

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
 Data File : BG041439.D
 Acq On : 25 Jun 2019 2:17
 Operator : HP/JU
 Sample : K3499-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-4(8-9)

Manual Integrations
 APPROVED

mohammad
 6/28/2019 8:24:35 AM

Quant Time: Jun 25 06:48:39 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	8.04	152	37394	20.00	ng	-0.04
21) Naphthalene-d8	10.87	136	151125	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	105960	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	252902	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	248241	20.00	ng	-0.04
87) Perylene-d12	24.99	264	200986	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	133358	65.53	ng	-0.04
7) Phenol-d6	7.20	99	207696	70.41	ng	-0.03
23) Nitrobenzene-d5	9.22	82	151324	42.11	ng	-0.04
42) 2,4,6-Tribromophenol	16.17	330	106924	65.73	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	353560	45.35	ng	-0.03
79) Terphenyl-d14	20.03	244	567697	45.32	ng	-0.03
Target Compounds						
50) Dimethylphthalate	14.13	163	70993	7.530	ng	98
71) Phenanthrene	17.47	178	178775	13.254	ng	98
72) Anthracene	17.57	178	40289	3.030	ng	98
75) Fluoranthene	19.48	202	276257	15.417	ng	98
78) Pyrene	19.85	202	250886	14.986	ng	100
81) Benzo(a)anthracene	21.69	228	127001	7.556	ng	98
83) Chrysene	21.75	228	113680	7.033	ng	97
88) Benzo(b)fluoranthene	23.94	252	97444	7.823	ng	# 89
89) Benzo(k)fluoranthene	24.00	252	44294m	3.590	ng	
90) Benzo(a)pyrene	24.84	252	66143	5.623	ng	100

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

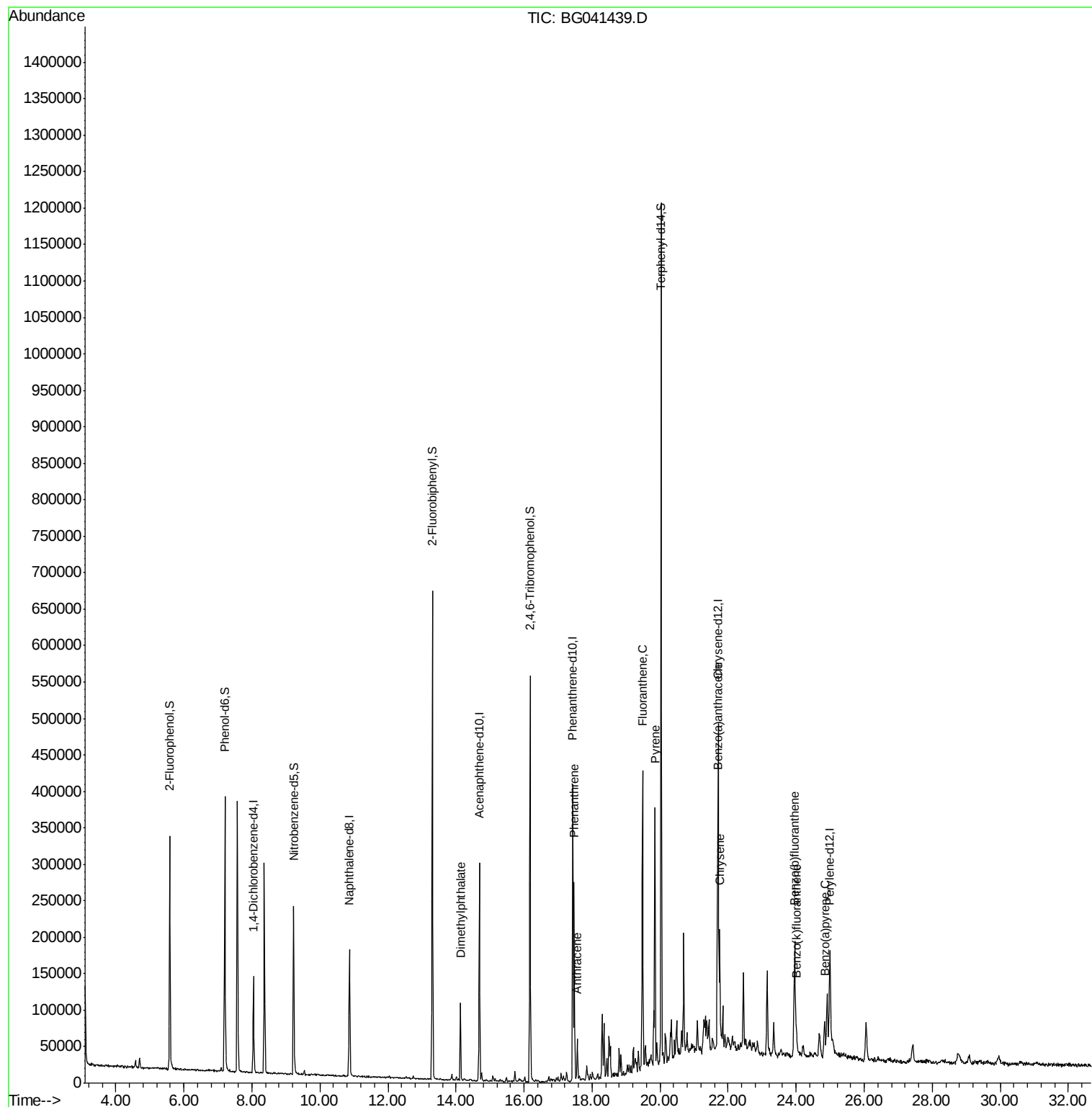
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062419\
Data File : BG041439.D
Acq On : 25 Jun 2019 2:17
Operator : HP/JU
Sample : K3499-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

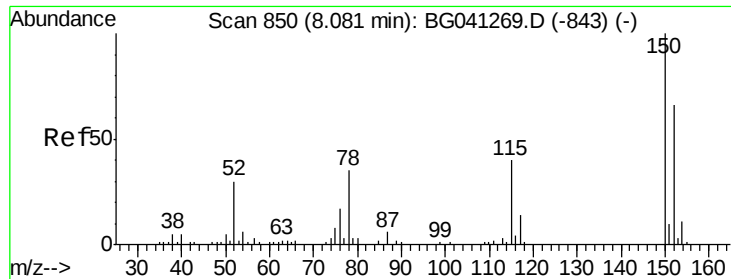
Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

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Quant Time: Jun 25 06:48:39 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

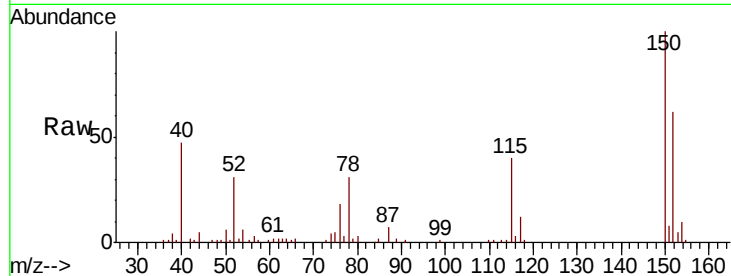
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	120.6	181.0
115	63.3	47.9	71.9

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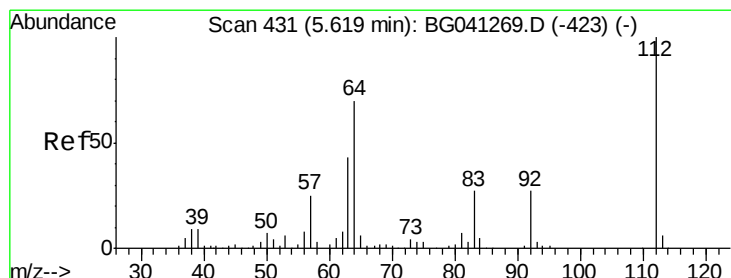
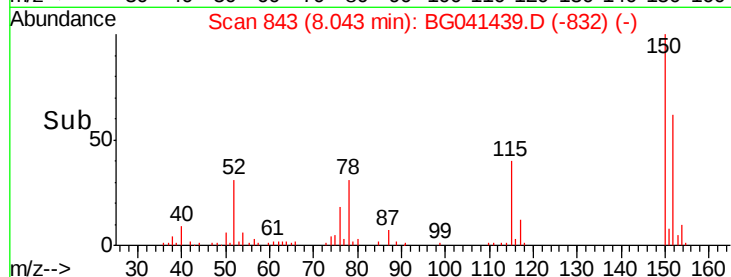
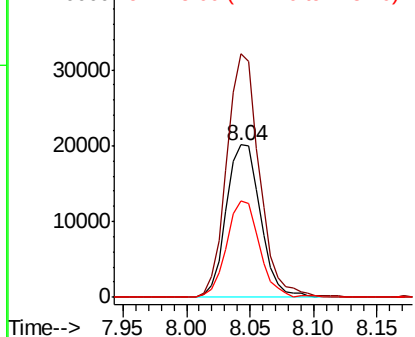


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

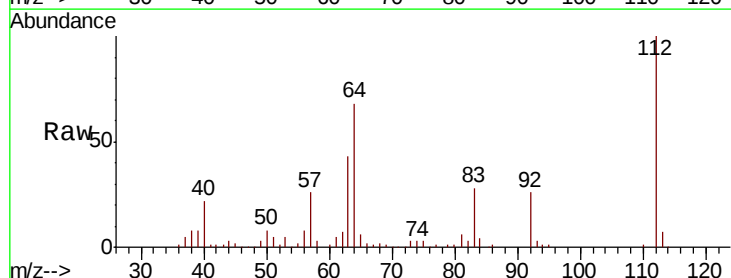
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 65.528 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	55.9	83.9
63	43.1	34.6	51.8

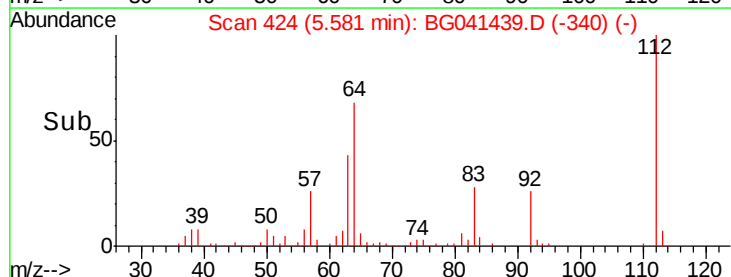
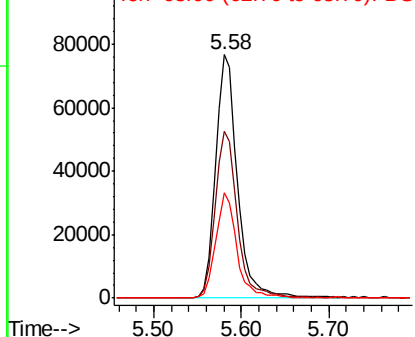


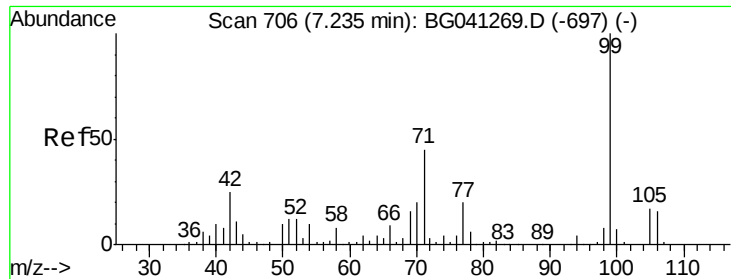
Abundance

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: 70.406 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

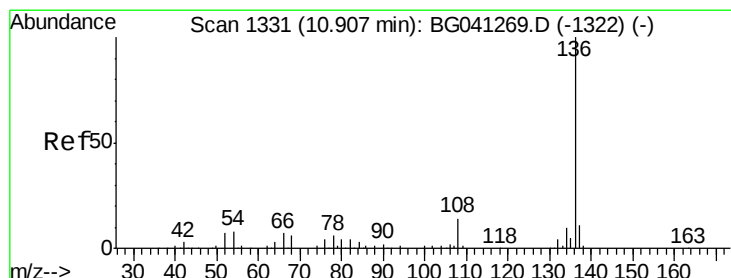
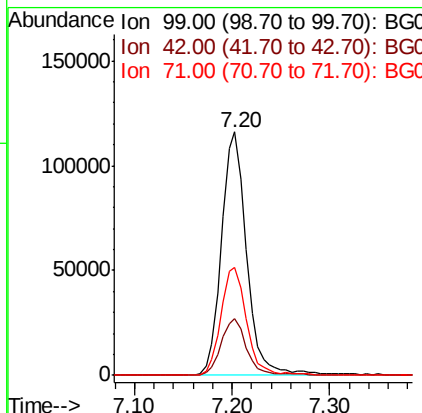
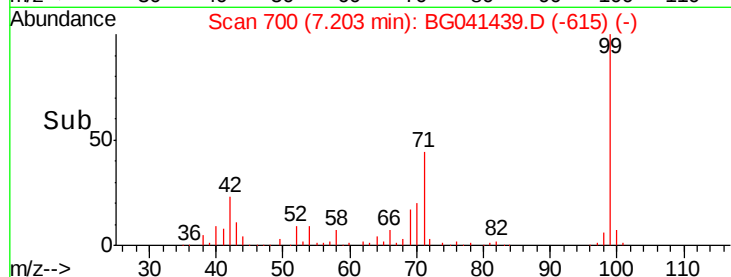
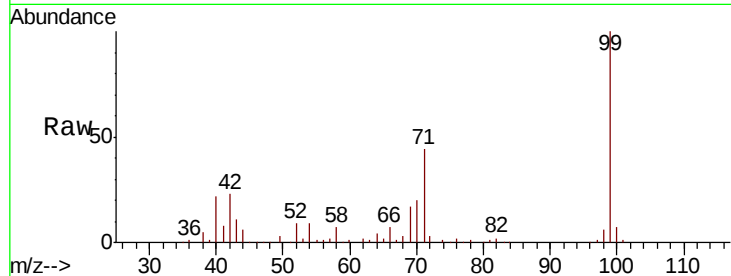
ClientSampleId :

B-4(8-9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		207696		
42	23.5	19.9	29.9		
71	44.5	36.4	54.6		

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#21

Naphthalene-d8

Concen: 20.000 ng

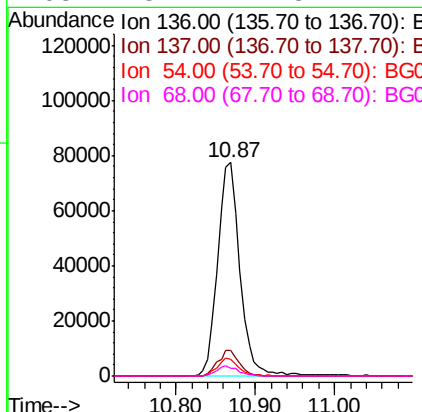
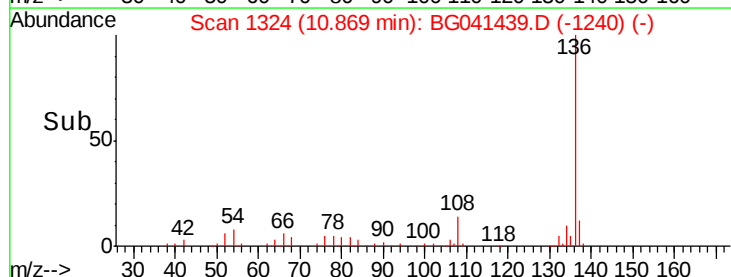
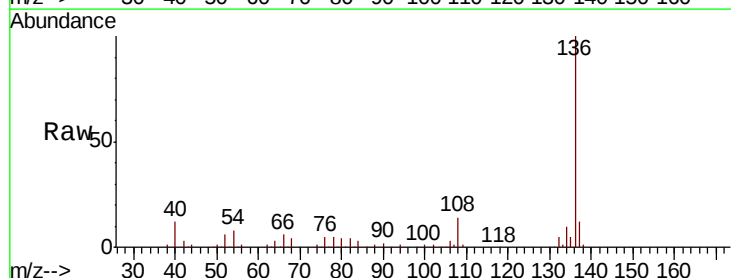
RT: 10.87 min Scan# 1324

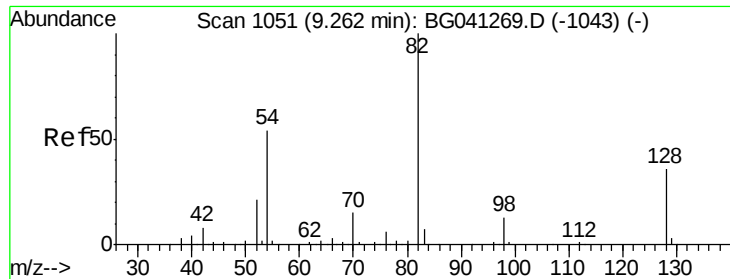
Delta R.T. -0.04 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		151125		
137	11.9	8.8	13.2		
54	7.8	6.4	9.6		
68	3.7	4.8	7.2#		





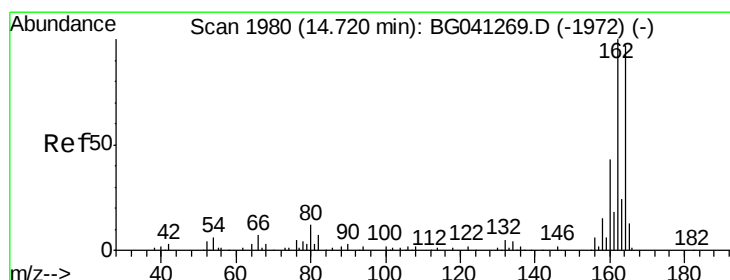
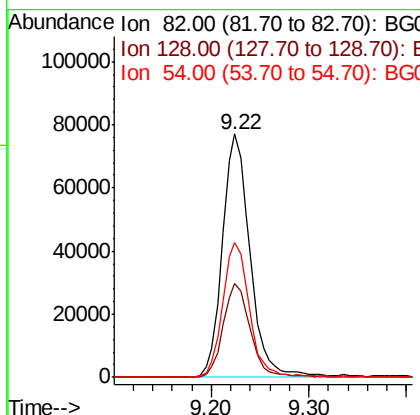
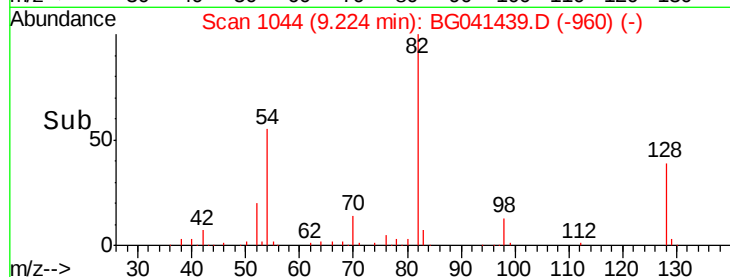
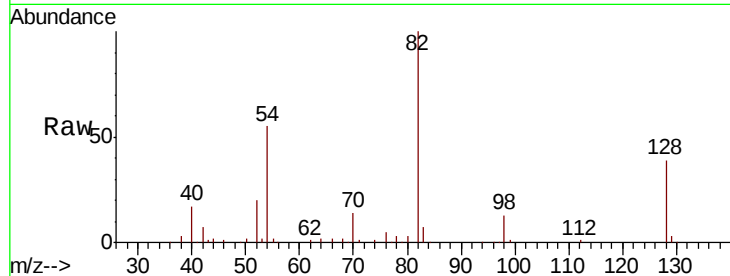
#23
 Nitrobenzene-d5
 Concen: 42.112 ng
 RT: 9.22 min Scan# 1044
 Delta R.T. -0.04 min
 Lab File: BG041439.D
 Acq: 25 Jun 2019 2:17

Instrument :
 BNA_G
 ClientSampled :
 B-4(8-9)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	38.7	29.2	43.8	
54	55.3	43.4	65.0	

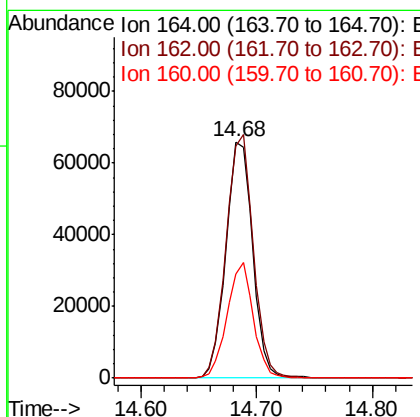
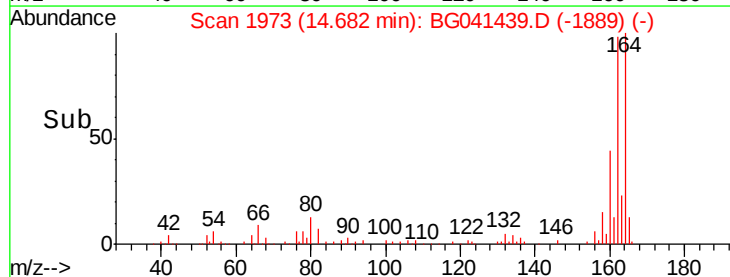
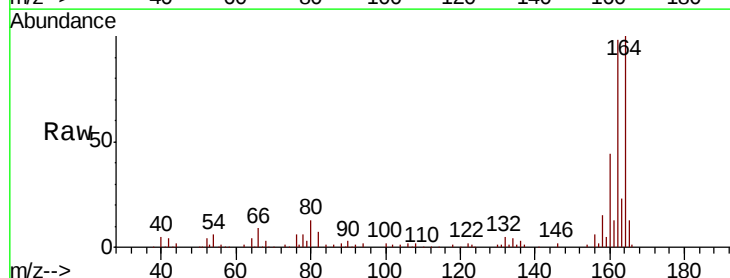
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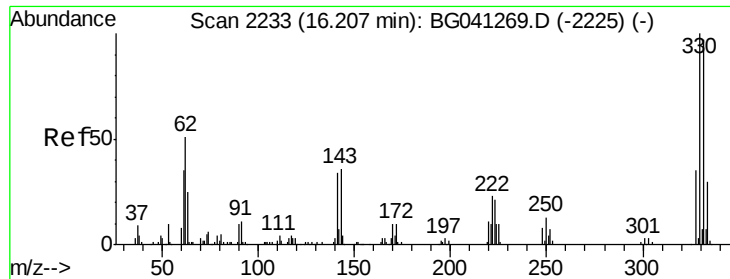
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.68 min Scan# 1973
 Delta R.T. -0.04 min
 Lab File: BG041439.D
 Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.0	82.8	124.2	
160	43.7	35.8	53.8	





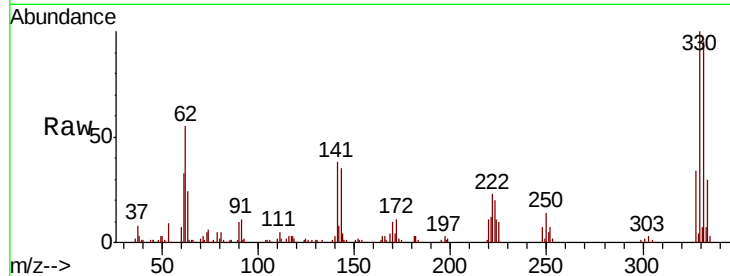
#42
 2,4,6-Tribromophenol
 Concen: 65.730 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.03 min
 Lab File: BG041439.D
 Acq: 25 Jun 2019 2:17

Instrument :
 BNA_G
 ClientSampleId :
 B-4(8-9)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	106924		
332	95.5	75.5	113.3	
141	35.8	29.0	43.4	

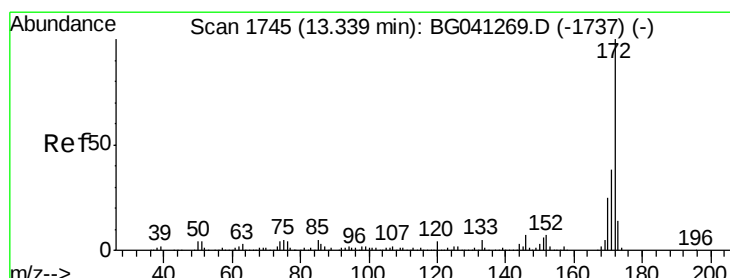
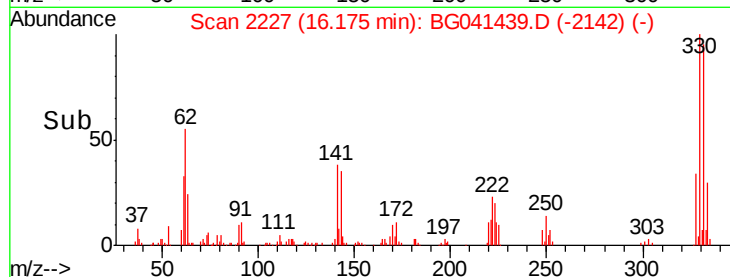
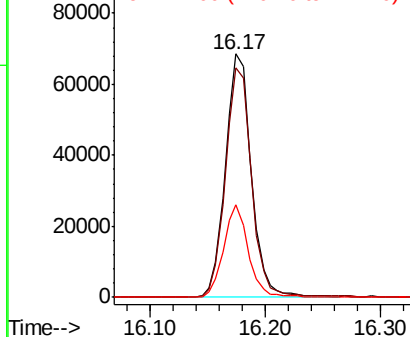
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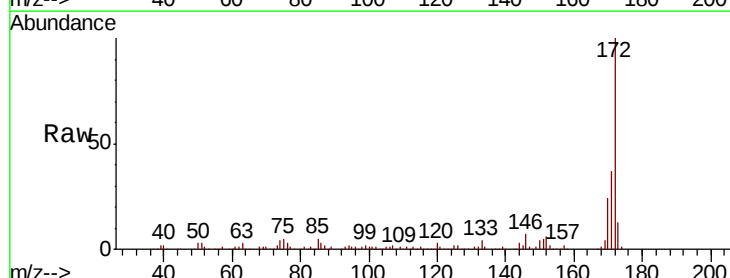
Abundance

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



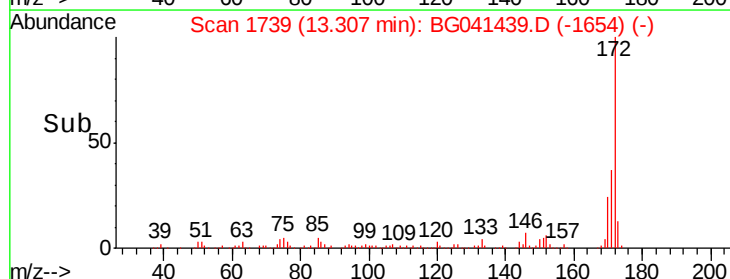
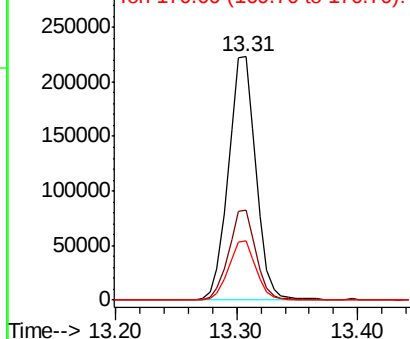
#45
 2-Fluorobiphenyl
 Concen: 45.351 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. -0.03 min
 Lab File: BG041439.D
 Acq: 25 Jun 2019 2:17

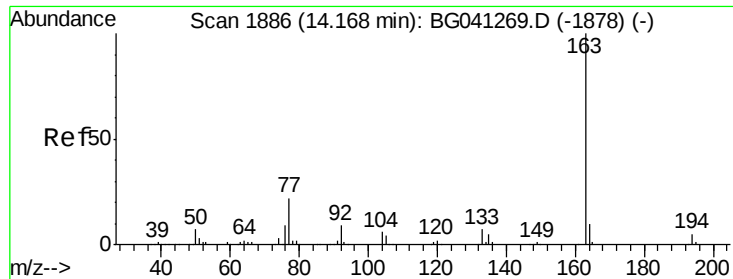
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	353560		
171	36.7	30.0	45.0	
170	24.4	19.8	29.6	



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





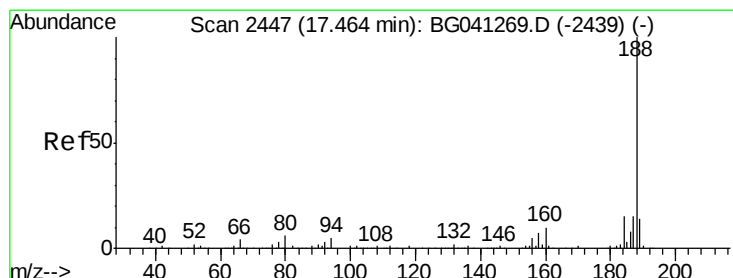
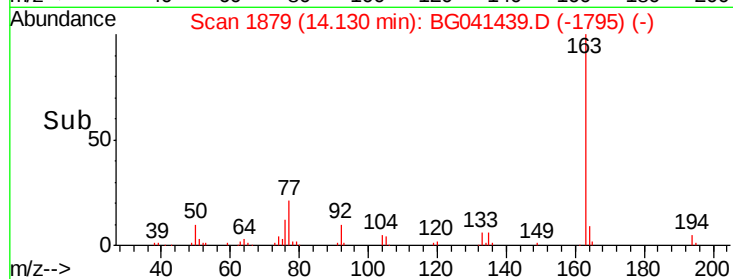
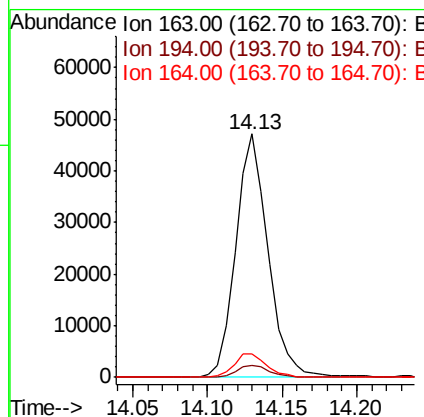
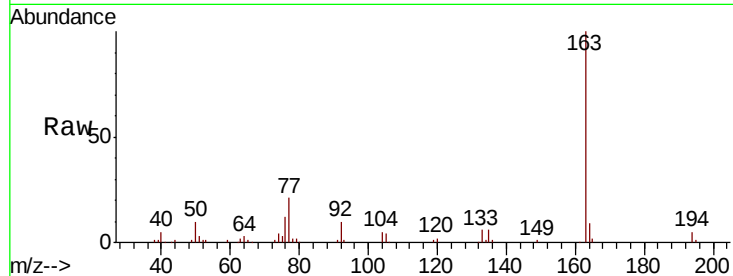
#50
Dimethylphthalate
Concen: 7.530 ng
RT: 14.13 min Scan# 1879
Delta R.T. -0.04 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.9	5.9
164	9.5	8.3	12.5

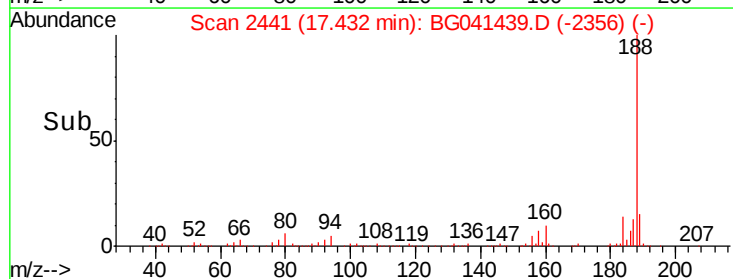
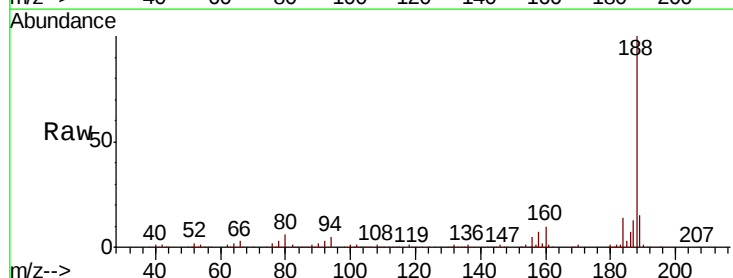
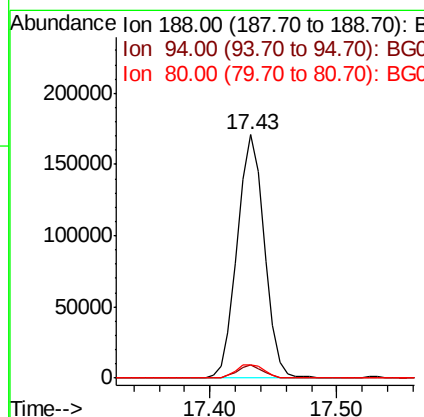
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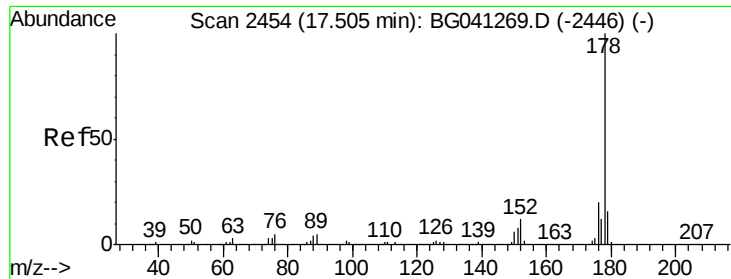
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.03 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.3	3.6	5.4
80	5.7	4.8	7.2





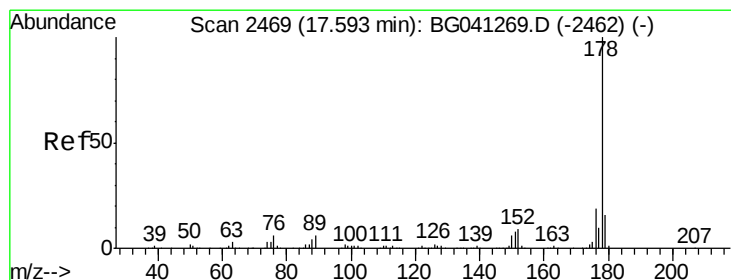
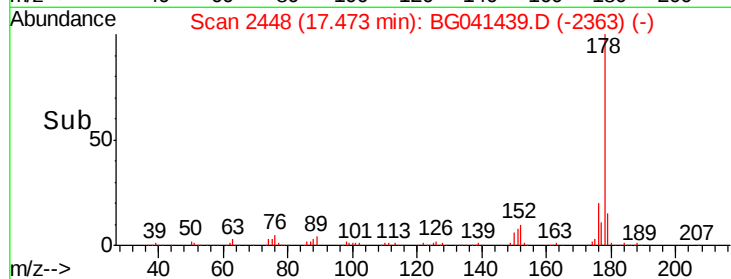
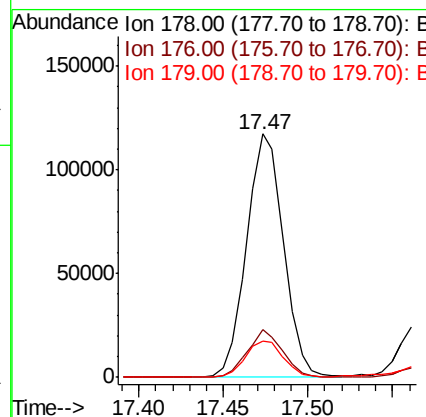
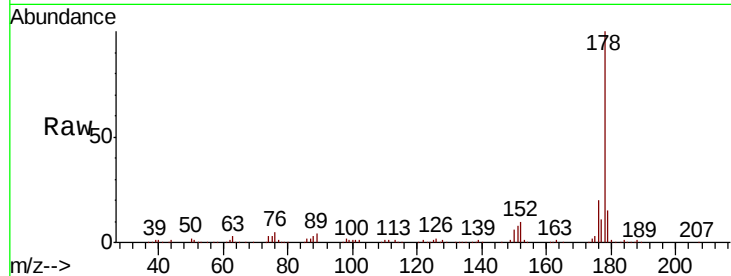
#71
Phenanthrene
Concen: 13.254 ng
RT: 17.47 min Scan# 2448
Delta R.T. -0.03 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.1	24.1
179	14.7	12.9	19.3

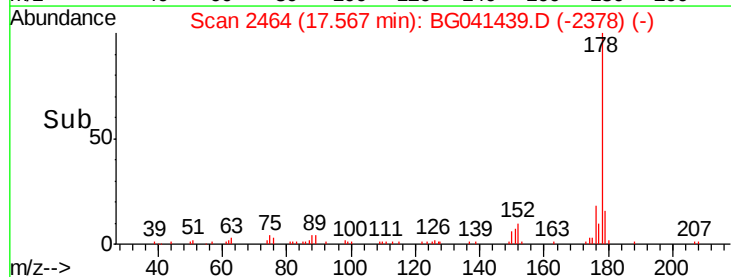
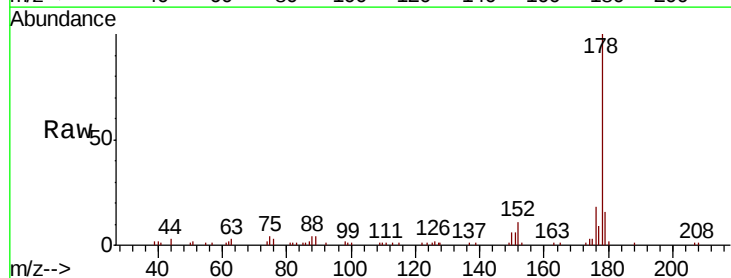
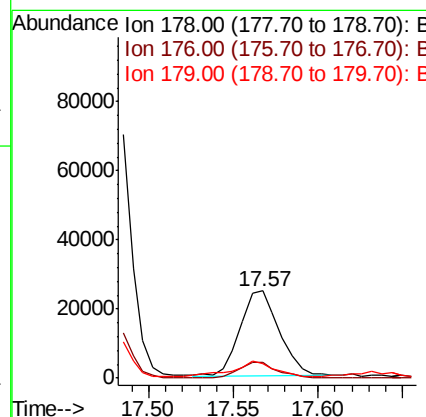
Manual Integrations
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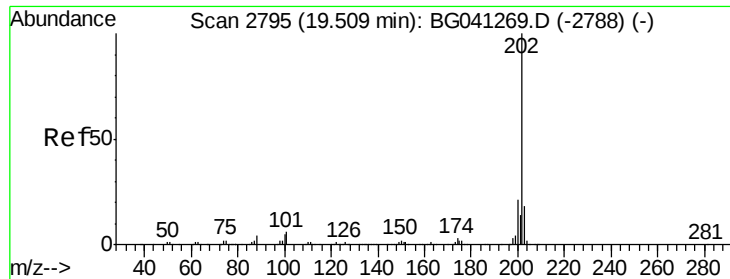
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#72
Anthracene
Concen: 3.030 ng
RT: 17.57 min Scan# 2464
Delta R.T. -0.03 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.9	13.0	19.4





#75

Fluoranthene

Concen: 15.417 ng

RT: 19.48 min Scan# 2790

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

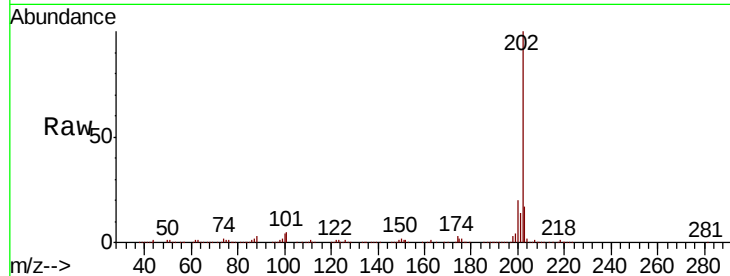
ClientSampled :

B-4(8-9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		276257		
101	5.2	0.0	26.0		
203	17.1	0.0	37.7		

Manual Integrations
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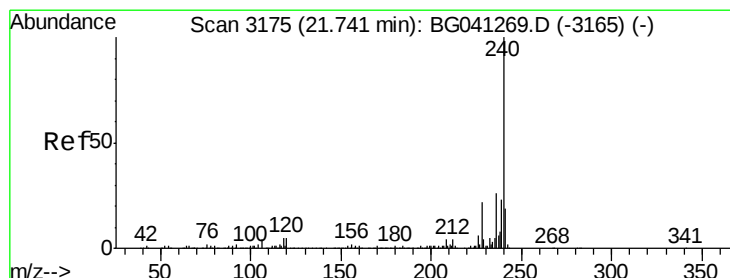
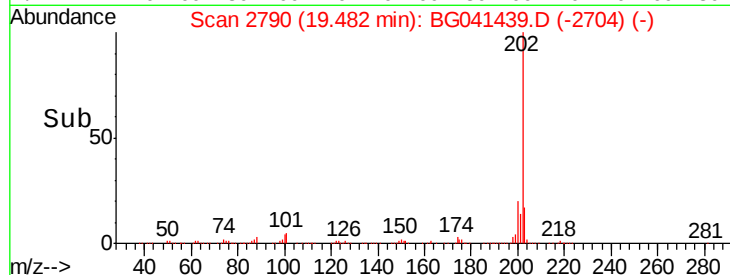
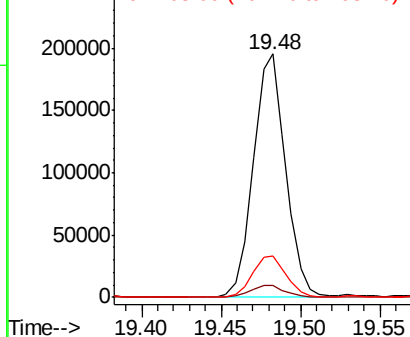


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

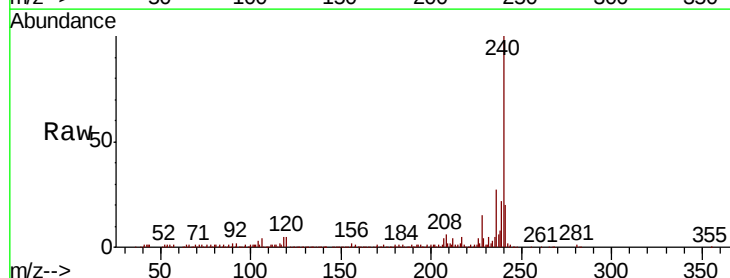
RT: 21.70 min Scan# 3168

Delta R.T. -0.04 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		248241		
120	4.5	3.7	5.5		
236	27.1	21.1	31.7		

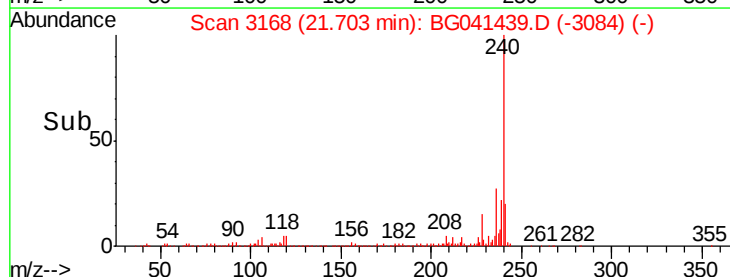
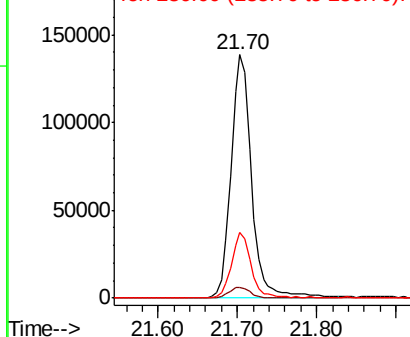


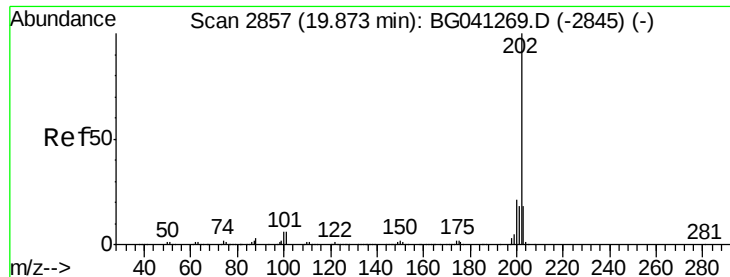
Abundance

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





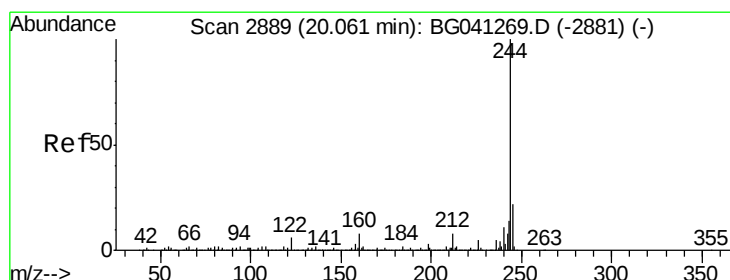
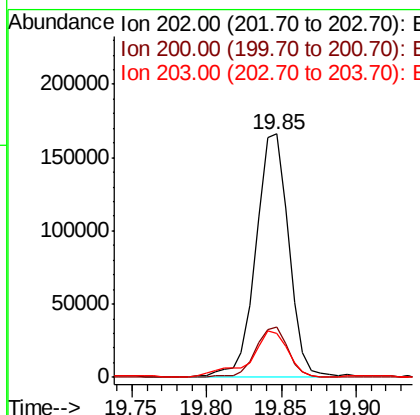
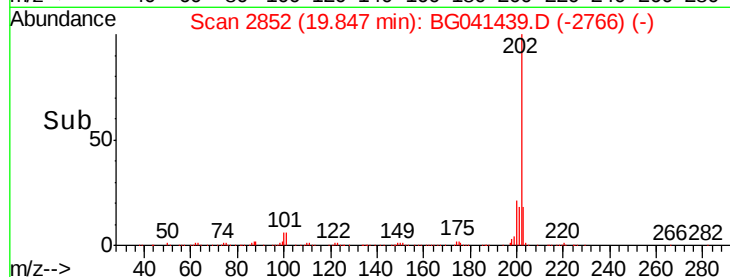
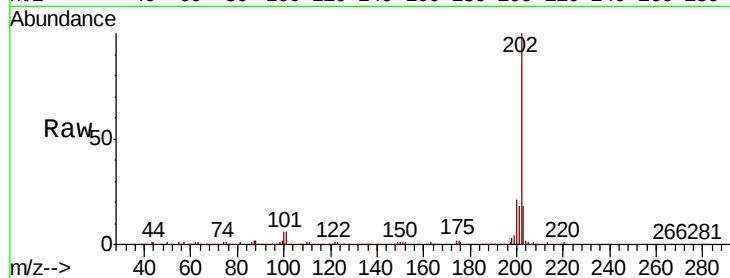
#78
Pvrene
Concen: 14.986 ng
RT: 19.85 min Scan# 2852
Delta R.T. -0.03 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.1	14.6	21.8

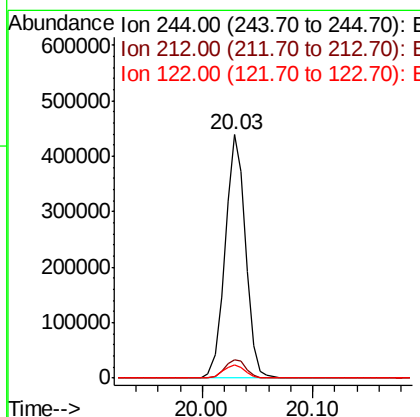
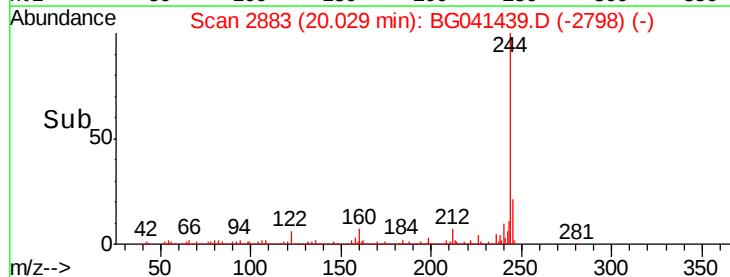
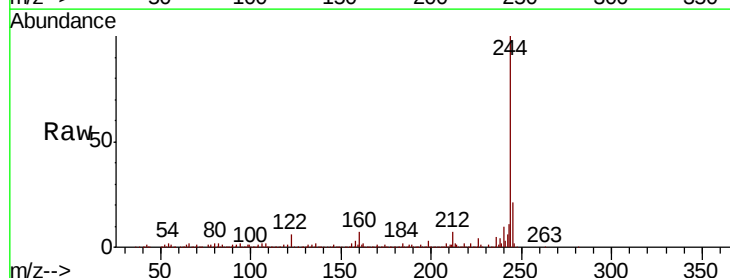
Manual Integrations
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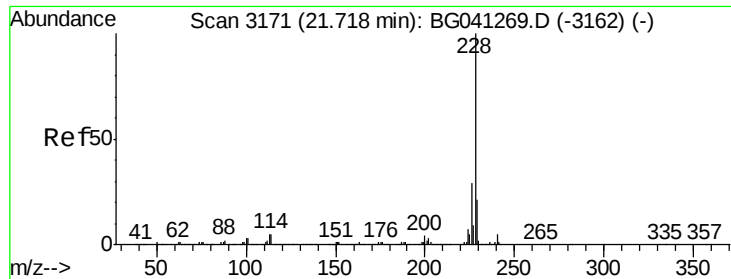
mohammad
6/28/2019 8:24:35 AM



#79
Terphenyl-d14
Concen: 45.321 ng
RT: 20.03 min Scan# 2883
Delta R.T. -0.03 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	6.6	10.0
122	5.6	5.0	7.4





#81

Benzo(a)anthracene

Concen: 7.556 ng

RT: 21.69 min Scan# 3165

Delta R.T. -0.03 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Instrument :

BNA_G

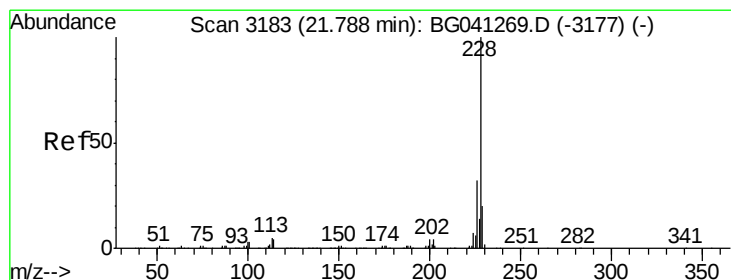
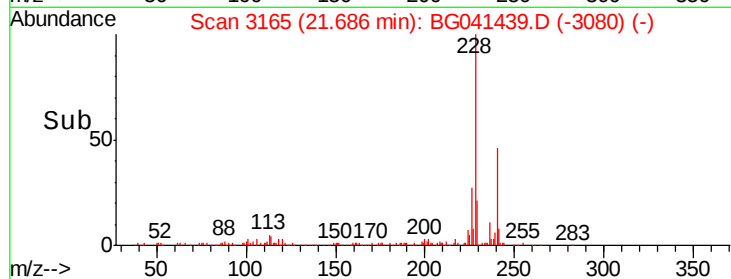
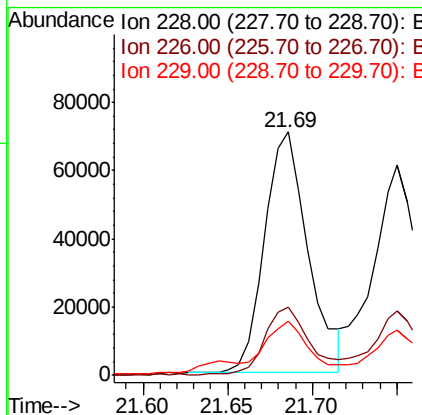
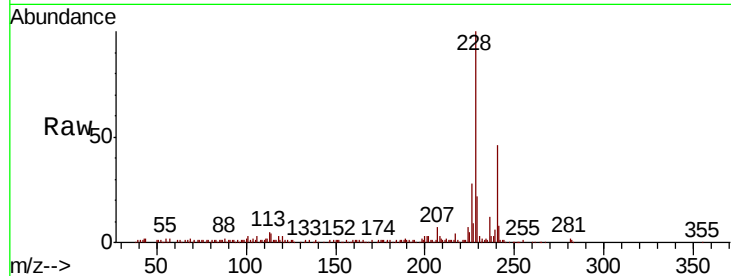
ClientSampleId :

B-4(8-9)

Tot Ion:	228	Resp:	127001
Ion Ratio	Lower	Upper	
228	100		
226	28.2	23.2	34.8
229	22.3	16.8	25.2

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#83

Chrysene

Concen: 7.033 ng

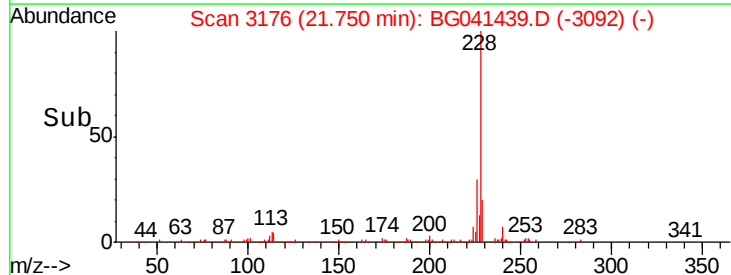
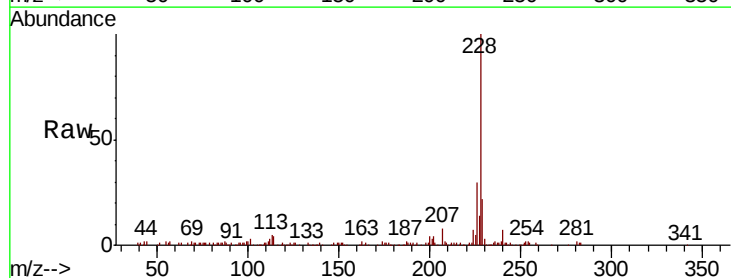
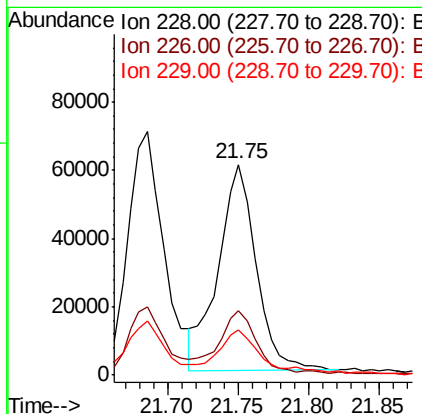
RT: 21.75 min Scan# 3176

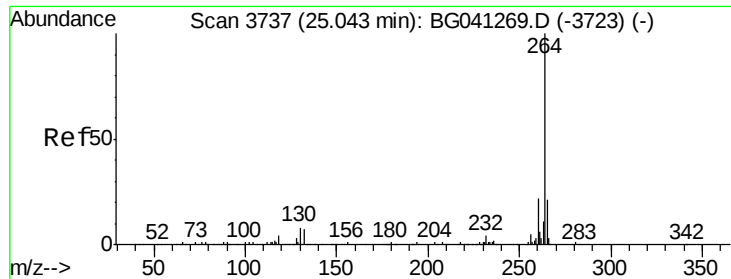
Delta R.T. -0.04 min

Lab File: BG041439.D

Acq: 25 Jun 2019 2:17

Tgt Ion:	228	Resp:	113680
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.4	38.0
229	21.5	16.2	24.2





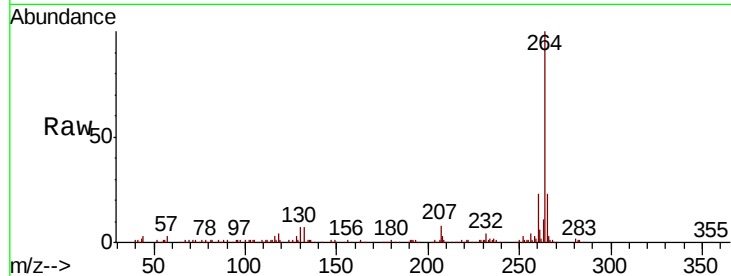
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.99 min Scan# 3727
Delta R.T. -0.06 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.2
265	23.2	17.2	25.8

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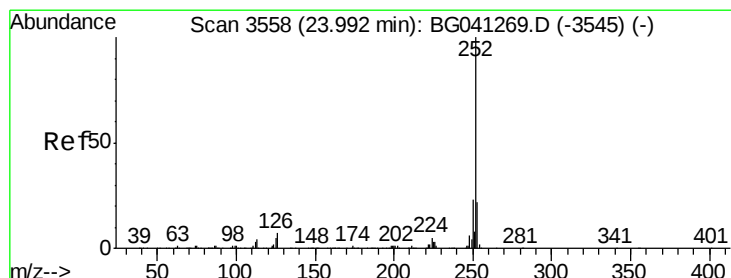
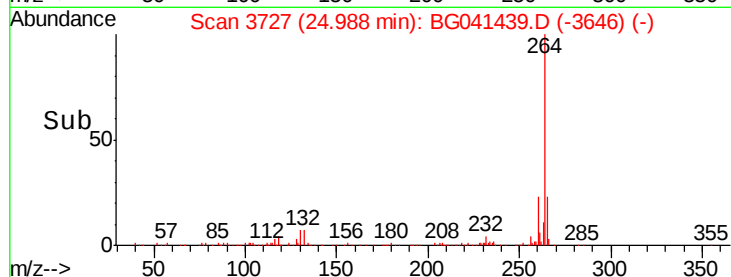
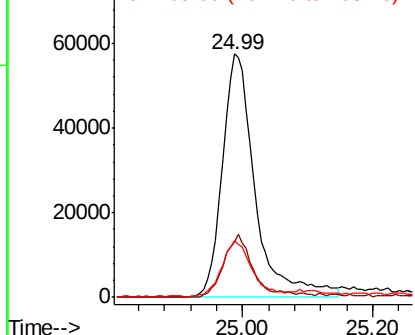


Abundance

Ion 264.00 (263.70 to 264.70): E

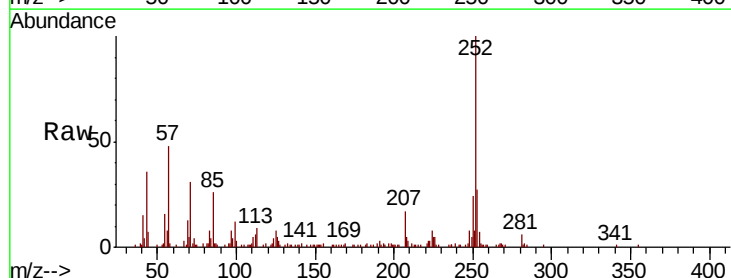
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 7.823 ng
RT: 23.94 min Scan# 3549
Delta R.T. -0.05 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.4	26.0#
125	7.8	3.9	5.9#

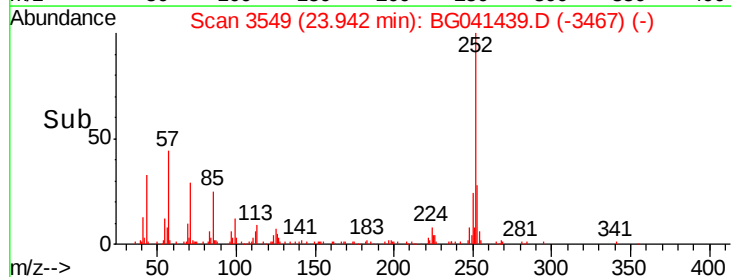
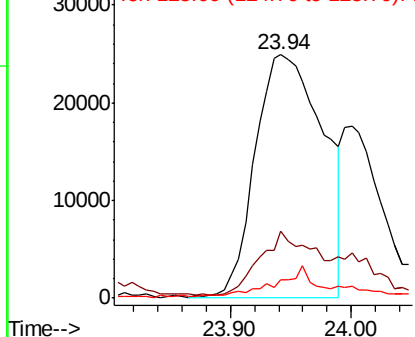


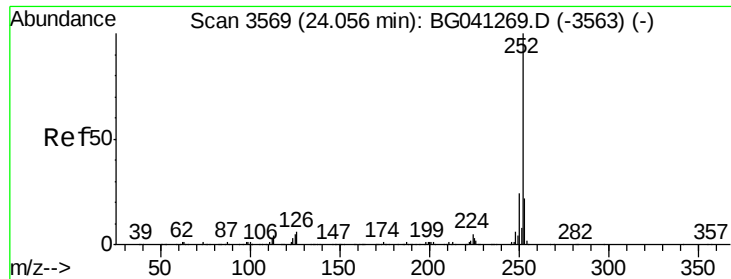
Abundance

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





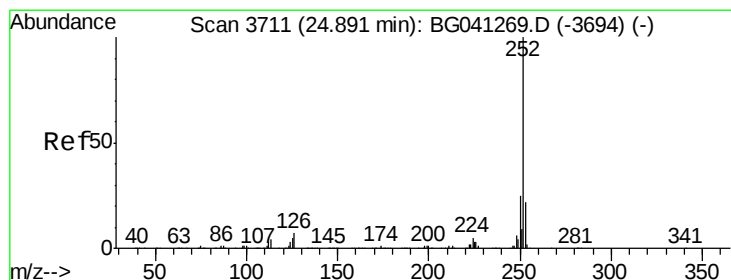
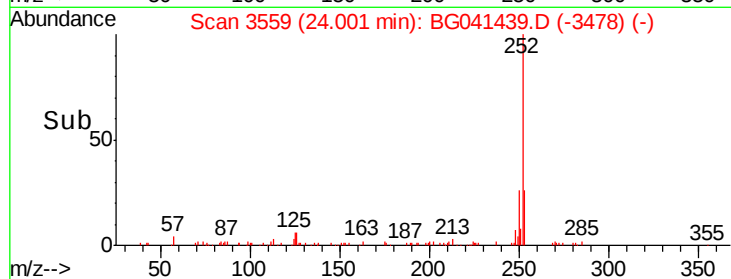
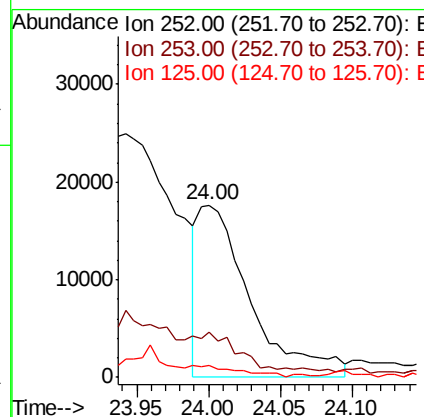
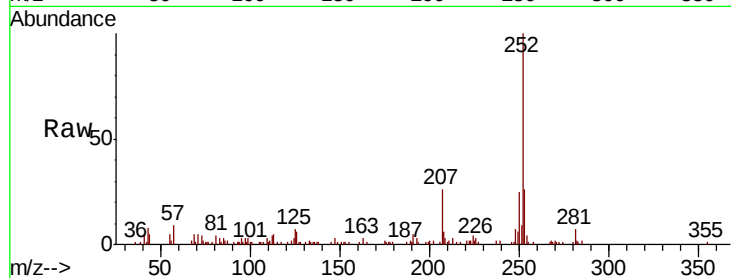
#89
Benzo(k)fluoranthene
Concen: 3.590 ng m
RT: 24.00 min Scan# 3559
Delta R.T. -0.06 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Instrument :
BNA_G
ClientSampleId :
B-4(8-9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.0	27.0
125	6.8	4.3	6.5

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#90
Benzo(a)pyrene
Concen: 5.623 ng
RT: 24.84 min Scan# 3702
Delta R.T. -0.05 min
Lab File: BG041439.D
Acq: 25 Jun 2019 2:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	5.3	4.2	6.4

