

Data Path : Z:\HPCHEM1\BNA G\DATA\BG071216\
 Data File : BG023065.D
 Acq On : 13 Jul 2016 10:48
 Operator : UM/SJ
 Sample : H3936-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-4(4-5)

Manual Integrations

umangi
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Quant Time: Jul 13 13:41:27 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 18:30:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	127173	20.00	ng	0.00
21) Naphthalene-d8	10.98	136	564593	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	385060	20.00	ng	0.00
63) Phenanthrene-d10	17.56	188	855654	20.00	ng	0.00
75) Chrysene-d12	21.87	240	1402762	20.00	ng	0.02
86) Perylene-d12	25.26	264	1289709	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	526815	67.75	ng	0.00
7) Phenol-d6	7.31	99	1207469	99.15	ng	0.00
23) Nitrobenzene-d5	9.32	82	865925	65.67	ng	0.00
41) 2,4,6-Tribromophenol	16.29	330	169332	24.47	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1629171	66.64	ng	0.00
78) Terphenyl-d14	20.16	244	2800387	55.11	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.33	94	31217	2.49	ng	88
20) 3+4-Methylphenols	8.92	107	23436	2.06	ng	# 83
49) Dimethylphthalate	14.24	163	305020	9.70	ng	97
70) Phenanthrene	17.60	178	472516	11.27	ng	98
71) Anthracene	17.68	178	135758m	3.20	ng	
73) Di-n-butylphthalate	18.50	149	199936	4.90	ng	96
74) Fluoranthene	19.61	202	882127	17.14	ng	94
77) Pyrene	19.97	202	856968	10.87	ng	93
79) Butylbenzylphthalate	20.84	149	108416	3.47	ng	95
80) Benzo(a)anthracene	21.84	228	739734	9.43	ng	95
82) Chrysene	21.91	228	801128	10.88	ng	98
83) Bis(2-ethylhexyl)phthalate	21.73	149	722419	16.66	ng	98
84) Di-n-octyl phthalate	23.00	149	365911	5.06	ng	# 96
85) Indeno(1,2,3-cd)pyrene	29.12	276	514344	5.48	ng	# 100
87) Benzo(b)fluoranthene	24.18	252	1040476	13.98	ng	# 99
88) Benzo(k)fluoranthene	24.24	252	654707	9.27	ng	# 95
89) Benzo(a)pyrene	25.09	252	703708	9.87	ng	# 97
90) Dibenzo(a,h)anthracene	29.18	278	241184	3.41	ng	# 89
91) Benzo(a,h,i)perylene	30.34	276	424934	5.99	ng	# 97

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

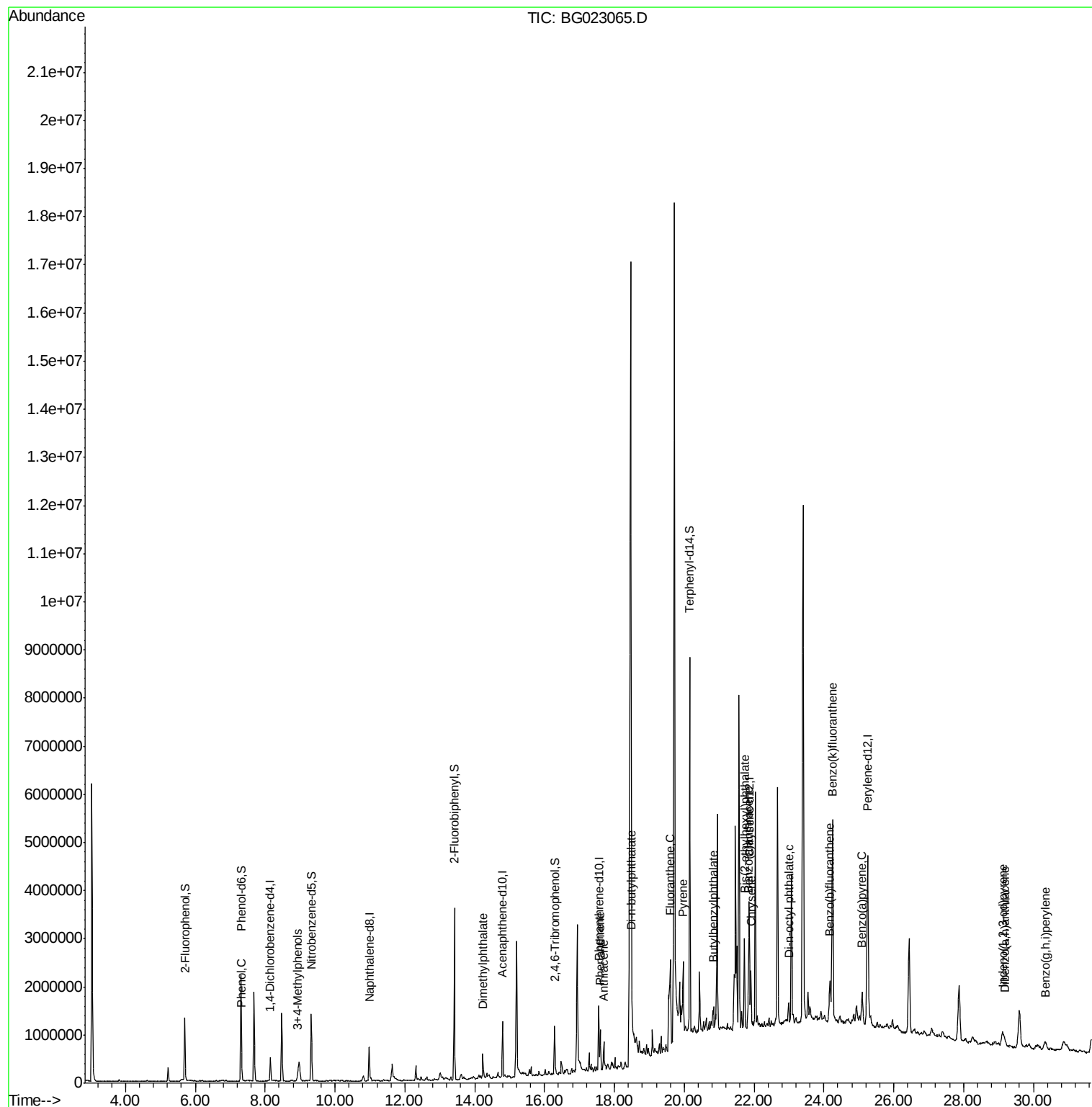
Data Path : Z:\HPCHEM1\BNA G\DATA\BG071216\
Data File : BG023065.D
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Sample : H3936-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

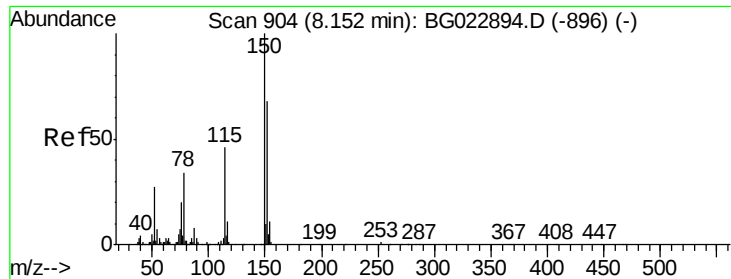
Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

Manual Integrations

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Quant Time: Jul 13 13:41:27 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG070816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

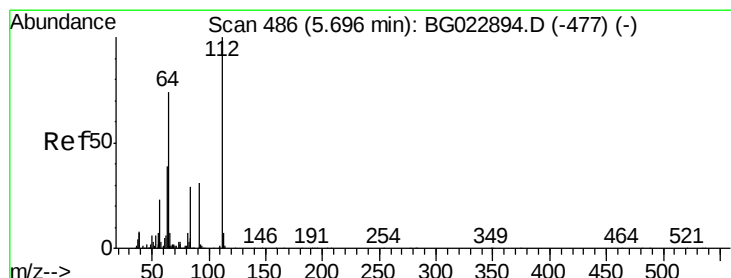
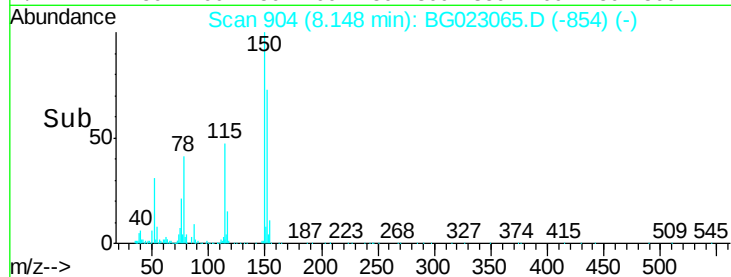
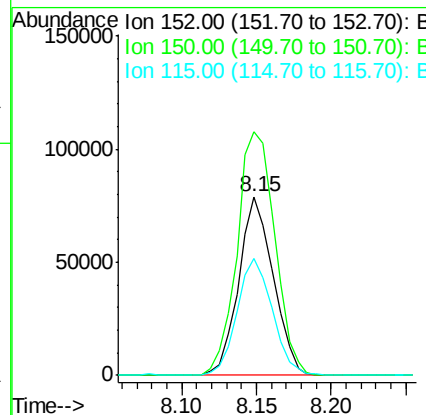
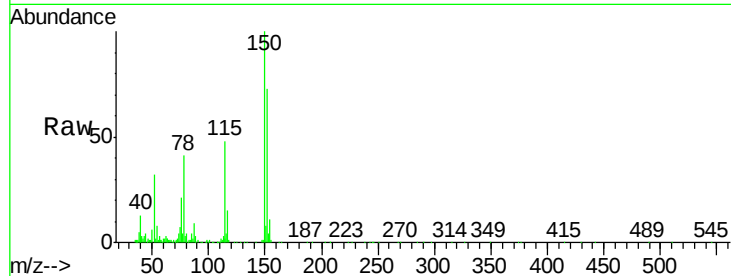
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.15 min Scan# 904
Delta R.T. -0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	136.5	144.7	217.1#
115	65.3	64.0	96.0

Manual Integrations

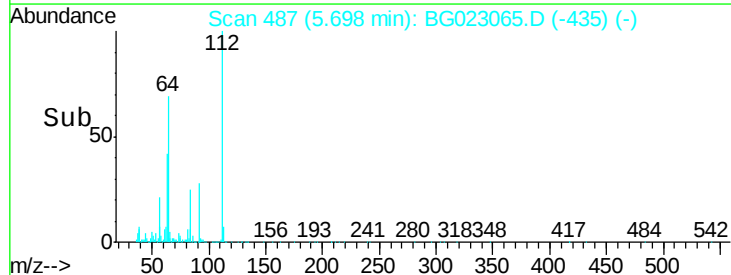
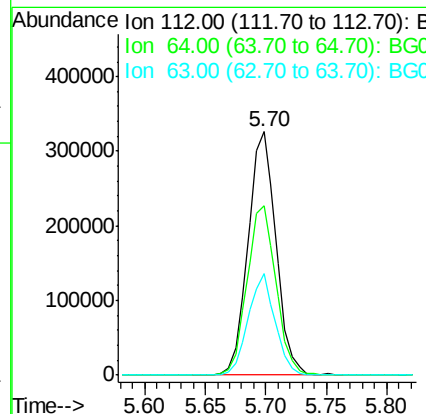
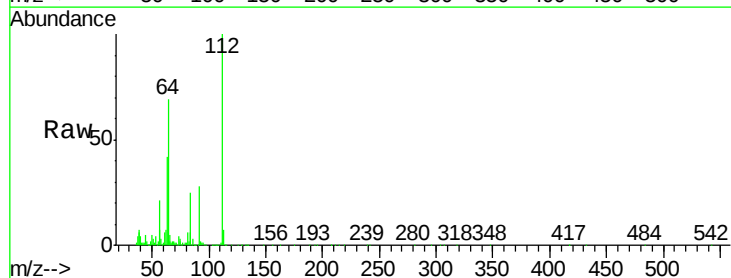
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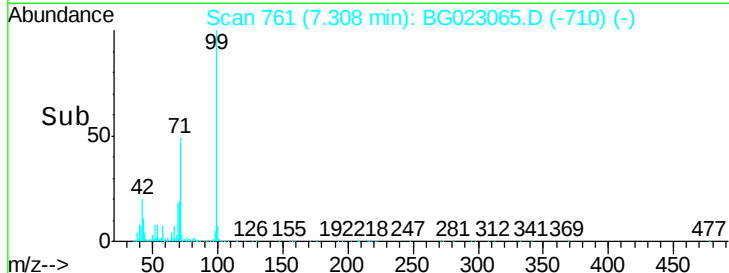
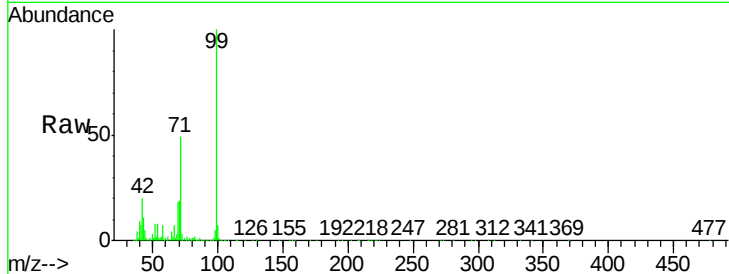
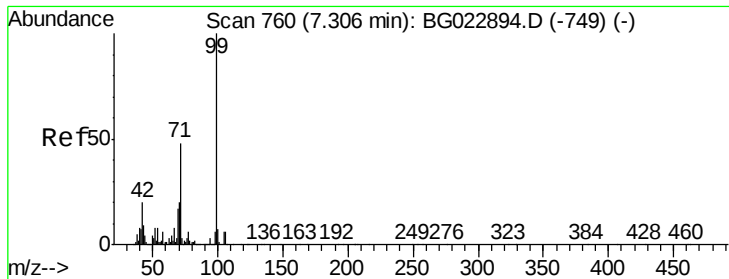


#5

2-Fluorophenol
Concen: 67.75 ng
RT: 5.70 min Scan# 487
Delta R.T. 0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	59.0	88.4
63	41.9	37.8	56.8





#7

Phenol-d6

Concen: 99.15 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Tot Ion: 99 Resp: 1207469

Ion Ratio Lower Upper

99 100

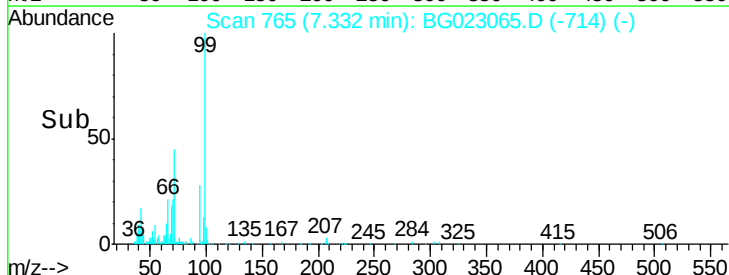
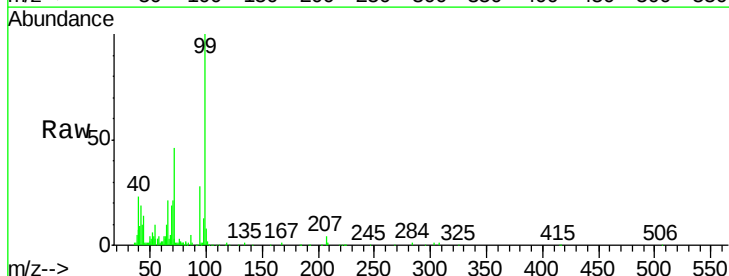
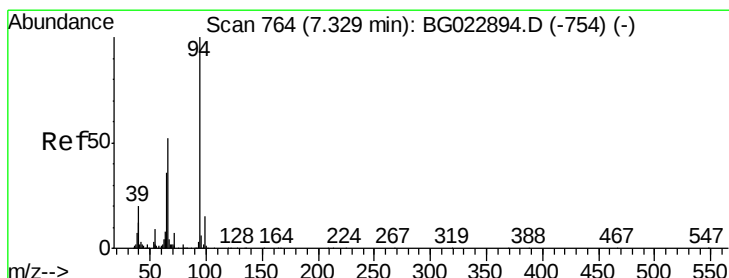
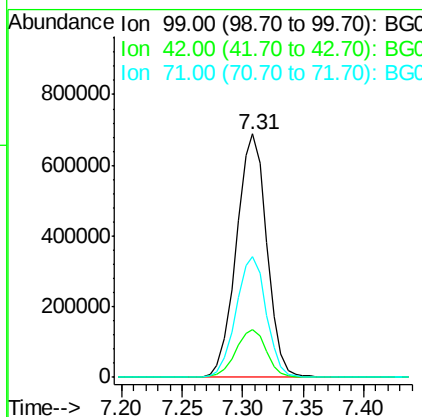
42 19.6 17.8 26.6

71 49.4 41.5 62.3

Manual Integrations

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#10

Phenol

Concen: 2.49 ng

RT: 7.33 min Scan# 765

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

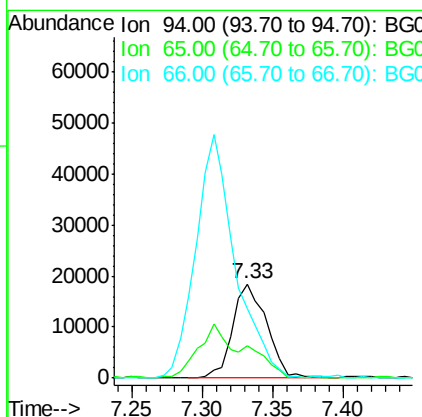
Tgt Ion: 94 Resp: 31217

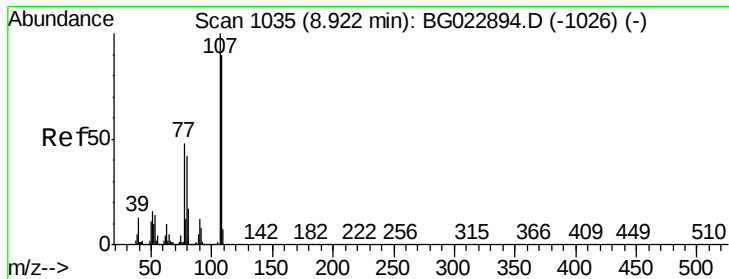
Ion Ratio Lower Upper

94 100

65 34.7 18.1 58.1

66 73.9 42.1 82.1





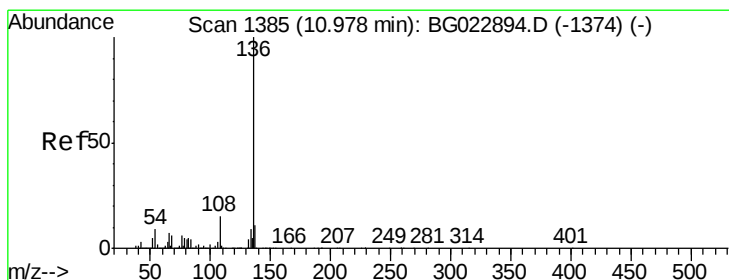
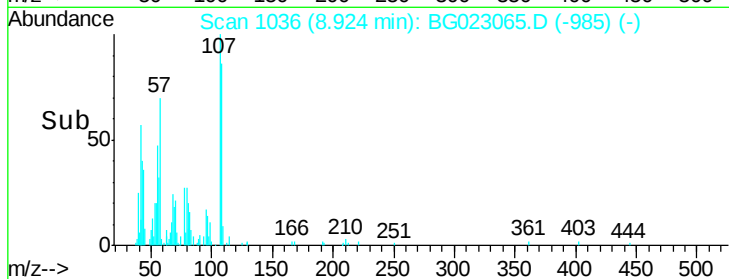
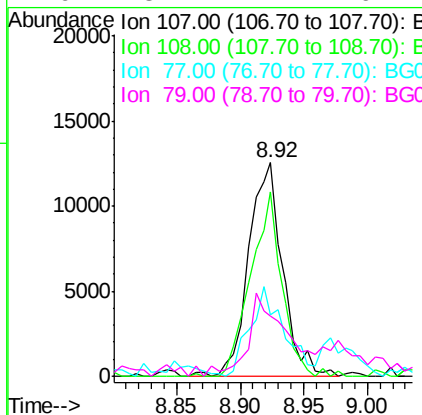
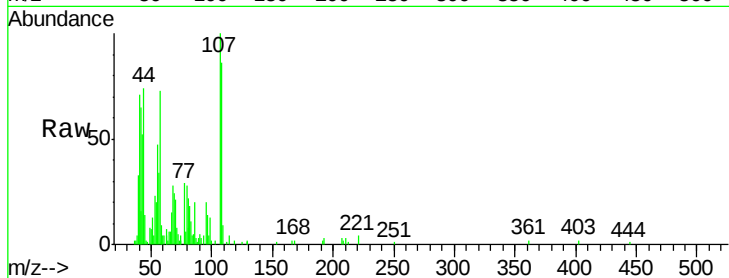
#20
3+4-Methylphenols
Concen: 2.06 ng
RT: 8.92 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

Tot Ion:	107	Resp:	23436
Ion Ratio	Lower	Upper	
107	100		
108	86.3	72.5	112.5
77	28.5	30.1	70.1
79	28.2	24.2	64.2

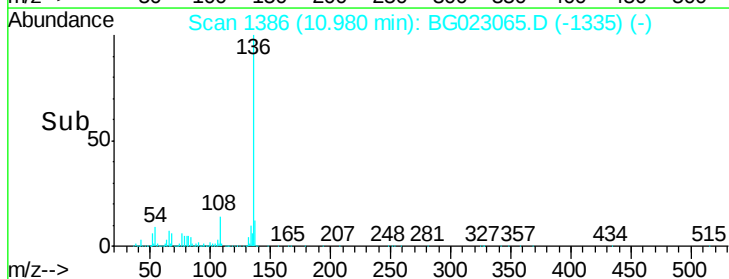
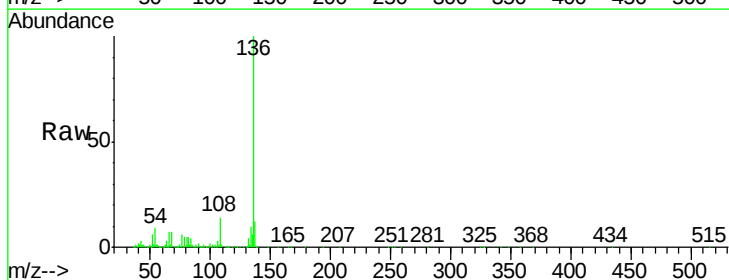
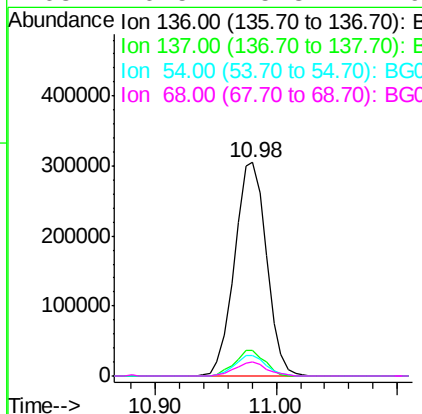
Manual Integrations

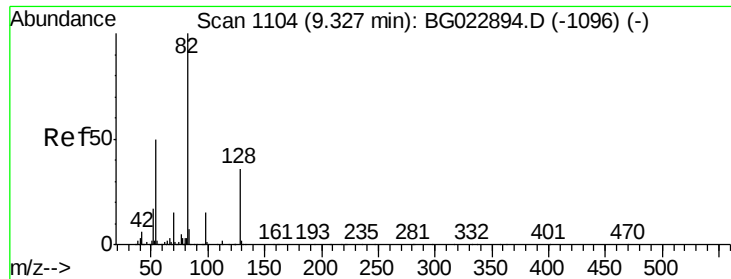
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.98 min Scan# 1386
Delta R.T. 0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion:	136	Resp:	564593
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.6	14.4
54	9.5	7.3	10.9
68	6.5	5.3	7.9





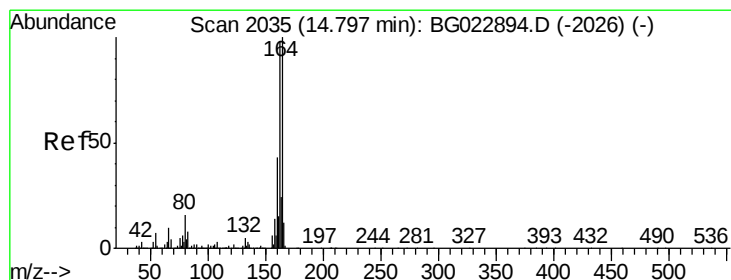
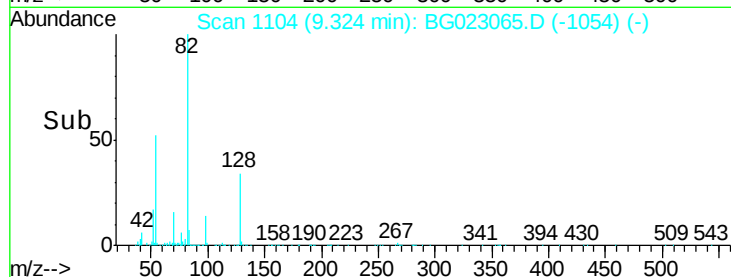
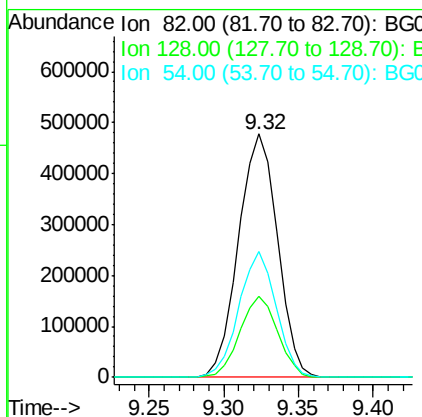
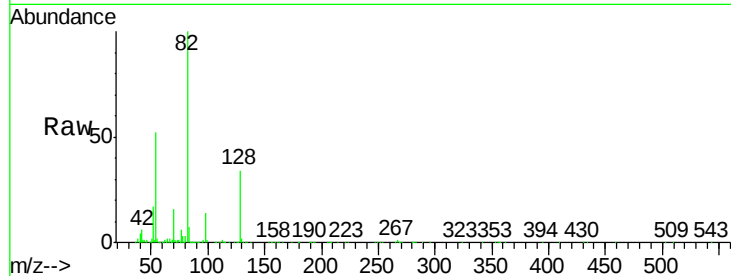
#23
 Nitrobenzene-d5
 Concen: 65.67 ng
 RT: 9.32 min Scan# 1104
 Delta R.T. -0.00 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

Instrument :
 BNA_G
 ClientSampleId :
 SB-4(4-5)

Tot Ion	82.00 (81.70 to 82.70): BGC	Resp	865925
Ion Ratio	Lower	Upper	
82	100		
128	33.5	24.4	36.6
54	51.7	41.4	62.0

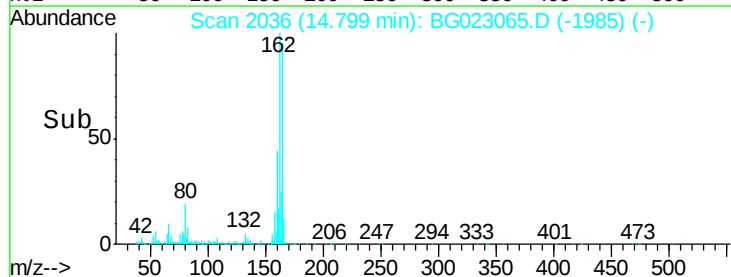
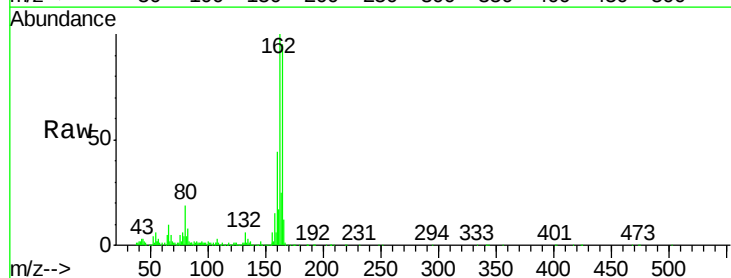
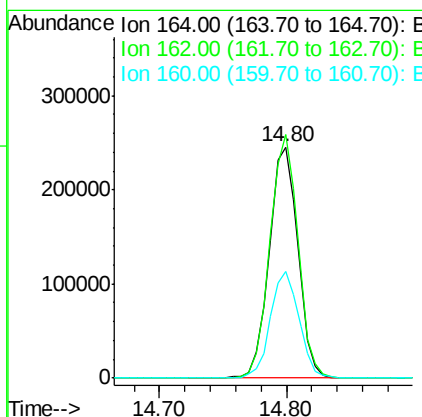
Manual Integrations

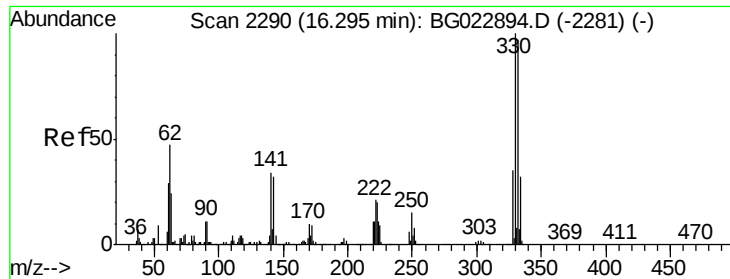
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.80 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

Tgt Ion	164.00 (163.70 to 164.70): BGC	Resp	385060
Ion Ratio	Lower	Upper	
164	100		
162	105.2	87.7	131.5
160	46.2	37.2	55.8





#41

2,4,6-Tribromophenol

Concen: 24.47 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.01 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

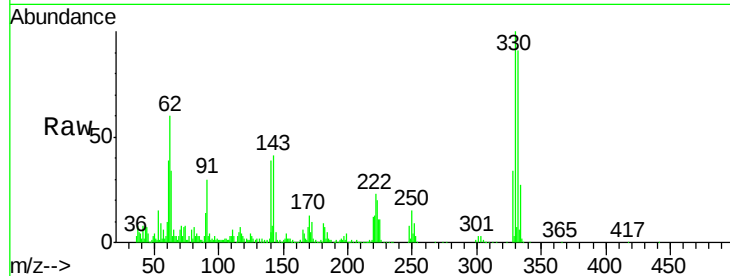
SB-4(4-5)

Tot Ion:	330	Resp:	169332
Ion Ratio	Lower	Upper	
330	100		
332	94.3	77.4	116.2
141	38.0	31.7	47.5

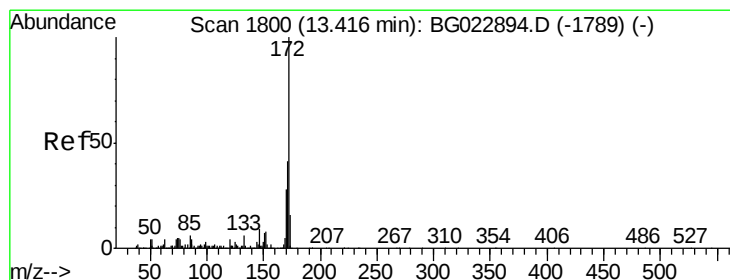
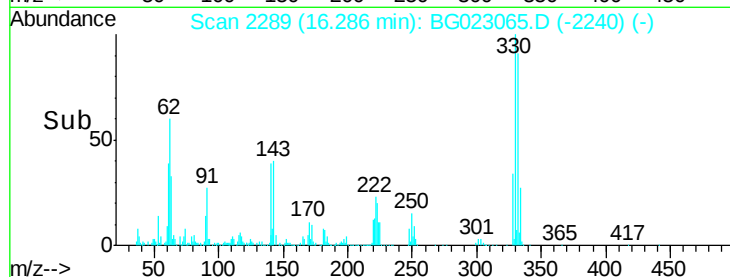
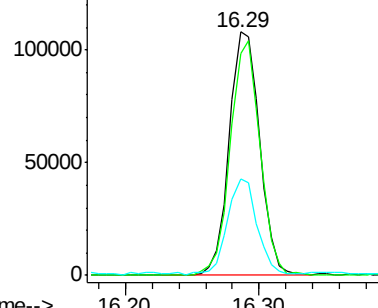
Manual Integrations

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 66.64 ng

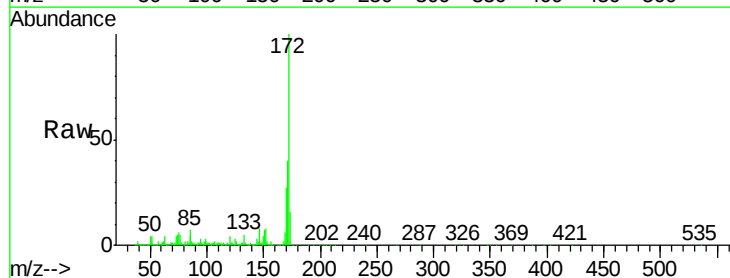
RT: 13.42 min Scan# 1801

Delta R.T. 0.00 min

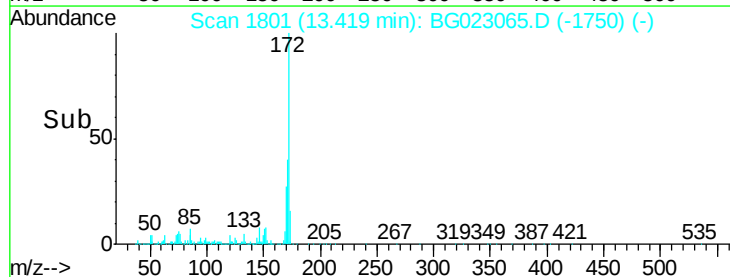
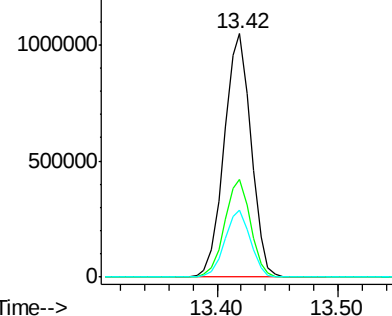
Lab File: BG023065.D

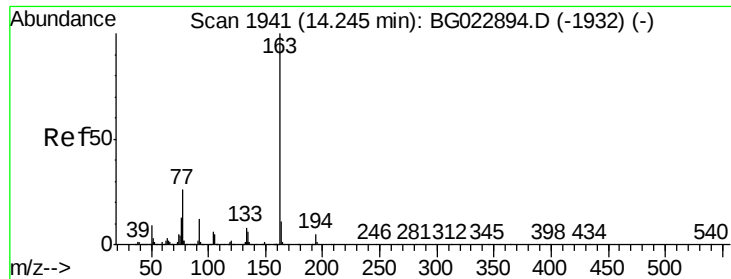
Acq: 13 Jul 2016 10:48

Tgt Ion:	172	Resp:	1629171
Ion Ratio	Lower	Upper	
172	100		
171	40.1	31.6	47.4
170	27.5	21.3	31.9



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





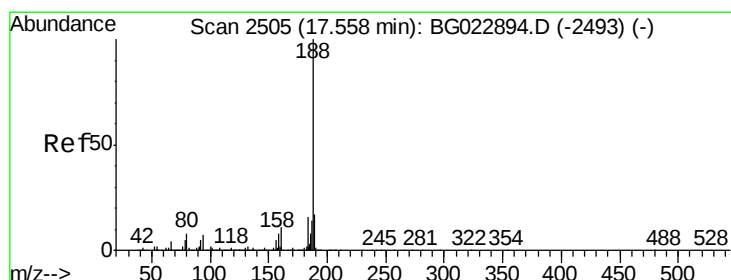
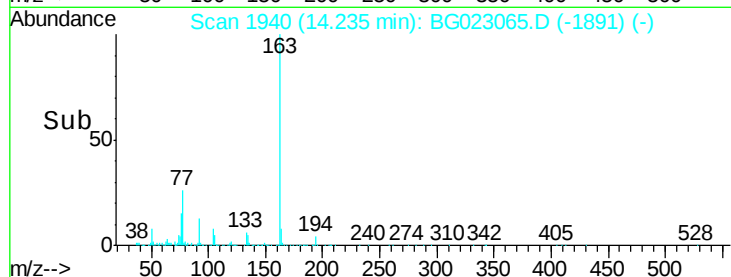
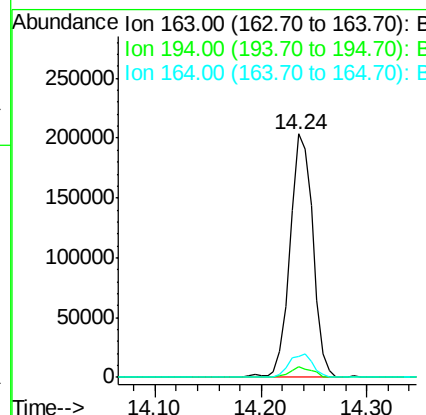
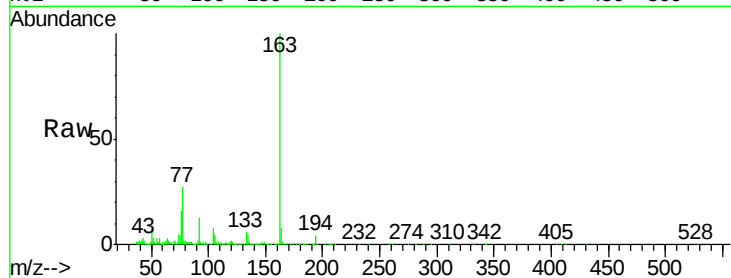
#49
Dimethylphthalate
Concen: 9.70 ng
RT: 14.24 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampled :
SB-4(4-5)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.6	5.4
164	8.5	8.1	12.1

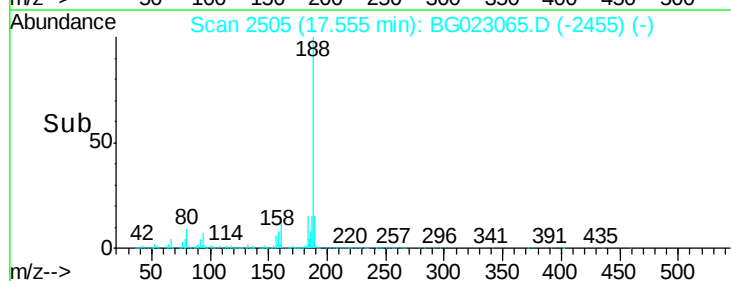
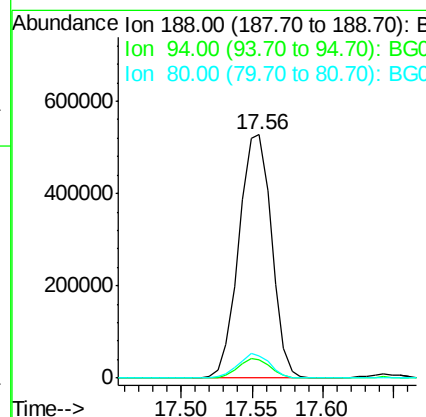
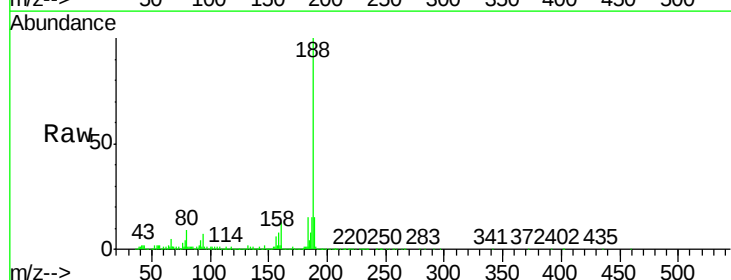
Manual Integrations

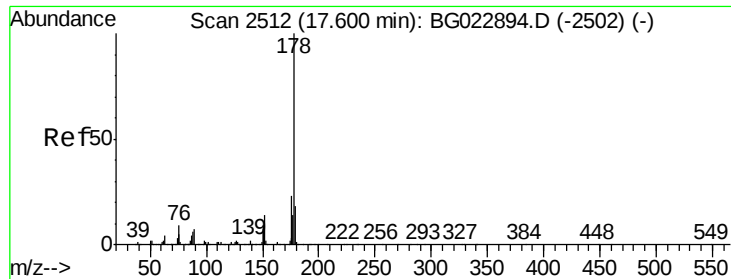
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.56 min Scan# 2505
Delta R.T. -0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.2	7.8
80	8.9	7.2	10.8





#70

Phenanthrene

Concen: 11.27 ng

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

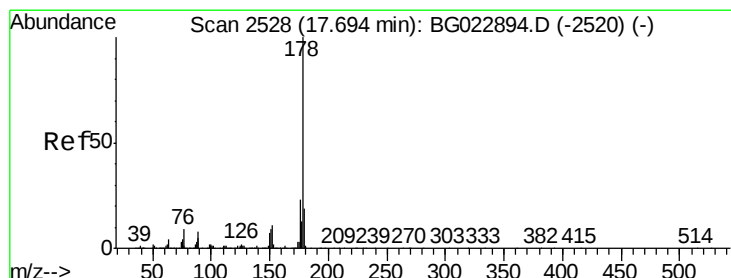
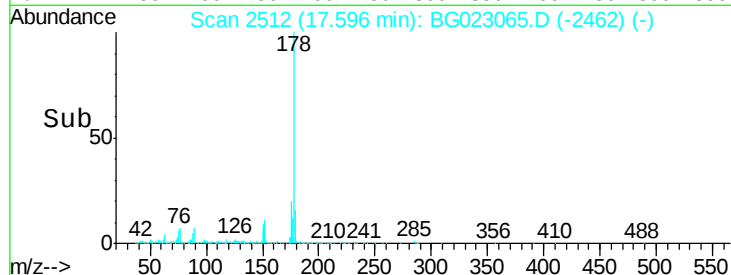
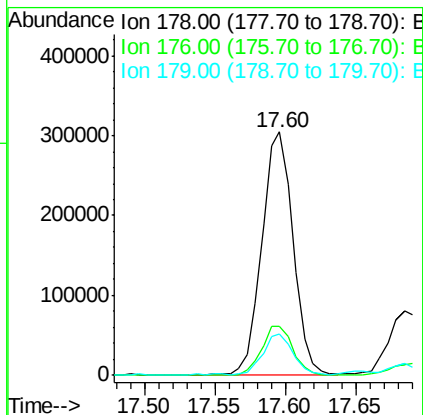
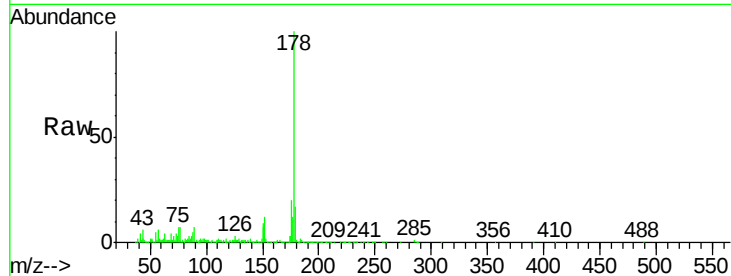
SB-4(4-5)

Tot Ion:178	Resp:	472516
Ion Ratio	Lower	Upper
178	100	
176	20.3	16.8 25.2
179	16.9	14.3 21.5

Manual Integrations

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#71

Anthracene

Concen: 3.20 ng m

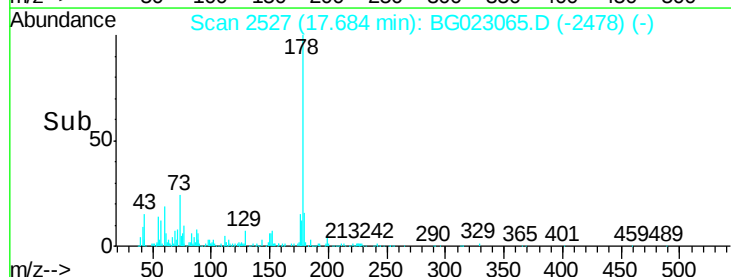
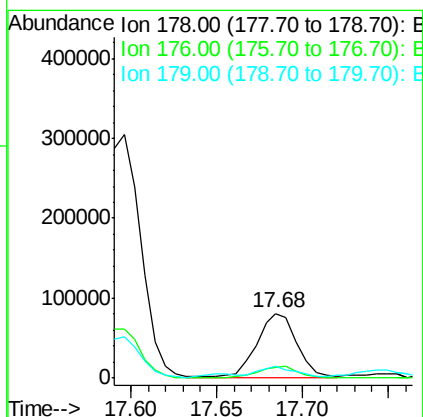
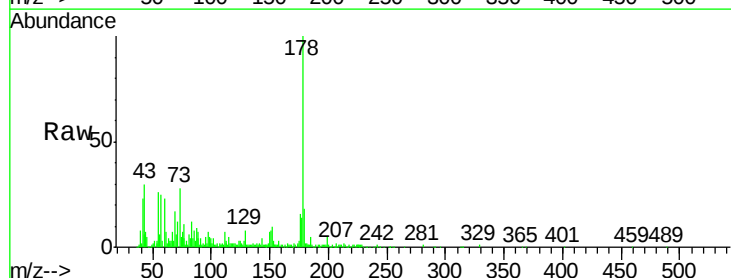
RT: 17.68 min Scan# 2527

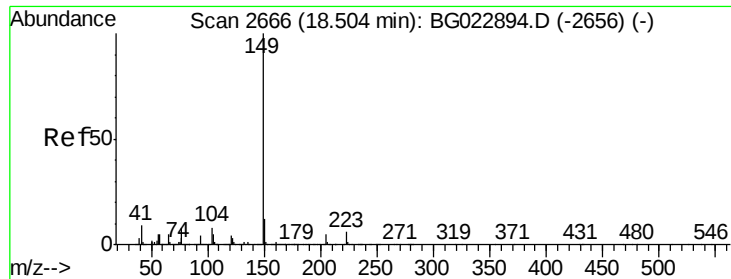
Delta R.T. -0.01 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Tgt Ion:178	Resp:	135758
Ion Ratio	Lower	Upper
178	100	
176	15.7	17.3 25.9#
179	17.7	14.0 21.0





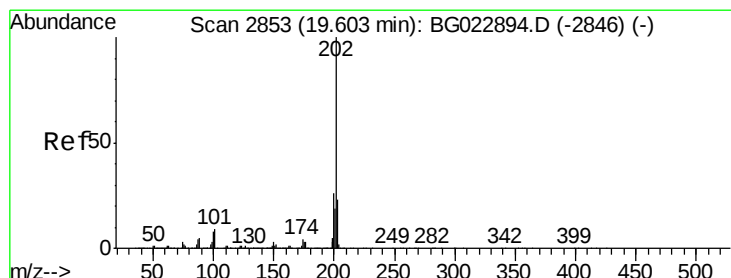
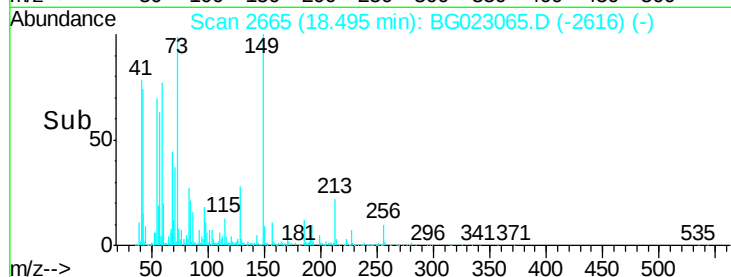
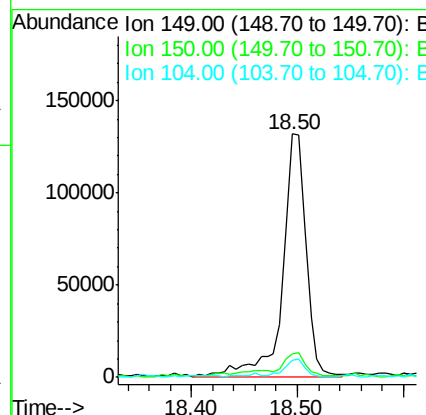
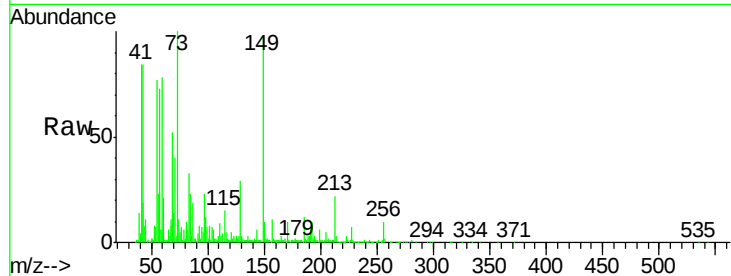
#73
Di-n-butylphthalate
Concen: 4.90 ng
RT: 18.50 min Scan# 2665
Delta R.T. -0.01 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.8	9.1	13.7
104	7.2	6.9	10.3

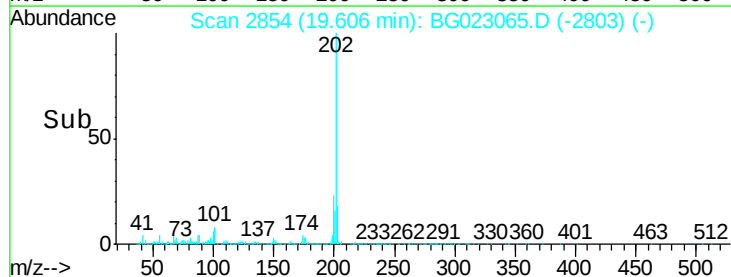
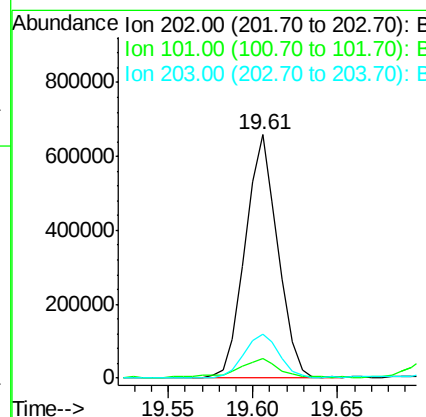
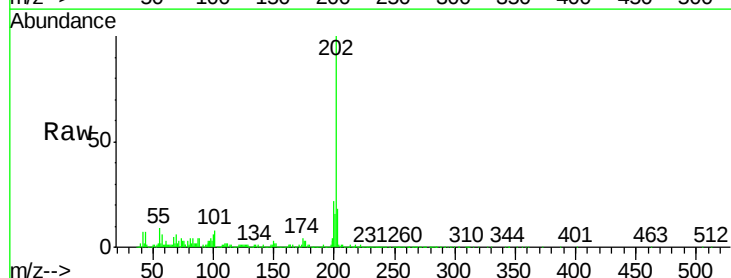
Manual Integrations

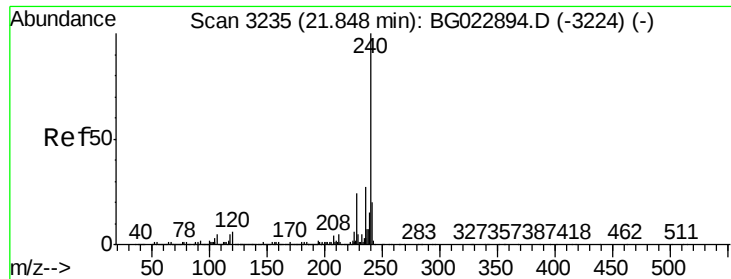
umangi
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#74
Fluoranthene
Concen: 17.14 ng
RT: 19.61 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	27.4
203	18.3	1.7	41.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.87 min Scan# 3239

Delta R.T. 0.02 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampled :

SB-4(4-5)

Tot Ion:240 Resp: 1402762

Ion Ratio Lower Upper

240 100

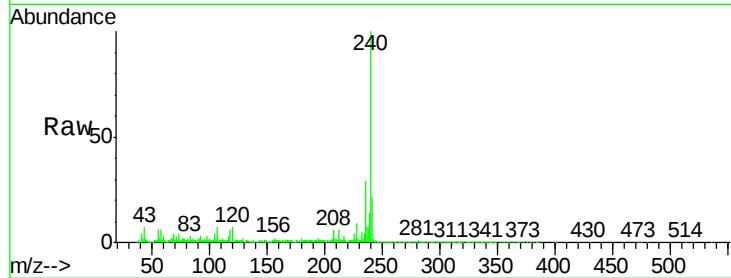
120 6.7 4.1 6.1#

236 29.3 21.1 31.7

Manual Integrations

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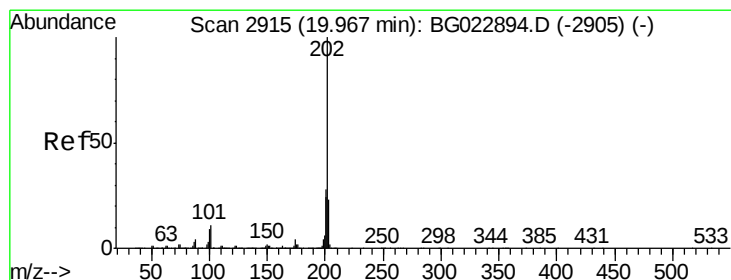
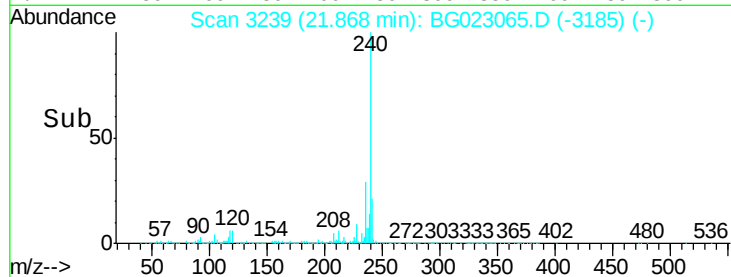
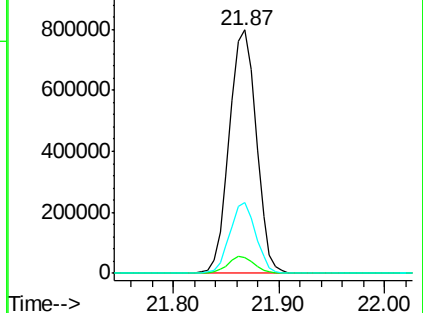
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.87 ng

RT: 19.97 min Scan# 2916

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

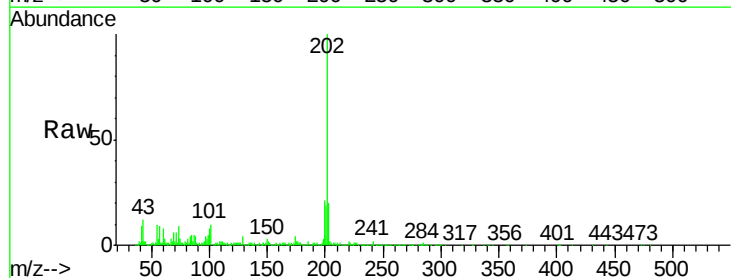
Tgt Ion:202 Resp: 856968

Ion Ratio Lower Upper

202 100

200 21.4 21.2 31.8

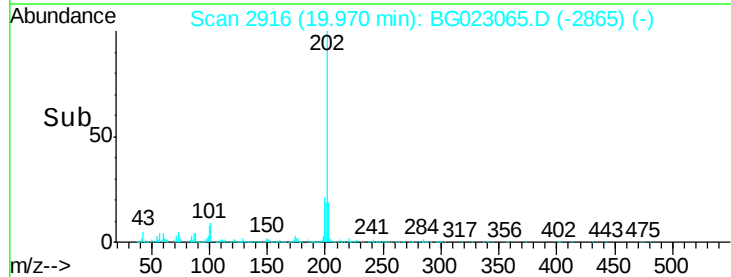
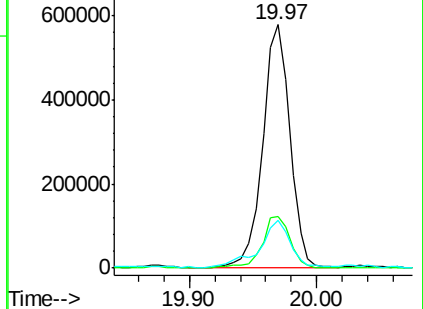
203 19.6 16.8 25.2

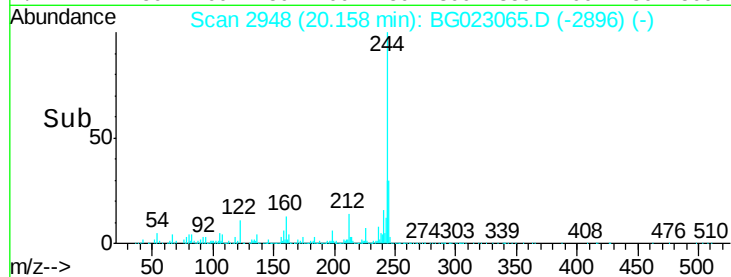
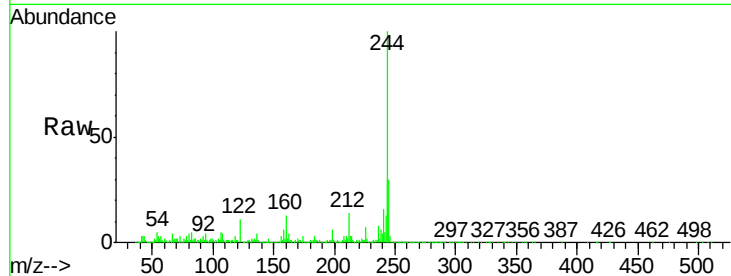
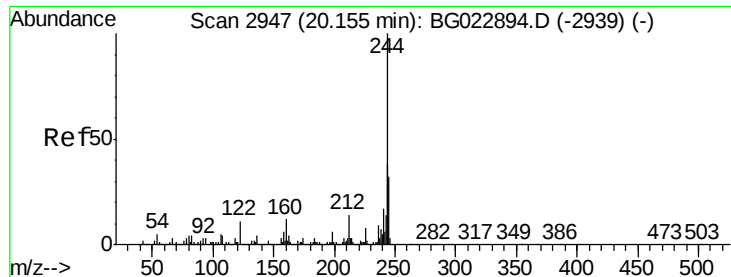


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.11 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Tot Ion:244 Resp: 2800387

Ion Ratio Lower Upper

244 100

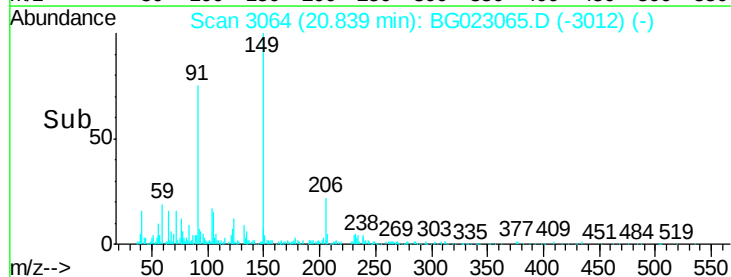
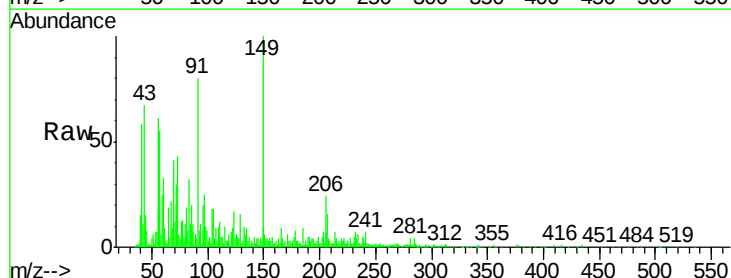
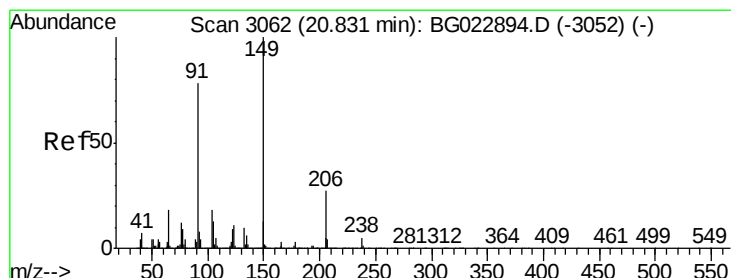
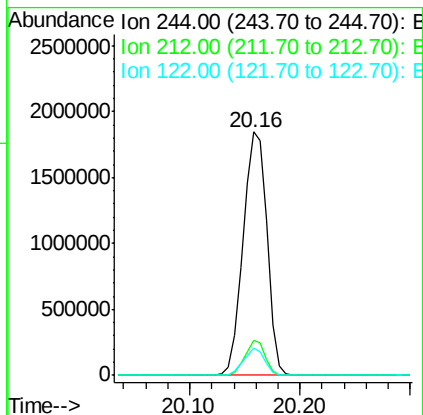
212 14.4 10.8 16.2

122 11.5 8.0 12.0

Manual Integrations

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#79

Butylbenzylphthalate

Concen: 3.47 ng

RT: 20.84 min Scan# 3064

Delta R.T. 0.01 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

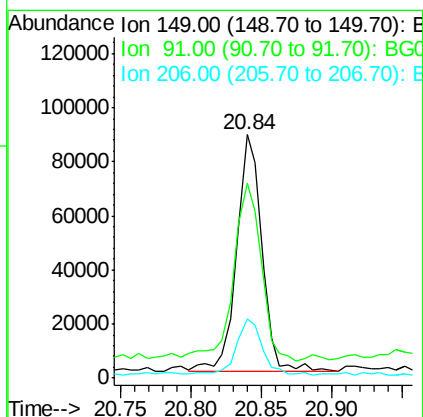
Tgt Ion:149 Resp: 108416

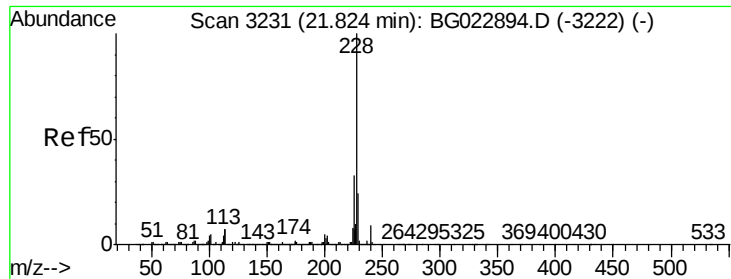
Ion Ratio Lower Upper

149 100

91 79.9 68.1 102.1

206 24.1 19.8 29.6





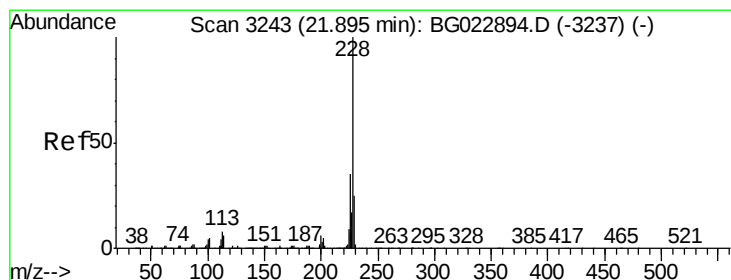
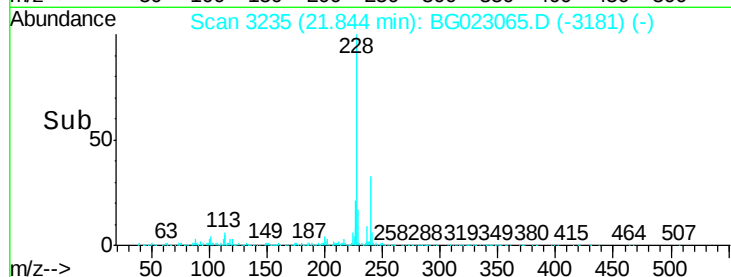
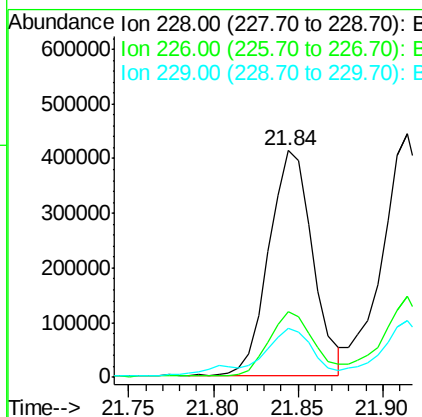
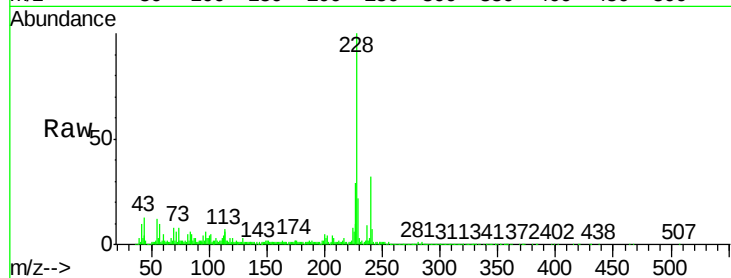
#80
Benzo(a)anthracene
Concen: 9.43 ng
RT: 21.84 min Scan# 3235
Delta R.T. 0.02 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	29.1	25.3	37.9	
229	21.9	19.9	29.9	

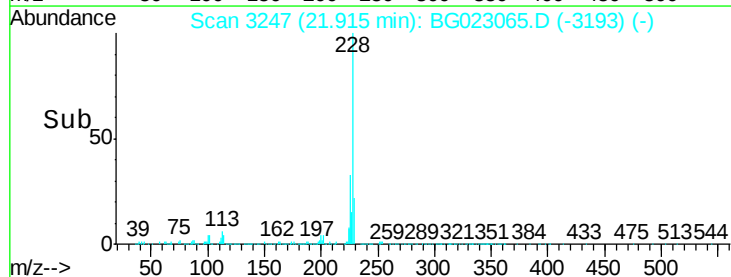
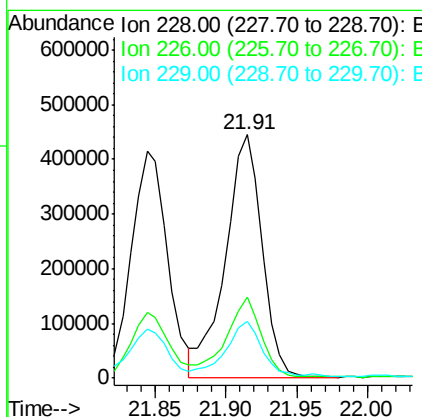
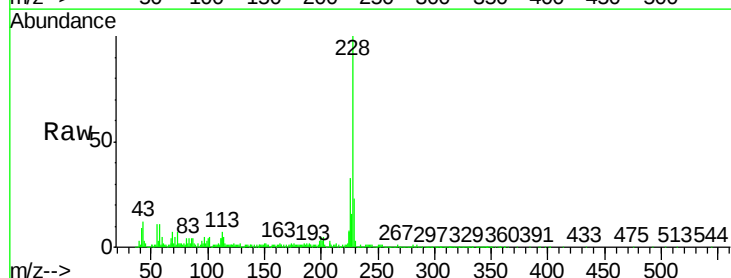
Manual Integrations

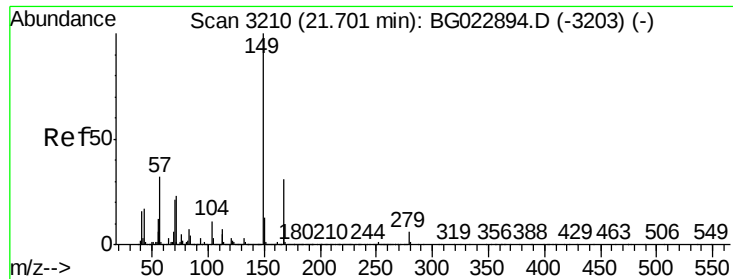
umangi
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#82
Chrysene
Concen: 10.88 ng
RT: 21.91 min Scan# 3247
Delta R.T. 0.02 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	33.1	26.7	40.1	
229	23.3	17.4	26.2	





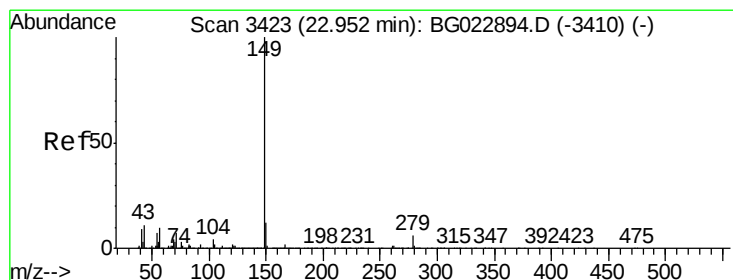
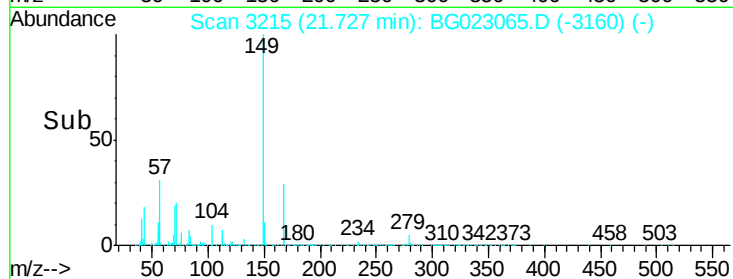
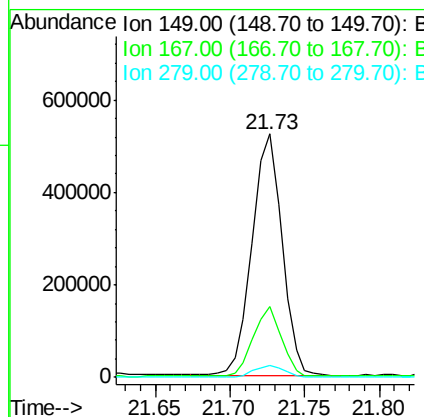
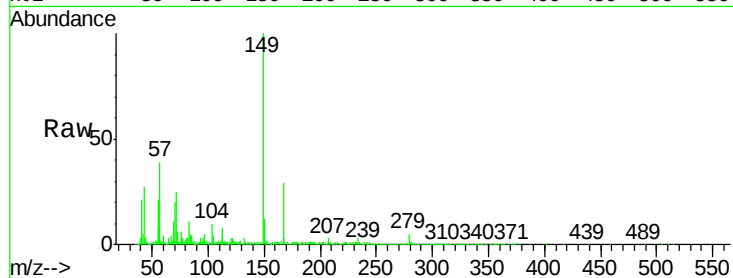
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 16.66 ng
 RT: 21.73 min Scan# 3215
 Delta R.T. 0.03 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

Instrument :
 BNA_G
 ClientSampleId :
 SB-4(4-5)

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.9	24.0	36.0
279	4.8	4.8	7.2

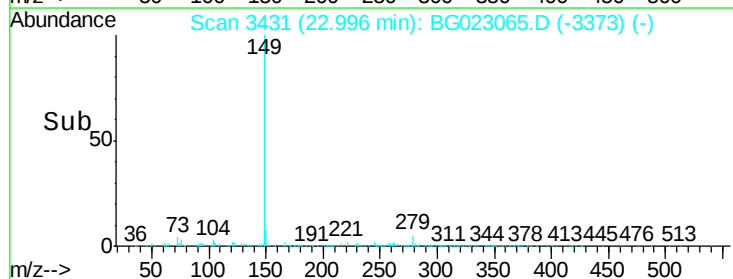
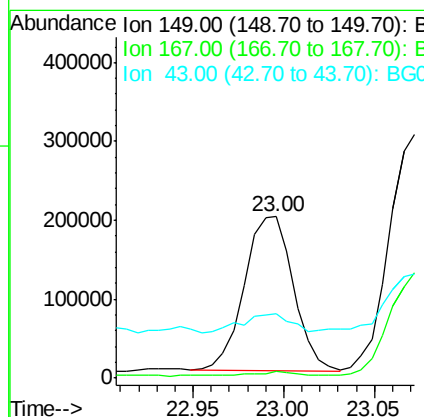
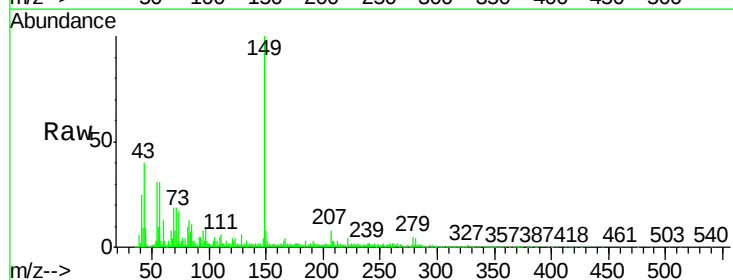
Manual Integrations

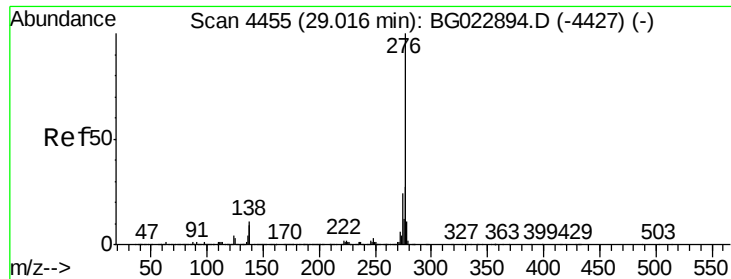
umangi
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#84
 Di-n-octyl phthalate
 Concen: 5.06 ng
 RT: 23.00 min Scan# 3431
 Delta R.T. 0.04 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.5	2.3#
43	12.6	8.8	13.2





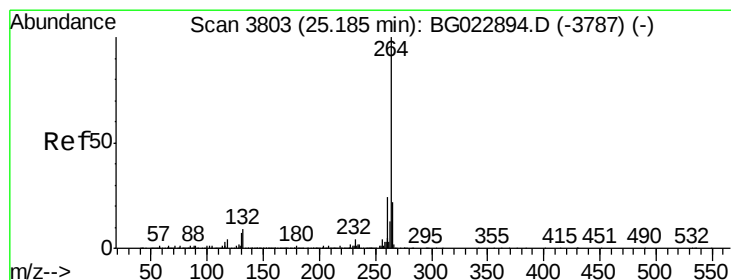
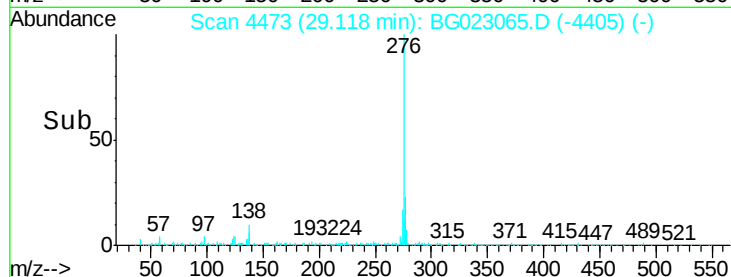
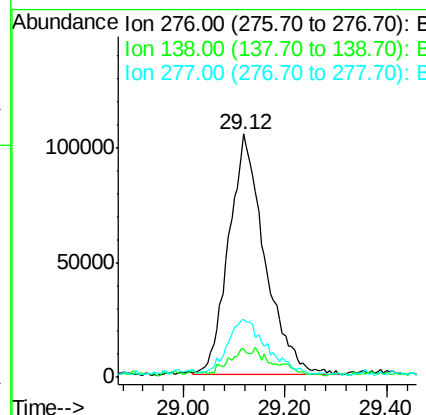
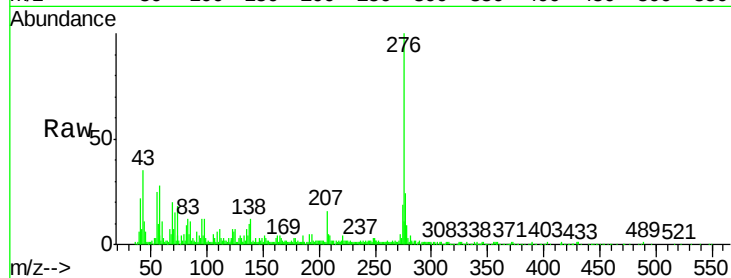
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.48 ng
RT: 29.12 min Scan# 4473
Delta R.T. 0.10 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampled :
SB-4(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.8	0.0	0.0#
277	21.5	0.0	0.0#

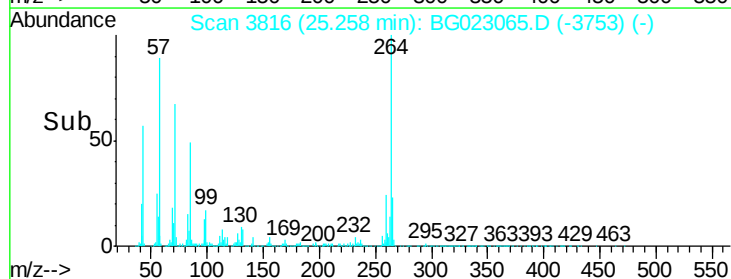
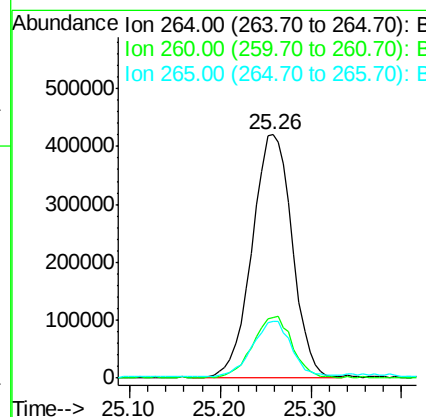
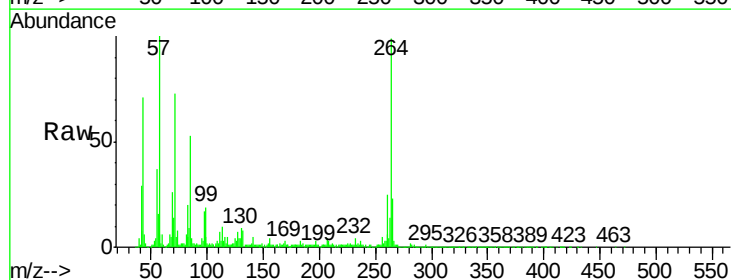
Manual Integrations

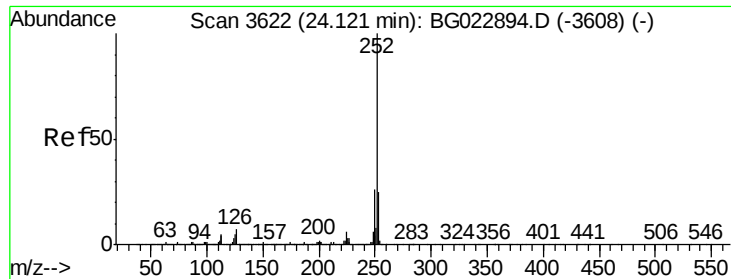
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#86
Perylene-d12
Concen: 20.00 ng
RT: 25.26 min Scan# 3816
Delta R.T. 0.07 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.4	27.6
265	23.4	18.9	28.3





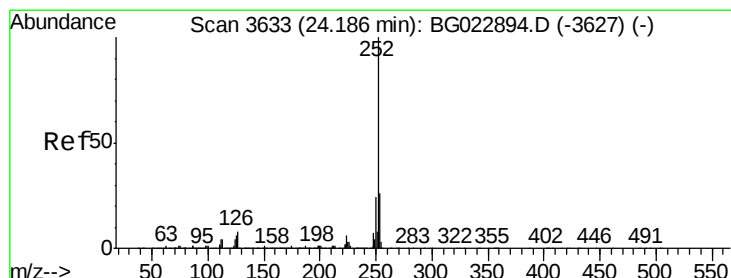
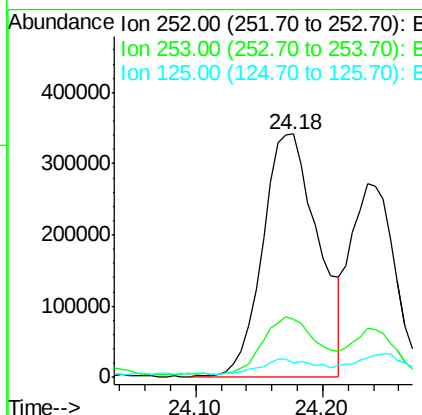
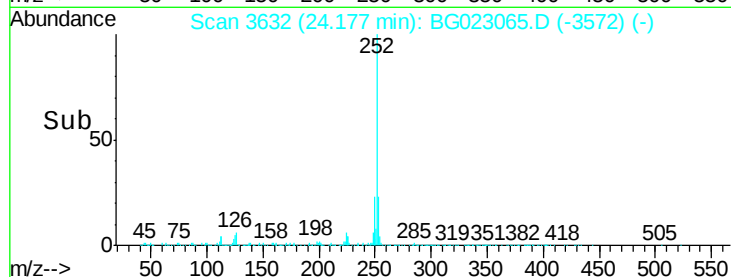
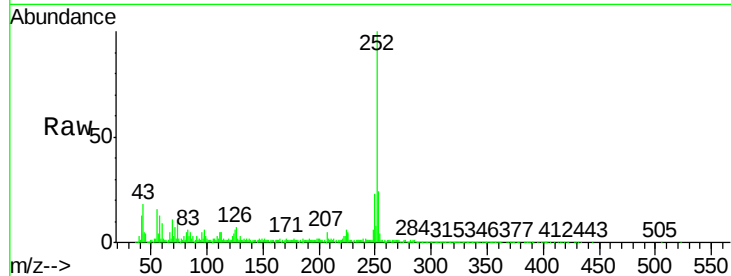
#87
Benzo(b)fluoranthene
Concen: 13.98 ng
RT: 24.18 min Scan# 3632
Delta R.T. 0.06 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Instrument :
BNA_G
ClientSampleId :
SB-4(4-5)

Tot Ion:252 Resp: 1040476
Ion Ratio Lower Upper
252 100
253 23.9 18.9 28.3
125 6.1 3.9 5.9#

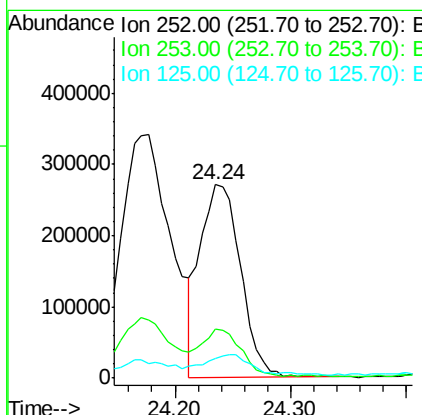
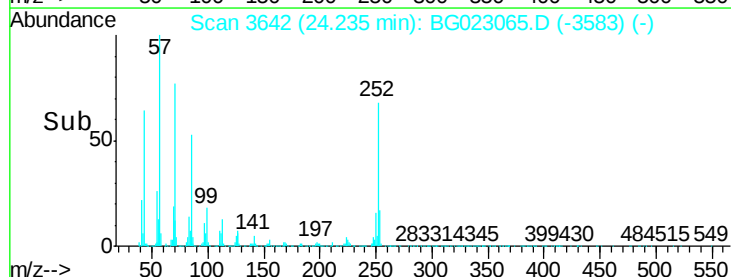
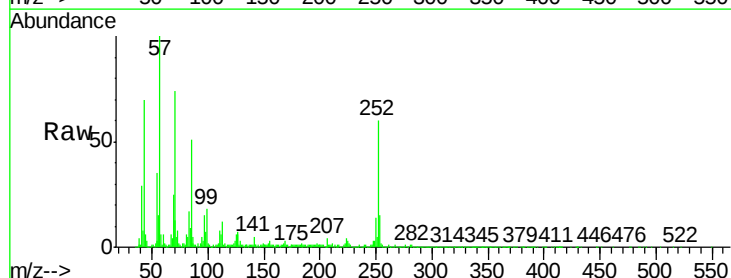
Manual Integrations

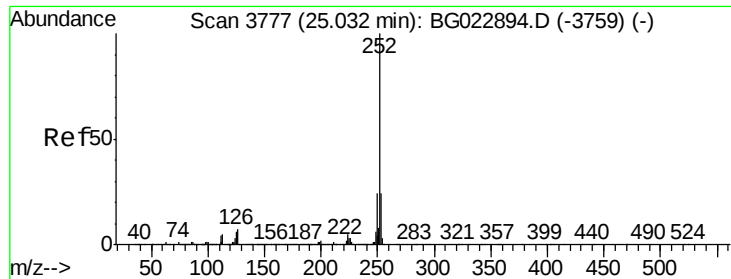
umangi
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#88
Benzo(k)fluoranthene
Concen: 9.27 ng
RT: 24.24 min Scan# 3642
Delta R.T. 0.05 min
Lab File: BG023065.D
Acq: 13 Jul 2016 10:48

Tgt Ion:252 Resp: 654707
Ion Ratio Lower Upper
252 100
253 25.0 18.8 28.2
125 10.0 3.2 4.8#





#89

Benzo(a)pyrene

Concen: 9.87 ng

RT: 25.09 min Scan# 3788

Delta R.T. 0.06 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Instrument :

BNA_G

ClientSampleId :

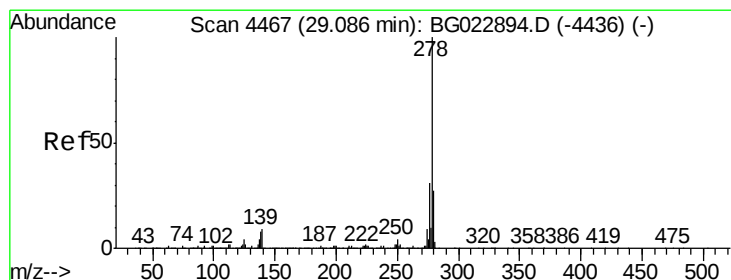
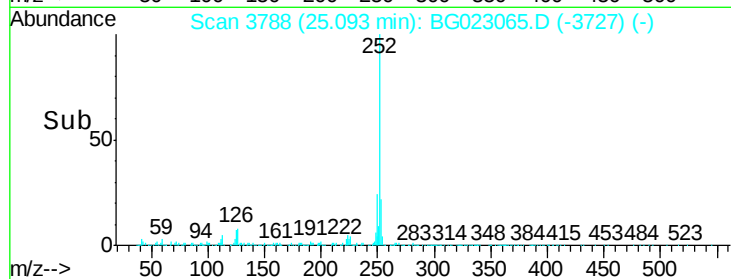
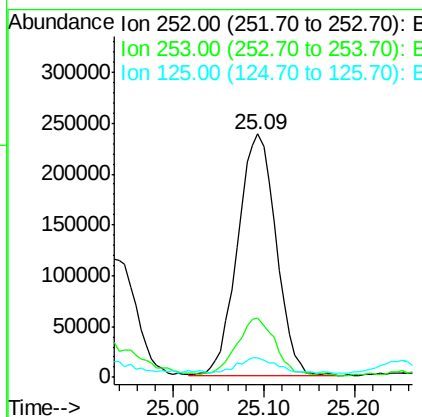
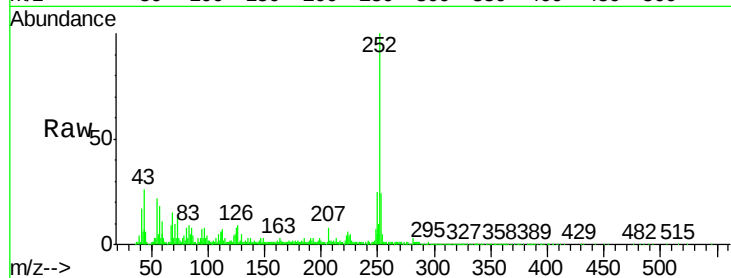
SB-4(4-5)

Tot Ion:	252	Resp:	703708
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.7	28.1
125	8.2	3.9	5.9#

Manual Integrations

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#90

Dibenzo(a,h)anthracene

Concen: 3.41 ng

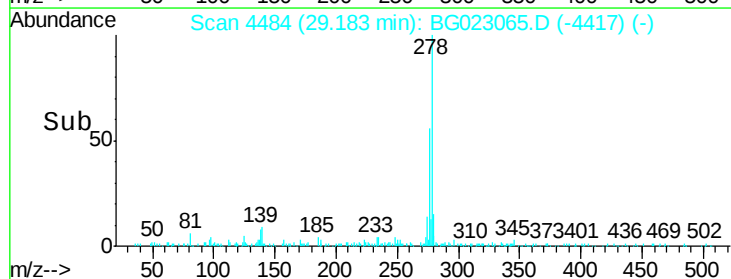
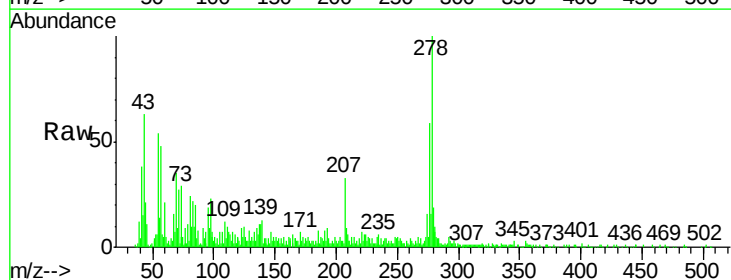
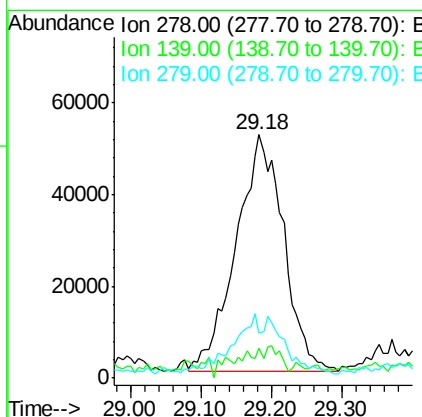
RT: 29.18 min Scan# 4484

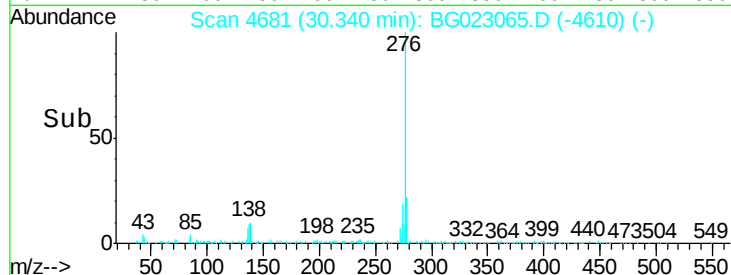
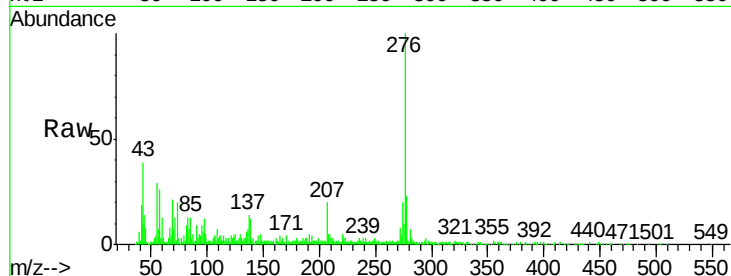
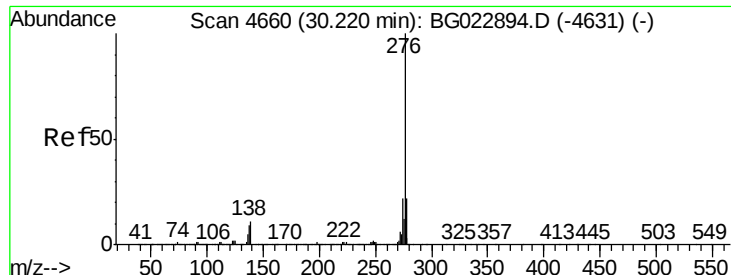
Delta R.T. 0.10 min

Lab File: BG023065.D

Acq: 13 Jul 2016 10:48

Tgt Ion:	278	Resp:	241184
Ion Ratio	Lower	Upper	
278	100		
139	12.5	4.7	7.1#
279	18.8	18.3	27.5





#91
 Benzo(a,h,i)perylene
 Concen: 5.99 ng
 RT: 30.34 min Scan# 4681
 Delta R.T. 0.12 min
 Lab File: BG023065.D
 Acq: 13 Jul 2016 10:48

Instrument :
 BNA_G
 ClientSampleId :
 SB-4(4-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.6	27.8
138	11.6	6.8	10.2

Manual Integrations

umangi
 7/13/2016 6:28:48 PM

