

RT-3860DL

Tot Ion:	228	Resp:	133709
Ion	Ratio	Lower	Upper
228	100		
226	26.6	23.2	34.8
229	20.2	16.8	25.2

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#83

Chrysene

Concen: 6.827 ng

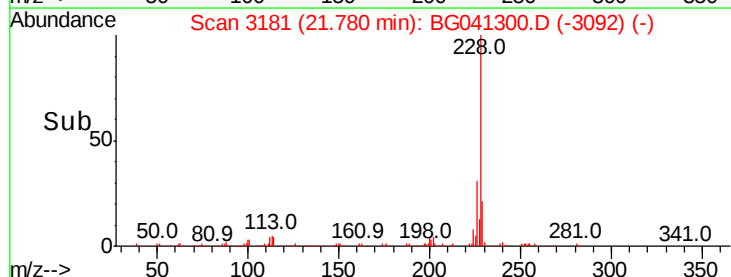
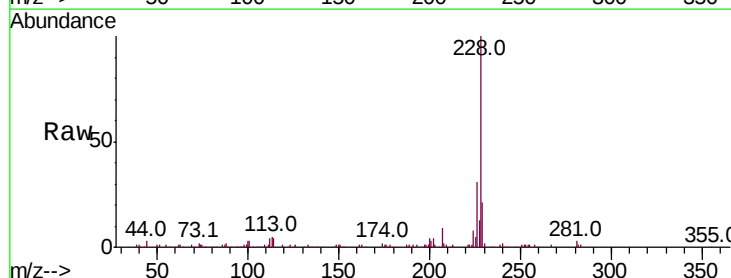
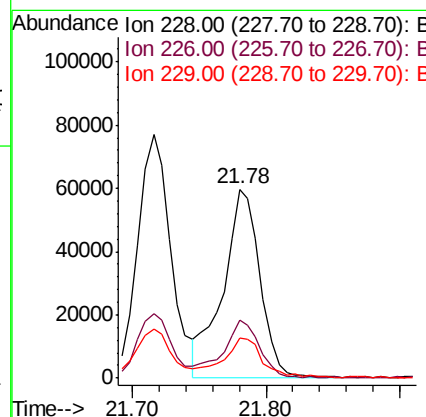
RT: 21.78 min Scan# 3181

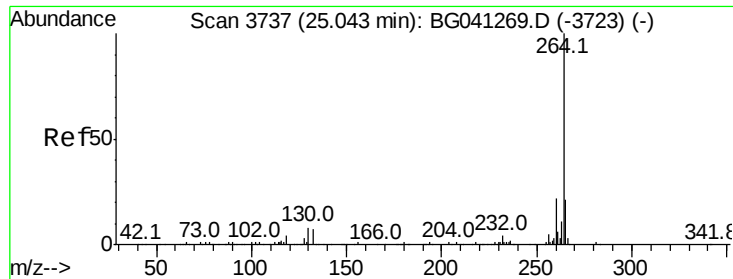
Delta R.T. -0.01 min

Lab File: BG041300.D

Acq: 18 Jun 2019 16:51

Tgt Ion:	228	Resp:	114903
Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	21.4	16.2	24.2





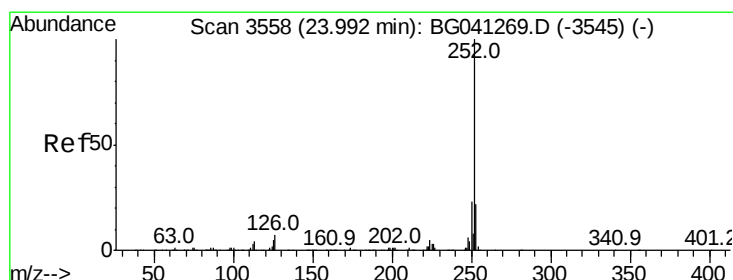
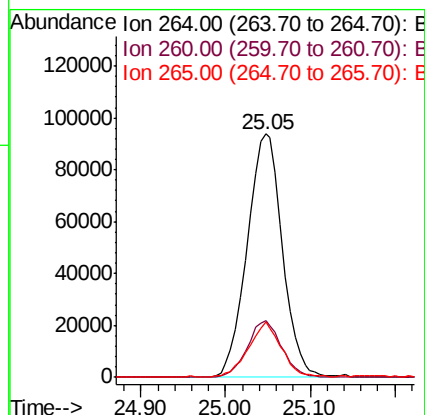
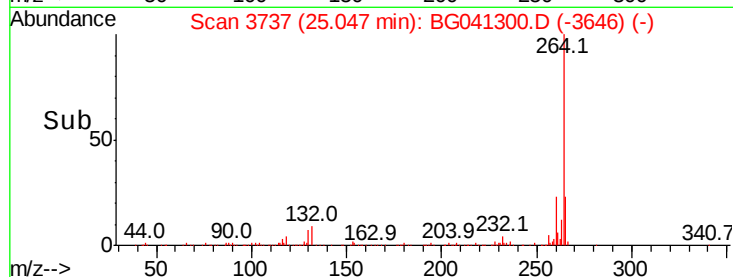
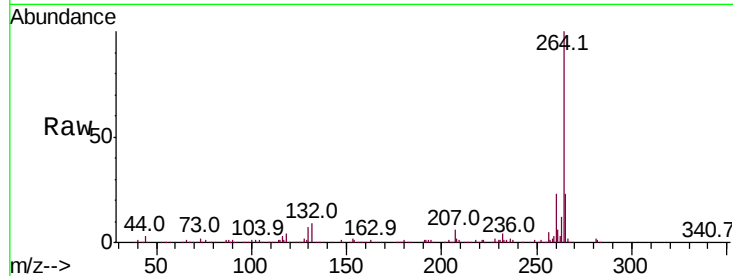
#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.05 min Scan# 3737
Delta R.T. 0.00 min
Lab File: BG041300.D
Acq: 18 Jun 2019 16:51

Instrument :
BNA_G
ClientSampleId :
RT-3860DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.4	26.2
265	22.9	17.2	25.8

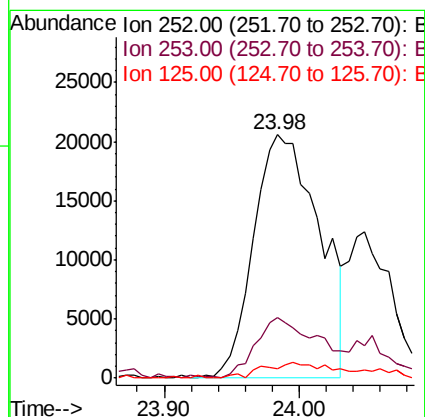
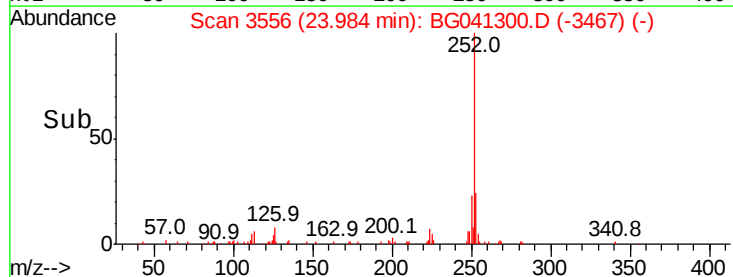
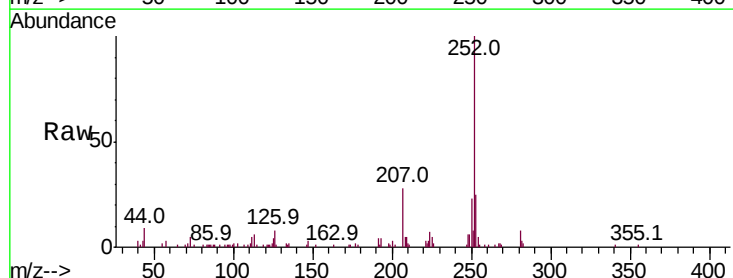
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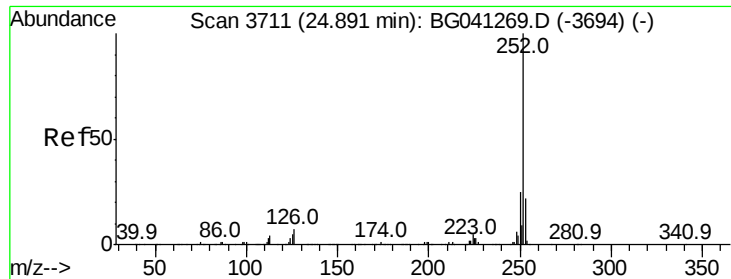
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#88
Benzo(b)fluoranthene
Concen: 4.154 ng m
RT: 23.98 min Scan# 3556
Delta R.T. -0.01 min
Lab File: BG041300.D
Acq: 18 Jun 2019 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.4	26.0
125	3.7	3.9	5.9#





#90

Benzo(a)pyrene

Concen: 2.352 ng

RT: 24.89 min Scan# 3710

Delta R.T. -0.00 min

Lab File: BG041300.D

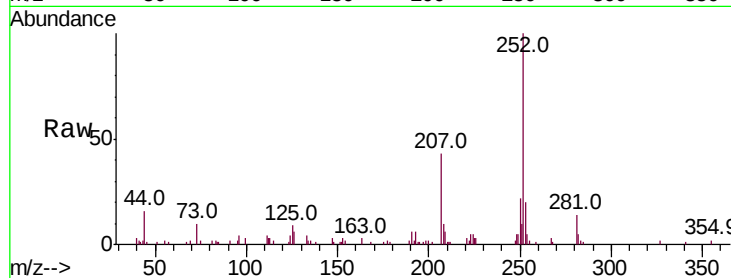
Acq: 18 Jun 2019 16:51

Instrument :

BNA_G

ClientSampleId :

RT-3860DL



Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	20.5	17.8	26.6
125	8.6	4.2	6.4

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