

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
 Data File : BG041668.D
 Acq On : 16 Jul 2019 15:04
 Operator : HP/JU
 Sample : K3830-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-4651

Manual Integrations
 APPROVED

mohammad
 7/17/2019 12:04:58 PM

Quant Time: Jul 17 02:34:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 15 16:16:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	113555	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	465010	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	286977	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	683980	20.00	ng	0.00
76) Chrysene-d12	21.65	240	669235	20.00	ng	0.00
87) Perylene-d12	24.85	264	774661	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	838531	120.72	ng	0.00
7) Phenol-d6	7.20	99	1169102	125.13	ng	0.00
23) Nitrobenzene-d5	9.20	82	710390	92.91	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	443878	137.25	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	1476712	79.68	ng	0.00
79) Terphenyl-d14	20.01	244	2101182	73.37	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.12	163	262504	11.647	ng	99
71) Phenanthrene	17.45	178	203450	5.906	ng	# 91
75) Fluoranthene	19.45	202	479761	11.343	ng	91
78) Pyrene	19.80	202	461657	10.200	ng	# 89
81) Benzo(a)anthracene	21.64	228	234470	5.423	ng	95
83) Chrysene	21.70	228	223400	5.407	ng	91
86) Indeno(1,2,3-cd)pyrene	28.49	276	123852	2.272	ng	# 92
88) Benzo(b)fluoranthene	23.84	252	272006	5.789	ng	# 92
89) Benzo(k)fluoranthene	23.89	252	97175m	2.232	ng	
90) Benzo(a)pyrene	24.70	252	195789	4.404	ng	96
92) Benzo(g,h,i)perylene	29.61	276	118209	2.736	ng	96

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

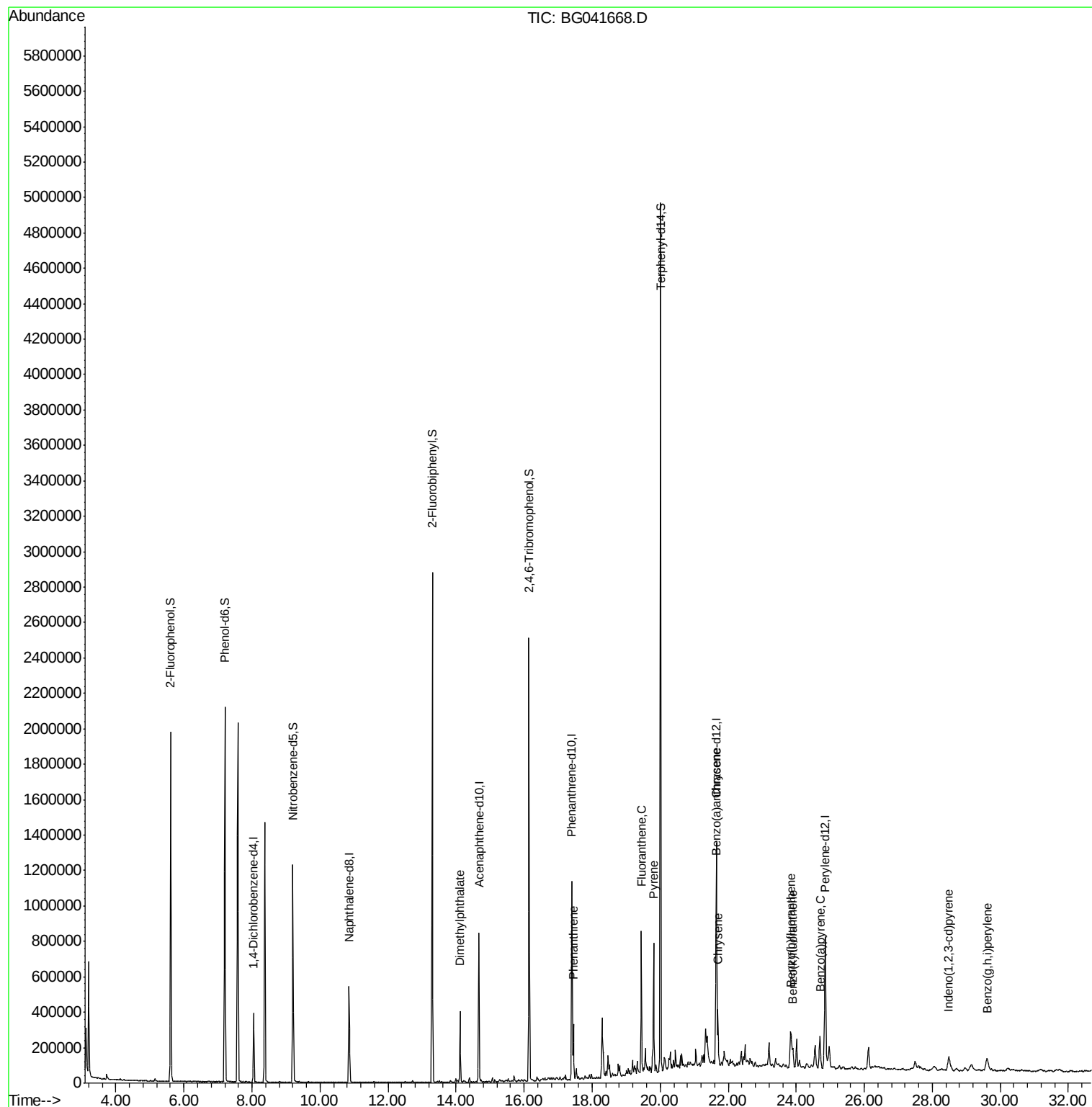
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071619\
Data File : BG041668.D
Acq On : 16 Jul 2019 15:04
Operator : HP/JU
Sample : K3830-03
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BNA_G
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 15 16:16:21 2019
Response via : Initial Calibration





#1

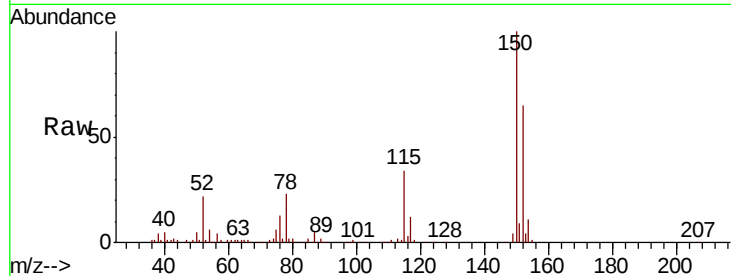
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.00 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Instrument :
BNA_G
ClientSampleId :
RT-4651

Tot Ion	Ratio	Resp	Lower	Upper
152	100			
150	154.9	126.9	190.3	
115	52.3	45.0	67.6	

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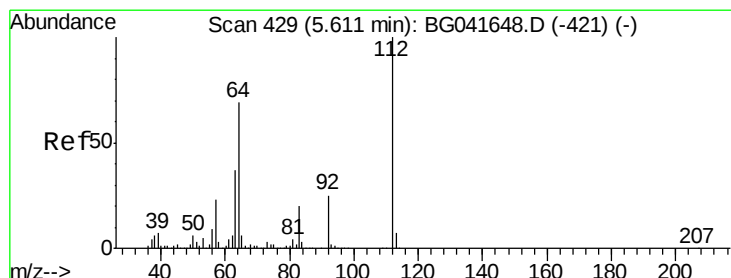
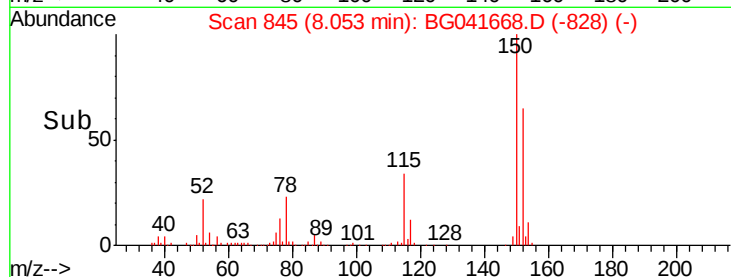
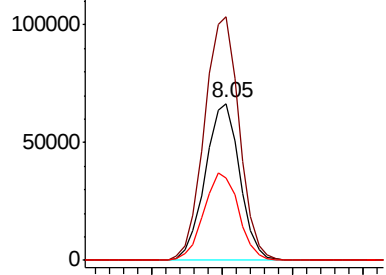


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

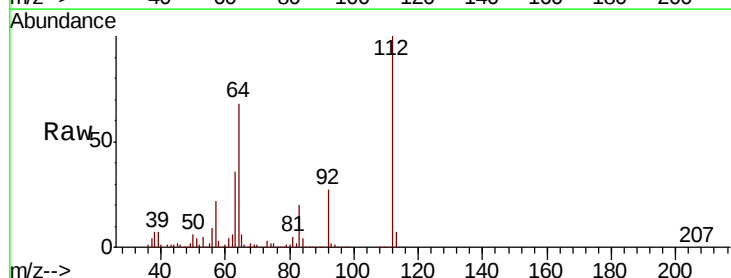
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 120.716 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
64	68.1	55.4	83.2	
63	35.8	29.1	43.7	

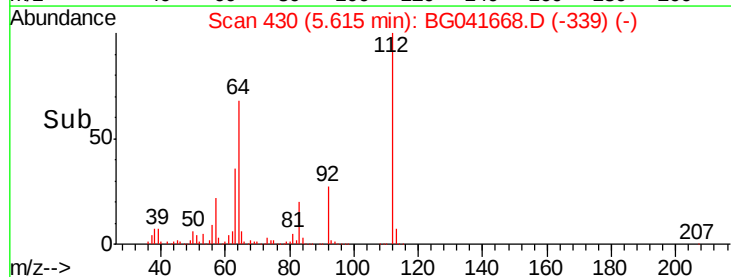
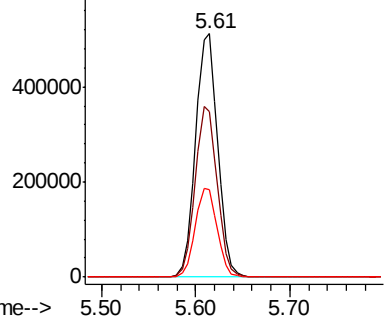


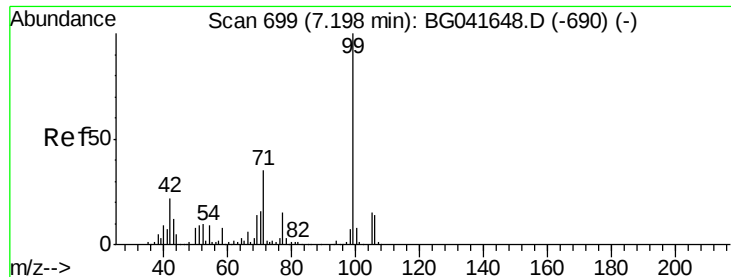
Abundance

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: 125.130 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

Instrument :

BNA_G

ClientSampleId :

RT-4651

Tot Ion: 99 Resp: 1169102

Ion Ratio Lower Upper

99 100

42 22.4 17.6 26.4

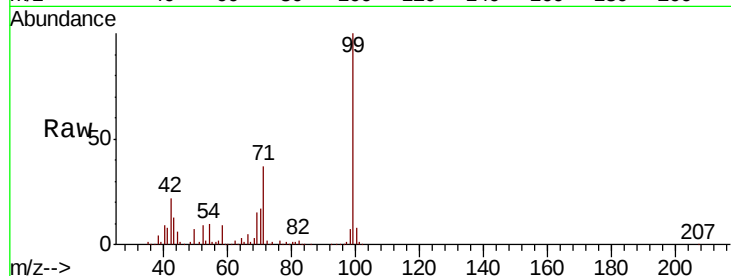
71 36.9 27.8 41.6

Manual Integrations

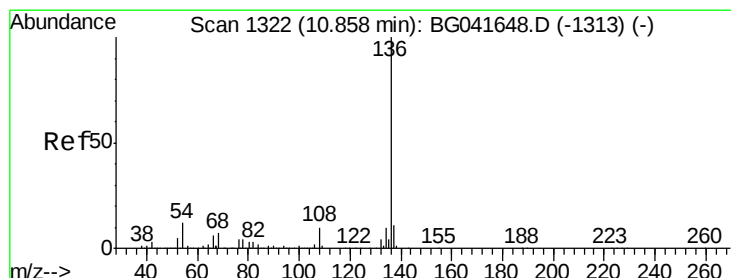
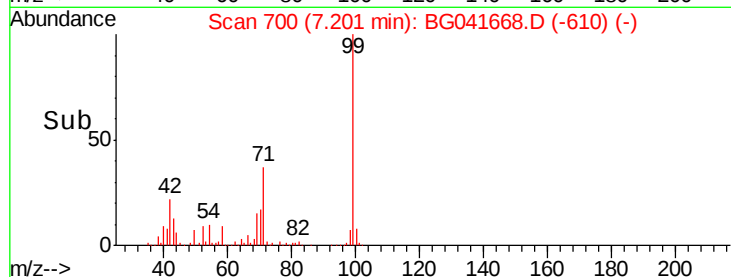
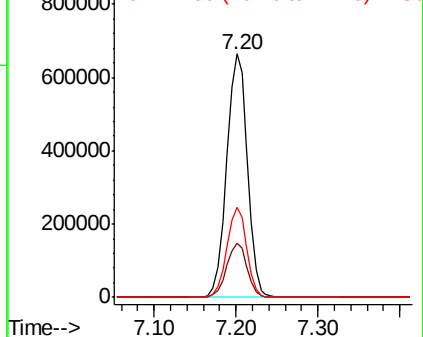
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

Tgt Ion: 136 Resp: 465010

Ion Ratio Lower Upper

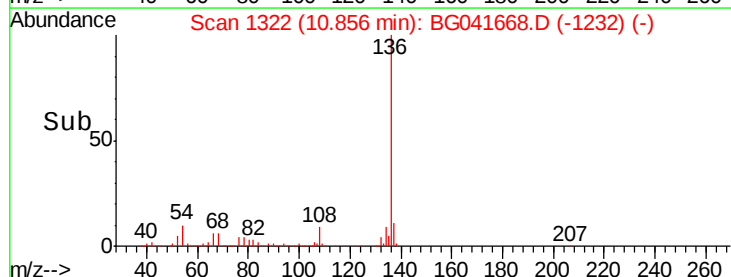
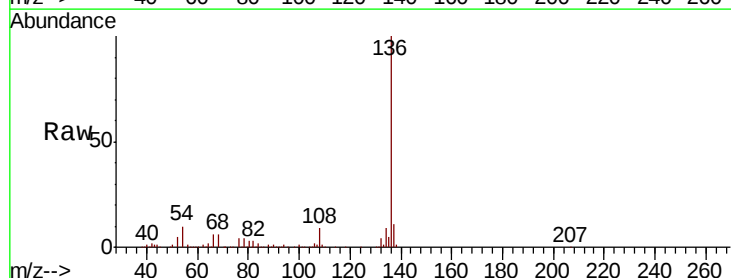
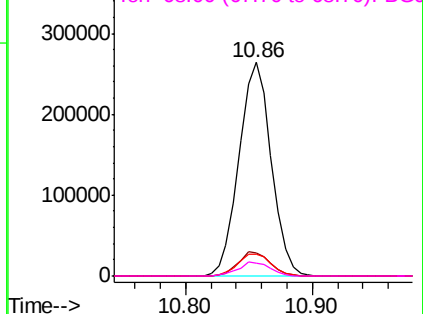
136 100

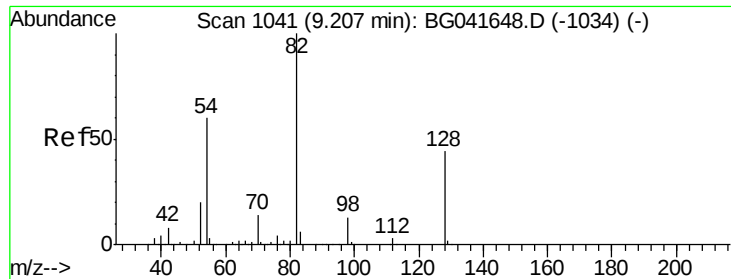
137 11.0 9.2 13.8

54 10.5 8.7 13.1

68 6.3 5.5 8.3

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





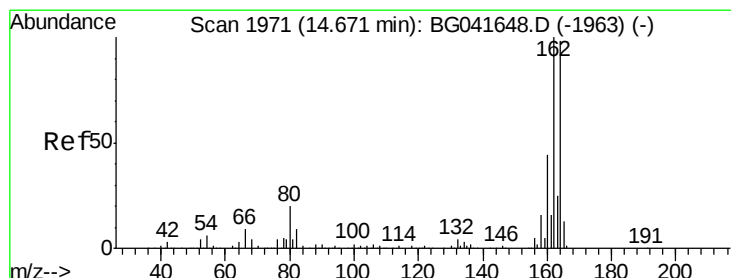
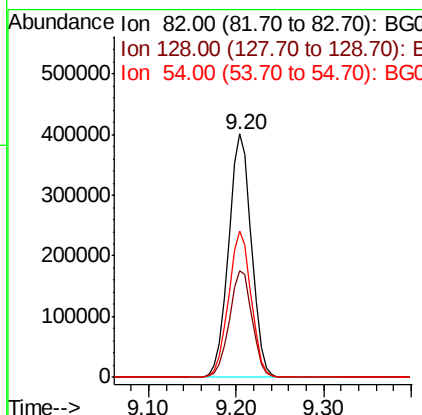
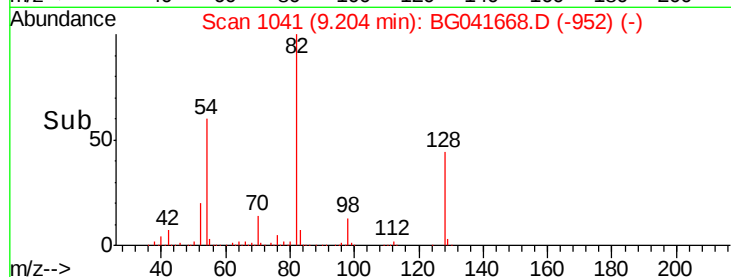
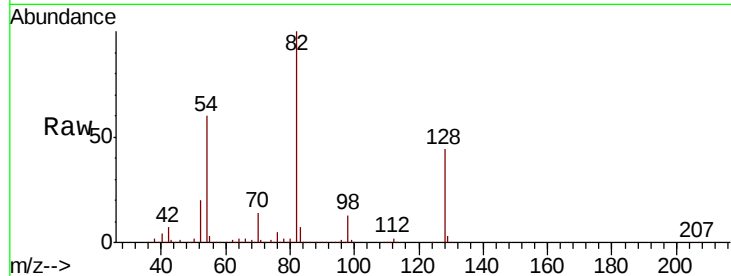
#23
Nitrobenzene-d5
Concen: 92.906 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Instrument :
BNA_G
ClientSampled :
RT-4651

Tot Ion	82	Resp	710390
Ion Ratio	100	Lower	Upper
82	100		
128	43.8	35.1	52.7
54	60.1	48.7	73.1

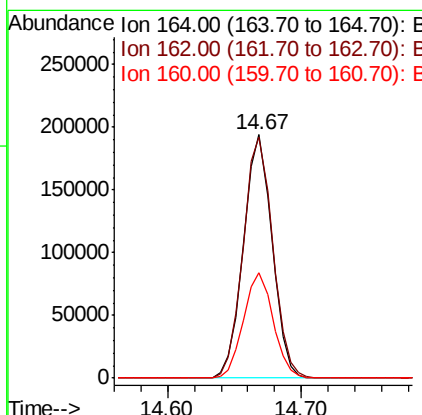
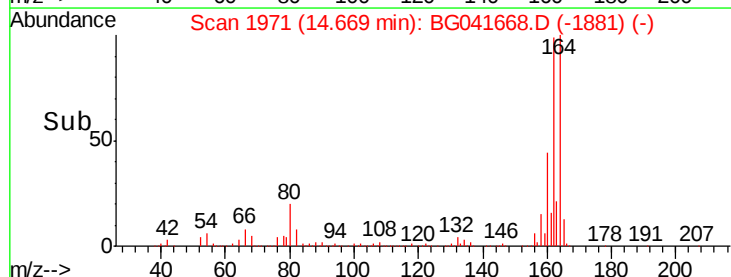
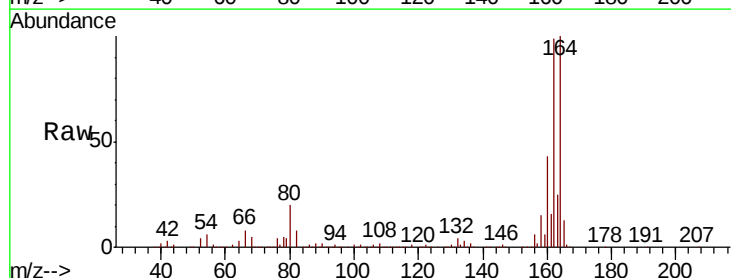
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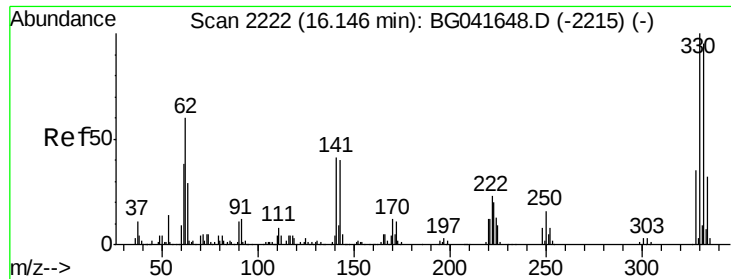
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1971
Delta R.T. -0.00 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Tgt Ion	164	Resp	286977
Ion Ratio	100	Lower	Upper
164	100		
162	98.9	79.6	119.4
160	43.4	35.4	53.0





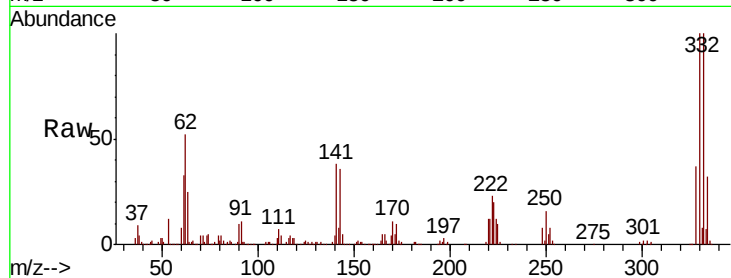
#42
 2,4,6-Tribromophenol
 Concen: 137.246 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. -0.00 min
 Lab File: BG041668.D
 Acq: 16 Jul 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :
 RT-4651

Tot Ion	Ratio	Resp	Lower	Upper
330	100	443878		
332	97.8		77.4	116.0
141	40.2		31.9	47.9

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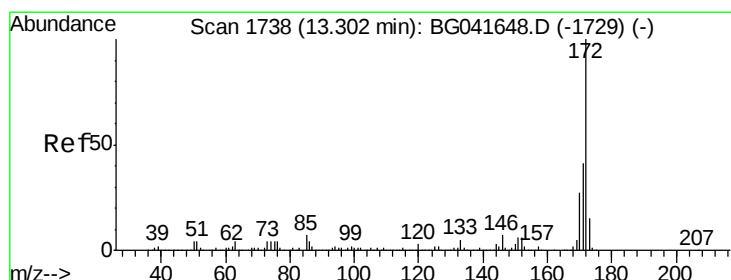
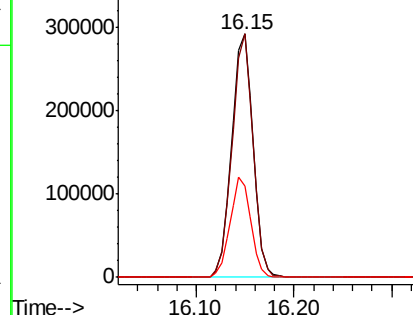
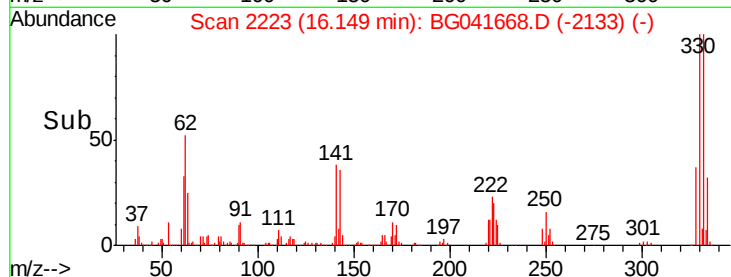


Abundance

Ion 329.80 (329.50 to 330.50): E

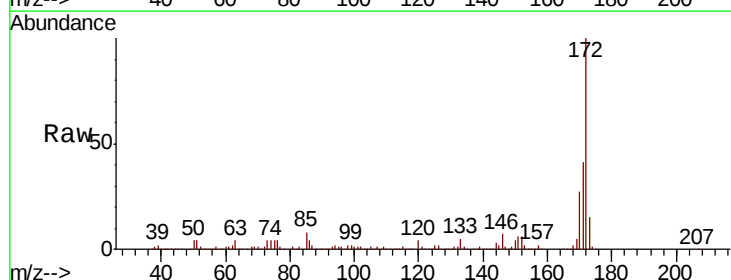
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 79.682 ng
 RT: 13.30 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BG041668.D
 Acq: 16 Jul 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1476712		
171	41.4		35.0	52.4
170	27.4		23.5	35.3

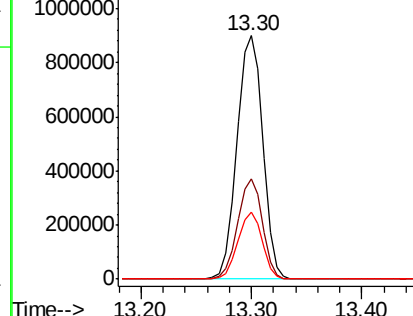
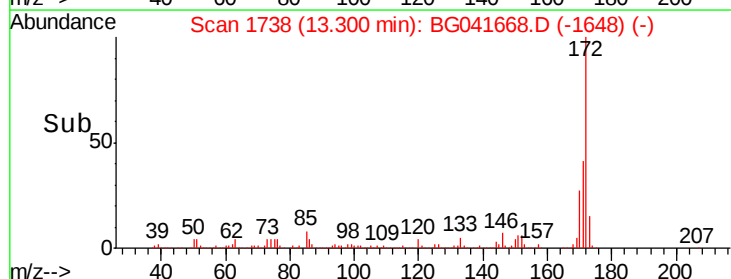


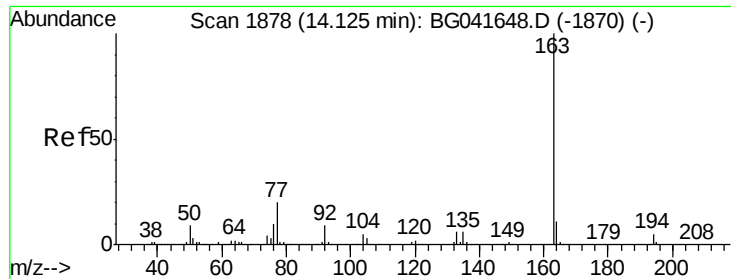
Abundance

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





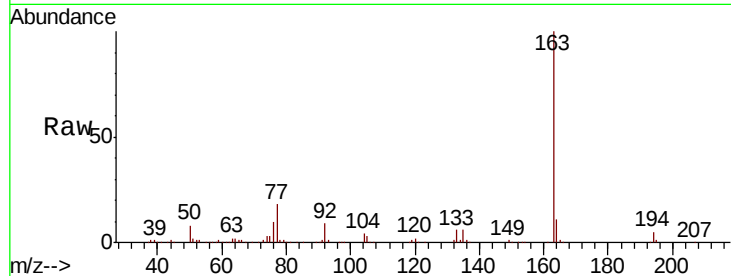
#50
Dimethylphthalate
Concen: 11.647 ng
RT: 14.12 min Scan# 1877
Delta R.T. -0.01 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Instrument :
BNA_G
ClientSampled :
RT-4651

Tot Ion	Ratio	Resp	Lower	Upper
163	100	262504		
194	5.3		4.2	6.2
164	11.1		9.4	14.2

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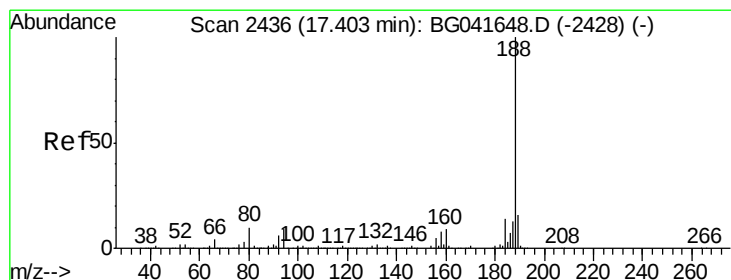
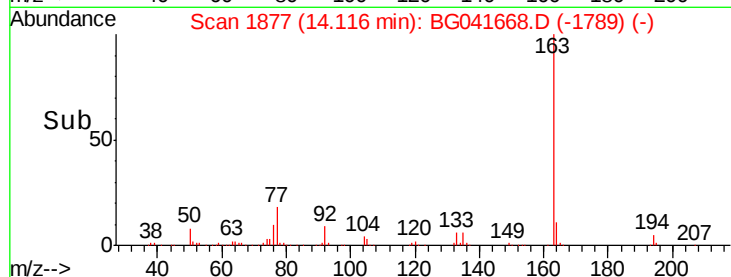
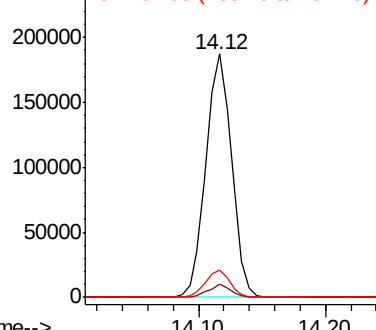


Abundance

Ion 163.00 (162.70 to 163.70): E

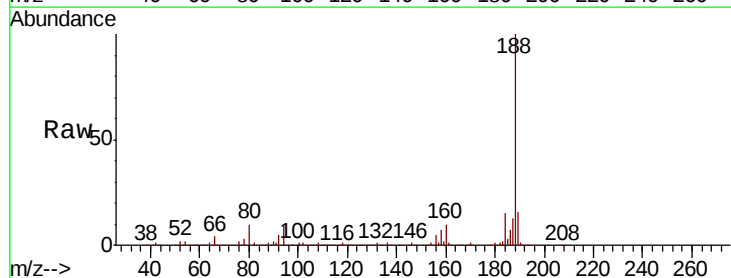
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	683980		
94	8.5		6.9	10.3
80	10.1		8.0	12.0

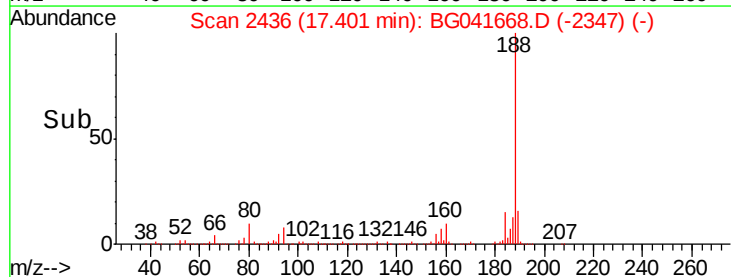
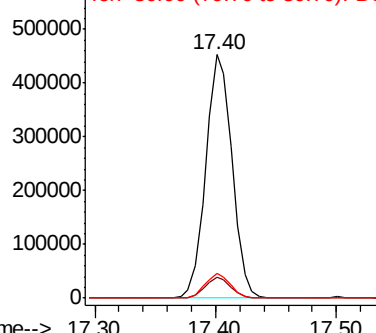


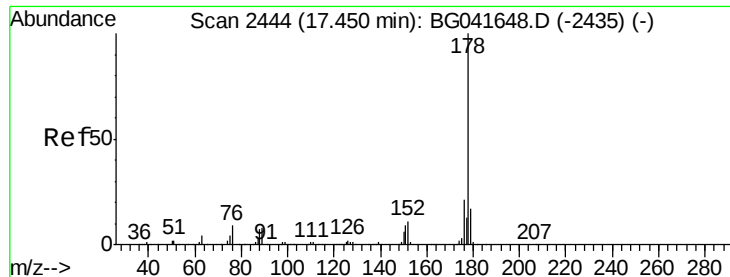
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#71

Phenanthrene

Concen: 5.906 ng

RT: 17.45 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

Instrument :

BNA_G

ClientSampleId :

RT-4651

Tot Ion:178 Resp: 203450

Ion Ratio Lower Upper

178 100

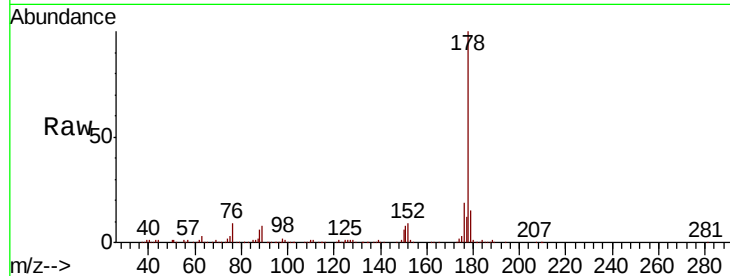
176 18.6 18.6 28.0#

179 15.1 15.4 23.0#

Manual Integrations
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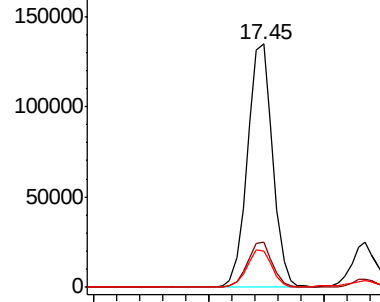
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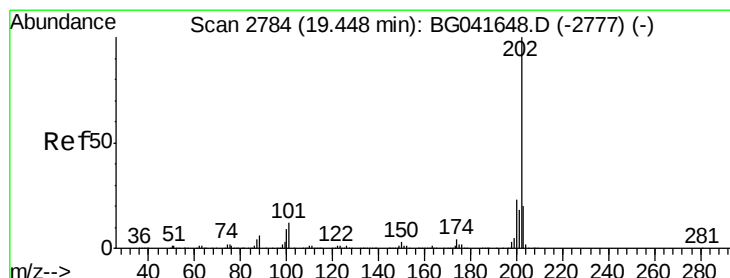
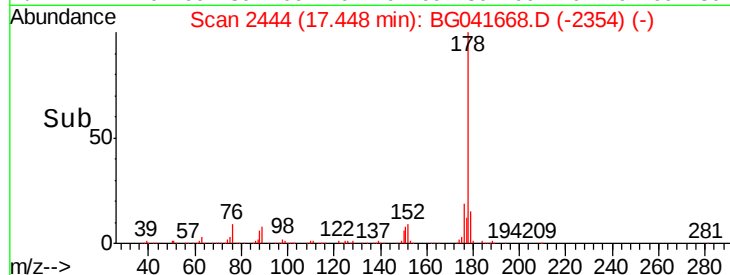
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 17.30 17.40 17.50



#75

Fluoranthene

Concen: 11.343 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

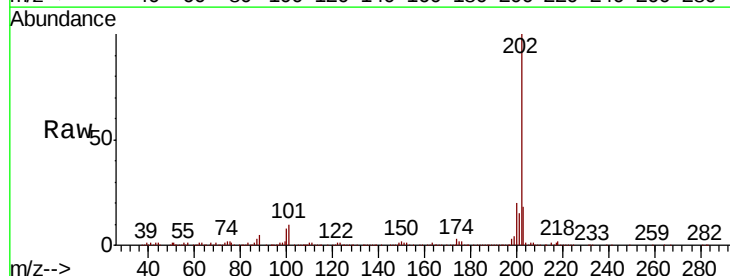
Tgt Ion:202 Resp: 479761

Ion Ratio Lower Upper

202 100

101 10.3 0.0 32.8

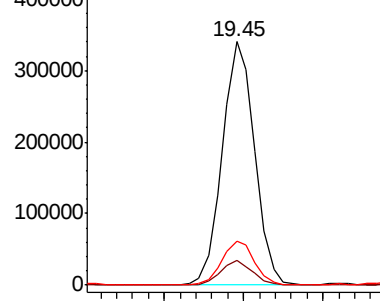
203 18.2 3.7 43.7



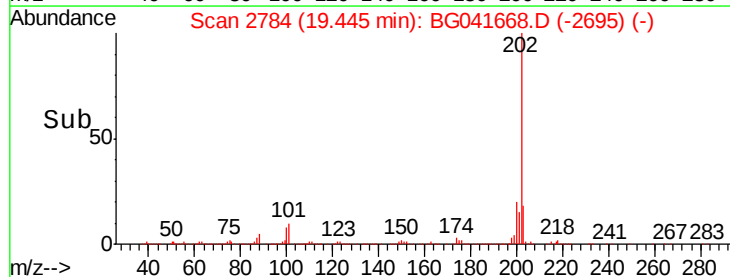
Abundance Ion 202.00 (201.70 to 202.70): E

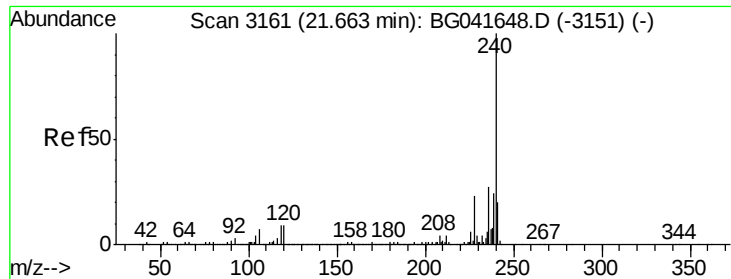
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.45 19.50





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

Instrument :

BNA_G

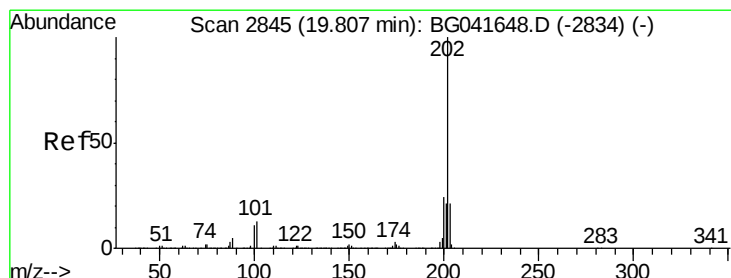
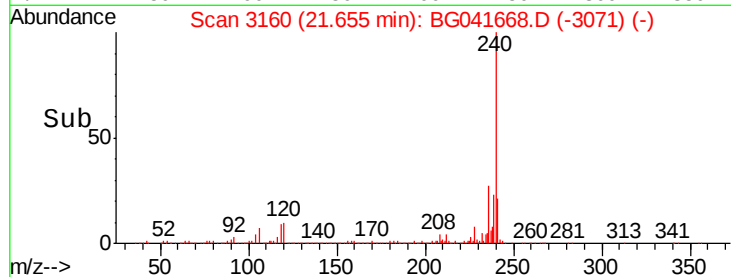
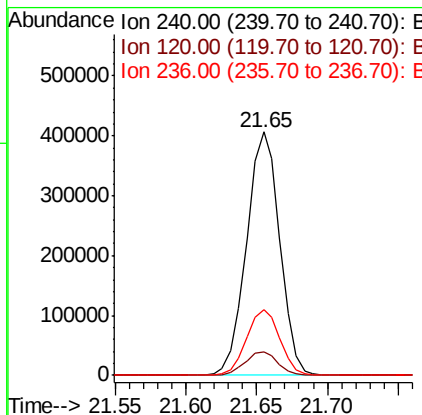
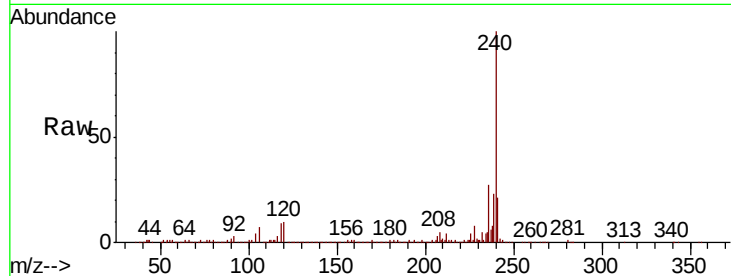
ClientSampled :

RT-4651

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.0	12.0
236	27.1	22.6	33.8

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#78

Pyrene

Concen: 10.200 ng

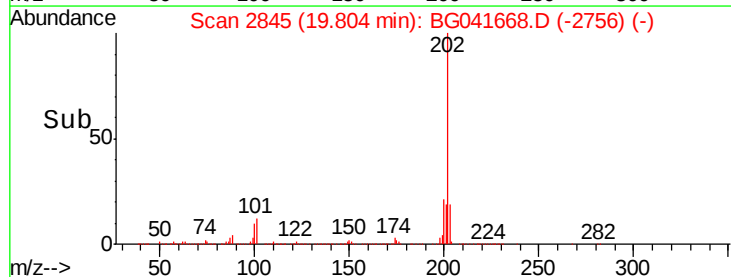
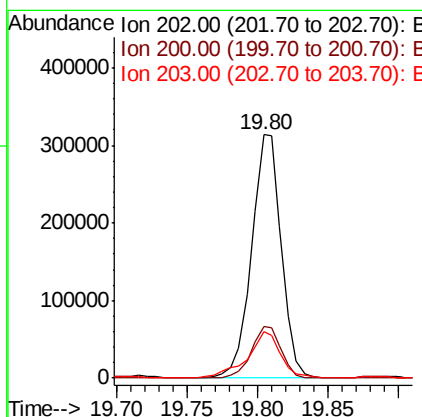
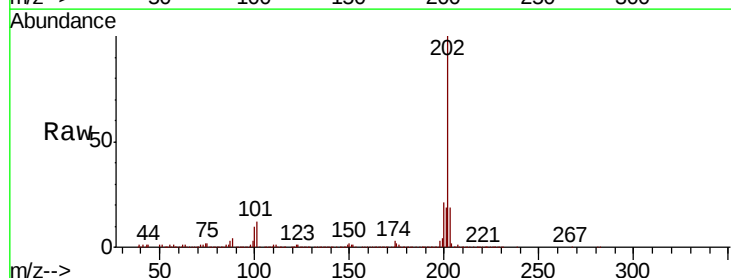
RT: 19.80 min Scan# 2845

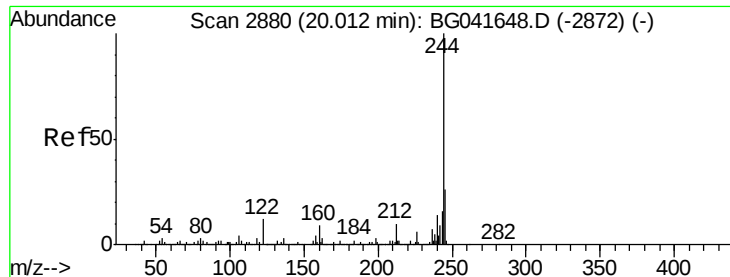
Delta R.T. -0.01 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	22.2	33.2#
203	19.2	18.9	28.3





#79

Terphenyl-d14

Concen: 73.370 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.00 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

Instrument :

BNA_G

ClientSampleId :

RT-4651

Tot Ion:244 Resp: 2101182

Ion Ratio Lower Upper

244 100

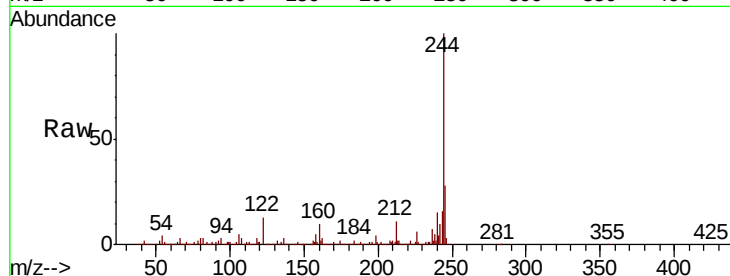
212 10.5 9.7 14.5

122 13.3 12.5 18.7

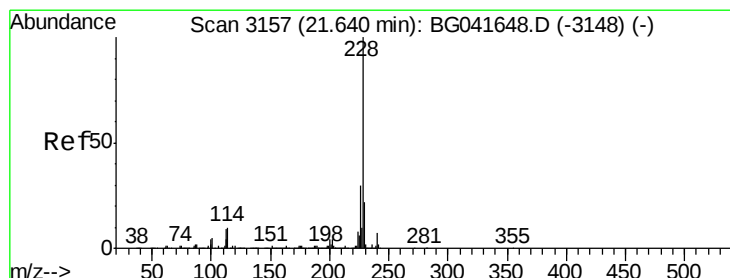
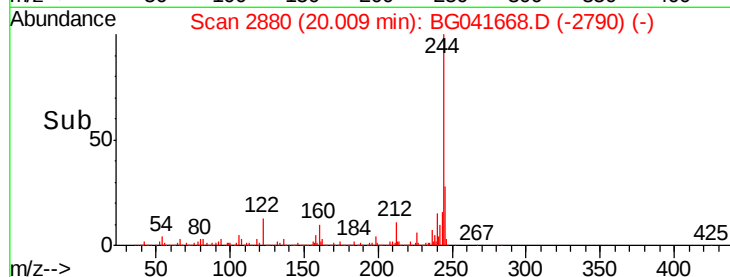
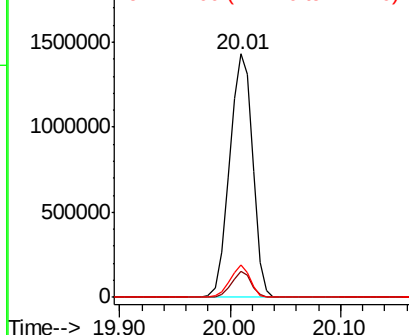
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.423 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

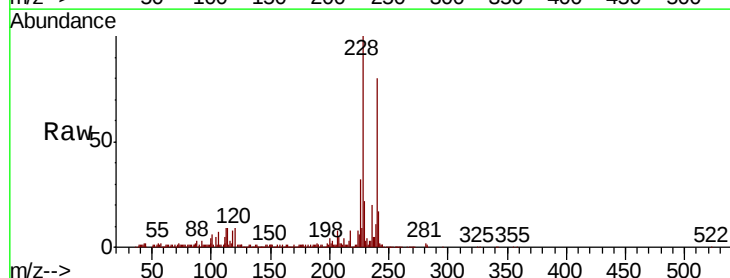
Tgt Ion:228 Resp: 234470

Ion Ratio Lower Upper

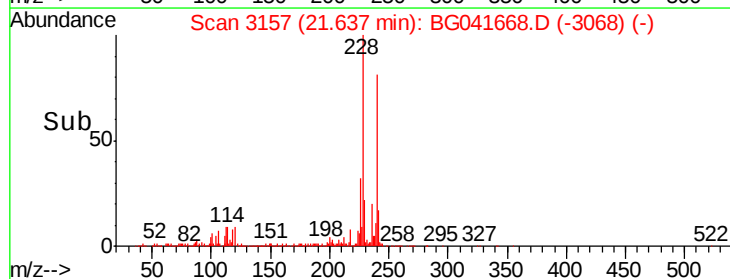
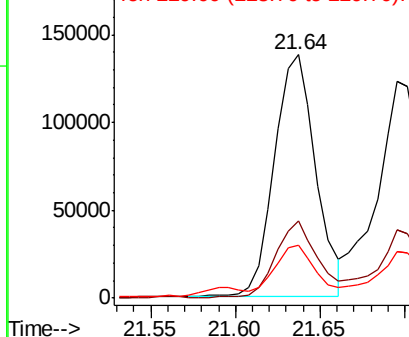
228 100

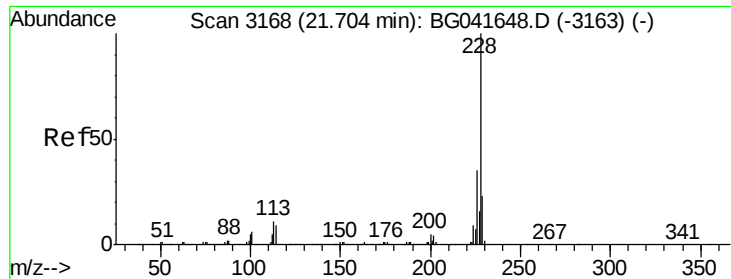
226 31.9 27.3 40.9

229 21.9 19.7 29.5



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





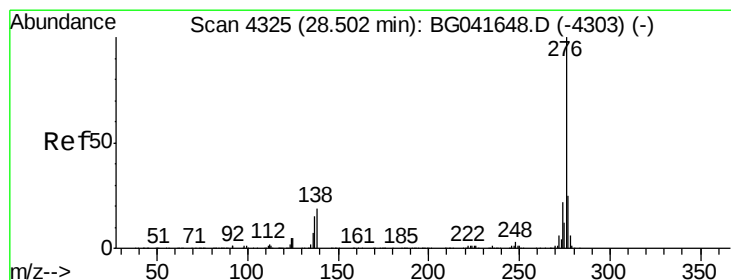
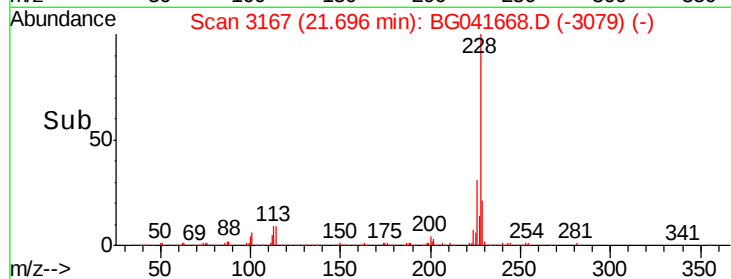
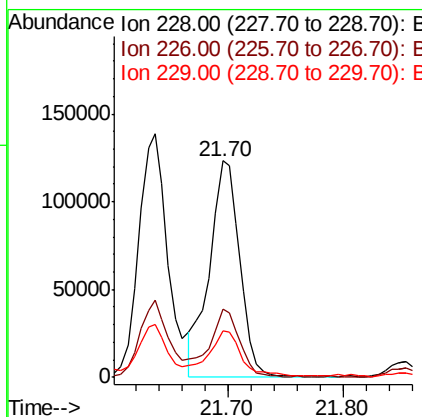
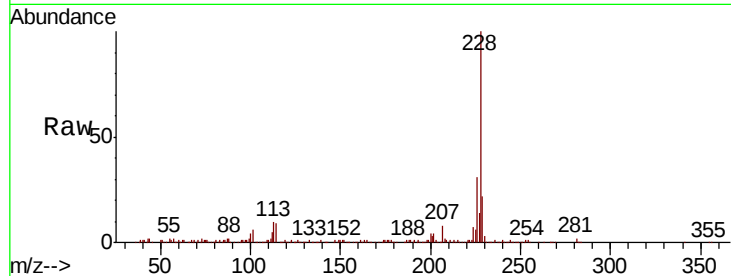
#83
Chrysene
Concen: 5.407 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.01 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Instrument :
BNA_G
ClientSampleId :
RT-4651

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	30.1	45.1
229	21.7	19.8	29.6

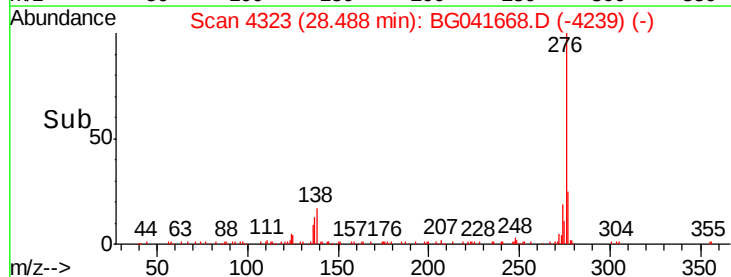
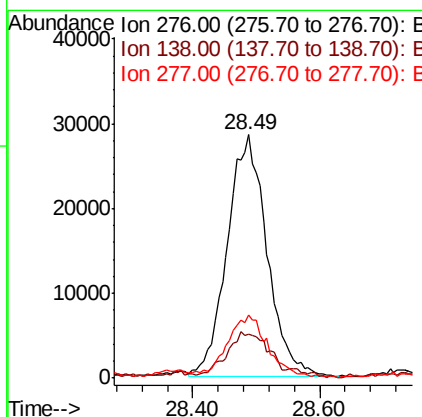
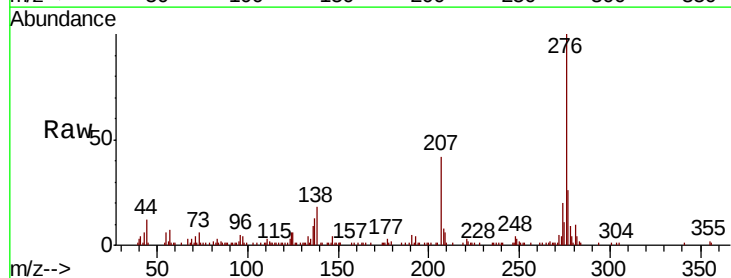
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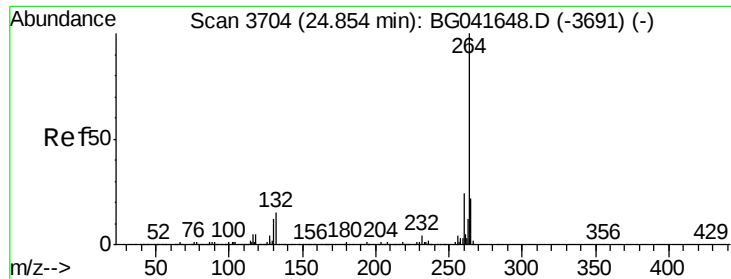
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.272 ng
RT: 28.49 min Scan# 4323
Delta R.T. -0.04 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.7	19.4	29.0#
277	24.5	21.2	31.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.01 min

Lab File: BG041668.D

Acq: 16 Jul 2019 15:04

Instrument :

BNA_G

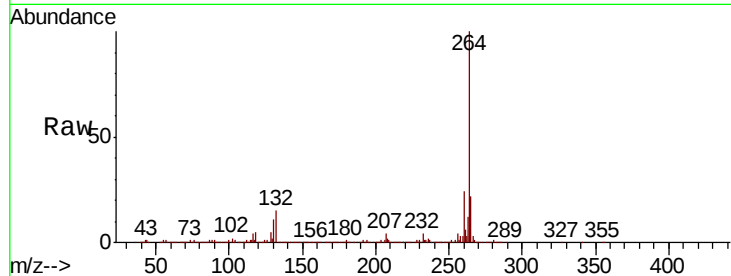
ClientSampled :

RT-4651

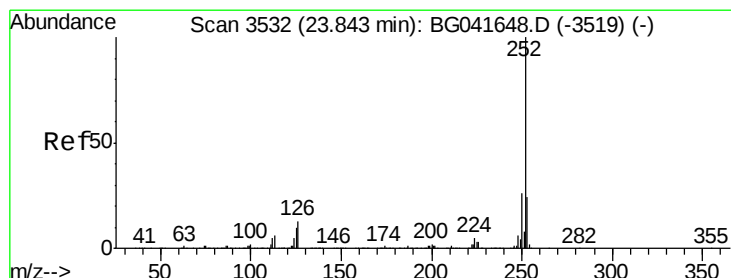
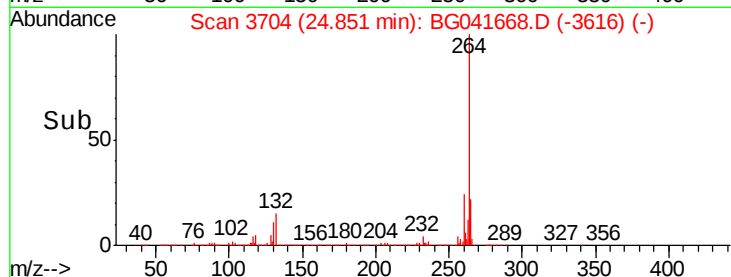
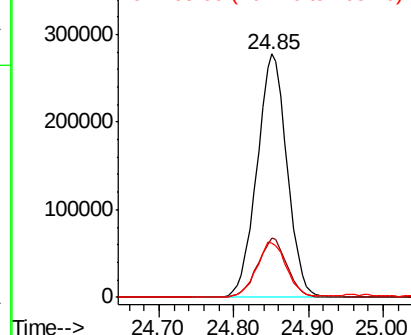
Tot Ion:	264	Resp:	774661
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.5	18.0	27.0

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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: 5.789 ng

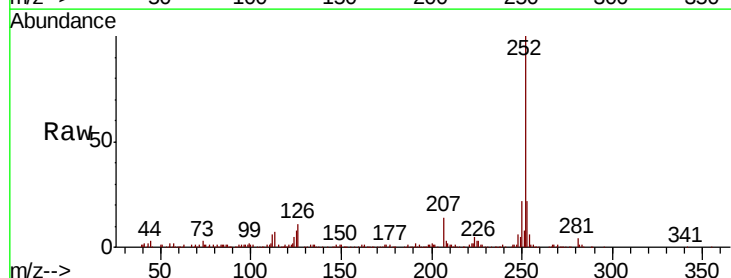
RT: 23.84 min Scan# 3532

Delta R.T. -0.01 min

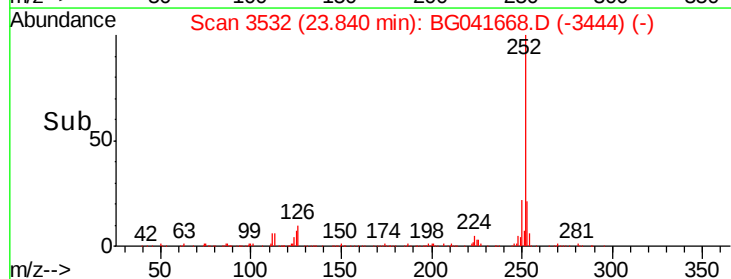
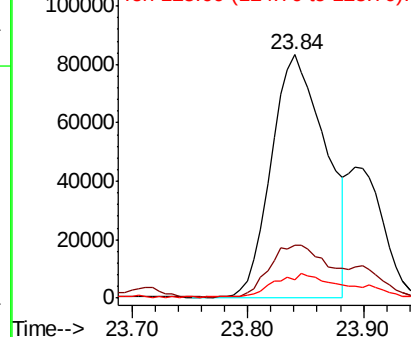
Lab File: BG041668.D

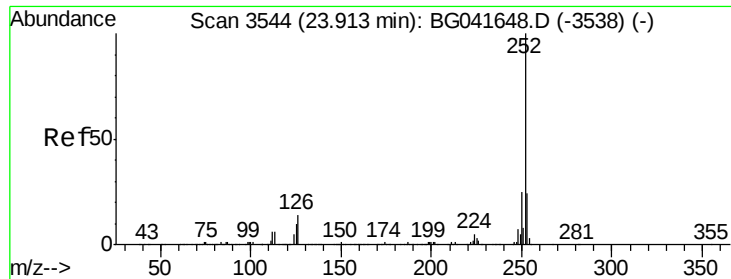
Acq: 16 Jul 2019 15:04

Tgt Ion:	252	Resp:	272006
Ion Ratio	Lower	Upper	
252	100		
253	21.6	20.6	30.8
125	7.7	8.0	12.0#



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





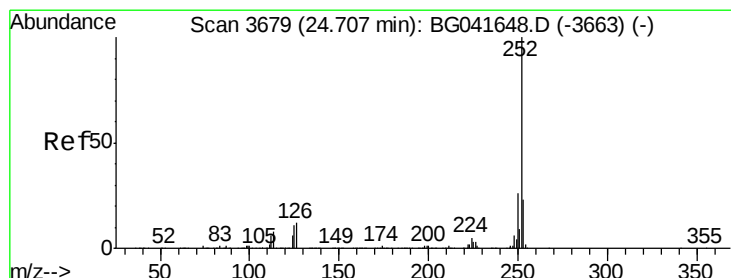
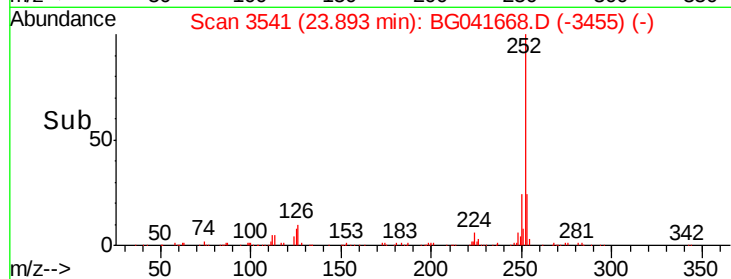
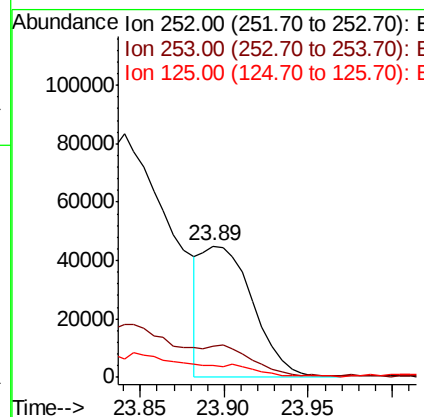
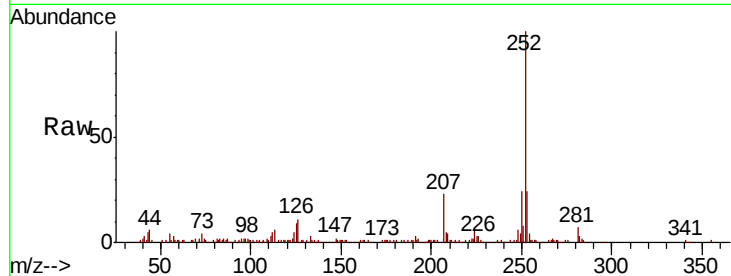
#89
Benzo(k)fluoranthene
Concen: 2.232 ng m
RT: 23.89 min Scan# 3541
Delta R.T. -0.02 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Instrument :
BNA_G
ClientSampled :
RT-4651

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.5	30.7
125	9.4	8.4	12.6

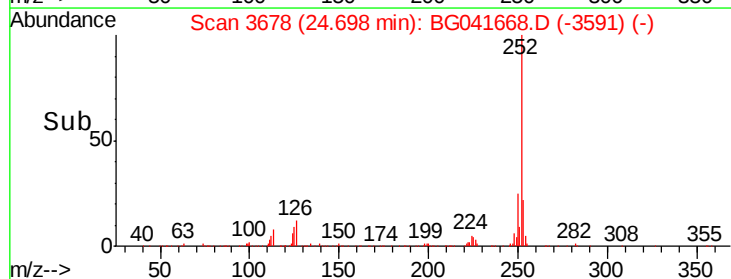
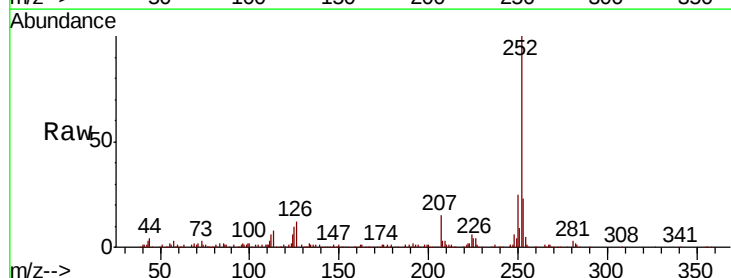
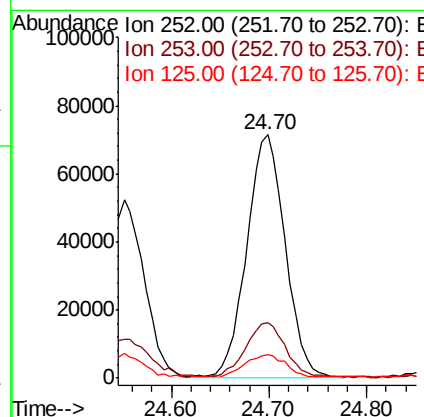
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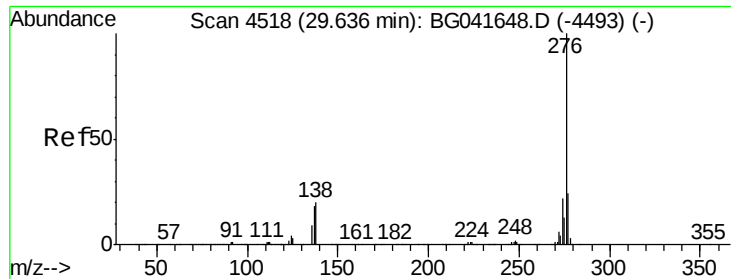
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#90
Benzo(a)pyrene
Concen: 4.404 ng
RT: 24.70 min Scan# 3678
Delta R.T. -0.02 min
Lab File: BG041668.D
Acq: 16 Jul 2019 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.8	29.8
125	9.5	8.8	13.2





#92
 Benzo(a,h,i)perylene
 Concen: 2.736 ng
 RT: 29.61 min Scan# 4514
 Delta R.T. -0.05 min
 Lab File: BG041668.D
 Acq: 16 Jul 2019 15:04

Instrument :
 BNA_G
 ClientSampleId :
 RT-4651

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.8
138	17.6	16.6	25.0

Manual Integrations
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