

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
 Data File : BG021185.D
 Acq On : 1 Mar 2016 12:44
 Operator : UM/SJ
 Sample : H1521-05RE
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)RE

Manual Integrations
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 3/1/2016 6:51:13 PM

Quant Time: Mar 01 14:49:55 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	15758	20.00	ng	0.00
21) Naphthalene-d8	10.96	136	70561	20.00	ng	0.00
38) Acenaphthene-d10	14.76	164	38281	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	80791	20.00	ng	0.00
75) Chrysene-d12	21.76	240	84409	20.00	ng	0.00
86) Perylene-d12	25.04	264	76171	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	117073	118.11	ng	0.00
7) Phenol-d6	7.30	99	177881	109.14	ng	0.00
23) Nitrobenzene-d5	9.32	82	130904	78.50	ng	0.00
41) 2,4,6-Tribromophenol	16.24	330	41807	104.97	ng	0.00
44) 2-Fluorobiphenyl	13.38	172	201950	74.91	ng	0.00
78) Terphenyl-d14	20.08	244	228879	65.69	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.01	128	7555	2.05	ng	98
49) Dimethylphthalate	14.20	163	33593	9.85	ng	100
51) Acenaphthene	14.82	154	7599	2.99	ng	97
54) Dibenzofuran	15.15	168	10095	2.98	ng	# 88
57) Fluorene	15.80	166	11094	3.43	ng	98
70) Phenanthrene	17.54	178	174136	39.94	ng	99
71) Anthracene	17.63	178	27247	6.11	ng	98
72) Carbazole	17.89	167	12972	3.28	ng	# 92
74) Fluoranthene	19.54	202	153565	29.98	ng	98
77) Pyrene	19.89	202	152489	30.28	ng	98
79) Butylbenzylphthalate	20.76	149	60021	23.36	ng	# 83
80) Benzo(a)anthracene	21.73	228	56249	11.26	ng	98
82) Chrysene	21.80	228	57451	12.13	ng	97
85) Indeno(1,2,3-cd)pyrene	28.76	276	18060	3.33	ng	# 100
87) Benzo(b)fluoranthene	24.00	252	51532	10.76	ng	# 94
88) Benzo(k)fluoranthene	24.05	252	23454m	4.89	ng	
89) Benzo(a)pyrene	24.88	252	37763	8.15	ng	# 91

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

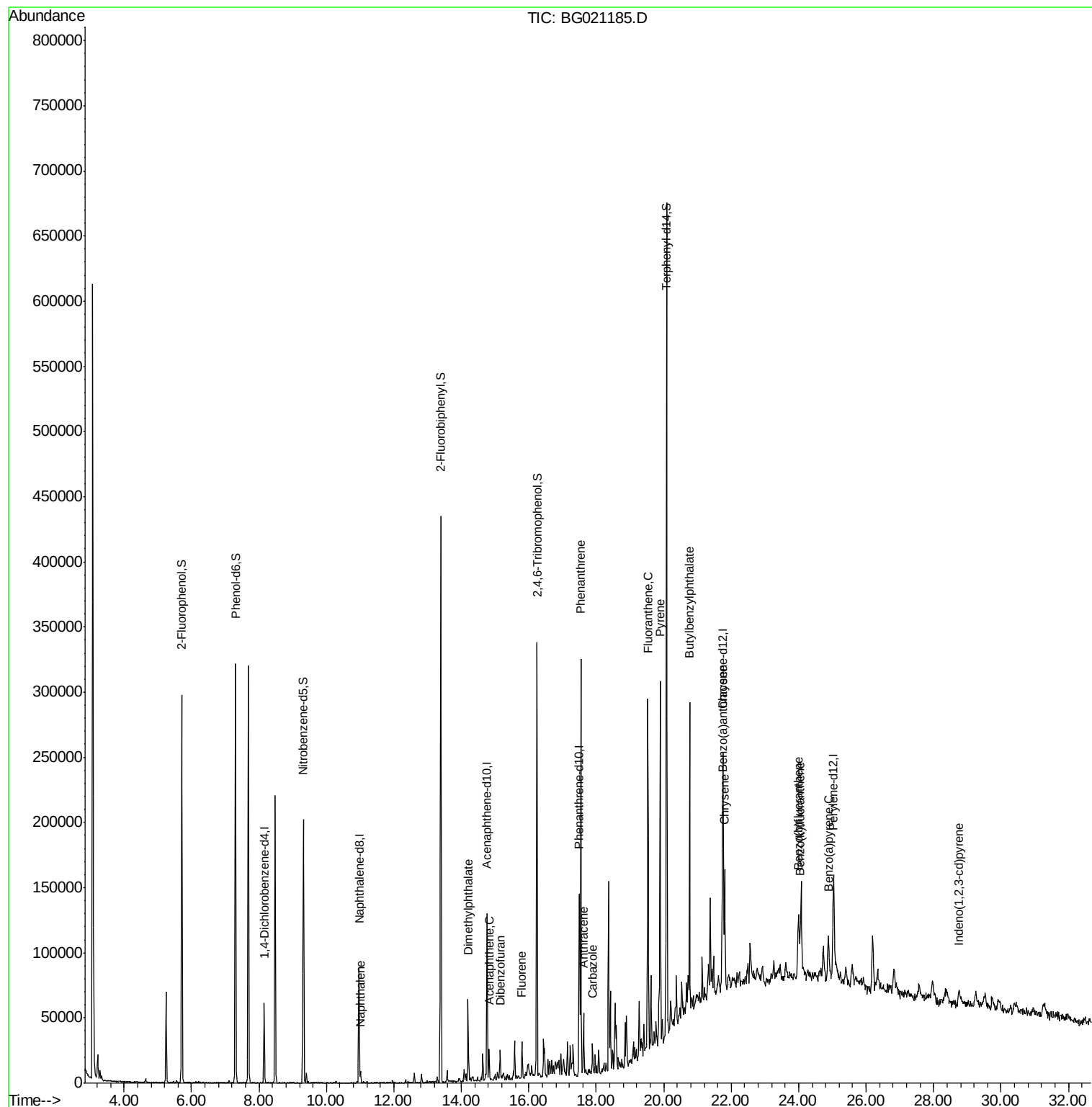
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021185.D
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Sample : H1521-05RE
Misc :
ALS Vial : 31 Sample Multiplier: 1

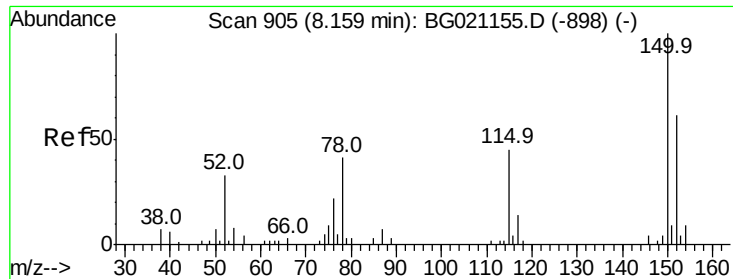
Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

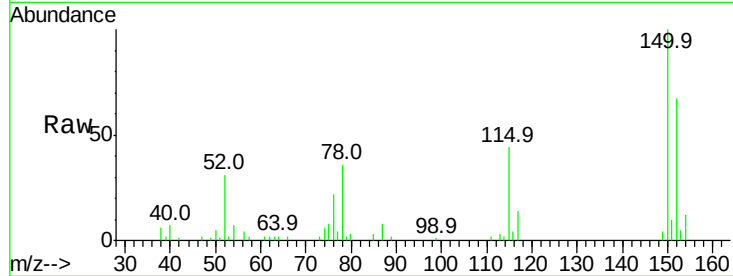
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.16 min Scan# 905
Delta R.T. -0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

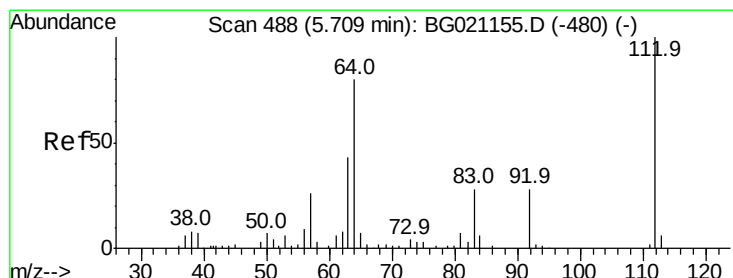
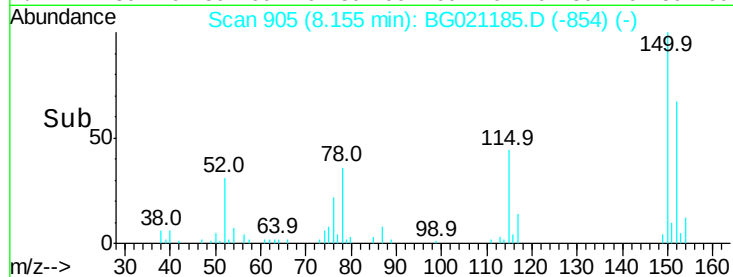
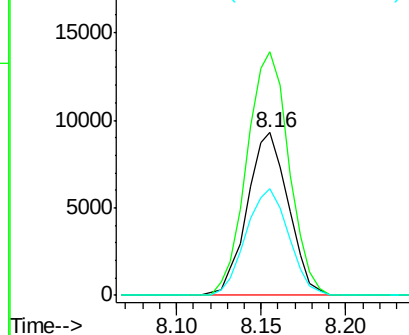
Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	123.4	185.2
115	65.6	43.3	64.9#

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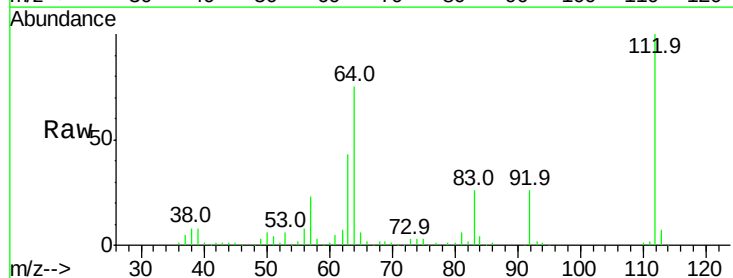
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



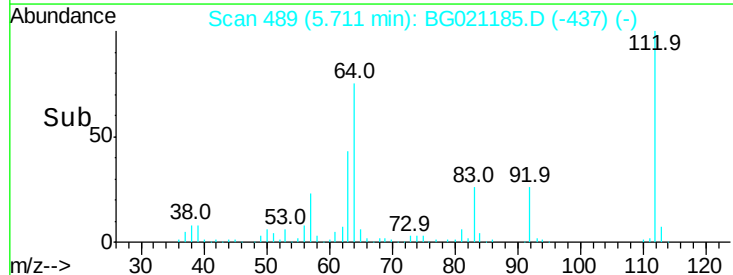
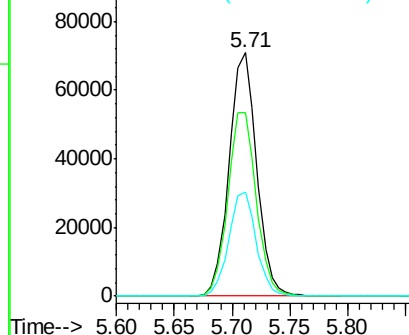
#5

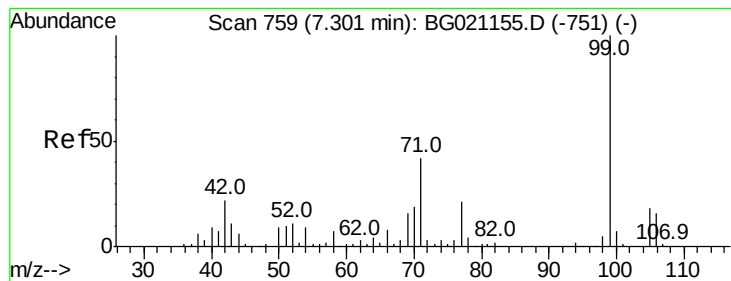
2-Fluorophenol
Concen: 118.11 ng
RT: 5.71 min Scan# 489
Delta R.T. 0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.2	42.6	63.8#
63	42.9	21.7	32.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 109.14 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

ClientSampleId :

SP-2(0-2)RE

Tot Ion: 99 Resp: 177881

Ion Ratio Lower Upper

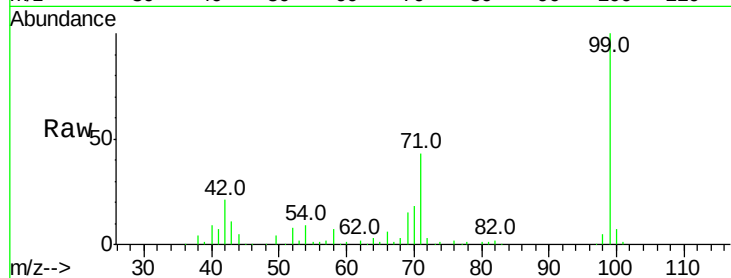
99 100

42 21.1 13.2 19.8#

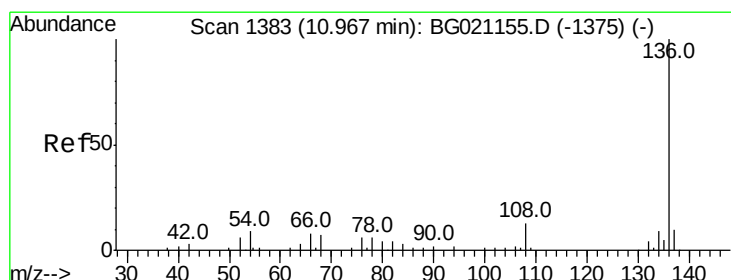
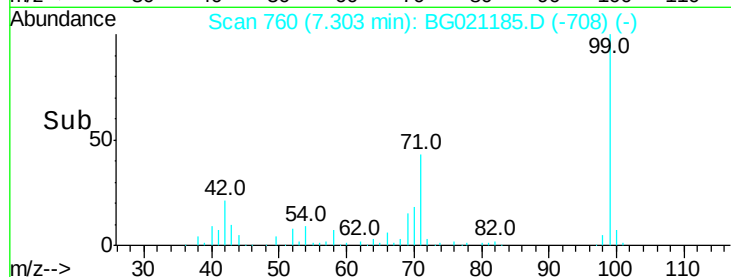
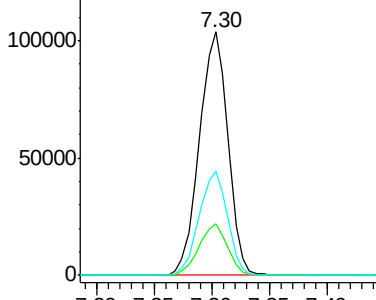
71 43.0 25.2 37.8#

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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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.96 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Tgt Ion:136 Resp: 70561

Ion Ratio Lower Upper

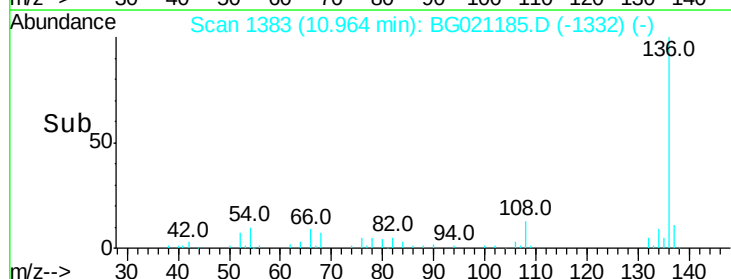
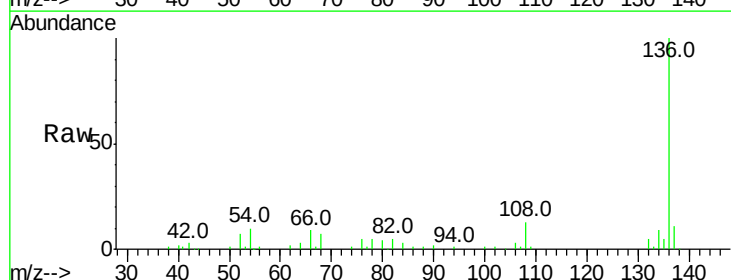
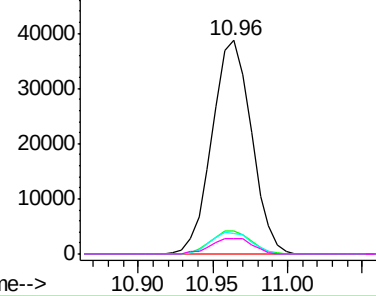
136 100

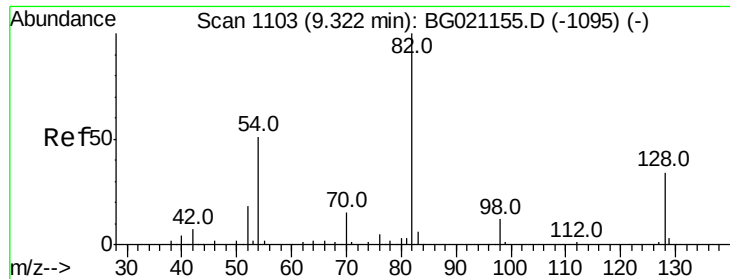
137 10.7 8.8 13.2

54 10.1 6.9 10.3

68 7.2 5.8 8.6

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





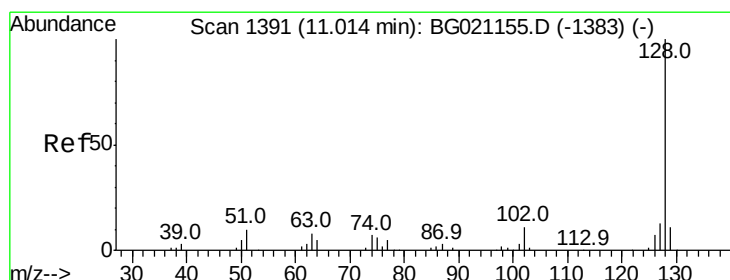
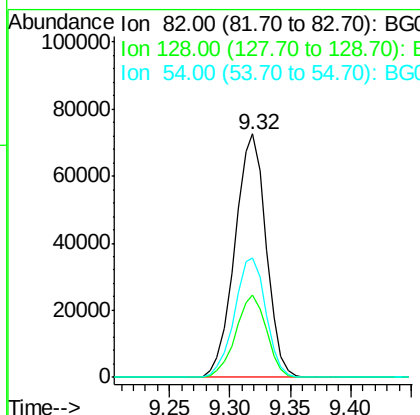
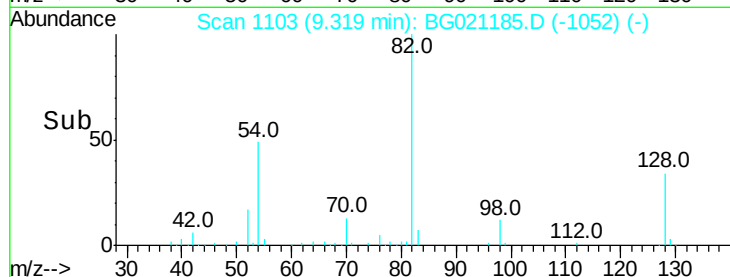
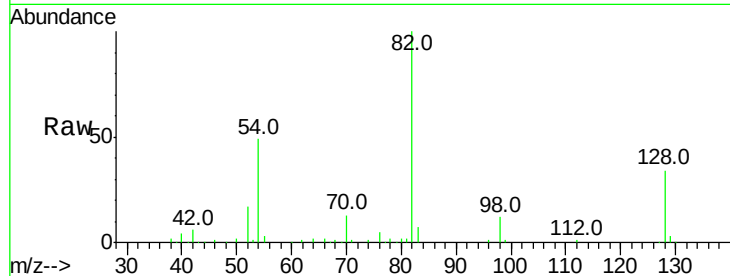
#23
Nitrobenzene-d5
Concen: 78.50 ng
RT: 9.32 min Scan# 1103
Delta R.T. -0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
82	100	130904		
128	34.0	36.3	54.5#	
54	49.0	37.6	56.4	

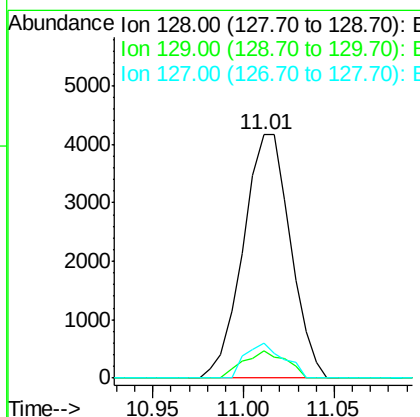
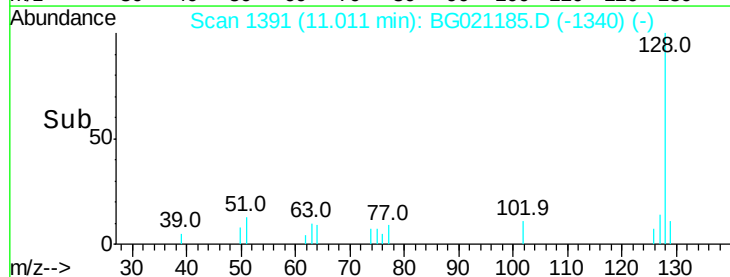
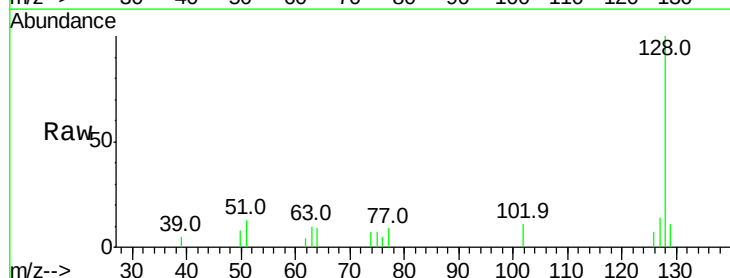
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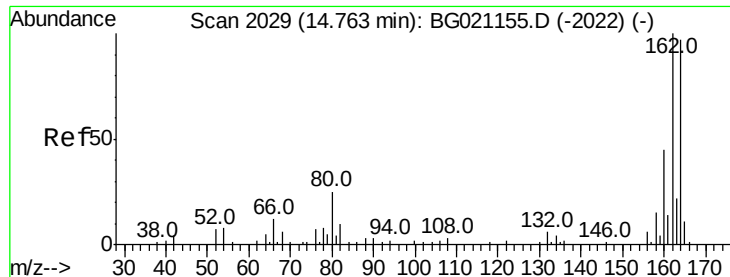
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#31
Naphthalene
Concen: 2.05 ng
RT: 11.01 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	7555		
129	11.1	9.4	14.2	
127	14.2	10.8	16.2	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

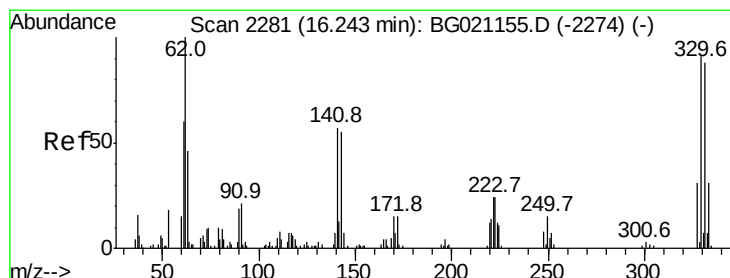
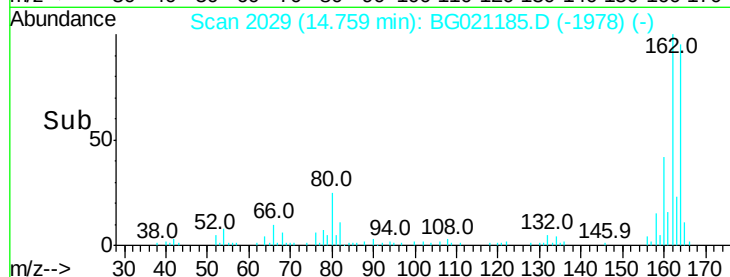
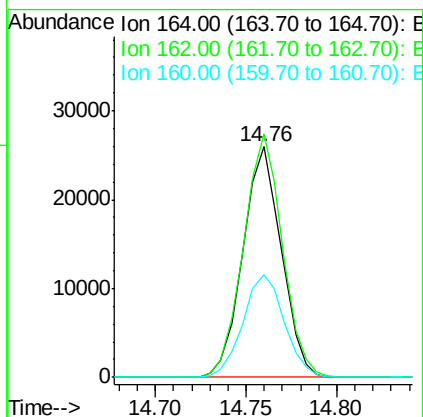
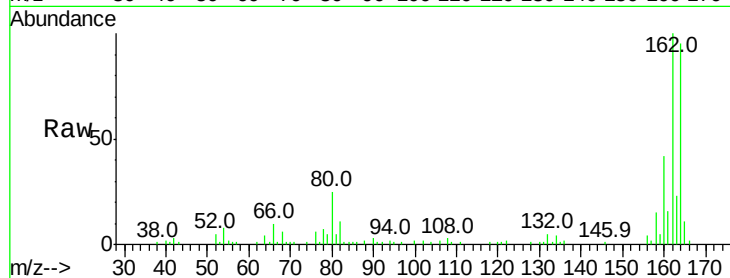
ClientSampleId :

SP-2(0-2)RE

Tot Ion:	164	Resp:	38281
Ion Ratio	Lower	Upper	
164	100		
162	105.8	80.6	120.8
160	44.9	36.5	54.7

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#41

2,4,6-Tribromophenol

Concen: 104.97 ng

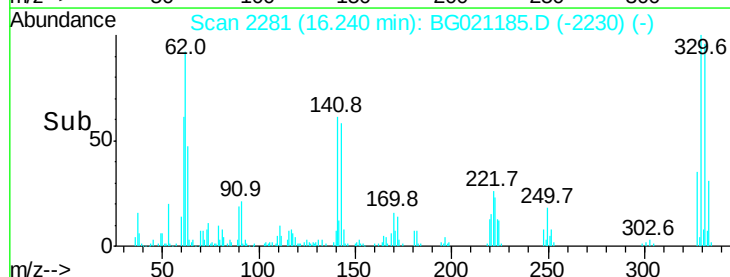
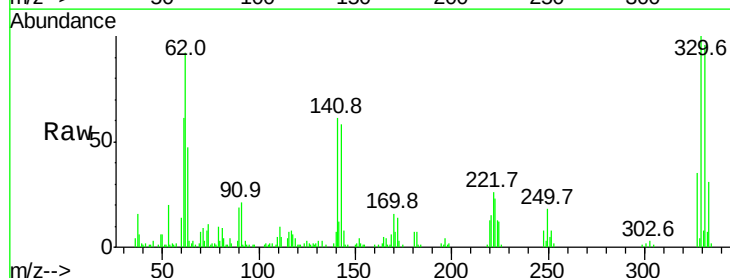
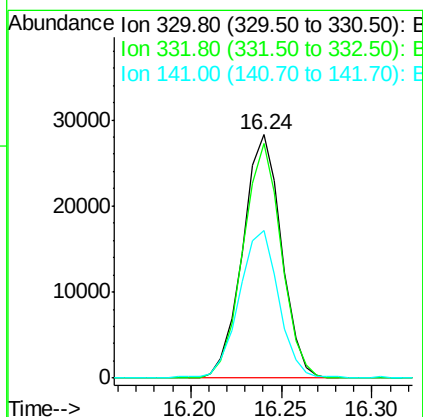
RT: 16.24 min Scan# 2281

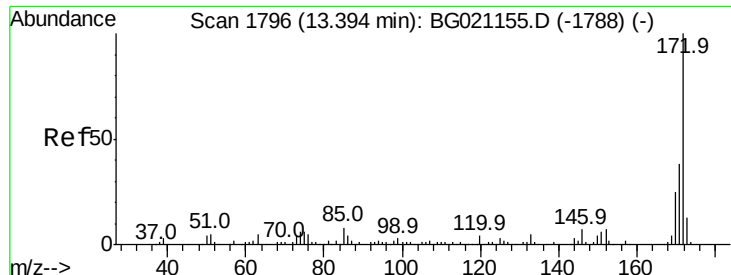
Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Tgt Ion:	330	Resp:	41807
Ion Ratio	Lower	Upper	
330	100		
332	95.3	77.4	116.0
141	62.5	35.3	52.9#





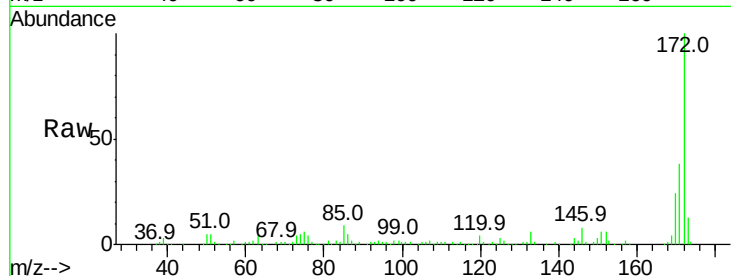
#44
2-Fluorobiphenyl
Concen: 74.91 ng
RT: 13.38 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

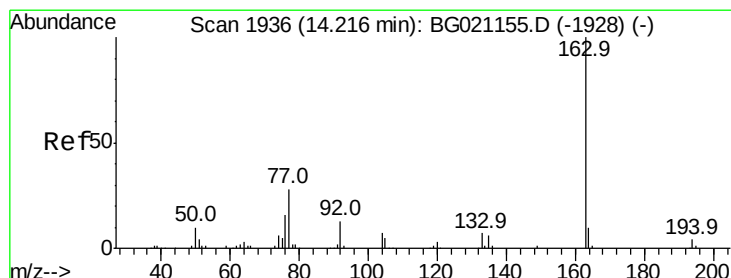
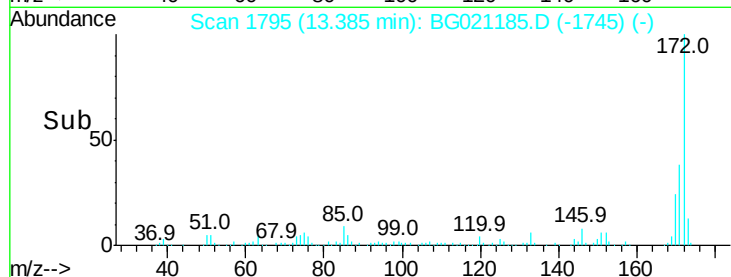
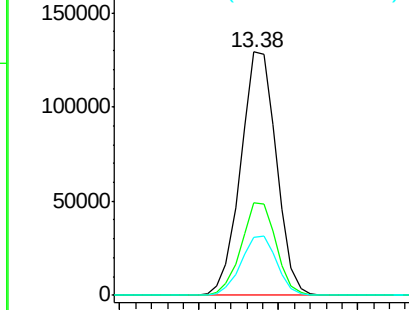
Tot Ion	Ratio	Resp	Lower	Upper
172	100	201950		
171	38.0		29.4	44.0
170	23.6		19.8	29.8

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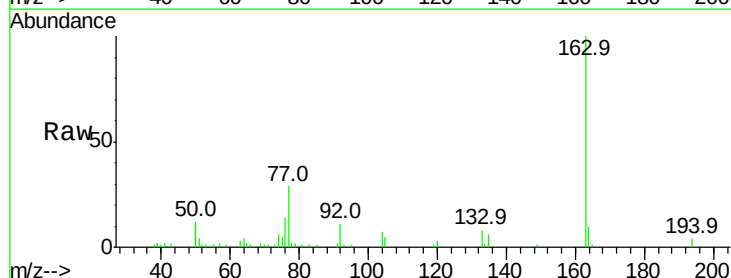


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

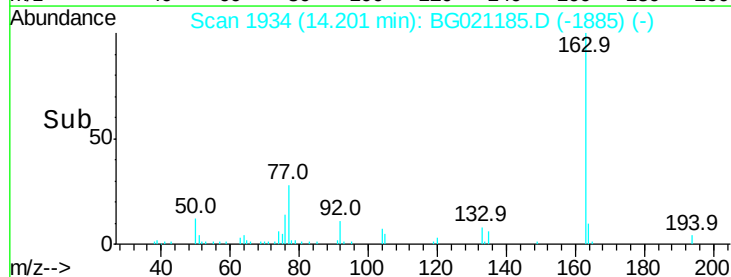
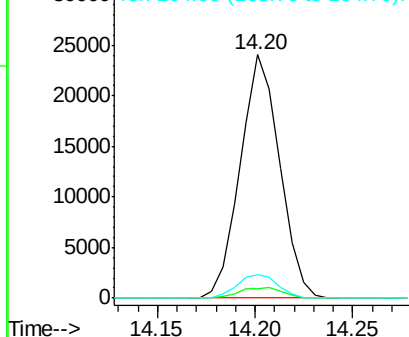


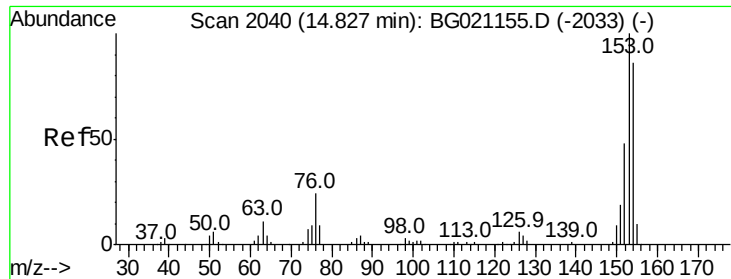
#49
Dimethylphthalate
Concen: 9.85 ng
RT: 14.20 min Scan# 1934
Delta R.T. -0.02 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	33593		
194	3.8		2.8	4.2
164	9.9		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: 2.99 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

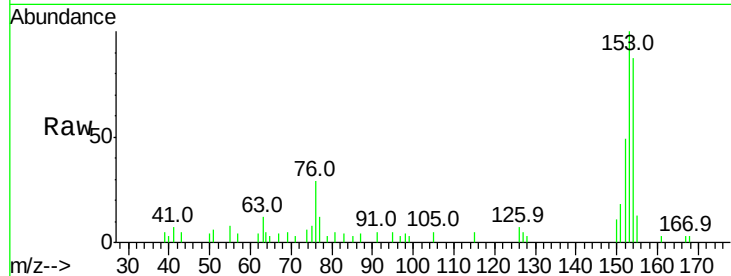
ClientSampleId :

SP-2(0-2)RE

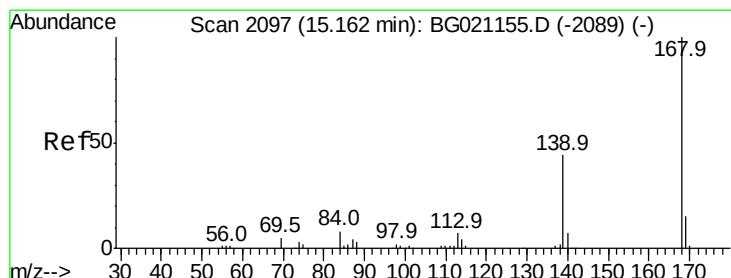
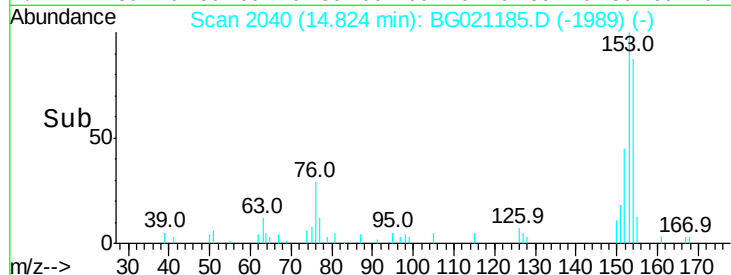
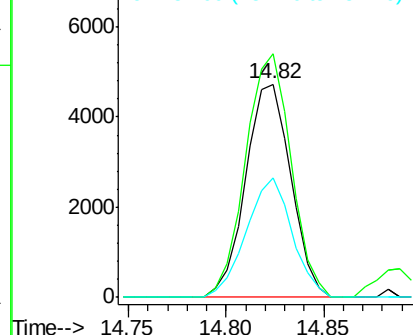
Tot Ion:	154	Resp:	7599
Ion	Ratio	Lower	Upper
154	100		
153	114.3	94.2	141.2
152	55.9	42.9	64.3

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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



#54

Dibenzofuran

Concen: 2.98 ng

RT: 15.15 min Scan# 2096

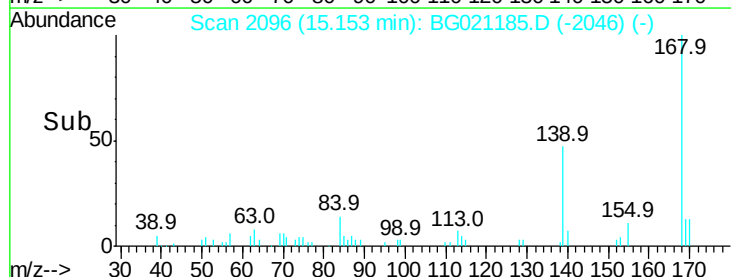
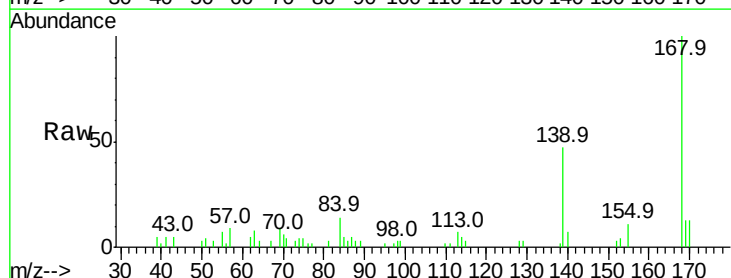
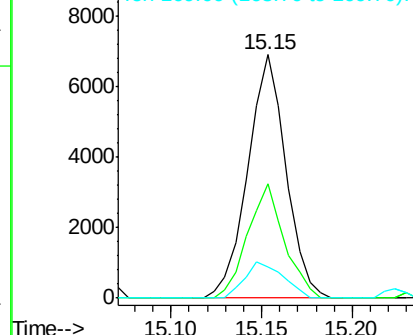
Delta R.T. -0.01 min

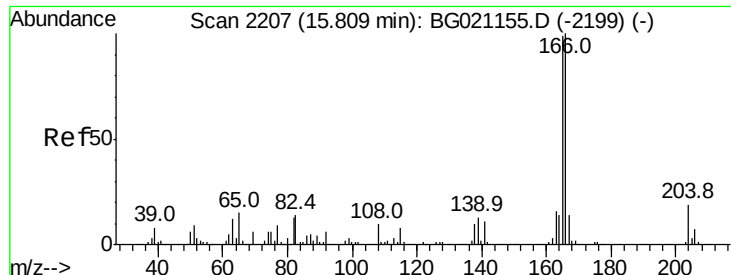
Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Tgt Ion:	168	Resp:	10095
Ion	Ratio	Lower	Upper
168	100		
139	46.8	29.8	44.8#
169	13.0	11.4	17.2

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





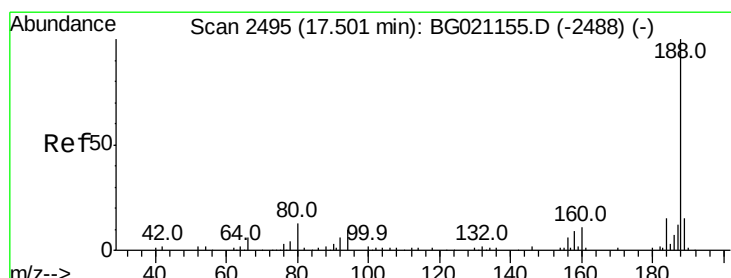
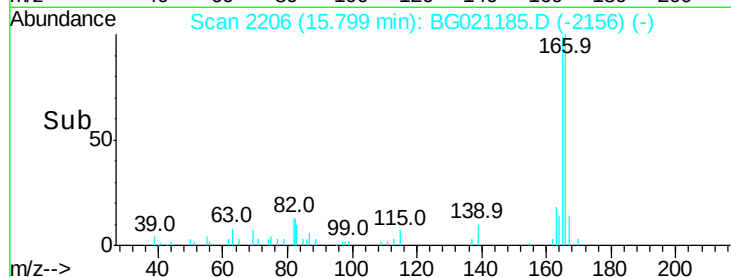
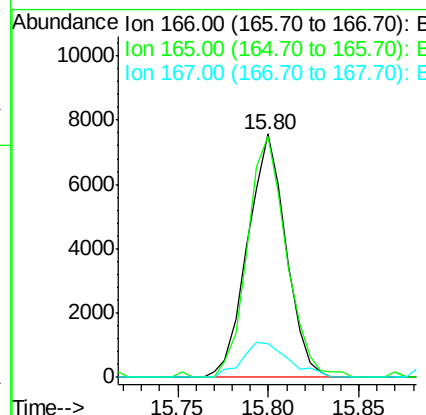
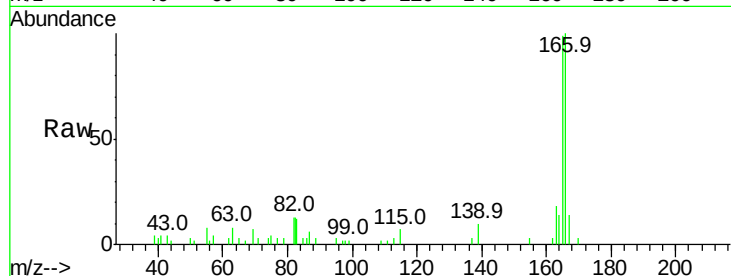
#57
 Fluorene
 Concen: 3.43 ng
 RT: 15.80 min Scan# 2206
 Delta R.T. -0.01 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
166	100	11094		
165	99.0	81.3	121.9	
167	14.1	10.6	16.0	

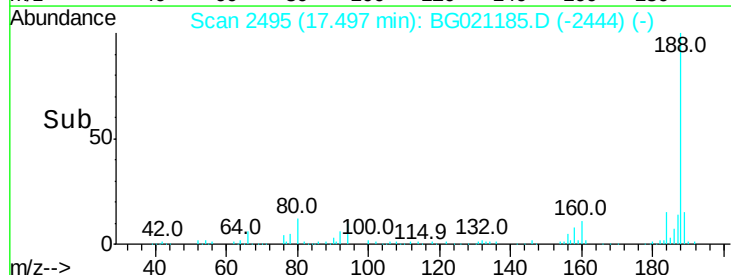
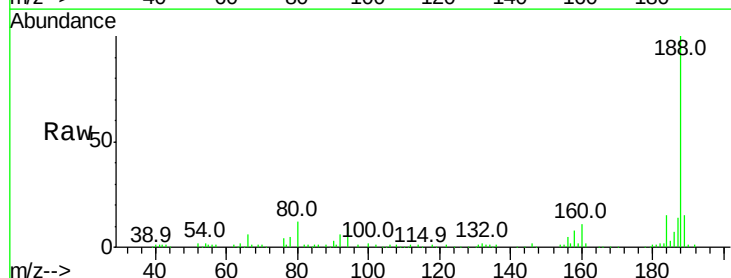
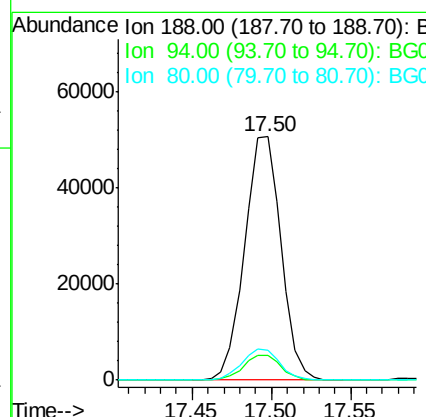
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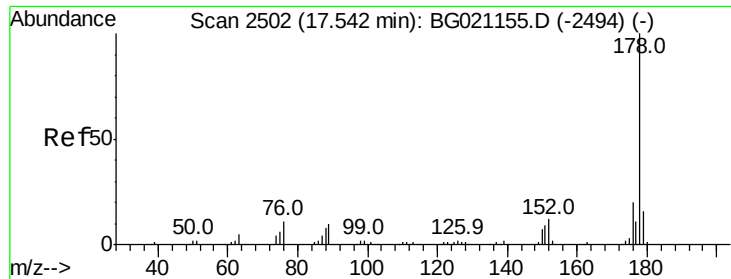
Sohil
 3/1/2016 6:51:13 PM



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.50 min Scan# 2495
 Delta R.T. -0.00 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	80791		
94	10.4	8.2	12.4	
80	12.4	9.2	13.8	





#70

Phenanthrene

Concen: 39.94 ng

RT: 17.54 min Scan# 2502

Delta R.T. -0.00 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

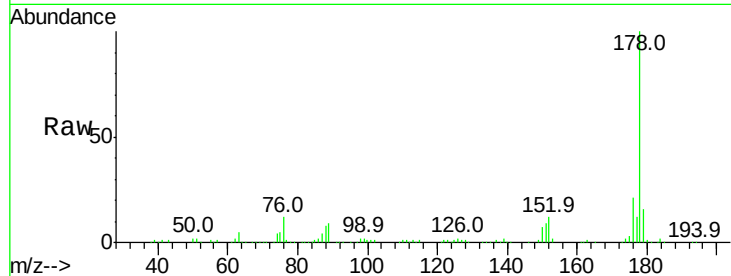
ClientSampleId :

SP-2(0-2)RE

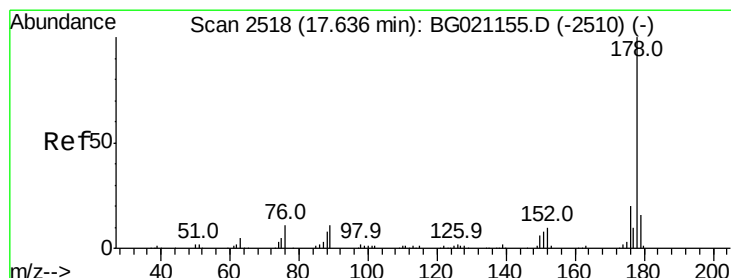
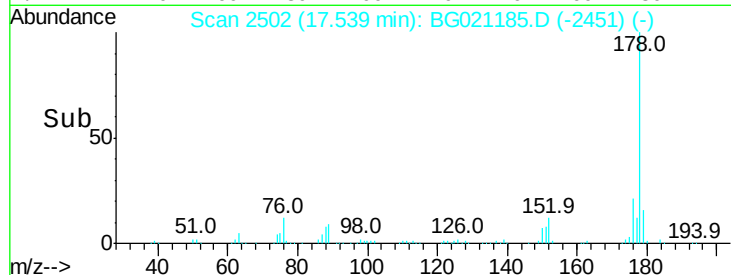
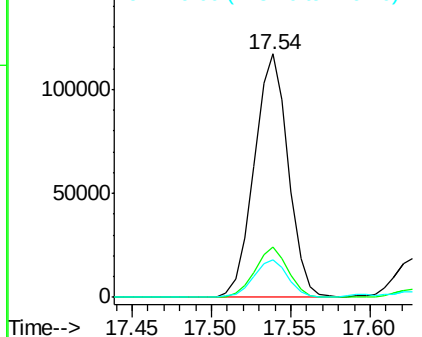
Tot Ion:	178	Resp:	174136
Ion Ratio	Lower	Upper	
178	100		
176	20.7	16.2	24.4
179	15.6	12.9	19.3

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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: 6.11 ng

RT: 17.63 min Scan# 2517

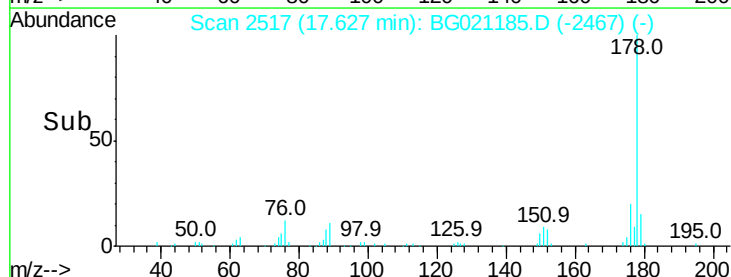
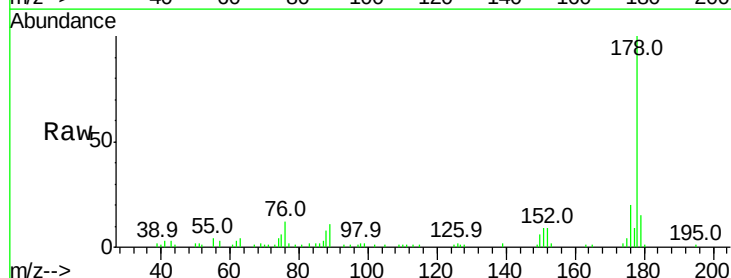
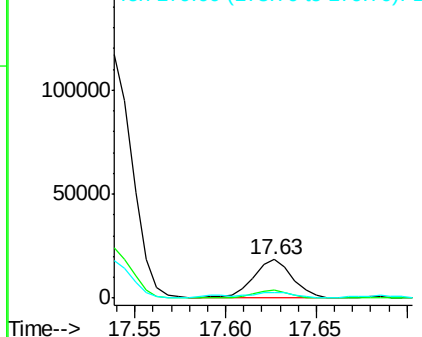
Delta R.T. -0.01 min

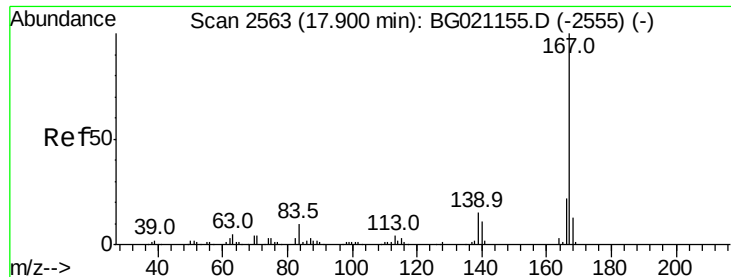
Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Tgt Ion:	178	Resp:	27247
Ion Ratio	Lower	Upper	
178	100		
176	19.5	14.8	22.2
179	15.4	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





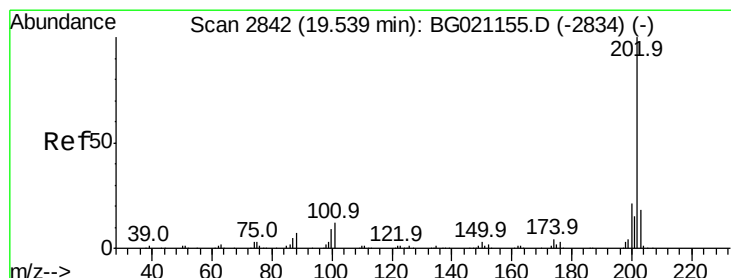
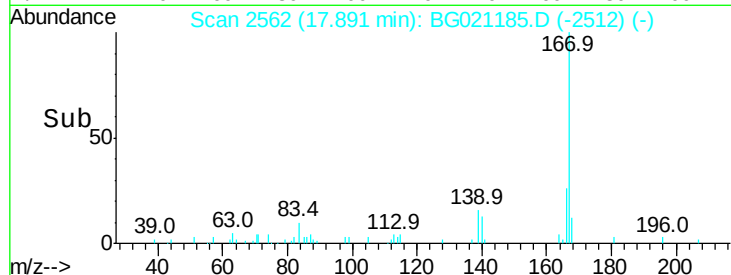
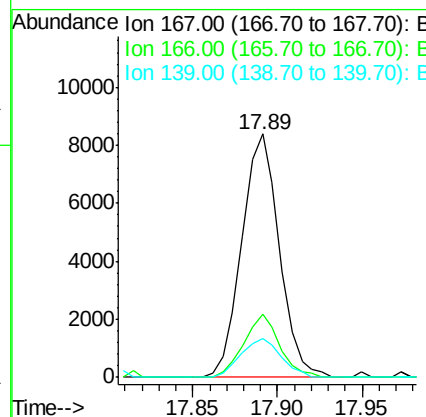
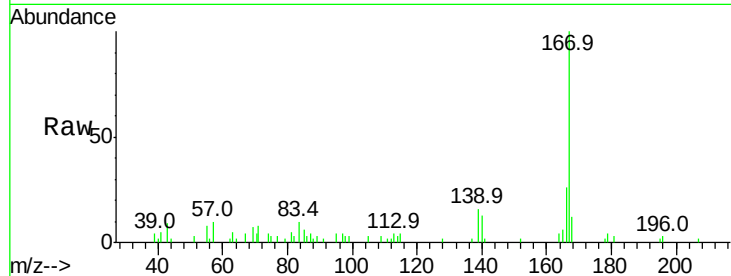
#72
 Carbazole
 Concen: 3.28 ng
 RT: 17.89 min Scan# 2562
 Delta R.T. -0.01 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)RE

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.9	17.5	26.3
139	16.0	10.3	15.5#

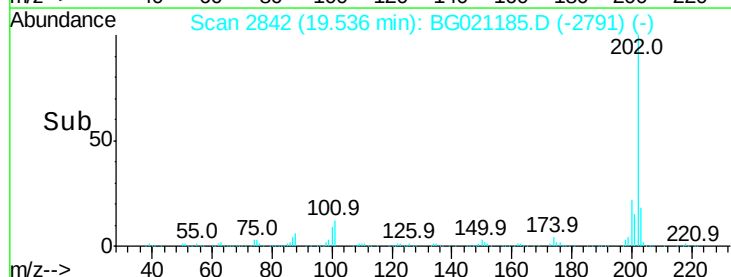
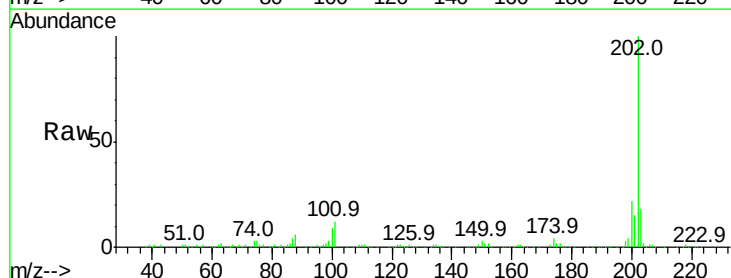
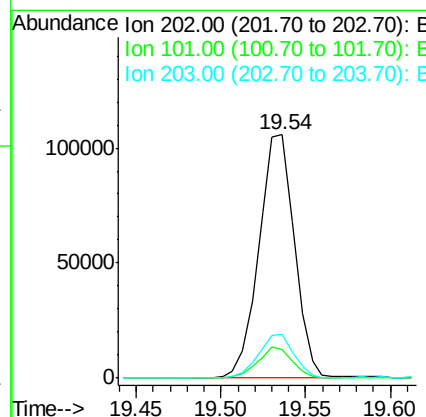
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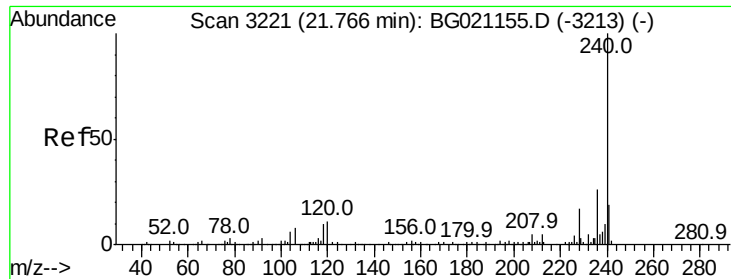
Sohil
 3/1/2016 6:51:13 PM



#74
 Fluoranthene
 Concen: 29.98 ng
 RT: 19.54 min Scan# 2842
 Delta R.T. -0.00 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.5
203	18.1	0.0	37.6





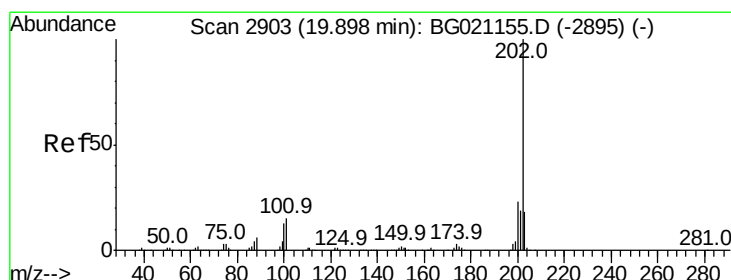
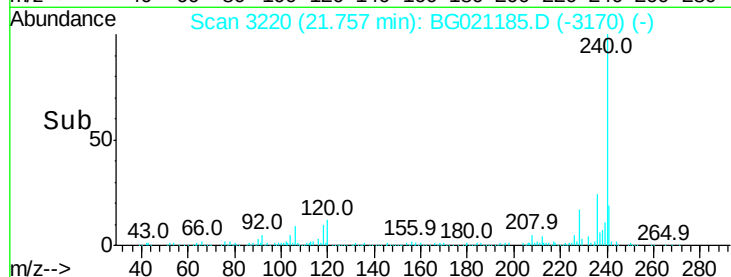
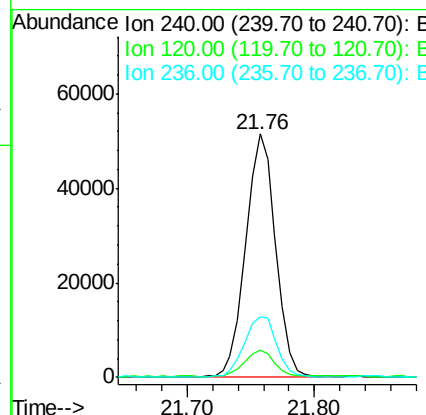
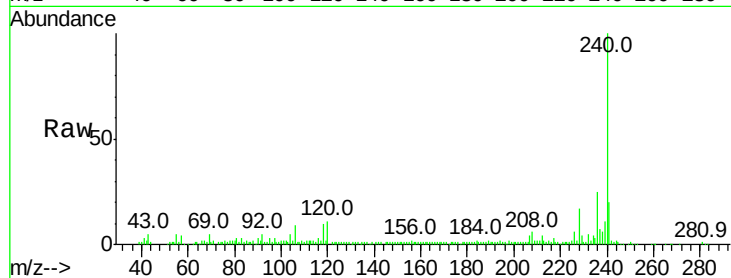
#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.76 min Scan# 3220
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	7.5	11.3#
236	24.8	20.5	30.7

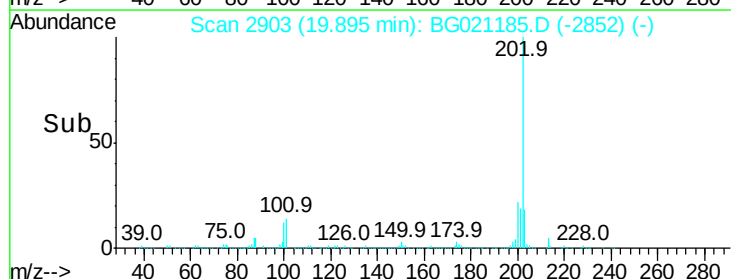
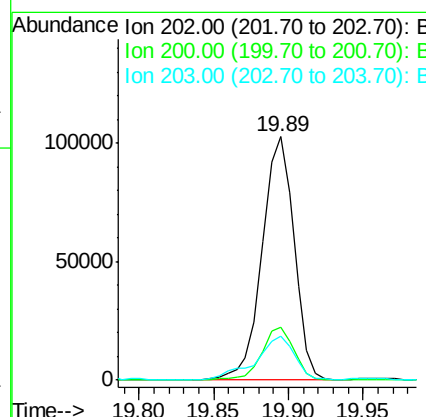
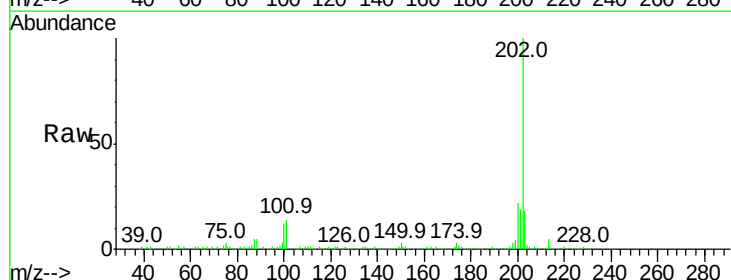
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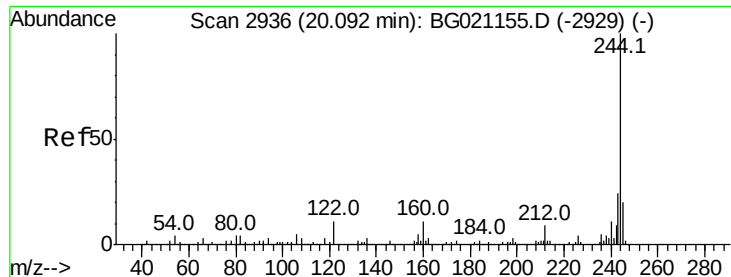
Sohil
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#77
Pyrene
Concen: 30.28 ng
RT: 19.89 min Scan# 2903
Delta R.T. -0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.6	25.0
203	18.2	13.8	20.8





#78

Terphenyl-d14

Concen: 65.69 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.01 min

Lab File: BG021185.D

Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

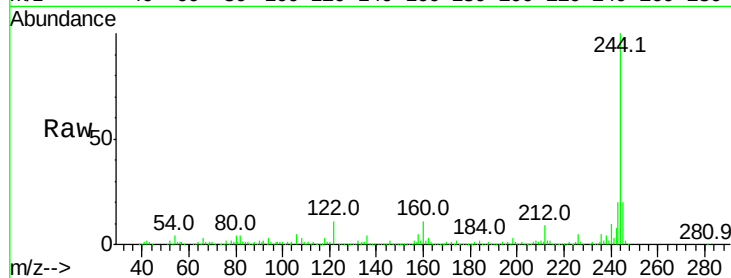
ClientSampleId :

SP-2(0-2)RE

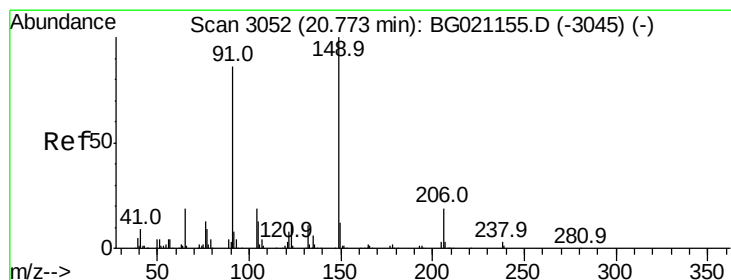
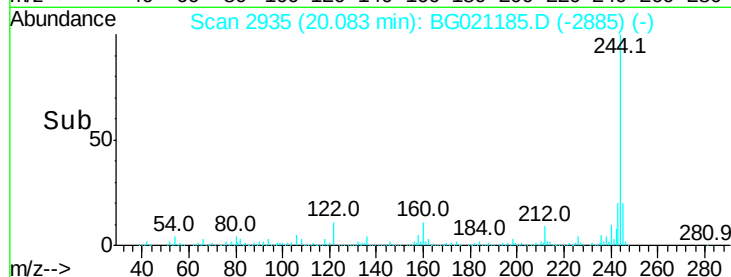
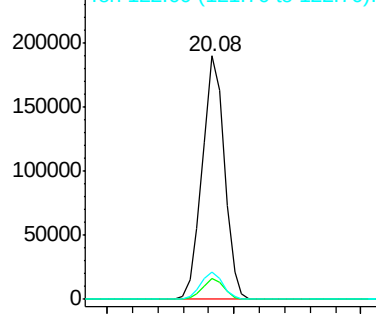
Tot Ion:	244	Resp:	228879
Ion Ratio	Lower	Upper	
244	100		
212	8.8	5.8	8.6#
122	11.1	8.3	12.5

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 23.36 ng

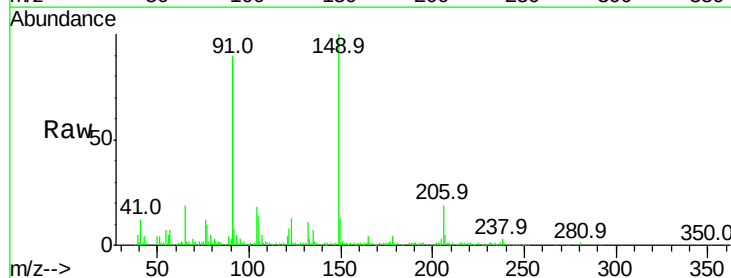
RT: 20.76 min Scan# 3051

Delta R.T. -0.01 min

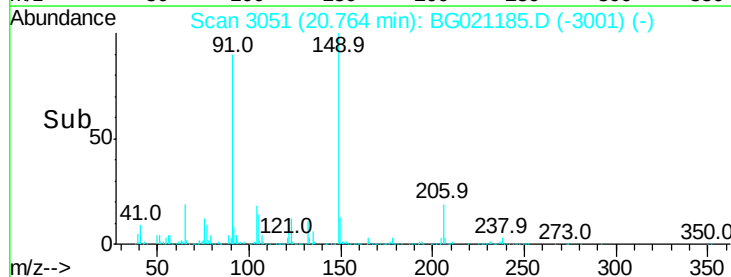
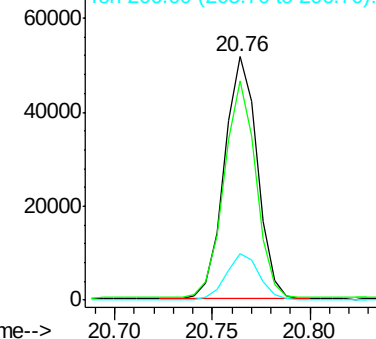
Lab File: BG021185.D

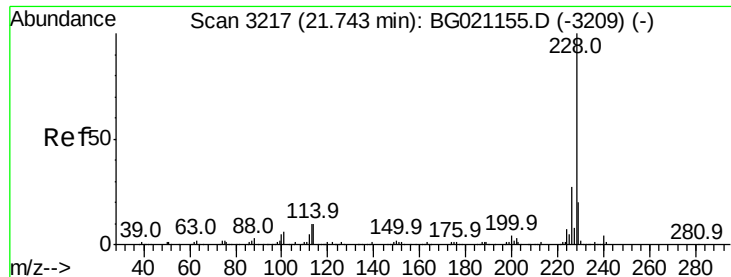
Acq: 1 Mar 2016 12:44

Tgt Ion:	149	Resp:	60021
Ion Ratio	Lower	Upper	
149	100		
91	90.3	58.6	87.8#
206	19.3	14.2	21.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BG
Ion 206.00 (205.70 to 206.70): E





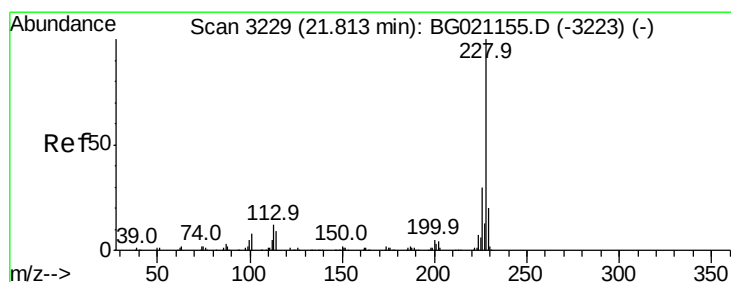
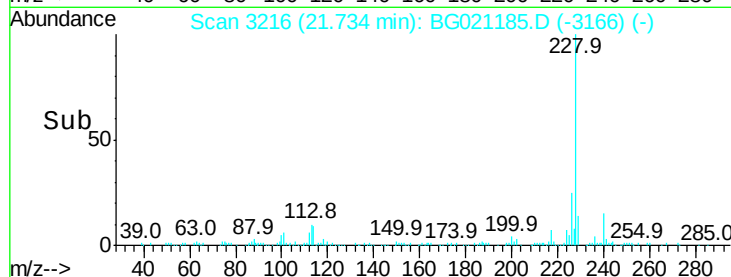
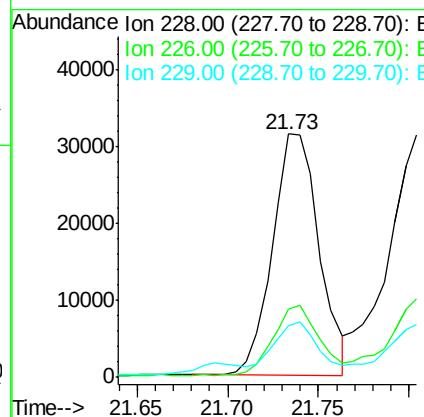
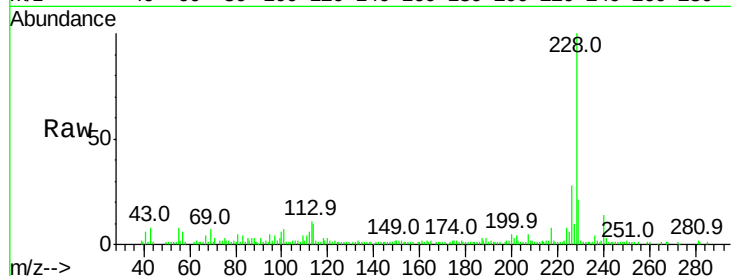
#80
Benzo(a)anthracene
Concen: 11.26 ng
RT: 21.73 min Scan# 3216
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	21.0	15.5	23.3

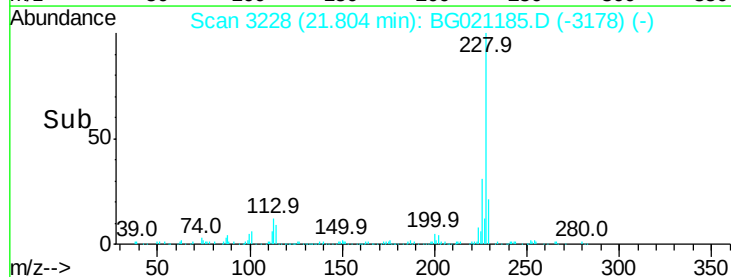
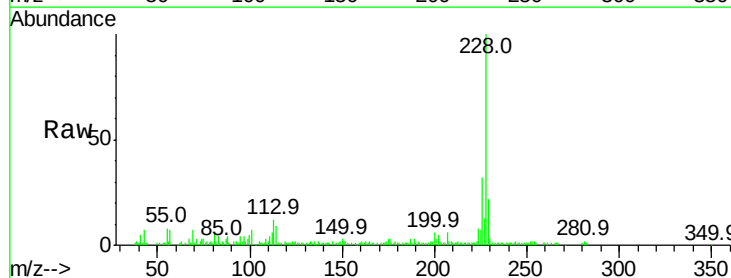
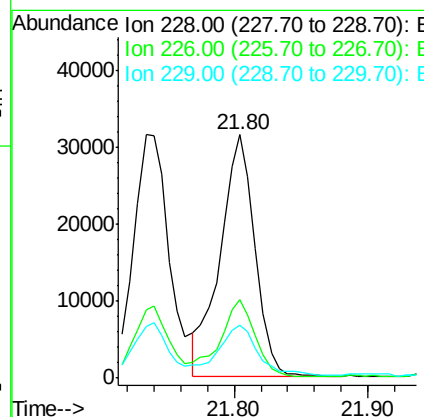
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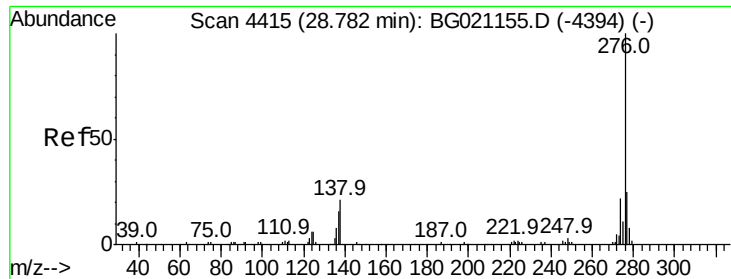
Sohil
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#82
Chrysene
Concen: 12.13 ng
RT: 21.80 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.7	35.5
229	21.8	16.7	25.1





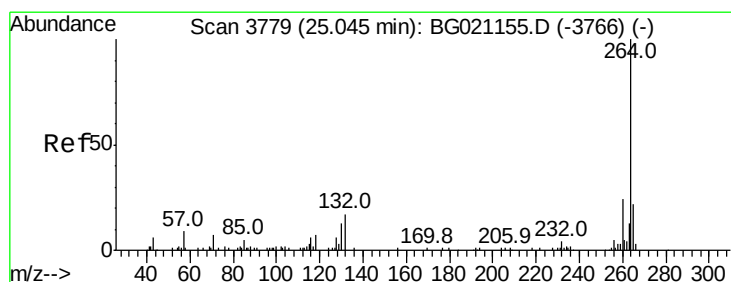
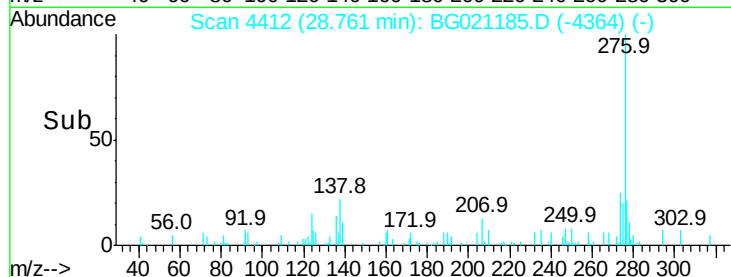
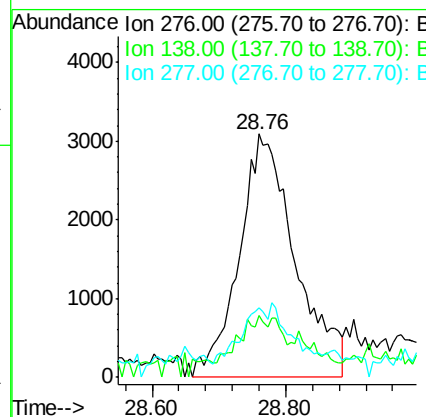
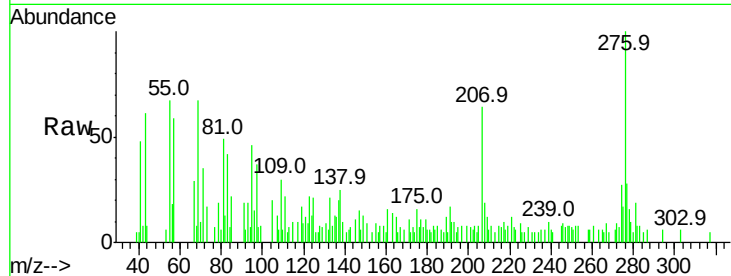
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.33 ng
 RT: 28.76 min Scan# 4412
 Delta R.T. -0.02 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Instrument :
 BNA_G
 ClientSampleId :
 SP-2(0-2)RE

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	8.7	0.0	0.0	
277	10.9	0.0	0.0	

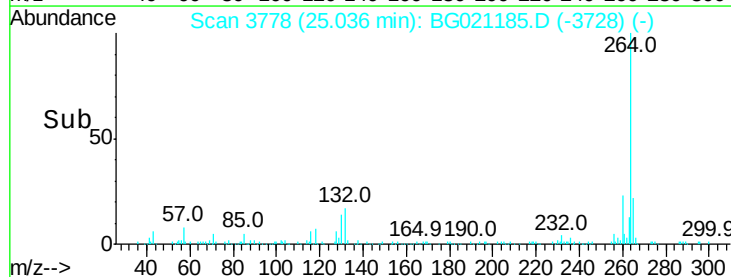
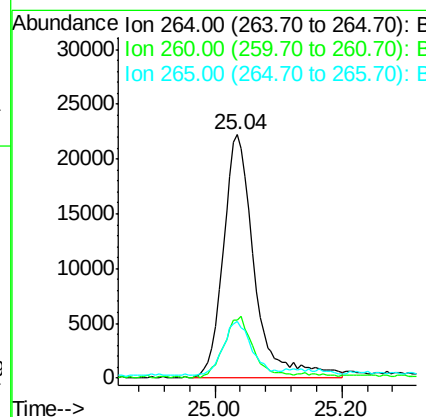
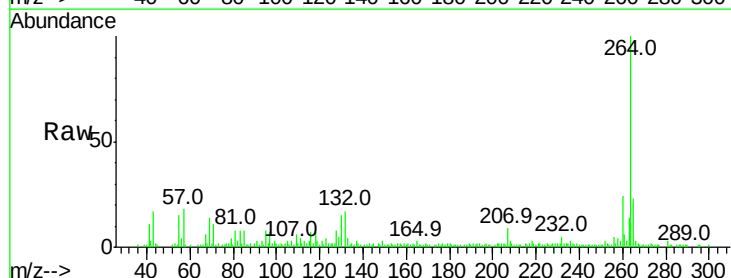
Manual Integrations
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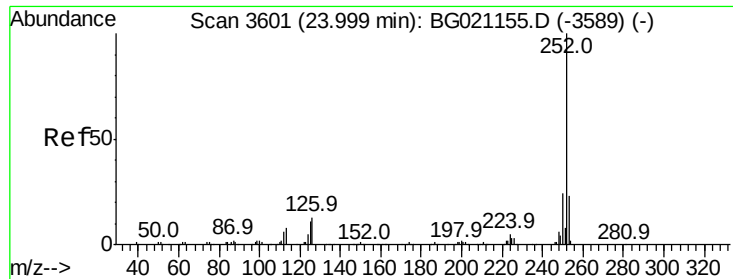
Sohil
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.04 min Scan# 3778
 Delta R.T. -0.01 min
 Lab File: BG021185.D
 Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.1	18.5	27.7	
265	23.2	18.6	28.0	





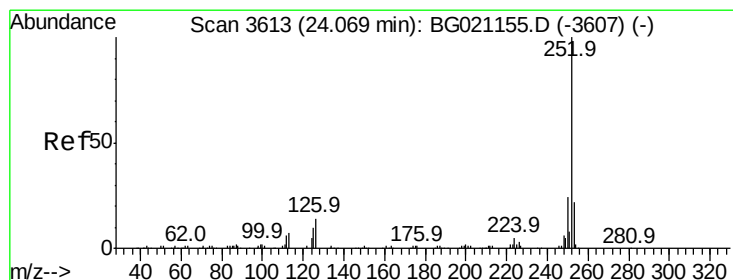
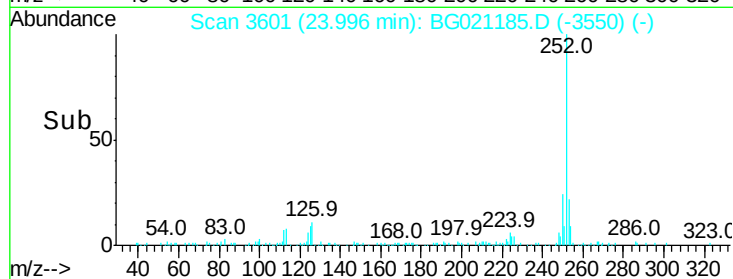
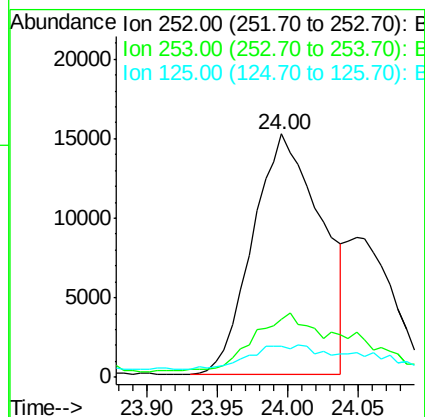
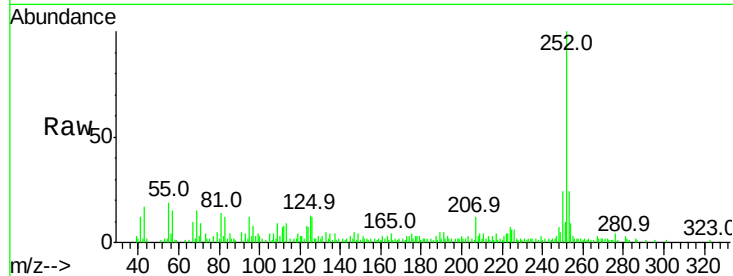
#87
Benzo(b)fluoranthene
Concen: 10.76 ng
RT: 24.00 min Scan# 3601
Delta R.T. -0.00 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Instrument :
BNA_G
ClientSampleId :
SP-2(0-2)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	16.8	25.2
125	12.9	8.2	12.2

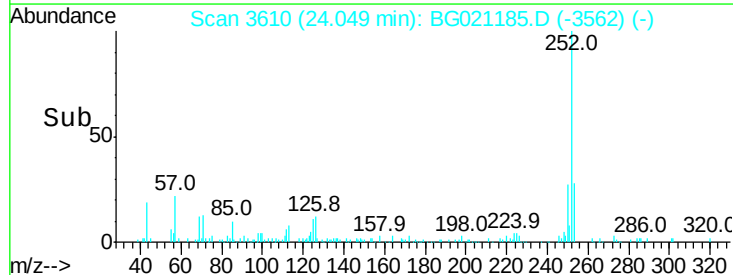
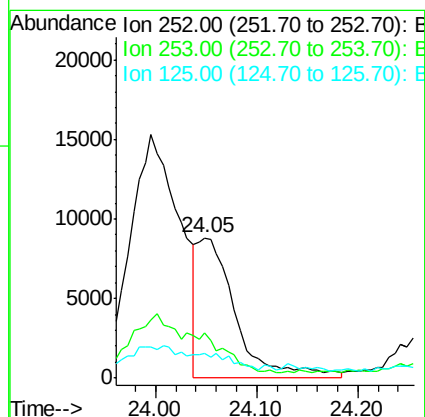
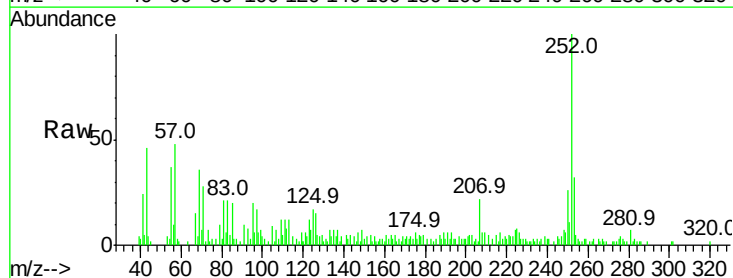
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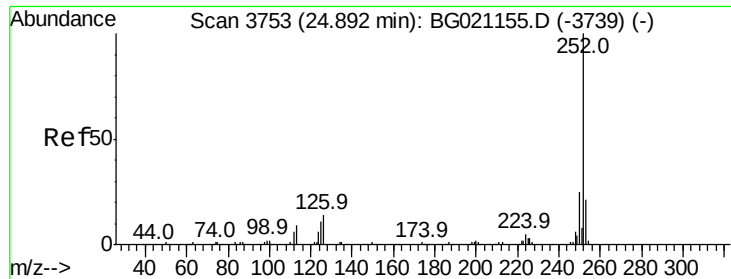
Sohil
3/1/2016 6:51:13 PM



#88
Benzo(k)fluoranthene
Concen: 4.89 ng m
RT: 24.05 min Scan# 3610
Delta R.T. -0.02 min
Lab File: BG021185.D
Acq: 1 Mar 2016 12:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.4	16.4	24.6
125	17.4	8.2	12.2





#89

Benzo(a)pyrene

Concen: 8.15 ng

RT: 24.88 min Scan# 3751

Delta R.T. -0.02 min

Lab File: BG021185.D

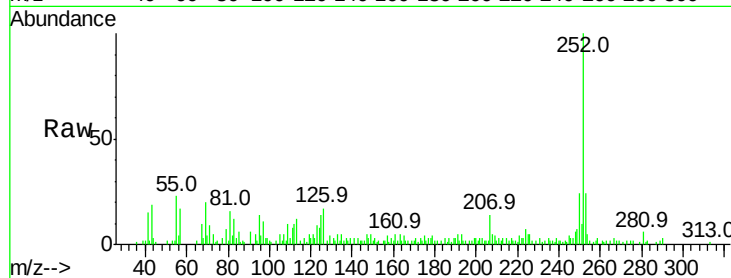
Acq: 1 Mar 2016 12:44

Instrument :

BNA_G

ClientSampleId :

SP-2(0-2)RE



Tot Ion:	252	Resp:	37763
Ion Ratio	Lower	Upper	
252	100		
253	23.7	15.8	23.8
125	13.7	8.4	12.6#

Manual Integrations
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