

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022416\
 Data File : BG021071.D
 Acq On : 25 Feb 2016 3:50
 Operator : UM/SJ
 Sample : H1557-02 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-10

Manual Integrations
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Sohil
 2/25/2016 2:40:43 PM

Quant Time: Mar 03 11:37:35 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 24 00:35:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	5200	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	27046	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	13136	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	20422	20.00	ng	0.00
75) Chrysene-d12	21.84	240	16780	20.00	ng	0.00
86) Perylene-d12	25.18	264	10145m	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	2144	7.23	ng	0.00
7) Phenol-d6	7.41	99	3581	7.84	ng	0.00
23) Nitrobenzene-d5	9.39	82	2474	5.37	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	1126	7.16	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	5631	5.97	ng	0.00
78) Terphenyl-d14	20.14	244	4130	3.19	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	17.60	178	31564	27.32	ng	97
71) Anthracene	17.70	178	10142	8.81	ng	98
74) Fluoranthene	19.61	202	107937	92.91	ng	97
77) Pyrene	19.96	202	105579	55.07	ng	99
80) Benzo(a)anthracene	21.82	228	41317m	41.06	ng	
82) Chrysene	21.89	228	45031m	47.97	ng	
85) Indeno(1,2,3-cd)pyrene	28.98	276	5801m	6.87	ng	
87) Benzo(b)fluoranthene	24.11	252	28663m	42.85	ng	
88) Benzo(k)fluoranthene	24.16	252	19952m	31.62	ng	
89) Benzo(a)pyrene	25.02	252	14939m	24.93	ng	
91) Benzo(g,h,i)perylene	30.17	276	6181m	11.48	ng	

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

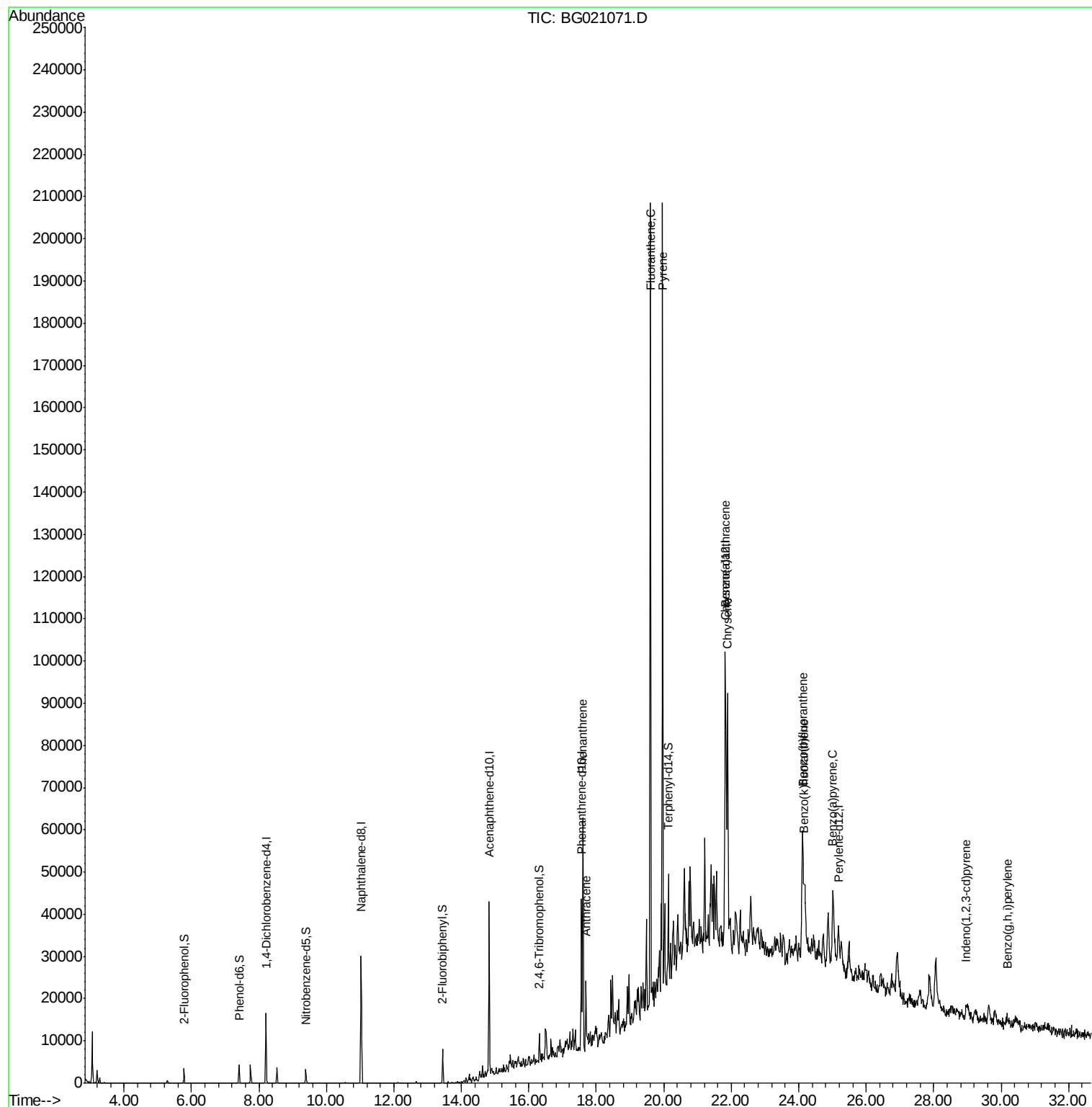
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG022416\
Data File : BG021071.D
Acq On : 25 Feb 2016 3:50
Operator : UM/SJ
Sample : H1557-02 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

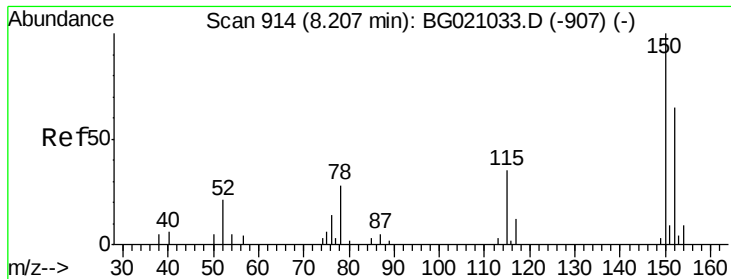
Instrument :
BNA_G
ClientSampleId :
P-10

Manual Integrations
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2/25/2016 2:40:43 PM

Quant Time: Mar 03 11:37:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG022316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 24 00:35:06 2016
Response via : Initial Calibration





#1

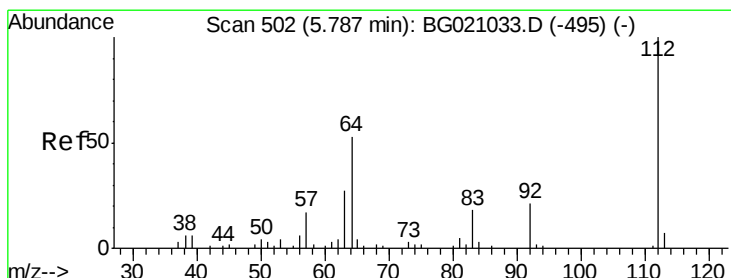
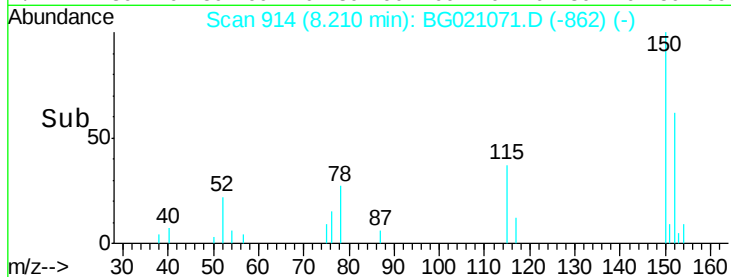
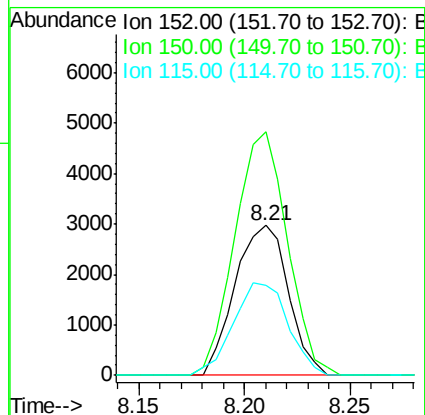
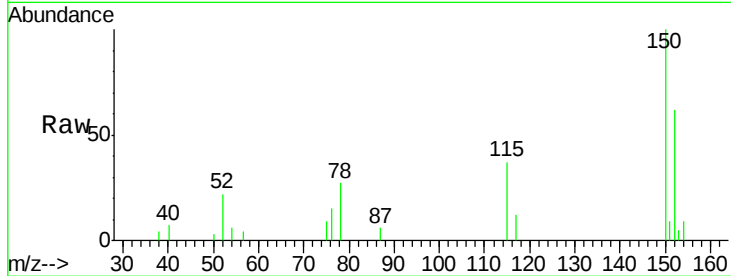
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. 0.00 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Instrument :
BNA_G
ClientSampled :
P-10

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.3	123.4	185.2
115	60.2	43.3	64.9

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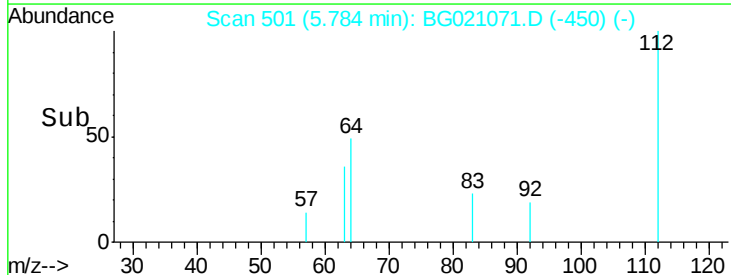
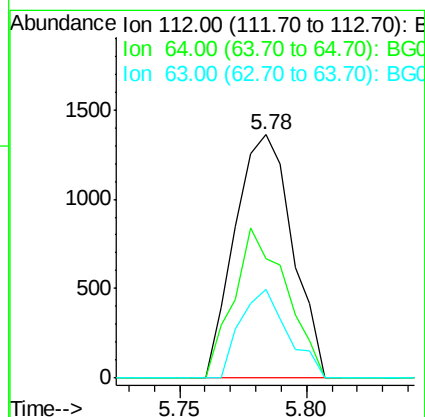
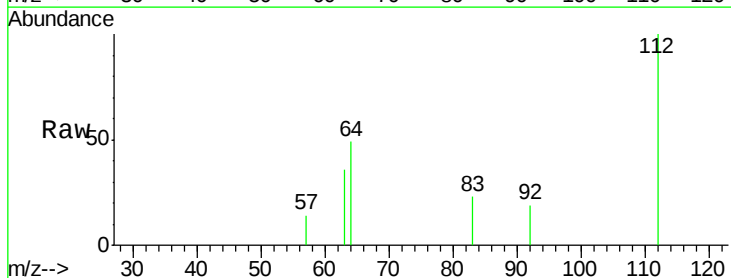
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#5

2-Fluorophenol
Concen: 7.23 ng
RT: 5.78 min Scan# 501
Delta R.T. -0.00 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.8	42.6	63.8
63	36.4	21.7	32.5





#7

Phenol-d6

Concen: 7.84 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG021071.D

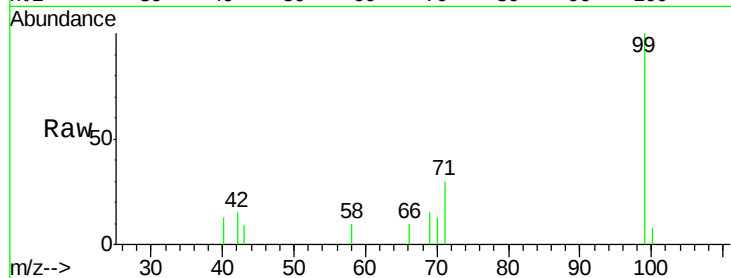
Acq: 25 Feb 2016 3:50

Instrument :

BNA_G

ClientSampleId :

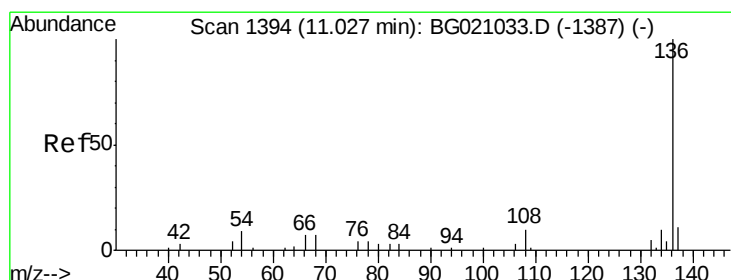
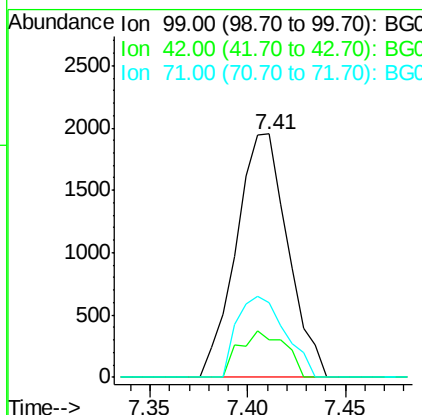
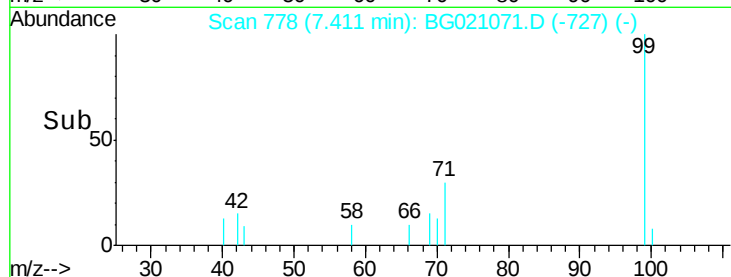
P-10



Tgt Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.2	19.8
71	30.5	25.2	37.8

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#21

Naphthalene-d8

Concen: 20.00 ng

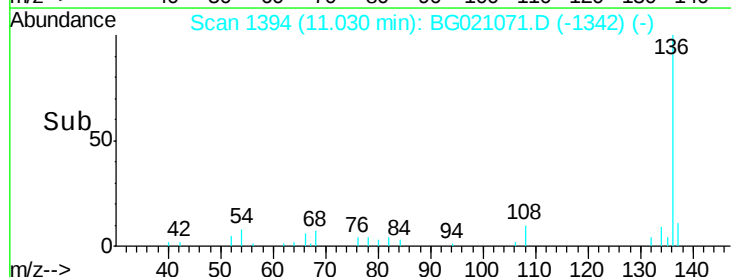
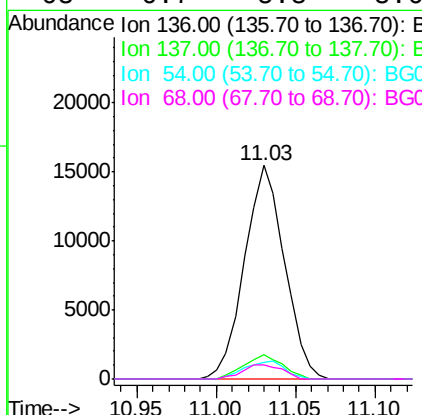
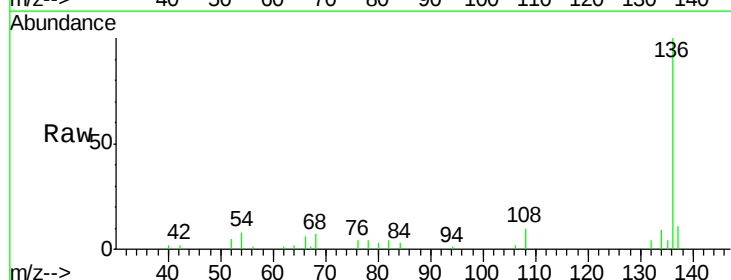
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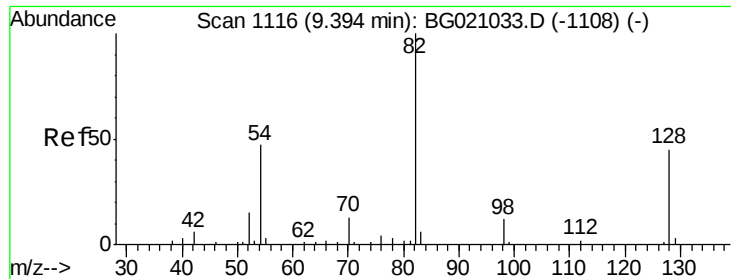
Delta R.T. 0.00 min

Lab File: BG021071.D

Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.1	6.9	10.3
68	6.7	5.8	8.6





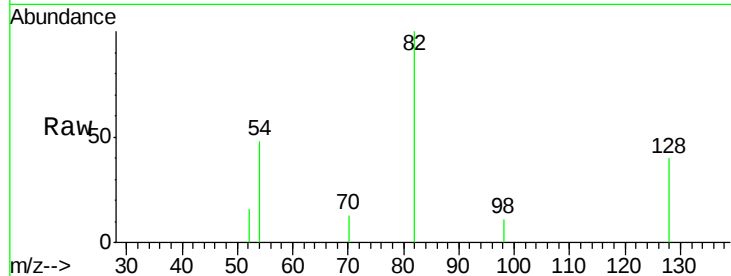
#23
 Nitrobenzene-d5
 Concen: 5.37 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. -0.00 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Instrument :
 BNA_G
 ClientSampleId :
 P-10

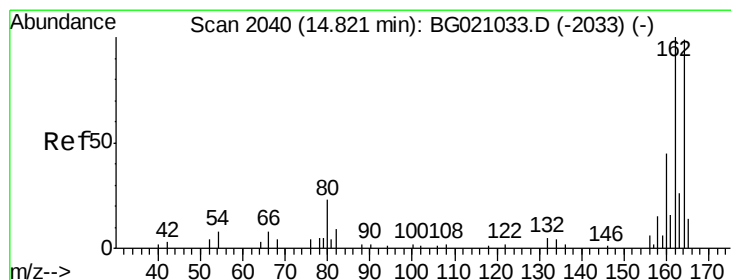
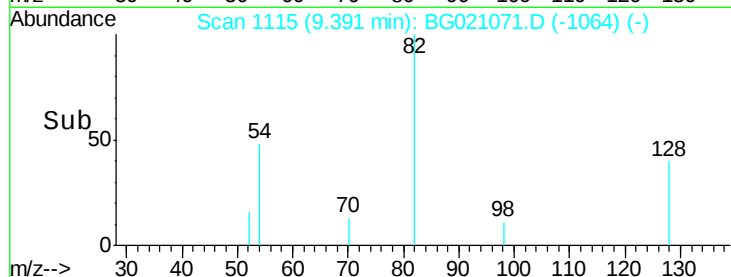
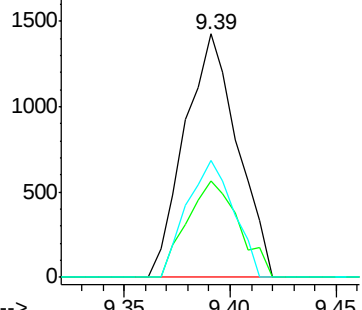
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.7	36.3	54.5
54	48.1	37.6	56.4

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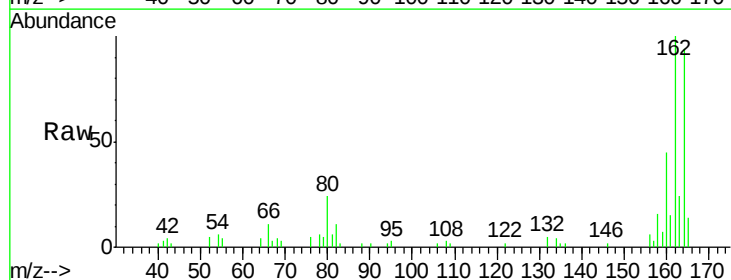


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

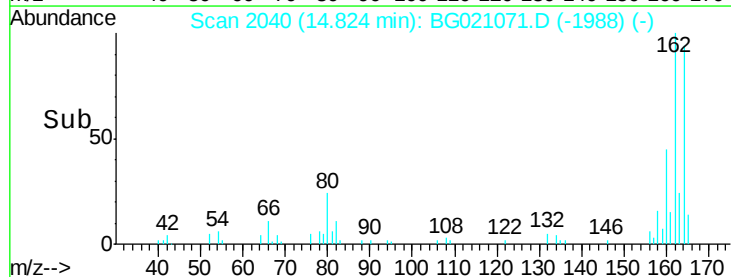
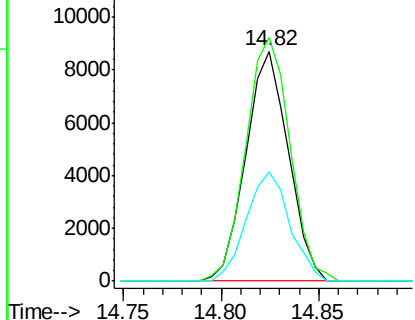


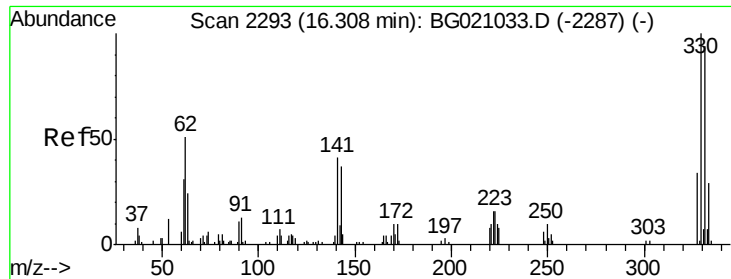
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.82 min Scan# 2040
 Delta R.T. 0.00 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	80.6	120.8
160	47.3	36.5	54.7



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





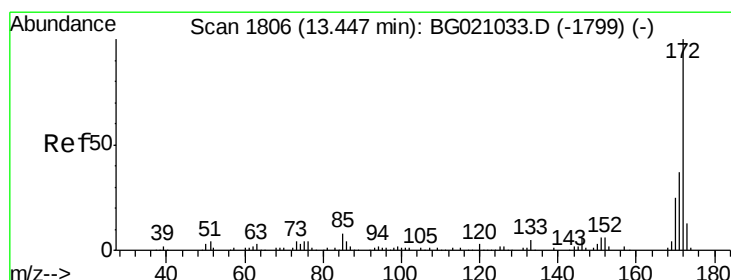
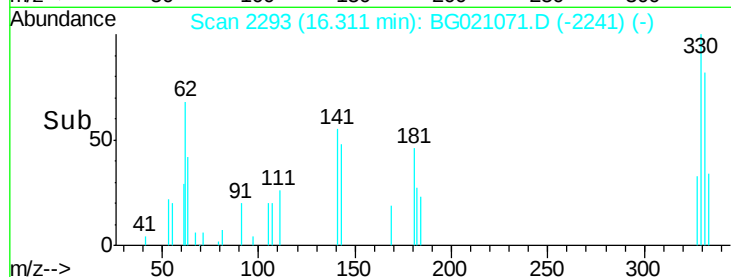
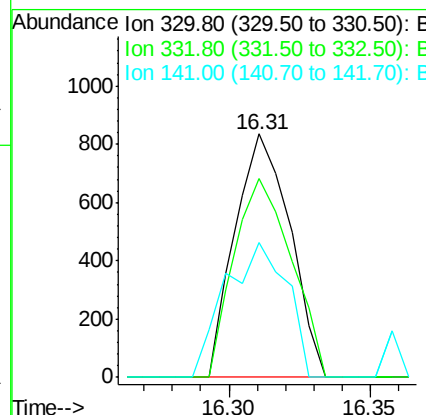
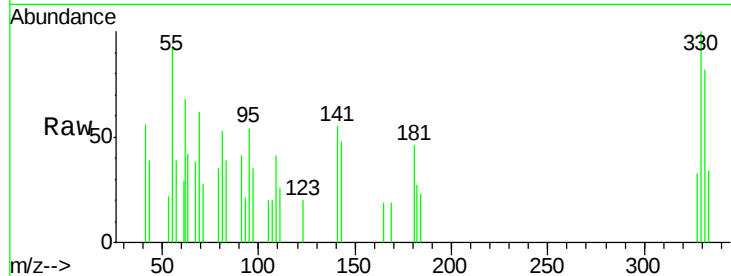
#41
 2,4,6-Tribromophenol
 Concen: 7.16 ng
 RT: 16.31 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Instrument :
 BNA_G
 ClientSampled :
 P-10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	85.4	77.4	116.0
141	62.0	35.3	52.9#

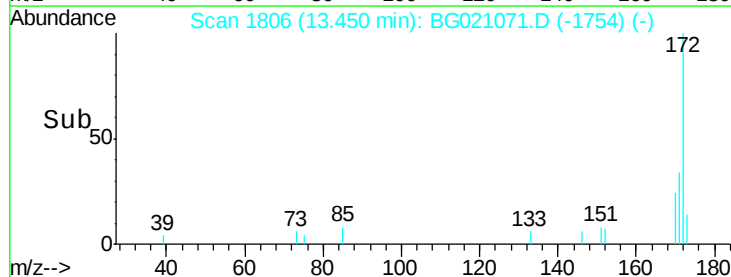
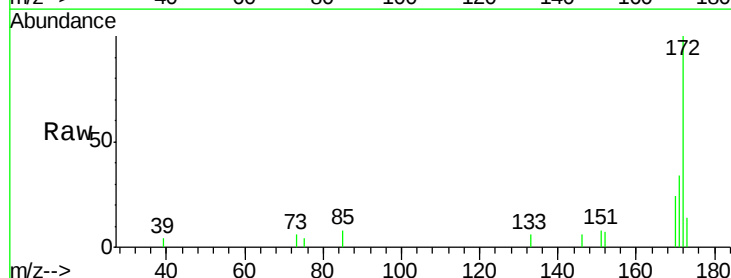
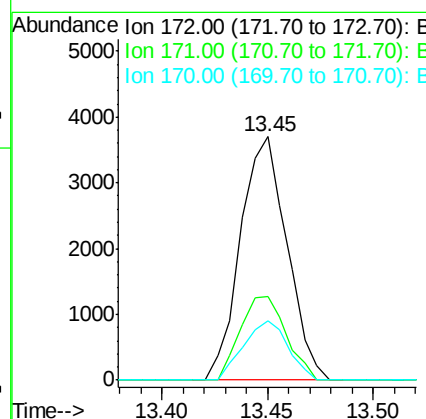
Manual Integrations
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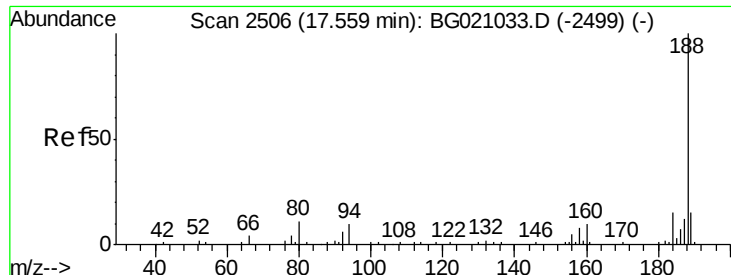
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#44
 2-Fluorobiphenyl
 Concen: 5.97 ng
 RT: 13.45 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.4	44.0
170	24.3	19.8	29.8





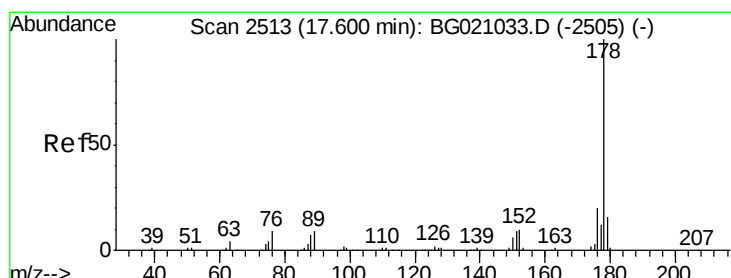
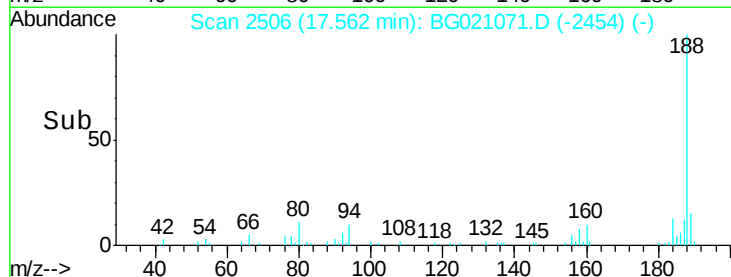
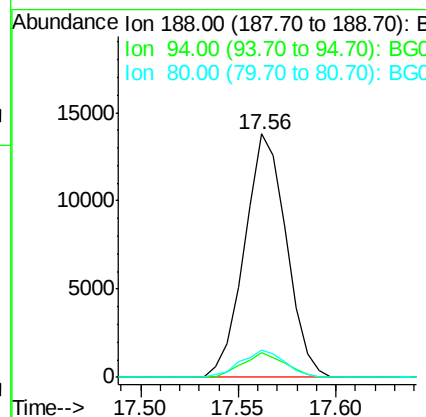
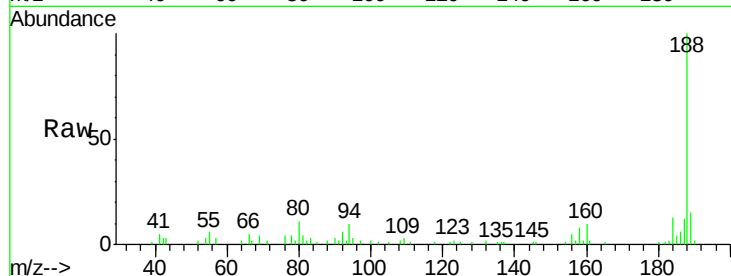
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Instrument :
 BNA_G
 ClientSampleId :
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Tgt Ion:	188	Resp:	20422
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.2	12.4
80	11.2	9.2	13.8

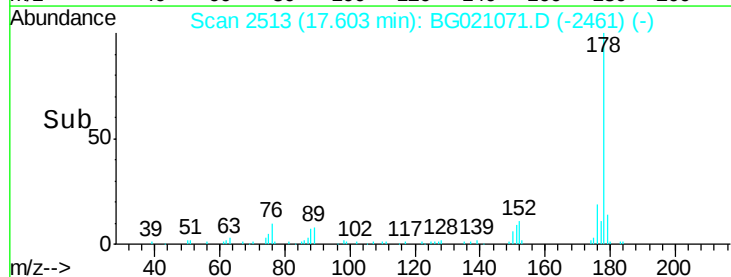
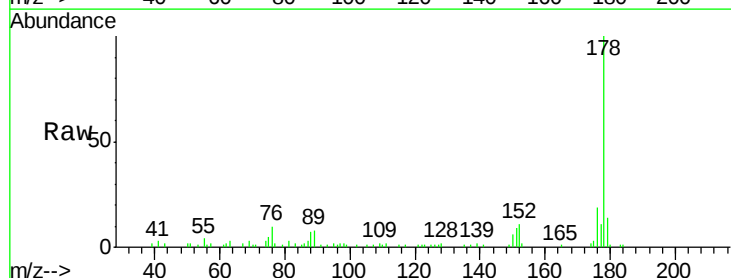
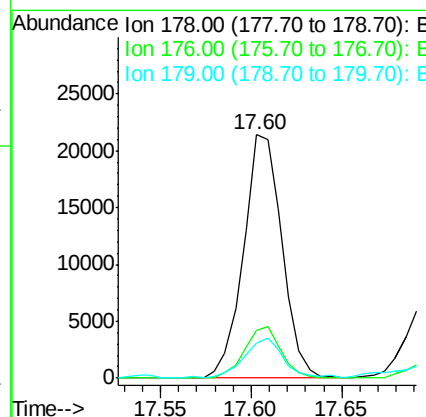
Manual Integrations
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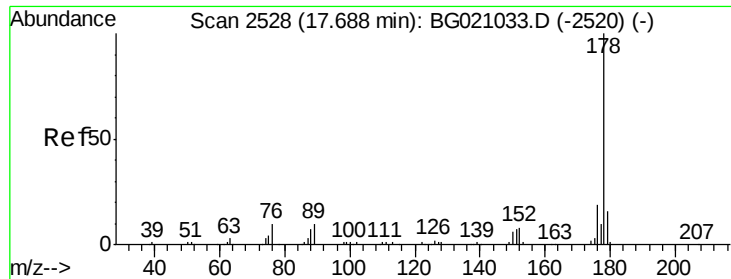
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#70
 Phenanthrene
 Concen: 27.32 ng
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Tgt Ion:	178	Resp:	31564
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.2	24.4
179	14.1	12.9	19.3





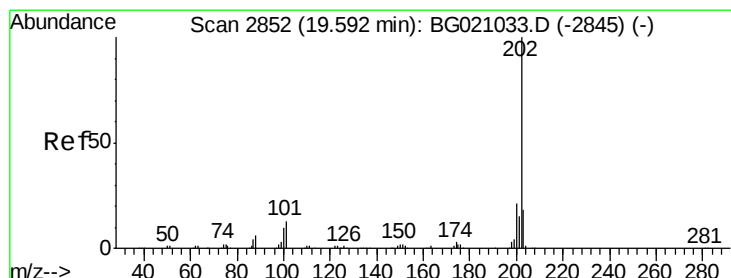
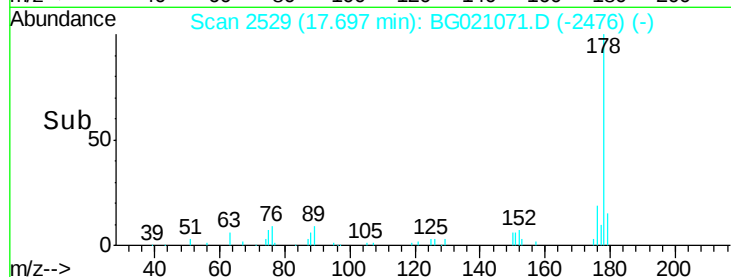
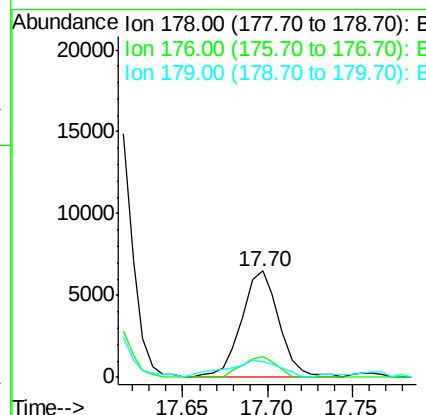
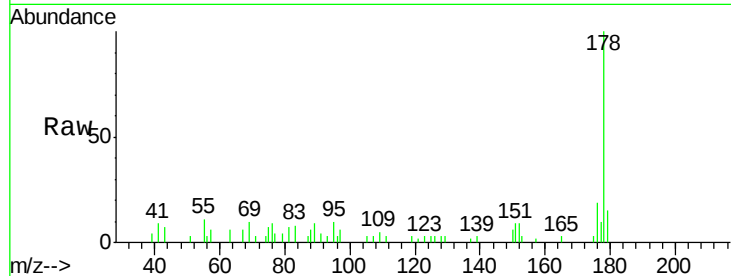
#71
 Anthracene
 Concen: 8.81 ng
 RT: 17.70 min Scan# 2529
 Delta R.T. 0.01 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Instrument :
 BNA_G
 ClientSampled :
 P-10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	15.1	12.6	19.0

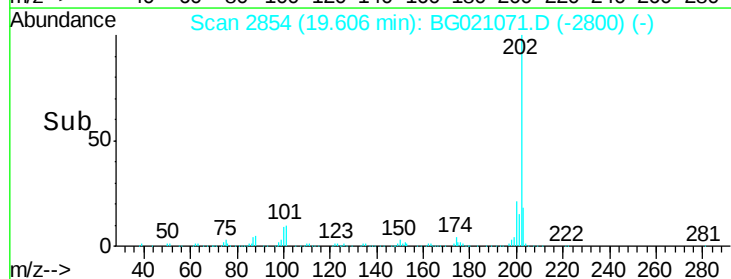
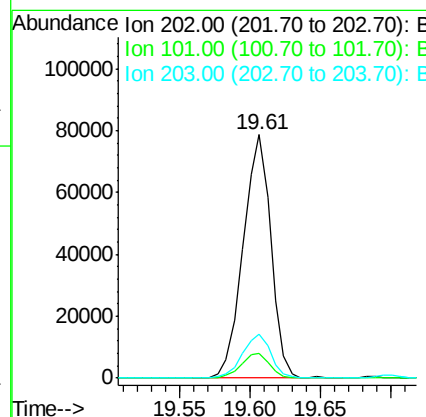
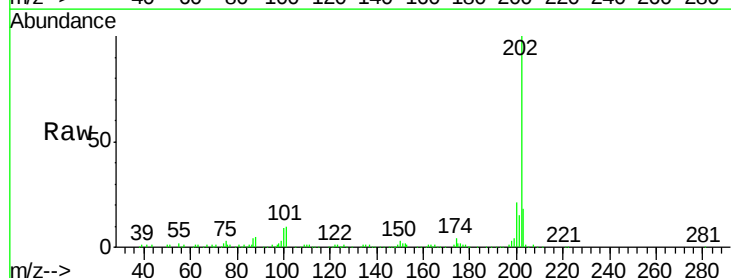
Manual Integrations
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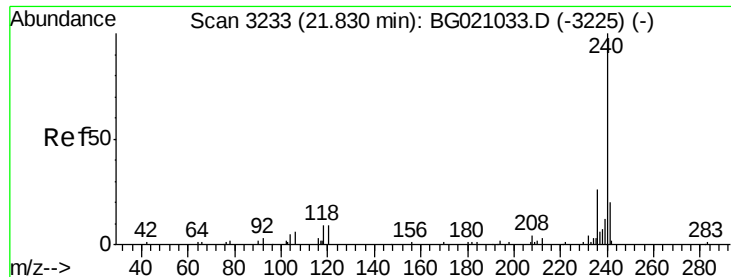
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#74
 Fluoranthene
 Concen: 92.91 ng
 RT: 19.61 min Scan# 2854
 Delta R.T. 0.01 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	32.5
203	18.0	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.84 min Scan# 3234

Delta R.T. 0.01 min

Lab File: BG021071.D

Acq: 25 Feb 2016 3:50

Instrument :

BNA_G

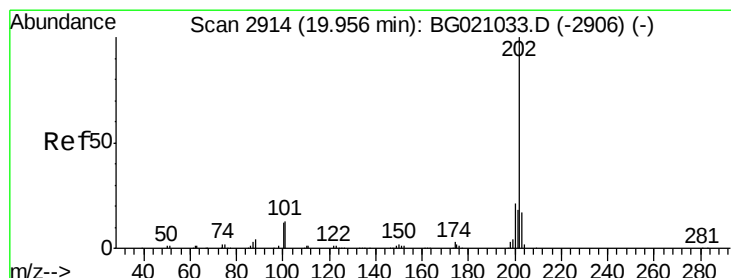
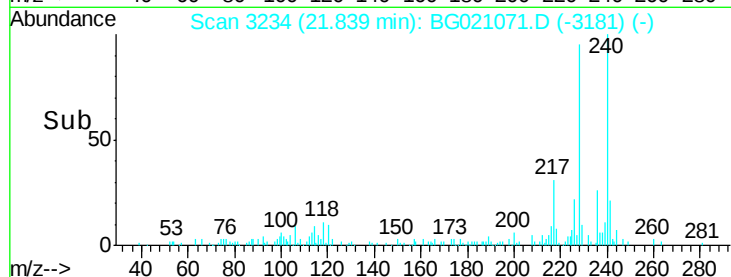
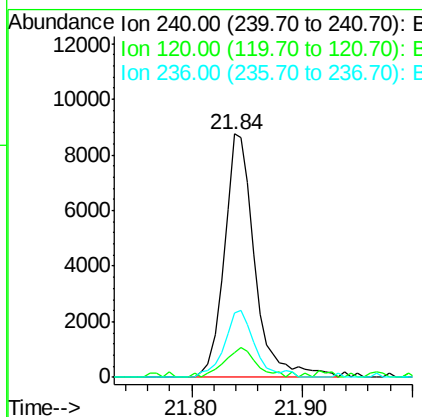
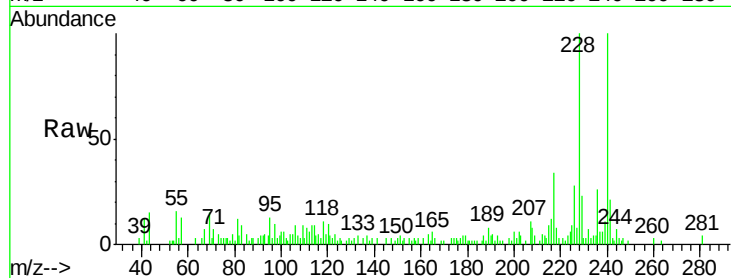
ClientSampleId :

P-10

Tgt Ion:	240	Resp:	16780
Ion Ratio	Lower	Upper	
240	100		
120	10.4	7.5	11.3
236	26.2	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 55.07 ng

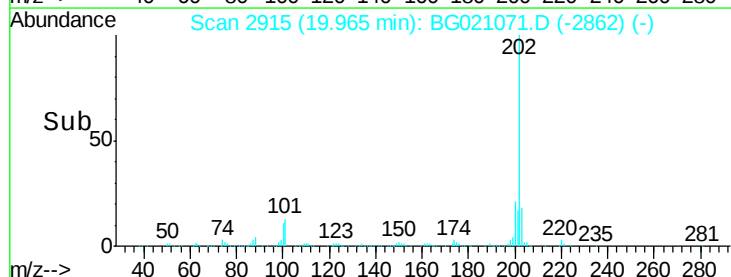
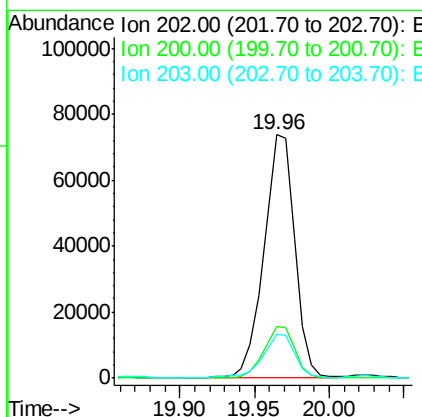
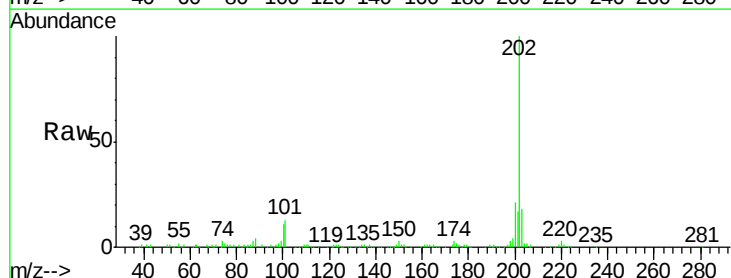
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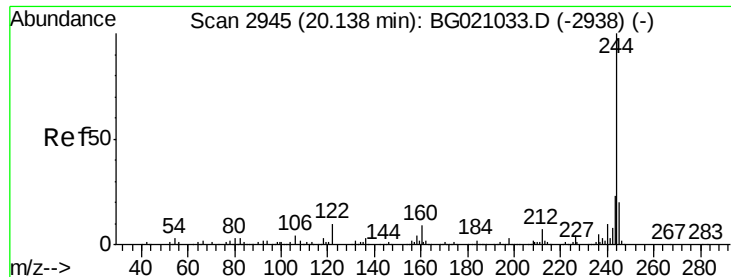
Delta R.T. 0.01 min

Lab File: BG021071.D

Acq: 25 Feb 2016 3:50

Tgt Ion:	202	Resp:	105579
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	25.0
203	18.2	13.8	20.8





#78

Terphenyl-d14

Concen: 3.19 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG021071.D

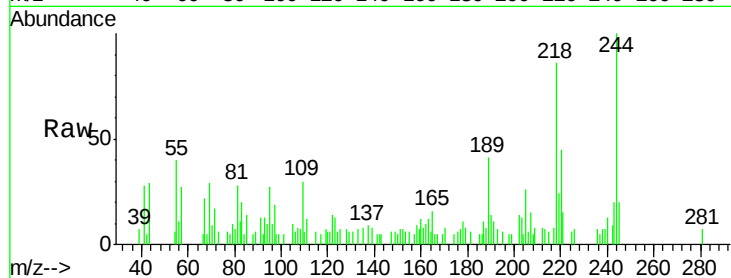
Acq: 25 Feb 2016 3:50

Instrument :

BNA_G

ClientSampleId :

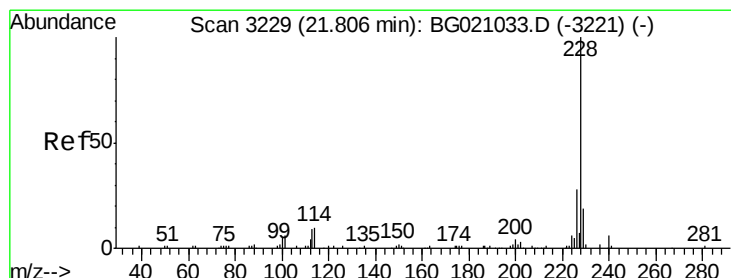
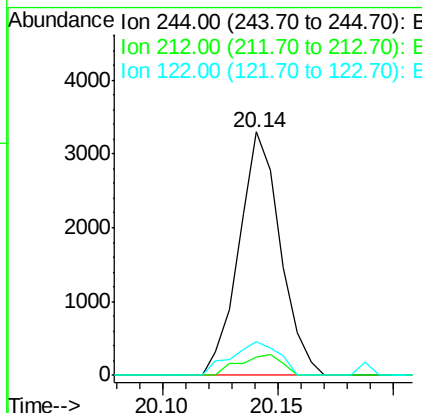
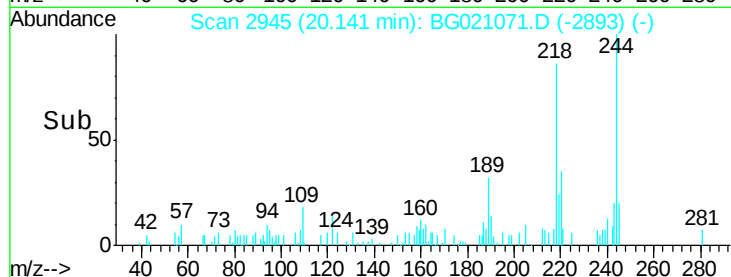
P-10



Tgt Ion:	244	Resp:	4130
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.8	8.6
122	14.0	8.3	12.5#

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#80

Benzo(a)anthracene

Concen: 41.06 ng m

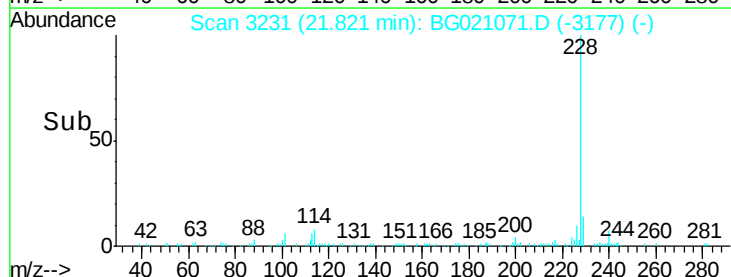
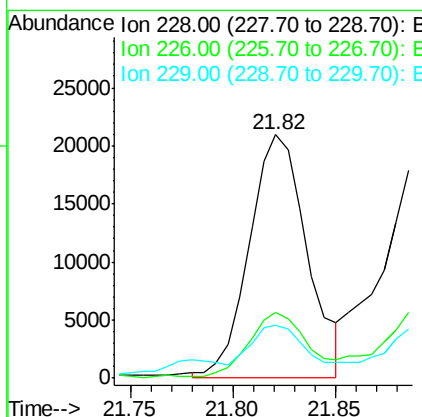
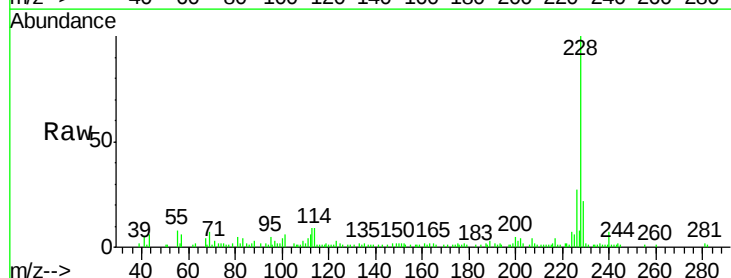
RT: 21.82 min Scan# 3231

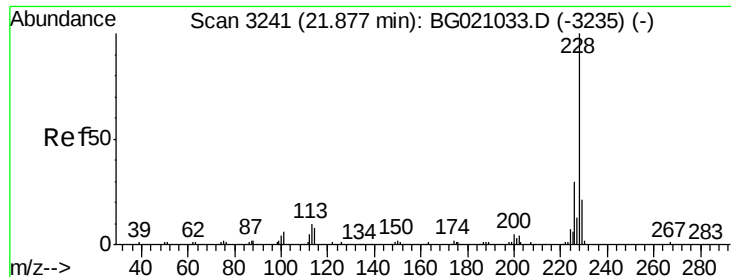
Delta R.T. 0.01 min

Lab File: BG021071.D

Acq: 25 Feb 2016 3:50

Tgt Ion:	228	Resp:	41317
Ion Ratio	Lower	Upper	
228	100		
226	27.1	22.7	34.1
229	21.5	15.5	23.3





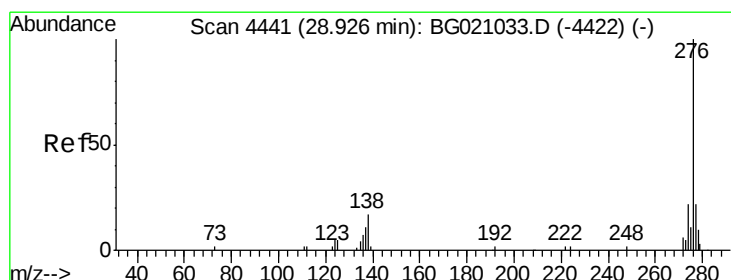
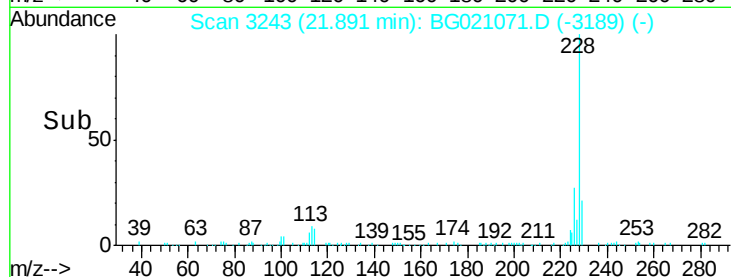
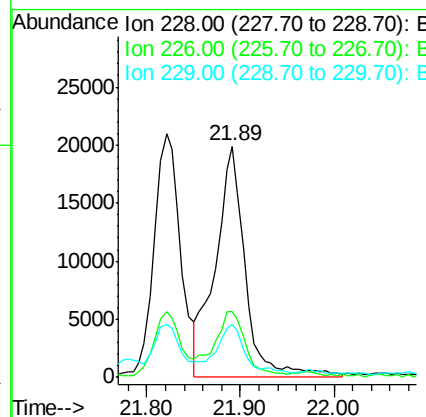
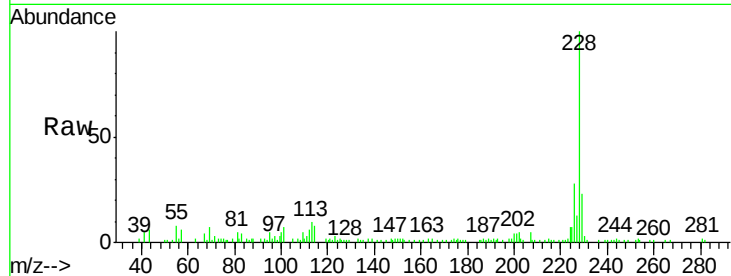
#82
Chrysene
Concen: 47.97 ng m
RT: 21.89 min Scan# 3243
Delta R.T. 0.01 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Instrument :
BNA_G
ClientSampleId :
P-10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.7	35.5
229	23.2	16.7	25.1

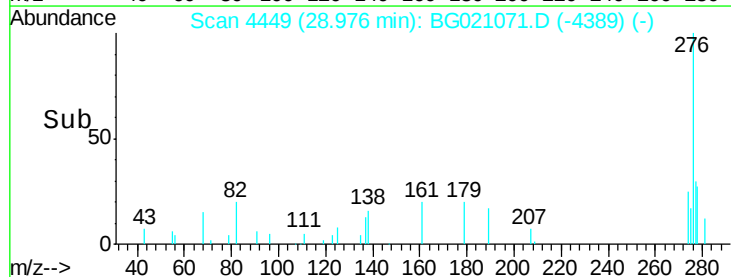
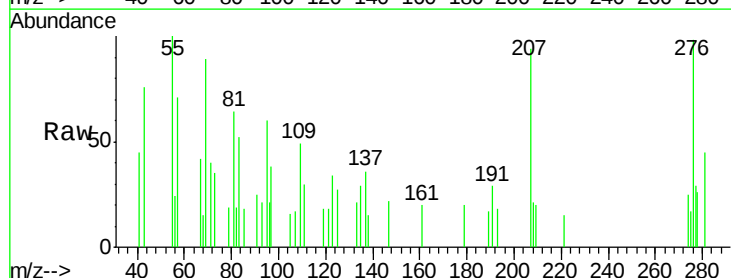
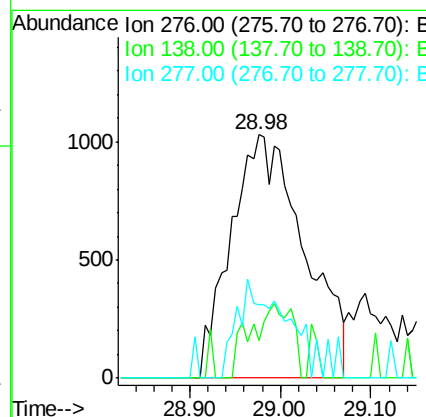
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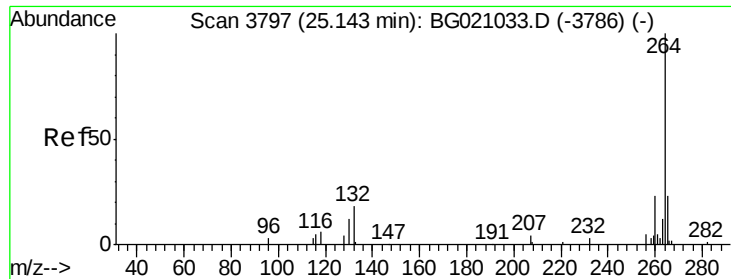
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.87 ng m
RT: 28.98 min Scan# 4449
Delta R.T. 0.05 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.0	0.0	0.0
277	0.0	0.0	0.0





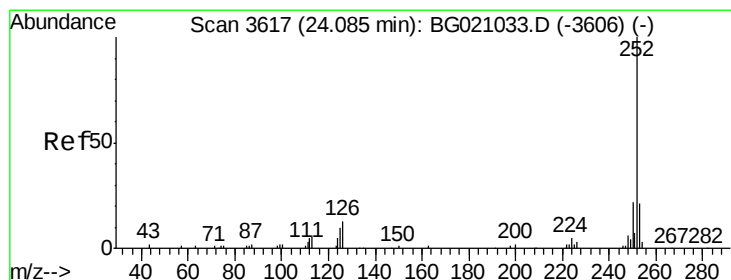
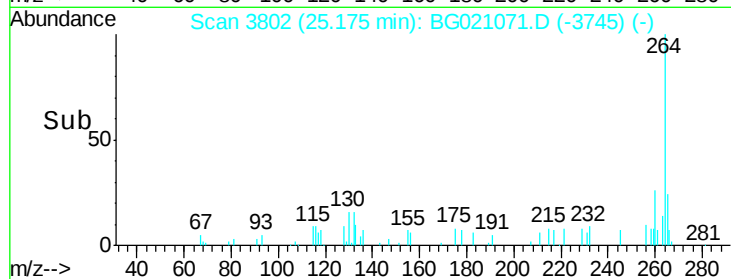
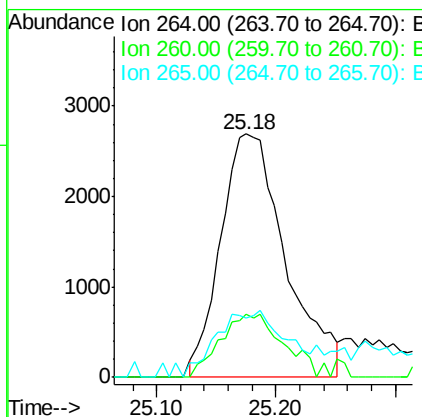
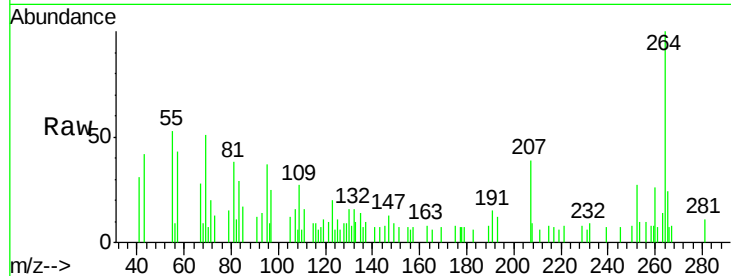
#86
Perylene-d12
Concen: 20.00 ng m
RT: 25.18 min Scan# 3802
Delta R.T. 0.03 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Instrument :
BNA_G
ClientSampleId :
P-10

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	10145		
260	25.9	18.5	27.7	
265	24.2	18.6	28.0	

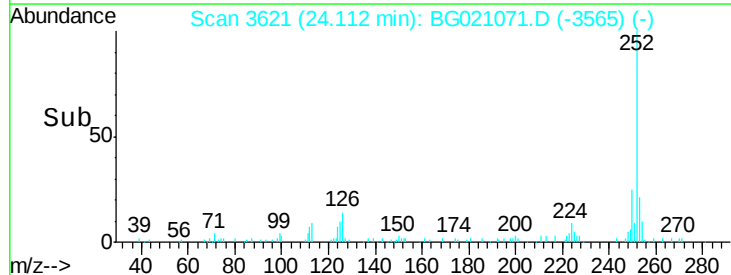
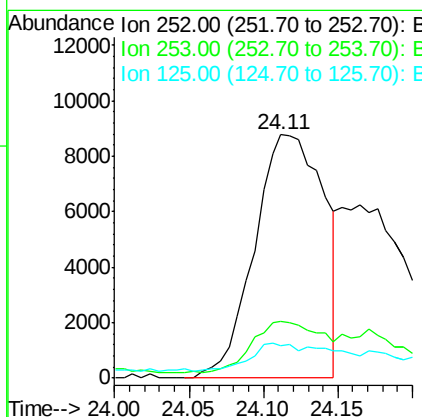
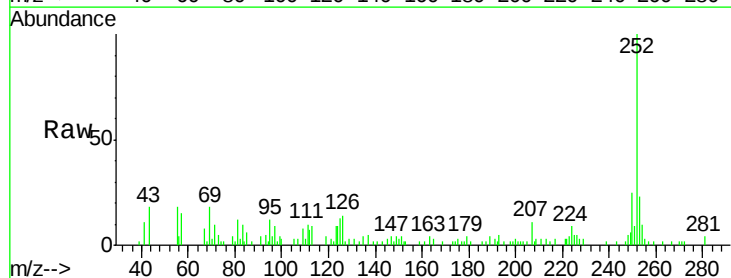
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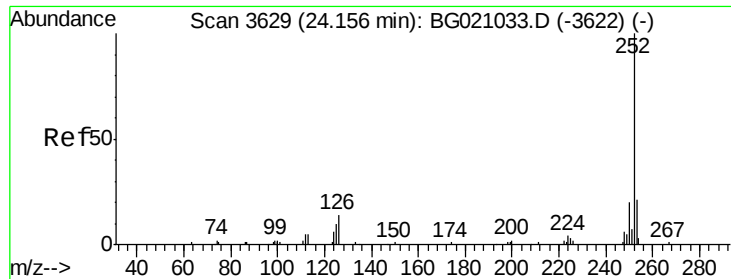
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#87
Benzo(b)fluoranthene
Concen: 42.85 ng m
RT: 24.11 min Scan# 3621
Delta R.T. 0.03 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	28663		
253	23.4	16.8	25.2	
125	13.2	8.2	12.2#	





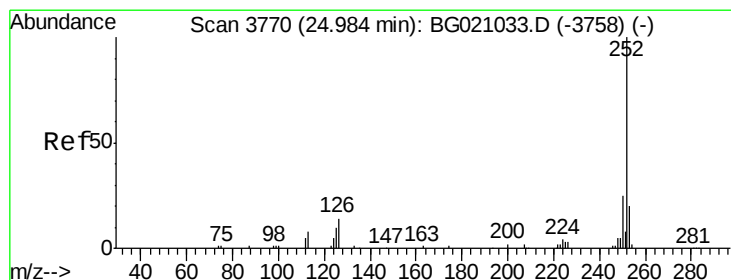
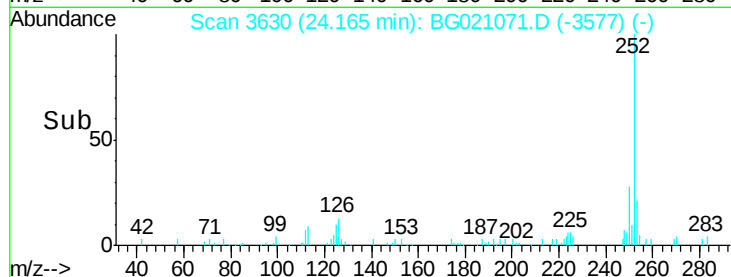
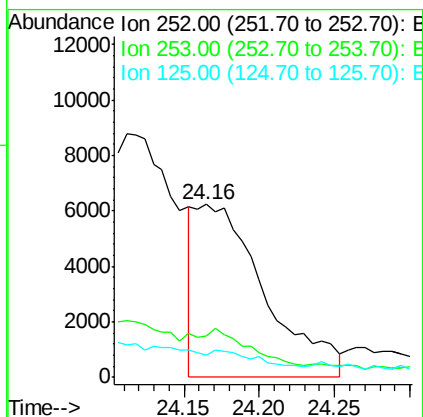
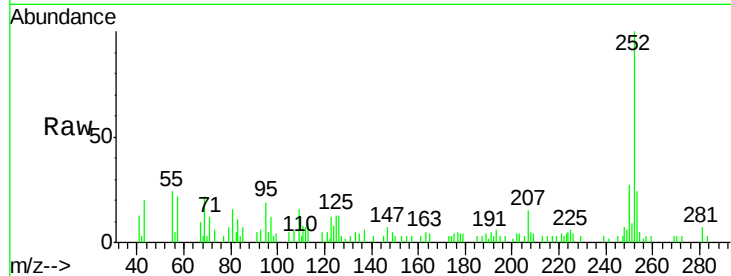
#88
Benzo(k)fluoranthene
Concen: 31.62 ng m
RT: 24.16 min Scan# 3630
Delta R.T. 0.01 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Instrument :
BNA_G
ClientSampleId :
P-10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.4	24.6
125	13.1	8.2	12.2#

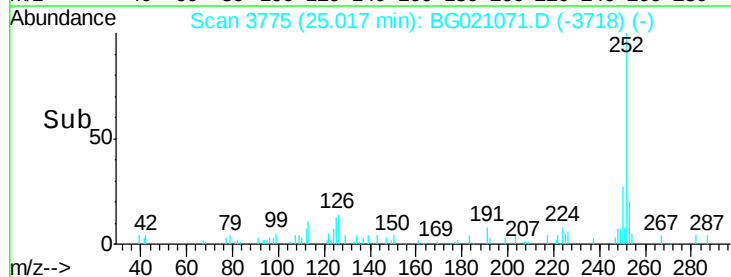
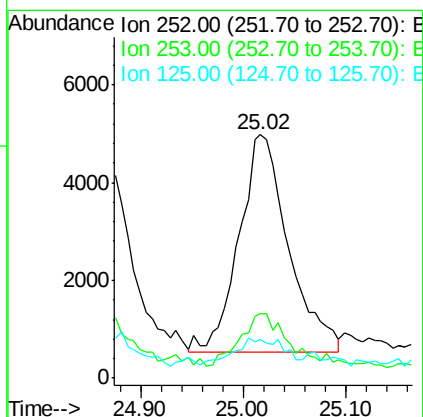
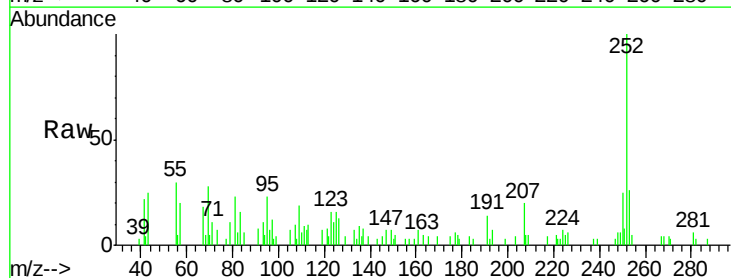
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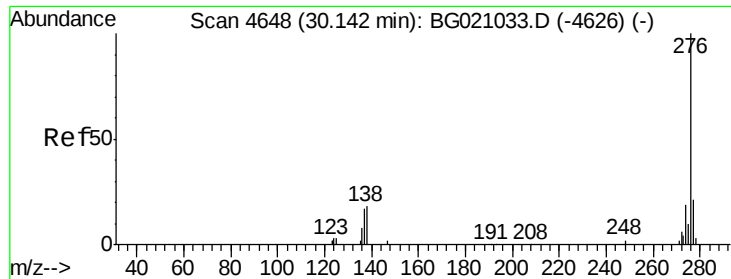
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#89
Benzo(a)pyrene
Concen: 24.93 ng m
RT: 25.02 min Scan# 3775
Delta R.T. 0.03 min
Lab File: BG021071.D
Acq: 25 Feb 2016 3:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	15.8	23.8#
125	15.9	8.4	12.6#





#91
 Benzo(g,h,i)perylene
 Concen: 11.48 ng m
 RT: 30.17 min Scan# 4653
 Delta R.T. 0.03 min
 Lab File: BG021071.D
 Acq: 25 Feb 2016 3:50

Instrument :
 BNA_G
 ClientSampleId :
 P-10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	16.6	25.0#
138	27.1	14.6	21.8#

Manual Integrations
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