

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
 Data File : BG040835.D
 Acq On : 10 May 2019 3:21
 Operator : HP/JU
 Sample : K2764-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS001-1218-01

Manual Integrations
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 5/13/2019 8:39:05 PM

Quant Time: May 10 16:51:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	53186	20.00	ng	-0.02
21) Naphthalene-d8	10.96	136	229213	20.00	ng	-0.02
39) Acenaphthene-d10	14.77	164	177064	20.00	ng	-0.02
64) Phenanthrene-d10	17.51	188	461293	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	441607	20.00	ng	-0.03
87) Perylene-d12	25.15	264	471270	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	435334	144.28	ng	-0.01
7) Phenol-d6	7.28	99	661013	142.29	ng	-0.02
23) Nitrobenzene-d5	9.32	82	460925	92.92	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	346304	142.29	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	953240	77.75	ng	-0.02
79) Terphenyl-d14	20.11	244	1653633	82.96	ng	-0.02
Target Compounds						
50) Dimethylphthalate	14.21	163	93586	6.317	ng	98
71) Phenanthrene	17.55	178	80941	3.258	ng	# 95
75) Fluoranthene	19.56	202	197724	6.386	ng	96
78) Pyrene	19.92	202	376964	13.620	ng	98
81) Benzo(a)anthracene	21.77	228	123947	4.441	ng	99
83) Chrysene	21.84	228	160239	6.037	ng	96
86) Indeno(1,2,3-cd)pyrene	28.98	276	67786	2.112	ng	# 80
88) Benzo(b)fluoranthene	24.08	252	148535	5.158	ng	# 97
90) Benzo(a)pyrene	24.98	252	89356m	3.278	ng	
92) Benzo(g,h,i)perylene	30.20	276	79266	2.887	ng	97

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

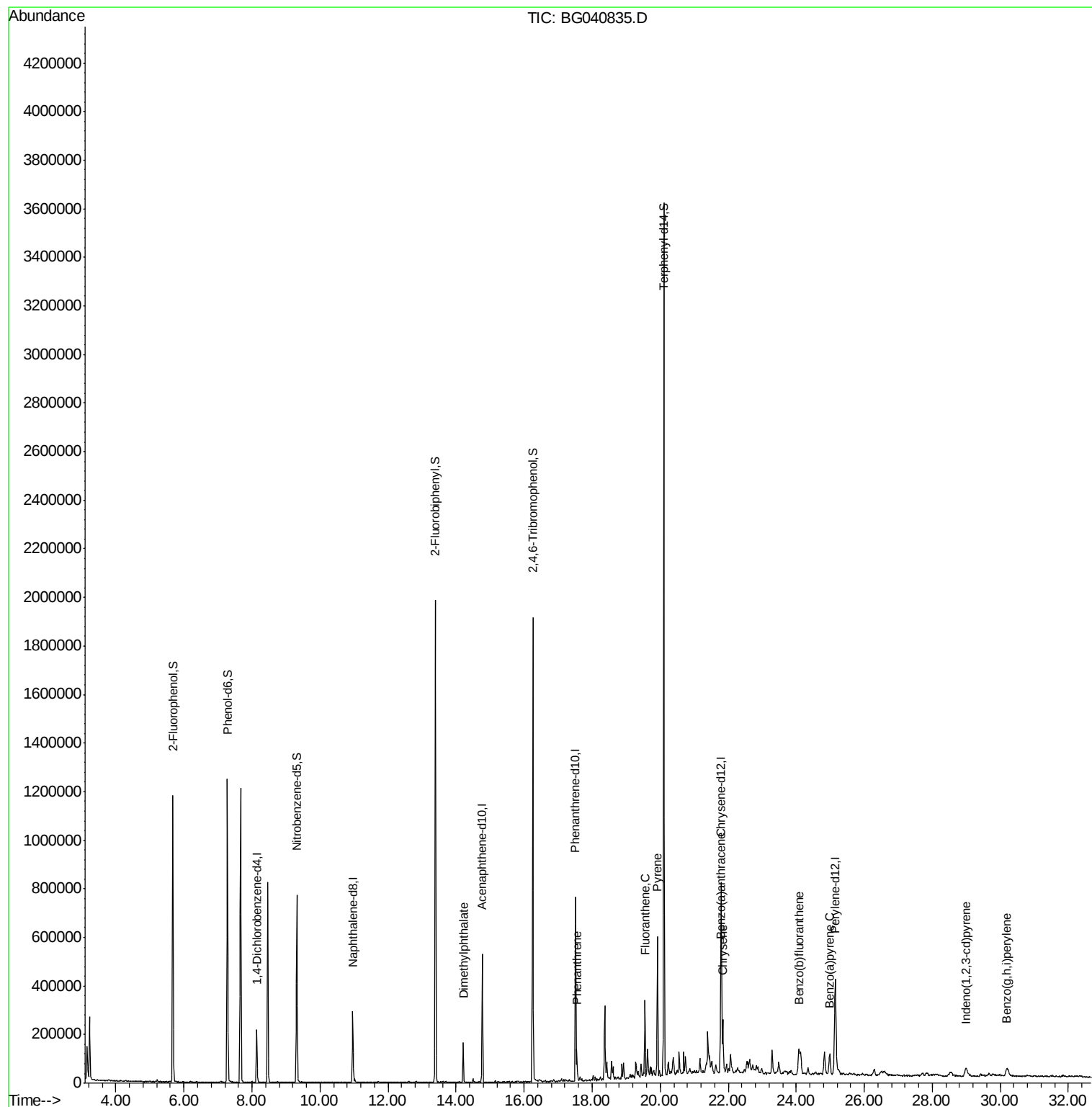
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050919\
Data File : BG040835.D
Acq On : 10 May 2019 3:21
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ALS Vial : 16 Sample Multiplier: 1

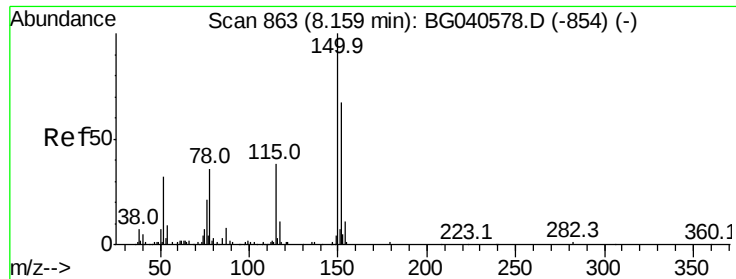
Instrument :
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P026-SS001-1218-01

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
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#1

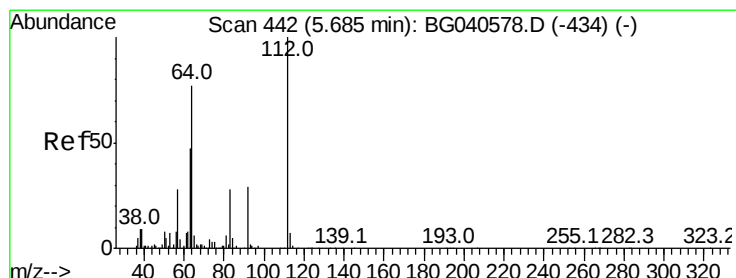
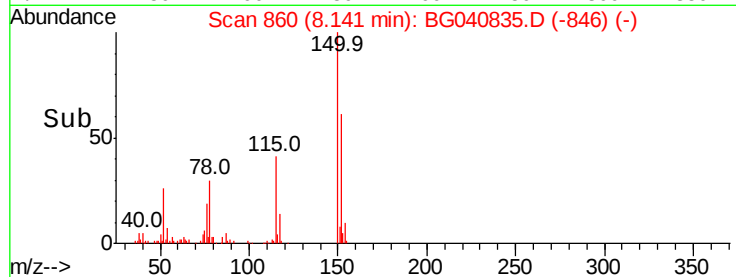
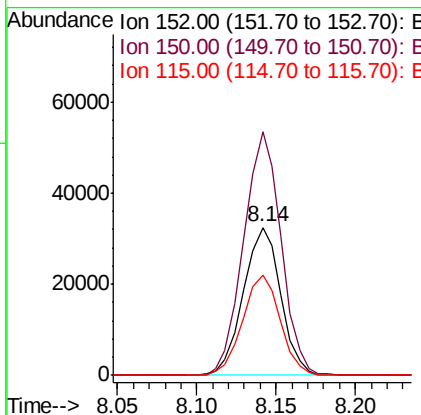
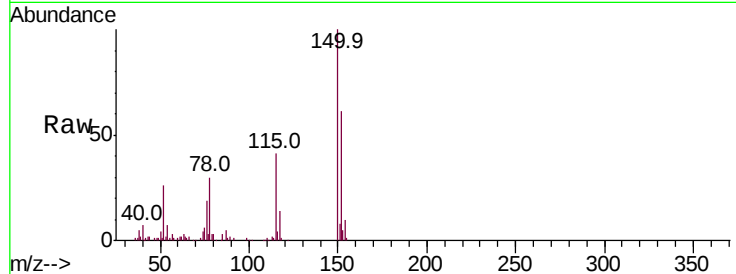
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	120.2	180.2
115	67.7	46.2	69.2

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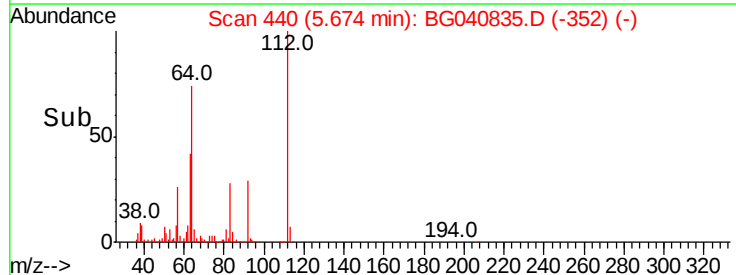
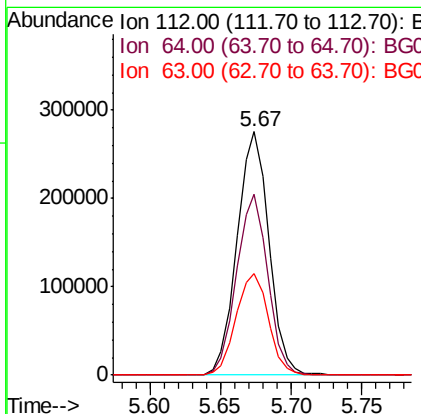
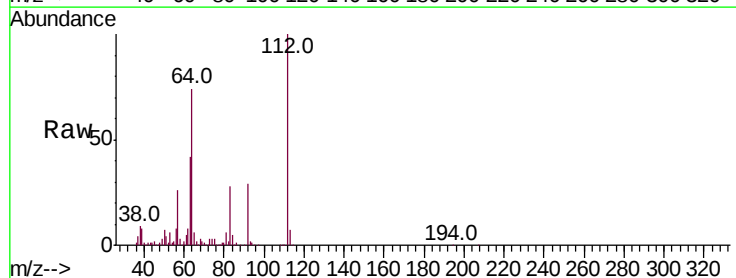
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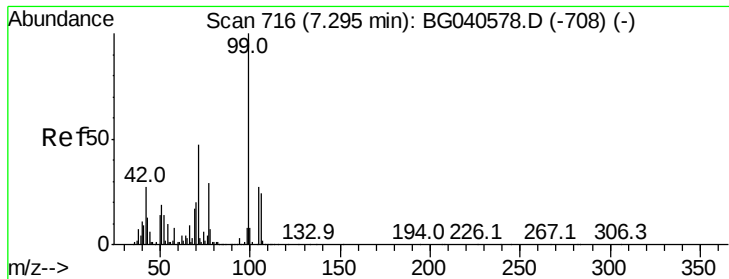


#5

2-Fluorophenol
Concen: 144.284 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.1	61.4	92.0
63	41.9	37.8	56.6





#7

Phenol-d6

Concen: 142.287 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

Instrument :

BNA_G

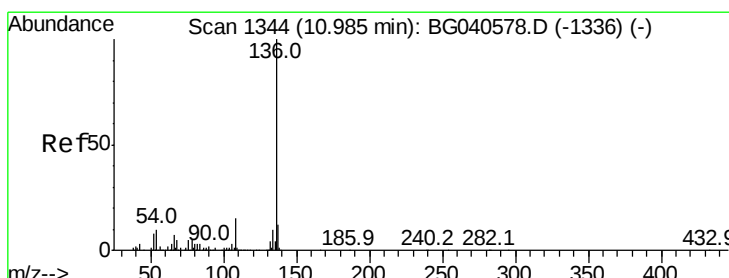
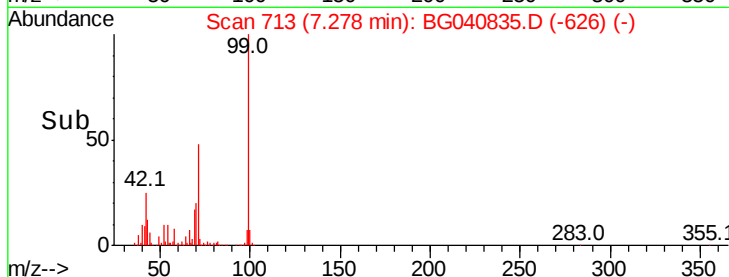
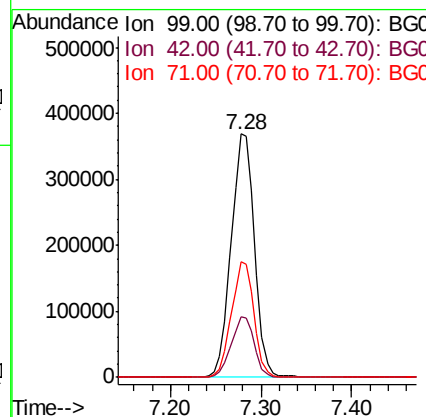
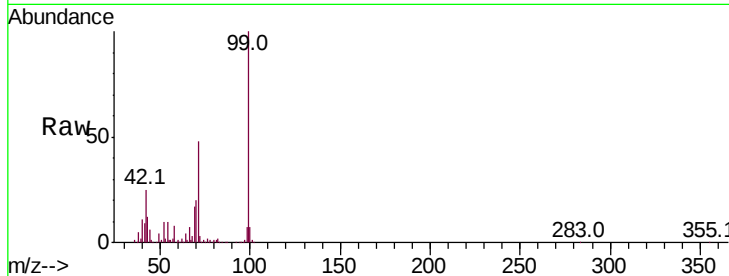
ClientSampleId :

P026-SS001-1218-01

Tot Ion:	99	Resp:	661013
Ion Ratio	Lower	Upper	
99	100		
42	24.7	21.8	32.8
71	47.7	38.6	57.8

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#21

Naphthalene-d8

Concen: 20.000 ng

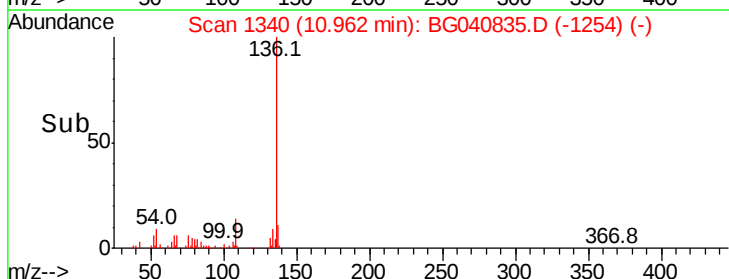
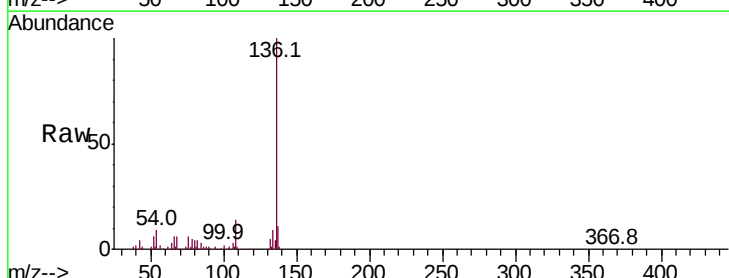
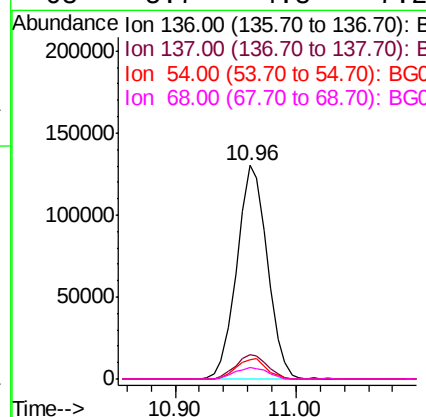
RT: 10.96 min Scan# 1340

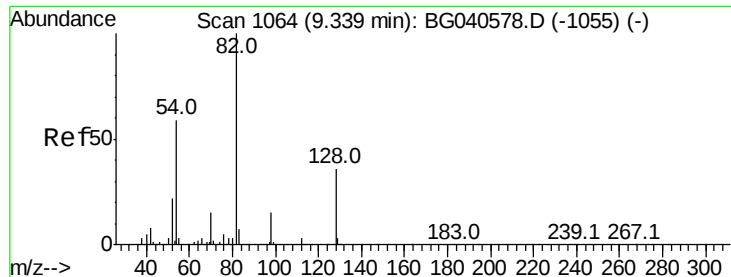
Delta R.T. -0.02 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

Tgt Ion:	136	Resp:	229213
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.7	14.5
54	9.3	8.6	12.8
68	5.7	4.8	7.2





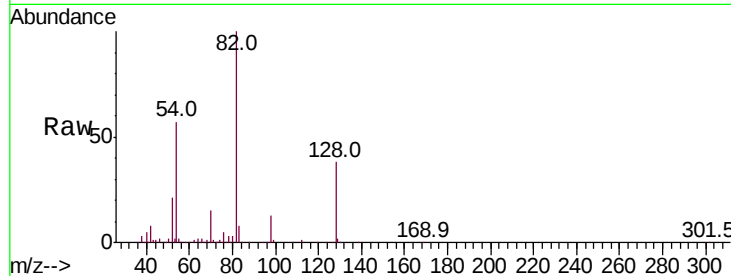
#23
Nitrobenzene-d5
Concen: 92.916 ng
RT: 9.32 min Scan# 1060
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

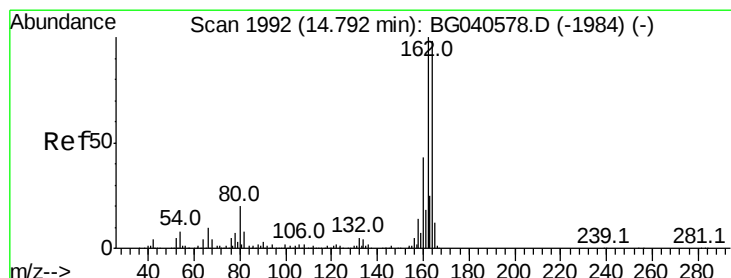
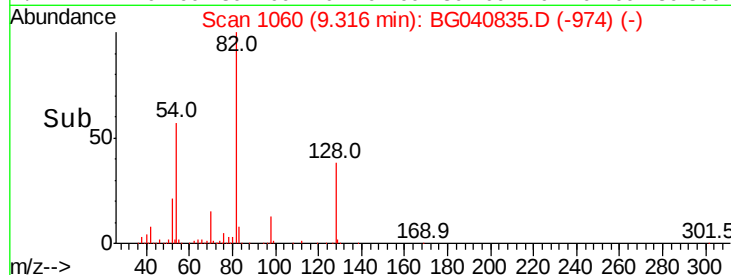
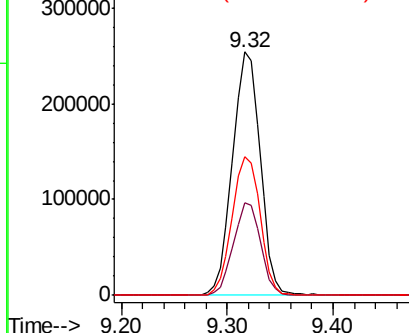
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	37.8	28.9	43.3	
54	56.8	47.2	70.8	

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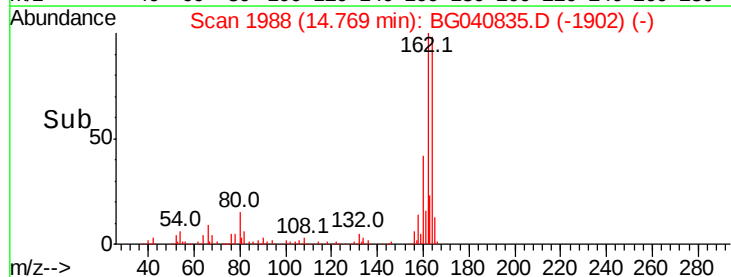
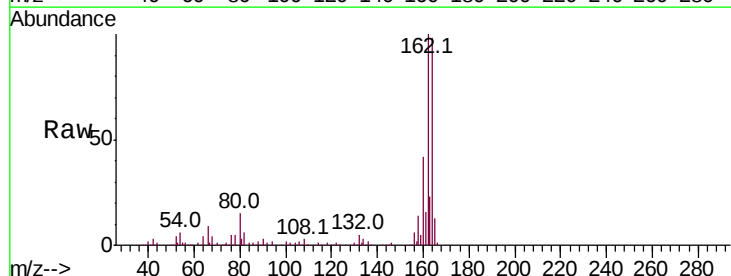
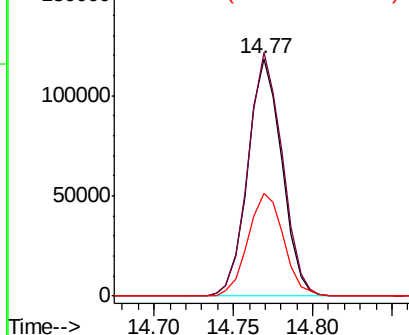
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Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

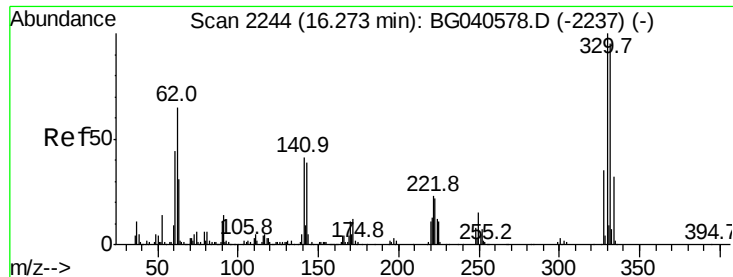


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	81.9	122.9	
160	43.3	35.4	53.2	

Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





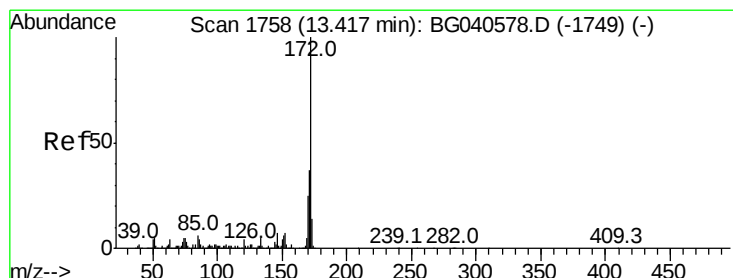
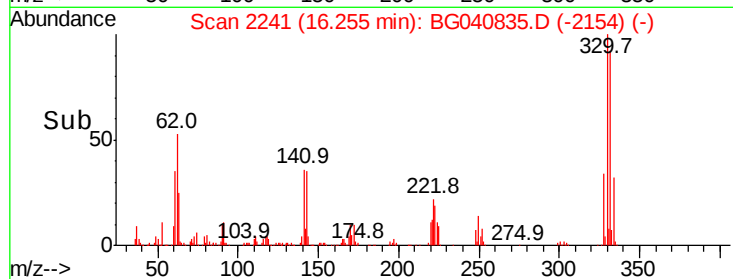
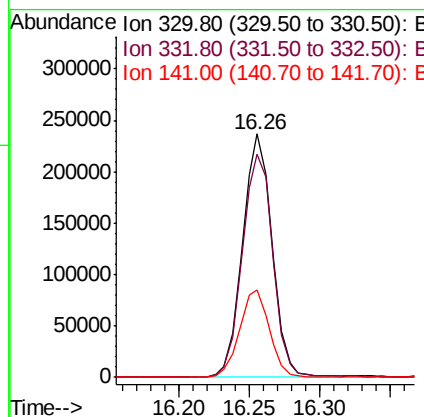
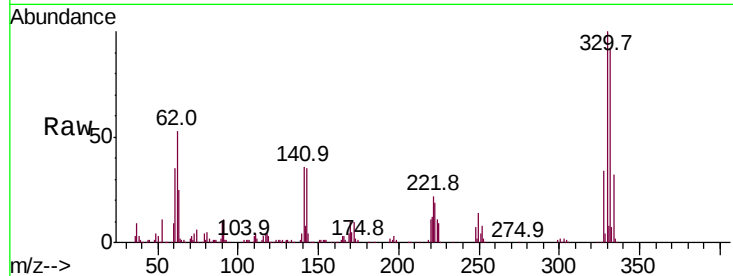
#42
 2,4,6-Tribromophenol
 Concen: 142.290 ng
 RT: 16.26 min Scan# 2241
 Delta R.T. -0.02 min
 Lab File: BG040835.D
 Acq: 10 May 2019 3:21

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	75.9	113.9
141	36.3	32.4	48.6

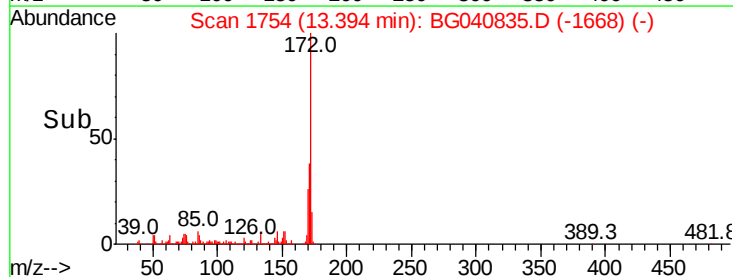
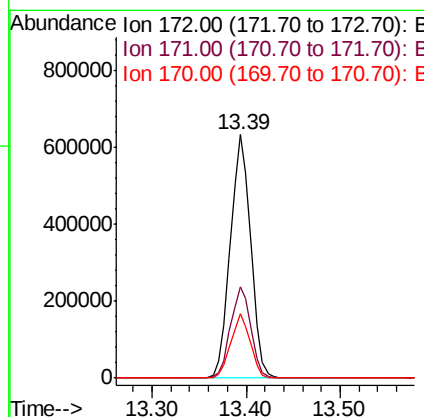
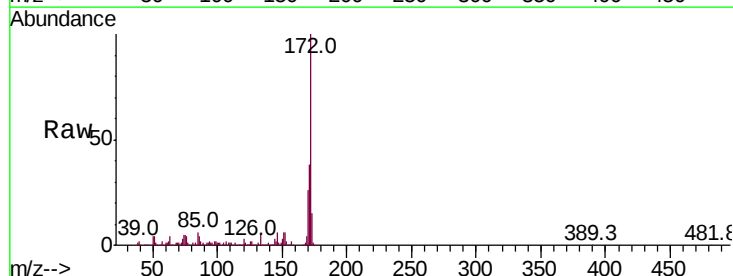
Manual Integrations
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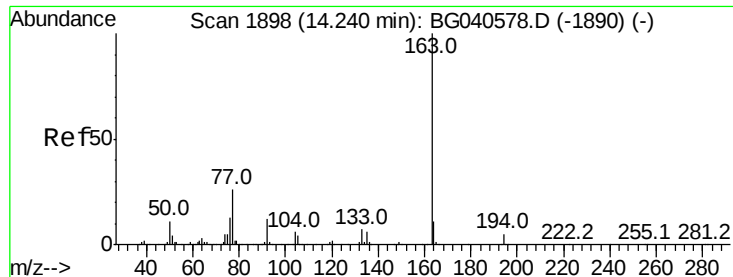
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#45
 2-Fluorobiphenyl
 Concen: 77.750 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BG040835.D
 Acq: 10 May 2019 3:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.4	44.2
170	26.4	19.9	29.9





#50

Dimethylphthalate

Concen: 6.317 ng

RT: 14.21 min Scan# 1893

Delta R.T. -0.03 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

Instrument :

BNA_G

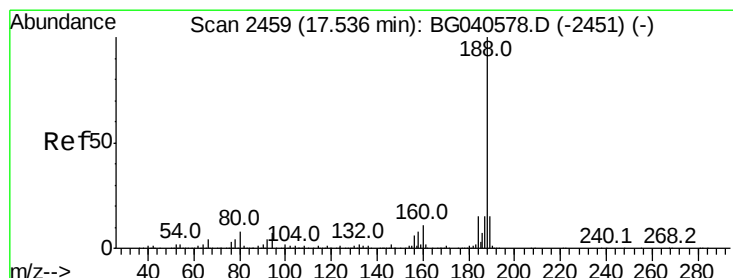
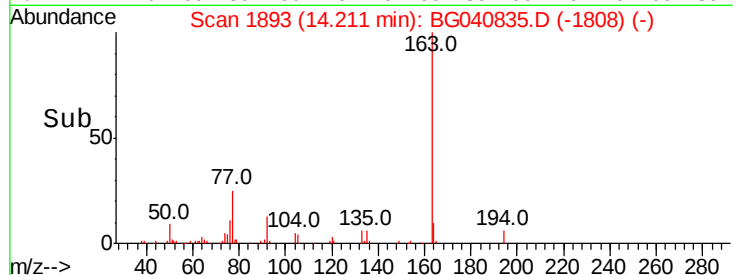
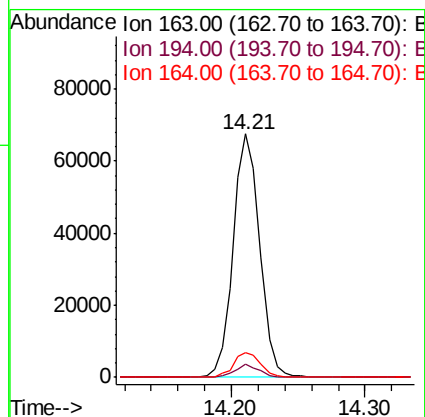
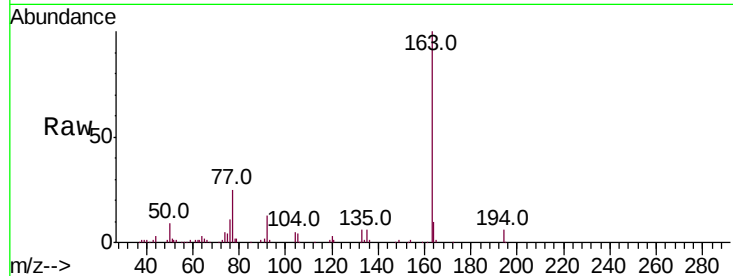
ClientSampleId :

P026-SS001-1218-01

Tot Ion:	163	Resp:	93586
Ion Ratio		Lower	Upper
163	100		
194	5.5	3.8	5.8
164	10.3	8.8	13.2

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#64

Phenanthrene-d10

Concen: 20.000 ng

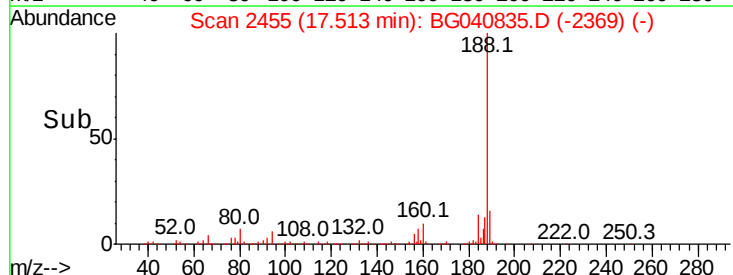
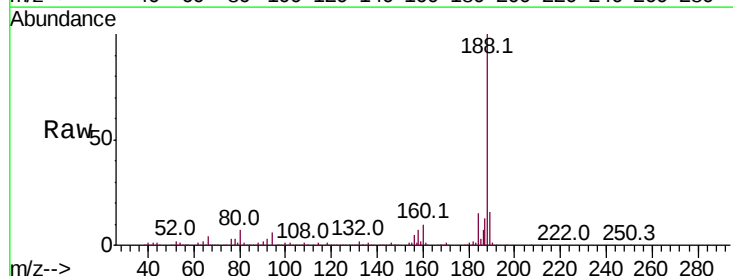
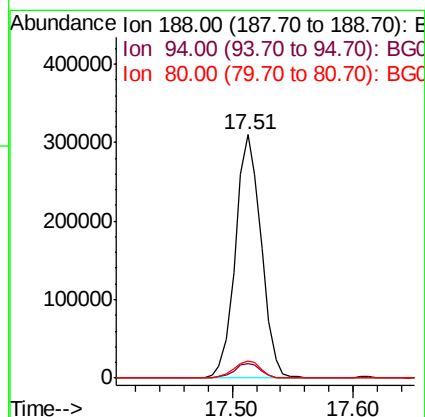
RT: 17.51 min Scan# 2455

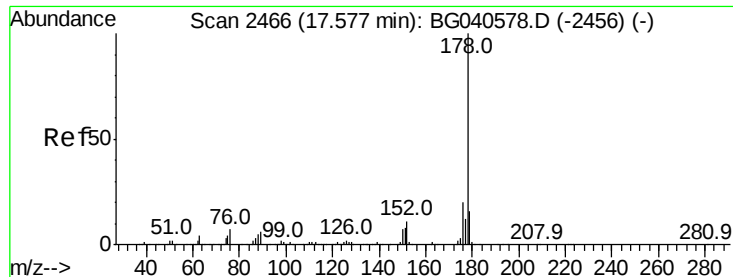
Delta R.T. -0.02 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

Tgt Ion:	188	Resp:	461293
Ion Ratio		Lower	Upper
188	100		
94	6.0	5.6	8.4
80	7.2	6.4	9.6





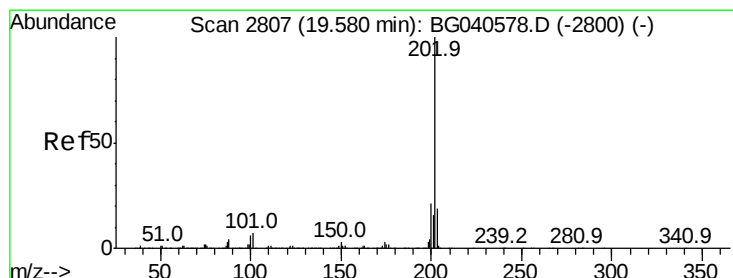
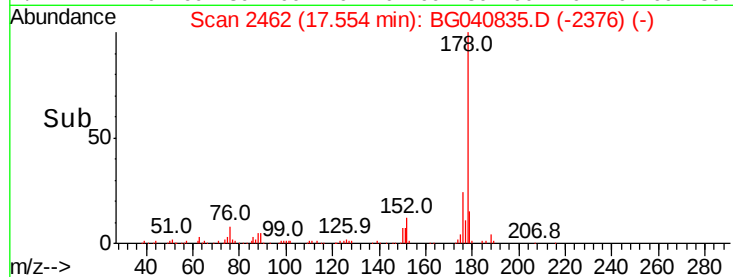
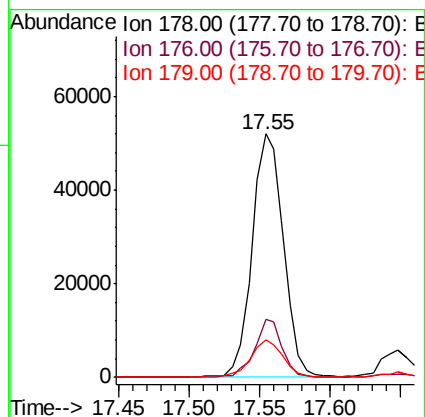
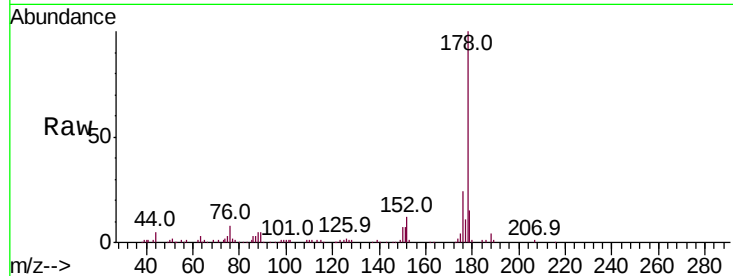
#71
Phenanthrene
Concen: 3.258 ng
RT: 17.55 min Scan# 2462
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	23.8	15.8	23.6#
179	15.4	12.6	18.8

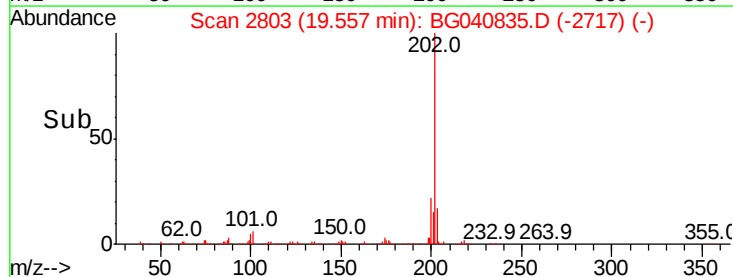
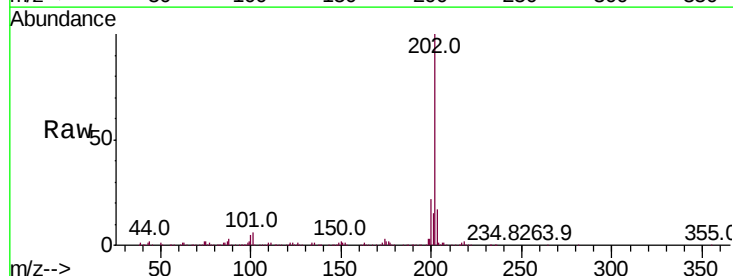
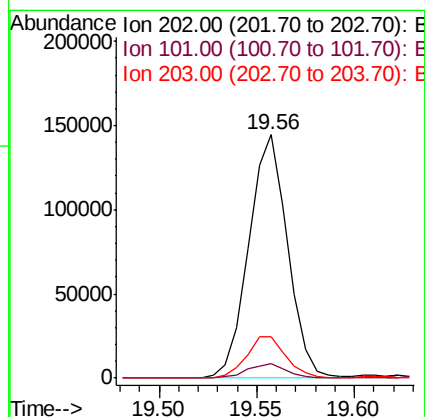
Manual Integrations
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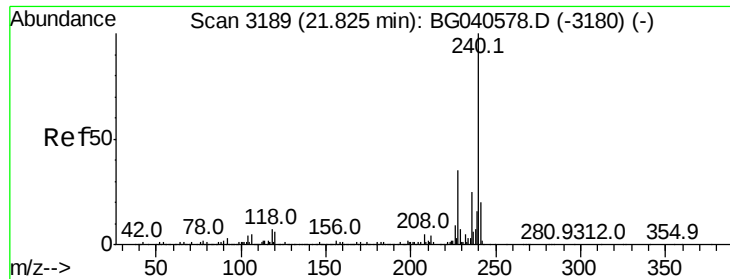
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#75
Fluoranthene
Concen: 6.386 ng
RT: 19.56 min Scan# 2803
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	27.5
203	17.3	0.0	39.3





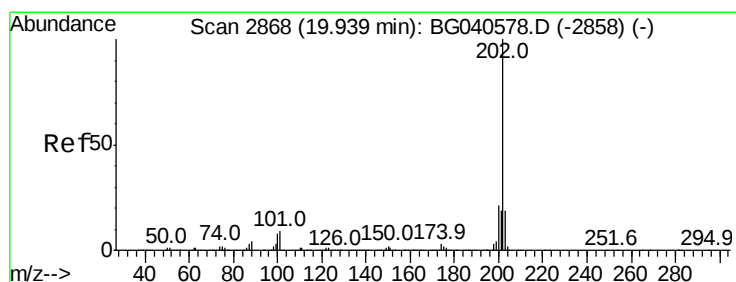
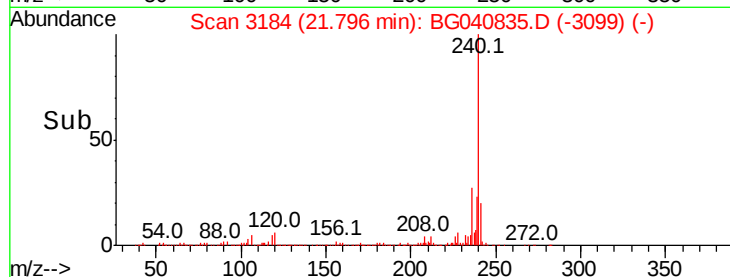
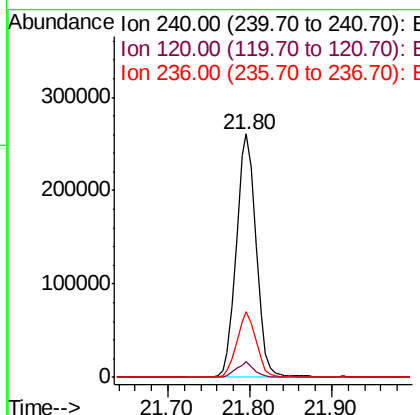
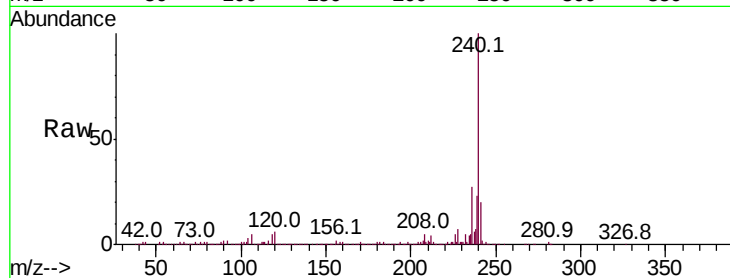
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.3	5.0	7.6
236	27.0	20.3	30.5

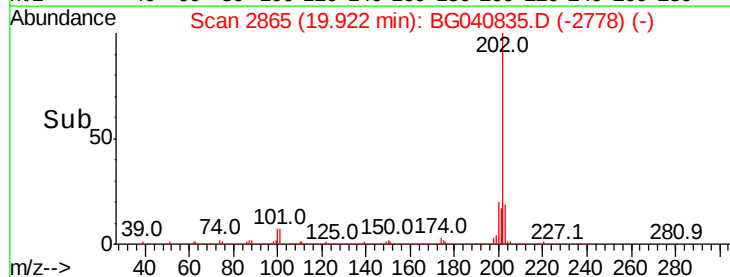
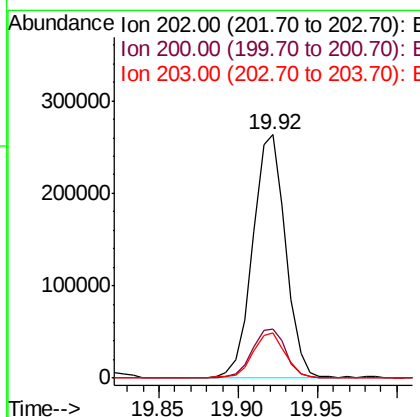
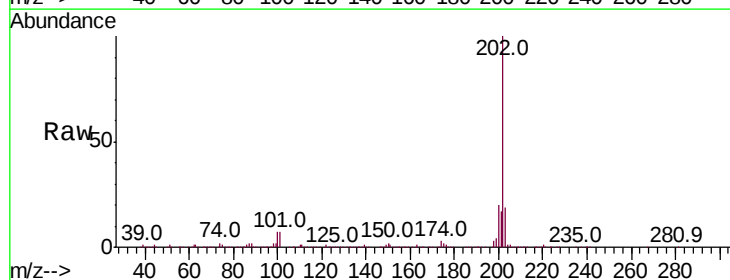
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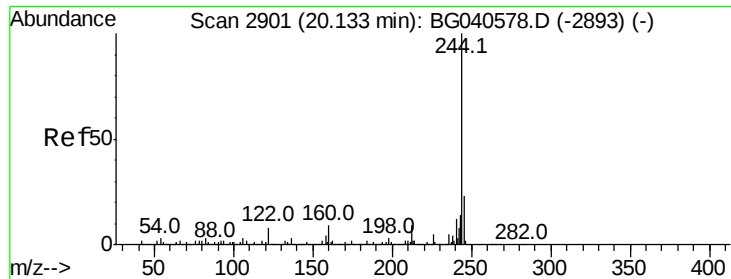
Sohil
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#78
Pyrene
Concen: 13.620 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.02 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.0	17.2	25.8
203	18.6	15.0	22.4





#79

Terphenyl-d14

Concen: 82.958 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

Instrument :

BNA_G

ClientSampleId :

P026-SS001-1218-01

Tot Ion:244 Resp: 1653633

Ion Ratio Lower Upper

244 100

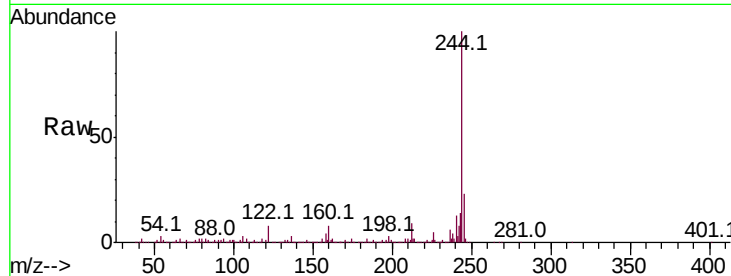
212 9.3 7.2 10.8

122 7.5 6.6 10.0

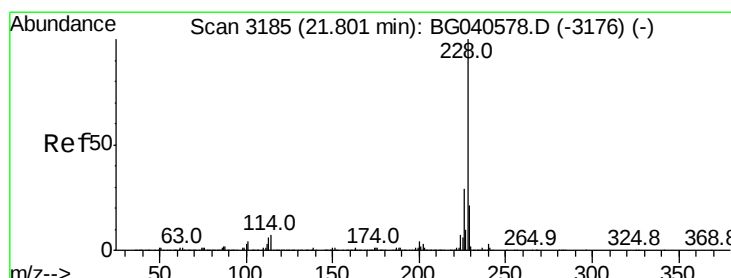
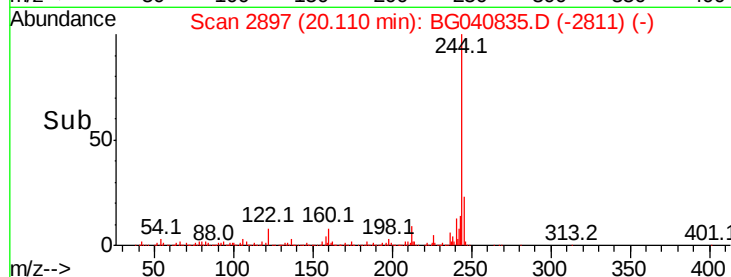
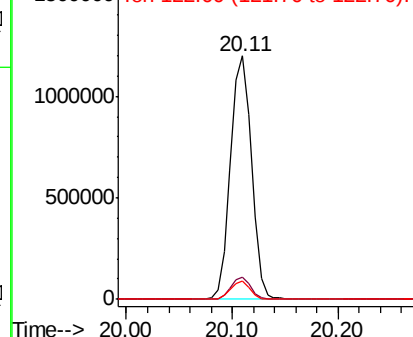
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.441 ng

RT: 21.77 min Scan# 3180

Delta R.T. -0.03 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

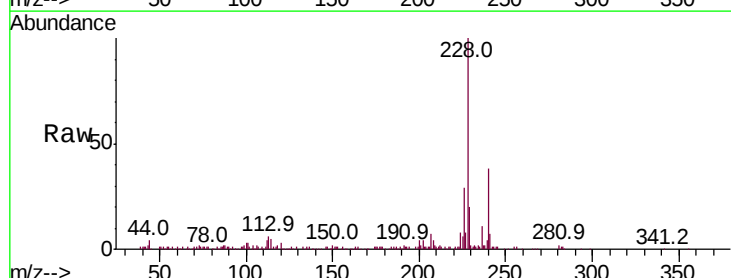
Tgt Ion:228 Resp: 123947

Ion Ratio Lower Upper

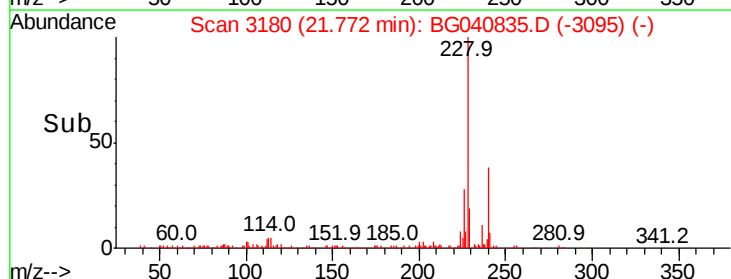
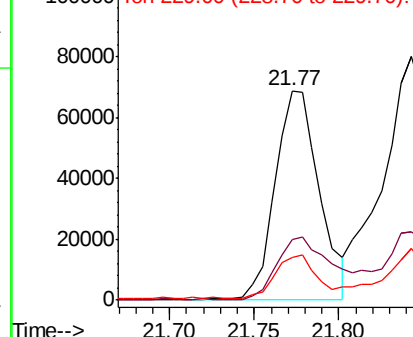
228 100

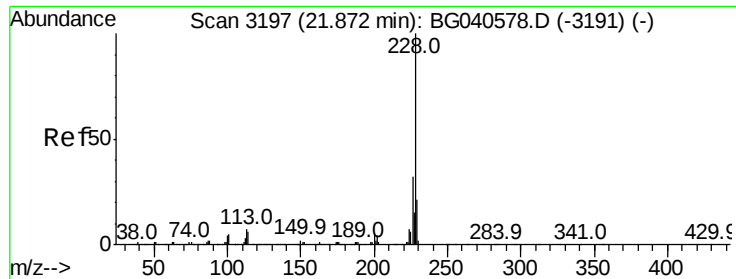
226 29.2 23.1 34.7

229 20.1 17.0 25.4



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





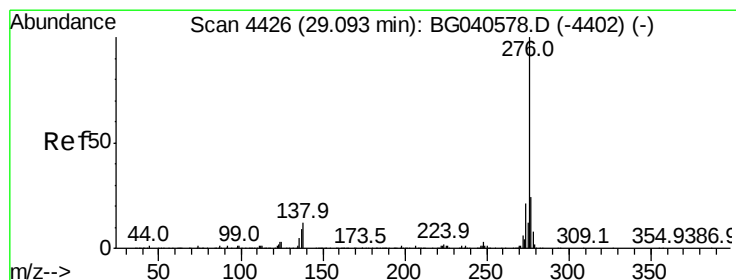
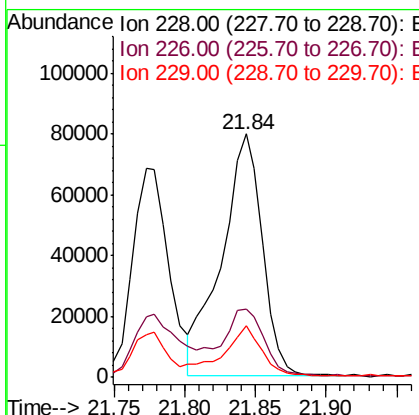
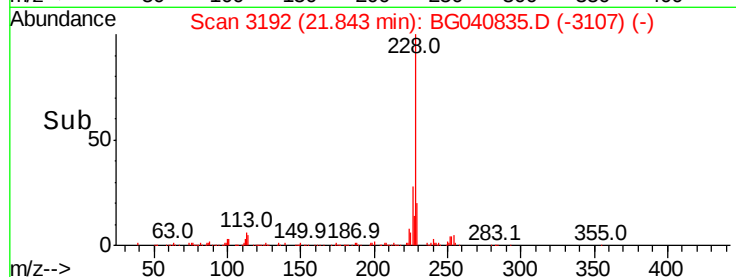
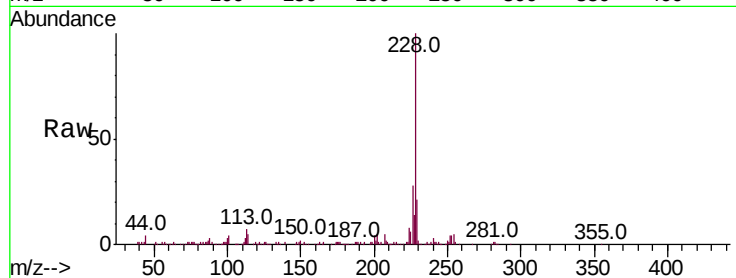
#83
Chrysene
Concen: 6.037 ng
RT: 21.84 min Scan# 3192
Delta R.T. -0.03 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tot Ion:	228	Resp:	160239
Ion Ratio	Lower	Upper	
228	100		
226	28.1	25.5	38.3
229	21.2	16.8	25.2

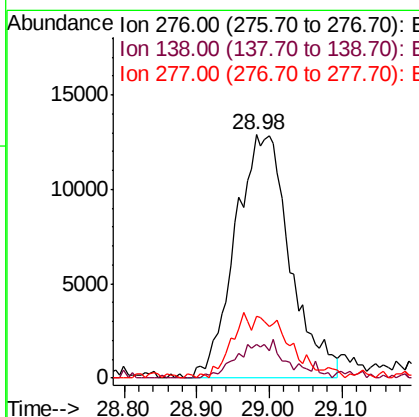
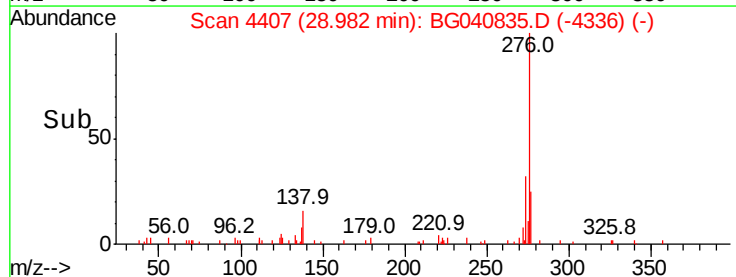
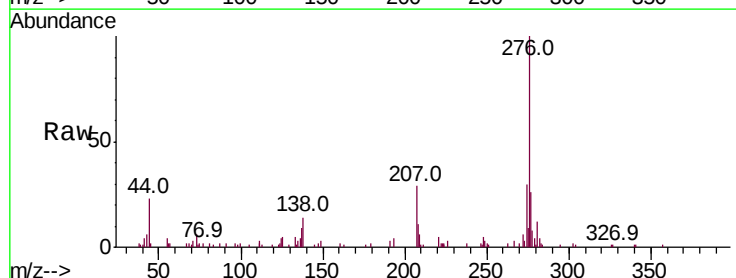
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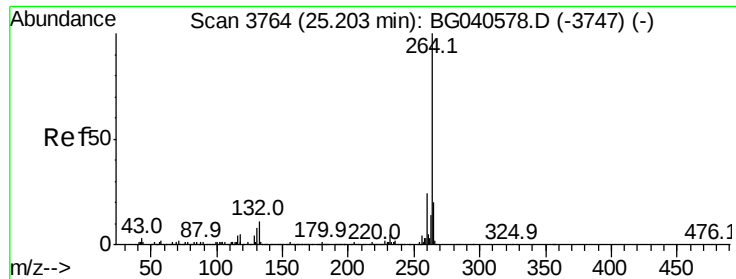
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.112 ng
RT: 28.98 min Scan# 4407
Delta R.T. -0.11 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion:	276	Resp:	67786
Ion Ratio	Lower	Upper	
276	100		
138	6.8	9.8	14.6#
277	10.1	17.3	25.9#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.15 min Scan# 3755

Delta R.T. -0.05 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

Instrument :

BNA_G

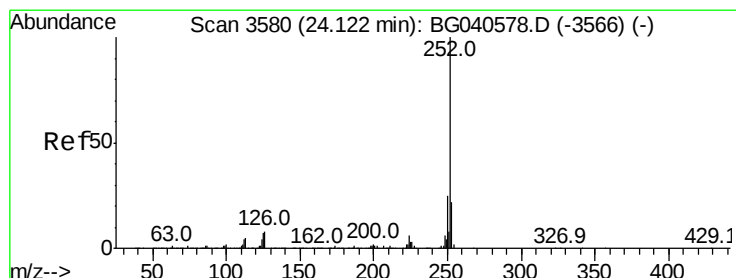
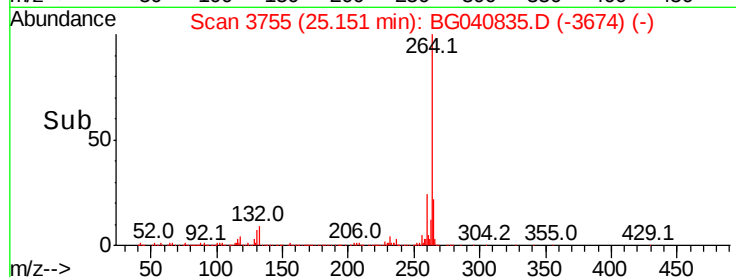
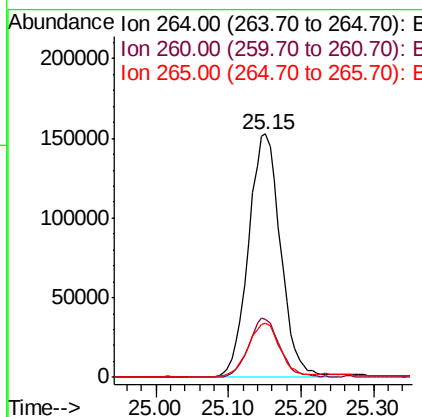
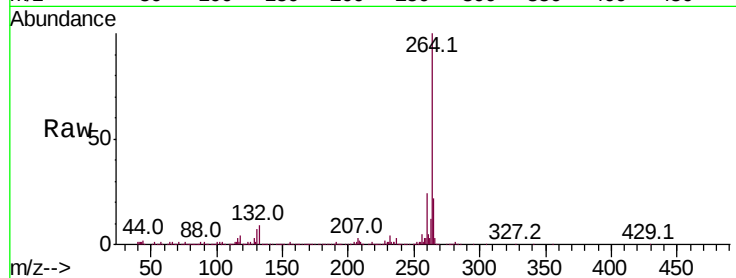
ClientSampleId :

P026-SS001-1218-01

Tot Ion:	264	Resp:	471270
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	22.1	16.6	25.0

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#88

Benzo(b)fluoranthene

Concen: 5.158 ng

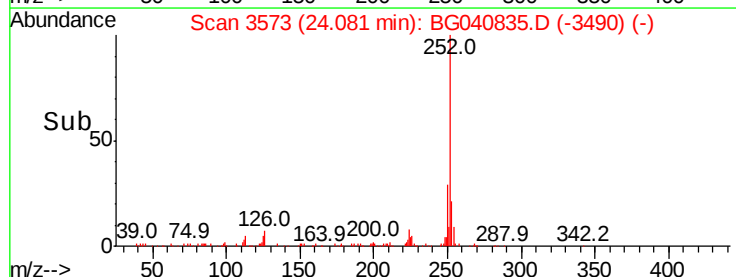
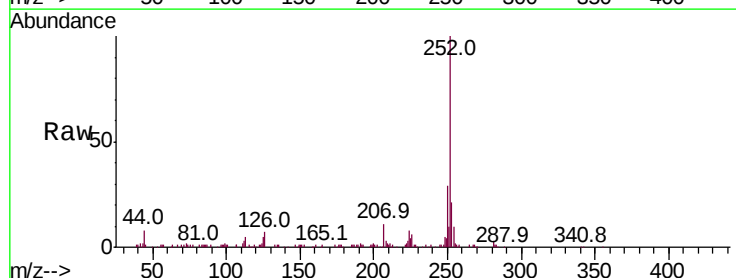
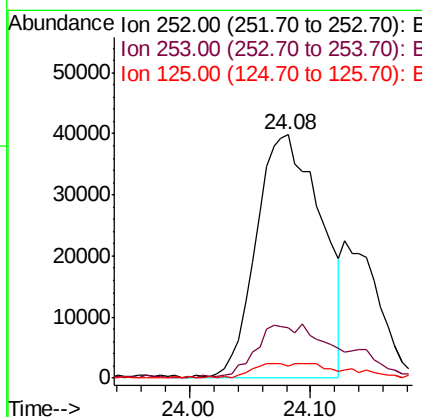
RT: 24.08 min Scan# 3573

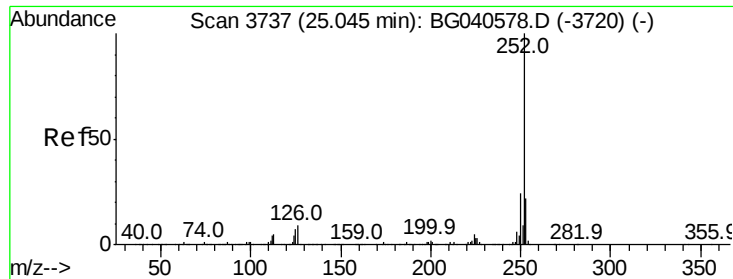
Delta R.T. -0.04 min

Lab File: BG040835.D

Acq: 10 May 2019 3:21

Tgt Ion:	252	Resp:	148535
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.6	26.4
125	4.9	5.4	8.0#





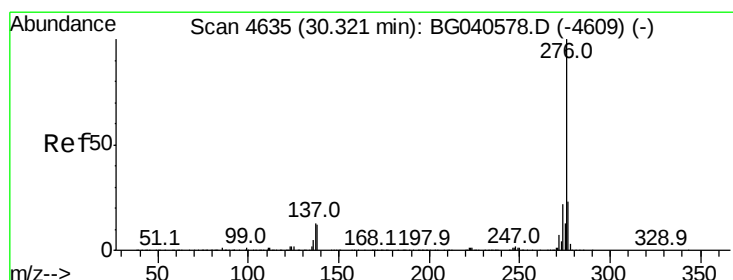
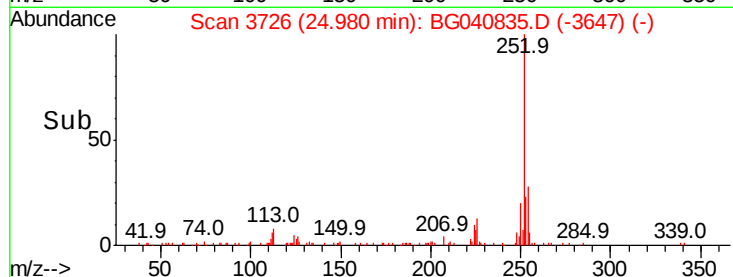
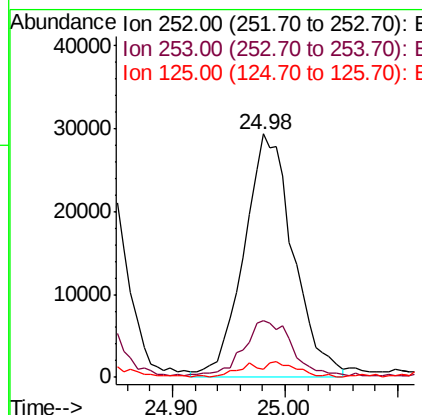
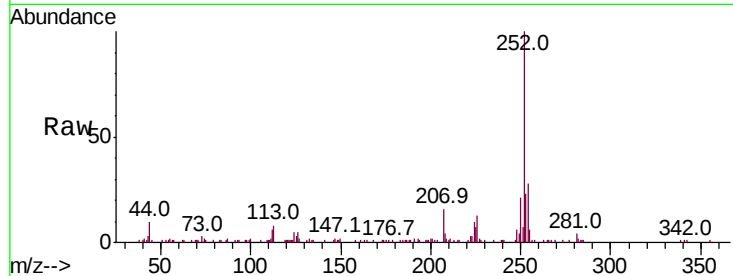
#90
Benzo(a)pyrene
Concen: 3.278 ng m
RT: 24.98 min Scan# 3726
Delta R.T. -0.06 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Instrument :
BNA_G
ClientSampleId :
P026-SS001-1218-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	3.3	5.7	8.5#

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#92
Benzo(g,h,i)perylene
Concen: 2.887 ng
RT: 30.20 min Scan# 4614
Delta R.T. -0.12 min
Lab File: BG040835.D
Acq: 10 May 2019 3:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.9	18.4	27.6
138	11.6	9.8	14.6

