

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
 Data File : BG021062.D
 Acq On : 24 Feb 2016 21:51
 Operator : UM/SJ
 Sample : H1521-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
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 2/25/2016 2:40:19 PM

Quant Time: Feb 25 08:01:45 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	8.20	152	5255	20.00	ng	0.00
21) Naphthalene-d8	11.02	136	27419	20.00	ng	0.00
38) Acenaphthene-d10	14.82	164	13443	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	23267	20.00	ng	0.00
75) Chrysene-d12	21.82	240	17614	20.00	ng	0.00
86) Perylene-d12	25.15	264	16569	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	41618	138.85	ng	0.00
7) Phenol-d6	7.41	99	64857	140.50	ng	0.00
23) Nitrobenzene-d5	9.39	82	43515	93.18	ng	0.00
41) 2,4,6-Tribromophenol	16.31	330	19900	123.57	ng	0.00
44) 2-Fluorobiphenyl	13.45	172	85239	88.27	ng	0.00
78) Terphenyl-d14	20.14	244	61450	45.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	11.08	128	3233	2.26	ng	# 93
49) Dimethylphthalate	14.27	163	12603	11.50	ng	99
51) Acenaphthene	14.88	154	3029	3.53	ng	94
54) Dibenzofuran	15.22	168	3957	3.25	ng	92
57) Fluorene	15.86	166	3963	3.44	ng	96
70) Phenanthrene	17.60	178	58556	44.49	ng	97
71) Anthracene	17.69	178	9189	7.01	ng	99
72) Carbazole	17.97	167	4260	3.60	ng	# 92
74) Fluoranthene	19.59	202	43120	32.58	ng	96
77) Pyrene	19.96	202	40417	20.08	ng	98
79) Butylbenzylphthalate	20.81	149	14838	20.91	ng	96
80) Benzo(a)anthracene	21.81	228	13868	13.13	ng	97
82) Chrysene	21.87	228	13562	13.76	ng	98
87) Benzo(b)fluoranthene	24.09	252	12850	11.76	ng	# 88
88) Benzo(k)fluoranthene	24.15	252	4422m	4.29	ng	
89) Benzo(a)pyrene	25.00	252	9513	9.72	ng	93

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

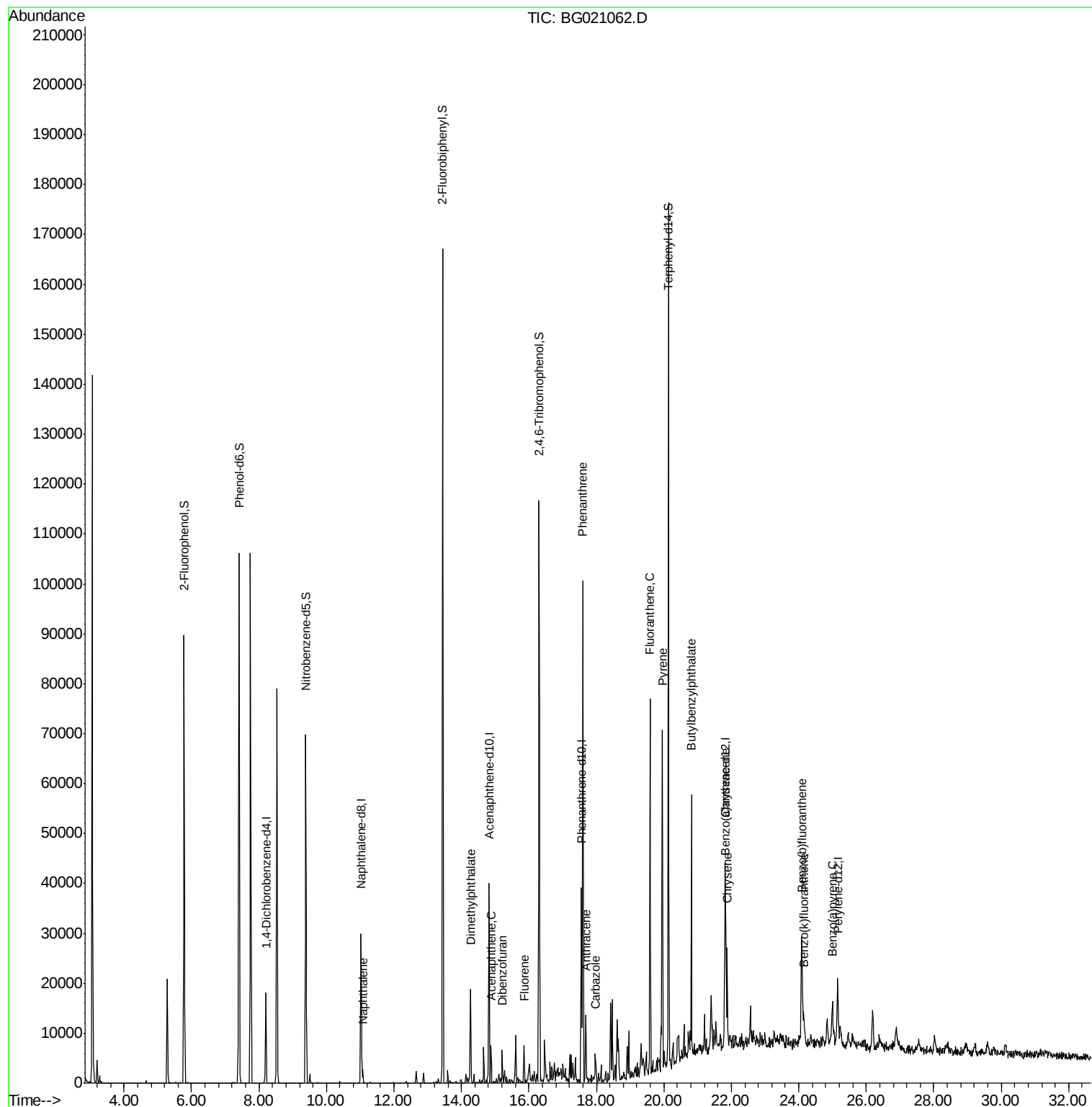
Data Path : Z:\HPCHEM1\BNA G\DATA\BG022416\
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#1

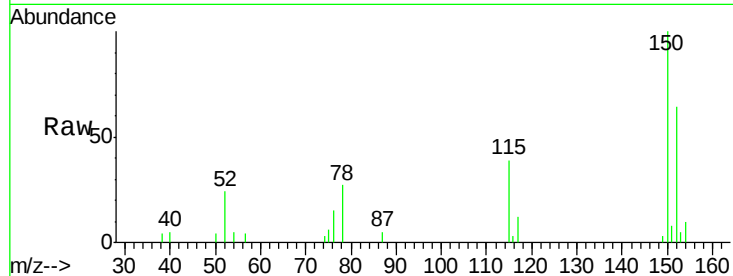
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.20 min Scan# 913
Delta R.T. -0.01 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

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

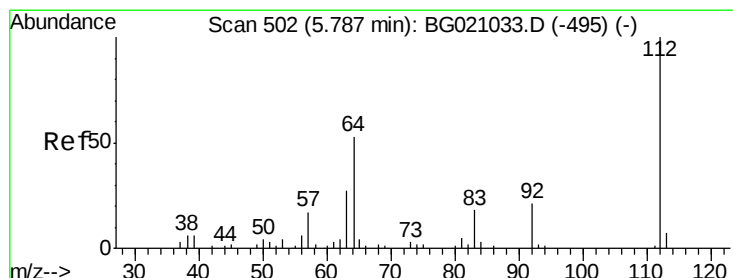
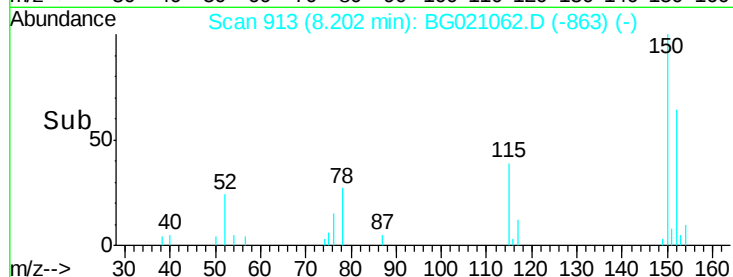
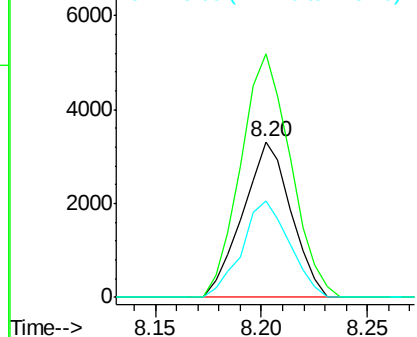
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.4	185.2
115	61.6	43.3	64.9

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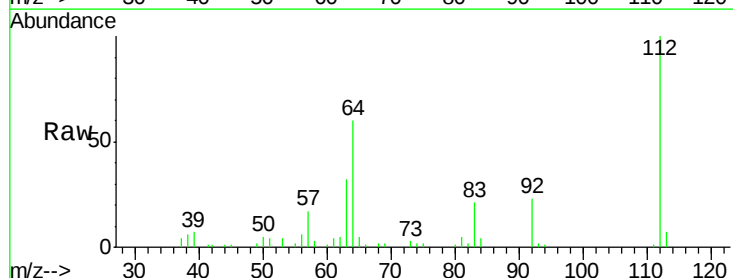
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



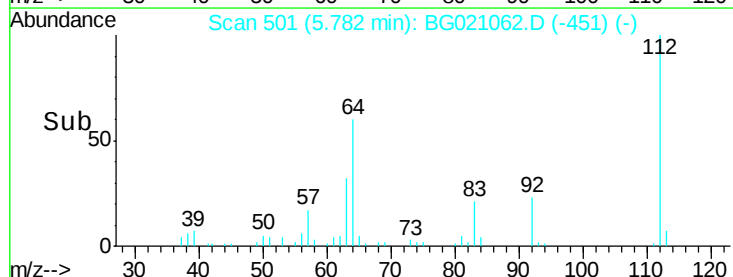
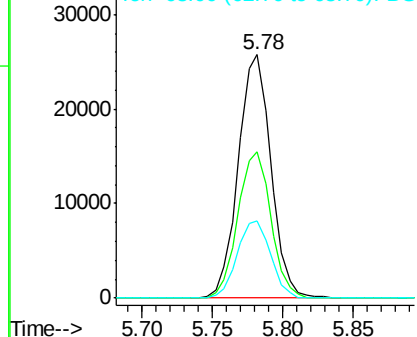
#5

2-Fluorophenol
Concen: 138.85 ng
RT: 5.78 min Scan# 501
Delta R.T. -0.01 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	42.6	63.8
63	31.8	21.7	32.5



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





#7

Phenol-d6

Concen: 140.50 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

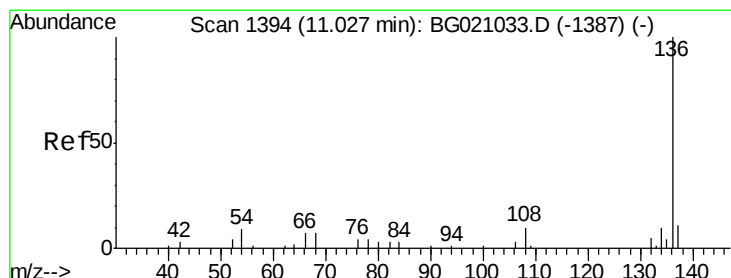
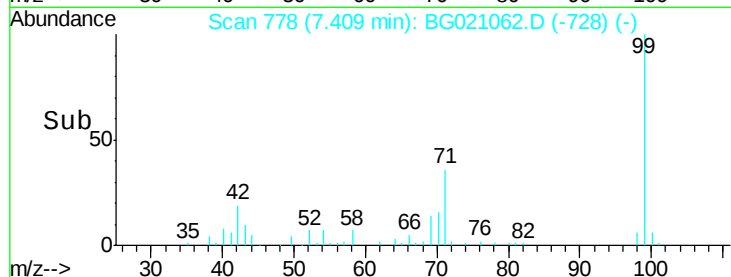
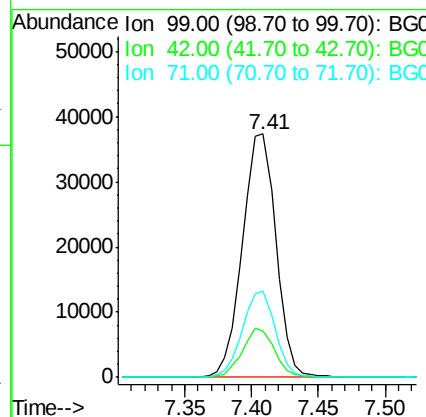
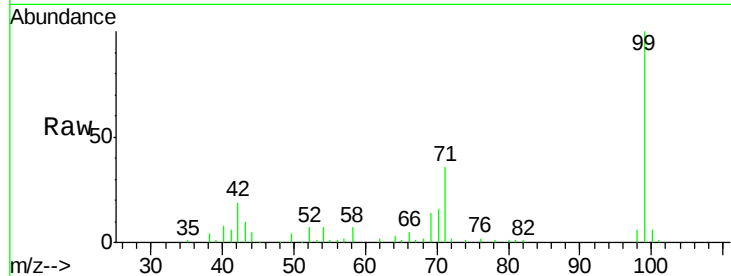
ClientSampleId :

SP-2(0-2)

Tot Ion:	99	Resp:	64857
Ion Ratio	Lower	Upper	
99	100		
42	19.2	13.2	19.8
71	35.5	25.2	37.8

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#21

Naphthalene-d8

Concen: 20.00 ng

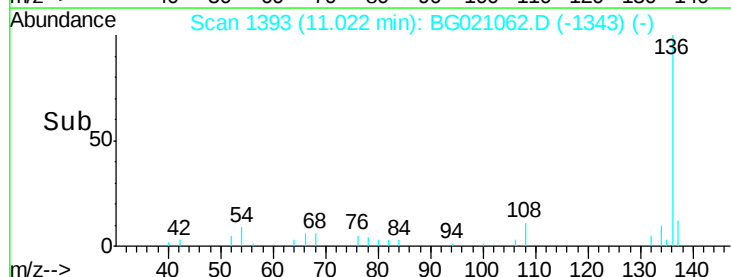
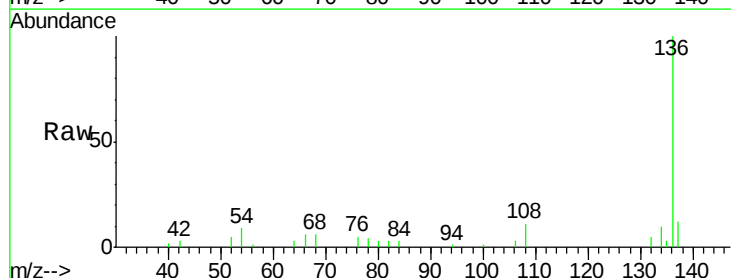
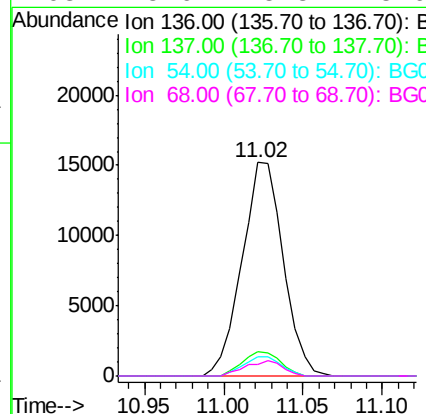
RT: 11.02 min Scan# 1393

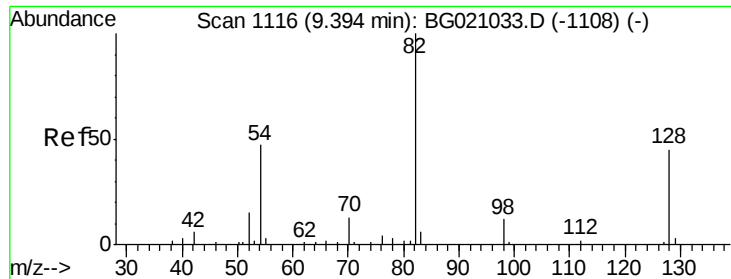
Delta R.T. -0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Tgt Ion:	136	Resp:	27419
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.8	13.2
54	8.9	6.9	10.3
68	5.6	5.8	8.6#





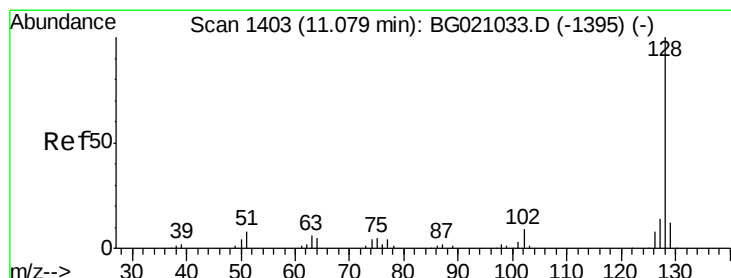
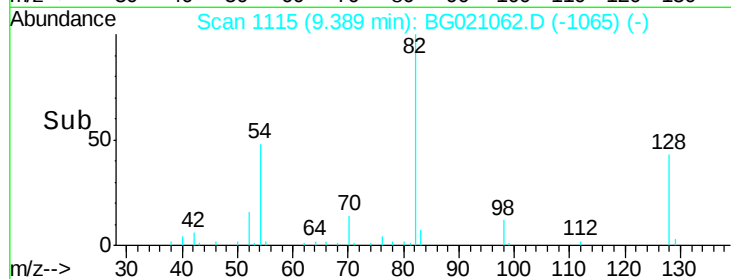
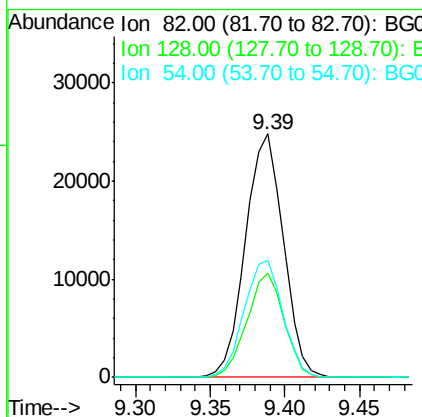
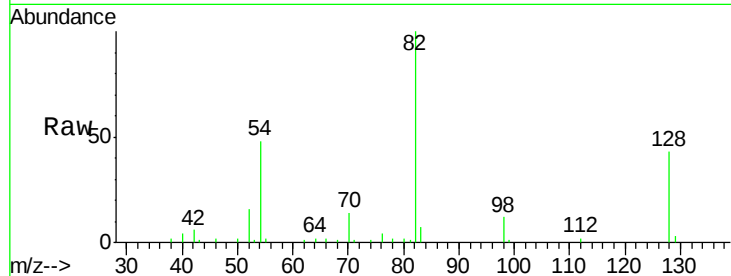
#23
 Nitrobenzene-d5
 Concen: 93.18 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. -0.01 min
 Lab File: BG021062.D
 Acq: 24 Feb 2016 21:51

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	43515		
128	42.7	36.3	54.5	
54	48.1	37.6	56.4	

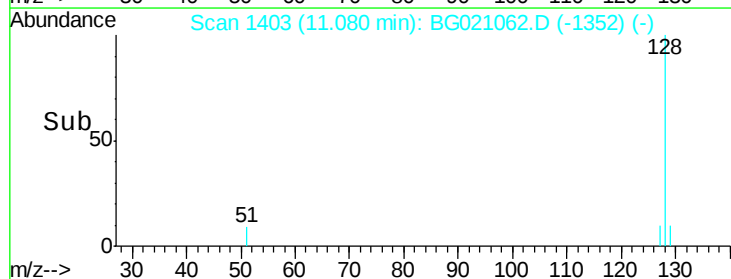
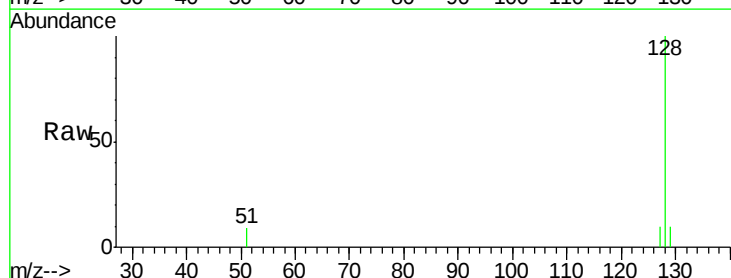
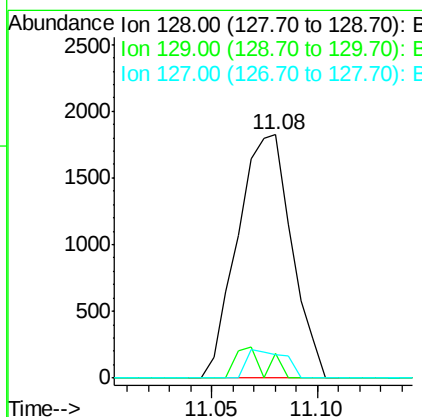
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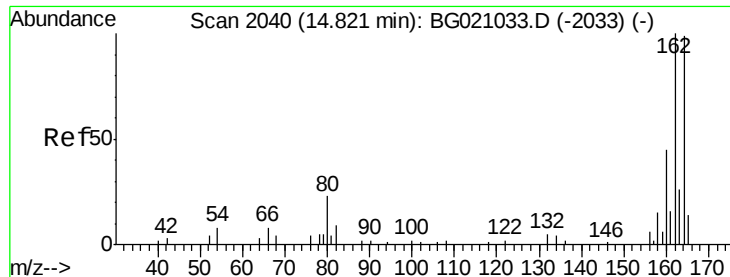
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#31
 Naphthalene
 Concen: 2.26 ng
 RT: 11.08 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: BG021062.D
 Acq: 24 Feb 2016 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	3233		
129	10.0	9.4	14.2	
127	9.5	10.8	16.2#	





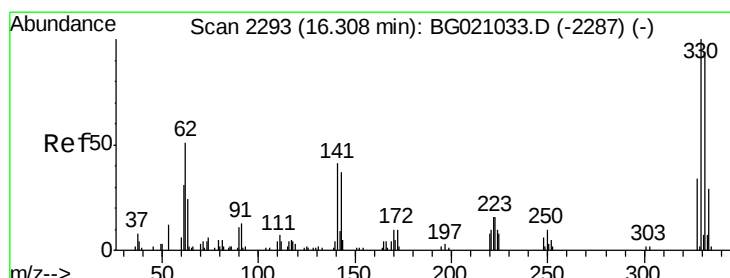
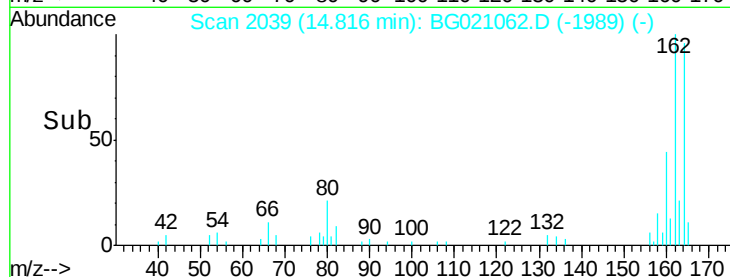
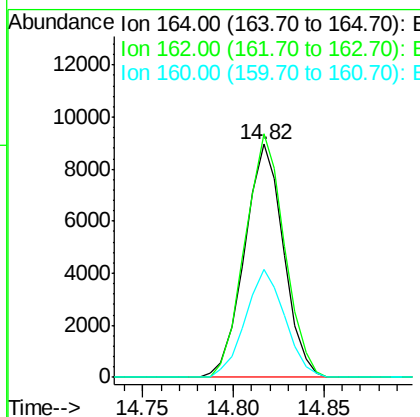
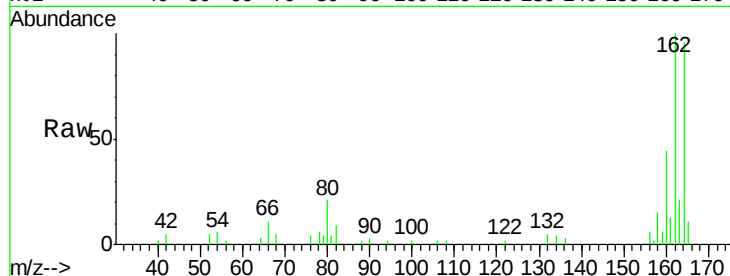
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.82 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.5	80.6	120.8
160	46.5	36.5	54.7

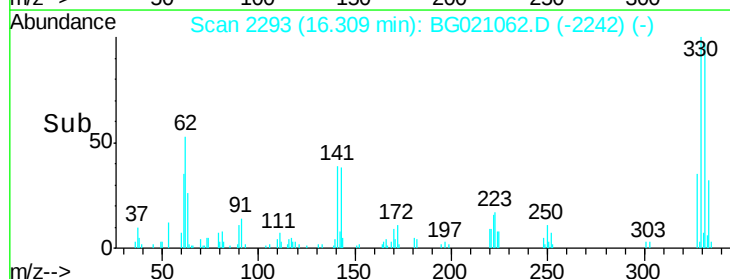
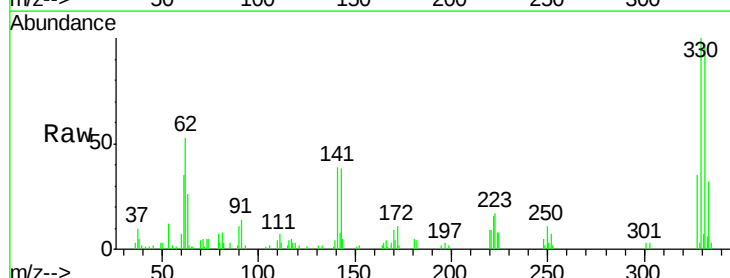
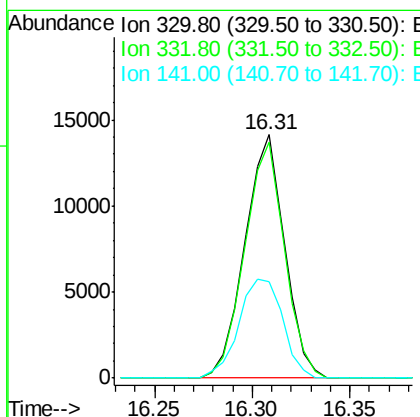
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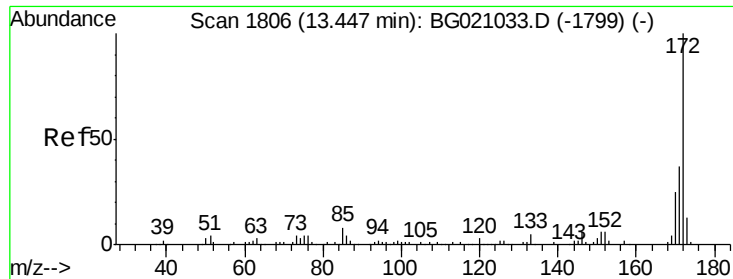
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#41
2,4,6-Tribromophenol
Concen: 123.57 ng
RT: 16.31 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.4	116.0
141	44.9	35.3	52.9





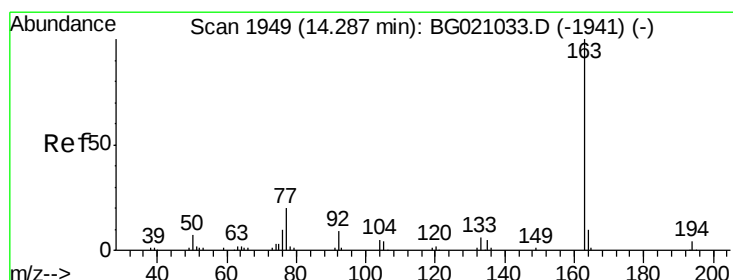
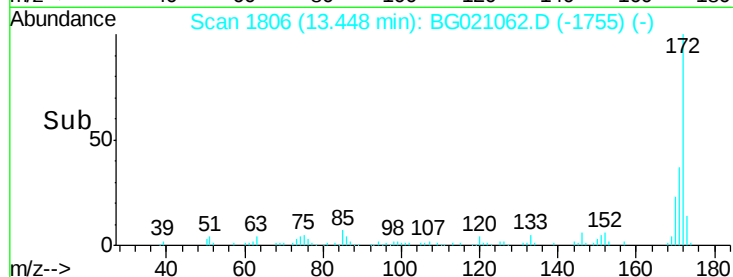
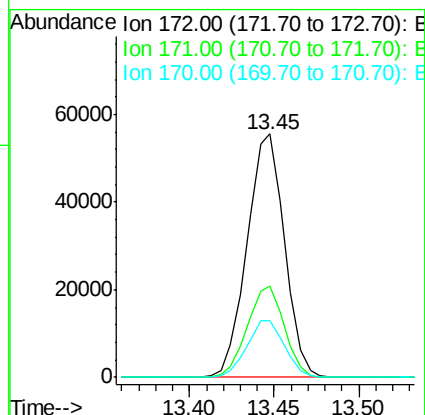
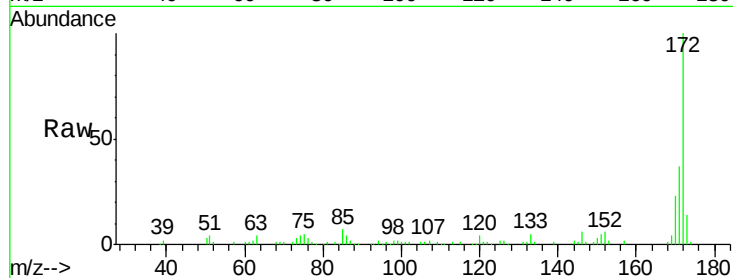
#44
2-Fluorobiphenyl
Concen: 88.27 ng
RT: 13.45 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.4	44.0
170	23.3	19.8	29.8

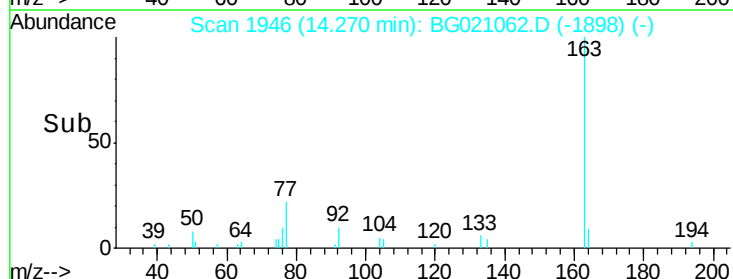
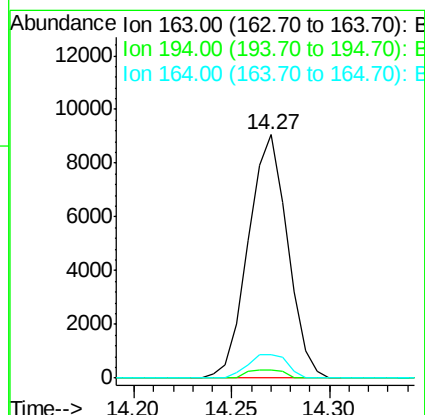
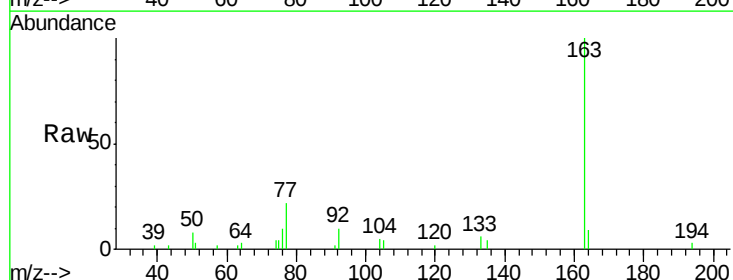
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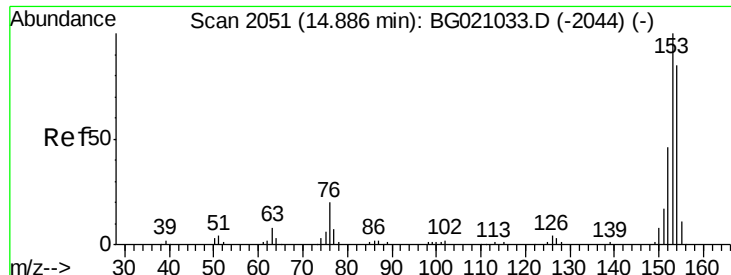
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#49
Dimethylphthalate
Concen: 11.50 ng
RT: 14.27 min Scan# 1946
Delta R.T. -0.02 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	9.4	7.9	11.9





#51

Acenaphthene

Concen: 3.53 ng

RT: 14.88 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

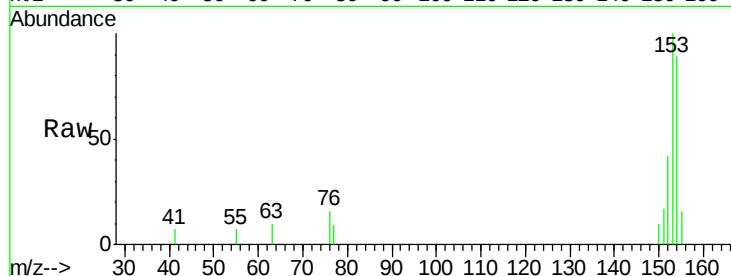
ClientSampleId :

SP-2(0-2)

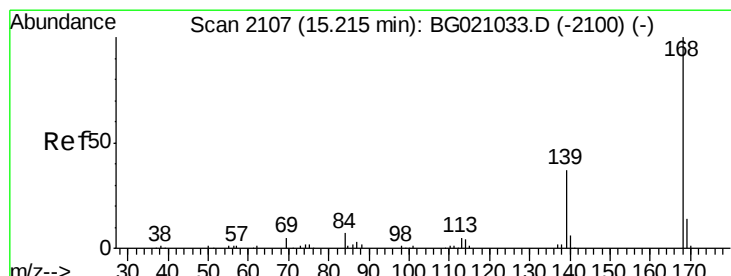
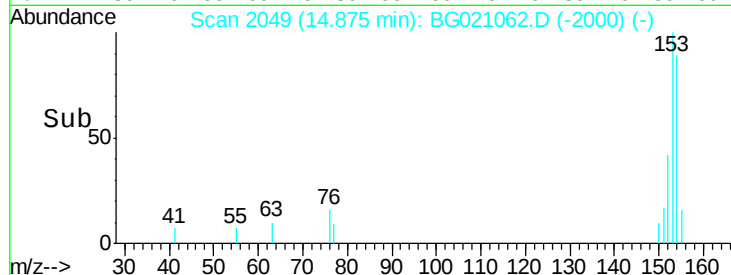
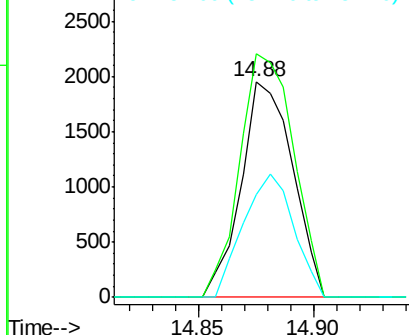
Tot Ion:	154	Resp:	3029
Ion	Ratio	Lower	Upper
154	100		
153	112.7	94.2	141.2
152	47.4	42.9	64.3

Manual Integrations
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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: 3.25 ng

RT: 15.22 min Scan# 2107

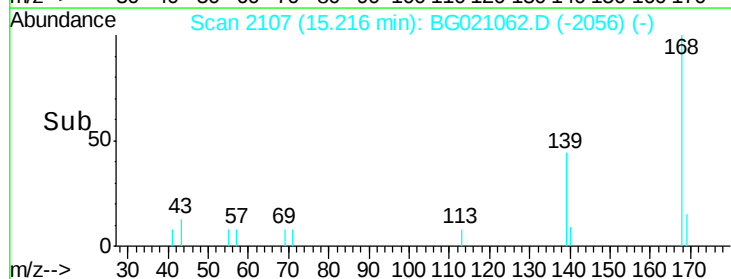
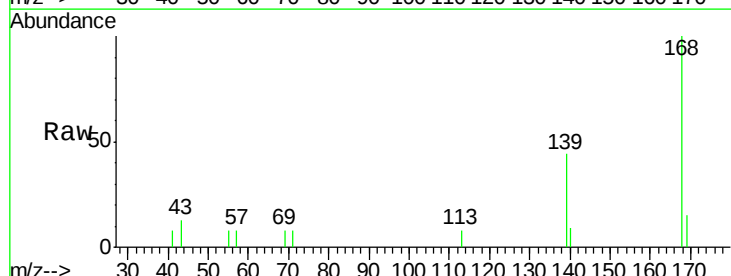
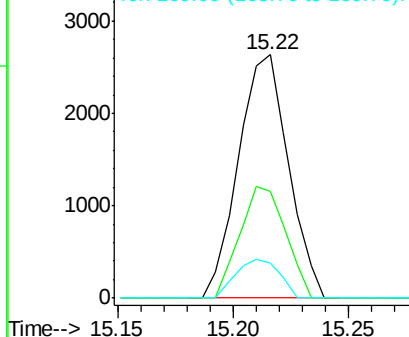
Delta R.T. 0.00 min

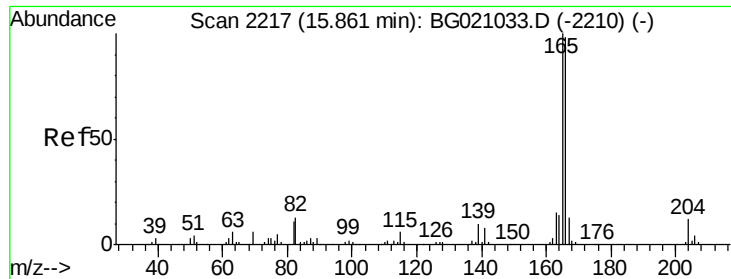
Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Tgt Ion:	168	Resp:	3957
Ion	Ratio	Lower	Upper
168	100		
139	44.0	29.8	44.8
169	14.6	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





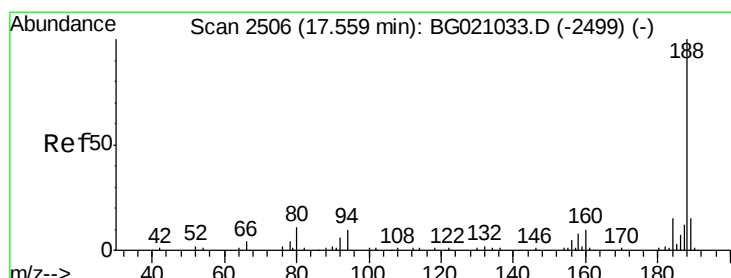
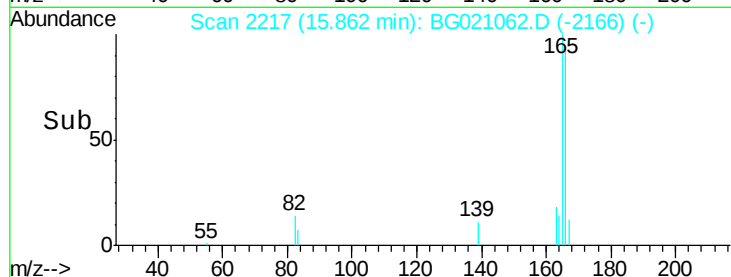
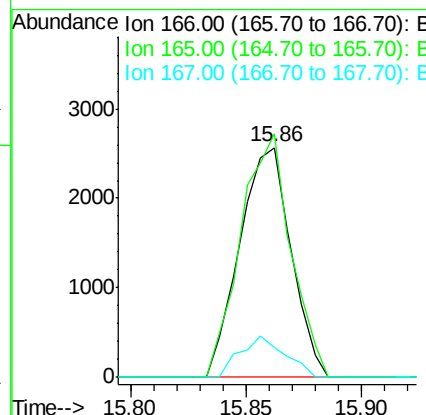
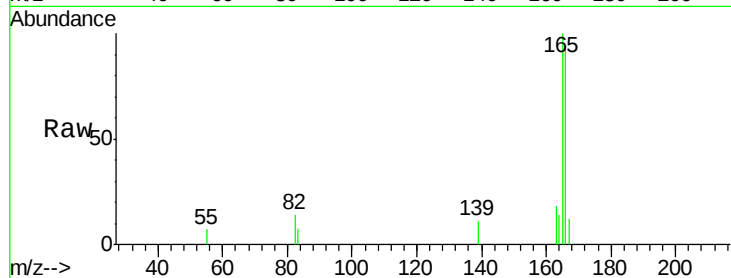
#57
Fluorene
 Concen: 3.44 ng
 RT: 15.86 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG021062.D
 Acq: 24 Feb 2016 21:51

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

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.1	81.3	121.9
167	12.9	10.6	16.0

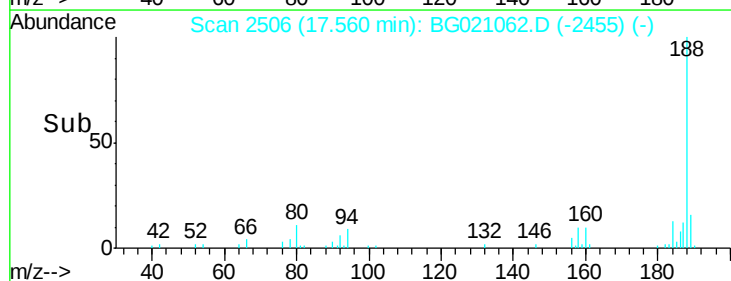
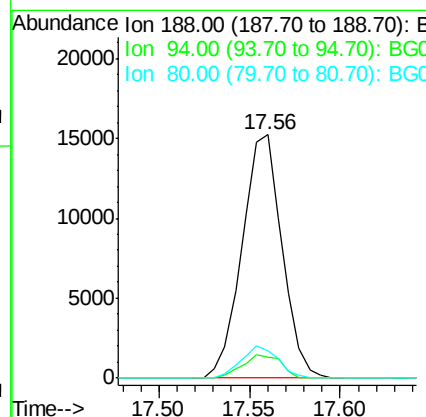
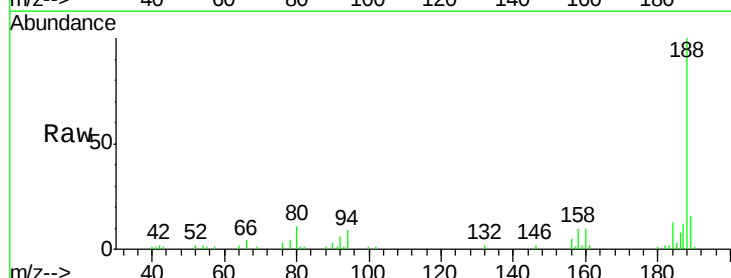
Manual Integrations
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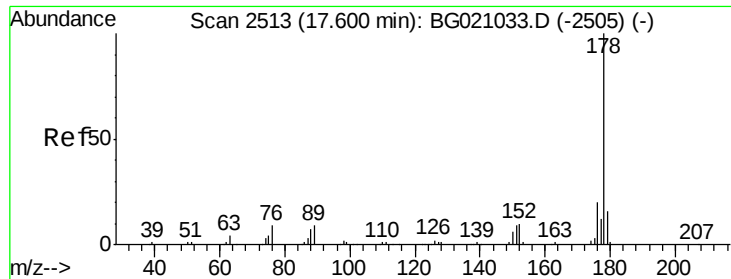
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 2/25/2016 2:40:19 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.56 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: BG021062.D
 Acq: 24 Feb 2016 21:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.4
80	11.0	9.2	13.8





#70

Phenanthrene

Concen: 44.49 ng

RT: 17.60 min Scan# 2513

Delta R.T. 0.00 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

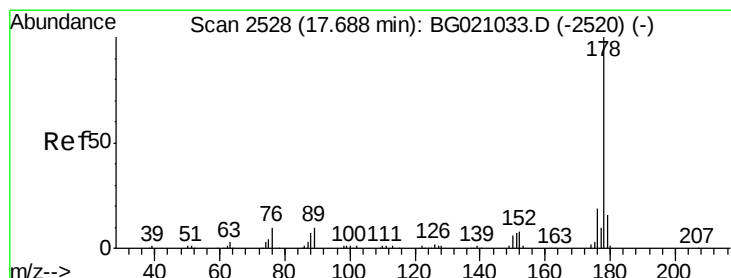
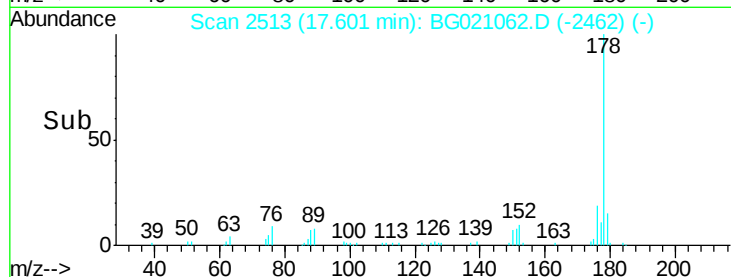
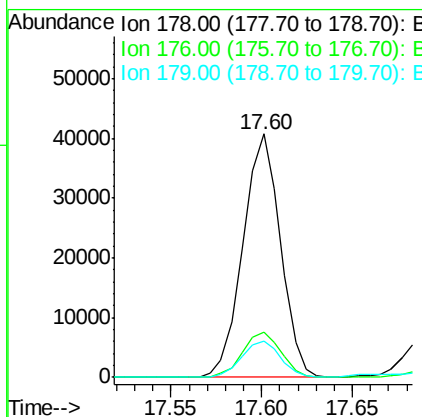
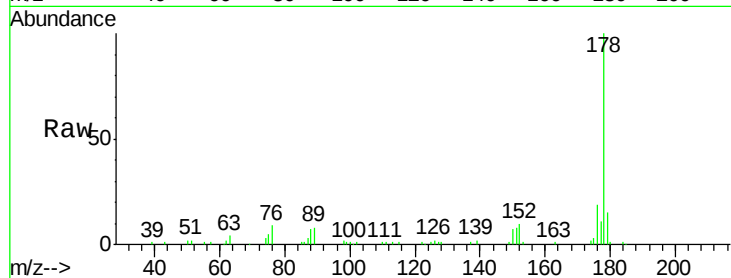
ClientSampleId :

SP-2(0-2)

Tot Ion:178	Resp:	58556
Ion Ratio	Lower	Upper
178	100	
176	18.7	16.2 24.4
179	14.7	12.9 19.3

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#71

Anthracene

Concen: 7.01 ng

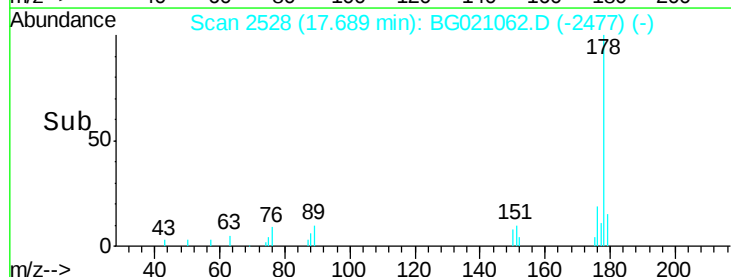
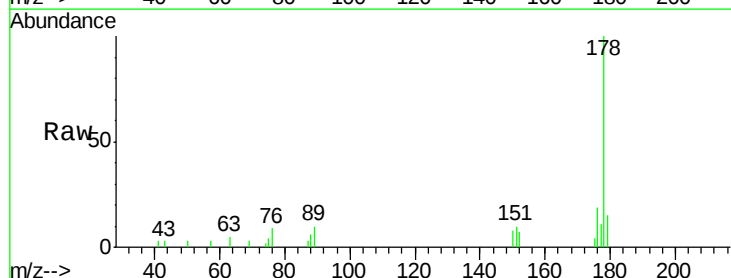
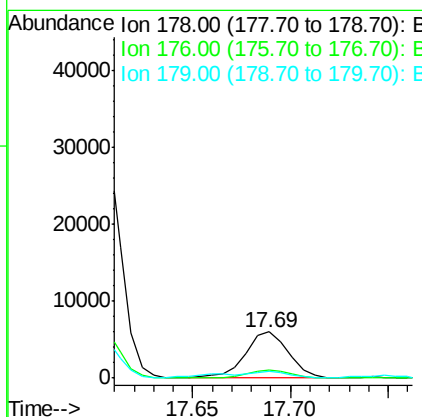
RT: 17.69 min Scan# 2528

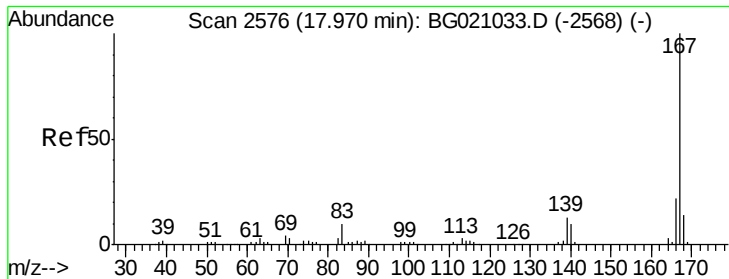
Delta R.T. 0.00 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Tgt Ion:178	Resp:	9189
Ion Ratio	Lower	Upper
178	100	
176	18.9	14.8 22.2
179	15.3	12.6 19.0





#72

Carbazole

Concen: 3.60 ng

RT: 17.97 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

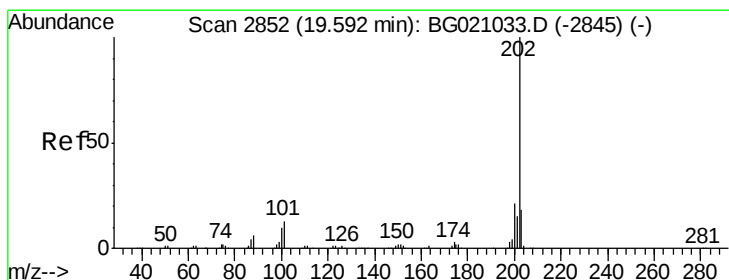
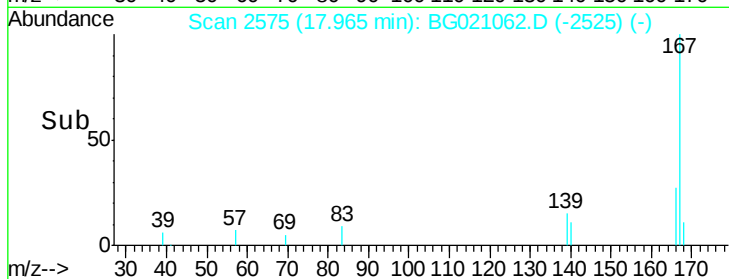
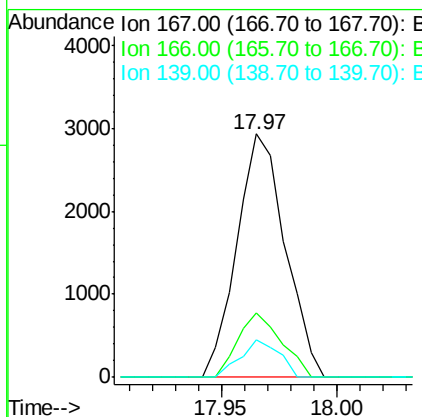
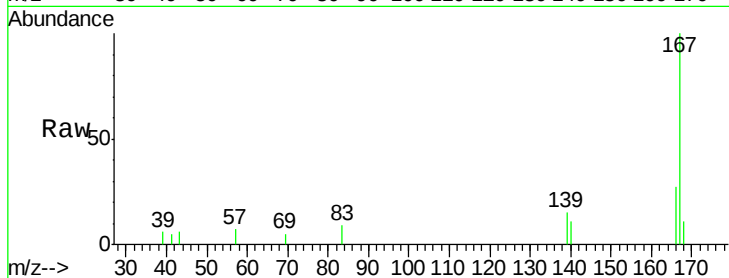
ClientSampleId :

SP-2(0-2)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
4260	167	100			
	166	26.6		17.5	26.3#
	139	15.2		10.3	15.5

Manual Integrations
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#74

Fluoranthene

Concen: 32.58 ng

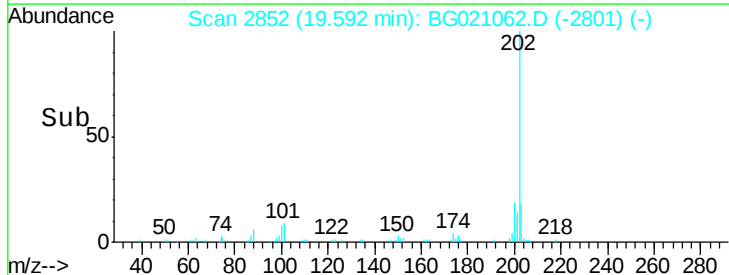
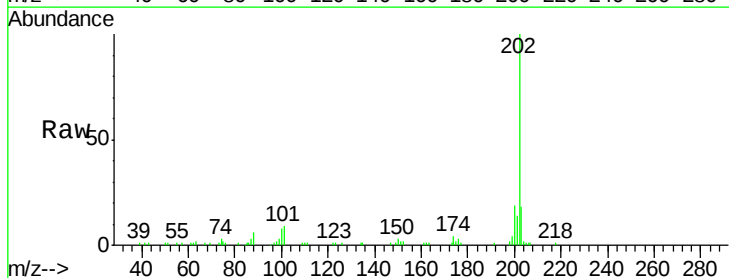
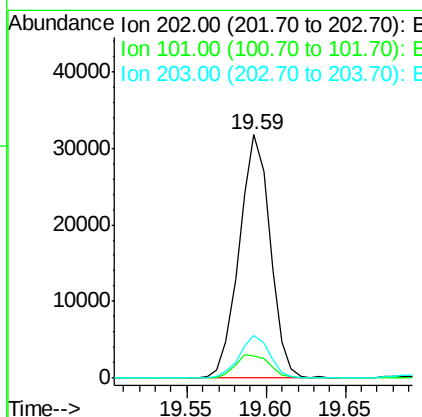
RT: 19.59 min Scan# 2852

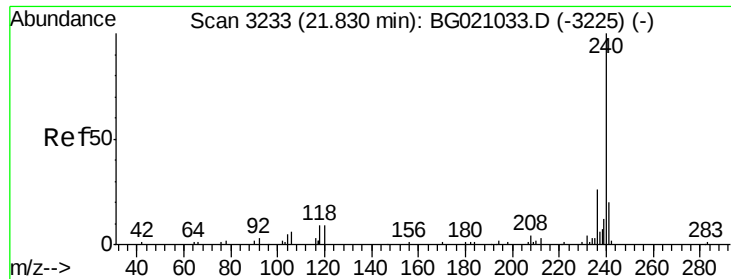
Delta R.T. 0.00 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43120	202	100			
	101	9.1		0.0	32.5
	203	17.7		0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.82 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

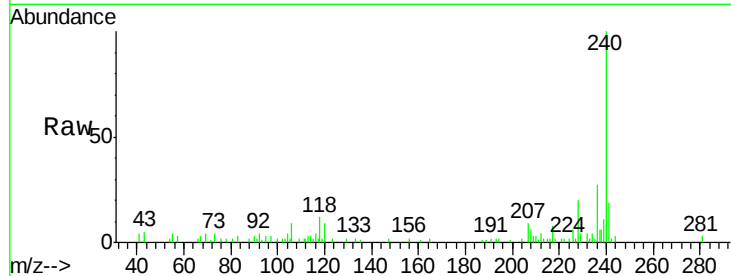
ClientSampleId :

SP-2(0-2)

Tot Ion:	240	Resp:	17614
Ion Ratio	Lower	Upper	
240	100		
120	9.1	7.5	11.3
236	27.4	20.5	30.7

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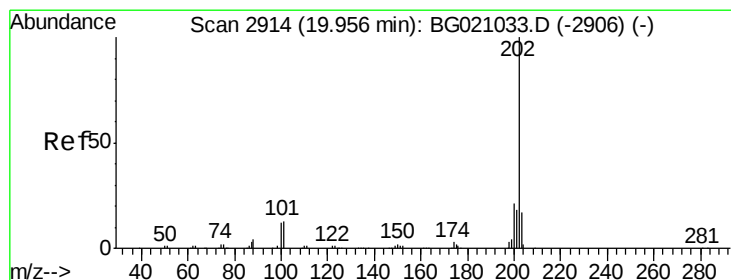
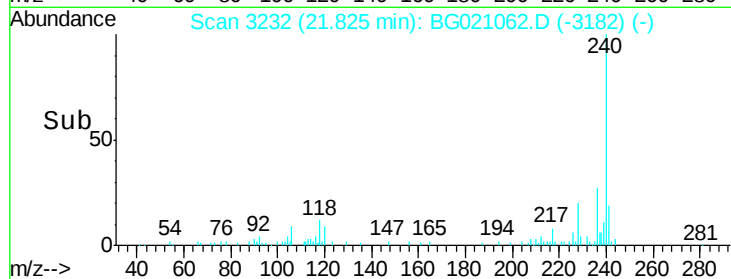
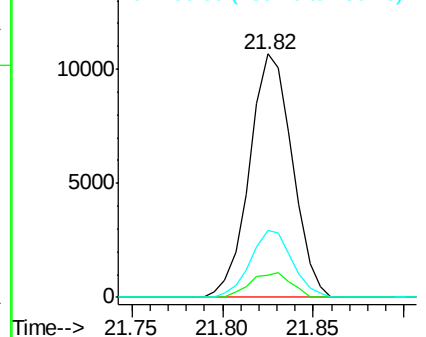
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 20.08 ng

RT: 19.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG021062.D

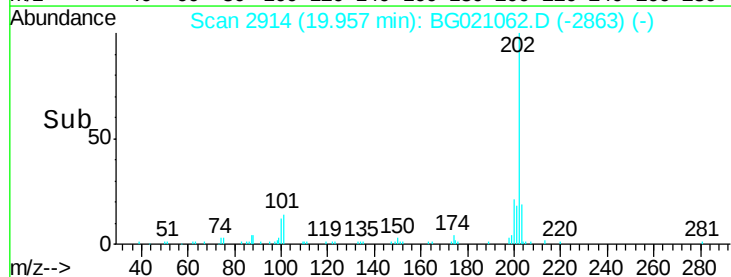
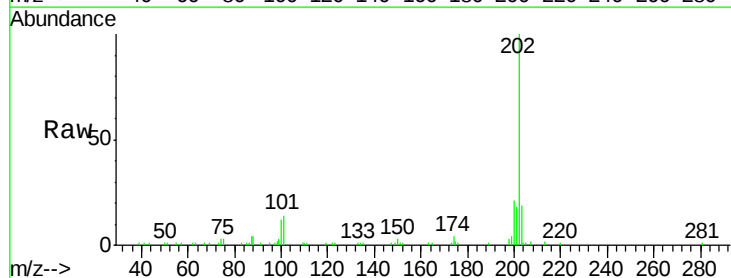
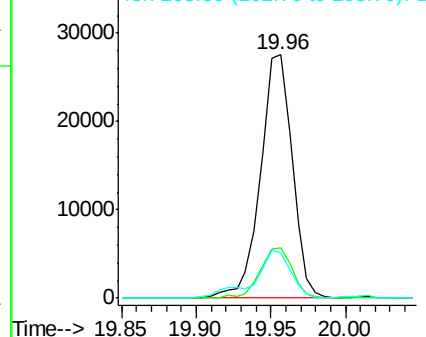
Acq: 24 Feb 2016 21:51

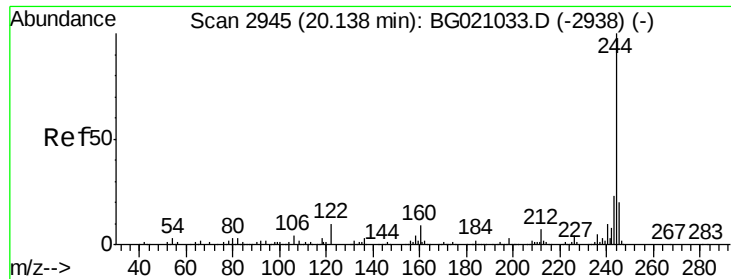
Tgt Ion:	202	Resp:	40417
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.6	25.0
203	18.8	13.8	20.8

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: 45.27 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

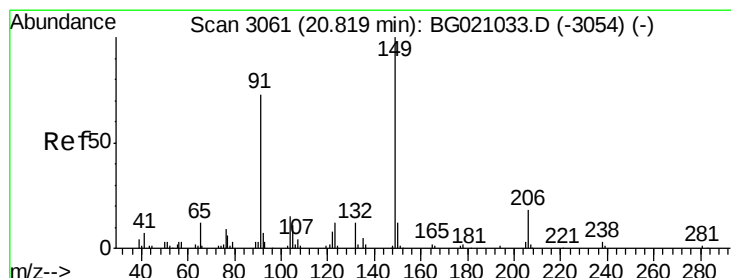
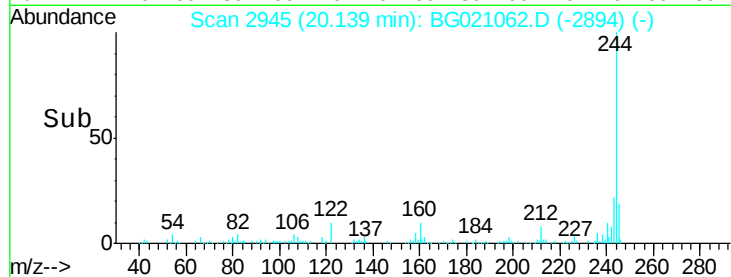
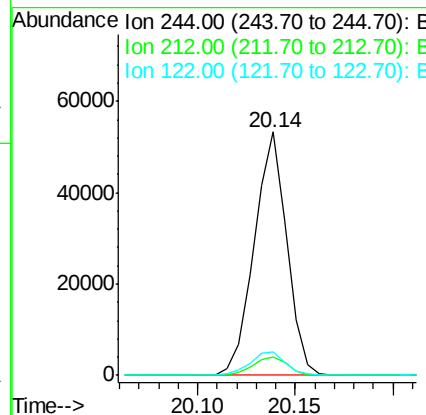
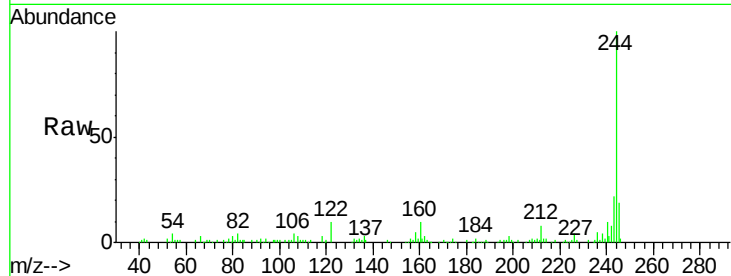
ClientSampleId :

SP-2(0-2)

Tot Ion:	244	Resp:	61450
Ion Ratio		Lower	Upper
244	100		
212	7.6	5.8	8.6
122	9.8	8.3	12.5

Manual Integrations
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#79

Butylbenzylphthalate

Concen: 20.91 ng

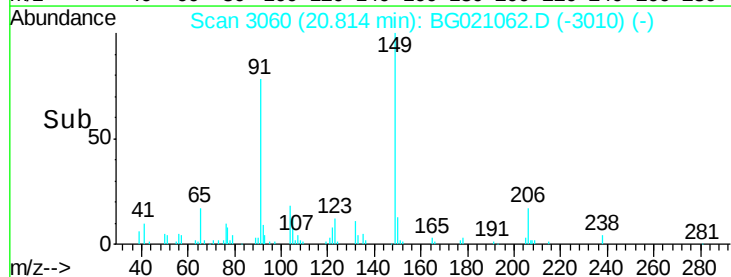
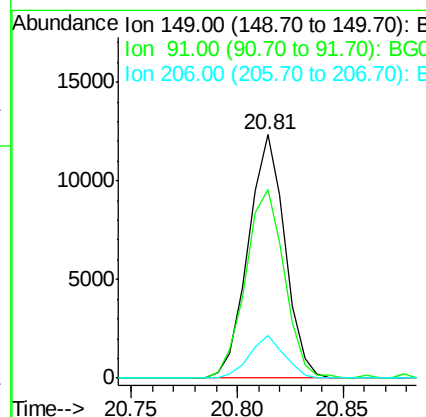
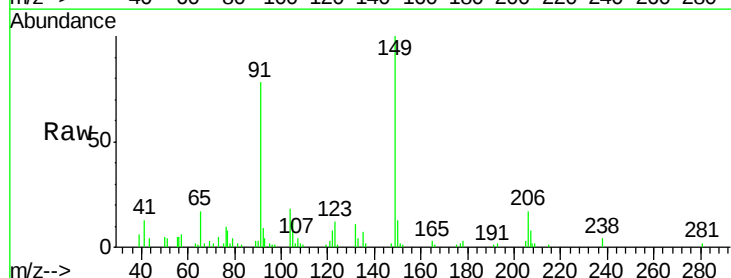
RT: 20.81 min Scan# 3060

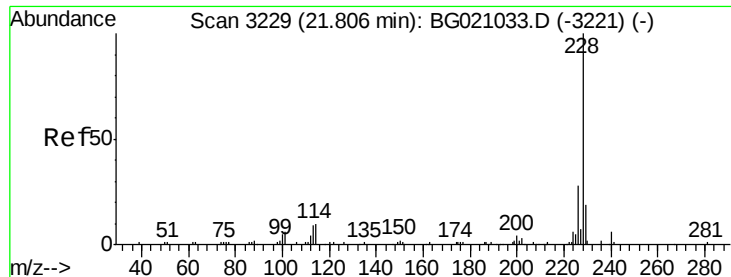
Delta R.T. -0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Tgt Ion:	149	Resp:	14838
Ion Ratio		Lower	Upper
149	100		
91	77.6	58.6	87.8
206	17.4	14.2	21.4





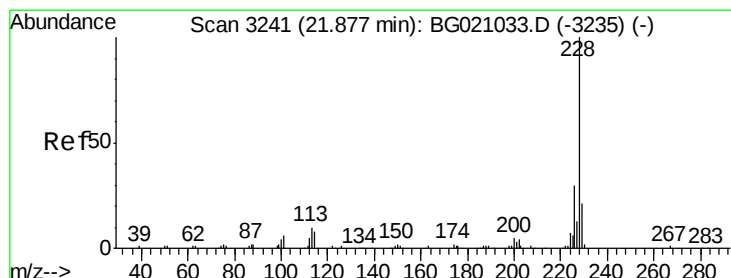
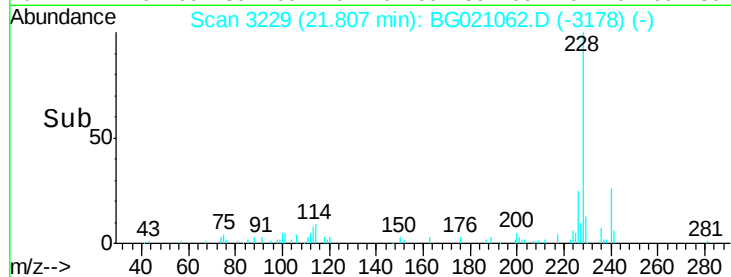
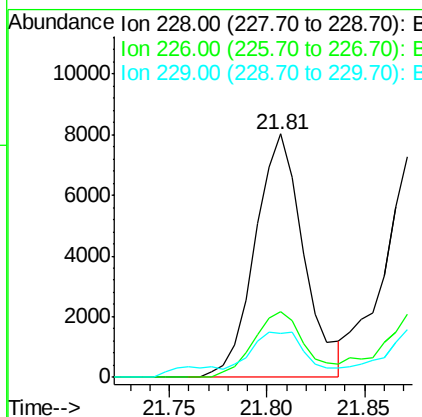
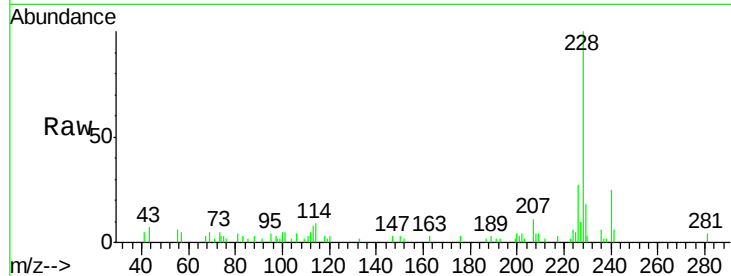
#80
Benzo(a)anthracene
Concen: 13.13 ng
RT: 21.81 min Scan# 3229
Delta R.T. 0.00 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.7	34.1
229	18.0	15.5	23.3

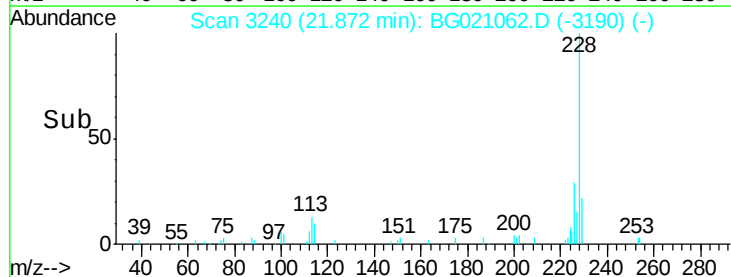
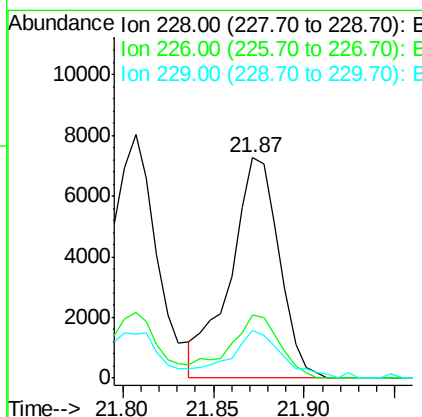
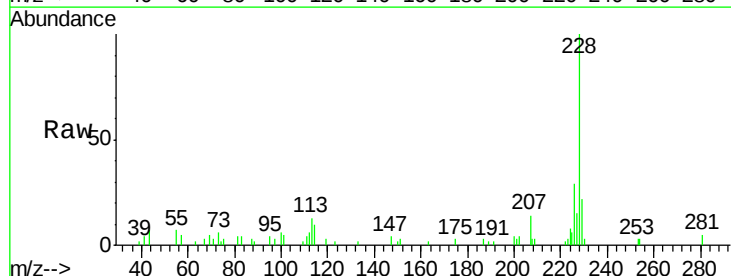
Manual Integrations
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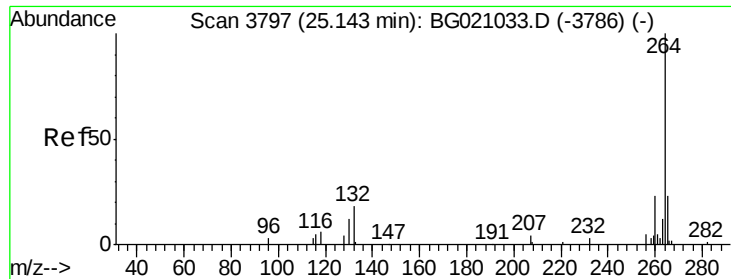
Sohil
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#82
Chrysene
Concen: 13.76 ng
RT: 21.87 min Scan# 3240
Delta R.T. -0.01 min
Lab File: BG021062.D
Acq: 24 Feb 2016 21:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.7	35.5
229	21.8	16.7	25.1





#86

Pervlene-d12

Concen: 20.00 ng

RT: 25.15 min Scan# 3798

Delta R.T. 0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

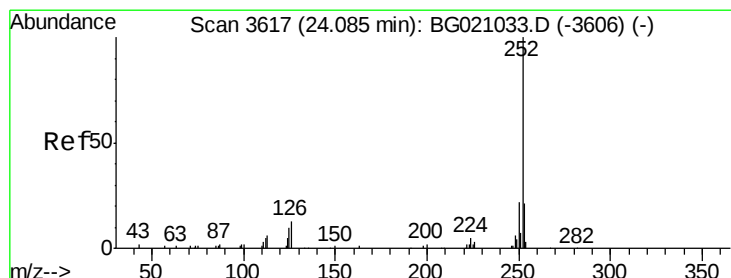
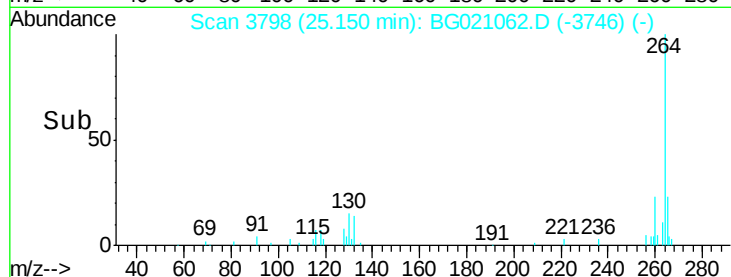
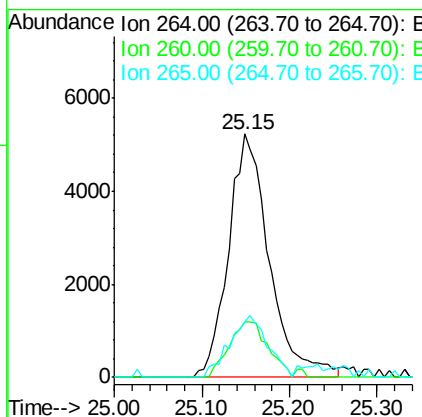
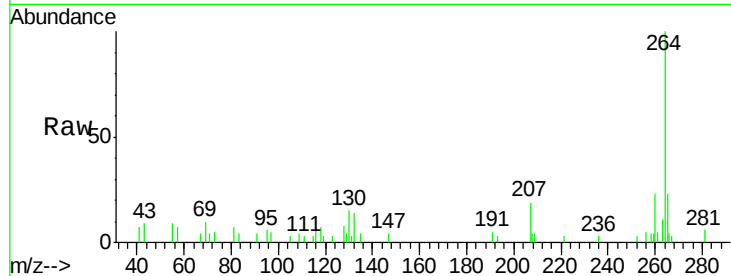
ClientSampleId :

SP-2(0-2)

Tot Ion:	264	Resp:	16569
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.5	27.7
265	22.6	18.6	28.0

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 11.76 ng

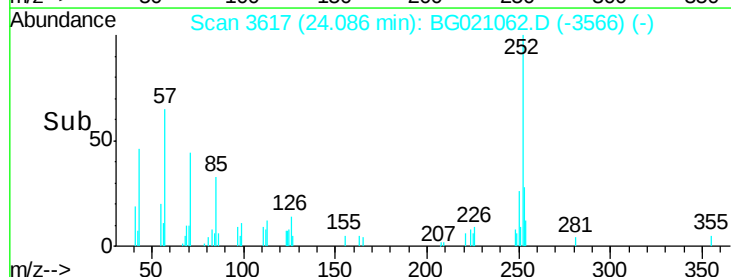
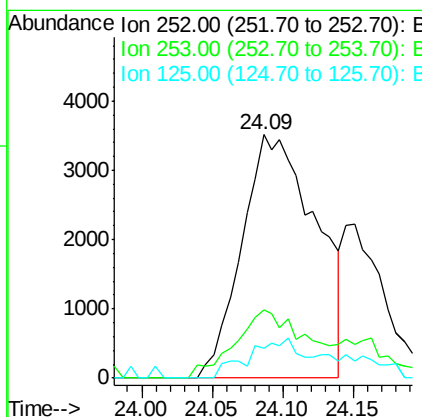
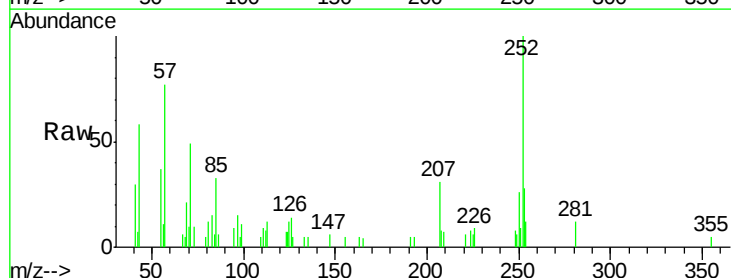
RT: 24.09 min Scan# 3617

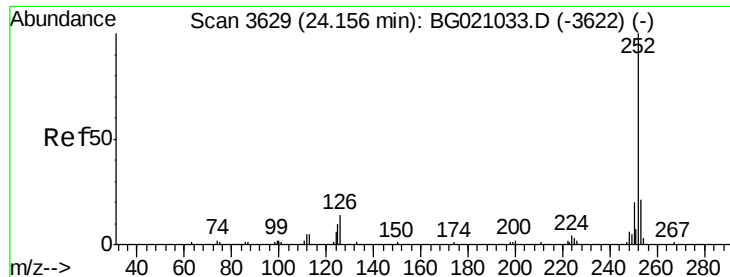
Delta R.T. 0.00 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Tgt Ion:	252	Resp:	12850
Ion Ratio	Lower	Upper	
252	100		
253	28.2	16.8	25.2#
125	12.1	8.2	12.2





#88

Benzo(k)fluoranthene

Concen: 4.29 ng/mL

RT: 24.15 min Scan# 3628

Delta R.T. -0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Instrument :

BNA_G

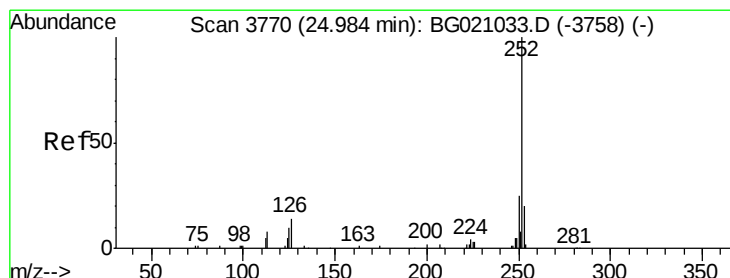
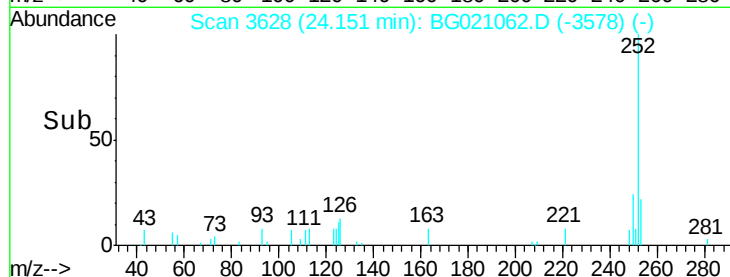
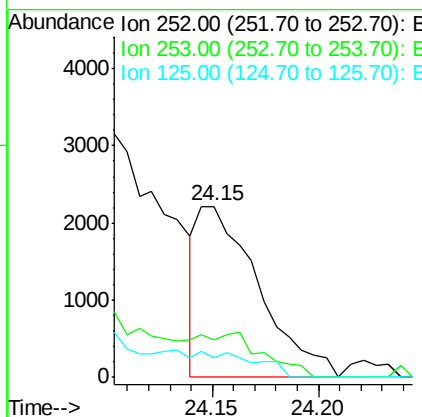
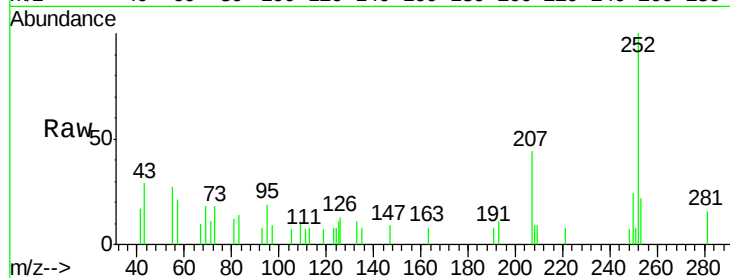
ClientSampleId :

SP-2(0-2)

Tot Ion:	252	Resp:	4422
Ion Ratio	Lower	Upper	
252	100		
253	22.3	16.4	24.6
125	11.4	8.2	12.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 9.72 ng/mL

RT: 25.00 min Scan# 3772

Delta R.T. 0.01 min

Lab File: BG021062.D

Acq: 24 Feb 2016 21:51

Tgt Ion:	252	Resp:	9513
Ion Ratio	Lower	Upper	
252	100		
253	23.7	15.8	23.8
125	11.7	8.4	12.6

