

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
 Data File : BG021059.D
 Acq On : 24 Feb 2016 19:52
 Operator : UM/SJ
 Sample : H1520-19
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 40050+15(0-2)

Manual Integrations
 APPROVED

Sohil
 2/25/2016 2:40:15 PM

Quant Time: Feb 25 00:31:27 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	4131	20.00	ng	0.00
21) Naphthalene-d8	11.03	136	22542	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	12376	20.00	ng	0.00
63) Phenanthrene-d10	17.55	188	23526	20.00	ng	0.00
75) Chrysene-d12	21.82	240	17537	20.00	ng	0.00
86) Perylene-d12	25.14	264	17182	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	39632	168.20	ng	-0.01
7) Phenol-d6	7.41	99	61856	170.46	ng	0.00
23) Nitrobenzene-d5	9.39	82	39837	103.76	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	22064	148.82	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	83247	93.64	ng	0.00
78) Terphenyl-d14	20.14	244	70612	52.25	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	9.01	107	1258	3.52	ng	94
49) Dimethylphthalate	14.27	163	17274	17.12	ng	98
51) Acenaphthene	14.88	154	2320	2.94	ng	96
70) Phenanthrene	17.60	178	25293	19.01	ng	99
71) Anthracene	17.69	178	6007	4.53	ng	98
74) Fluoranthene	19.59	202	29826	22.29	ng	98
77) Pyrene	19.95	202	22690	11.32	ng	98
80) Benzo(a)anthracene	21.80	228	9816	9.33	ng	96
82) Chrysene	21.87	228	8429	8.59	ng	95
87) Benzo(b)fluoranthene	24.09	252	11199m	9.89	ng	
88) Benzo(k)fluoranthene	24.15	252	3133	2.93	ng	# 92
89) Benzo(a)pyrene	24.98	252	7929	7.81	ng	# 94

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

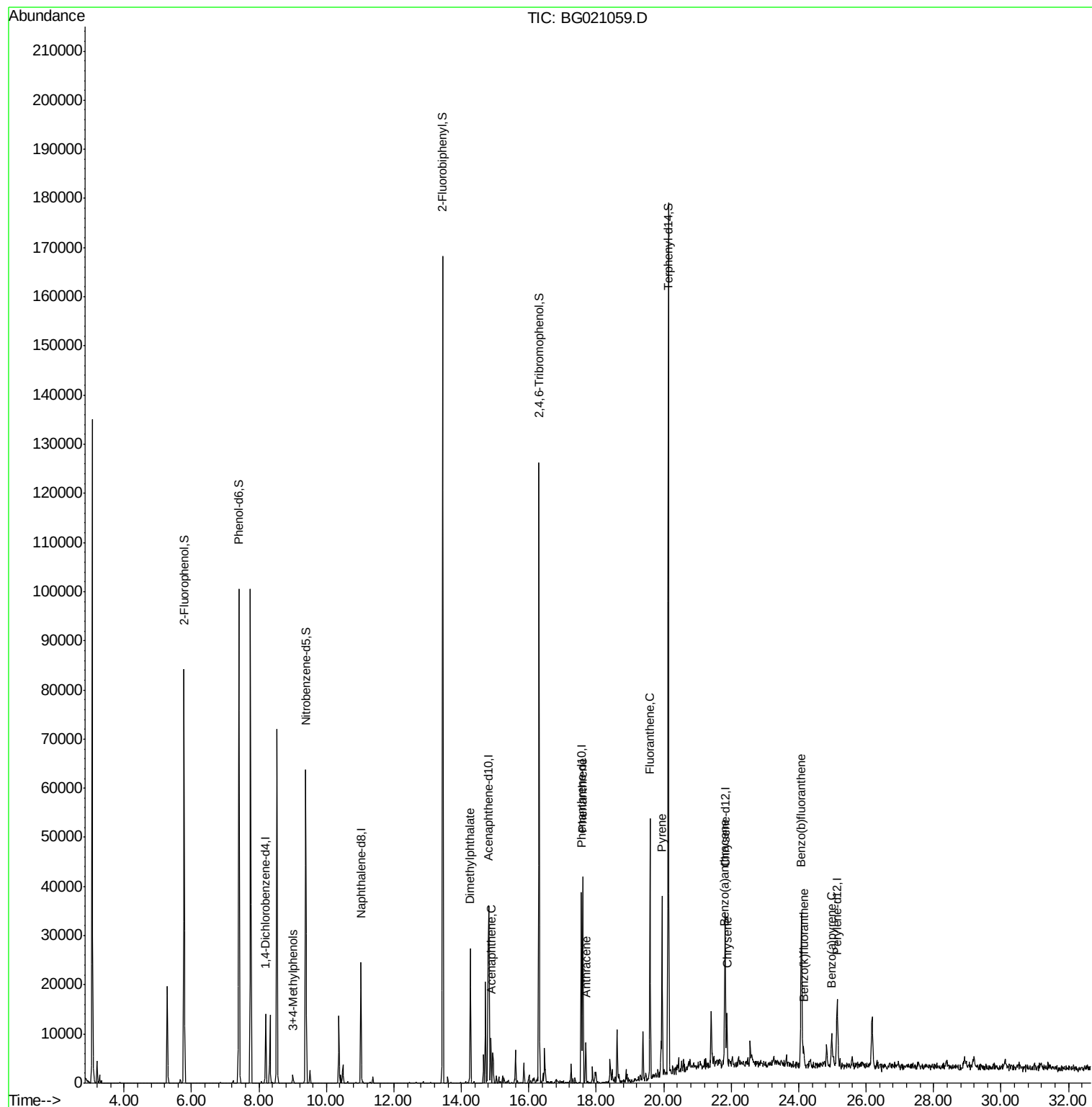
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
Data File : BG021059.D
Acq On : 24 Feb 2016 19:52
Operator : UM/SJ
Sample : H1520-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

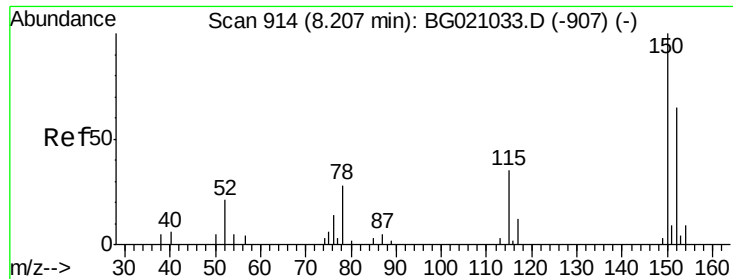
Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Manual Integrations
APPROVED

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#1

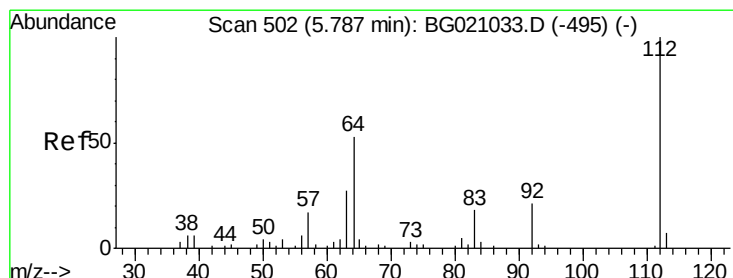
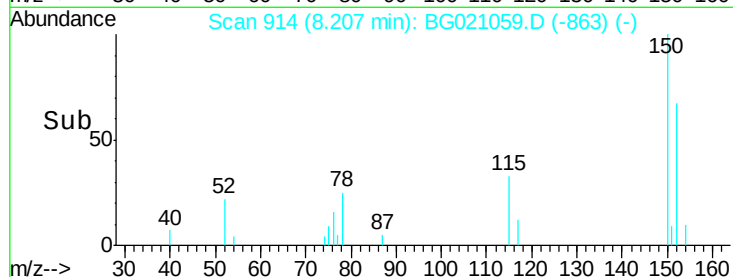
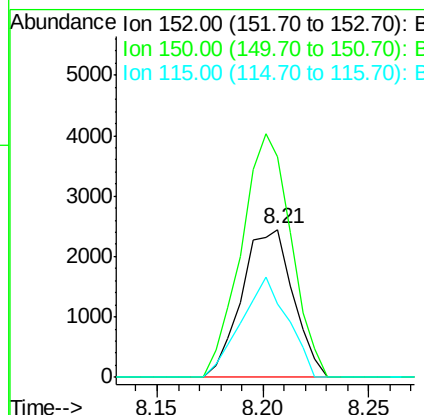
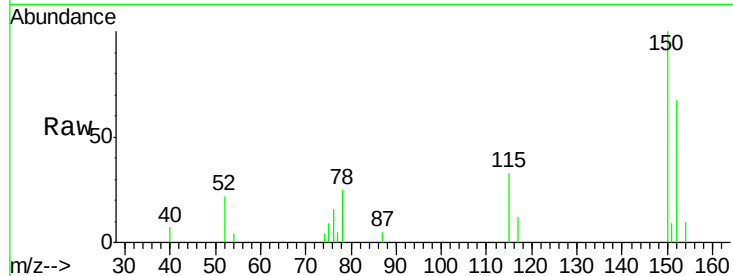
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 914
Delta R.T. 0.00 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.3	123.4	185.2
115	49.8	43.3	64.9

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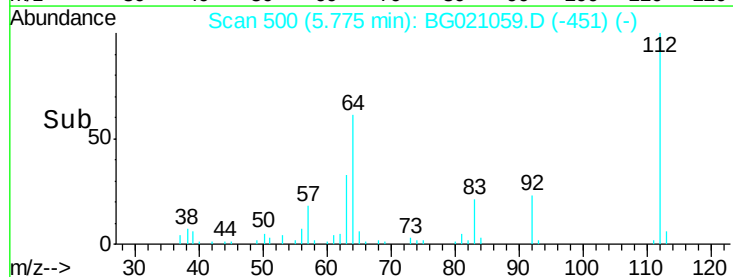
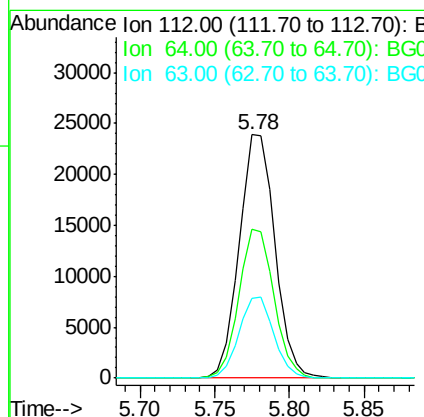
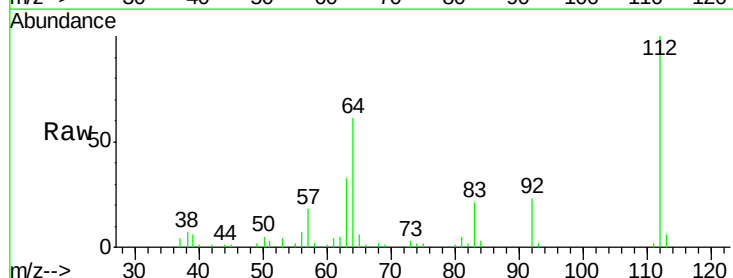
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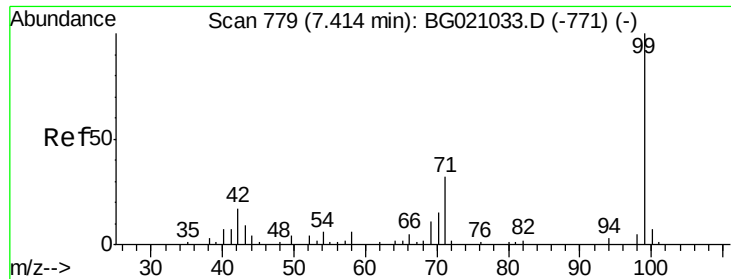


#5

2-Fluorophenol
Concen: 168.20 ng
RT: 5.78 min Scan# 500
Delta R.T. -0.01 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	42.6	63.8
63	32.8	21.7	32.5





#7

Phenol-d6

Concen: 170.46 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Instrument :

BNA_G

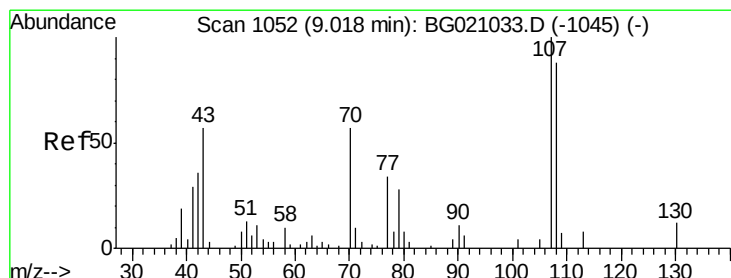
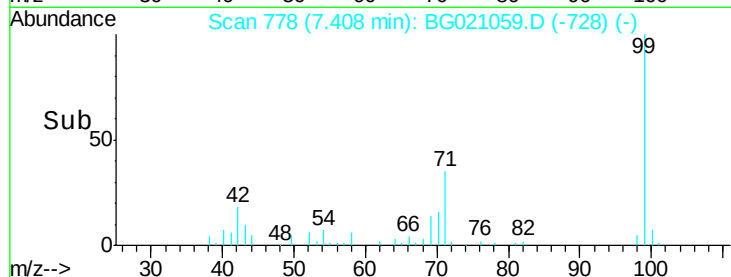
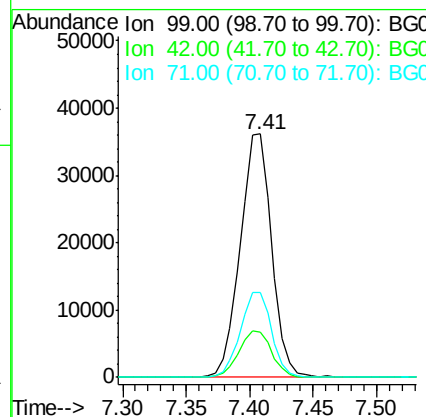
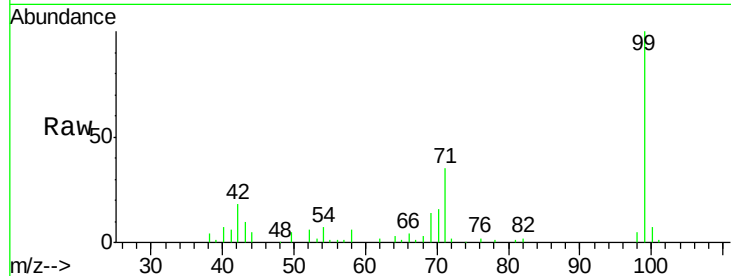
ClientSampleId :

40050+15(0-2)

Tot Ion:	99	Resp:	61856
Ion	Ratio	Lower	Upper
99	100		
42	18.4	13.2	19.8
71	34.9	25.2	37.8

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#20

3+4-Methylphenols

Concen: 3.52 ng

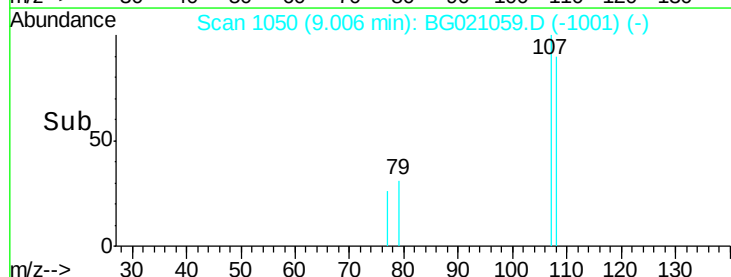
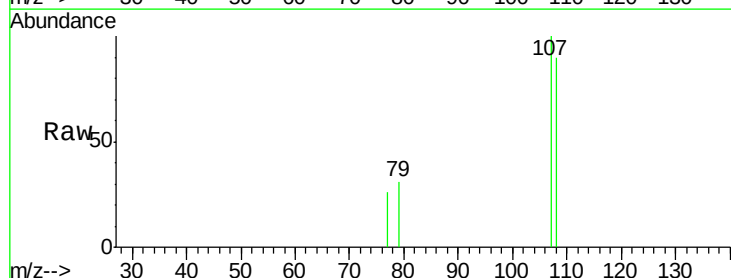
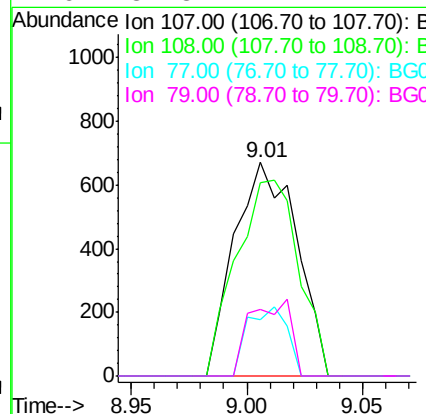
RT: 9.01 min Scan# 1050

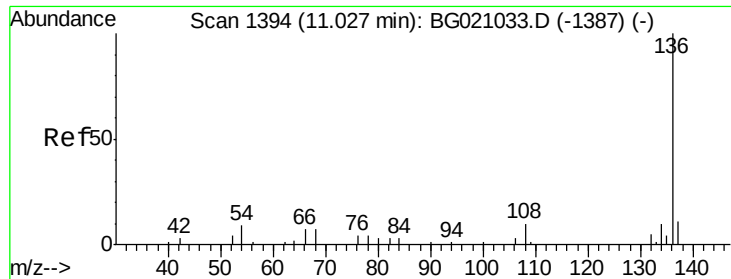
Delta R.T. -0.01 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Tgt Ion:	107	Resp:	1258
Ion	Ratio	Lower	Upper
107	100		
108	90.5	67.6	107.6
77	26.2	14.4	54.4
79	31.3	7.7	47.7





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.03 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Instrument :

BNA_G

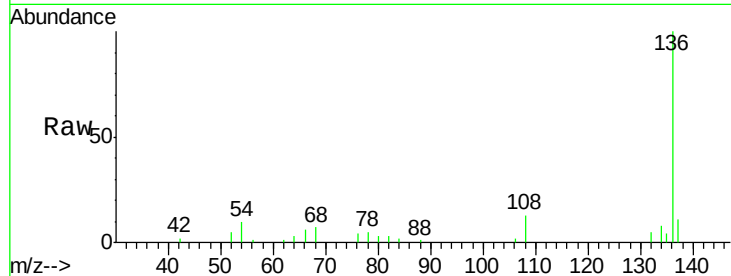
ClientSampleId :

40050+15(0-2)

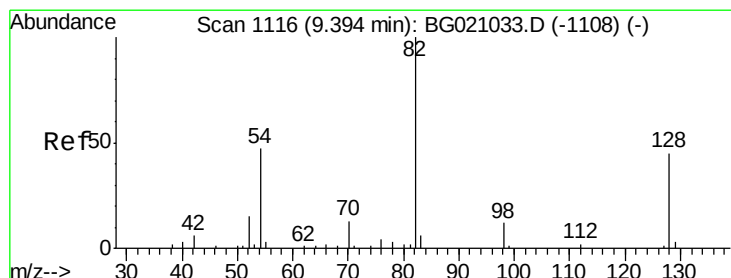
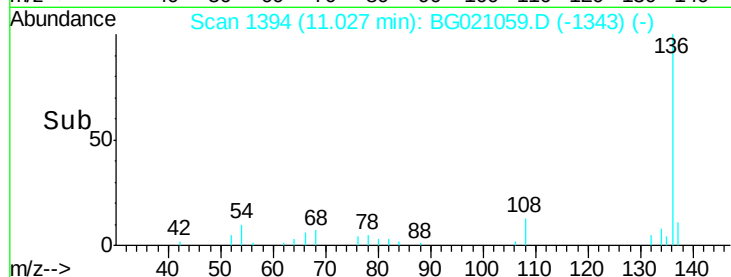
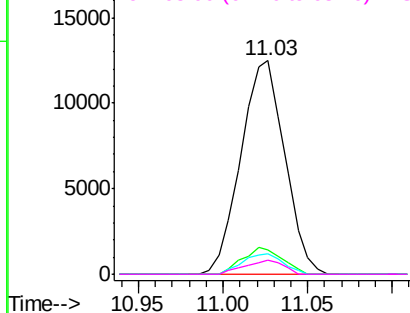
Tot Ion	Ratio	Resp	Lower	Upper
136	100	22542		
137	11.2		8.8	13.2
54	9.5		6.9	10.3
68	6.7		5.8	8.6

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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: 103.76 ng

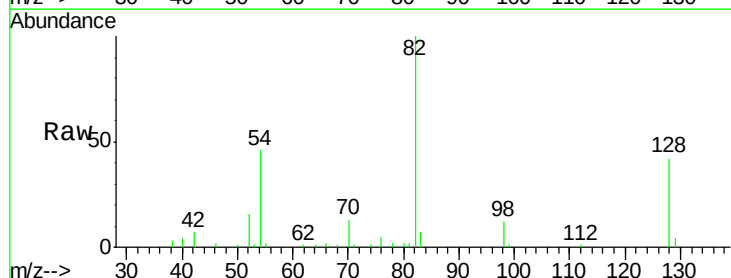
RT: 9.39 min Scan# 1115

Delta R.T. -0.01 min

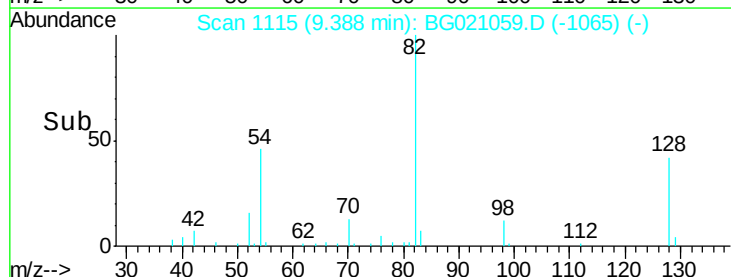
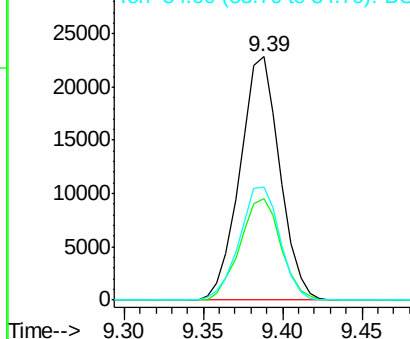
Lab File: BG021059.D

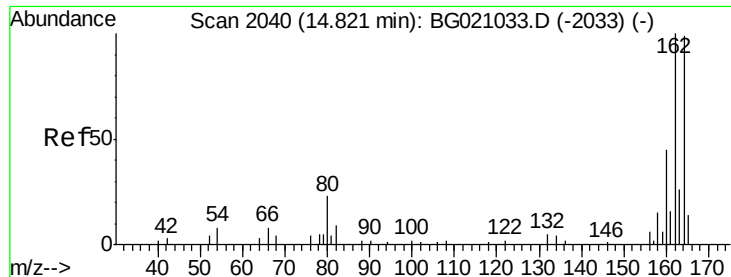
Acq: 24 Feb 2016 19:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	39837		
128	41.6		36.3	54.5
54	46.5		37.6	56.4



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# 2039

Delta R.T. -0.01 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Instrument :

BNA_G

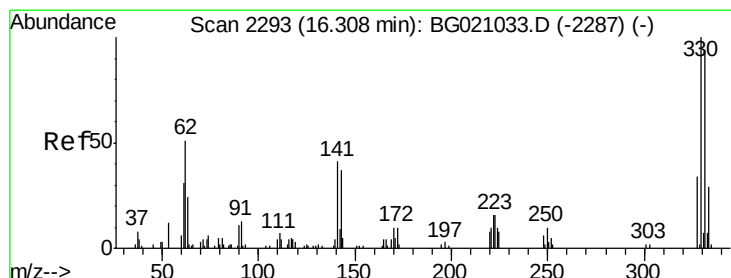
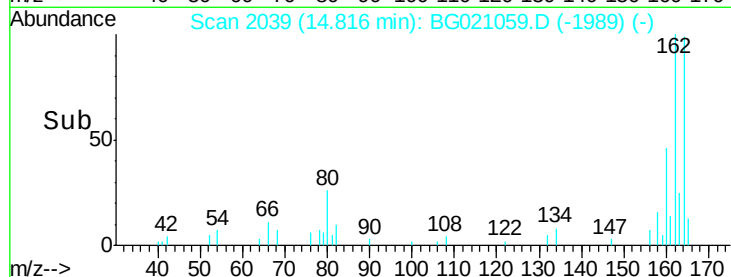
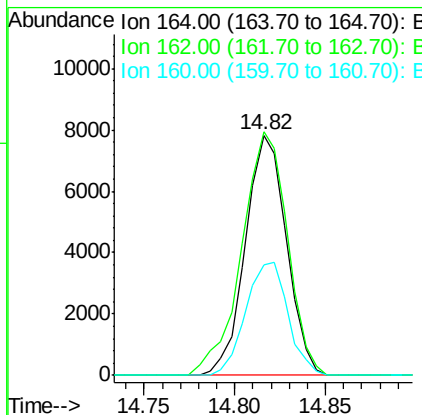
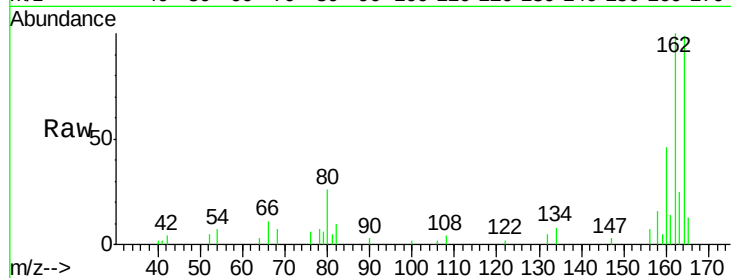
ClientSampleId :

40050+15(0-2)

Tot Ion:	164	Resp:	12376
Ion Ratio	Lower	Upper	
164	100		
162	101.4	80.6	120.8
160	46.3	36.5	54.7

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 148.82 ng

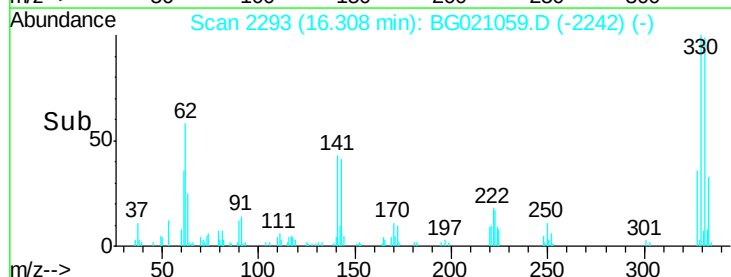
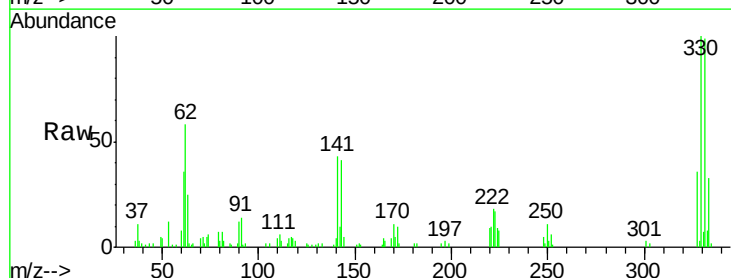
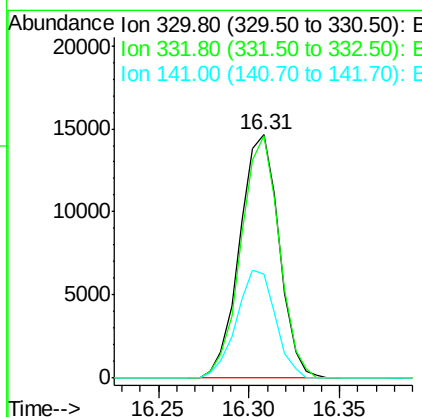
RT: 16.31 min Scan# 2293

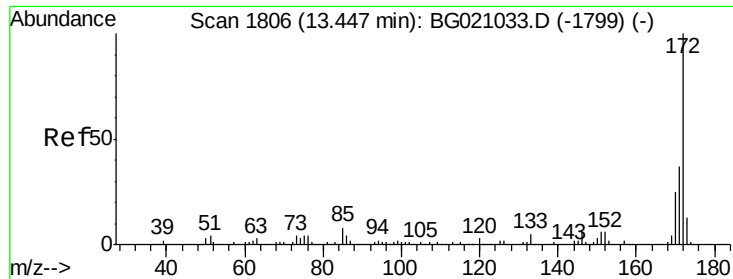
Delta R.T. 0.00 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Tgt Ion:	330	Resp:	22064
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.4	116.0
141	43.8	35.3	52.9





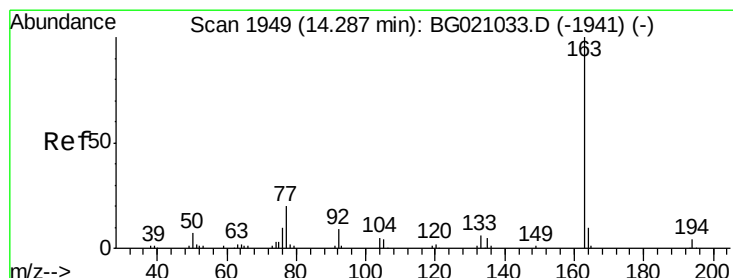
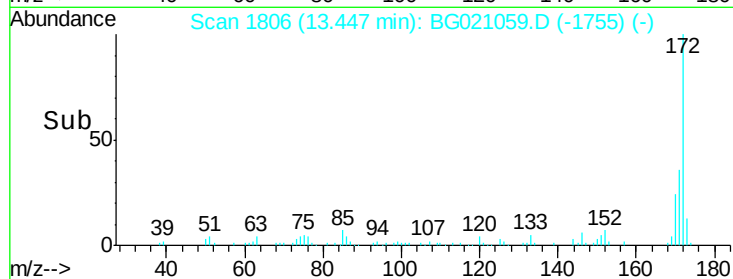
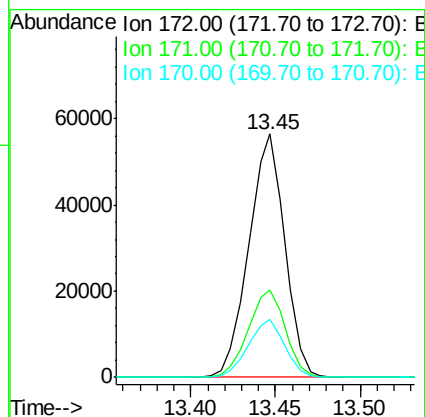
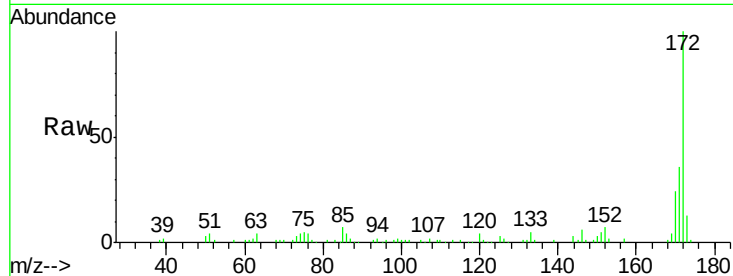
#44
2-Fluorobiphenyl
Concen: 93.64 ng
RT: 13.45 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	23.9	19.8	29.8

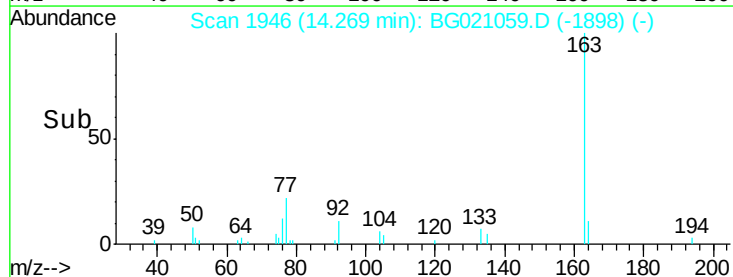
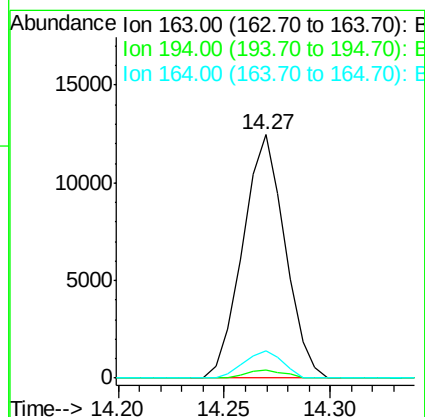
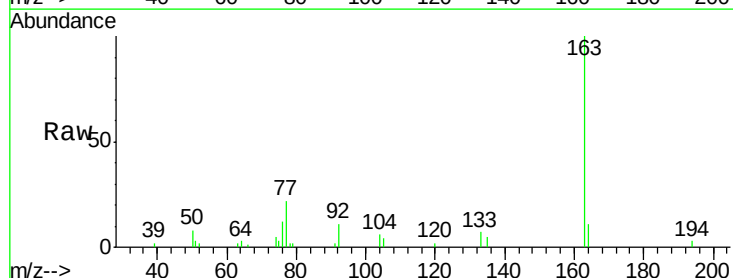
Manual Integrations
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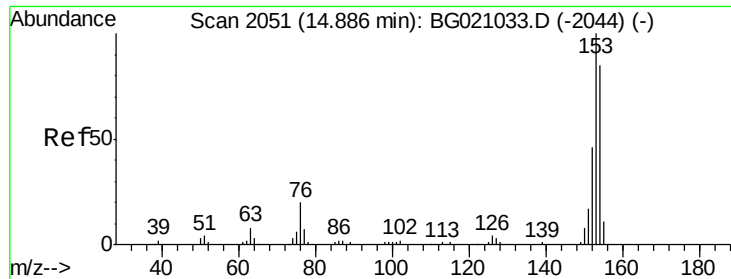
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#49
Dimethylphthalate
Concen: 17.12 ng
RT: 14.27 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	11.0	7.9	11.9





#51

Acenaphthene

Concen: 2.94 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Instrument :

BNA_G

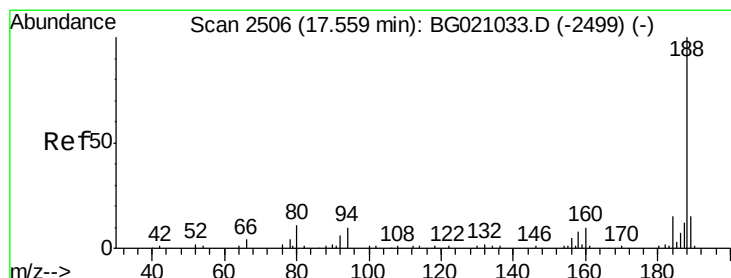
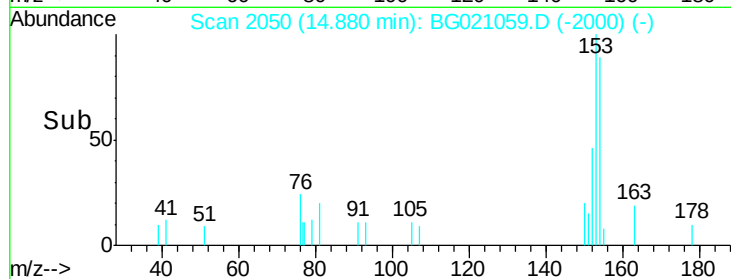
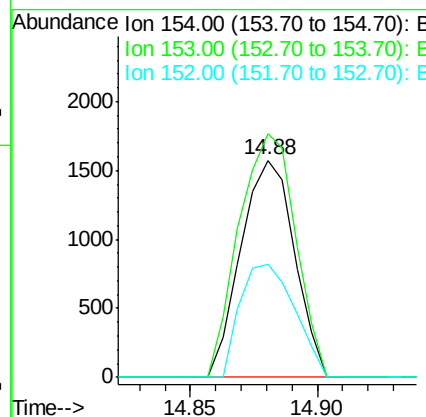
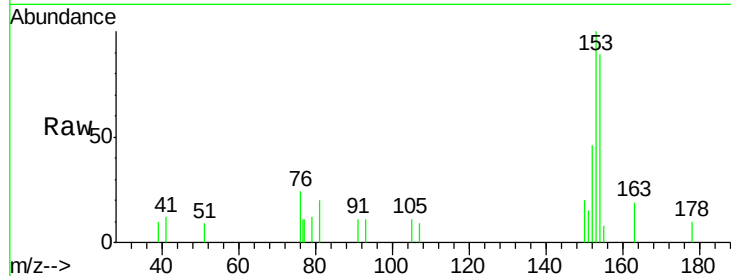
ClientSampleId :

40050+15(0-2)

Tot Ion:	154	Resp:	2320
Ion	Ratio	Lower	Upper
154	100		
153	112.1	94.2	141.2
152	51.9	42.9	64.3

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

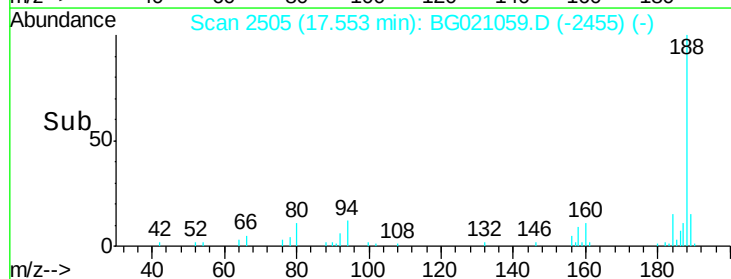
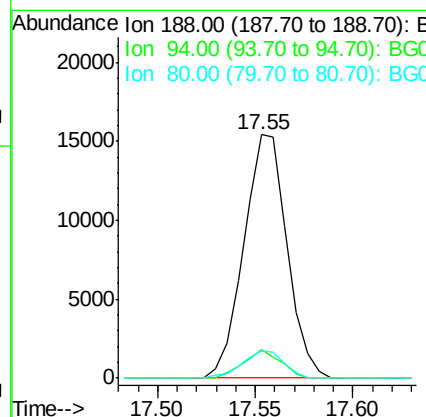
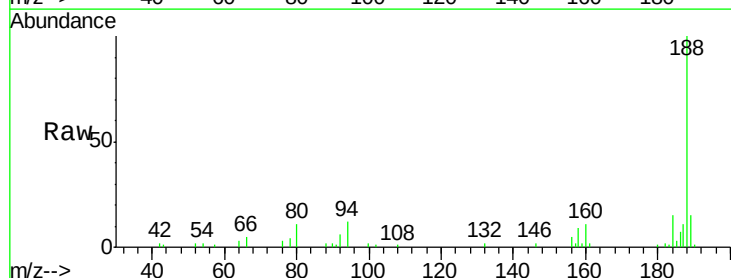
RT: 17.55 min Scan# 2505

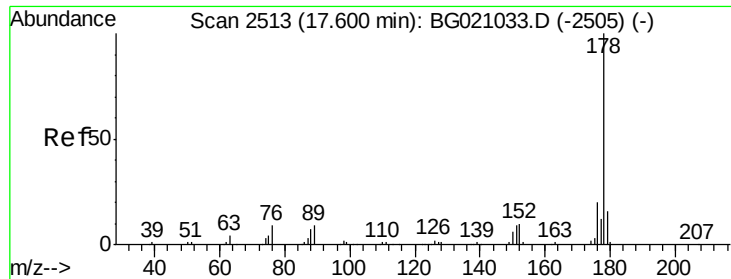
Delta R.T. -0.01 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Tgt Ion:	188	Resp:	23526
Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.2	12.4
80	11.4	9.2	13.8





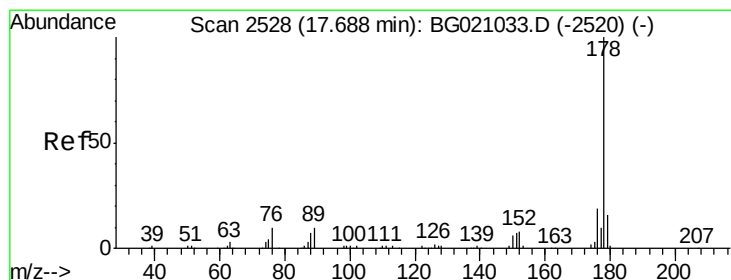
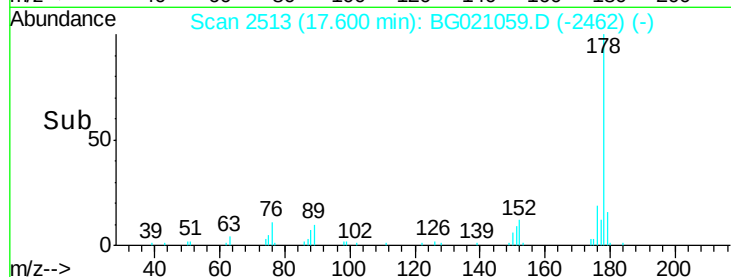
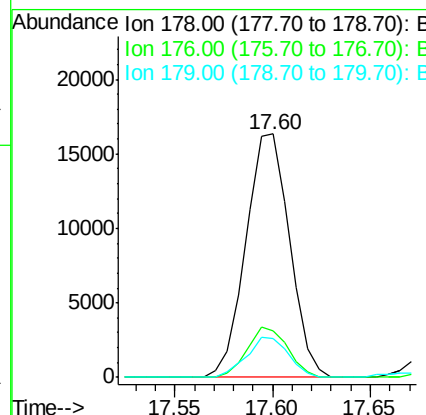
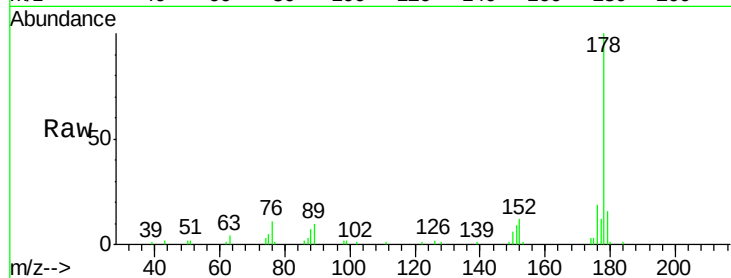
#70
Phenanthrene
Concen: 19.01 ng
RT: 17.60 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	16.2	12.9	19.3

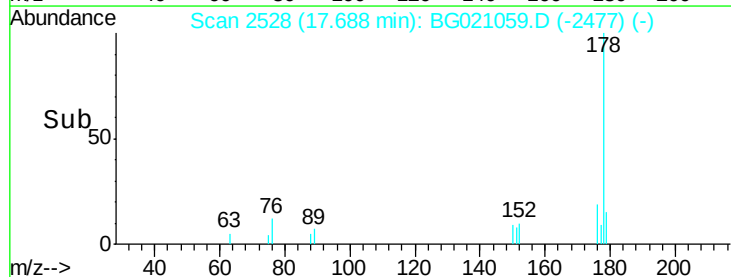
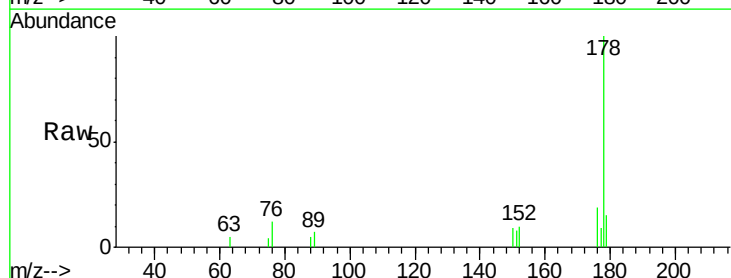
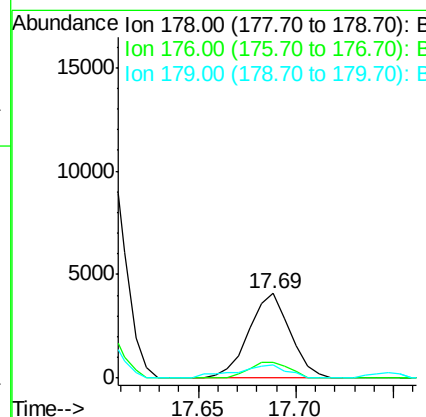
Manual Integrations
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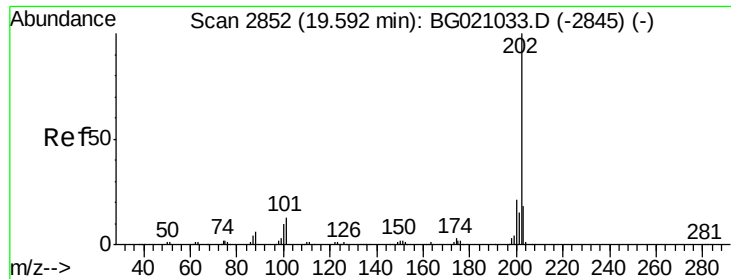
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#71
Anthracene
Concen: 4.53 ng
RT: 17.69 min Scan# 2528
Delta R.T. 0.00 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.8	22.2
179	15.2	12.6	19.0





#74

Fluoranthene

Concen: 22.29 ng

RT: 19.59 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BG021059.D

Acq: 24 Feb 2016 19:52

Instrument :

BNA_G

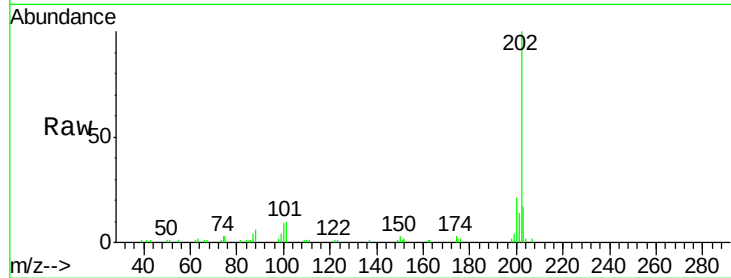
ClientSampleId :

40050+15(0-2)

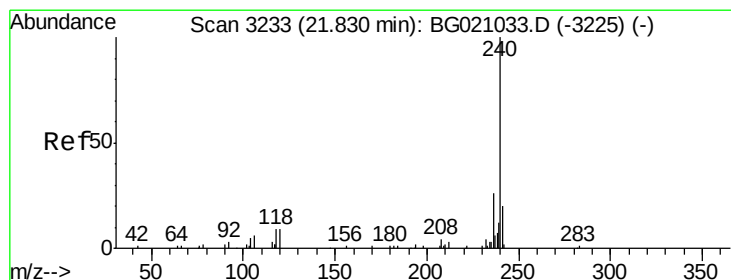
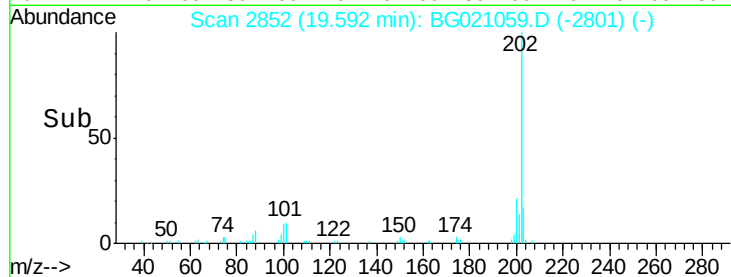
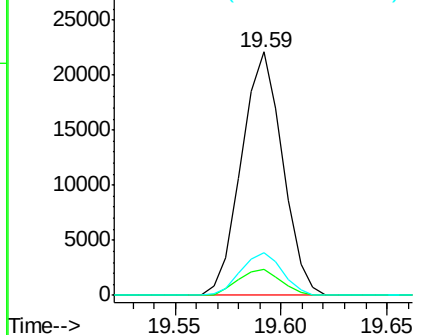
Tot Ion:	202	Resp:	29826
Ion Ratio		Lower	Upper
202	100		
101	10.5	0.0	32.5
203	17.5	0.0	37.6

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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



#75

Chrysene-d12

Concen: 20.00 ng

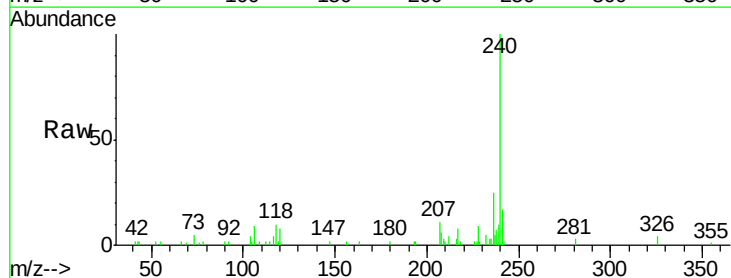
RT: 21.82 min Scan# 3232

Delta R.T. -0.01 min

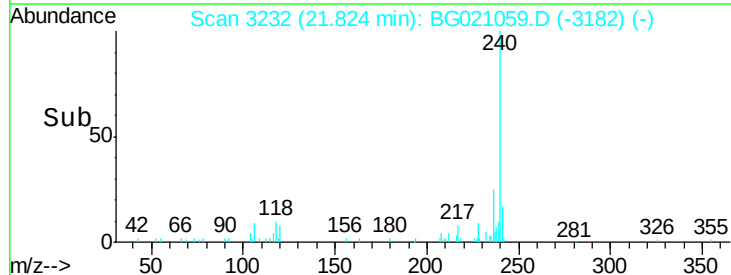
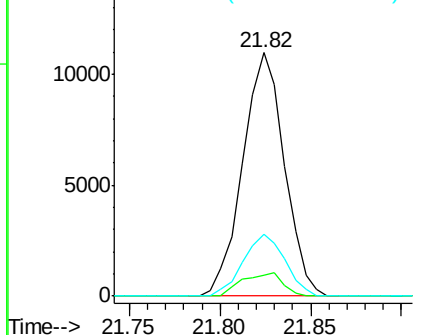
Lab File: BG021059.D

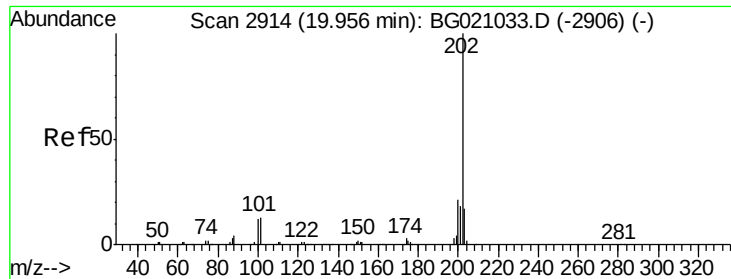
Acq: 24 Feb 2016 19:52

Tgt Ion:	240	Resp:	17537
Ion Ratio		Lower	Upper
240	100		
120	8.5	7.5	11.3
236	25.4	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





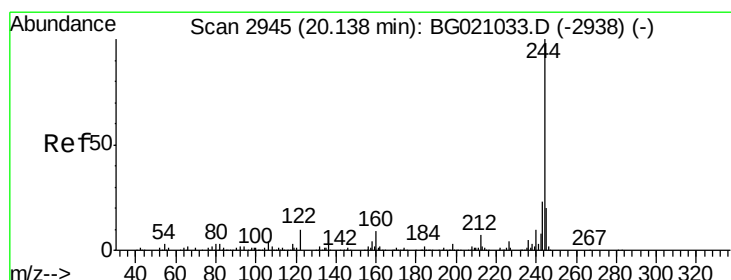
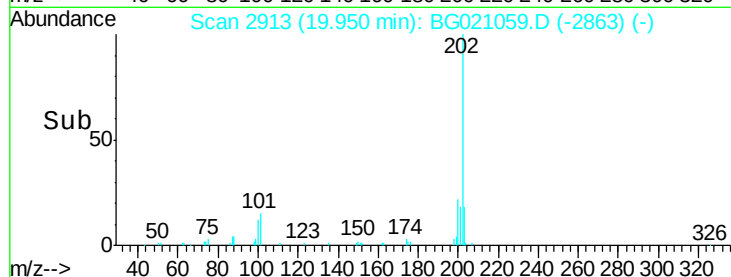
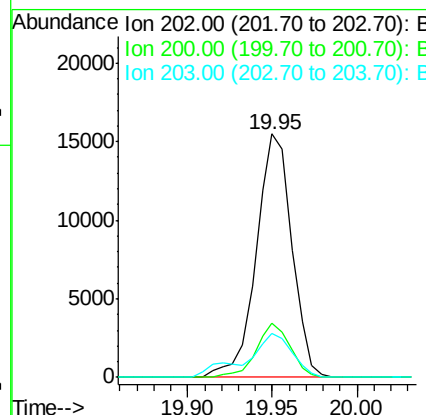
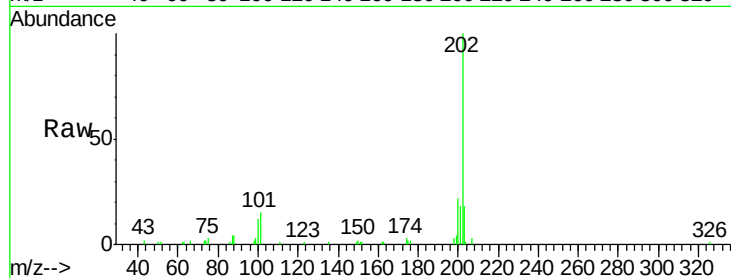
#77
Pvrene
Concen: 11.32 ng
RT: 19.95 min Scan# 2913
Delta R.T. -0.01 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.6	25.0
203	18.0	13.8	20.8

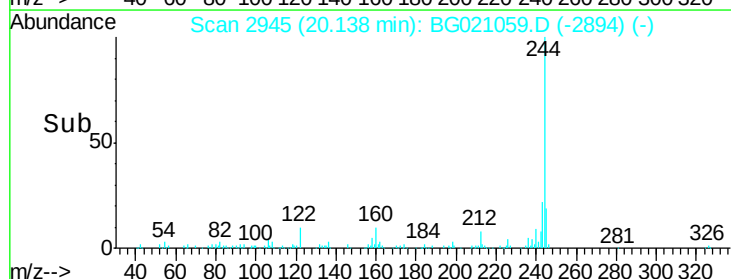
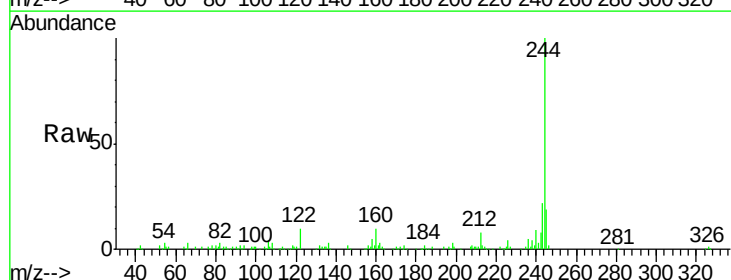
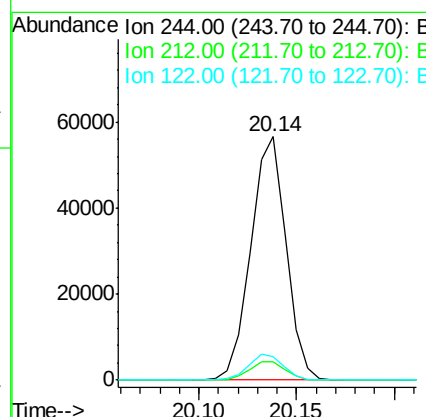
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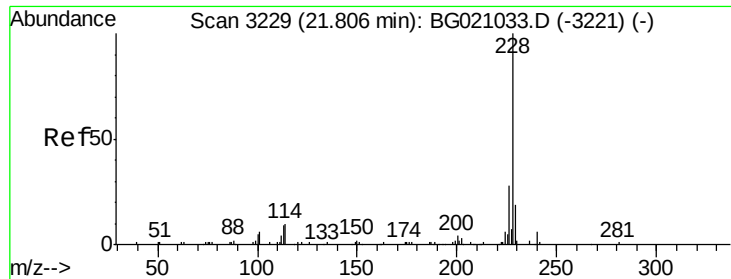
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#78
Terphenyl-d14
Concen: 52.25 ng
RT: 20.14 min Scan# 2945
Delta R.T. 0.00 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.9	8.3	12.5





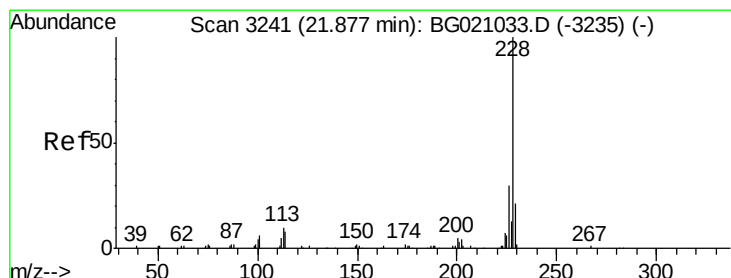
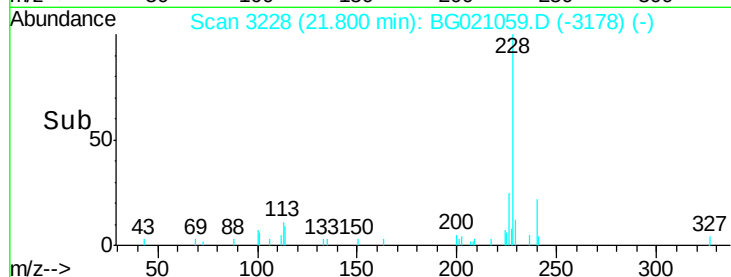
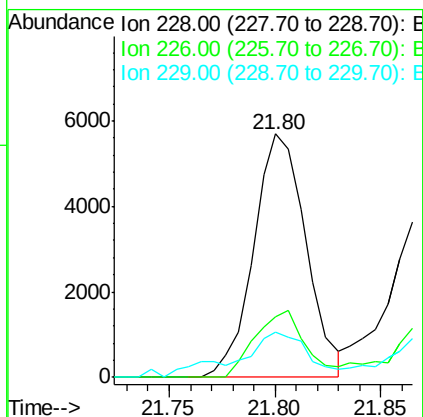
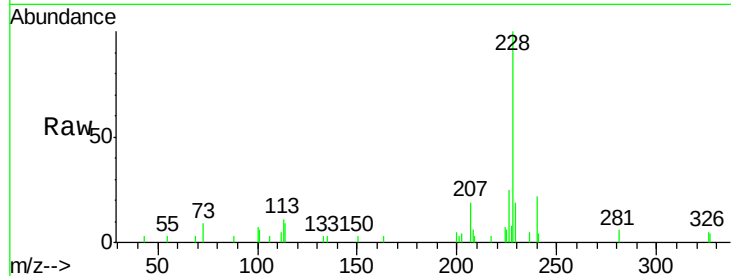
#80
Benzo(a)anthracene
Concen: 9.33 ng
RT: 21.80 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.0	22.7	34.1
229	18.7	15.5	23.3

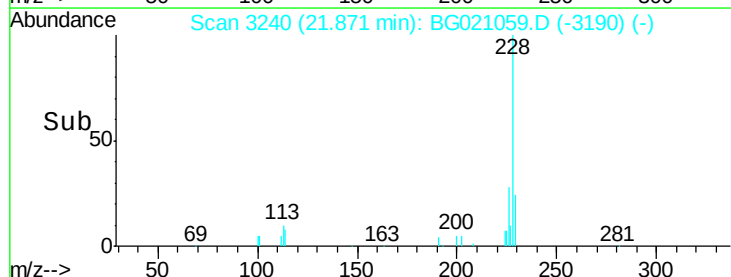
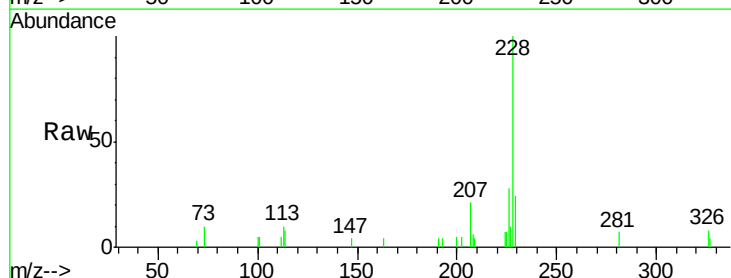
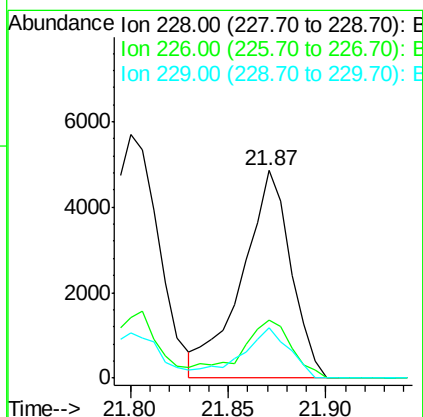
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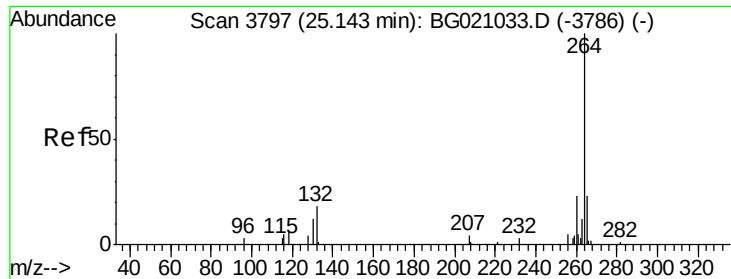
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#82
Chrysene
Concen: 8.59 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	23.7	35.5
229	24.1	16.7	25.1





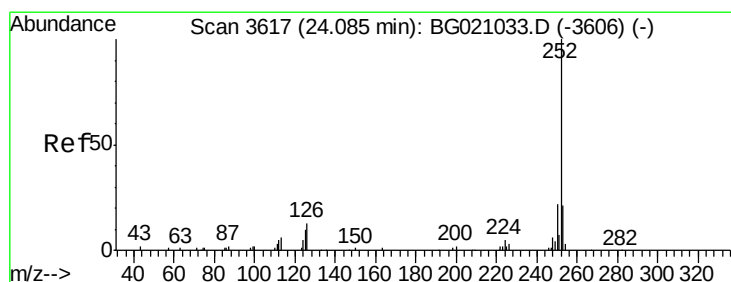
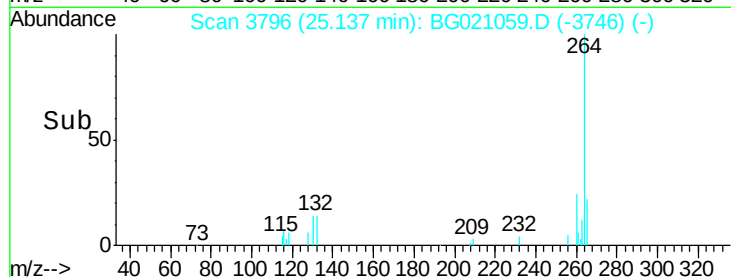
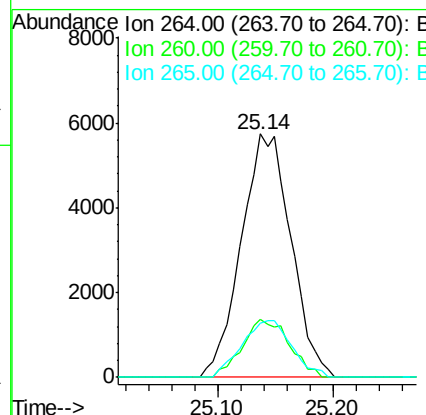
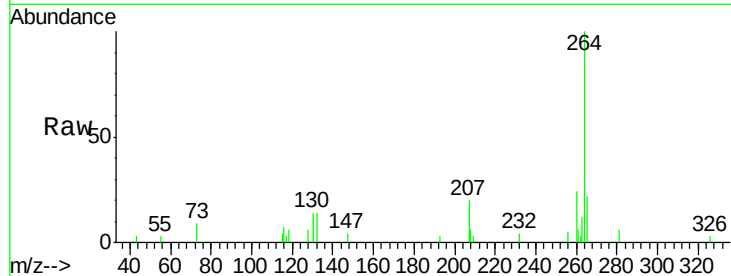
#86
Pervlene-d12
Concen: 20.00 ng
RT: 25.14 min Scan# 3796
Delta R.T. -0.01 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Tot Ion:	264	Resp:	17182
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.5	27.7
265	22.2	18.6	28.0

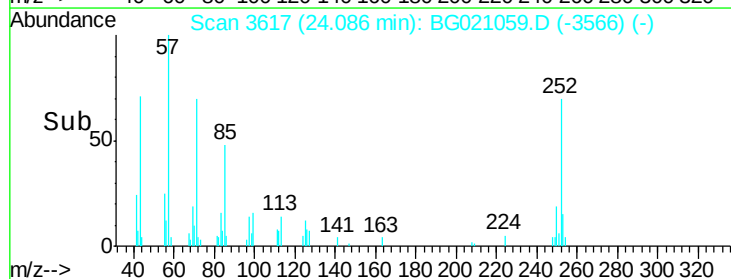
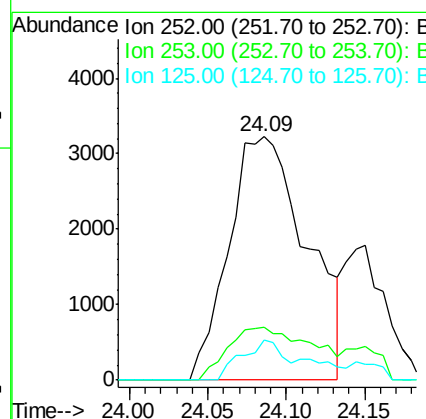
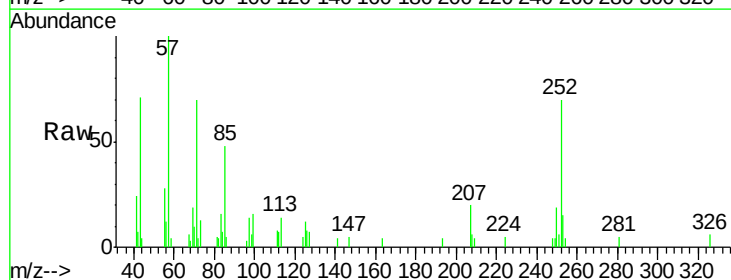
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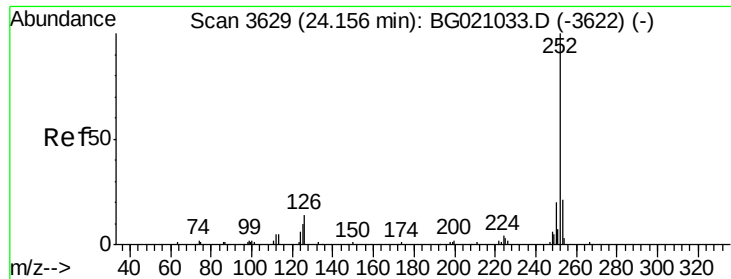
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#87
Benzo(b)fluoranthene
Concen: 9.89 ng m
RT: 24.09 min Scan# 3617
Delta R.T. 0.00 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Tgt Ion:	252	Resp:	11199
Ion Ratio	Lower	Upper	
252	100		
253	21.9	16.8	25.2
125	16.5	8.2	12.2#





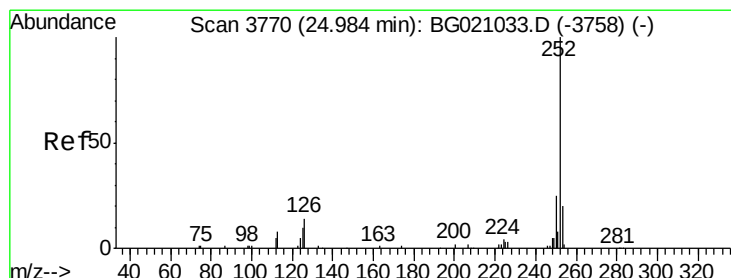
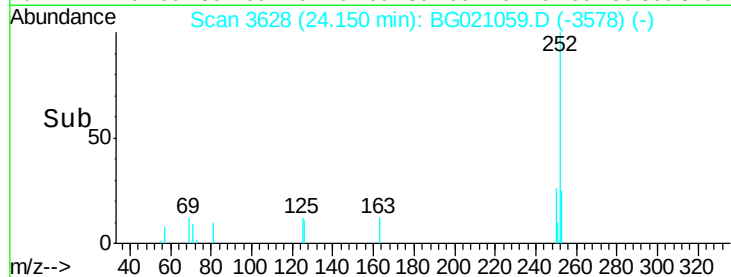
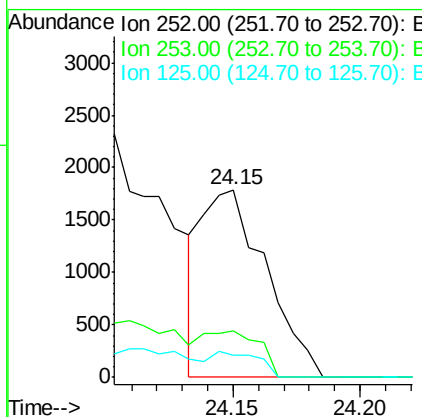
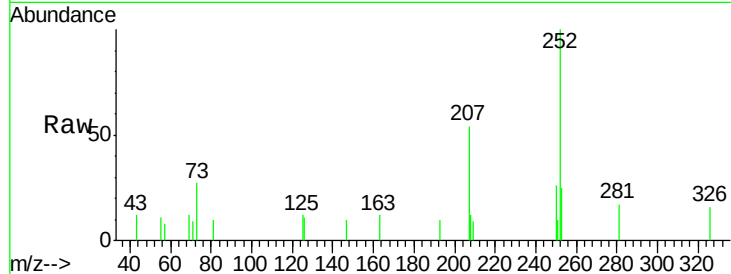
#88
Benzo(k)fluoranthene
Concen: 2.93 ng
RT: 24.15 min Scan# 3628
Delta R.T. -0.01 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Instrument :
BNA_G
ClientSampleId :
40050+15(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.4	24.6#
125	11.7	8.2	12.2

Manual Integrations
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#89
Benzo(a)pyrene
Concen: 7.81 ng
RT: 24.98 min Scan# 3769
Delta R.T. -0.01 min
Lab File: BG021059.D
Acq: 24 Feb 2016 19:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	15.8	23.8
125	14.0	8.4	12.6#

