

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
 Data File : BG021182.D
 Acq On : 1 Mar 2016 10:46
 Operator : UM/SJ
 Sample : H1520-19RE
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Mar 01 14:29:16 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 17:40:25 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	13803	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	66153	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	36384	20.00	ng	0.00
63) Phenanthrene-d10	17.49	188	76211	20.00	ng	0.00
75) Chrysene-d12	21.76	240	80620	20.00	ng	0.00
86) Perylene-d12	25.03	264	74692	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	123945	142.75	ng	0.00
7) Phenol-d6	7.30	99	188401	131.96	ng	0.00
23) Nitrobenzene-d5	9.31	82	135395	86.61	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	45719	120.77	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	207289	80.90	ng	0.00
78) Terphenyl-d14	20.08	244	245790	73.86	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.90	107	4057	2.72	ng	91
49) Dimethylphthalate	14.20	163	44609	13.76	ng	96
51) Acenaphthene	14.82	154	5786	2.40	ng	94
70) Phenanthrene	17.53	178	72282	17.57	ng	98
71) Anthracene	17.63	178	17718	4.21	ng	99
74) Fluoranthene	19.53	202	102450	21.20	ng	99
77) Pyrene	19.89	202	81359	16.92	ng	99
80) Benzo(a)anthracene	21.73	228	41454	8.68	ng	98
82) Chrysene	21.80	228	34573	7.64	ng	96
85) Indeno(1,2,3-cd)pyrene	28.75	276	15135	2.92	ng	# 100
87) Benzo(b)fluoranthene	23.99	252	44955	9.57	ng	# 97
88) Benzo(k)fluoranthene	24.05	252	18212m	3.87	ng	
89) Benzo(a)pyrene	24.87	252	31021	6.83	ng	# 88
91) Benzo(a,h,i)perylene	29.92	276	13112	3.02	ng	93

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

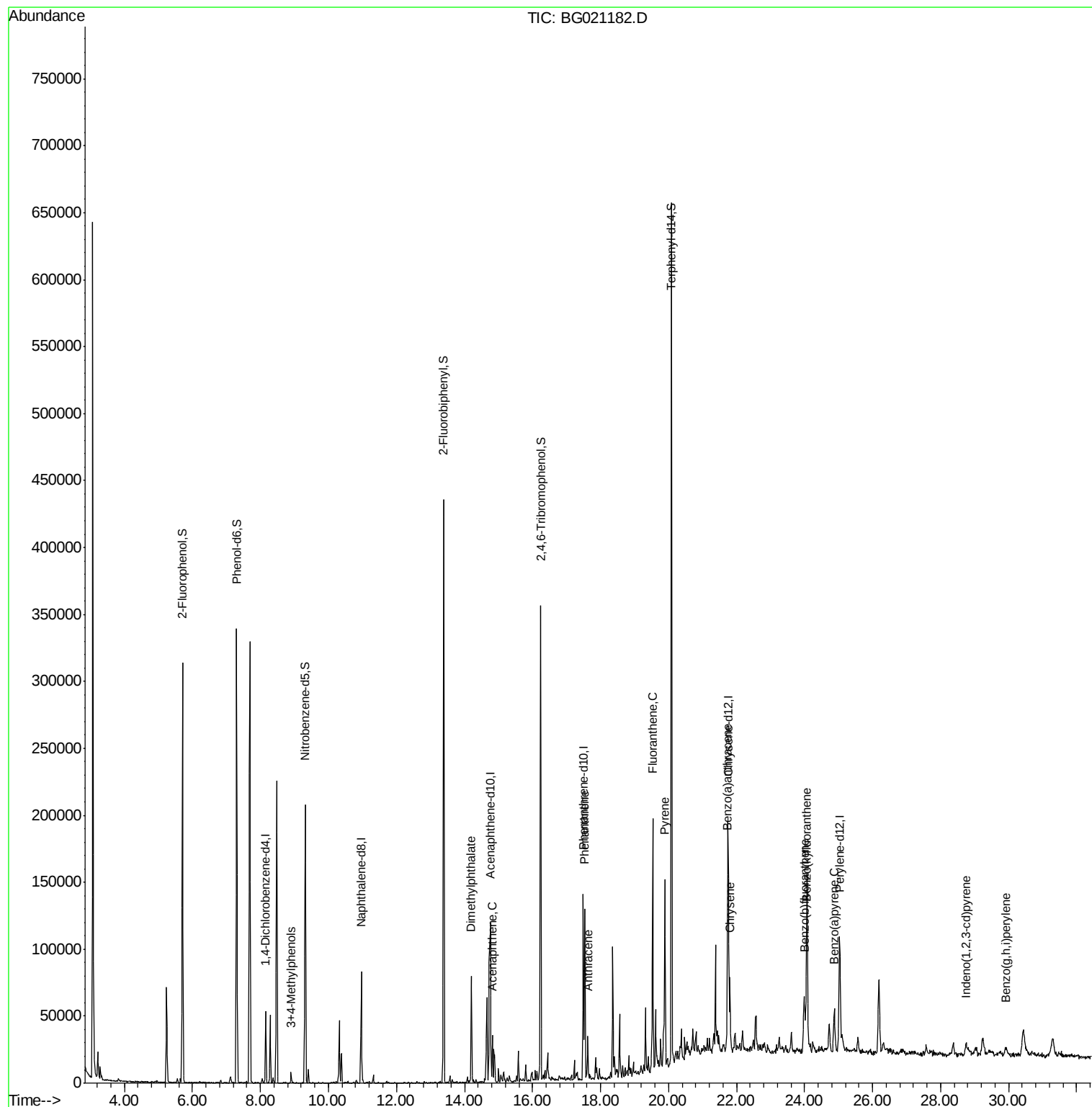
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021182.D
Acq On : 1 Mar 2016 10:46
Operator : UM/SJ
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Misc :
ALS Vial : 28 Sample Multiplier: 1

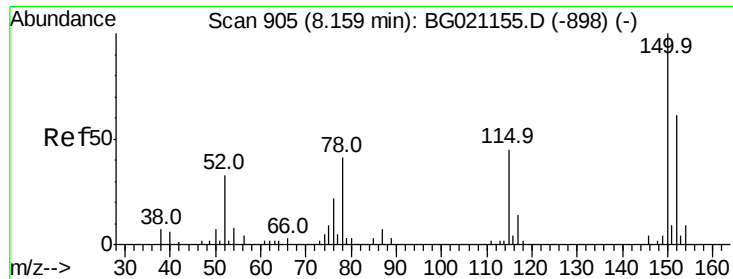
Instrument :
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40050+15(0-2)RE

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Quant Time: Mar 01 14:29:16 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
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#1

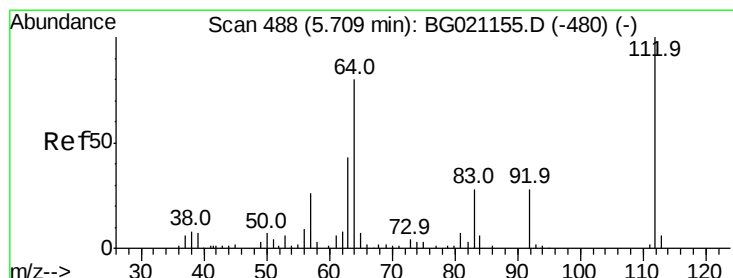
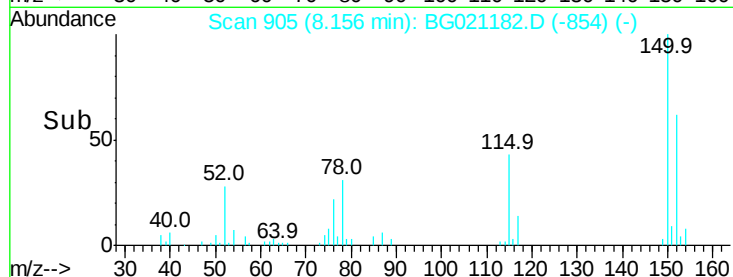
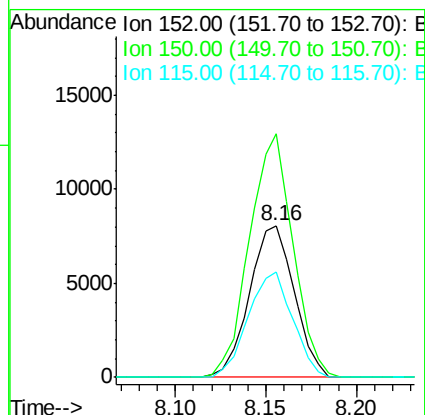
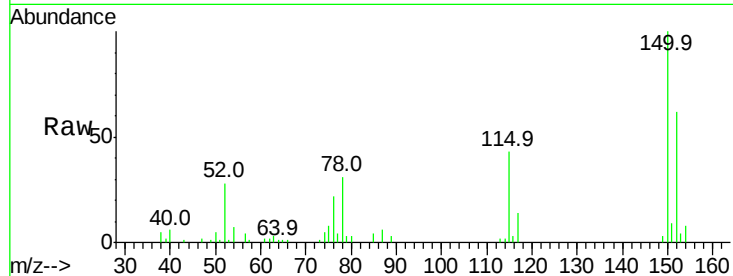
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.16 min Scan# 905
Delta R.T. -0.00 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	123.4	185.2
115	69.6	43.3	64.9#

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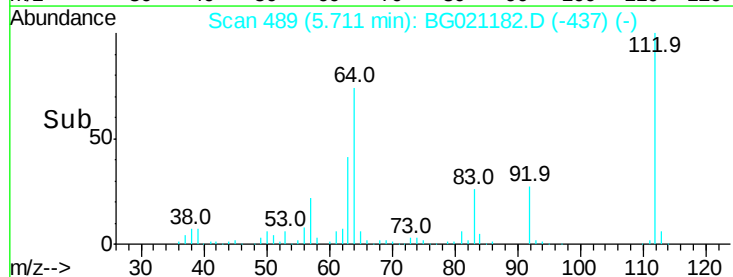
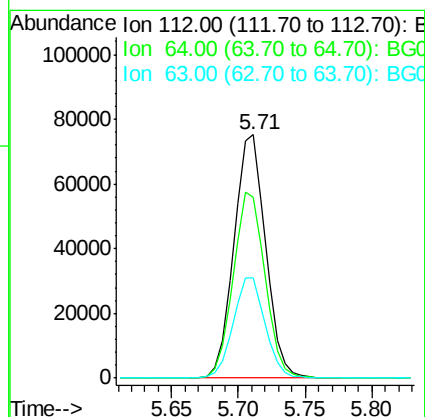
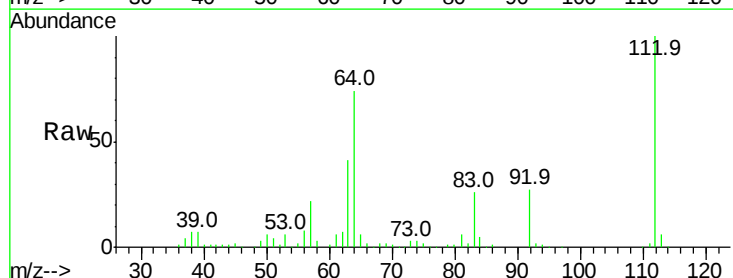
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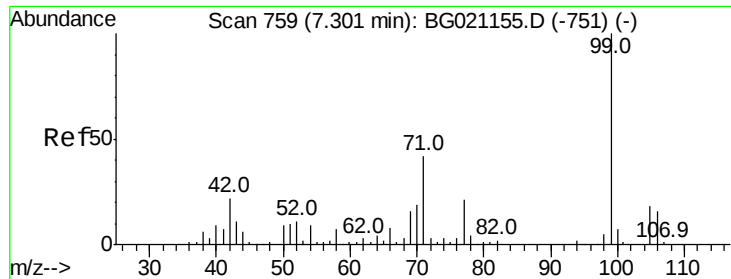


#5

2-Fluorophenol
Concen: 142.75 ng
RT: 5.71 min Scan# 489
Delta R.T. 0.00 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.3	42.6	63.8#
63	41.3	21.7	32.5#





#7

Phenol-d6

Concen: 131.96 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Instrument :

BNA_G

ClientSampleId :

40050+15(0-2)RE

Tot Ion: 99 Resp: 188401

Ion Ratio Lower Upper

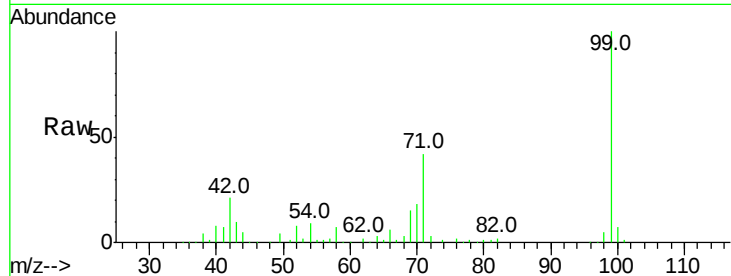
99 100

42 20.8 13.2 19.8#

71 42.3 25.2 37.8#

Manual Integrations
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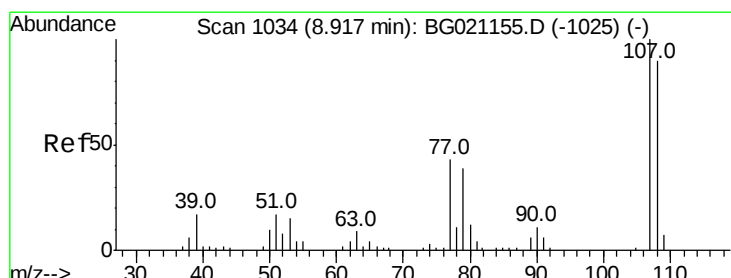
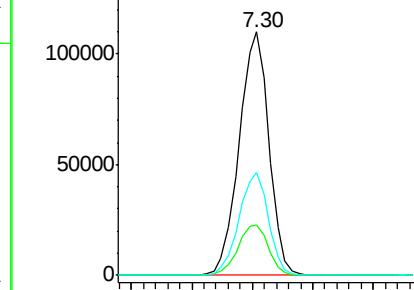
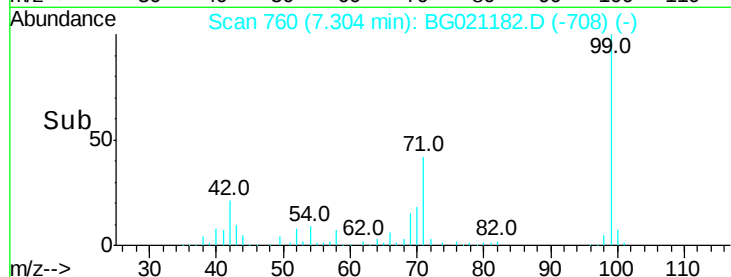
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Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#20

3+4-Methylphenols

Concen: 2.72 ng

RT: 8.90 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Tgt Ion:107 Resp: 4057

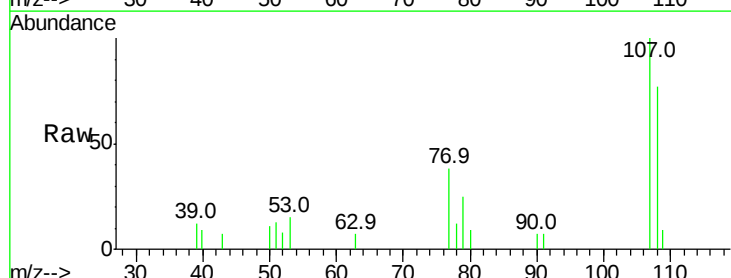
Ion Ratio Lower Upper

107 100

108 77.1 67.6 107.6

77 38.0 14.4 54.4

79 25.3 7.7 47.7

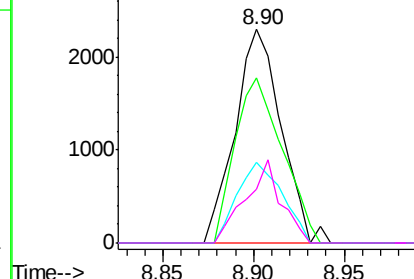
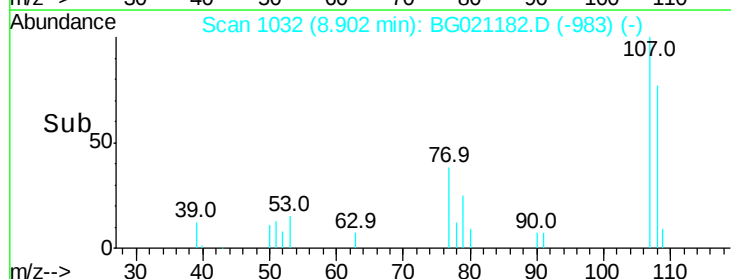


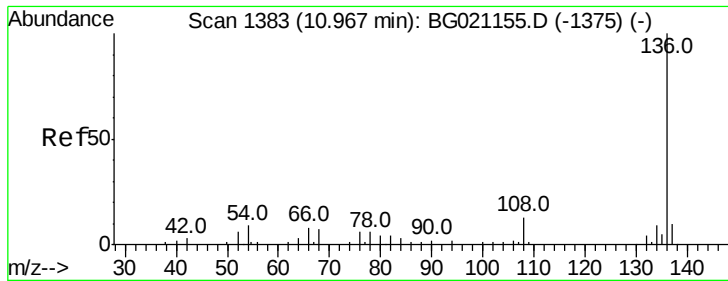
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG021182.D

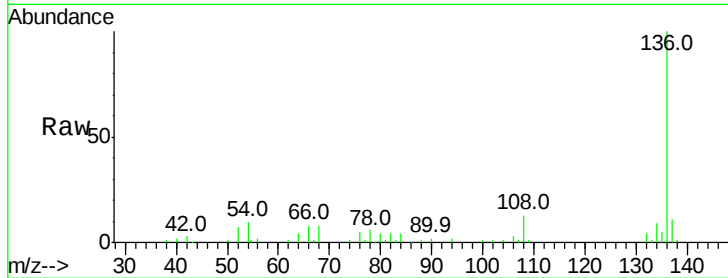
Acq: 1 Mar 2016 10:46

Instrument :

BNA_G

ClientSampleId :

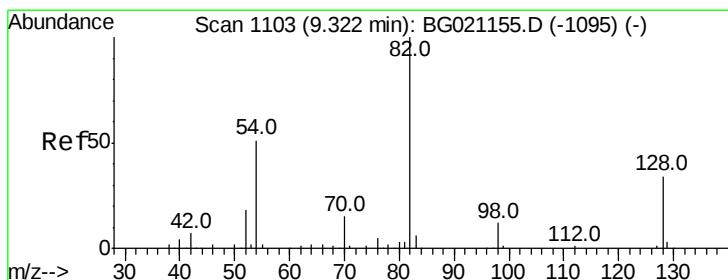
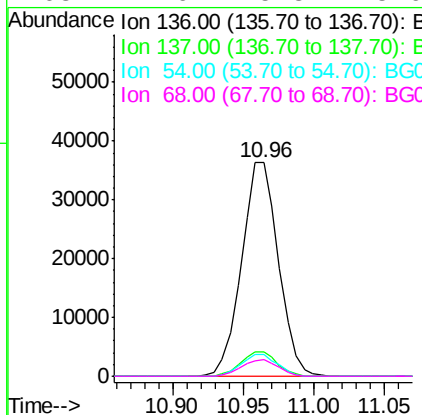
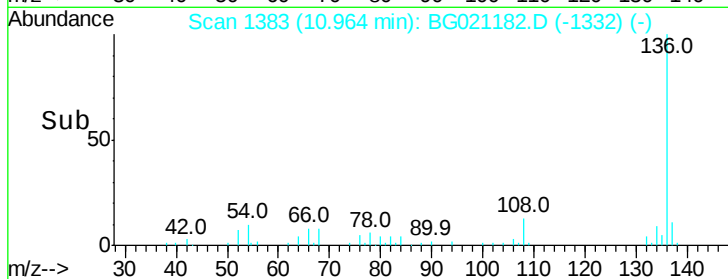
40050+15(0-2)RE



Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.8	13.2	
54	10.5	6.9	10.3	
68	7.6	5.8	8.6	

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#23

Nitrobenzene-d5

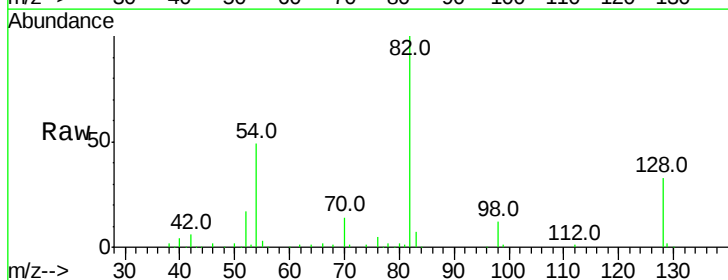
Concen: 86.61 ng

RT: 9.31 min Scan# 1102

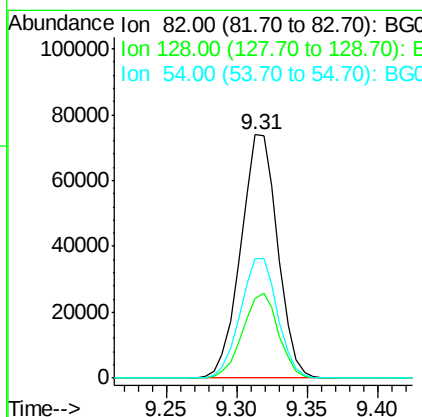
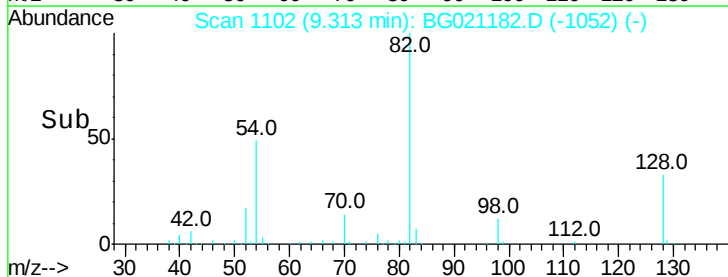
Delta R.T. -0.01 min

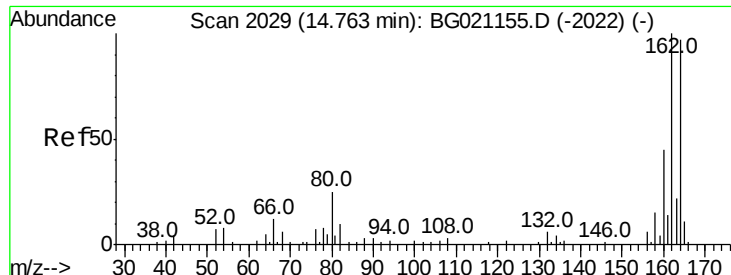
Lab File: BG021182.D

Acq: 1 Mar 2016 10:46



Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	32.7	36.3	54.5	
54	49.2	37.6	56.4	





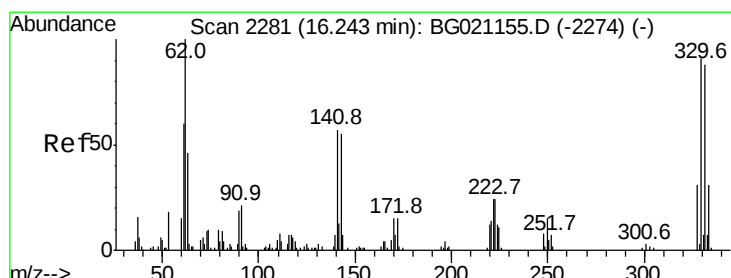
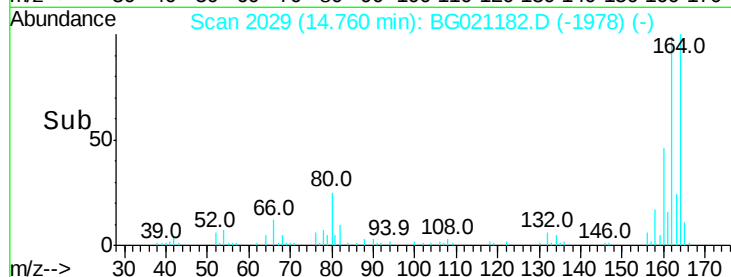
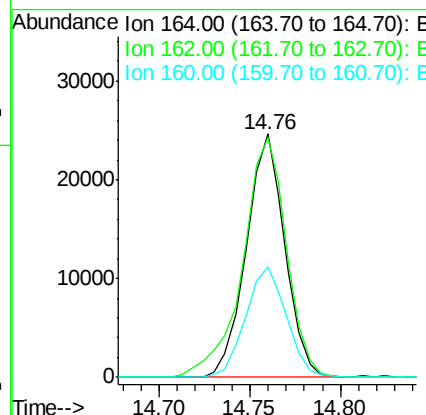
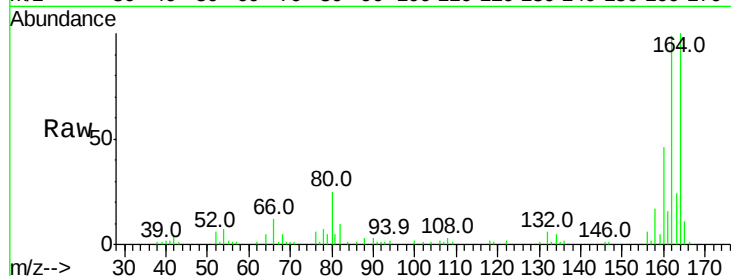
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.76 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.6	120.8
160	45.6	36.5	54.7

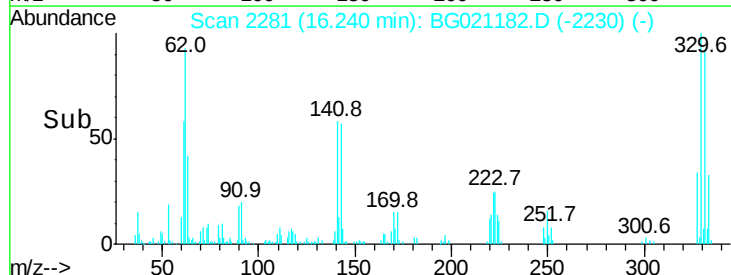
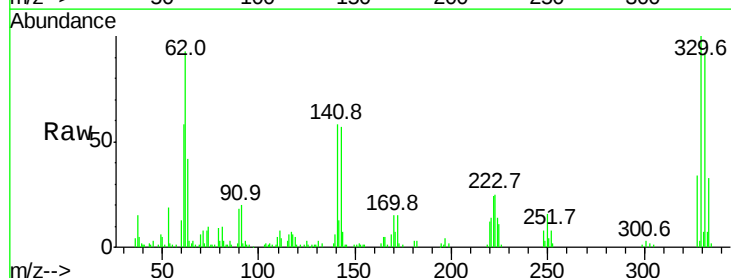
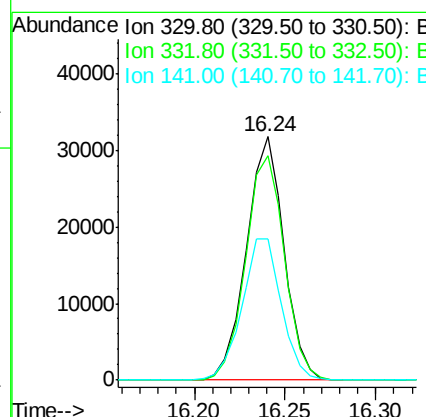
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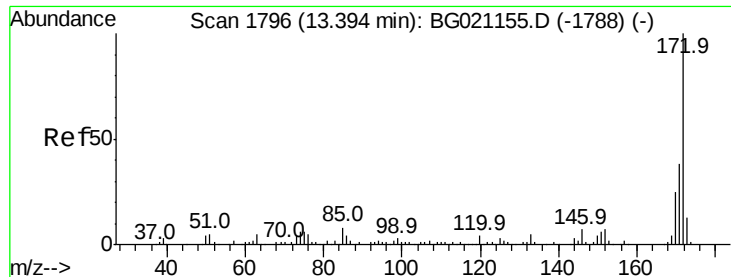
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#41
2,4,6-Tribromophenol
Concen: 120.77 ng
RT: 16.24 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.4	116.0
141	60.7	35.3	52.9#





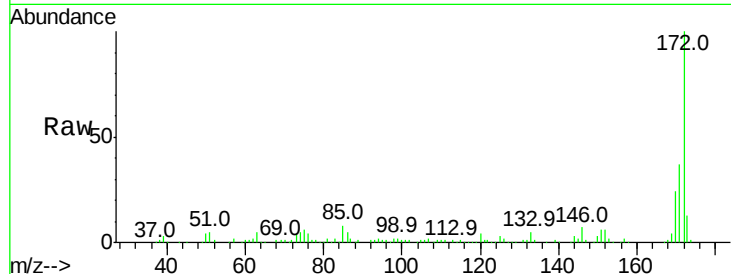
#44
 2-Fluorobiphenyl
 Concen: 80.90 ng
 RT: 13.38 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG021182.D
 Acq: 1 Mar 2016 10:46

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

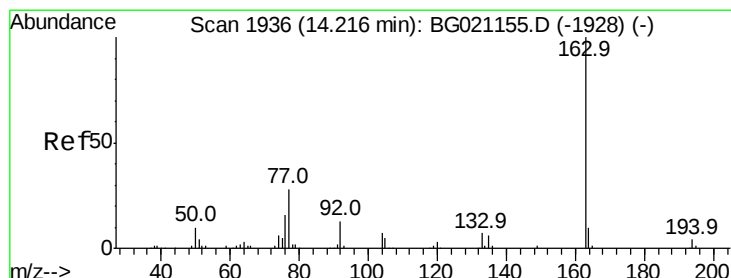
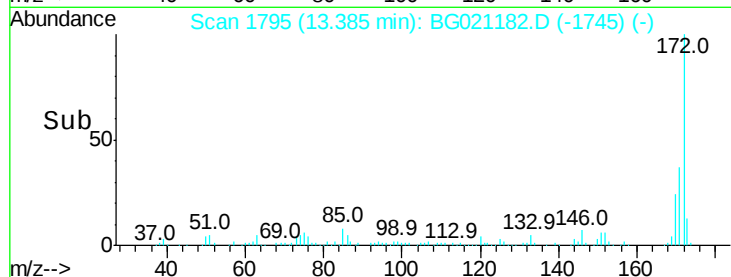
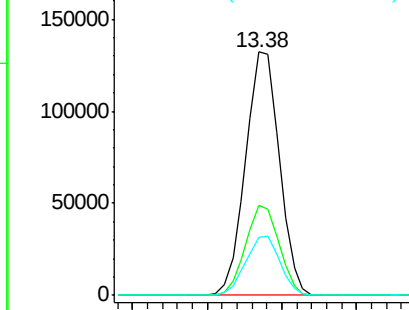
Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.9	29.4	44.0
170	23.7	19.8	29.8

Manual Integrations
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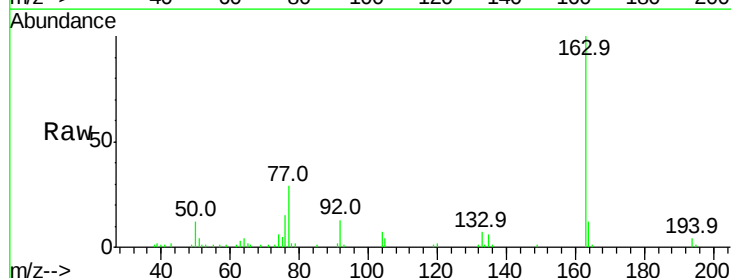


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

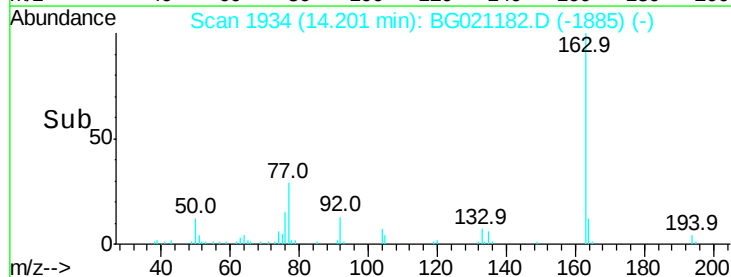
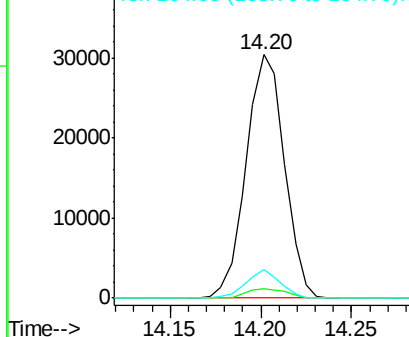


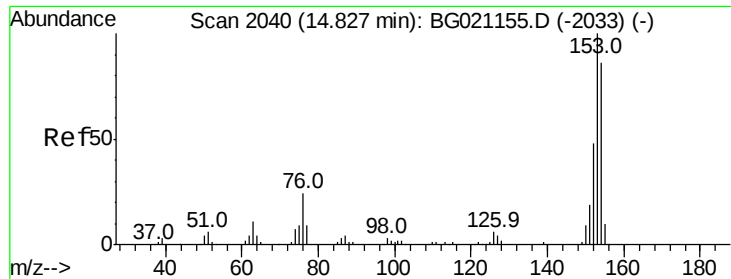
#49
 Dimethylphthalate
 Concen: 13.76 ng
 RT: 14.20 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BG021182.D
 Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.9	2.8	4.2
164	11.7	7.9	11.9



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





#51

Acenaphthene

Concen: 2.40 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Instrument :

BNA_G

ClientSampleId :

40050+15(0-2)RE

Tot Ion:154 Resp: 5786

Ion Ratio Lower Upper

154 100

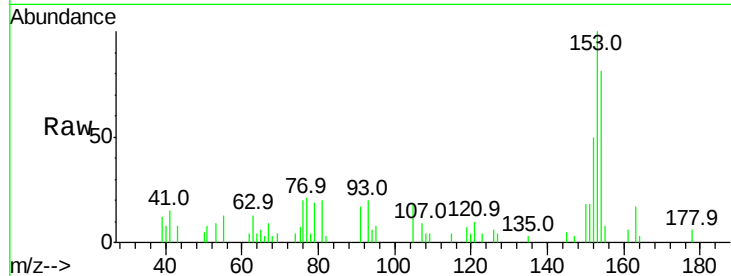
153 122.9 94.2 141.2

152 60.9 42.9 64.3

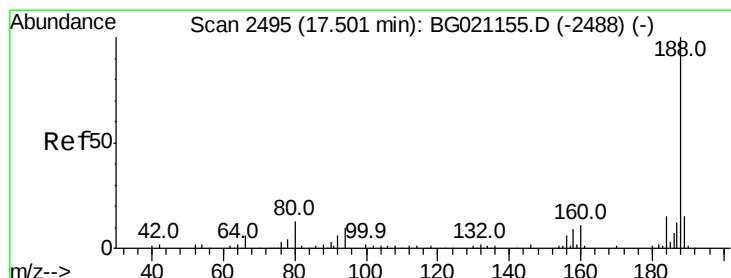
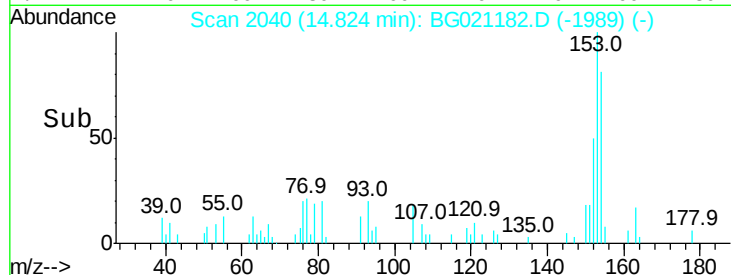
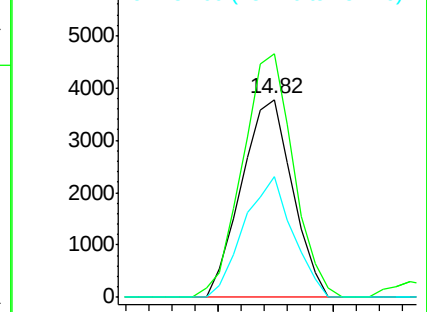
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.01 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

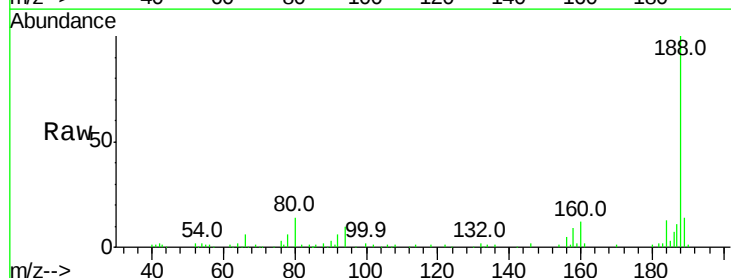
Tgt Ion:188 Resp: 76211

Ion Ratio Lower Upper

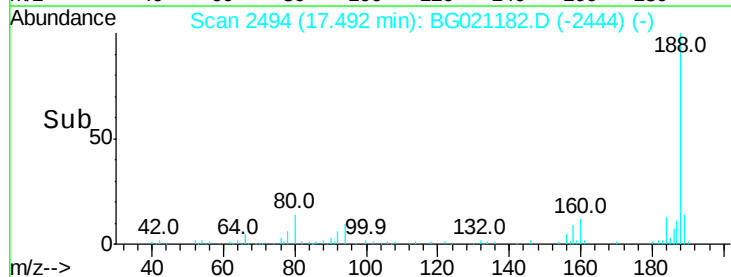
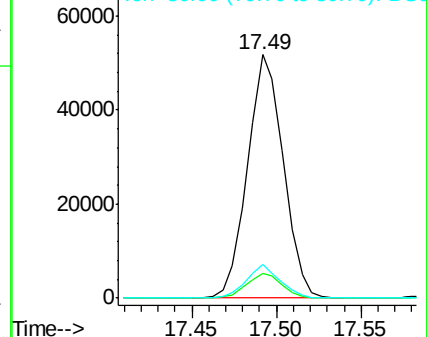
188 100

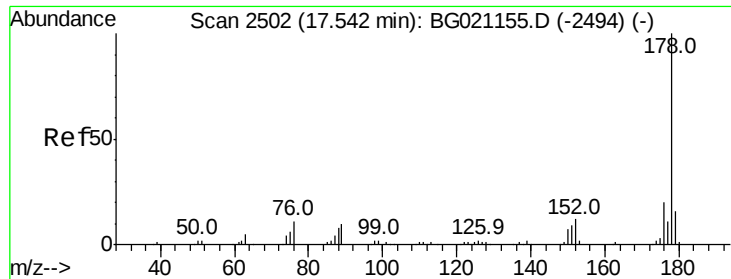
94 10.2 8.2 12.4

80 14.0 9.2 13.8#



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





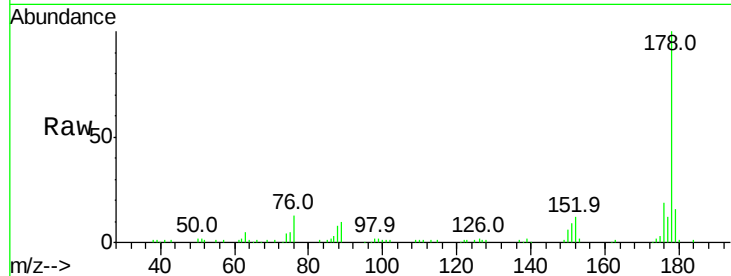
#70
Phenanthrene
Concen: 17.57 ng
RT: 17.53 min Scan# 2501
Delta R.T. -0.01 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

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

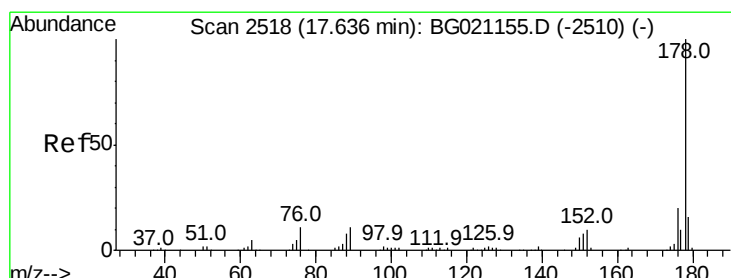
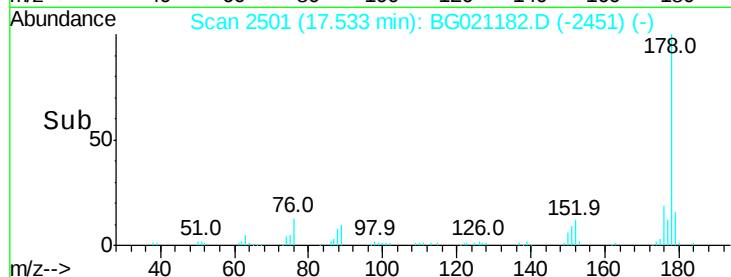
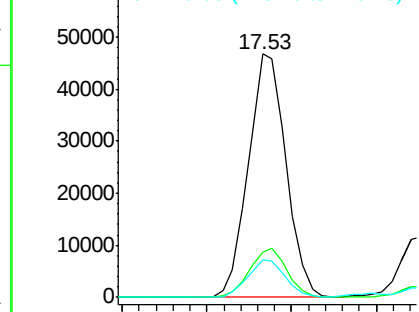
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	15.6	12.9	19.3

Manual Integrations
APPROVED

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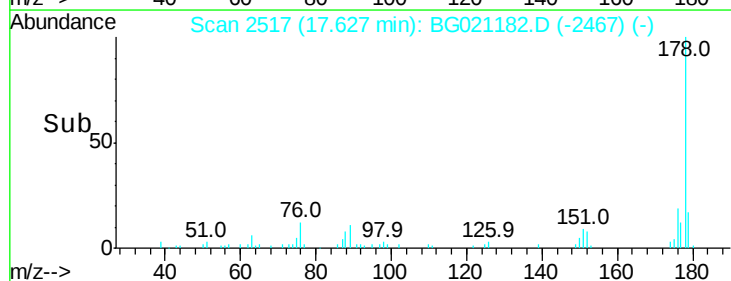
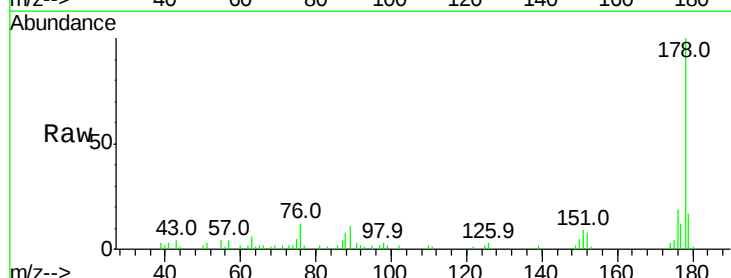
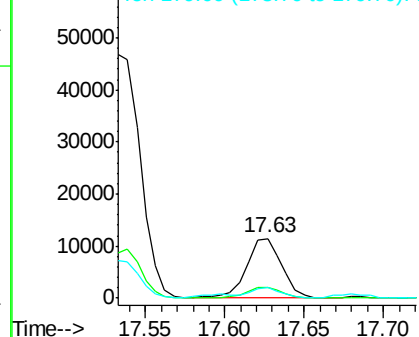
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

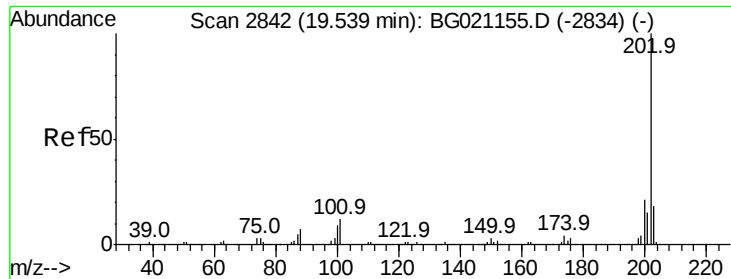


#71
Anthracene
Concen: 4.21 ng
RT: 17.63 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	16.8	12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 21.20 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Instrument :

BNA_G

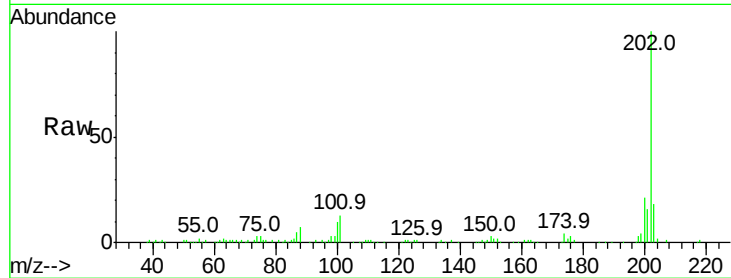
ClientSampleId :

40050+15(0-2)RE

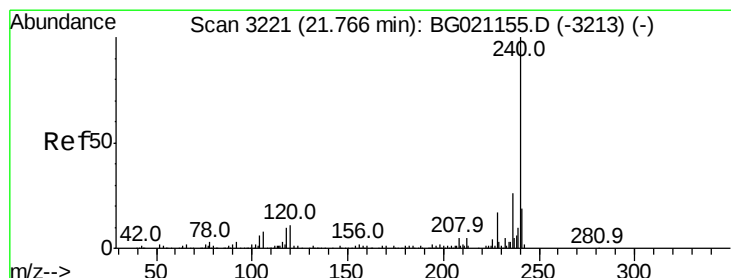
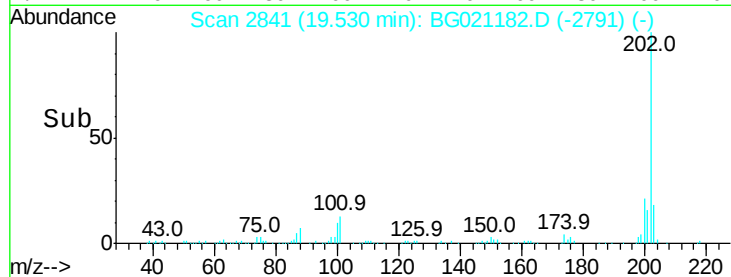
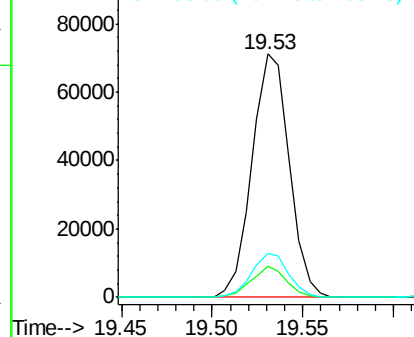
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	32.5
203	17.9	0.0	37.6

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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

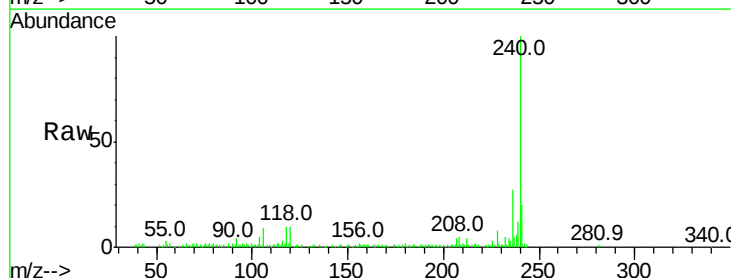
RT: 21.76 min Scan# 3220

Delta R.T. -0.01 min

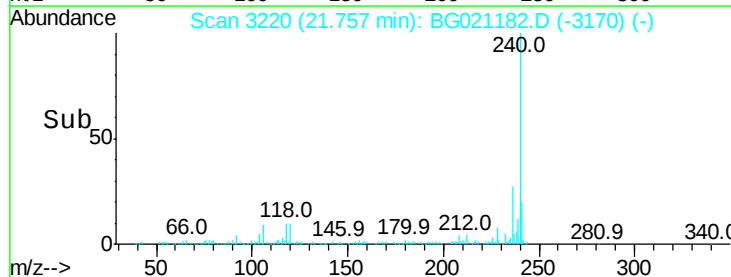
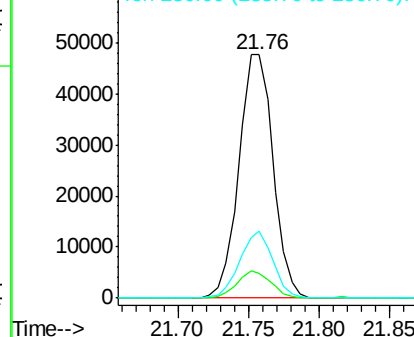
Lab File: BG021182.D

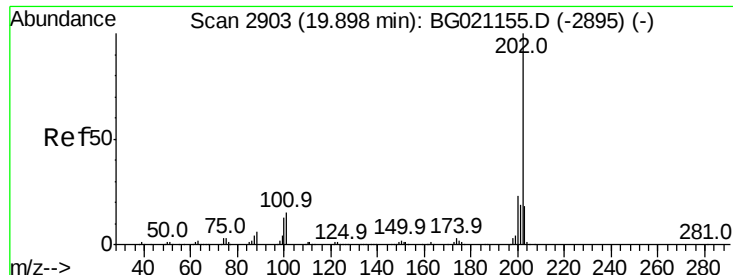
Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	7.5	11.3
236	27.3	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: 16.92 ng

RT: 19.89 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Instrument :

BNA_G

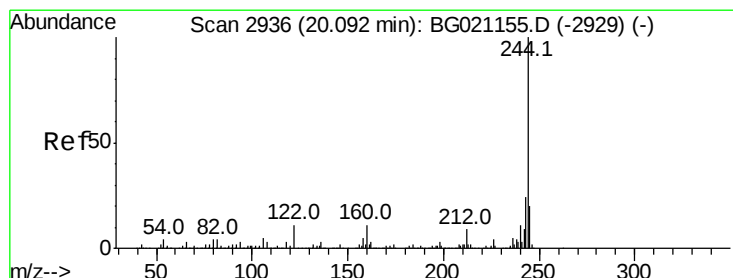
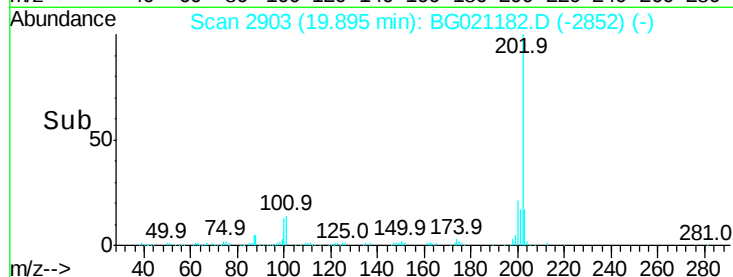
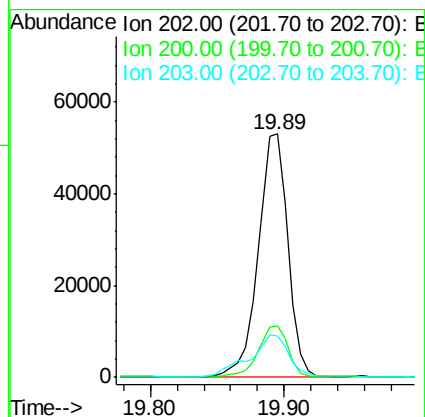
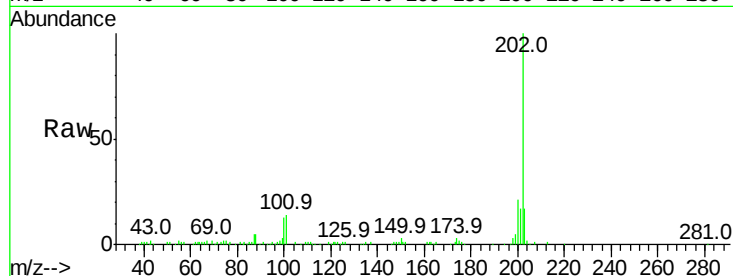
ClientSampleId :

40050+15(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.2	16.6	25.0	
203	16.8	13.8	20.8	

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#78

Terphenyl-d14

Concen: 73.86 ng

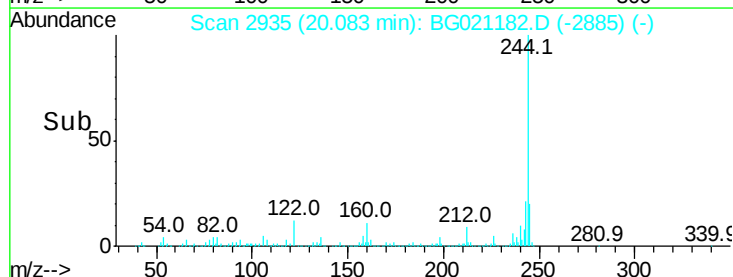
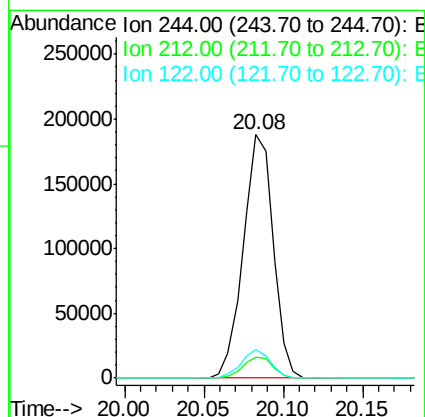
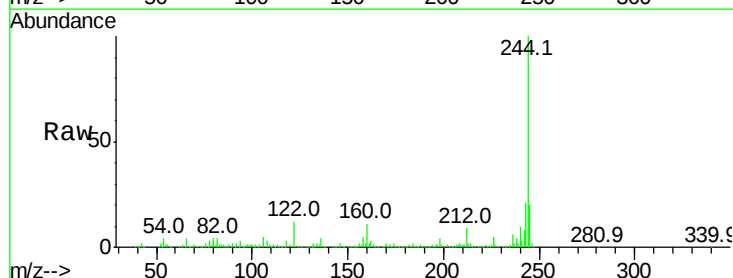
RT: 20.08 min Scan# 2935

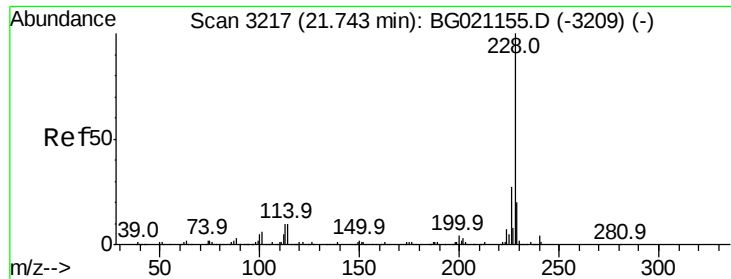
Delta R.T. -0.01 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.6	5.8	8.6	
122	11.9	8.3	12.5	





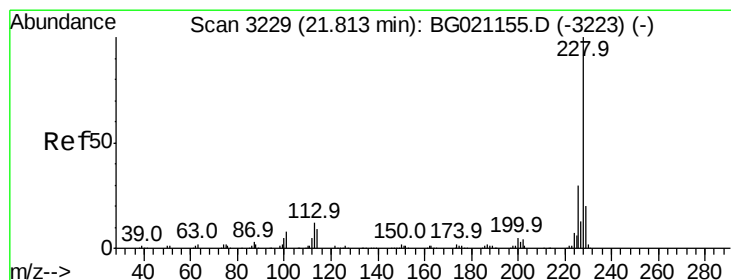
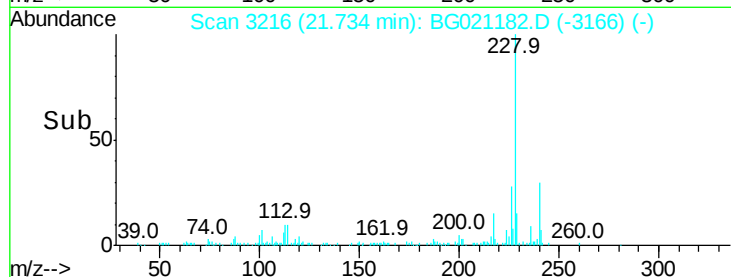
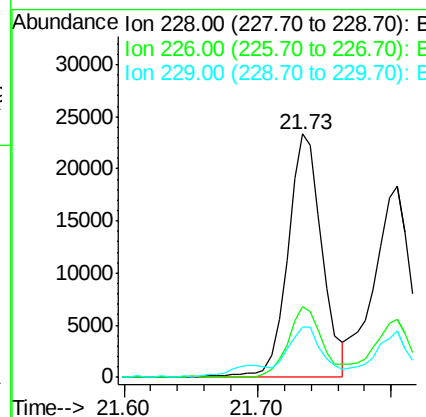
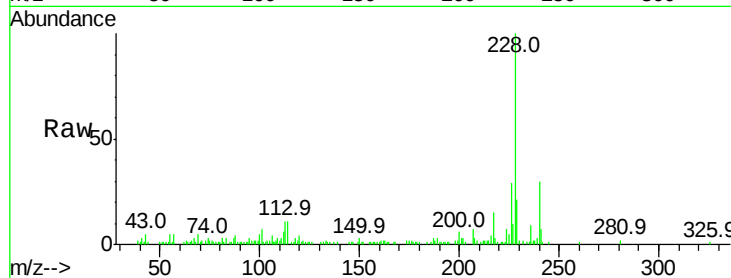
#80
Benzo(a)anthracene
Concen: 8.68 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.7	34.1
229	20.7	15.5	23.3

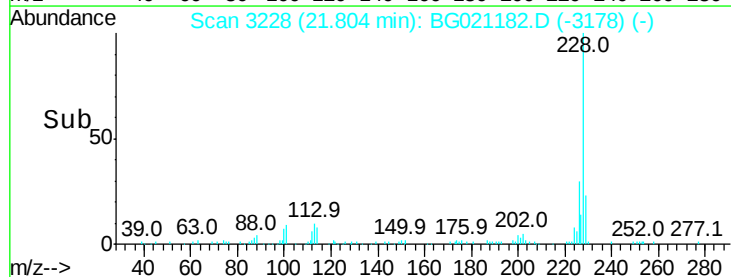
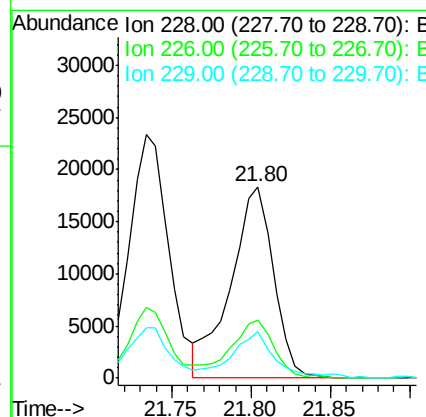
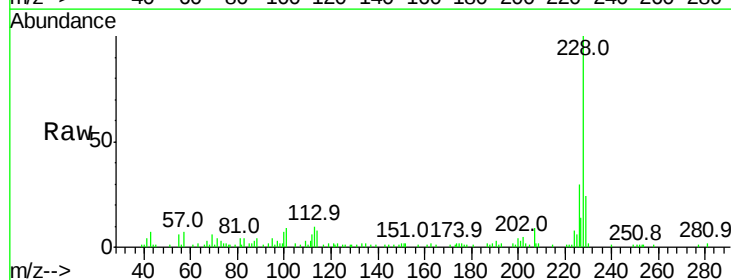
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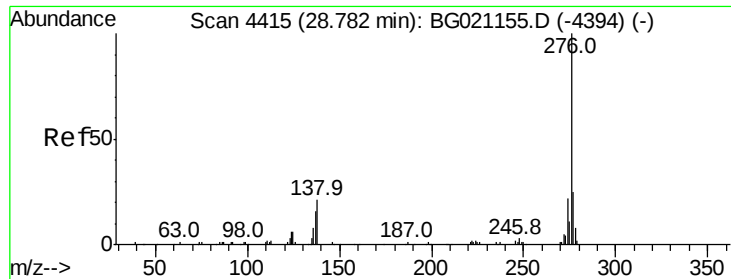
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#82
Chrysene
Concen: 7.64 ng
RT: 21.80 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	24.1	16.7	25.1





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.92 ng

RT: 28.75 min Scan# 4411

Delta R.T. -0.03 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Instrument :

BNA_G

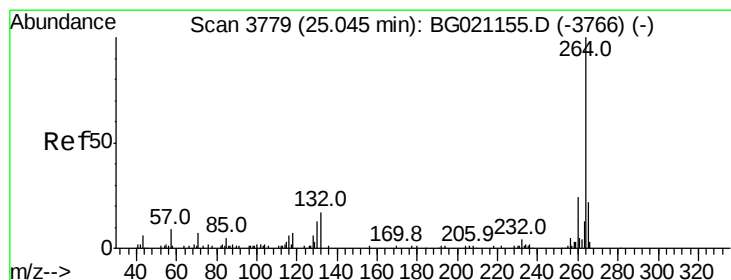
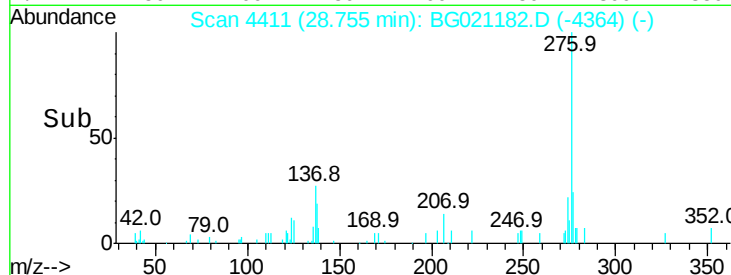
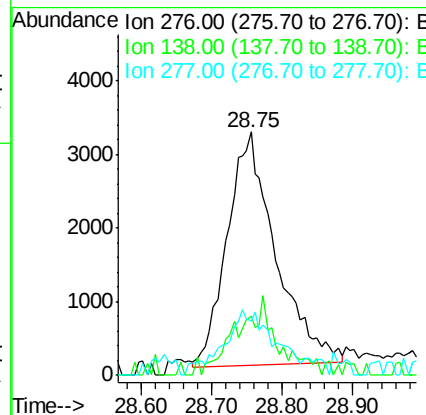
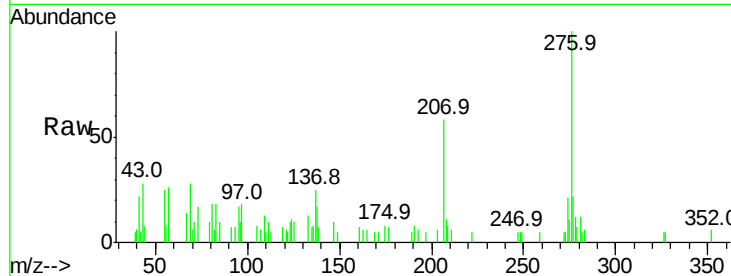
ClientSampleId :

40050+15(0-2)RE

Tot Ion:	276	Resp:	15135
Ion Ratio	Lower	Upper	
276	100		
138	0.9	0.0	0.0#
277	28.9	0.0	0.0#

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#86

Perylene-d12

Concen: 20.00 ng

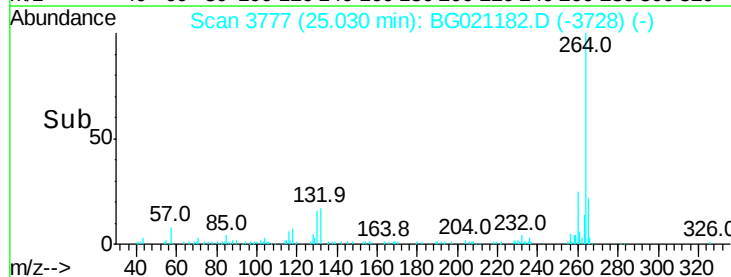
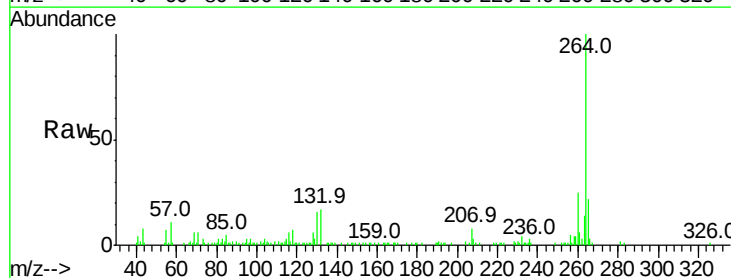
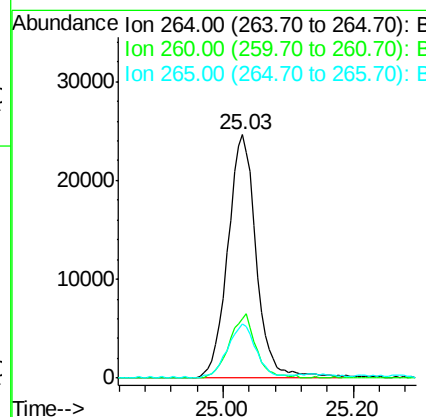
RT: 25.03 min Scan# 3777

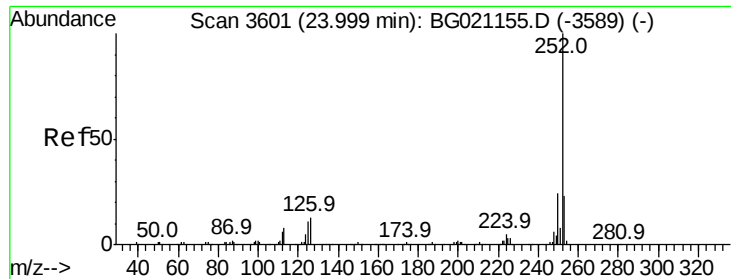
Delta R.T. -0.01 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Tgt Ion:	264	Resp:	74692
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.5	27.7
265	22.2	18.6	28.0





#87

Benzo(b)fluoranthene

Concen: 9.57 ng

RT: 23.99 min Scan# 3600

Delta R.T. -0.01 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Instrument :

BNA_G

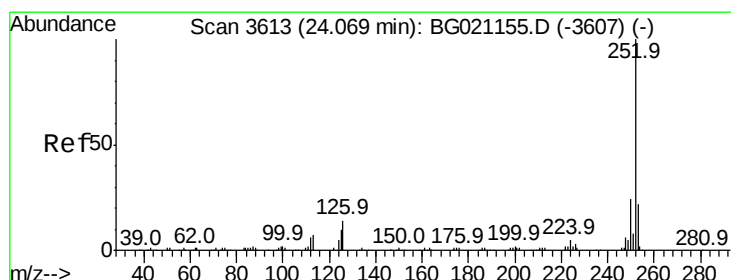
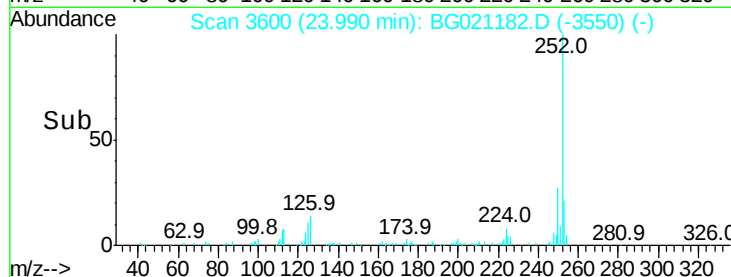
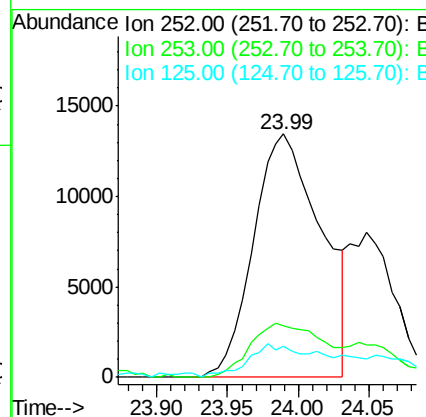
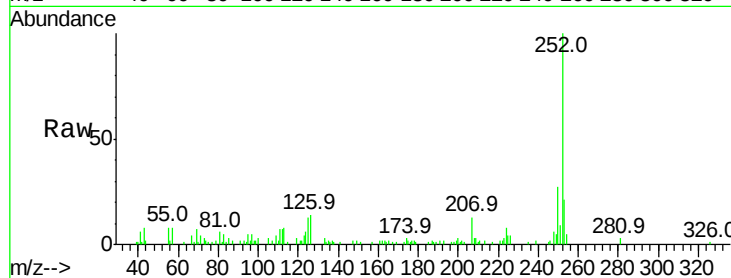
ClientSampleId :

40050+15(0-2)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	12.7	8.2	12.2#

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#88

Benzo(k)fluoranthene

Concen: 3.87 ng m

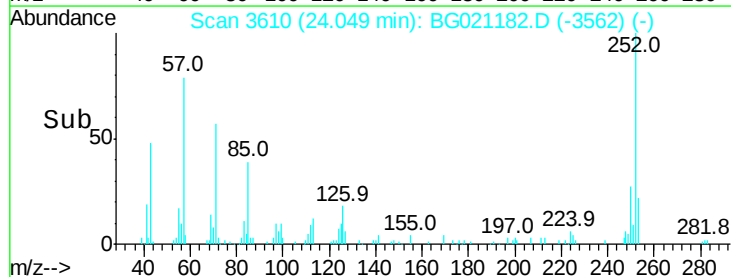
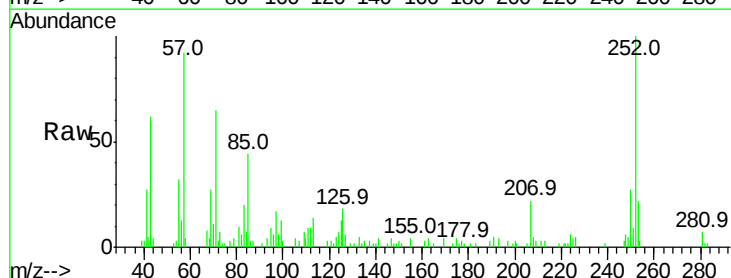
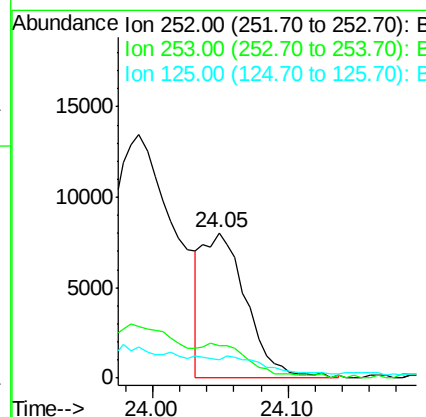
RT: 24.05 min Scan# 3610

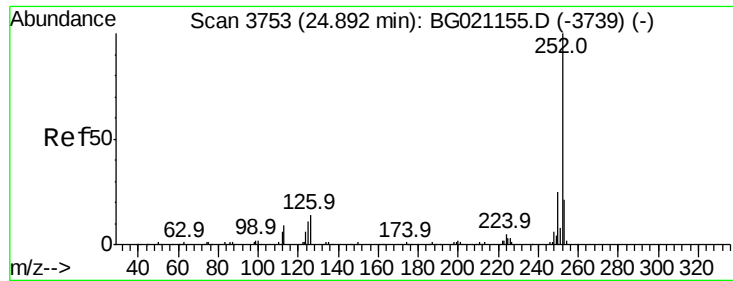
Delta R.T. -0.02 min

Lab File: BG021182.D

Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.4	24.6
125	12.8	8.2	12.2#





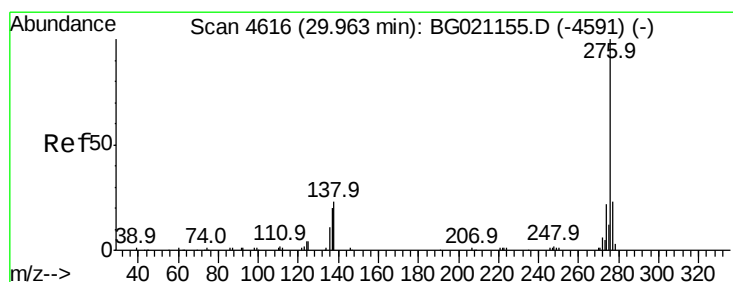
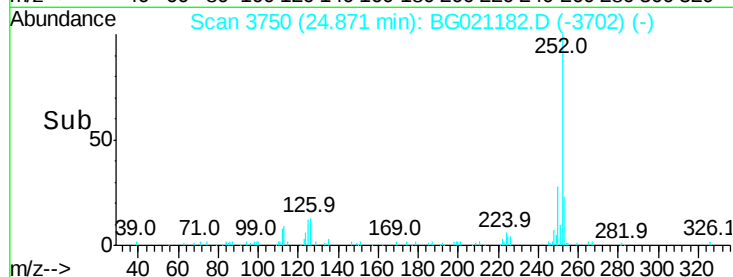
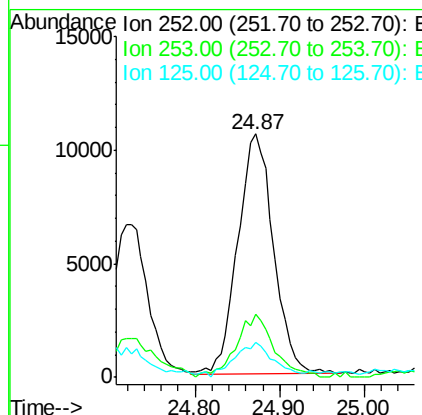
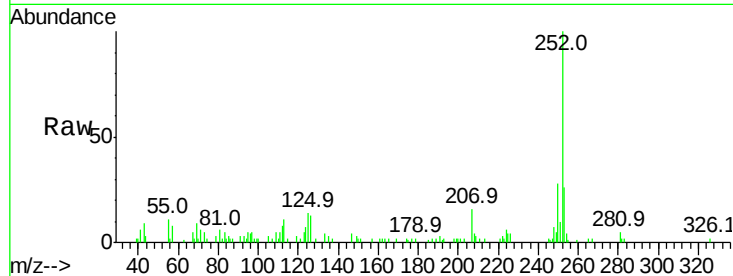
#89
Benzo(a)pyrene
Concen: 6.83 ng
RT: 24.87 min Scan# 3750
Delta R.T. -0.02 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

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

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.7	15.8	23.8#
125	14.3	8.4	12.6#

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#91
Benzo(g,h,i)perylene
Concen: 3.02 ng
RT: 29.92 min Scan# 4609
Delta R.T. -0.04 min
Lab File: BG021182.D
Acq: 1 Mar 2016 10:46

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	16.6	25.0
138	21.1	14.6	21.8

