

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
 Data File : BG040908.D
 Acq On : 12 May 2019 14:10
 Operator : HP/JU
 Sample : K2766-02
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS006-0612-01

Manual Integrations
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 5/14/2019 8:01:54 PM

Quant Time: May 13 05:13:58 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	8.13	152	54061	20.00	ng	-0.03
21) Naphthalene-d8	10.96	136	233221	20.00	ng	-0.03
39) Acenaphthene-d10	14.76	164	170788	20.00	ng	-0.03
64) Phenanthrene-d10	17.51	188	427967	20.00	ng	-0.03
76) Chrysene-d12	21.79	240	425678	20.00	ng	-0.03
87) Perylene-d12	25.14	264	467390	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	427152	139.28	ng	-0.02
7) Phenol-d6	7.28	99	638632	135.24	ng	-0.02
23) Nitrobenzene-d5	9.31	82	441169	87.41	ng	-0.03
42) 2,4,6-Tribromophenol	16.25	330	344083	146.57	ng	-0.02
45) 2-Fluorobiphenyl	13.39	172	988452	83.58	ng	-0.03
79) Terphenyl-d14	20.10	244	1557869	81.08	ng	-0.03
Target Compounds						
50) Dimethylphthalate	14.20	163	135261	9.466	ng	98
75) Fluoranthene	19.55	202	135164	4.705	ng	97
78) Pyrene	19.92	202	270988	10.157	ng	98
81) Benzo(a)anthracene	21.77	228	112796	4.193	ng	96
83) Chrysene	21.84	228	151398	5.917	ng	99
86) Indeno(1,2,3-cd)pyrene	28.97	276	125463	4.056	ng	96
88) Benzo(b)fluoranthene	24.06	252	184782	6.470	ng	98
89) Benzo(k)fluoranthene	24.12	252	59257m	2.222	ng	
90) Benzo(a)pyrene	24.97	252	126351	4.673	ng	96
92) Benzo(g,h,i)perylene	30.17	276	155816	5.722	ng	98

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

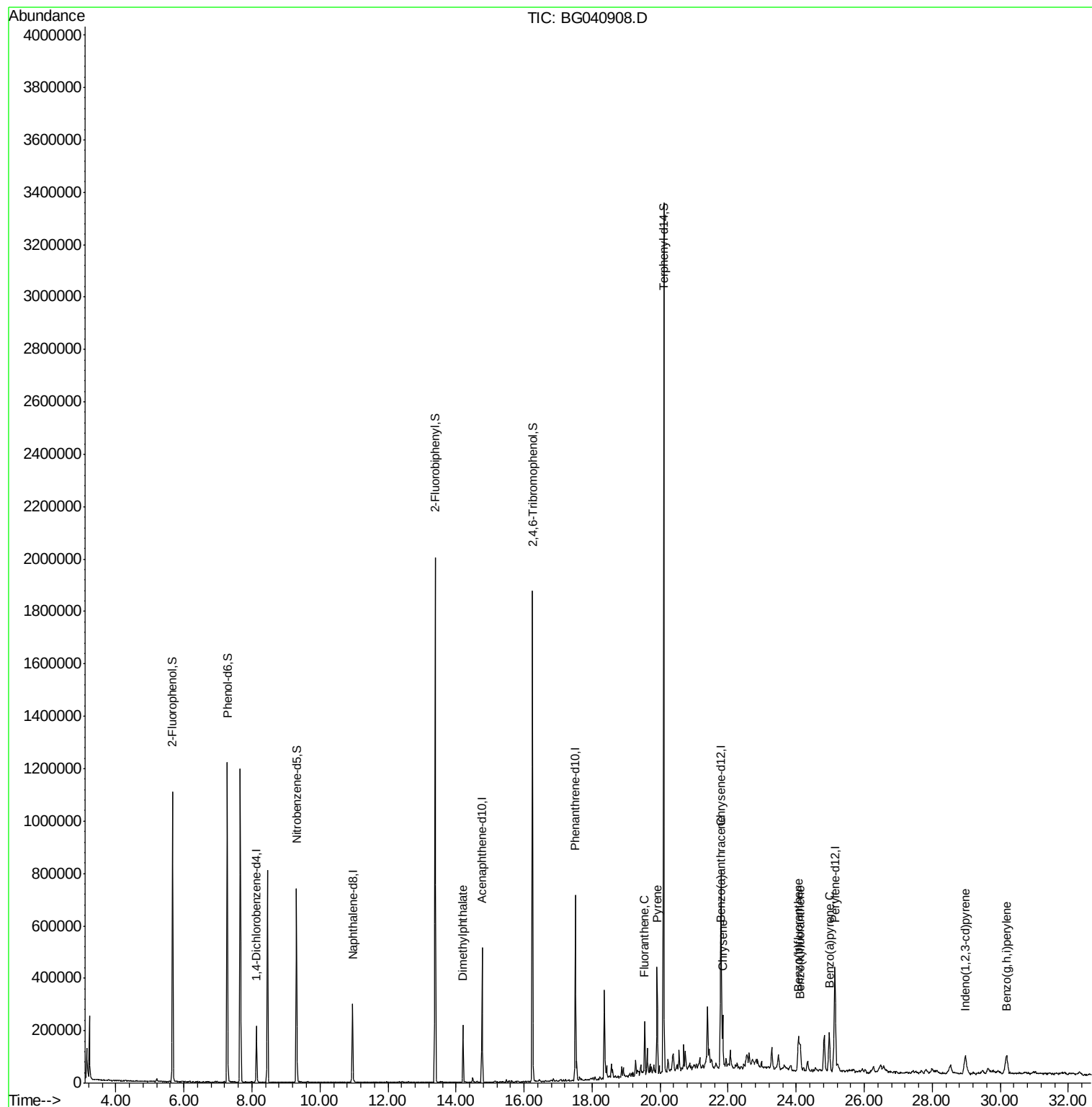
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051119\
Data File : BG040908.D
Acq On : 12 May 2019 14:10
Operator : HP/JU
Sample : K2766-02
Misc :
ALS Vial : 35 Sample Multiplier: 1

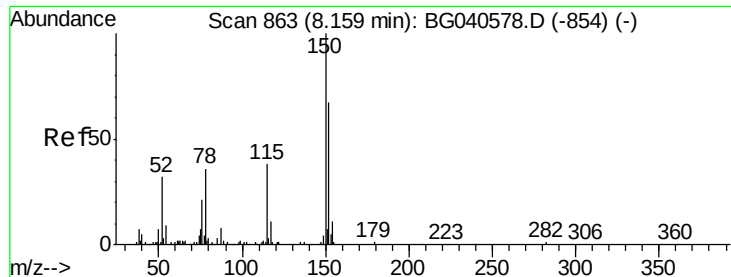
Instrument :
BNA_G
ClientSampleId :
P026-SS006-0612-01

Manual Integrations
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#1

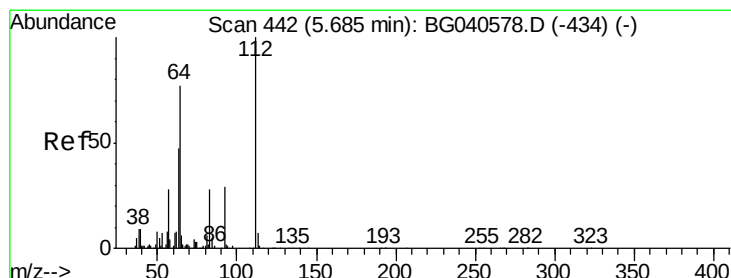
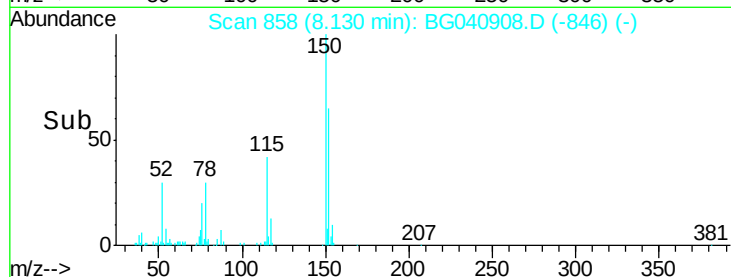
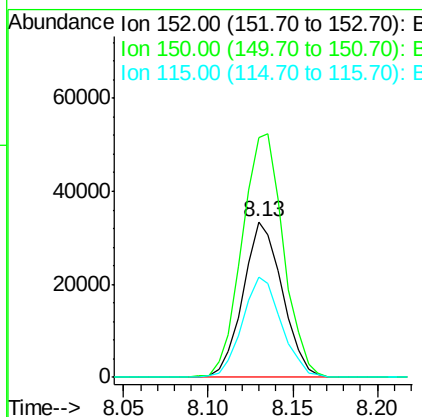
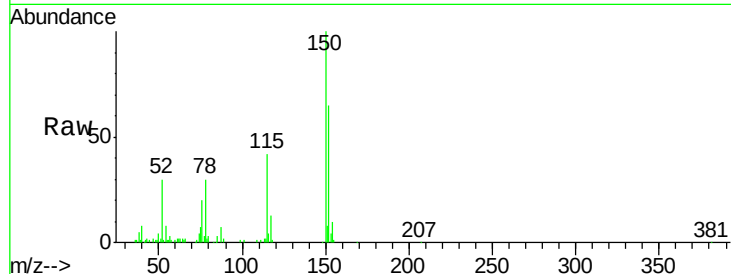
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.13 min Scan# 858
 Delta R.T. -0.03 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS006-0612-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.9	120.2	180.2
115	64.5	46.2	69.2

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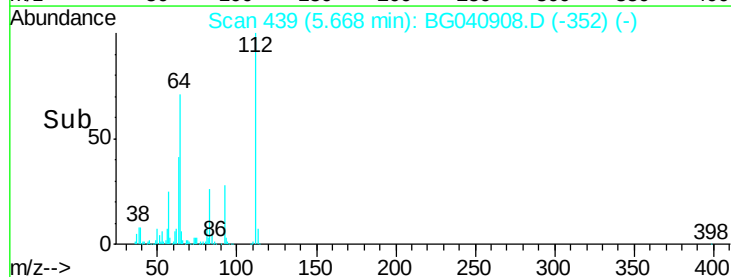
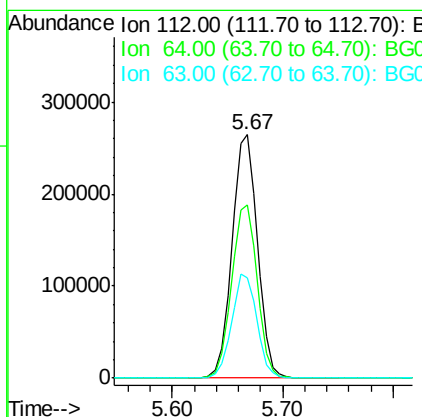
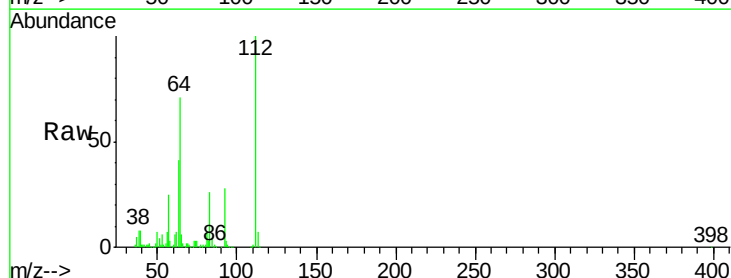
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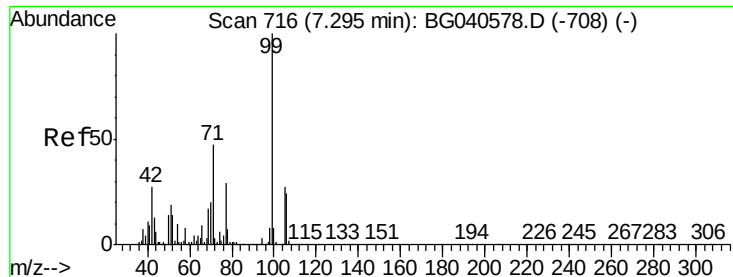


#5

2-Fluorophenol
 Concen: 139.281 ng
 RT: 5.67 min Scan# 439
 Delta R.T. -0.02 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	61.4	92.0
63	41.3	37.8	56.6





#7

Phenol-d6

Concen: 135.245 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BG040908.D

Acq: 12 May 2019 14:10

Instrument :

BNA_G

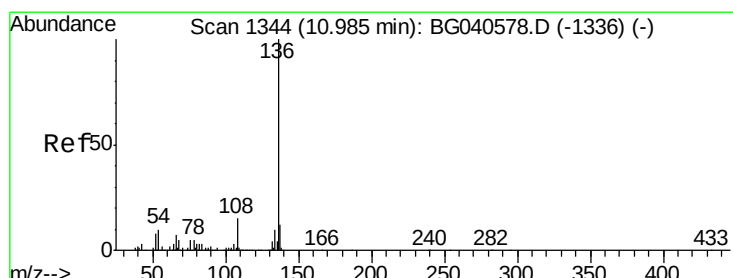
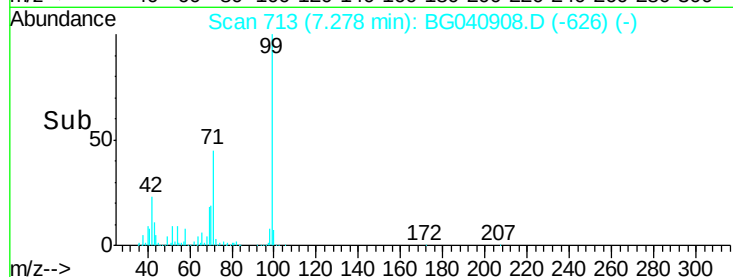
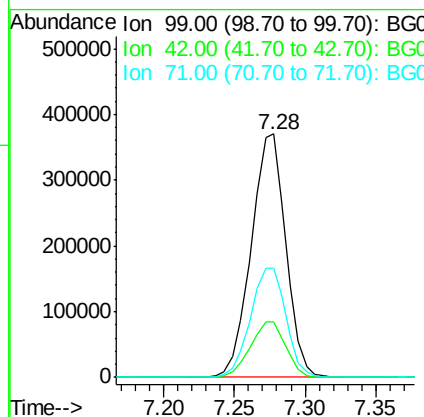
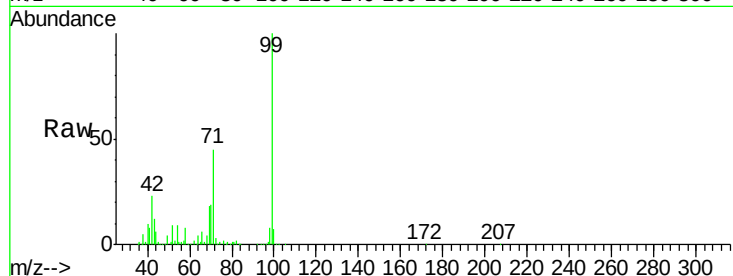
ClientSampleId :

P026-SS006-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	638632		
42	22.8	21.8	32.8	
71	45.0	38.6	57.8	

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#21

Naphthalene-d8

Concen: 20.000 ng

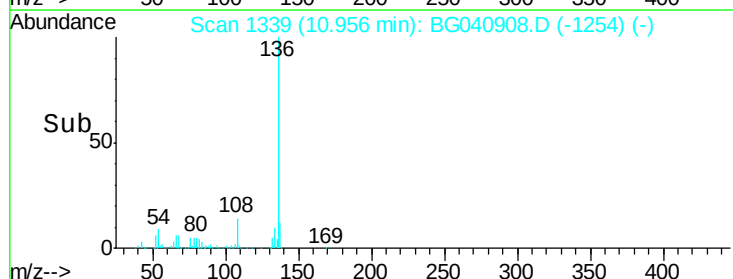
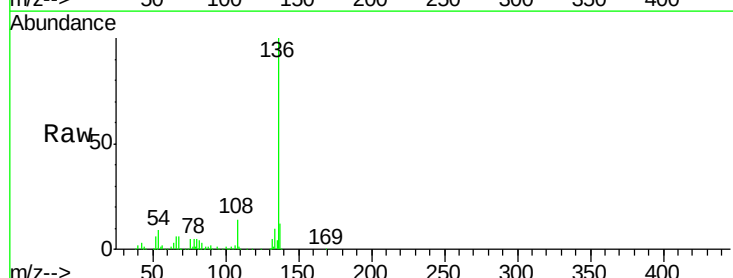
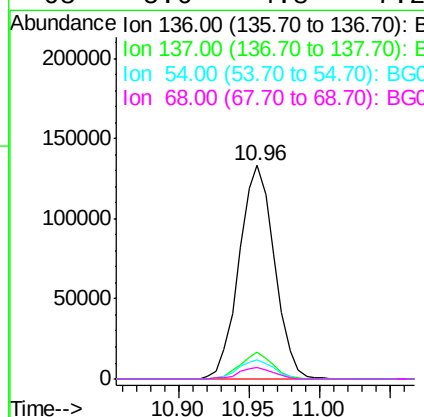
RT: 10.96 min Scan# 1339

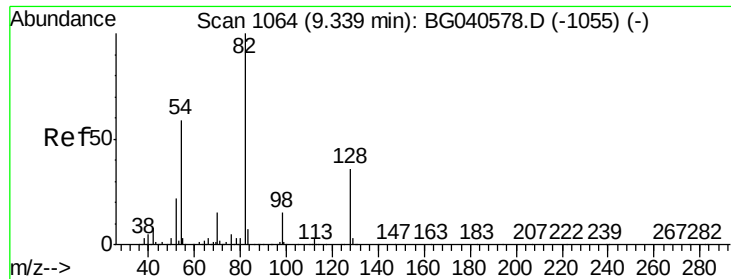
Delta R.T. -0.03 min

Lab File: BG040908.D

Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	233221		
137	12.4	9.7	14.5	
54	9.3	8.6	12.8	
68	5.6	4.8	7.2	





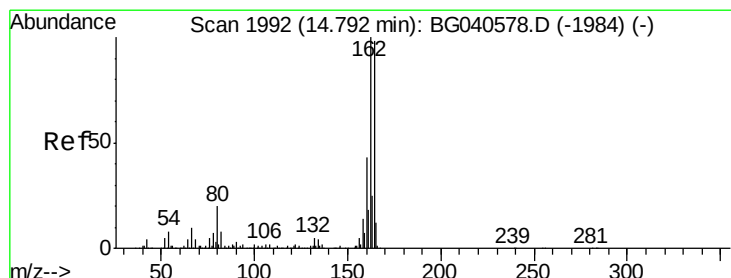
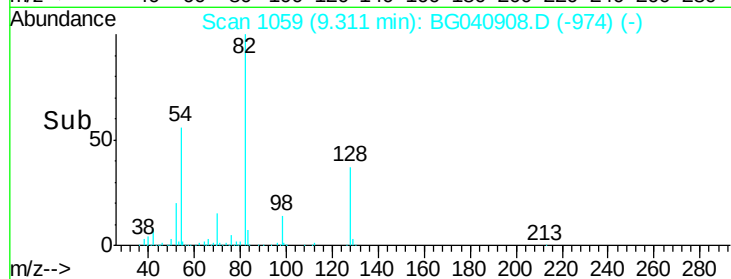
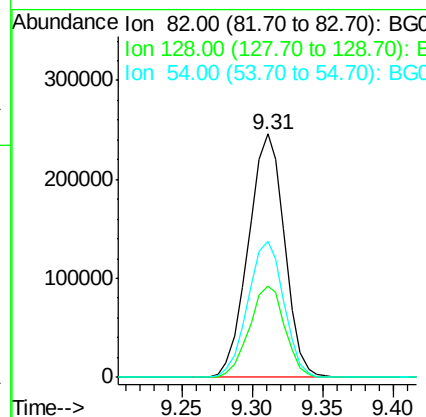
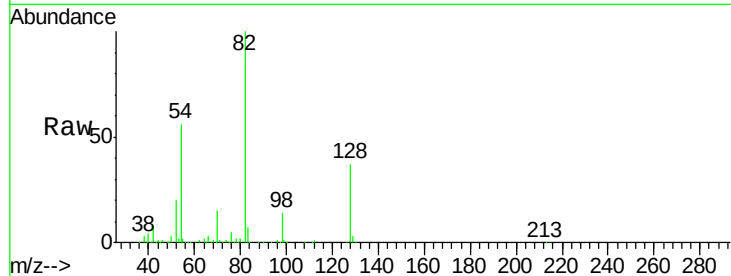
#23
Nitrobenzene-d5
Concen: 87.405 ng
RT: 9.31 min Scan# 1059
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Instrument :
BNA_G
ClientSampleId :
P026-SS006-0612-01

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.5	28.9	43.3
54	55.8	47.2	70.8

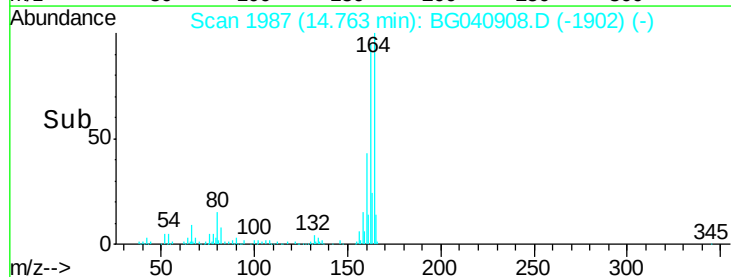
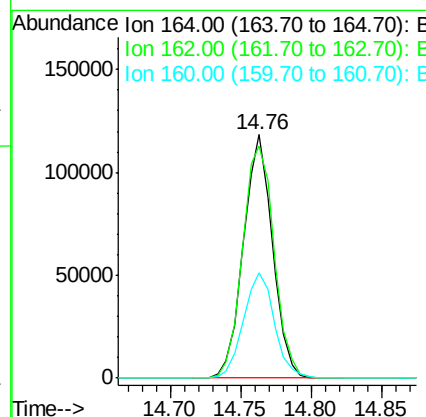
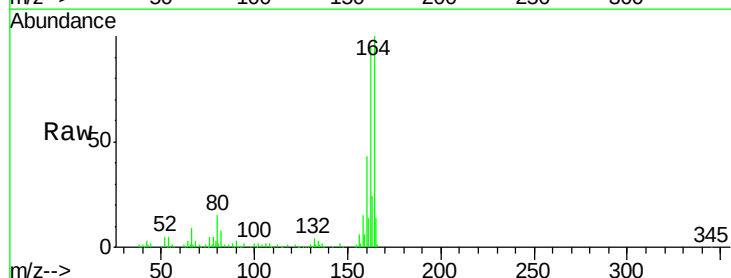
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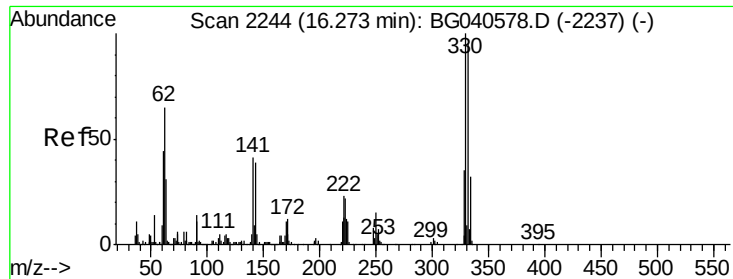
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.76 min Scan# 1987
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	81.9	122.9
160	43.3	35.4	53.2





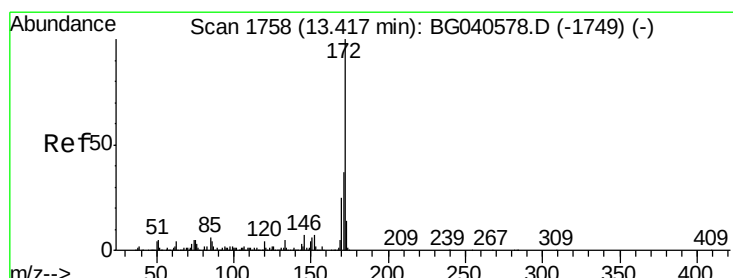
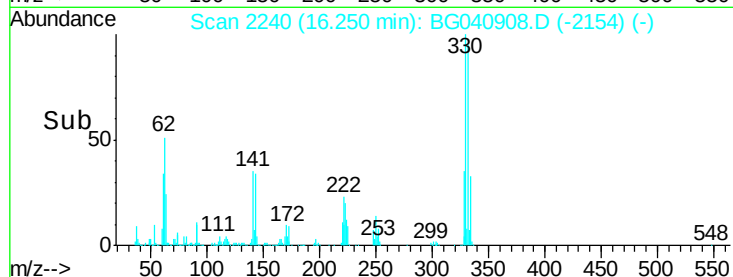
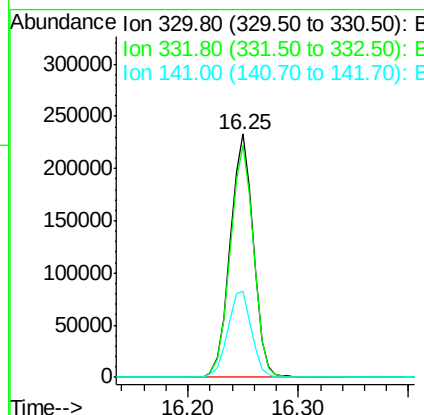
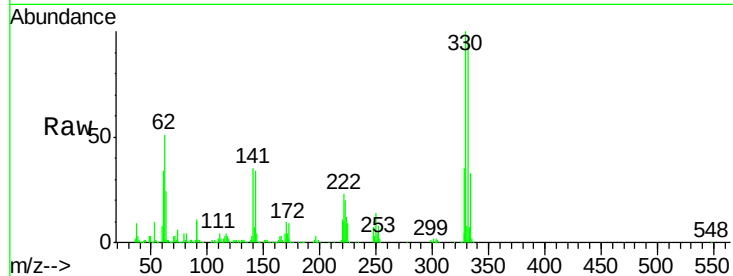
#42
 2,4,6-Tribromophenol
 Concen: 146.573 ng
 RT: 16.25 min Scan# 2240
 Delta R.T. -0.02 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS006-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	344083		
332	96.0	75.9	113.9	
141	36.1	32.4	48.6	

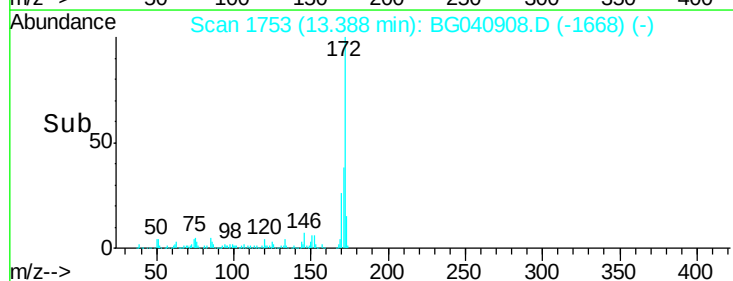
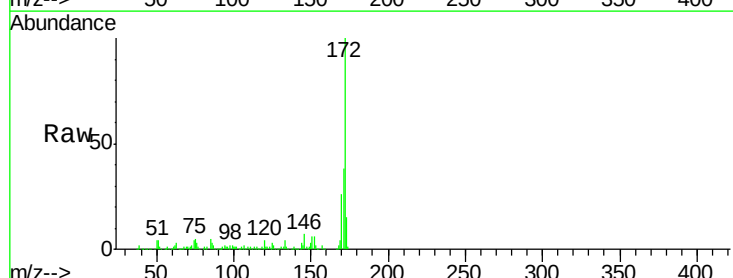
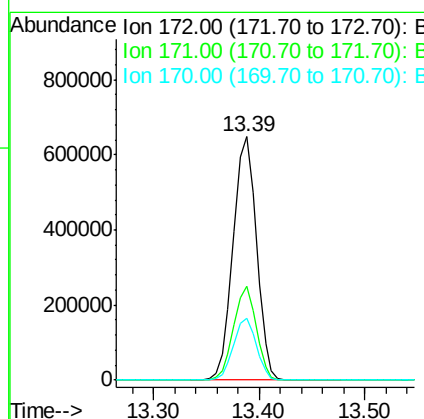
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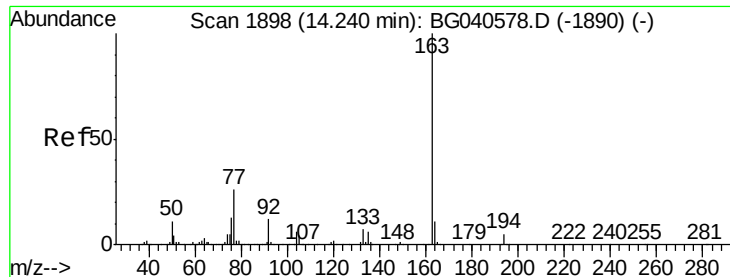
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#45
 2-Fluorobiphenyl
 Concen: 83.584 ng
 RT: 13.39 min Scan# 1753
 Delta R.T. -0.03 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	988452		
171	38.3	29.4	44.2	
170	25.6	19.9	29.9	





#50

Dimethylphthalate

Concen: 9.466 ng

RT: 14.20 min Scan# 1892

Delta R.T. -0.03 min

Lab File: BG040908.D

Acq: 12 May 2019 14:10

Instrument :

BNA_G

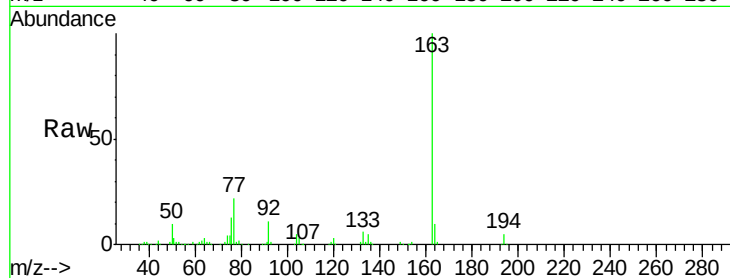
ClientSampleId :

P026-SS006-0612-01

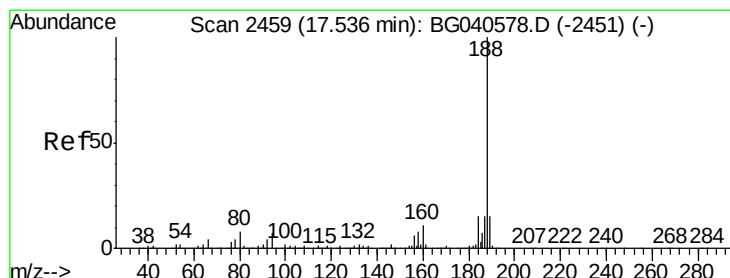
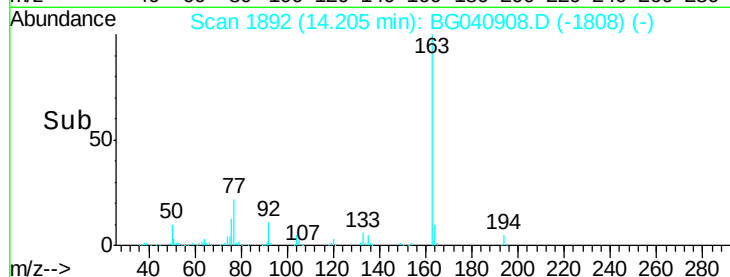
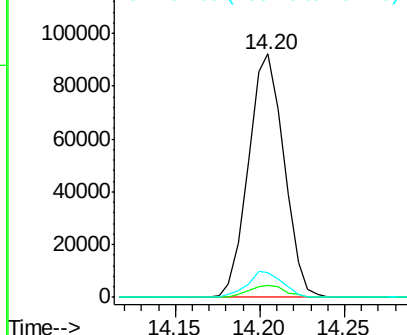
Tgt Ion:	163	Resp:	135261
Ion Ratio		Lower	Upper
163	100		
194	5.1	3.8	5.8
164	9.9	8.8	13.2

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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

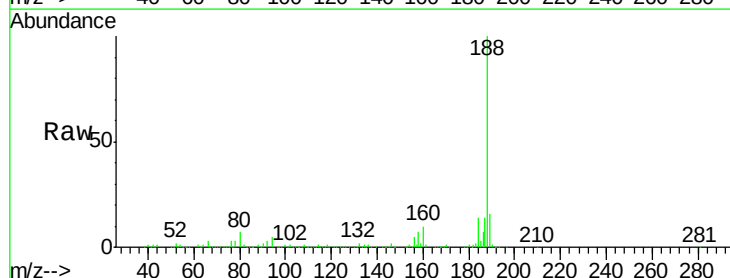
RT: 17.51 min Scan# 2454

Delta R.T. -0.03 min

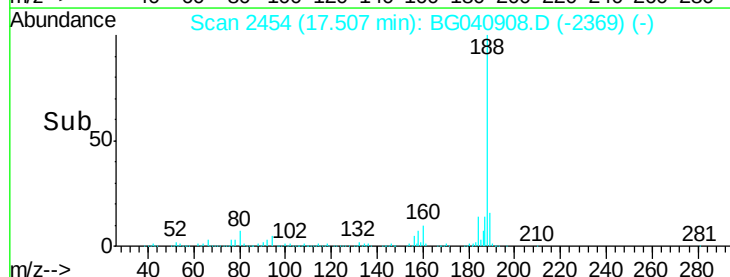
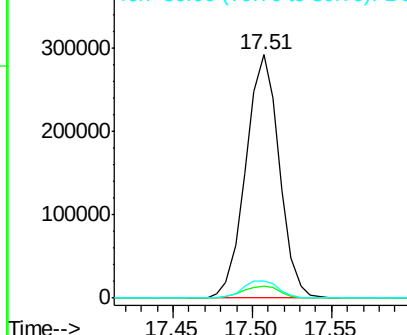
Lab File: BG040908.D

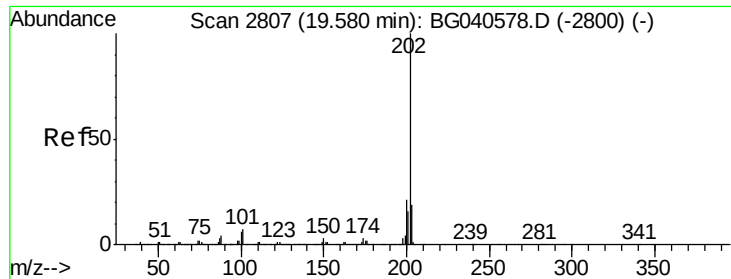
Acq: 12 May 2019 14:10

Tgt Ion:	188	Resp:	427967
Ion Ratio		Lower	Upper
188	100		
94	5.1	5.6	8.4#
80	7.1	6.4	9.6



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





#75

Fluoranthene

Concen: 4.705 ng

RT: 19.55 min Scan# 2802

Delta R.T. -0.03 min

Lab File: BG040908.D

Acq: 12 May 2019 14:10

Instrument :

BNA_G

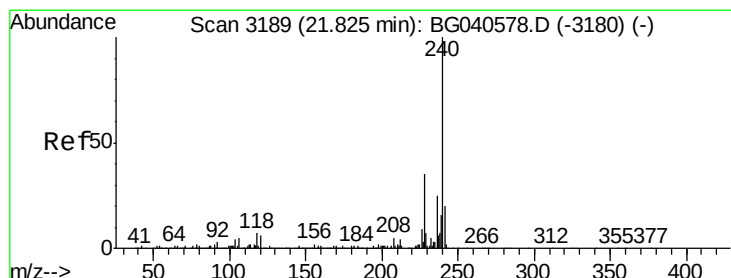
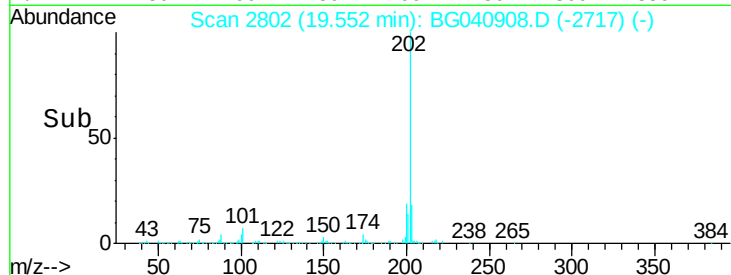
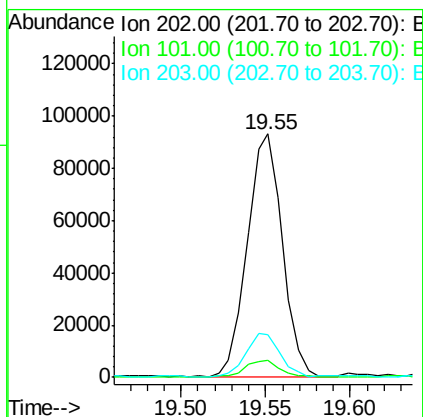
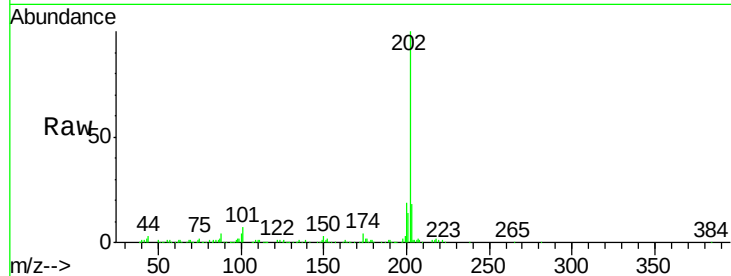
ClientSampleId :

P026-SS006-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	135164		
101	6.8	0.0	27.5	
203	17.6	0.0	39.3	

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#76

Chrysene-d12

Concen: 20.000 ng

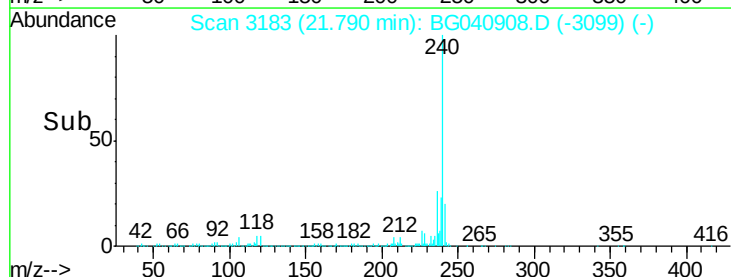
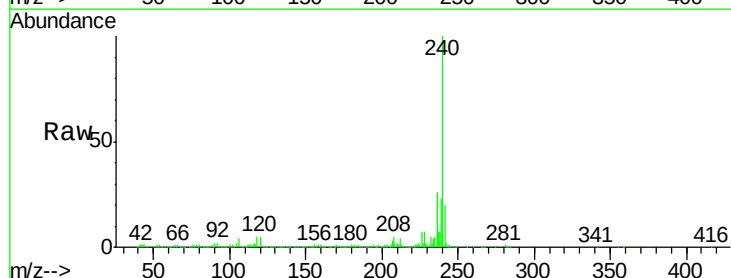
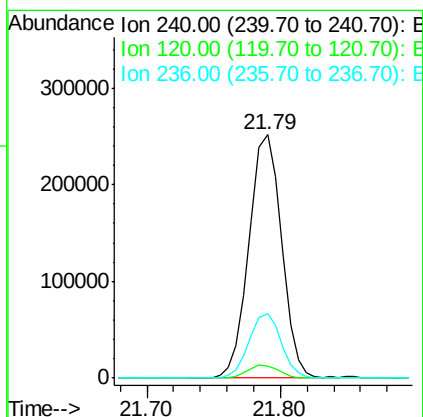
RT: 21.79 min Scan# 3183

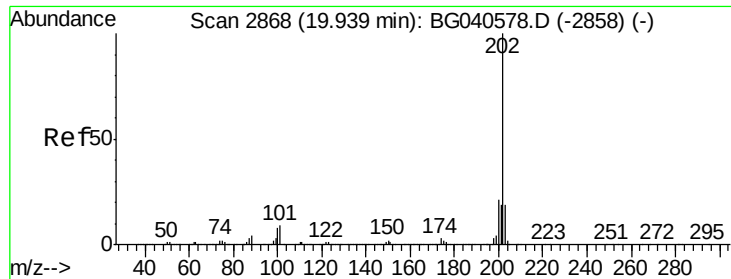
Delta R.T. -0.03 min

Lab File: BG040908.D

Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	425678		
120	5.0	5.0	7.6#	
236	26.4	20.3	30.5	





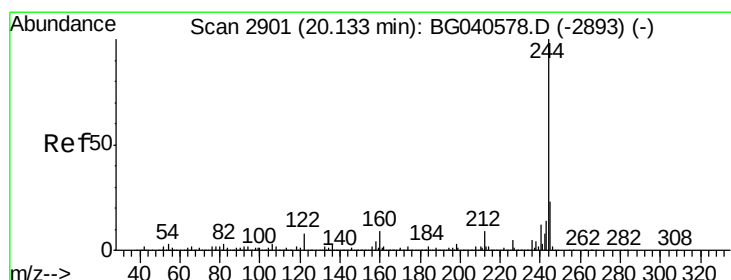
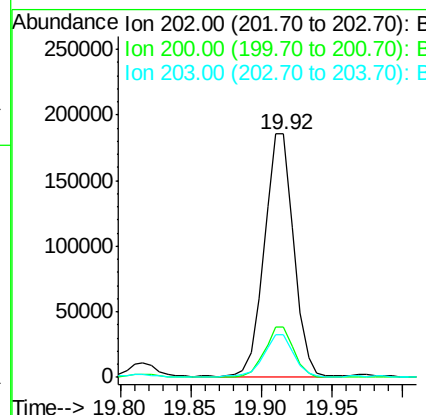
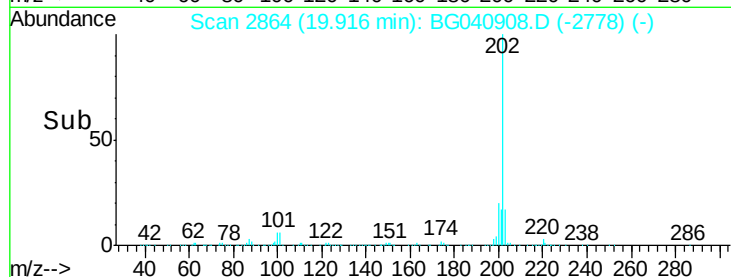
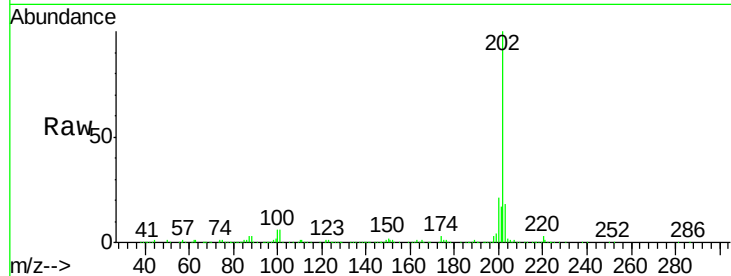
#78
 Pyrene
 Concen: 10.157 ng
 RT: 19.92 min Scan# 2864
 Delta R.T. -0.02 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS006-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	270988		
200	20.5	17.2	25.8	
203	17.7	15.0	22.4	

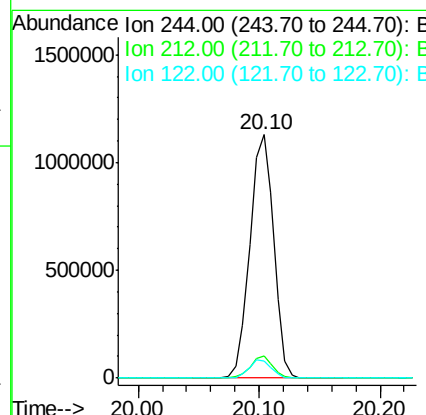
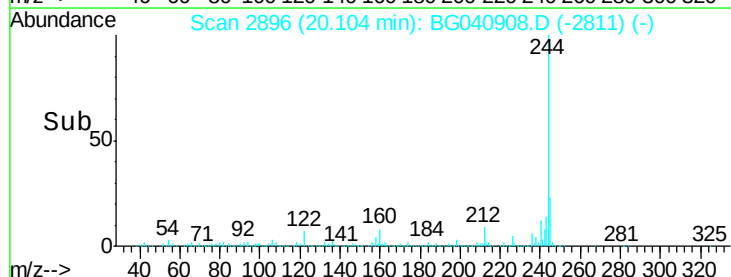
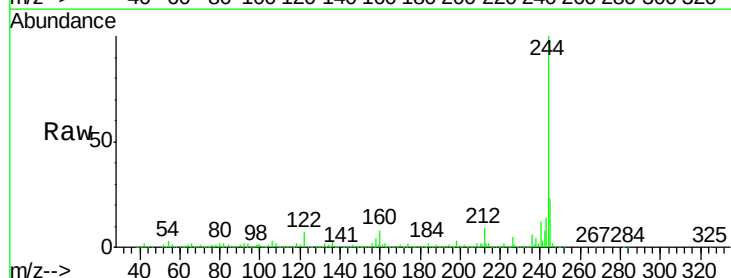
Manual Integrations
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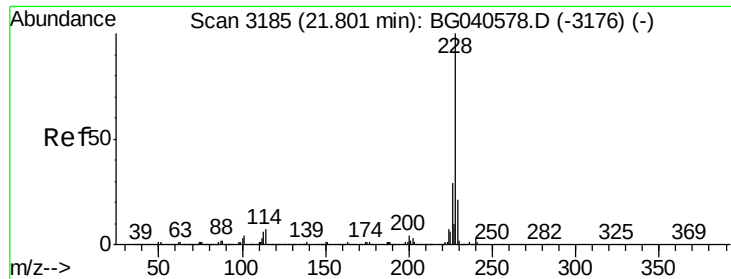
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#79
 Terphenyl-d14
 Concen: 81.079 ng
 RT: 20.10 min Scan# 2896
 Delta R.T. -0.03 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1557869		
212	9.2	7.2	10.8	
122	7.2	6.6	10.0	





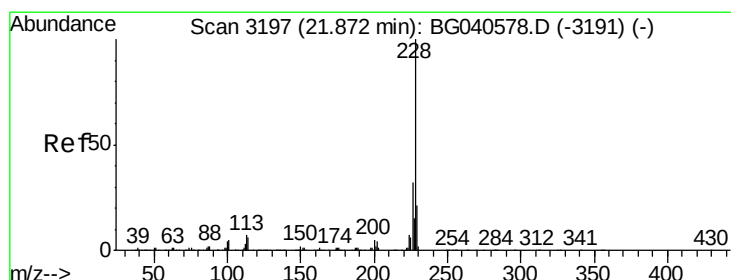
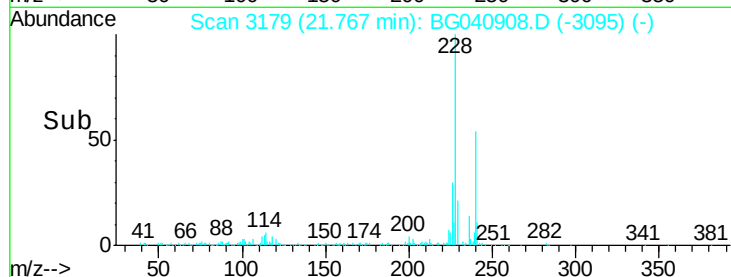
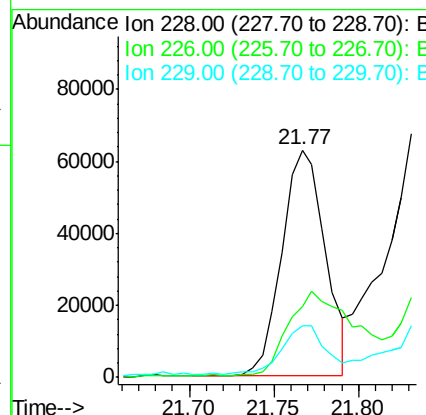
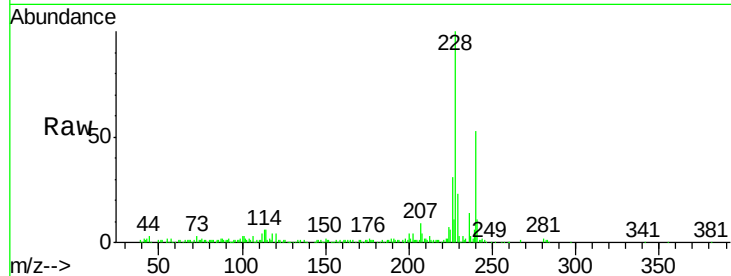
#81
Benzo(a)anthracene
Concen: 4.193 ng
RT: 21.77 min Scan# 3179
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Instrument :
BNA_G
ClientSampleId :
P026-SS006-0612-01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.1	34.7
229	23.0	17.0	25.4

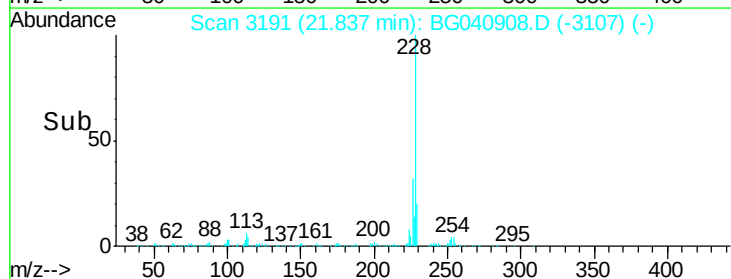
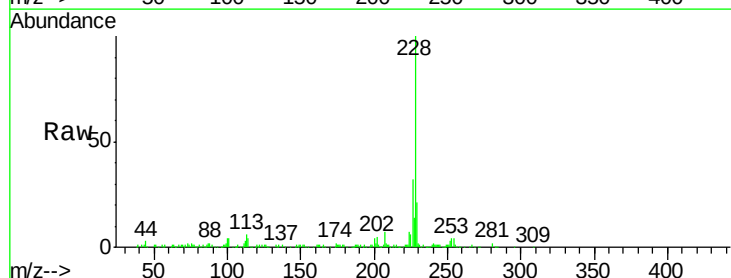
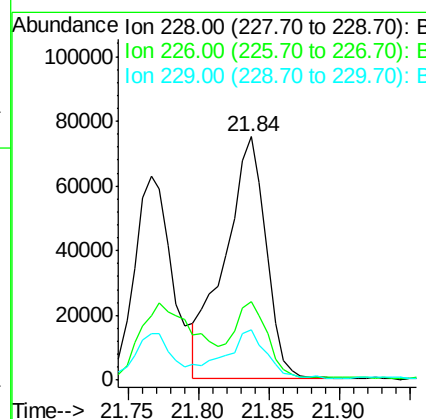
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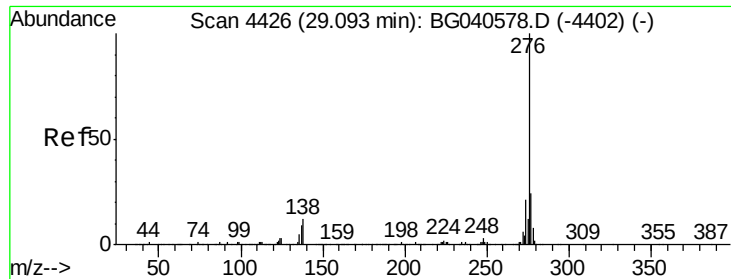
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#83
Chrysene
Concen: 5.917 ng
RT: 21.84 min Scan# 3191
Delta R.T. -0.03 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.5	38.3
229	20.7	16.8	25.2





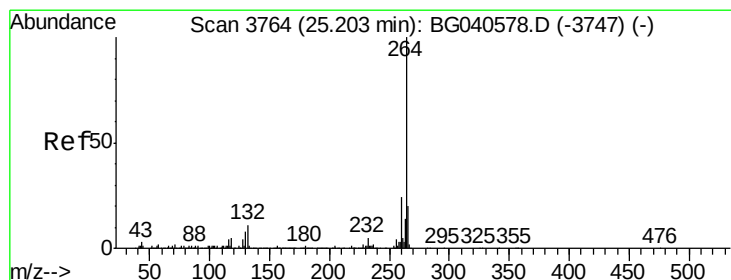
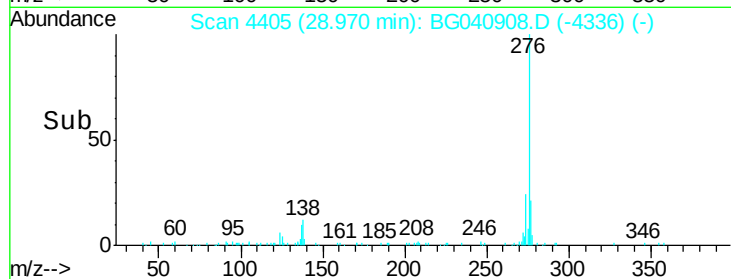
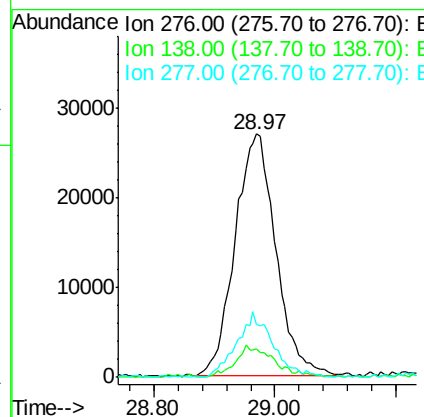
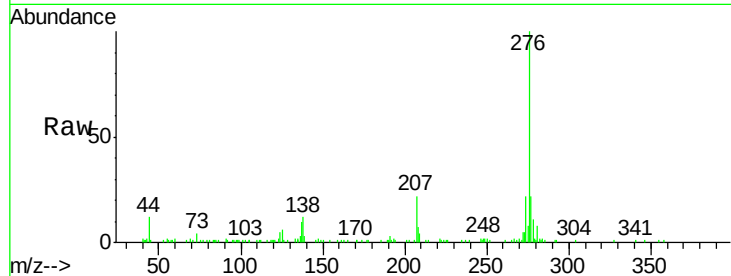
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.056 ng
 RT: 28.97 min Scan# 4405
 Delta R.T. -0.12 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Instrument :
 BNA_G
 ClientSampleId :
 P026-SS006-0612-01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	125463		
138	11.8	9.8	14.6	
277	24.2	17.3	25.9	

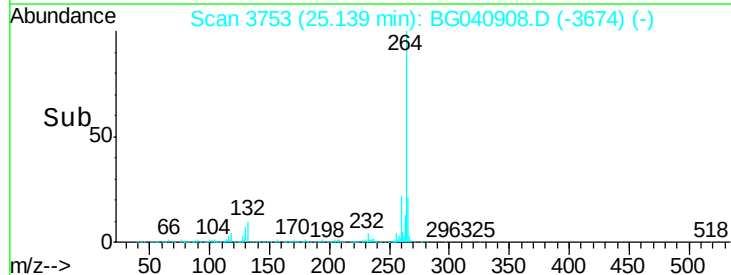
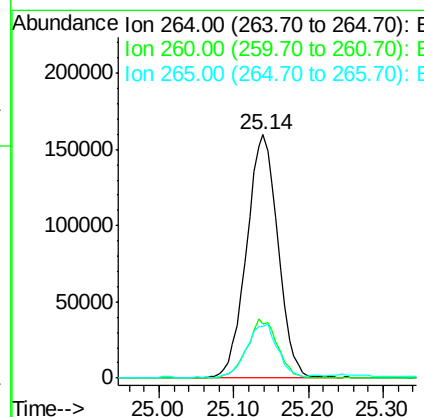
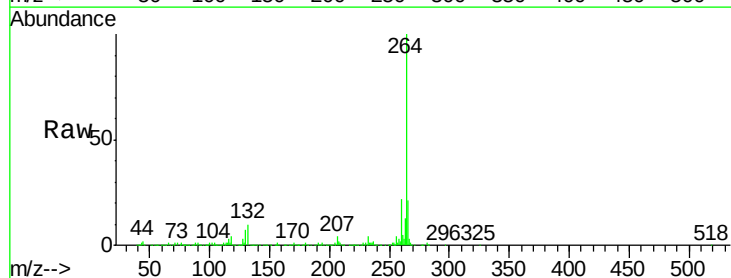
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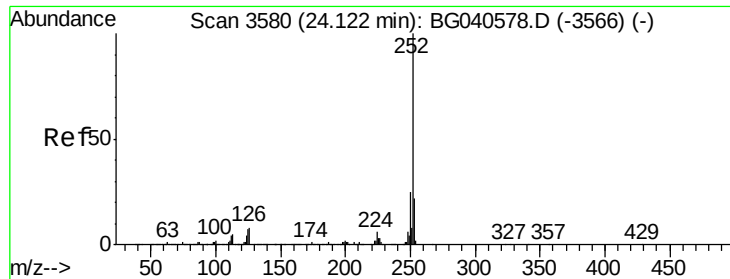
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.14 min Scan# 3753
 Delta R.T. -0.06 min
 Lab File: BG040908.D
 Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	467390		
260	22.2	19.2	28.8	
265	21.2	16.6	25.0	





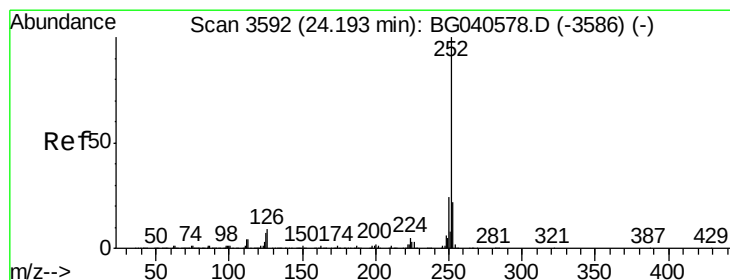
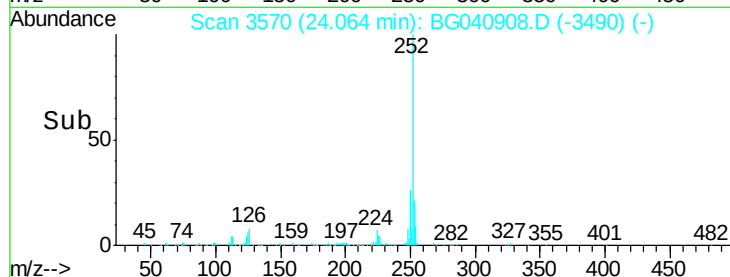
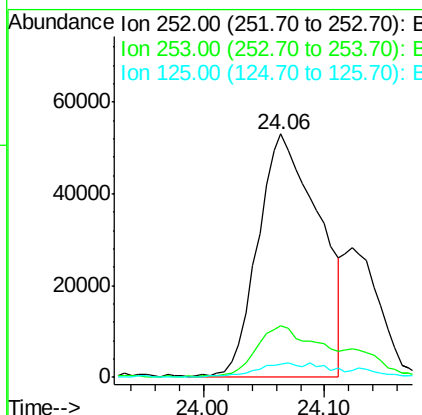
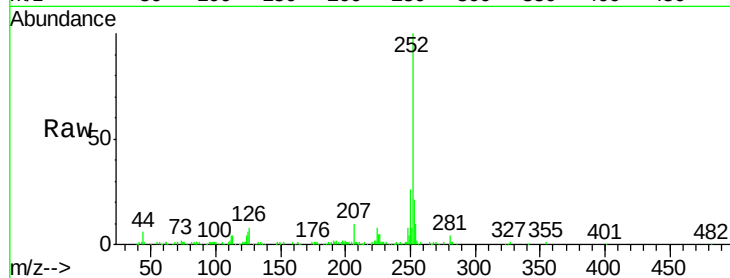
#88
Benzo(b)fluoranthene
Concen: 6.470 ng
RT: 24.06 min Scan# 3570
Delta R.T. -0.06 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Instrument :
BNA_G
ClientSampleId :
P026-SS006-0612-01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	5.6	5.4	8.0

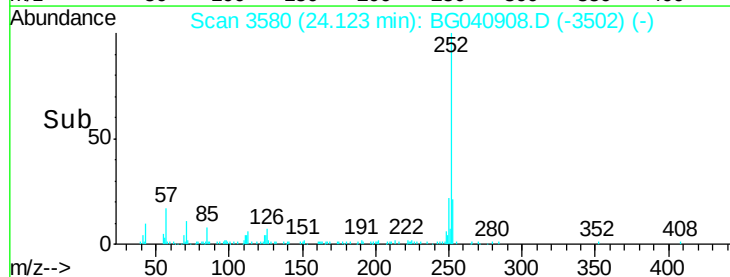
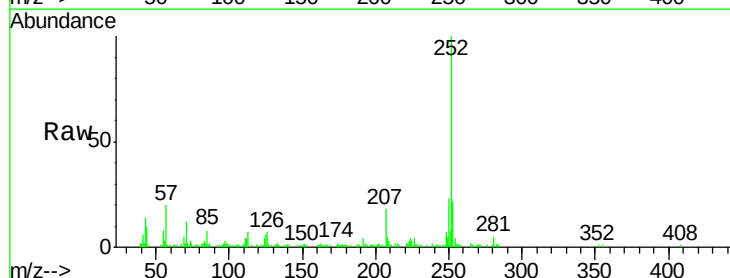
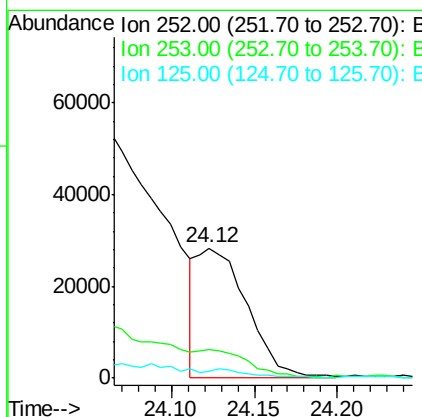
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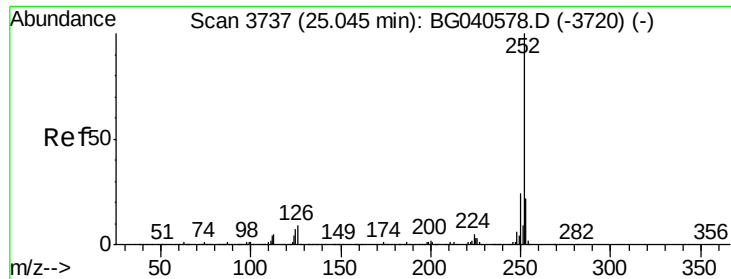
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#89
Benzo(k)fluoranthene
Concen: 2.222 ng m
RT: 24.12 min Scan# 3580
Delta R.T. -0.07 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	5.5	5.5	8.3#





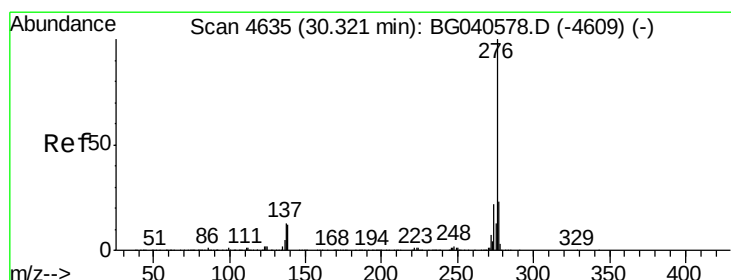
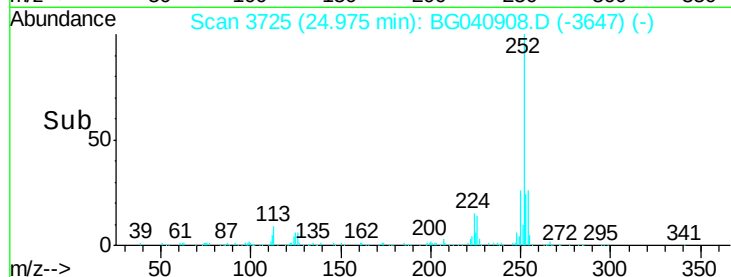
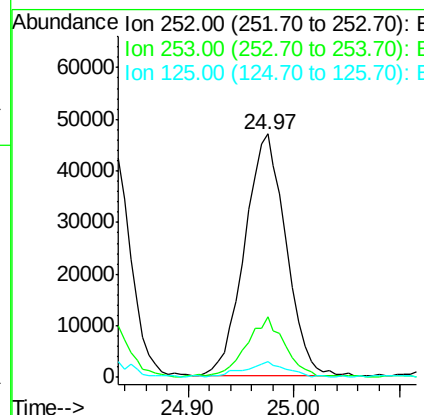
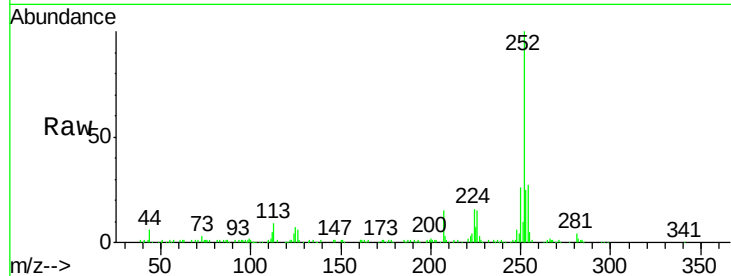
#90
Benzo(a)pyrene
Concen: 4.673 ng
RT: 24.97 min Scan# 3725
Delta R.T. -0.07 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Instrument :
BNA_G
ClientSampleId :
P026-SS006-0612-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.6	17.8	26.6
125	6.6	5.7	8.5

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 5.722 ng
RT: 30.17 min Scan# 4610
Delta R.T. -0.15 min
Lab File: BG040908.D
Acq: 12 May 2019 14:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	22.6	18.4	27.6
138	13.8	9.8	14.6

