

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
 Data File : BG041048.D
 Acq On : 3 Jun 2019 23:51
 Operator : HP/JU
 Sample : K3052-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-SF-03-007-A

Manual Integrations
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mohammad
 6/5/2019 8:35:33 AM

Quant Time: Jun 04 10:00:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 18:39:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	115732	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	408029	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	259820	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	577396	20.00	ng	0.00
76) Chrysene-d12	21.78	240	596518	20.00	ng	0.00
87) Perylene-d12	25.13	264	560187	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	85553	13.33	ng	0.00
7) Phenol-d6	7.27	99	285583	28.81	ng	0.00
23) Nitrobenzene-d5	9.30	82	218044	23.72	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	13607	3.53	ng	-0.01
45) 2-Fluorobiphenyl	13.38	172	426231	23.62	ng	0.00
79) Terphenyl-d14	20.09	244	605875	21.56	ng	0.00
Target Compounds						
71) Phenanthrene	17.54	178	239201	7.953	ng	99
75) Fluoranthene	19.54	202	301478	8.115	ng	100
78) Pyrene	19.90	202	287014	7.402	ng	98
81) Benzo(a)anthracene	21.76	228	135970	3.424	ng	# 93
83) Chrysene	21.82	228	155187	4.084	ng	# 88
88) Benzo(b)fluoranthene	24.05	252	139562	4.108	ng	# 46
90) Benzo(a)pyrene	24.97	252	99260	3.062	ng	# 71

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

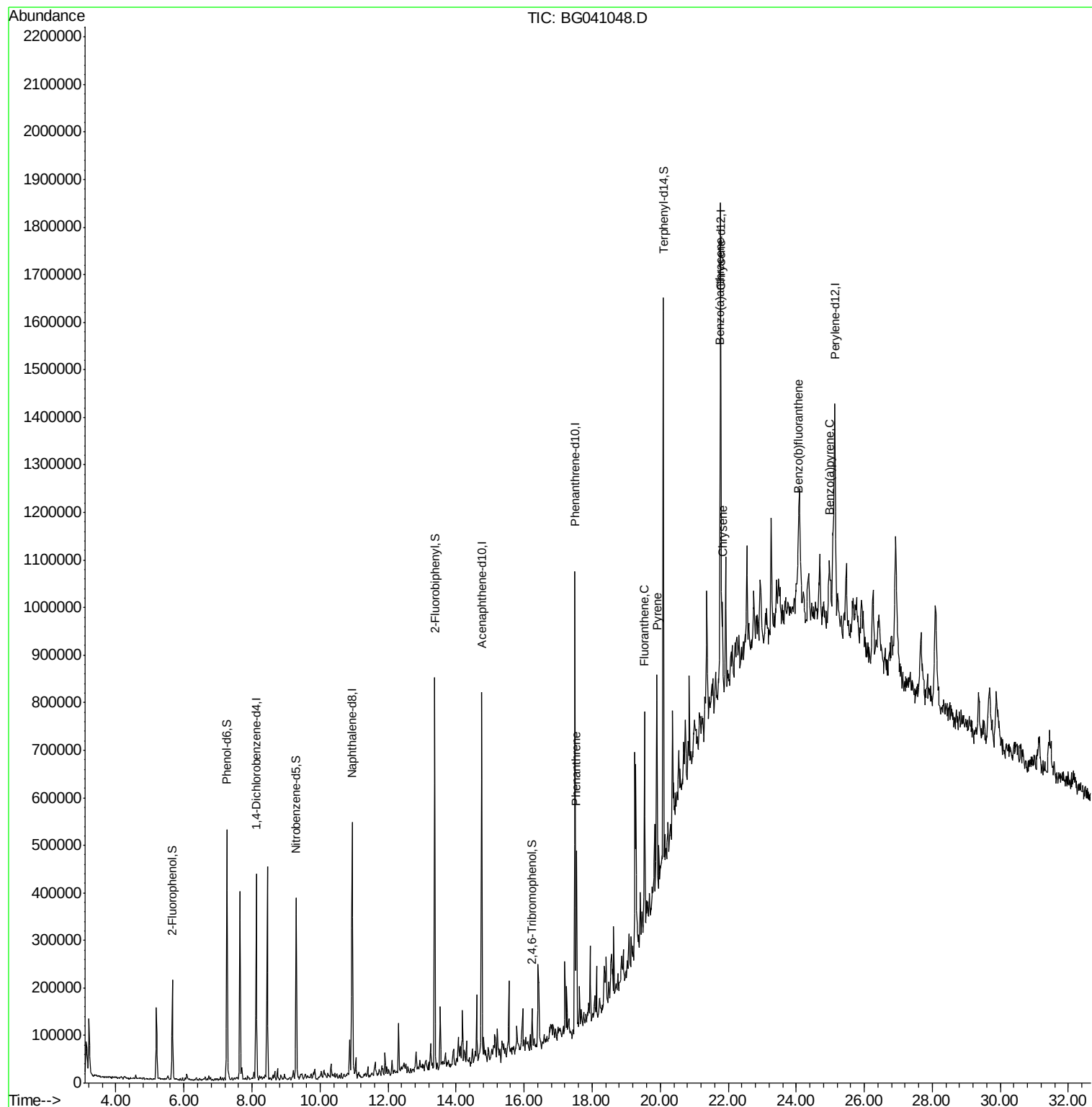
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060319\
Data File : BG041048.D
Acq On : 3 Jun 2019 23:51
Operator : HP/JU
Sample : K3052-01 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

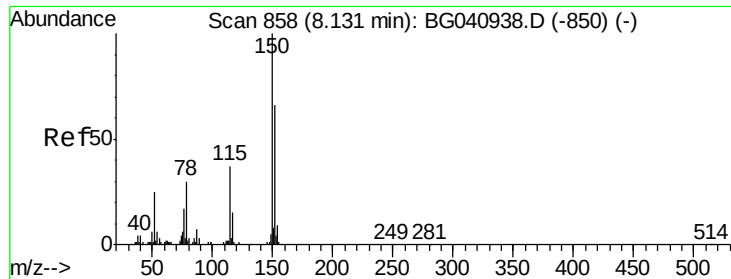
Instrument :
BNA_G
ClientSampleId :
FK-SF-03-007-A

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Quant Time: Jun 04 10:00:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 18:39:57 2019
Response via : Initial Calibration





#1

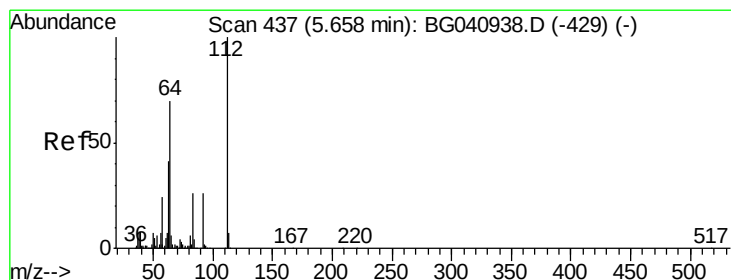
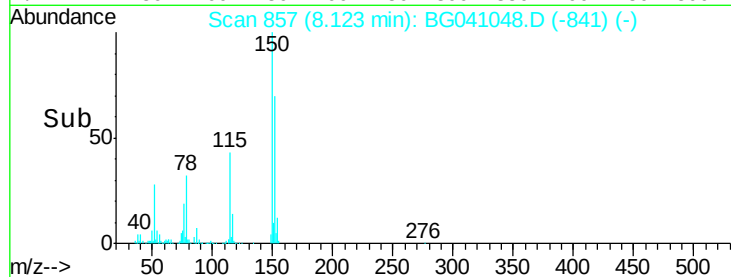
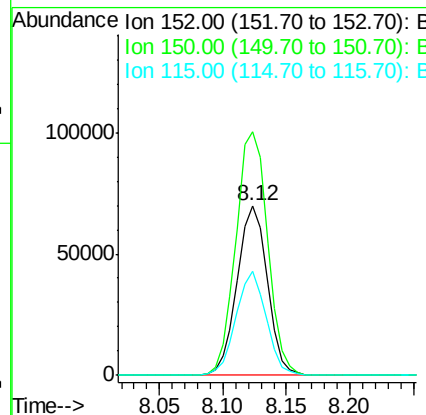
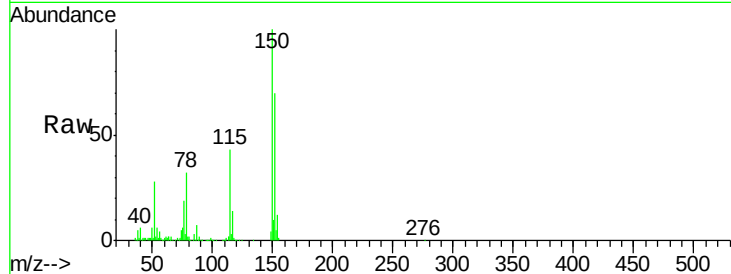
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 857
Delta R.T. -0.01 min
Lab File: BG041048.D
Acq: 3 Jun 2019 23:51

Instrument :
BNA_G
ClientSampleId :
FK-SF-03-007-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.4	120.6	180.8
115	61.1	45.1	67.7

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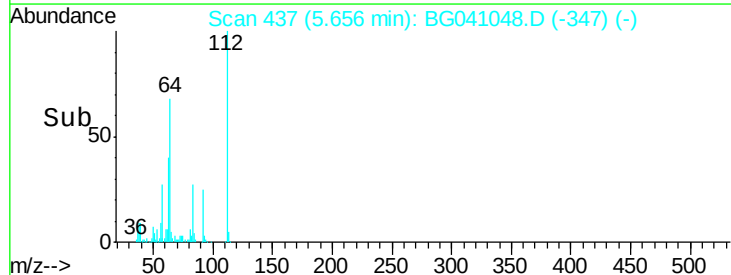
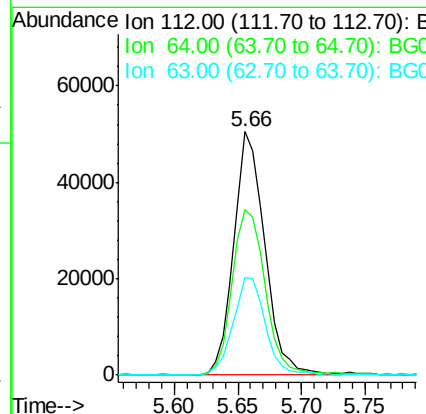
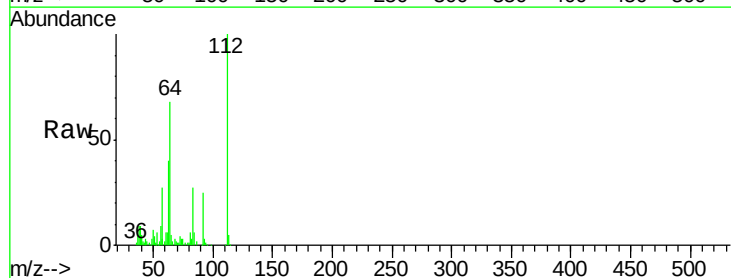
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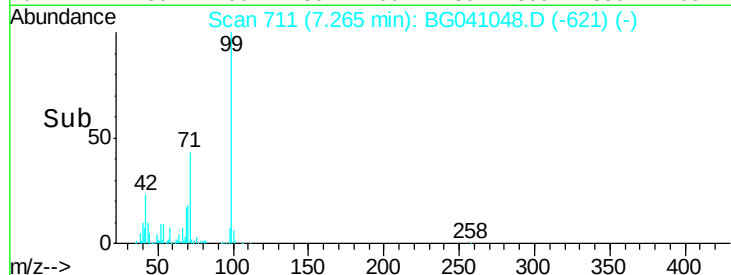
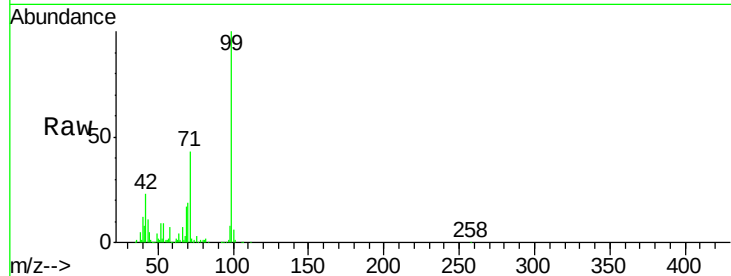
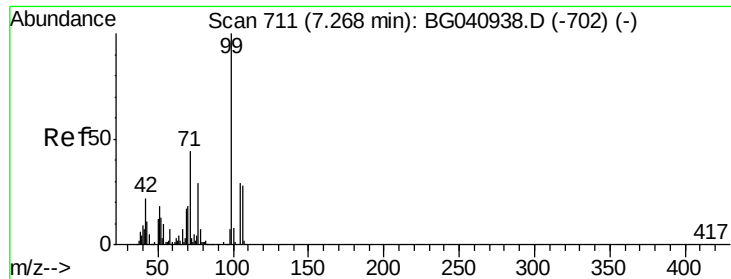


#5

2-Fluorophenol
Concen: 13.330 ng
RT: 5.66 min Scan# 437
Delta R.T. -0.00 min
Lab File: BG041048.D
Acq: 3 Jun 2019 23:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	56.2	84.2
63	40.3	32.8	49.2





#7

Phenol-d6

Concen: 28.812 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Tot Ion:	99	Resp:	285583
Ion Ratio	Lower	Upper	
99	100		
42	23.4	17.9	26.9
71	43.2	35.4	53.0

Instrument :

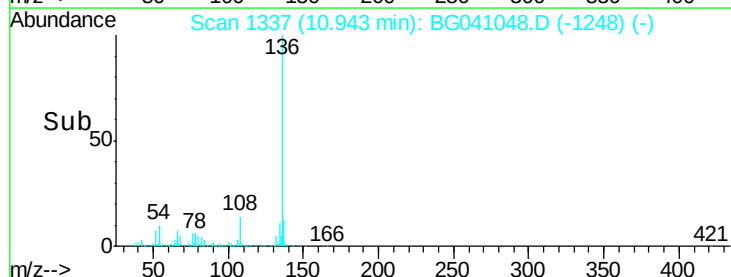
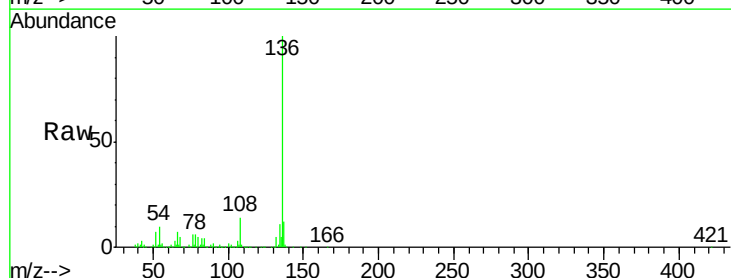
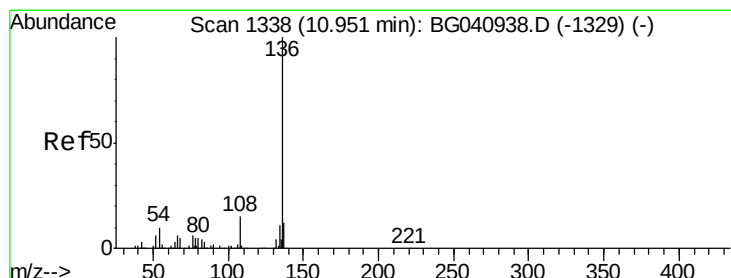
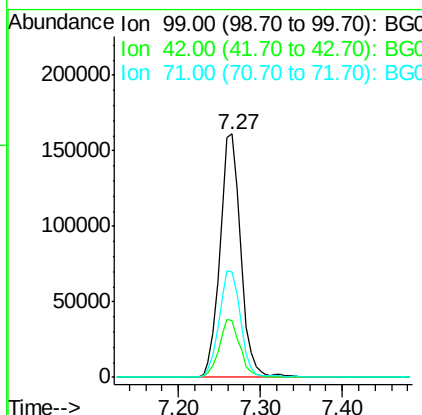
BNA_G

ClientSampleId :

FK-SF-03-007-A

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#21

Naphthalene-d8

Concen: 20.000 ng

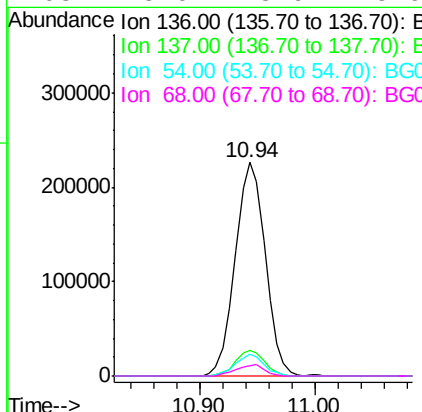
RT: 10.94 min Scan# 1337

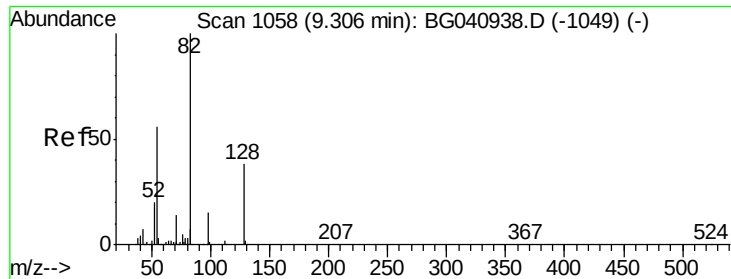
Delta R.T. -0.01 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Tgt Ion:	136	Resp:	408029
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.5	14.3
54	10.4	7.6	11.4
68	5.0	3.9	5.9





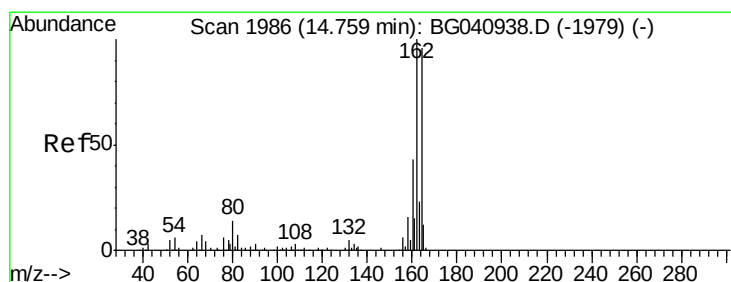
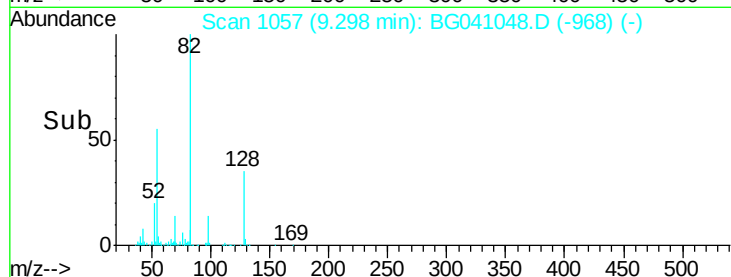
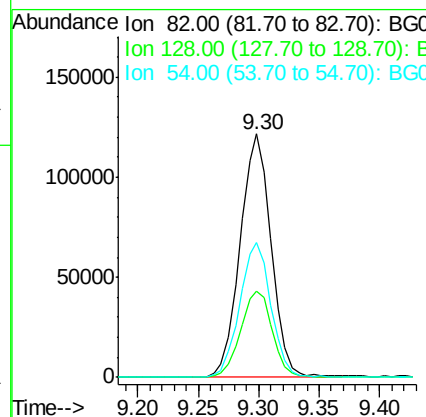
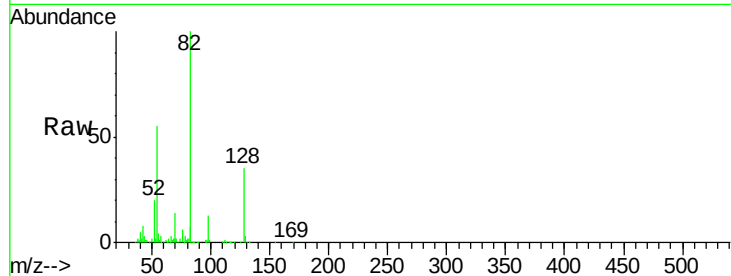
#23
Nitrobenzene-d5
Concen: 23.723 ng
RT: 9.30 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BG041048.D
Acq: 3 Jun 2019 23:51

Instrument :
BNA_G
ClientSampleId :
FK-SF-03-007-A

Tot Ion	82	Resp	218044
Ion Ratio	Lower	Upper	
82	100		
128	35.2	30.5	45.7
54	55.1	44.6	66.8

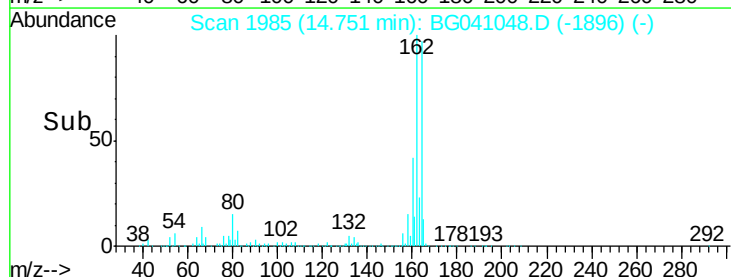
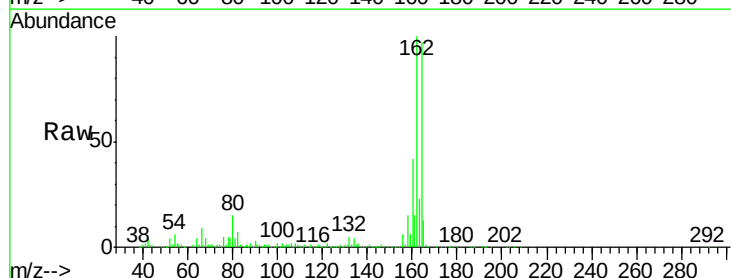
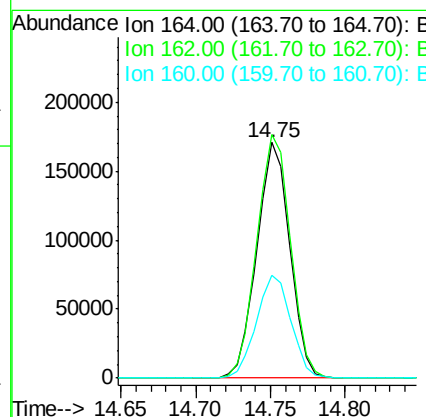
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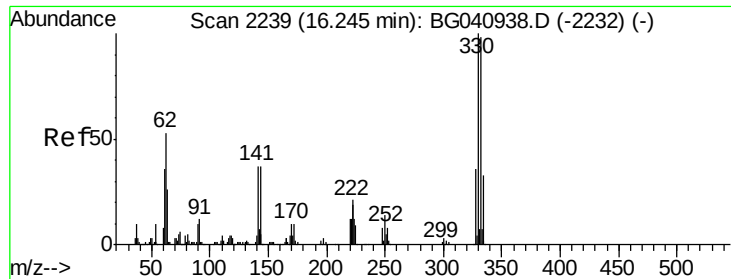
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.75 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BG041048.D
Acq: 3 Jun 2019 23:51

Tgt Ion	164	Resp	259820
Ion Ratio	Lower	Upper	
164	100		
162	103.4	83.0	124.4
160	43.6	35.6	53.4





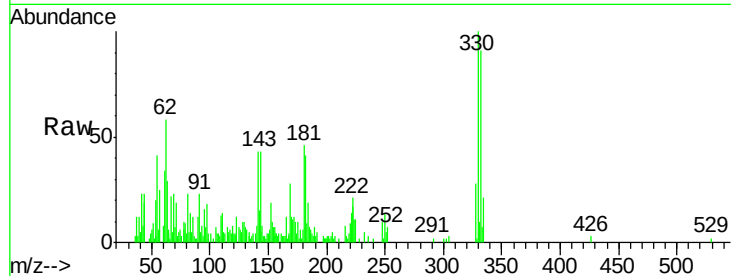
#42
 2,4,6-Tribromophenol
 Concen: 3.528 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BG041048.D
 Acq: 3 Jun 2019 23:51

Instrument :
 BNA_G
 ClientSampleId :
 FK-SF-03-007-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.5	117.7
141	38.5	28.7	43.1

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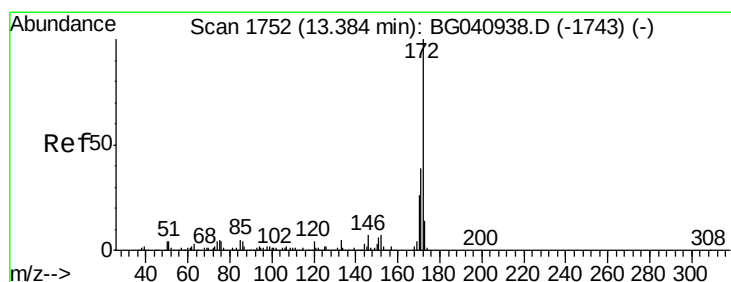
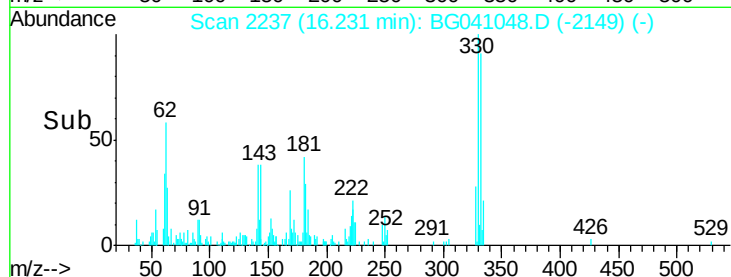
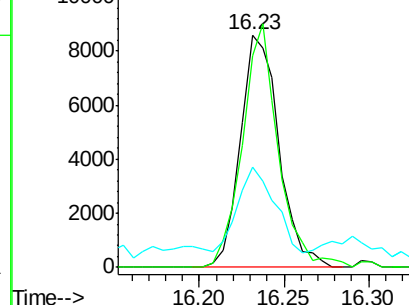


Abundance

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: 23.625 ng
 RT: 13.38 min Scan# 1751
 Delta R.T. -0.01 min
 Lab File: BG041048.D
 Acq: 3 Jun 2019 23:51

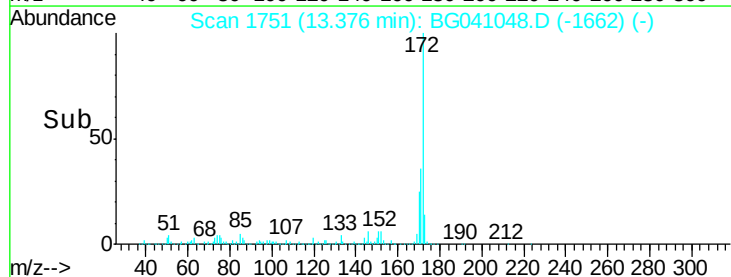
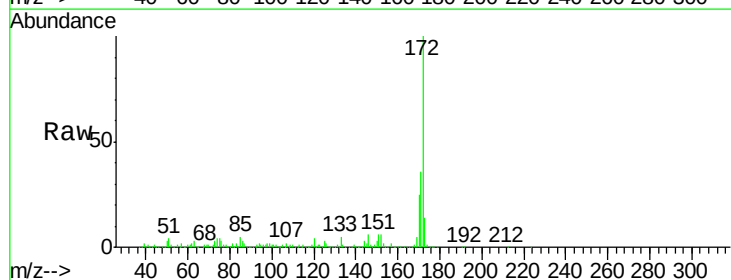
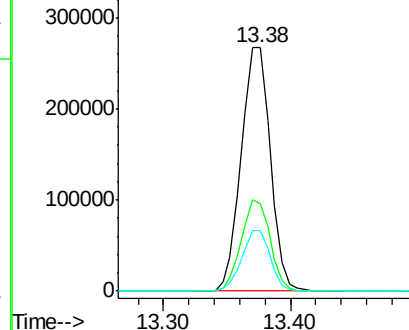
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	31.1	46.7
170	24.9	20.5	30.7

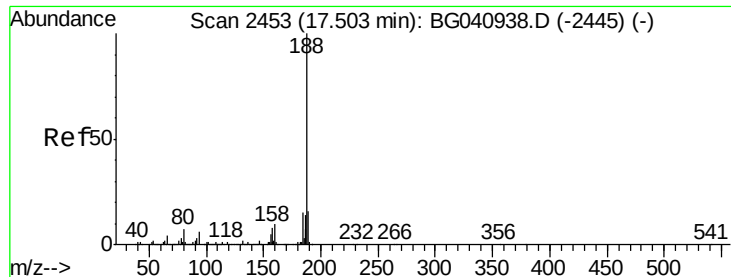
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.49 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Instrument :

BNA_G

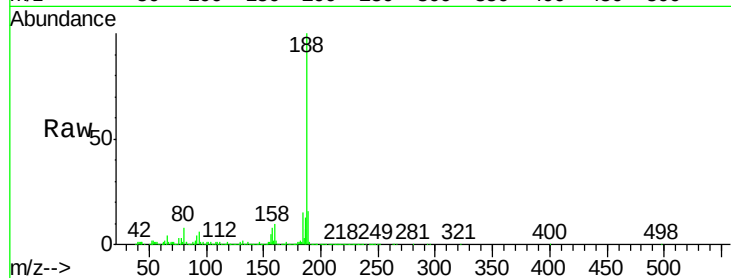
ClientSampleId :

FK-SF-03-007-A

Tot Ion:	188	Resp:	577396
Ion Ratio	Lower	Upper	
188	100		
94	6.2	4.7	7.1
80	7.6	5.8	8.8

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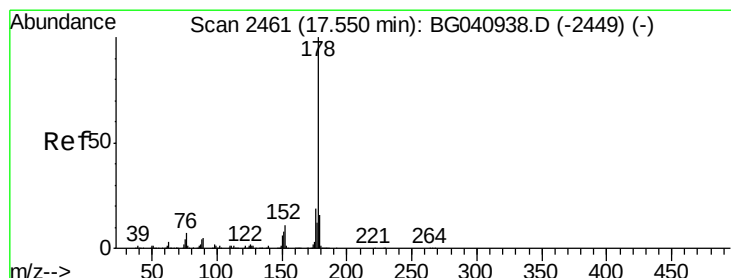
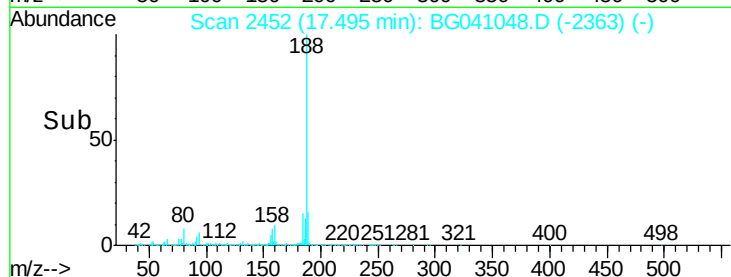
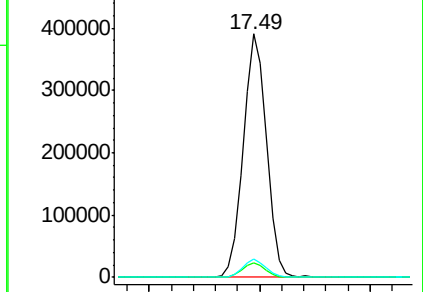
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#71

Phenanthrene

Concen: 7.953 ng

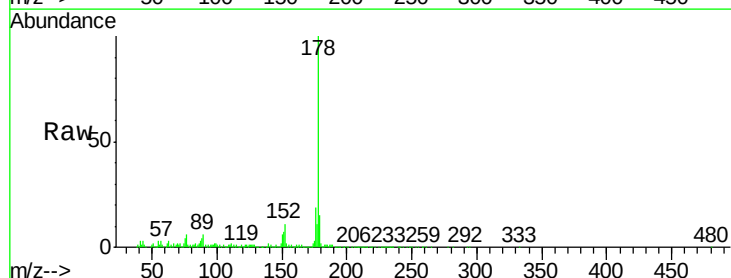
RT: 17.54 min Scan# 2459

Delta R.T. -0.01 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

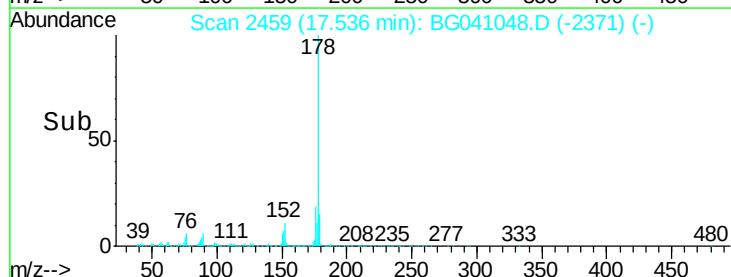
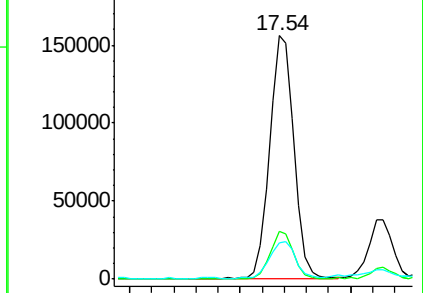
Tgt Ion:	178	Resp:	239201
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.5	23.3
179	15.1	12.7	19.1

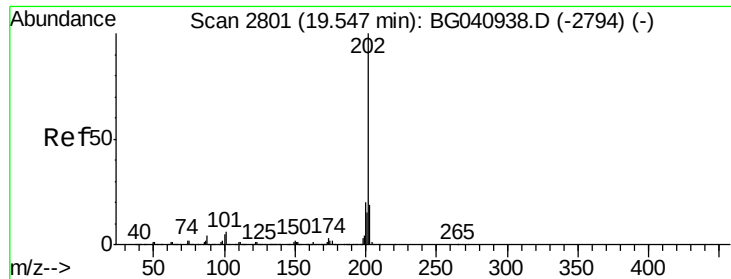


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.115 ng

RT: 19.54 min Scan# 2800

Delta R.T. -0.01 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Instrument :

BNA_G

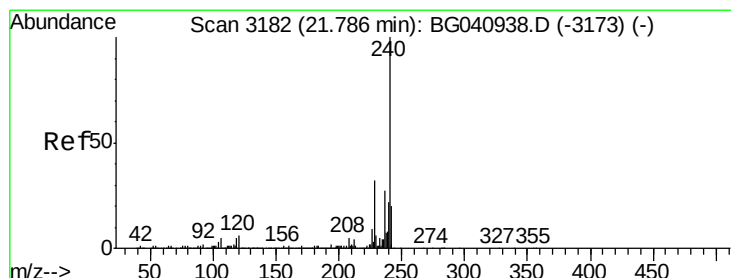
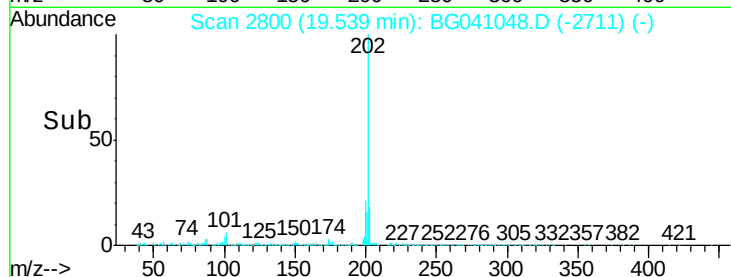
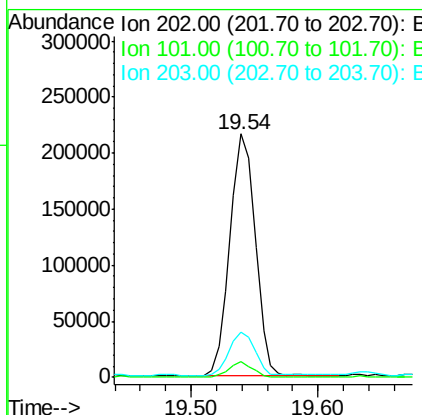
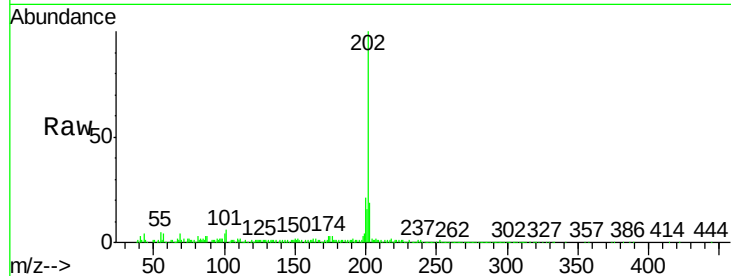
ClientSampleId :

FK-SF-03-007-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.3	0.0	26.2
203	18.6	0.0	38.7

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#76

Chrysene-d12

Concen: 20.000 ng

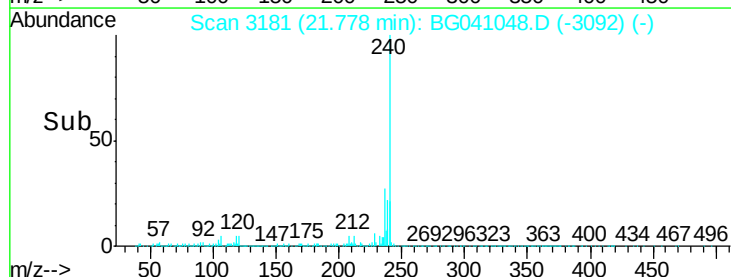
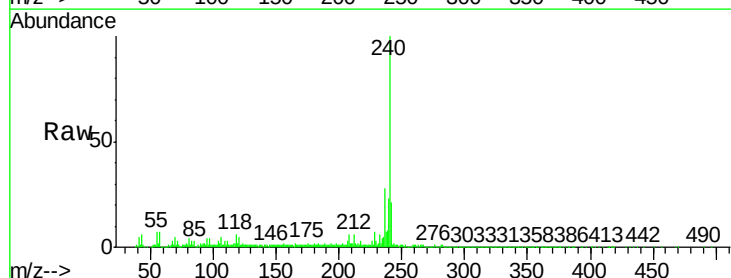
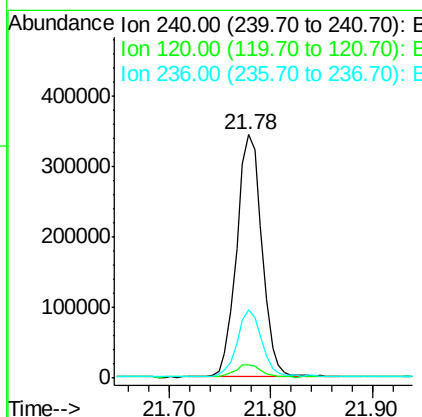
RT: 21.78 min Scan# 3181

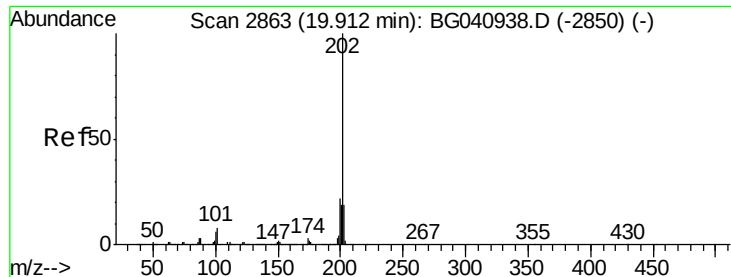
Delta R.T. -0.01 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	5.3	4.5	6.7
236	28.0	21.3	31.9





#78

Pvrene

Concen: 7.402 ng

RT: 19.90 min Scan# 2862

Delta R.T. -0.01 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Instrument :

BNA_G

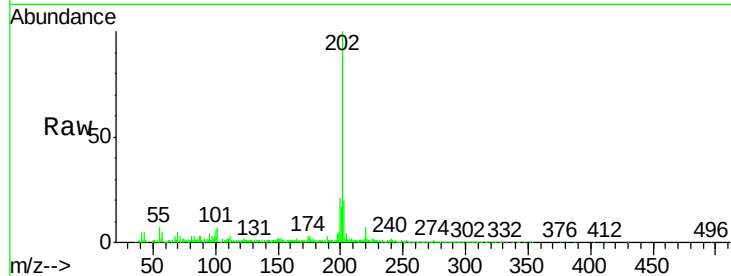
ClientSampleId :

FK-SF-03-007-A

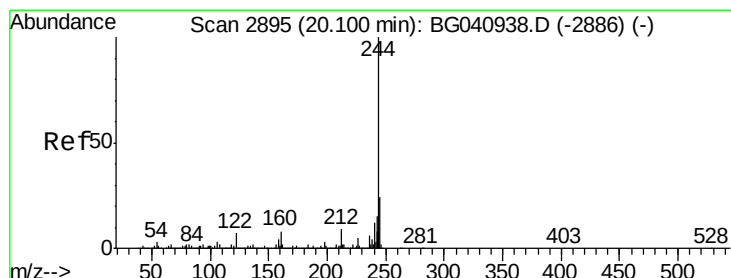
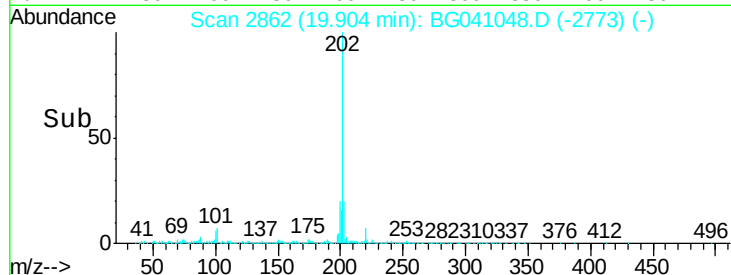
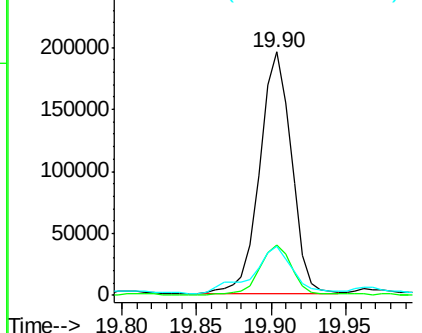
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.5	26.3
203	20.4	15.6	23.4

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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: 21.556 ng

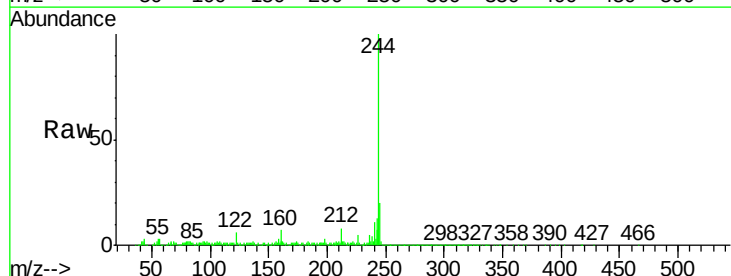
RT: 20.09 min Scan# 2894

Delta R.T. -0.01 min

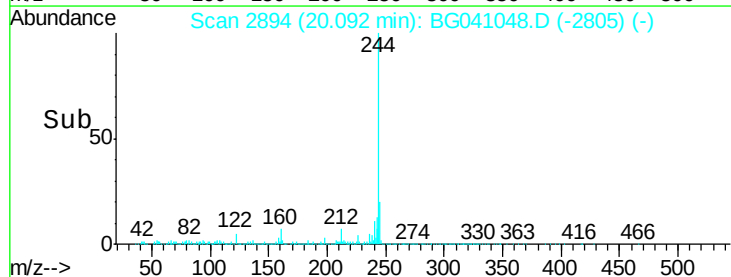
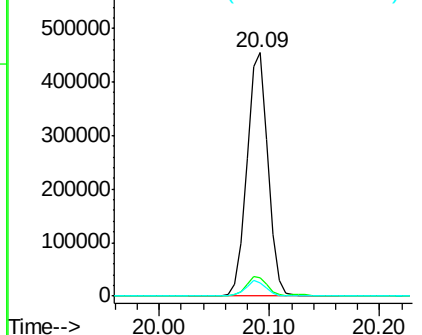
Lab File: BG041048.D

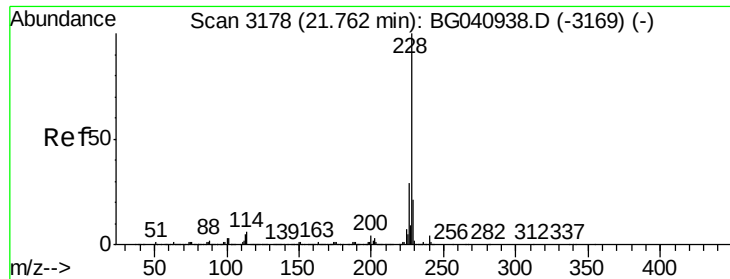
Acq: 3 Jun 2019 23:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.0	10.4
122	5.5	5.4	8.0



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: 3.424 ng

RT: 21.76 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Instrument :

BNA_G

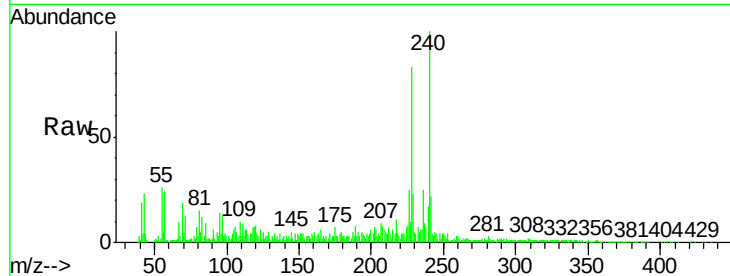
ClientSampleId :

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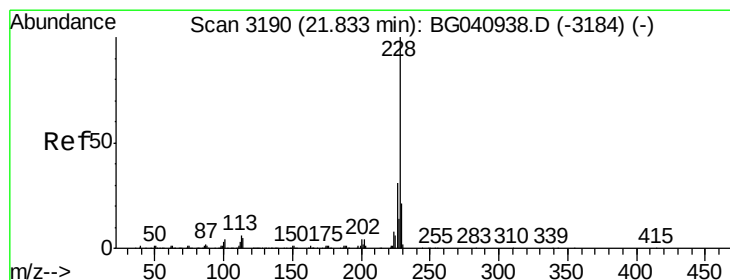
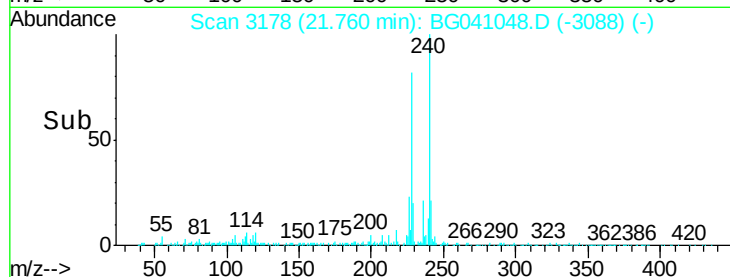
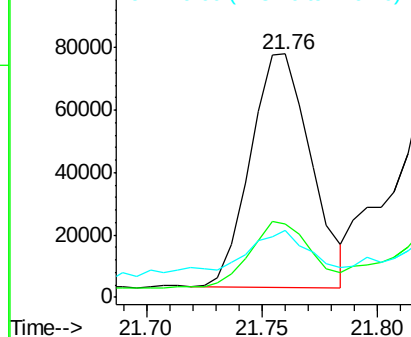
Tot Ion:	228	Resp:	135970
Ion Ratio	Lower	Upper	
228	100		
226	30.3	23.5	35.3
229	27.3	16.7	25.1#

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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: 4.084 ng

RT: 21.82 min Scan# 3189

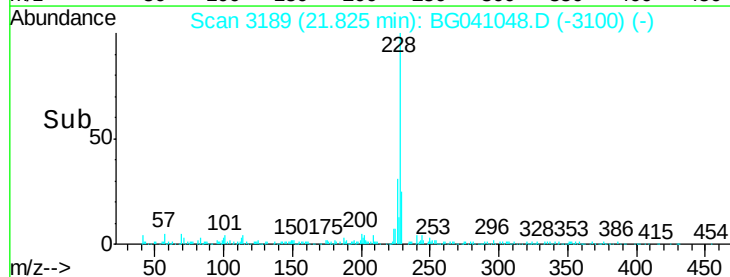
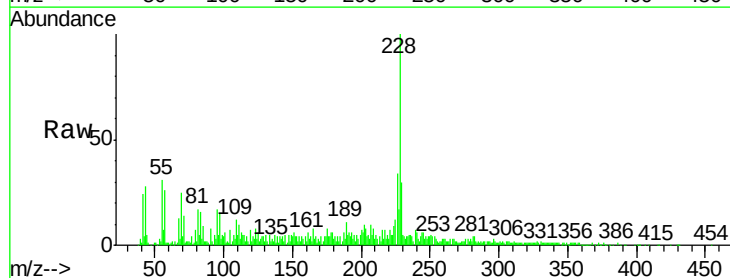
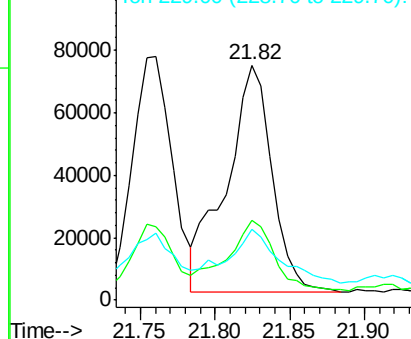
Delta R.T. -0.01 min

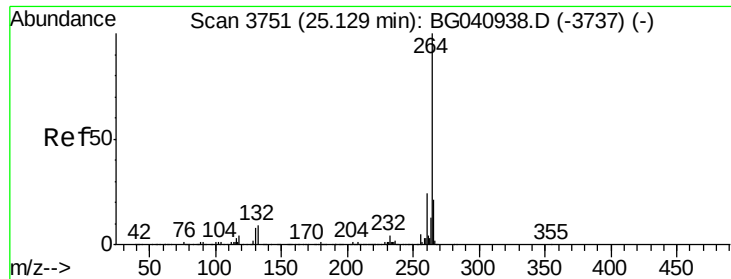
Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Tgt Ion:	228	Resp:	155187
Ion Ratio	Lower	Upper	
228	100		
226	34.2	24.6	37.0
229	30.1	16.6	24.8#

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.13 min Scan# 3752

Delta R.T. 0.00 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Instrument :

BNA_G

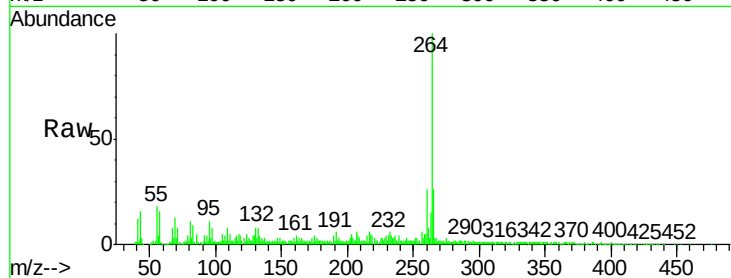
ClientSampleId :

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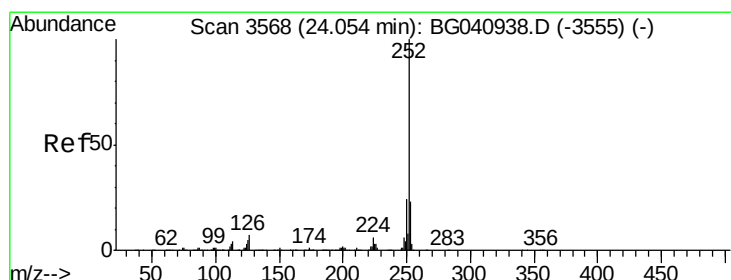
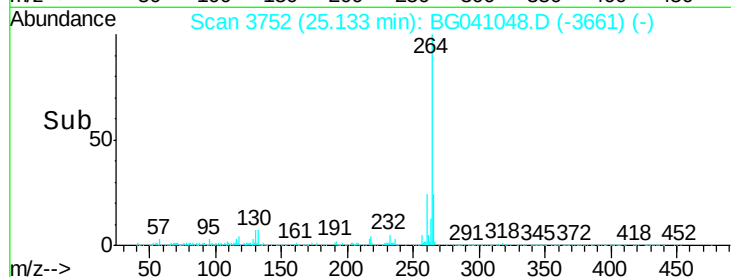
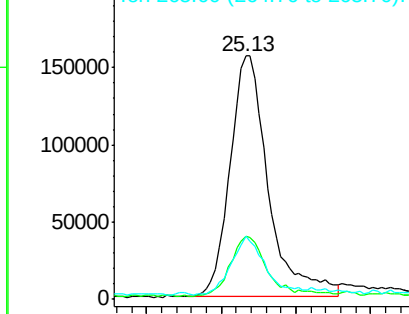
Tot Ion:	264	Resp:	560187
Ion Ratio		Lower	Upper
264	100		
260	25.9	19.0	28.4
265	26.1	17.0	25.4#

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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: 4.108 ng

RT: 24.05 min Scan# 3568

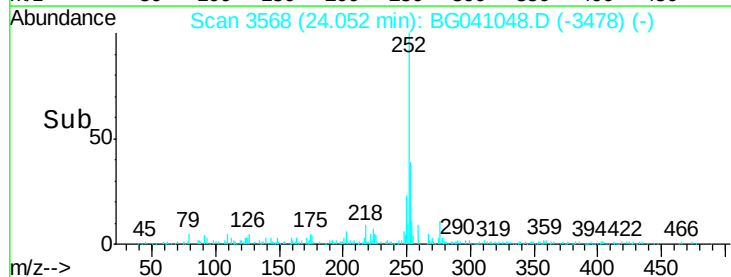
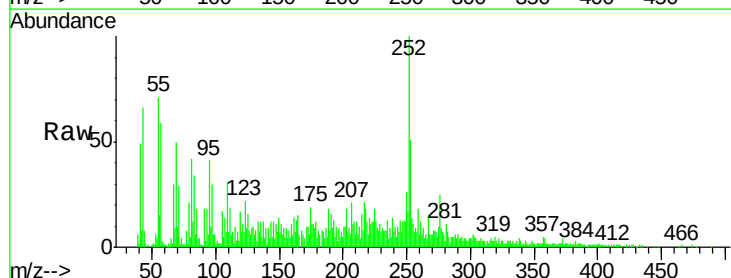
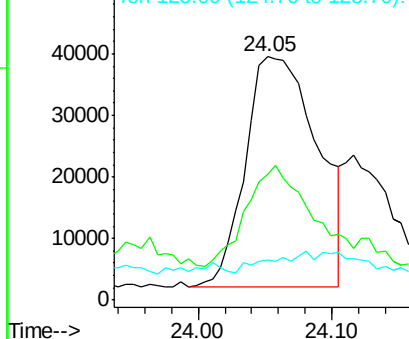
Delta R.T. -0.00 min

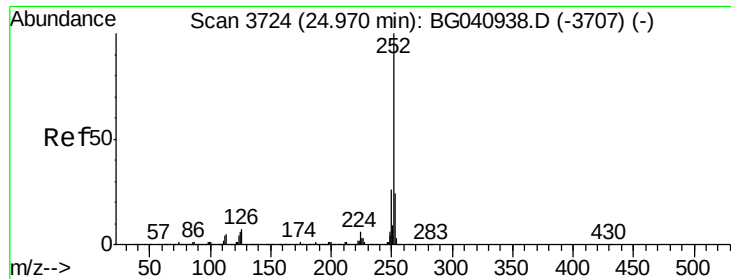
Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Tgt Ion:	252	Resp:	139562
Ion Ratio		Lower	Upper
252	100		
253	51.4	18.4	27.6#
125	16.5	4.3	6.5#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.062 ng

RT: 24.97 min Scan# 3724

Delta R.T. -0.00 min

Lab File: BG041048.D

Acq: 3 Jun 2019 23:51

Instrument :

BNA_G

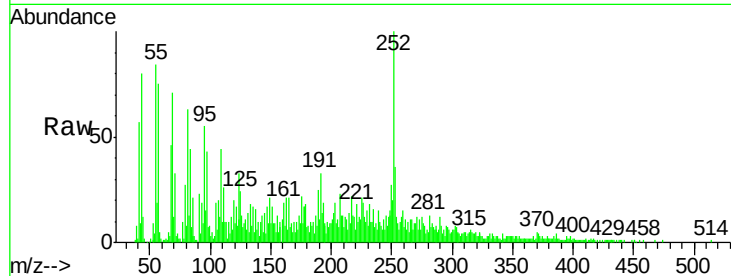
ClientSampleId :

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Tot Ion:	252	Resp:	99260
Ion Ratio	Lower	Upper	
252	100		
253	36.1	19.5	29.3#
125	23.6	5.1	7.7#

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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

