

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
 Data File : BG021001.D
 Acq On : 20 Feb 2016 10:00
 Operator : SJ/UM
 Sample : H1520-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 40055+15(0-2)

Manual Integrations
 APPROVED

UMANGI
 2/22/2016 10:55:51 AM

Quant Time: Feb 21 23:39:08 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 11 15:26:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.26	152	18604	20.00	ng	0.00
21) Naphthalene-d8	11.08	136	97413	20.00	ng	-0.01
38) Acenaphthene-d10	14.87	164	65485	20.00	ng	-0.01
63) Phenanthrene-d10	17.61	188	134978	20.00	ng	-0.01
75) Chrysene-d12	21.89	240	126589	20.00	ng	-0.02
86) Perylene-d12	25.25	264	119833	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	191188	173.06	ng	0.00
7) Phenol-d6	7.41	99	279733	173.25	ng	0.00
23) Nitrobenzene-d5	9.43	82	150514	101.59	ng	-0.01
41) 2,4,6-Tribromophenol	16.35	330	105056	163.14	ng	0.00
44) 2-Fluorobiphenyl	13.50	172	322198	69.11	ng	-0.01
78) Terphenyl-d14	20.19	244	425535	78.42	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	14.32	163	107005	20.90	ng	99
70) Phenanthrene	17.65	178	55261	7.19	ng	98
74) Fluoranthene	19.64	202	85542	10.30	ng	99
77) Pyrene	20.00	202	68265	8.18	ng	99
80) Benzo(a)anthracene	21.86	228	37069	4.91	ng	99
82) Chrysene	21.93	228	29451	4.14	ng	100
85) Indeno(1,2,3-cd)pyrene	29.09	276	18759	2.30	ng	# 87
87) Benzo(b)fluoranthene	24.17	252	38502	5.25	ng	98
88) Benzo(k)fluoranthene	24.24	252	16163m	2.25	ng	
89) Benzo(a)pyrene	25.09	252	29124	4.17	ng	99
91) Benzo(g,h,i)perylene	30.31	276	16641	2.47	ng	98

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

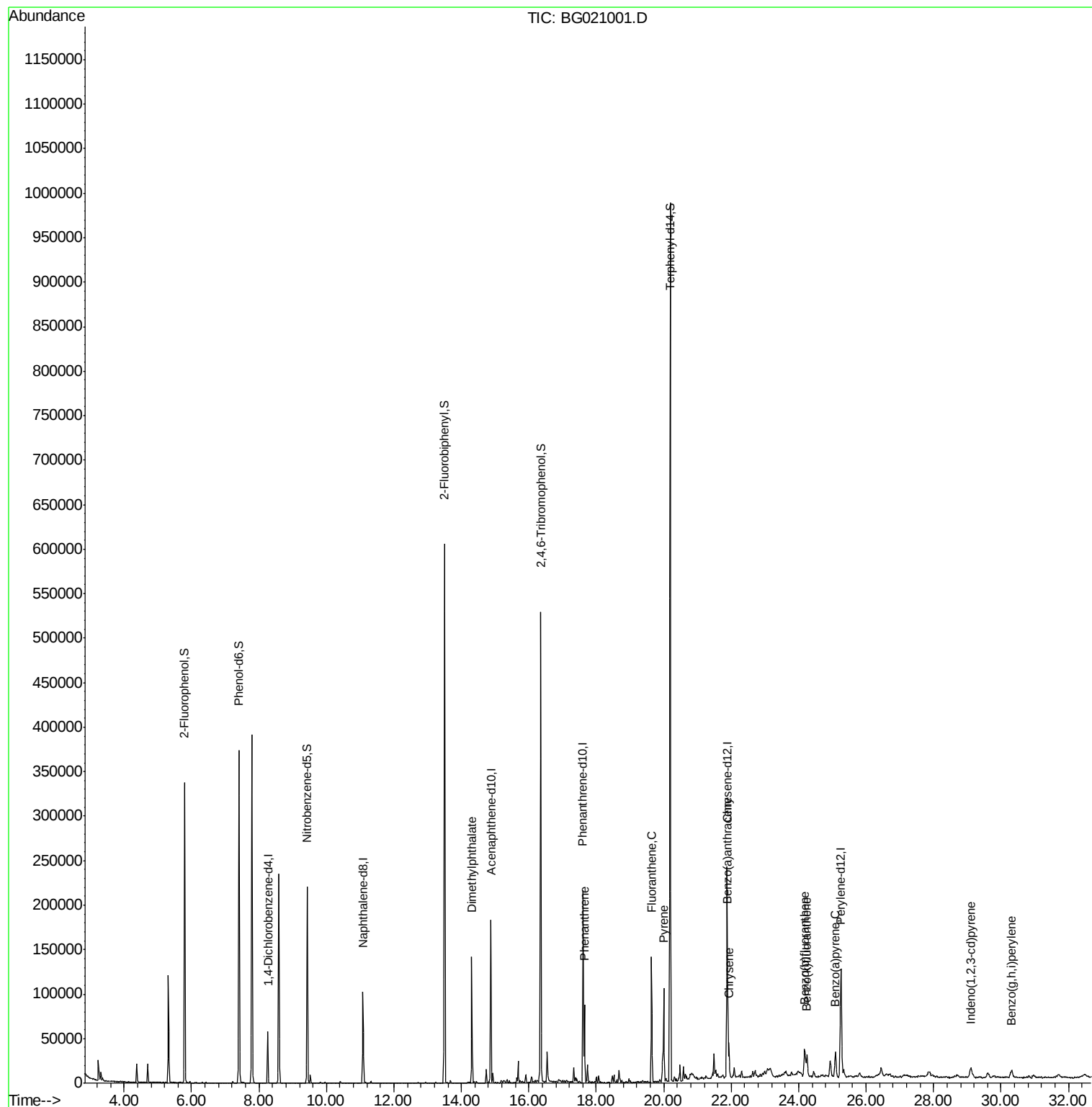
Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\
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ALS Vial : 31 Sample Multiplier: 1

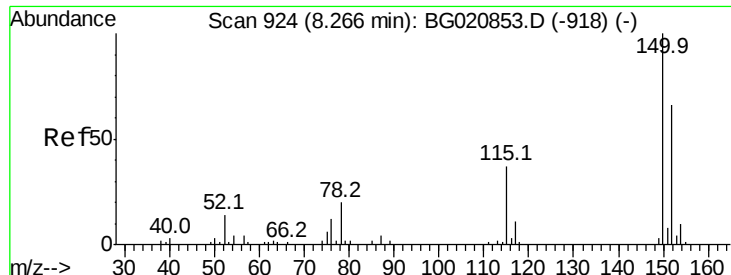
Instrument :
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ClientSampleId :
40055+15(0-2)

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Quant Time: Feb 21 23:39:08 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M
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QLast Update : Thu Feb 11 15:26:53 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.26 min Scan# 923

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

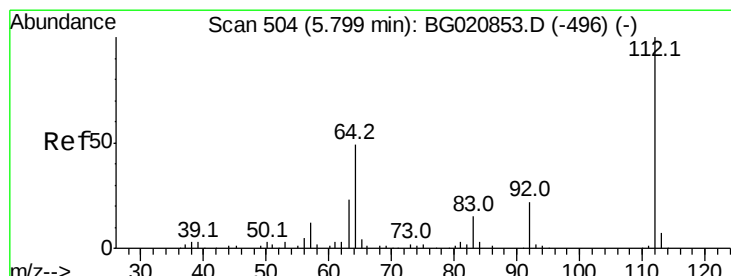
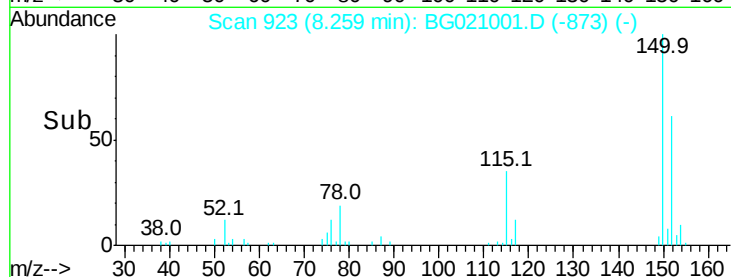
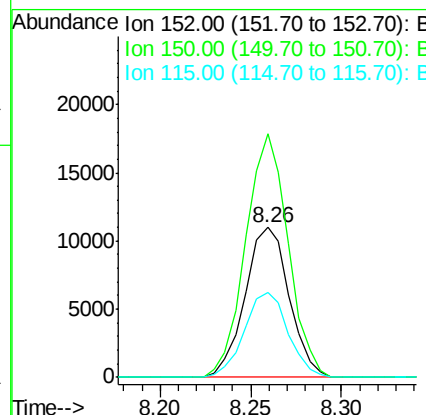
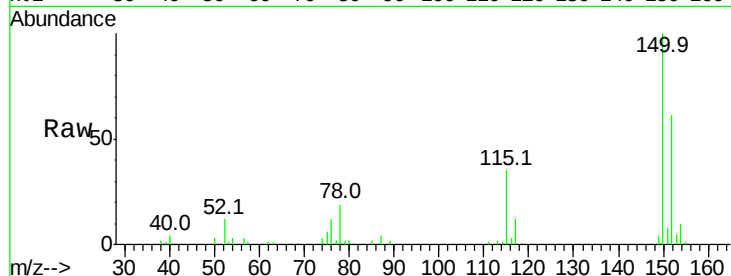
ClientSampleId :

40055+15(0-2)

Tot Ion:	152	Resp:	18604
Ion Ratio	Lower	Upper	
152	100		
150	162.7	122.0	183.0
115	57.0	45.2	67.8

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#5

2-Fluorophenol

Concen: 173.06 ng

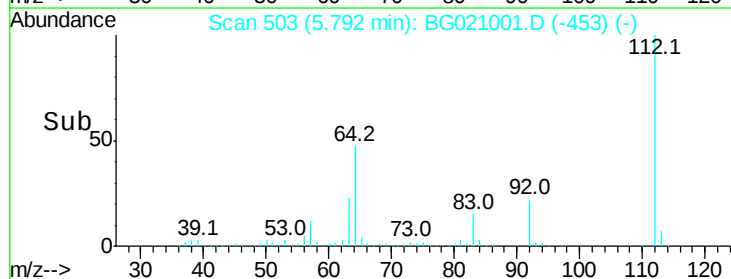
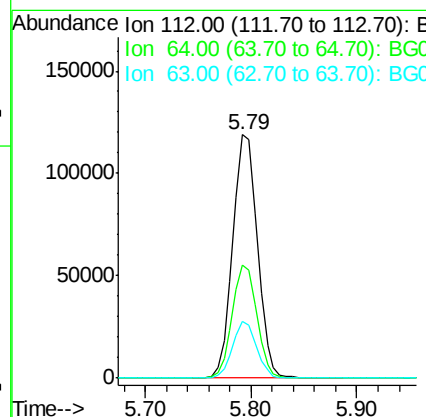
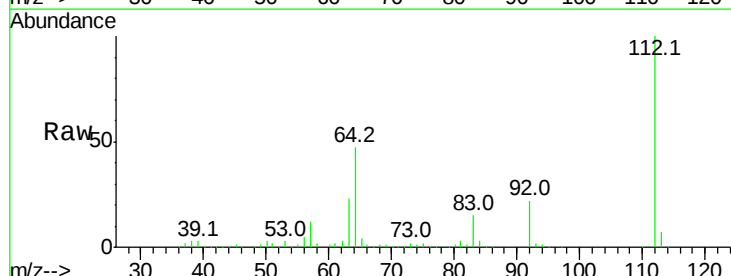
RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion:	112	Resp:	191188
Ion Ratio	Lower	Upper	
112	100		
64	46.6	39.3	58.9
63	23.3	18.2	27.4





#7

Phenol-d6

Concen: 173.25 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

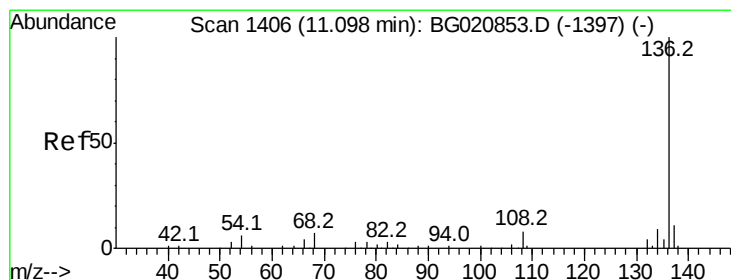
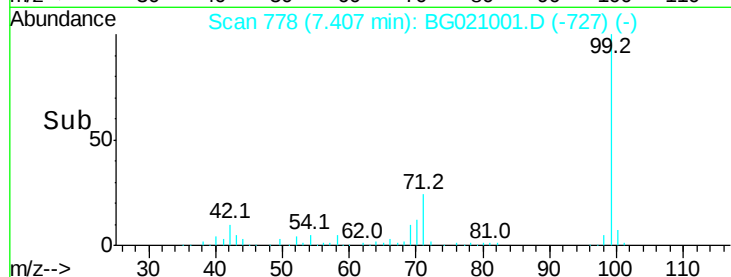
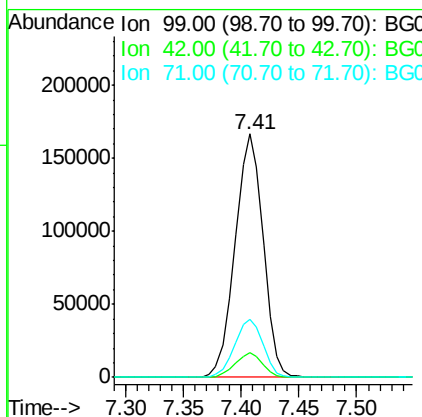
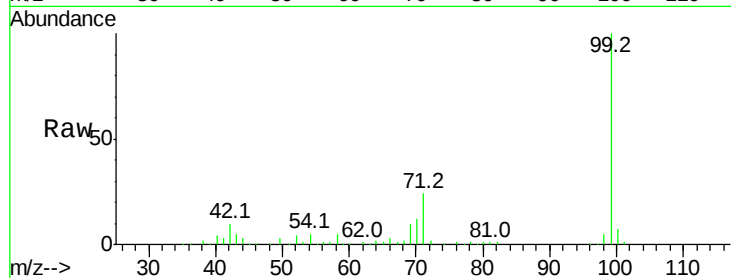
ClientSampleId :

40055+15(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
99	100	279733		
42	10.3		8.4	12.6
71	23.9		19.4	29.0

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#21

Naphthalene-d8

Concen: 20.00 ng

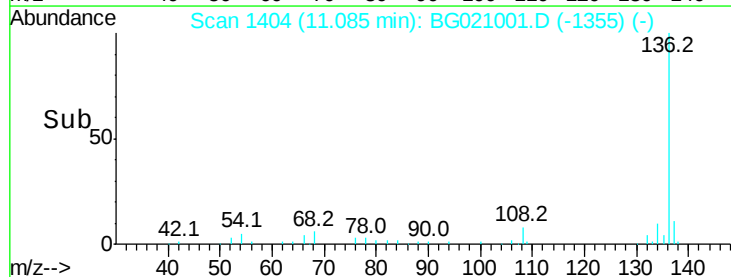
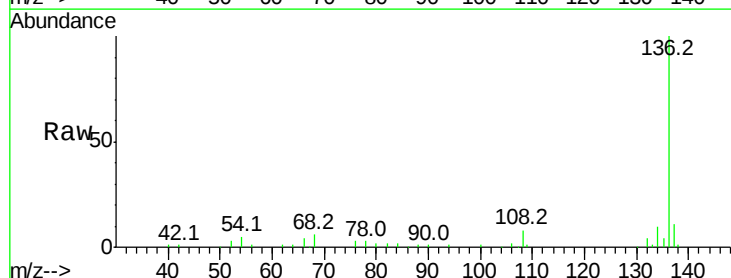
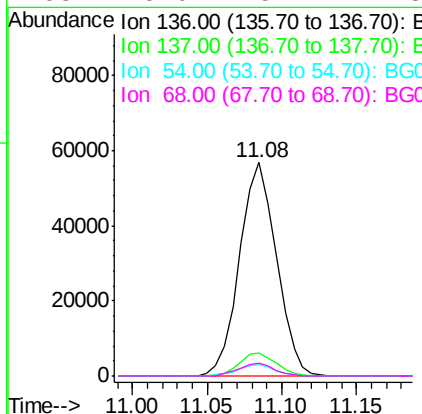
RT: 11.08 min Scan# 1404

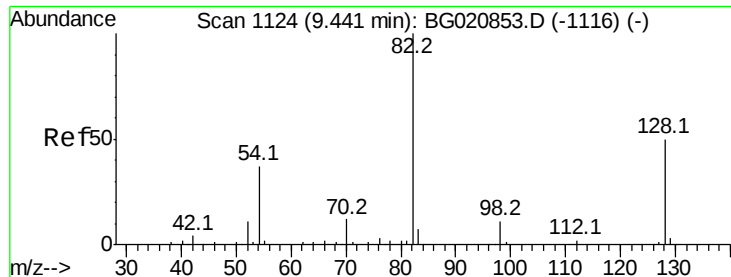
Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	97413		
137	11.0		8.8	13.2
54	5.3		5.0	7.4
68	6.0		5.2	7.8





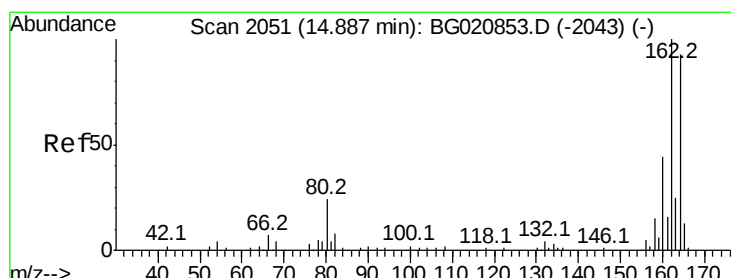
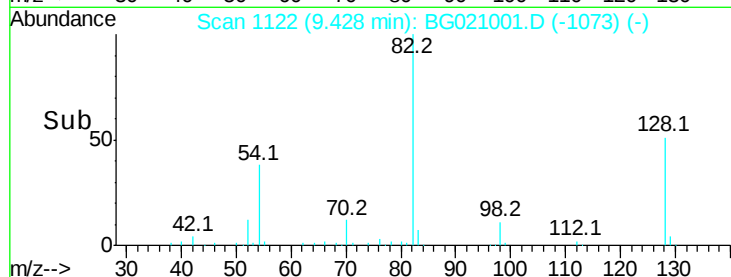
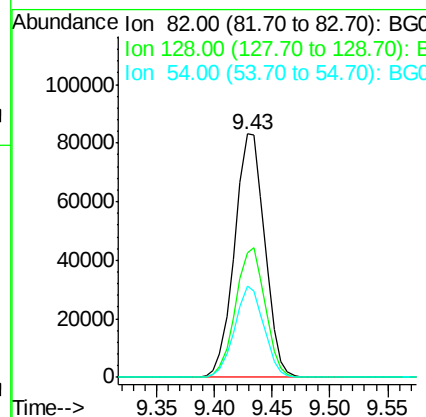
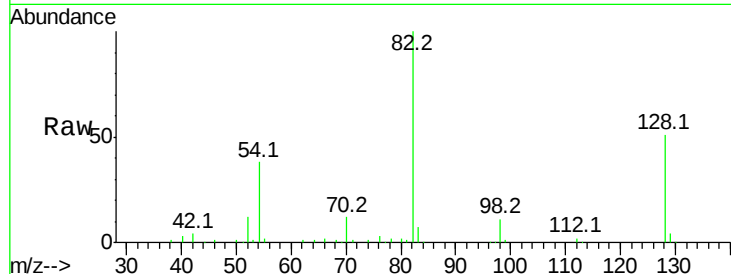
#23
 Nitrobenzene-d5
 Concen: 101.59 ng
 RT: 9.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BG021001.D
 Acq: 20 Feb 2016 10:00

Instrument :
 BNA_G
 ClientSampleId :
 40055+15(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	51.3	40.1	60.1	
54	37.5	29.5	44.3	

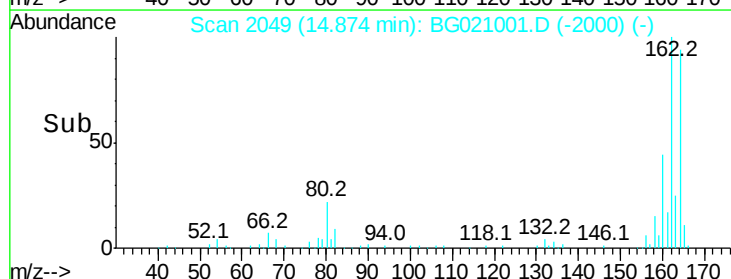
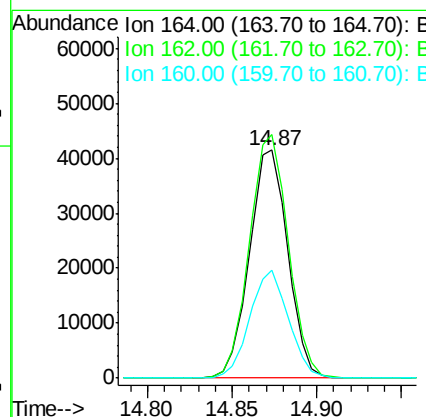
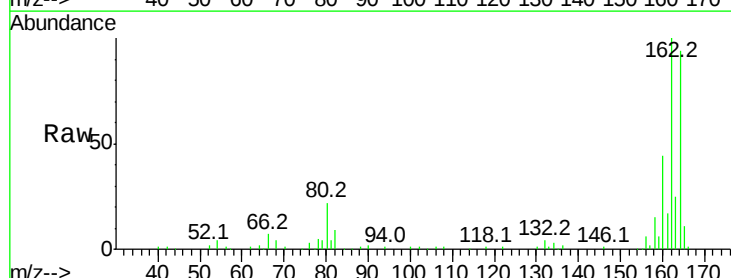
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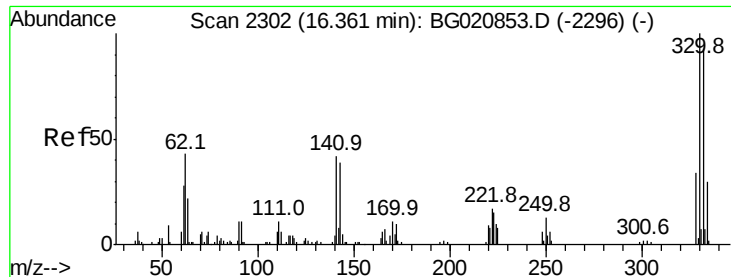
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.87 min Scan# 2049
 Delta R.T. -0.01 min
 Lab File: BG021001.D
 Acq: 20 Feb 2016 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	107.0	85.7	128.5	
160	47.3	37.4	56.0	





#41

2,4,6-Tribromophenol

Concen: 163.14 ng

RT: 16.35 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

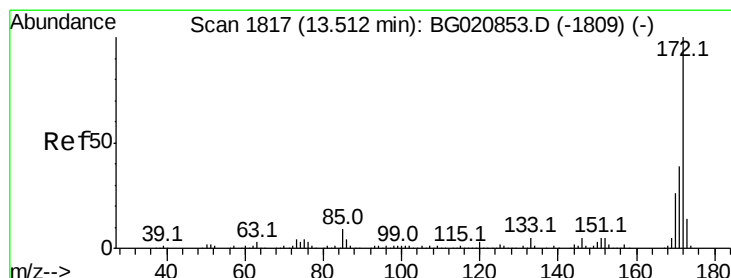
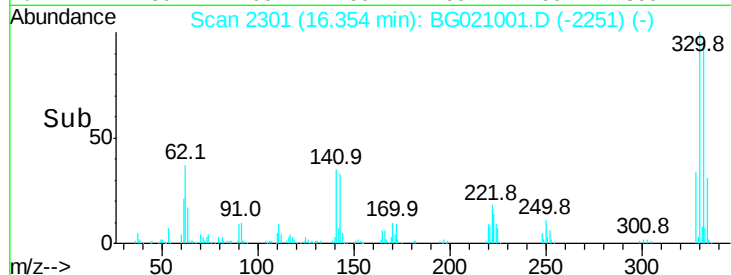
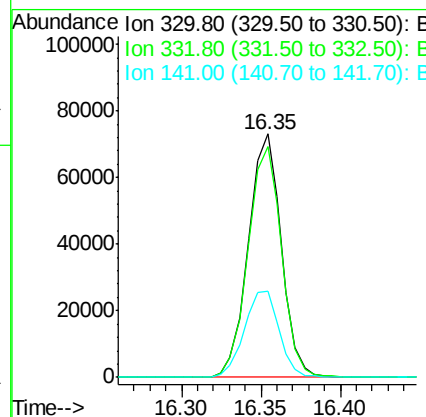
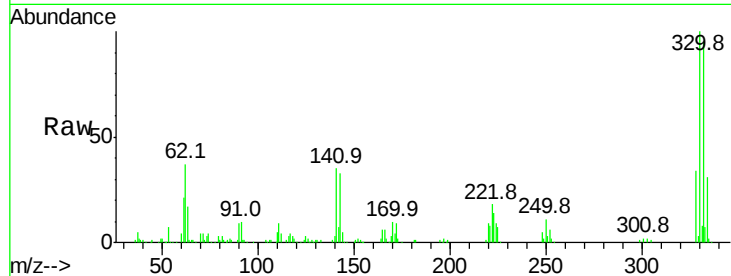
ClientSampleId :

40055+15(0-2)

Tot Ion:	330	Resp:	105056
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.1	114.1
141	37.6	32.0	48.0

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#44

2-Fluorobiphenyl

Concen: 69.11 ng

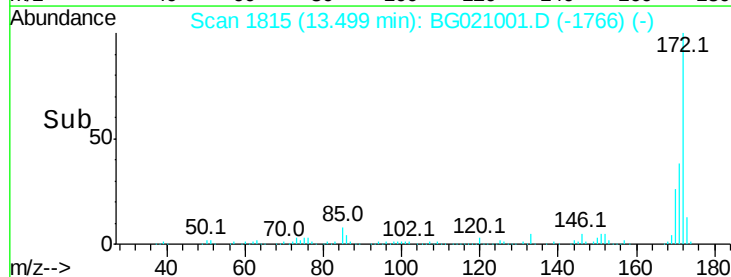
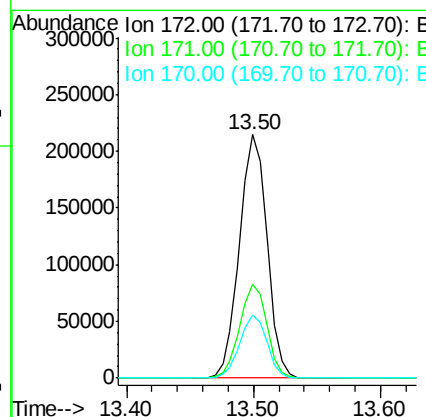
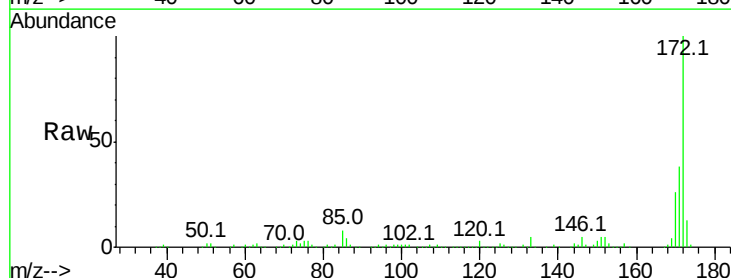
RT: 13.50 min Scan# 1815

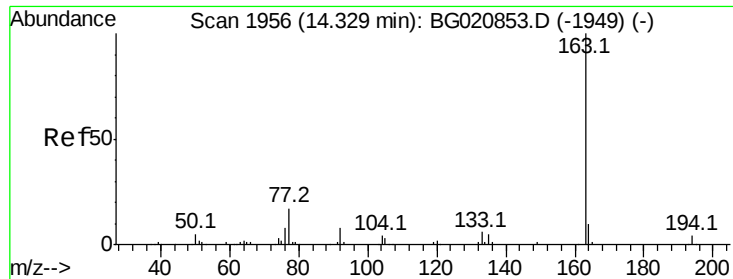
Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion:	172	Resp:	322198
Ion Ratio	Lower	Upper	
172	100		
171	38.5	31.2	46.8
170	25.8	20.6	30.8





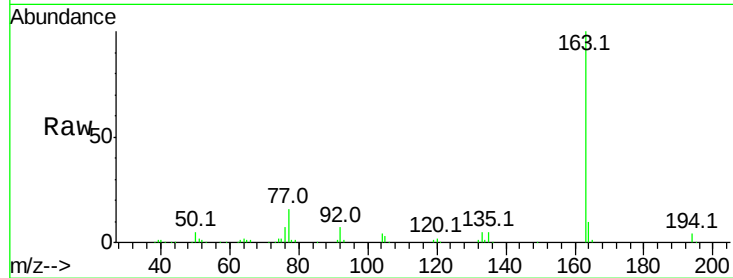
#49
Dimethylphthalate
Concen: 20.90 ng
RT: 14.32 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BG021001.D
Acq: 20 Feb 2016 10:00

Instrument :
BNA_G
ClientSampleId :
40055+15(0-2)

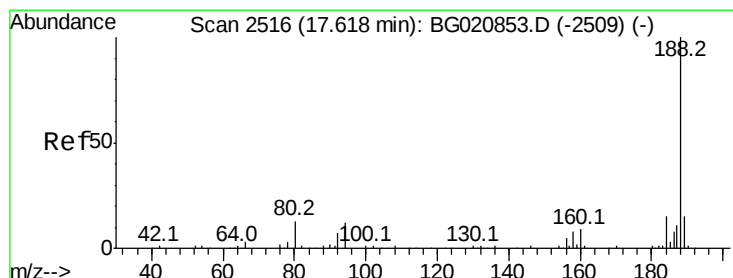
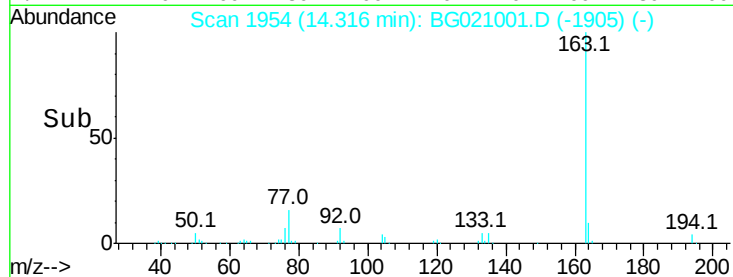
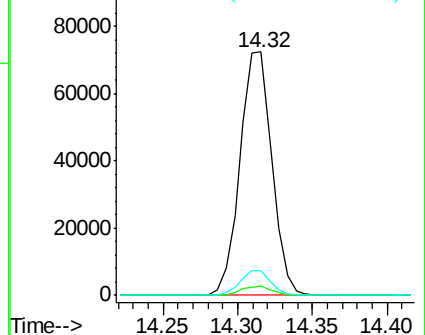
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	8.3	12.5

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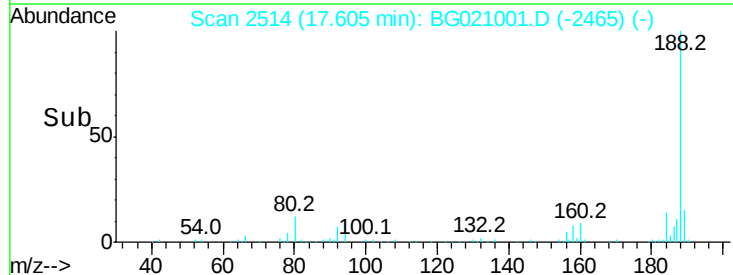
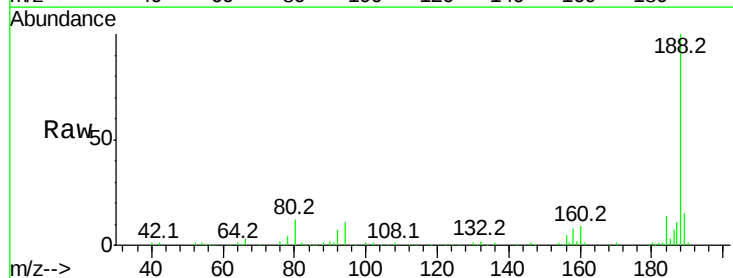
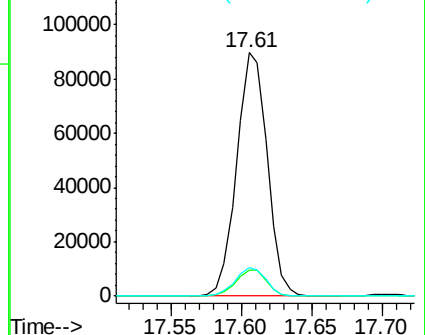
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

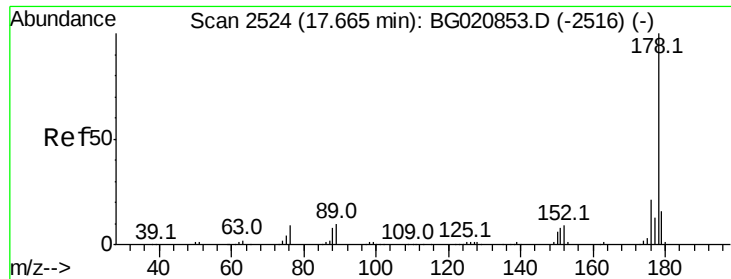


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.61 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BG021001.D
Acq: 20 Feb 2016 10:00

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.7	9.4	14.0
80	11.6	10.2	15.4

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG





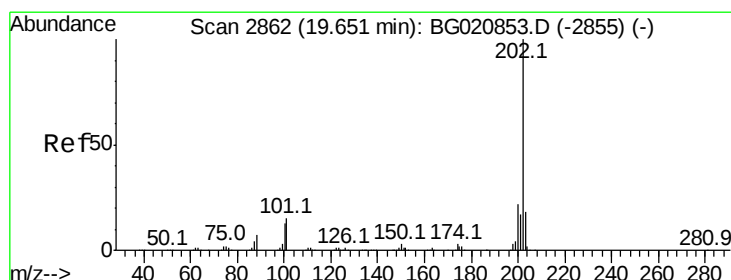
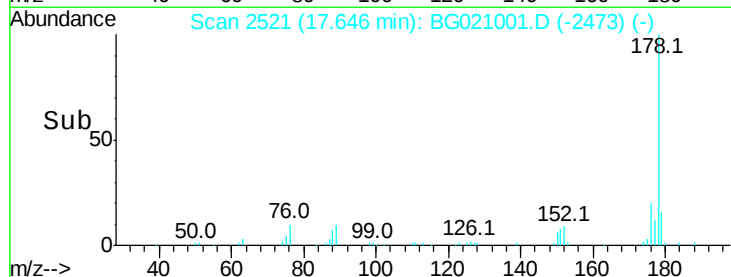
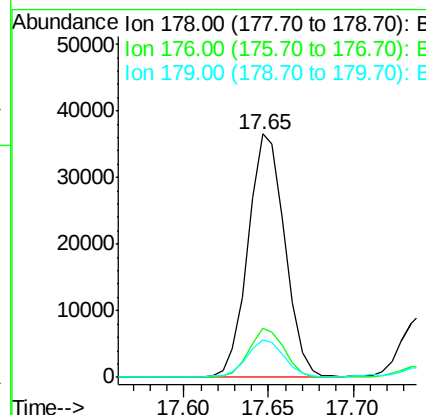
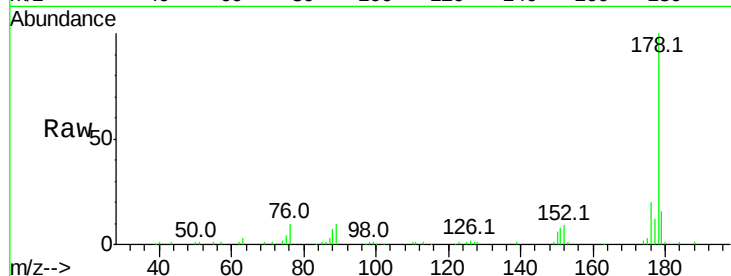
#70
Phenanthrene
Concen: 7.19 ng
RT: 17.65 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BG021001.D
Acq: 20 Feb 2016 10:00

Instrument :
BNA_G
ClientSampleId :
40055+15(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.8	25.2
179	15.5	12.6	19.0

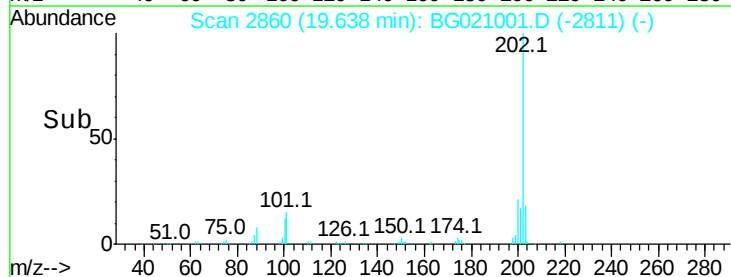
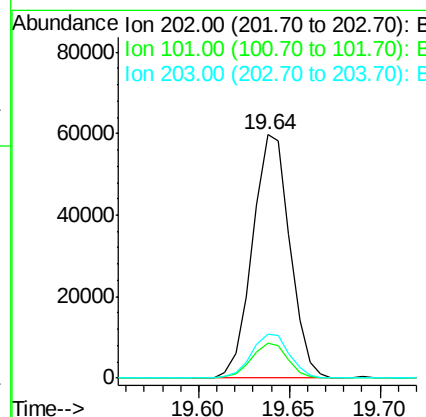
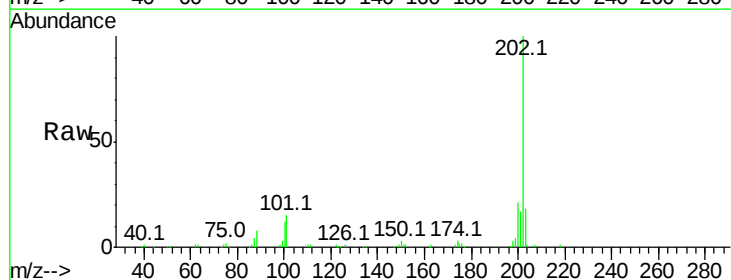
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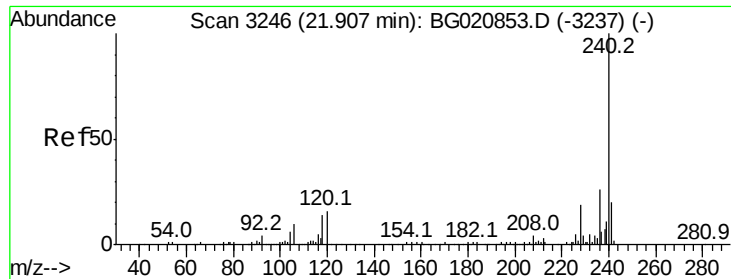
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#74
Fluoranthene
Concen: 10.30 ng
RT: 19.64 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BG021001.D
Acq: 20 Feb 2016 10:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	35.3
203	17.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.89 min Scan# 3243

Delta R.T. -0.02 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

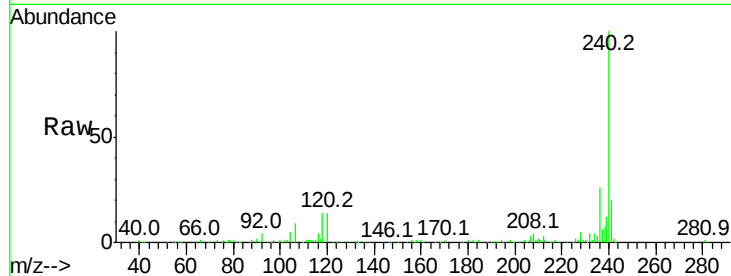
ClientSampleId :

40055+15(0-2)

Tot Ion:	240	Resp:	126589
Ion Ratio	Lower	Upper	
240	100		
120	14.5	13.0	19.4
236	26.2	21.0	31.4

Manual Integrations
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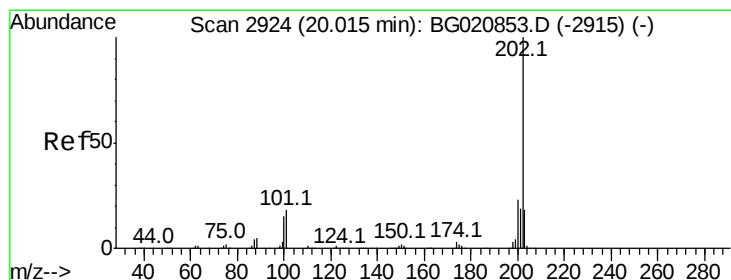
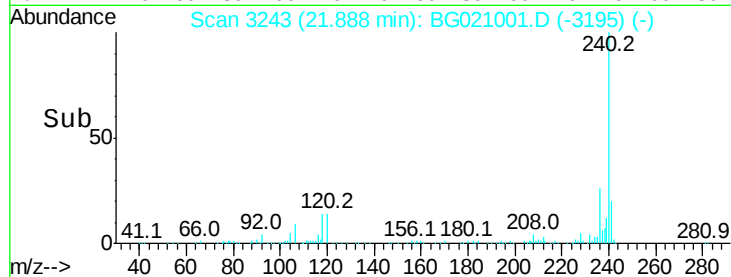
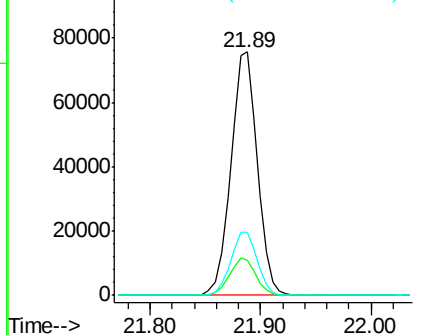
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 8.18 ng

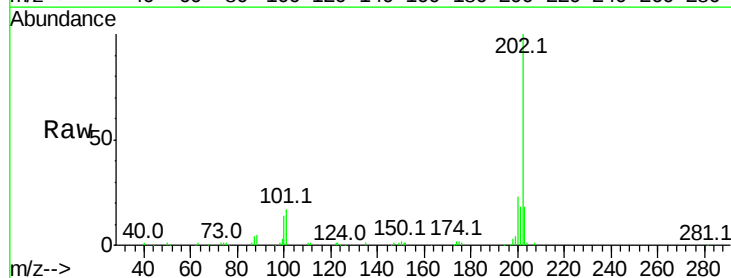
RT: 20.00 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

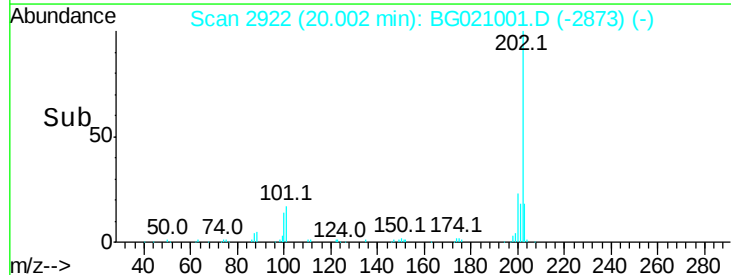
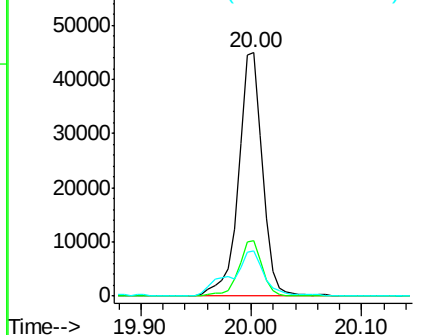
Tgt Ion:	202	Resp:	68265
Ion Ratio	Lower	Upper	
202	100		
200	22.7	18.5	27.7
203	18.4	14.3	21.5

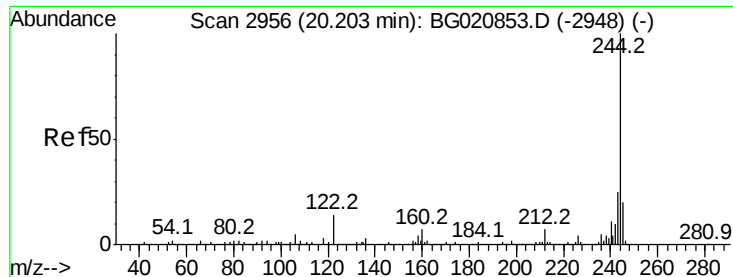


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.42 ng

RT: 20.19 min Scan# 2954

Delta R.T. -0.01 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

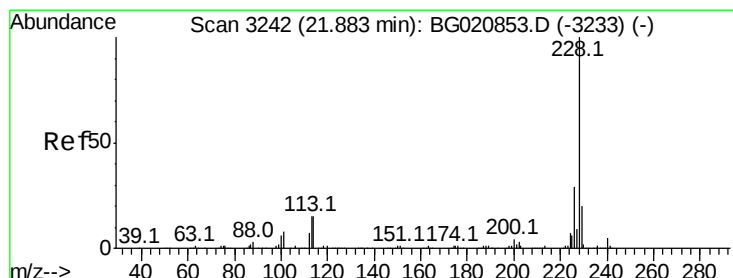
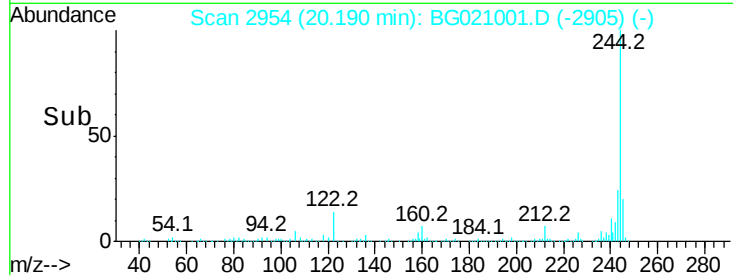
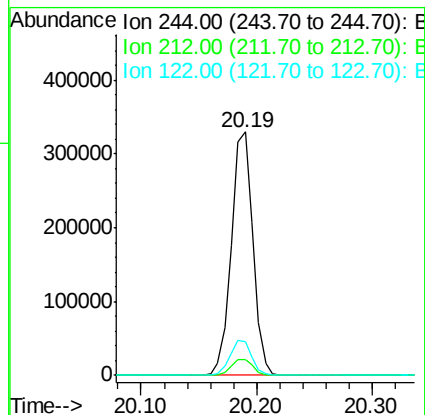
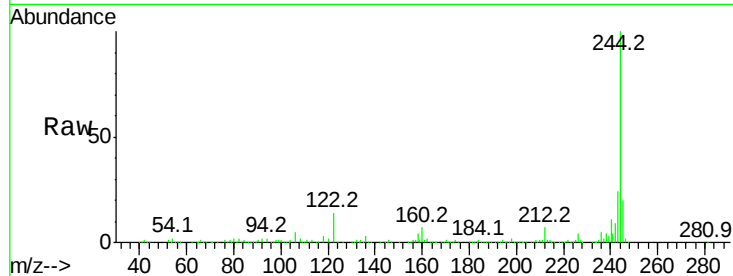
ClientSampleId :

40055+15(0-2)

Tot Ion:	244	Resp:	425535
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.5	8.3
122	13.7	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 4.91 ng

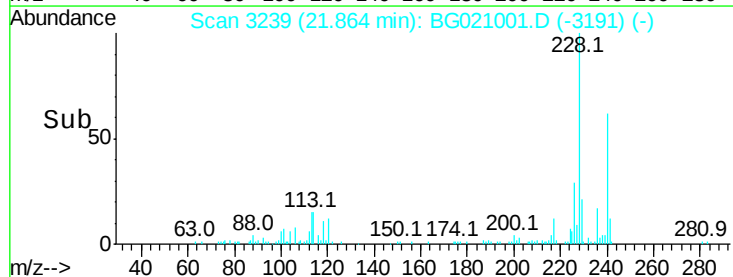
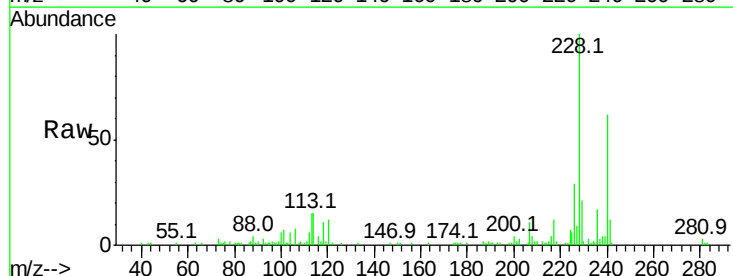
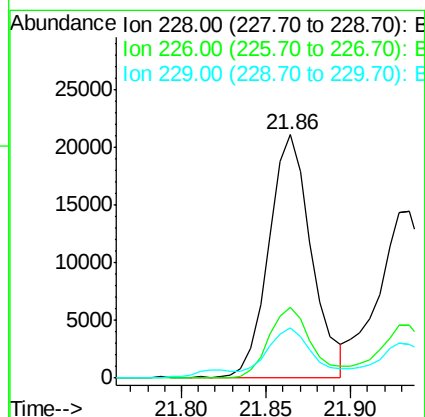
RT: 21.86 min Scan# 3239

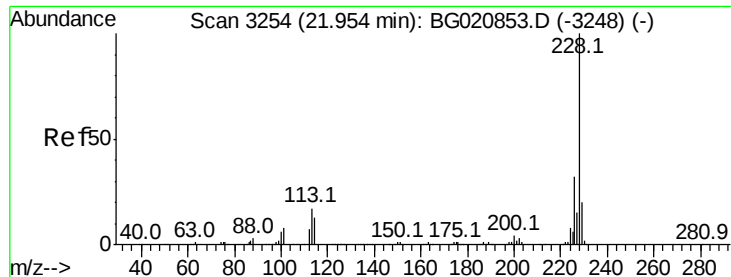
Delta R.T. -0.02 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion:	228	Resp:	37069
Ion Ratio	Lower	Upper	
228	100		
226	29.0	23.1	34.7
229	20.9	16.2	24.2





#82

Chrysene

Concen: 4.14 ng

RT: 21.93 min Scan# 3251

Delta R.T. -0.02 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

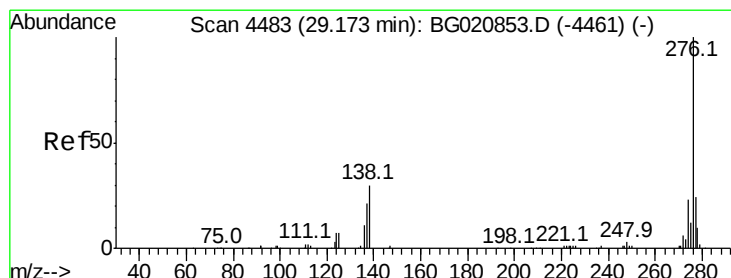
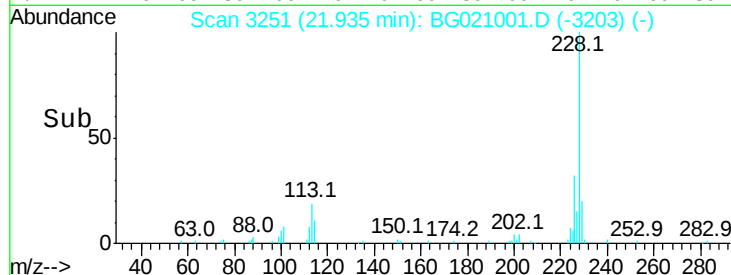
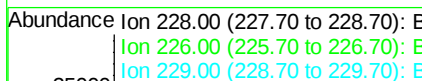
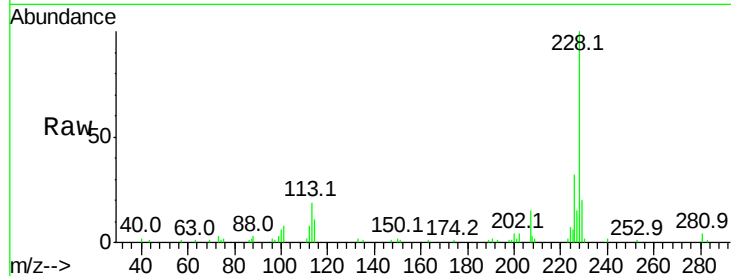
ClientSampleId :

40055+15(0-2)

Tot Ion:	228	Resp:	29451
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.3	37.9
229	19.9	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.30 ng

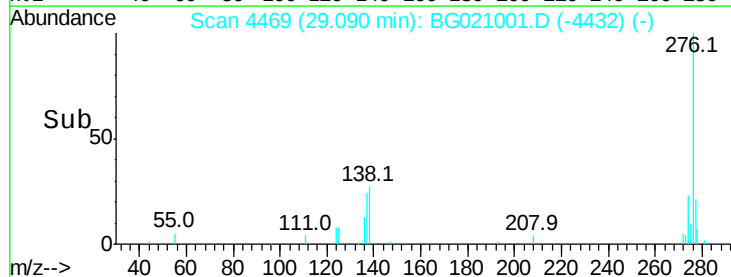
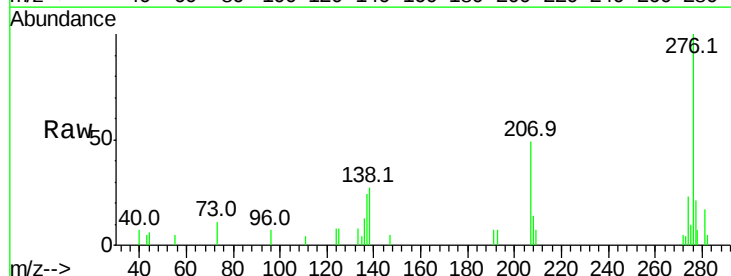
RT: 29.09 min Scan# 4469

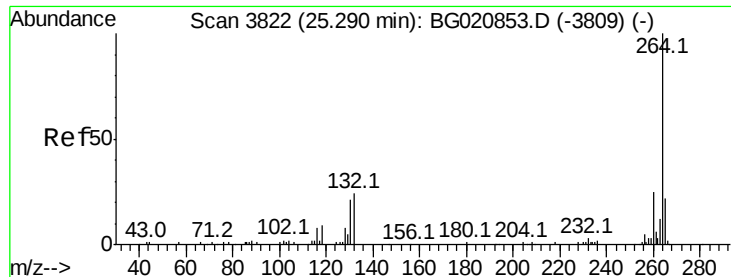
Delta R.T. -0.08 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion:	276	Resp:	18759
Ion Ratio	Lower	Upper	
276	100		
138	12.6	20.1	30.1#
277	24.9	20.5	30.7





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.25 min Scan# 3816

Delta R.T. -0.04 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Instrument :

BNA_G

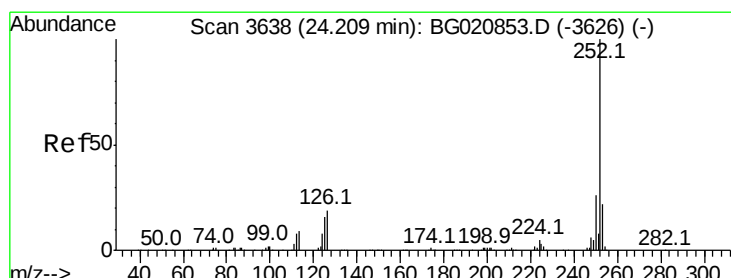
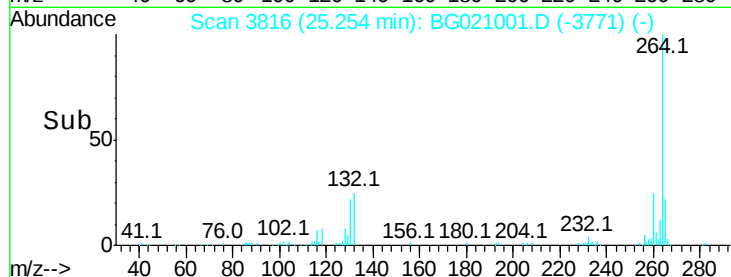
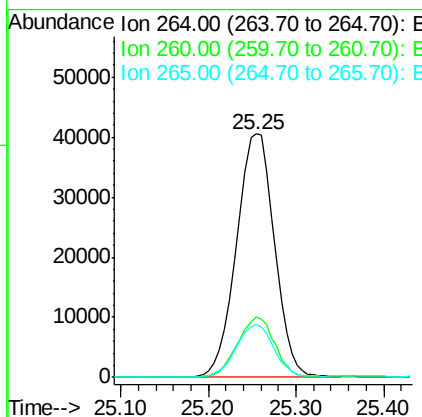
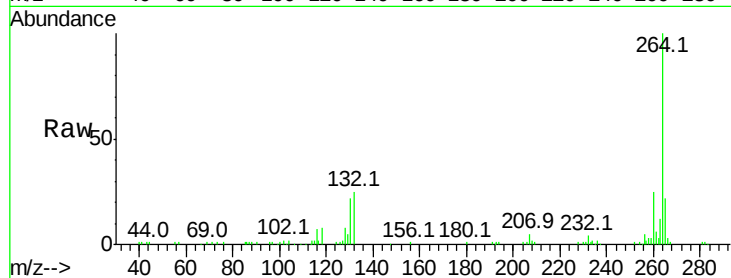
ClientSampleId :

40055+15(0-2)

Tot Ion:	264	Resp:	119833
Ion Ratio		Lower	Upper
264	100		
260	25.1	19.9	29.9
265	22.0	18.0	27.0

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#87

Benzo(b)fluoranthene

Concen: 5.25 ng

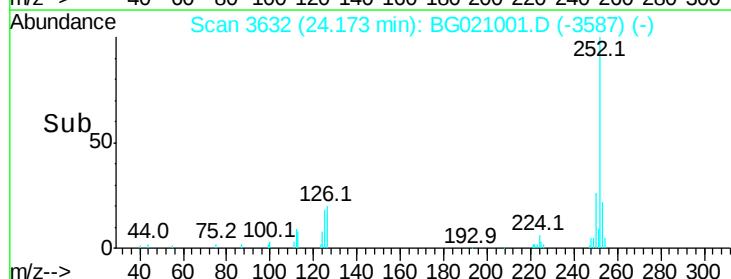
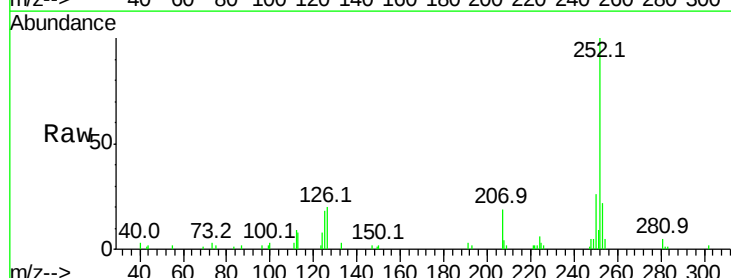
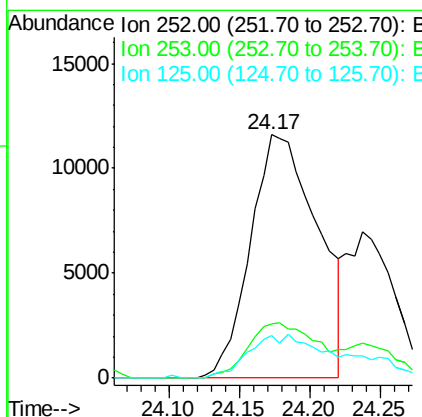
RT: 24.17 min Scan# 3632

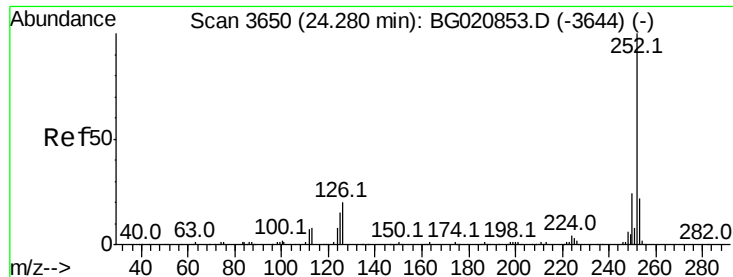
Delta R.T. -0.04 min

Lab File: BG021001.D

Acq: 20 Feb 2016 10:00

Tgt Ion:	252	Resp:	38502
Ion Ratio		Lower	Upper
252	100		
253	22.4	17.5	26.3
125	17.5	12.5	18.7





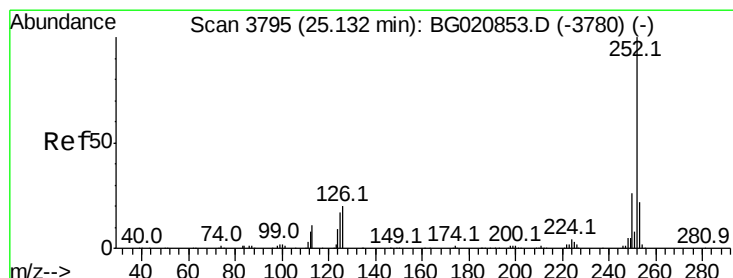
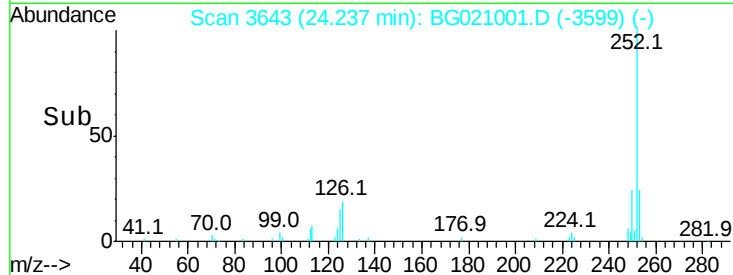
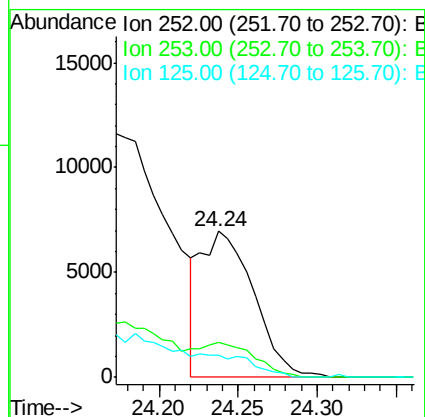
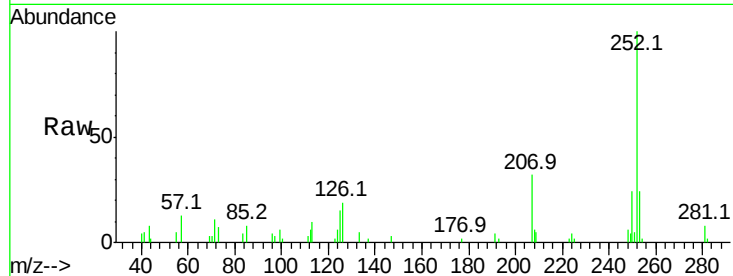
#88
Benzo(k)fluoranthene
Concen: 2.25 ng m
RT: 24.24 min Scan# 3643
Delta R.T. -0.04 min
Lab File: BG021001.D
Acq: 20 Feb 2016 10:00

Instrument :
BNA_G
ClientSampleId :
40055+15(0-2)

Tot Ion:	252	Resp:	16163
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.7	26.5
125	15.1	12.2	18.4

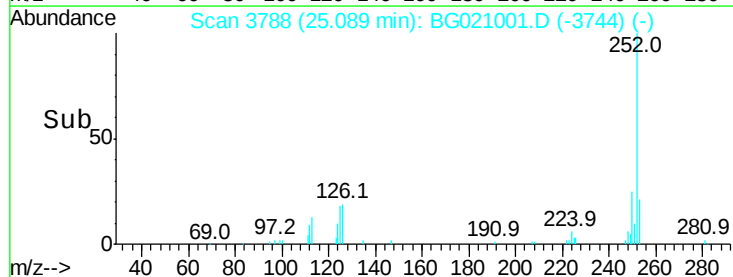
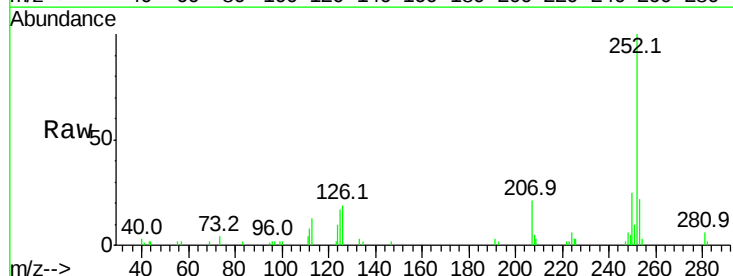
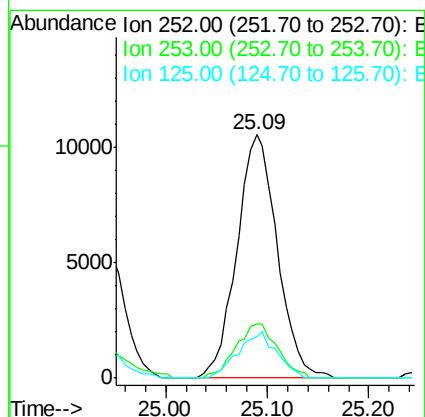
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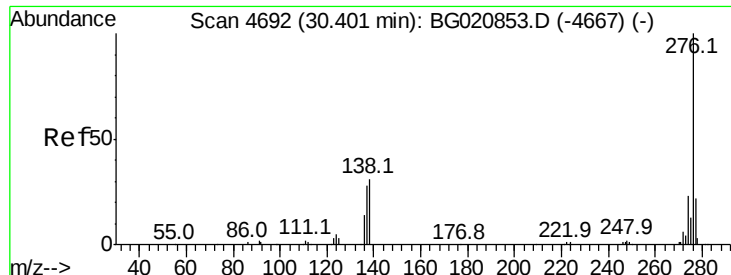
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#89
Benzo(a)pyrene
Concen: 4.17 ng
RT: 25.09 min Scan# 3788
Delta R.T. -0.04 min
Lab File: BG021001.D
Acq: 20 Feb 2016 10:00

Tgt Ion:	252	Resp:	29124
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.4	26.2
125	17.2	13.6	20.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.47 ng
 RT: 30.31 min Scan# 4676
 Delta R.T. -0.10 min
 Lab File: BG021001.D
 Acq: 20 Feb 2016 10:00

Instrument :
 BNA_G
 ClientSampleId :
 40055+15(0-2)

Tot Ion:	276	Resp:	16641
Ion Ratio	Lower	Upper	
276	100		
277	24.7	17.6	26.4
138	31.7	25.2	37.8

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