

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029294.D
 Acq On : 17 Oct 2017 6:02
 Operator : SJ/JU
 Sample : I5906-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-05

Manual Integrations
 APPROVED

Sohil
 10/17/2017 5:04:19 PM

Quant Time: Oct 17 08:26:16 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 17:32:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	69321	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	328404	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	206539	20.00	ng	0.00
63) Phenanthrene-d10	17.53	188	461946	20.00	ng	0.00
75) Chrysene-d12	21.80	240	504643	20.00	ng	0.00
86) Perylene-d12	25.11	264	510506	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	562573	135.57	ng	0.00
7) Phenol-d6	7.34	99	696262	119.54	ng	0.01
23) Nitrobenzene-d5	9.34	82	487923	94.41	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	374084	140.28	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1209164	85.86	ng	0.00
78) Terphenyl-d14	20.12	244	1827484	82.38	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.37	94	491878	78.331	ng	93
17) 2-Methylphenol	8.62	107	198033	47.474	ng	97
20) 3+4-Methylphenols	8.96	107	743580	126.510	ng	89
27) 2,4-Dimethylphenol	10.17	122	404729	80.550	ng	92
31) Naphthalene	11.06	128	5267361	321.828	ng	# 81
32) Benzoic acid	10.33	122	41766m	9.927	ng	
37) 2-Methylnaphthalene	12.63	142	596046	49.968	ng	92
45) 1,1'-Biphenyl	13.63	154	135802	7.650	ng	92
48) Acenaphthylene	14.51	152	311923	15.392	ng	98
51) Acenaphthene	14.85	154	303730	23.035	ng	98
54) Dibenzofuran	15.18	168	546241	29.019	ng	99
57) Fluorene	15.83	166	338113	21.744	ng	98
70) Phenanthrene	17.57	178	704784	29.533	ng	99
71) Anthracene	17.66	178	77581	3.238	ng	97
72) Carbazole	17.93	167	858833	37.310	ng	98
74) Fluoranthene	19.57	202	132166	4.735	ng	98
77) Pyrene	19.92	202	85776	2.802	ng	97

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

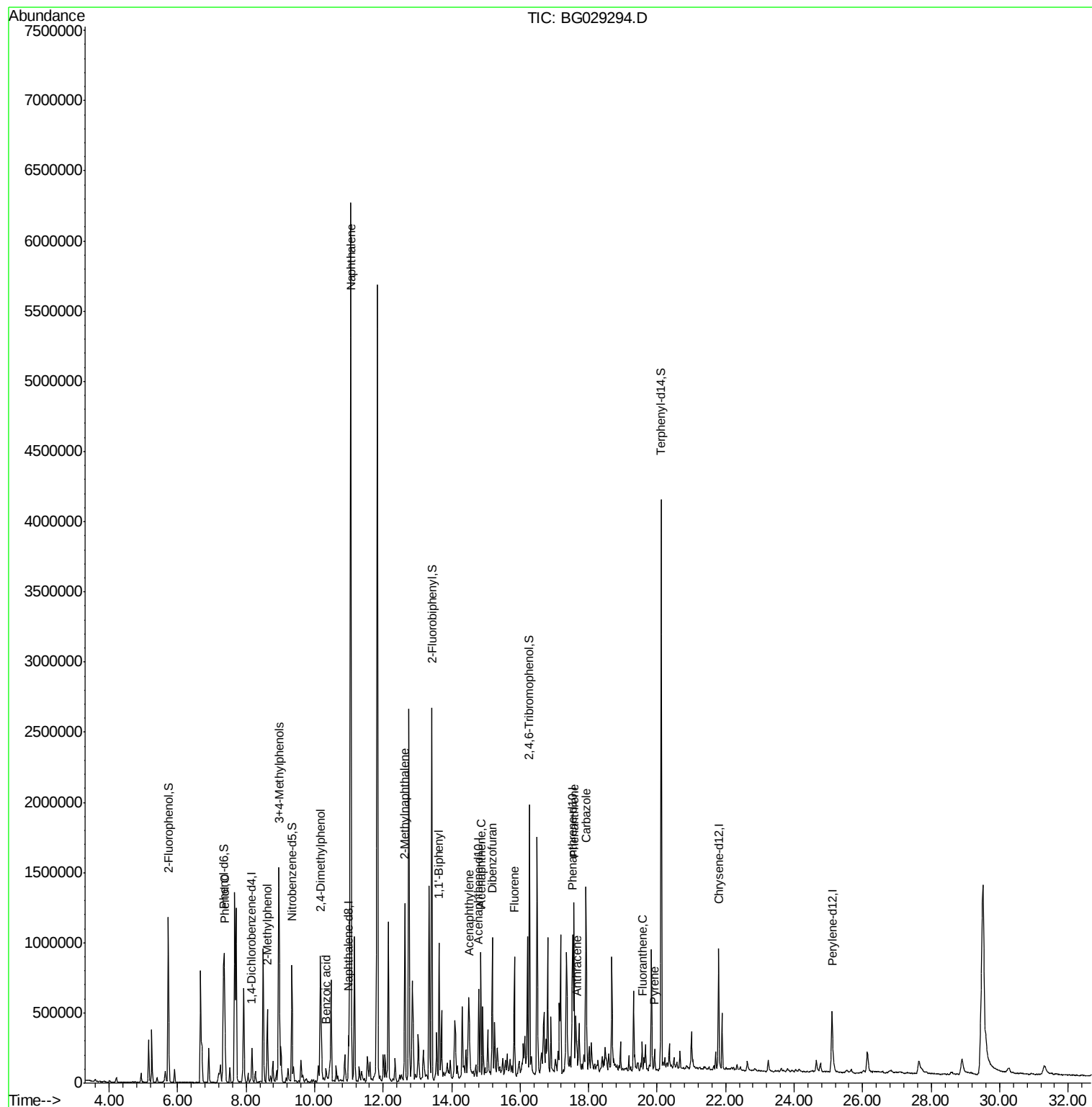
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
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ALS Vial : 14 Sample Multiplier: 1

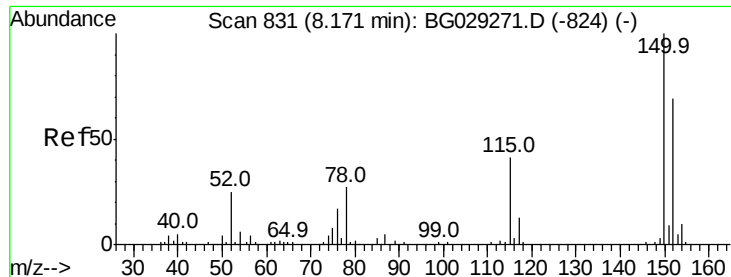
Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
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#1

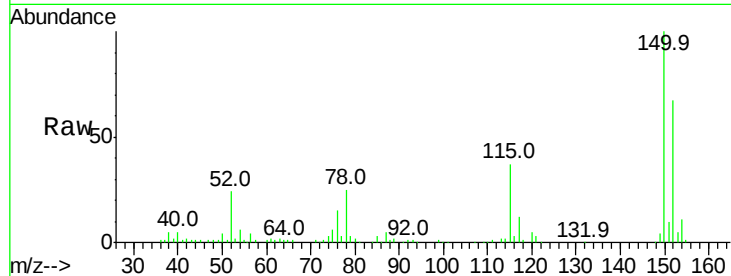
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	126.6	189.8
115	54.9	53.0	79.4

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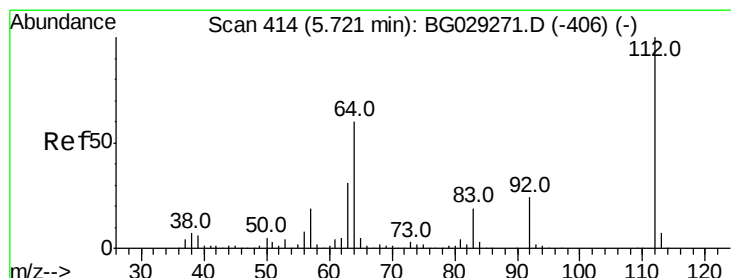
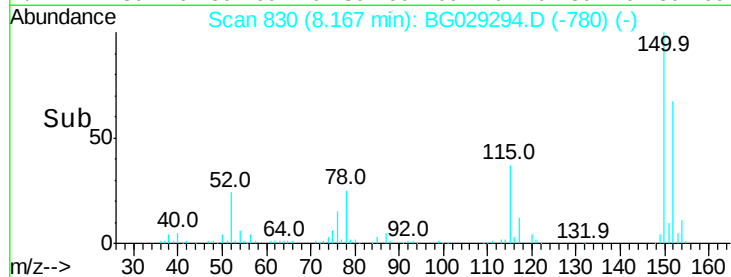
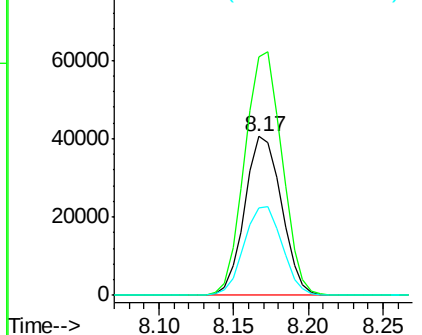


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

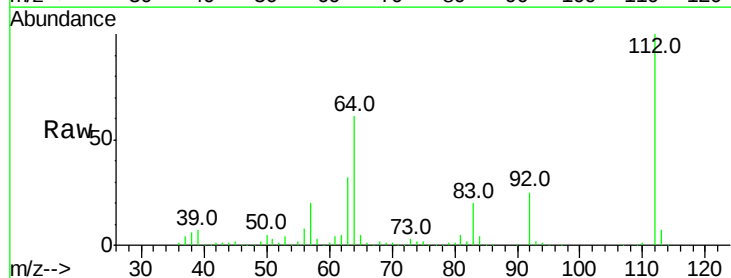
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.573 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	56.3	84.5
63	32.0	30.1	45.1

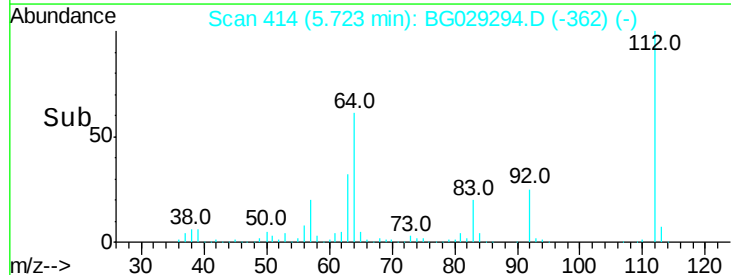
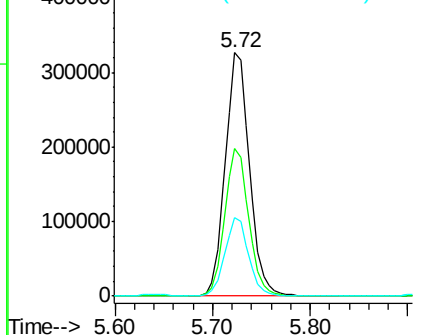


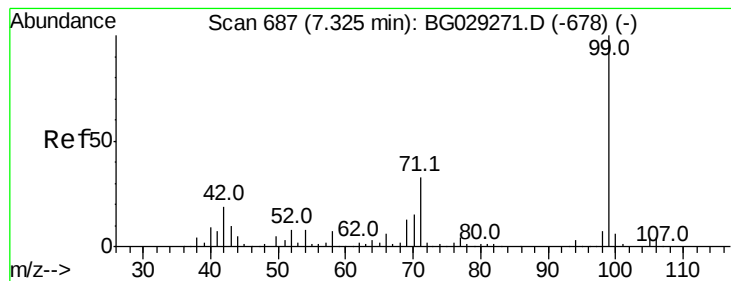
Abundance

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: 119.538 ng

RT: 7.34 min Scan# 689

Delta R.T. 0.01 min

Lab File: BG029294.D

Acq: 17 Oct 2017 6:02

Instrument :

BNA_G

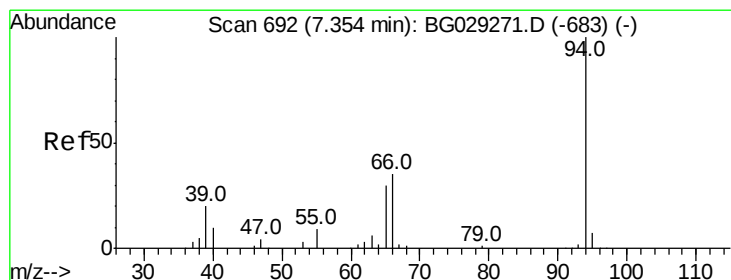
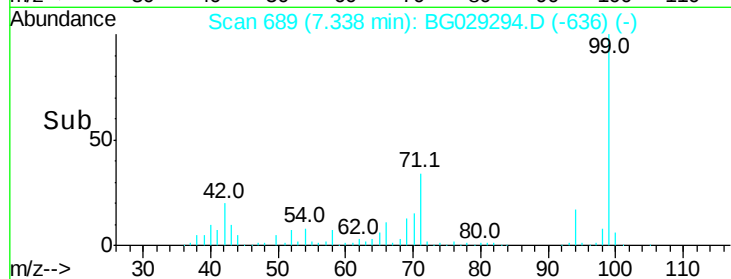
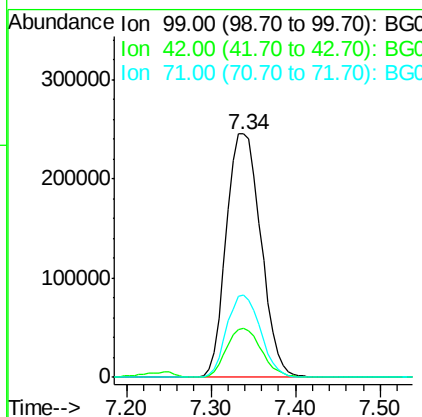
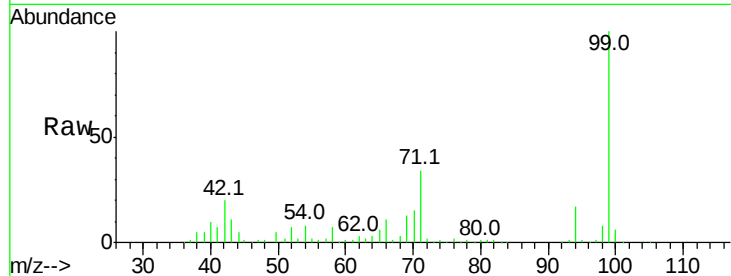
ClientSampleId :

WH-TWS-05

Tot Ion:	99	Resp:	696262
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.1	21.1
71	33.8	26.1	39.1

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#10

Phenol

Concen: 78.331 ng

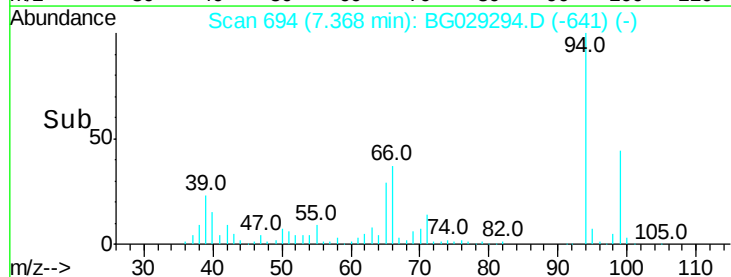
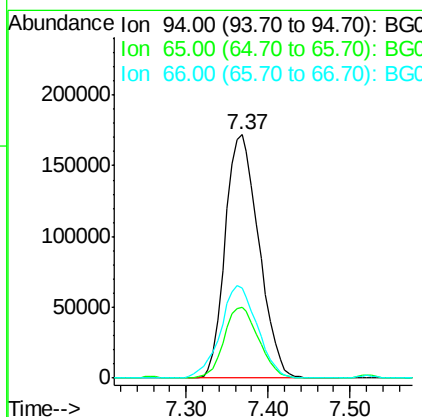
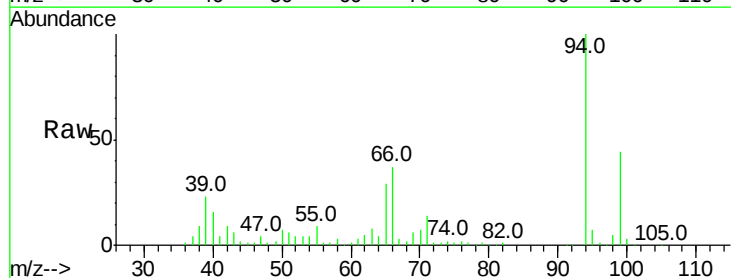
RT: 7.37 min Scan# 694

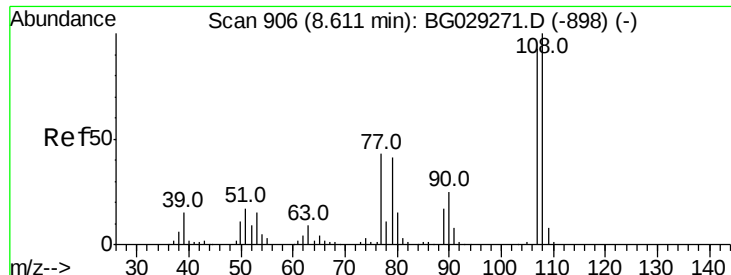
Delta R.T. 0.01 min

Lab File: BG029294.D

Acq: 17 Oct 2017 6:02

Tgt Ion:	94	Resp:	491878
Ion Ratio	Lower	Upper	
94	100		
65	28.9	11.9	51.9
66	37.0	22.2	62.2





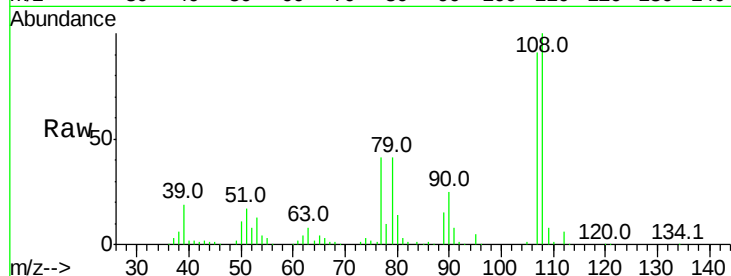
#17
2-Methylphenol
Concen: 47.474 ng
RT: 8.62 min Scan# 907
Delta R.T. 0.01 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion:	107	Resp:	198033
Ion Ratio	Lower	Upper	
107	100		
108	109.6	83.9	125.9
77	45.4	37.2	55.8
79	44.4	36.2	54.2

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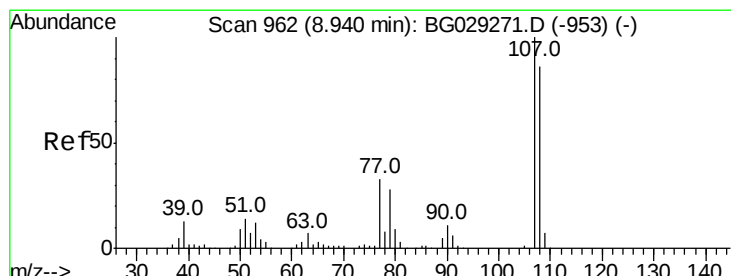
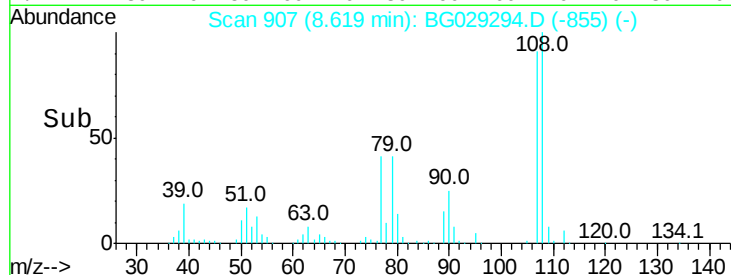
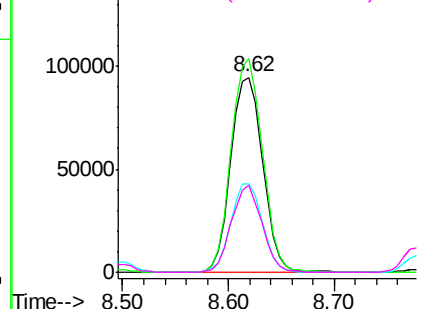
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20
3+4-Methylphenols
Concen: 126.510 ng
RT: 8.96 min Scan# 965
Delta R.T. 0.02 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion:	107	Resp:	743580
Ion Ratio	Lower	Upper	
107	100		
108	92.8	61.6	101.6
77	36.5	13.9	53.9
79	35.3	8.8	48.8

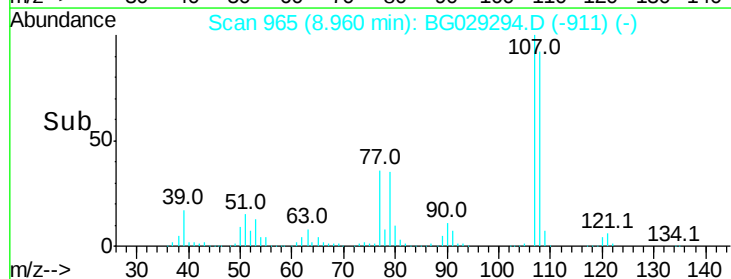
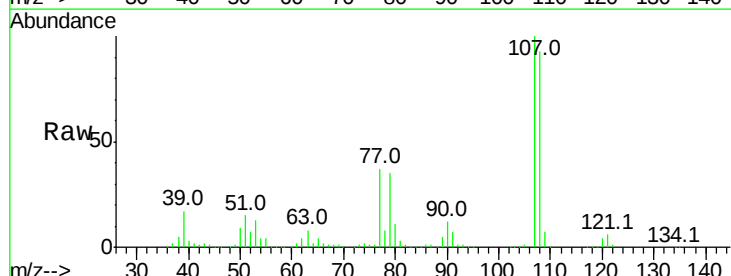
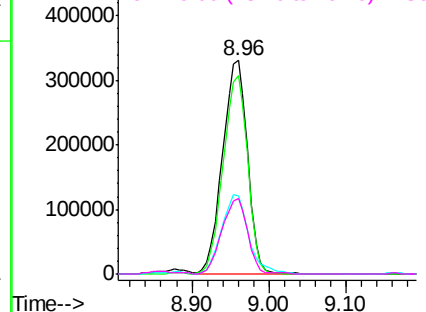
Abundance

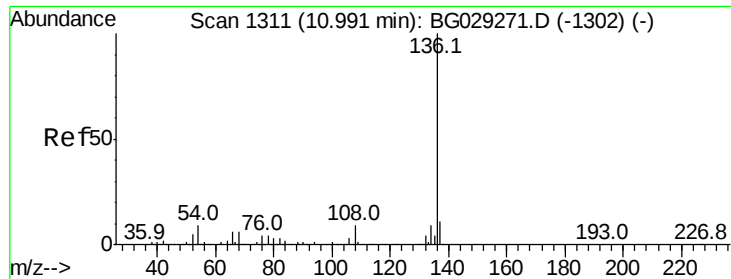
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





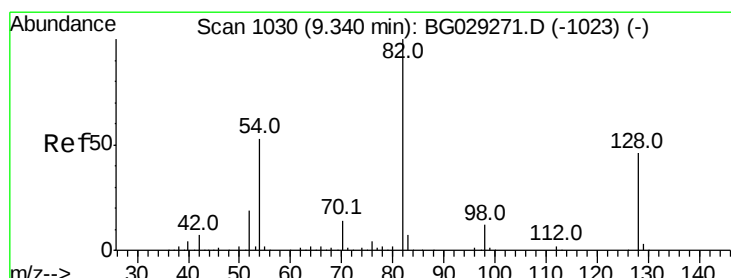
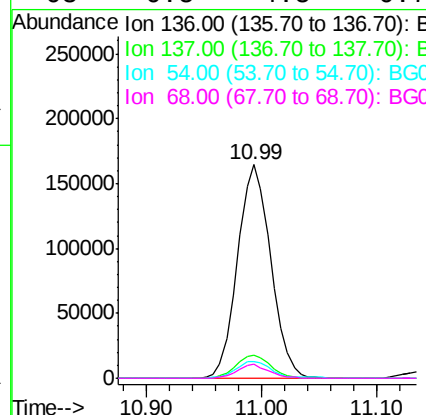
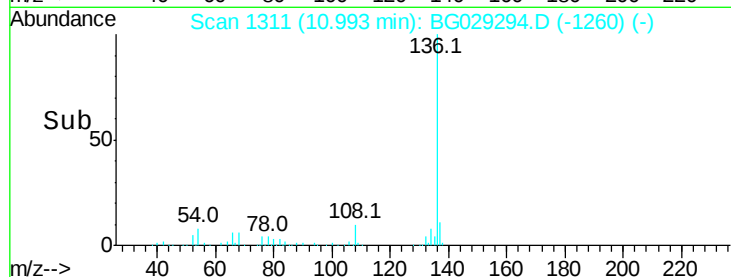
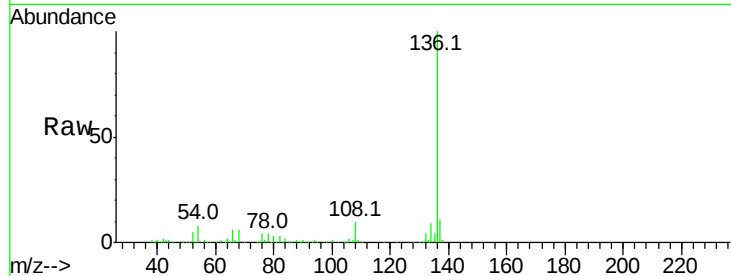
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	9.2	13.8	
54	8.0	10.3	15.5	
68	6.5	4.5	6.7	

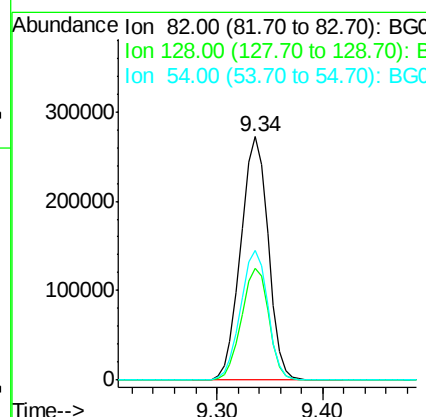
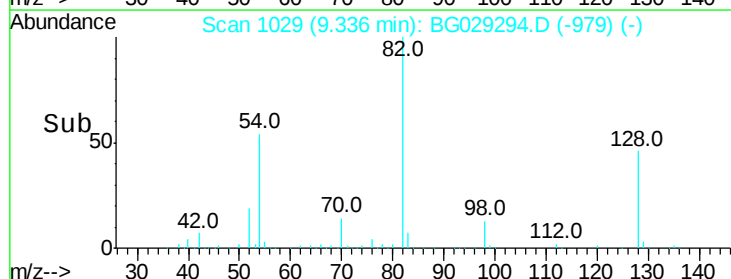
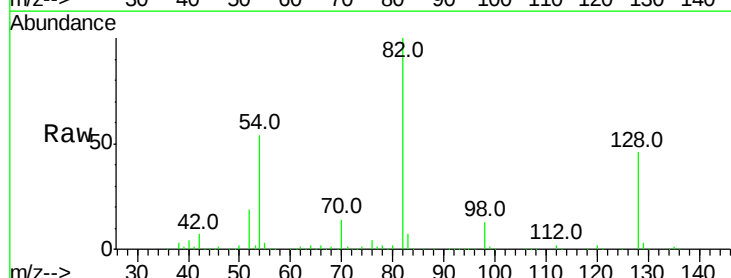
Manual Integrations
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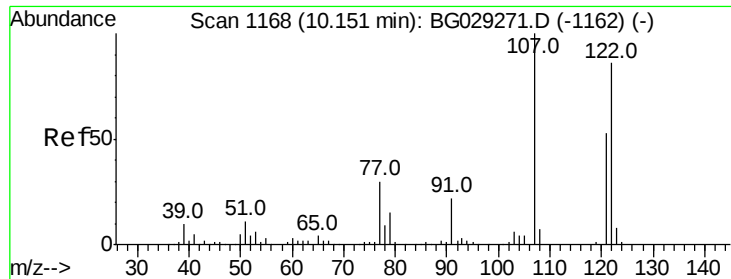
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#23
Nitrobenzene-d5
Concen: 94.415 ng
RT: 9.34 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	29.7	44.5	
54	53.5	43.1	64.7	





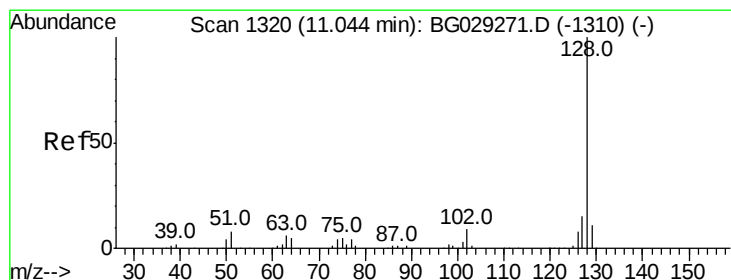
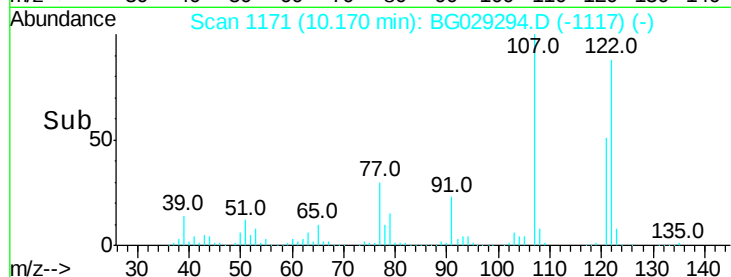
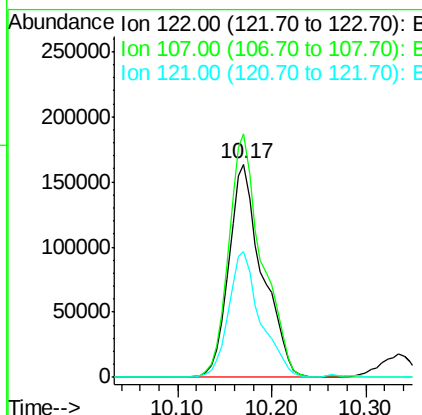
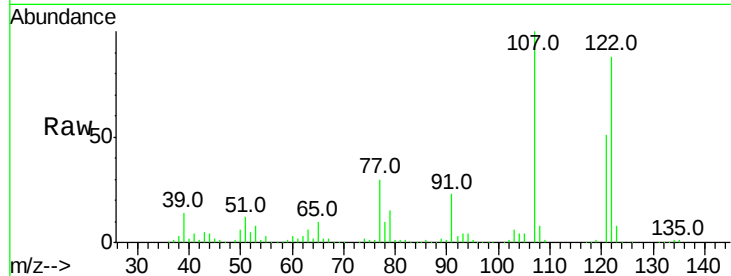
#27
2,4-Dimethylphenol
Concen: 80.550 ng
RT: 10.17 min Scan# 1171
Delta R.T. 0.02 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampled :
WH-TWS-05

Tot Ion	Ion	Ratio	Lower	Upper
122	100			
107	114.2	100.2	150.2	
121	58.7	44.4	66.6	

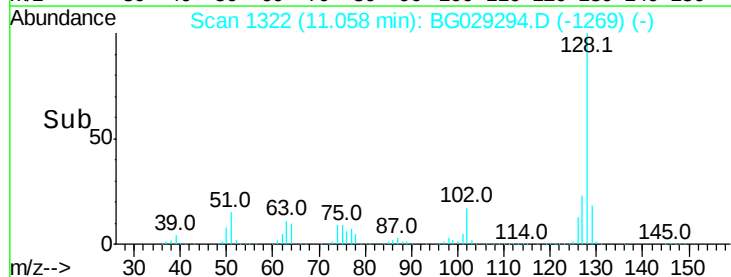
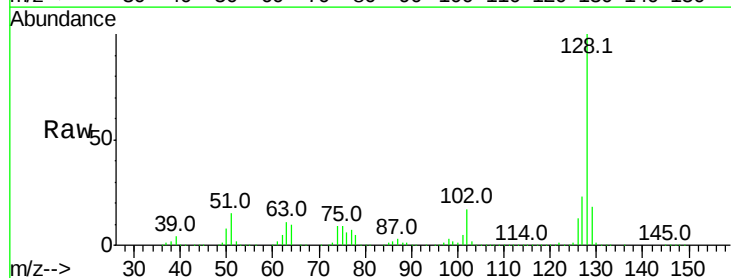
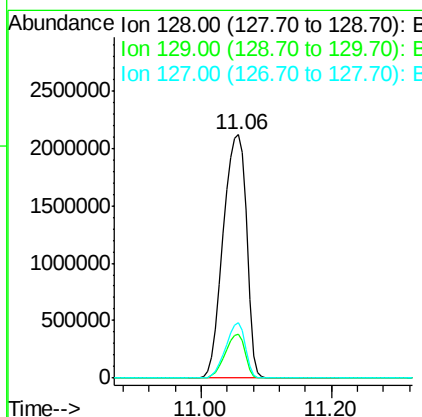
Manual Integrations
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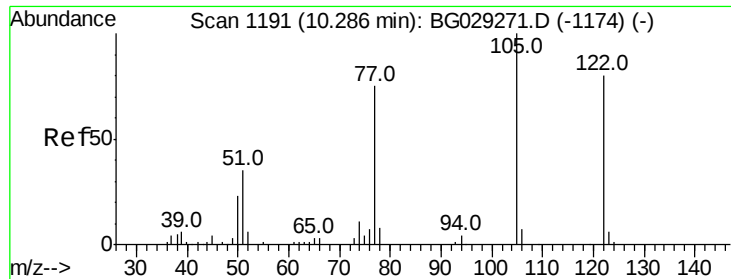
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#31
Naphthalene
Concen: 321.828 ng
RT: 11.06 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
129	18.0	8.6	12.8#	
127	22.5	11.6	17.4#	





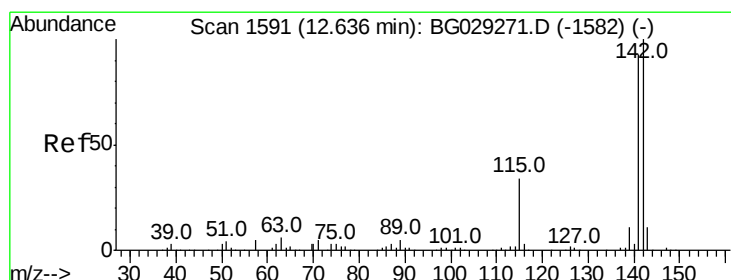
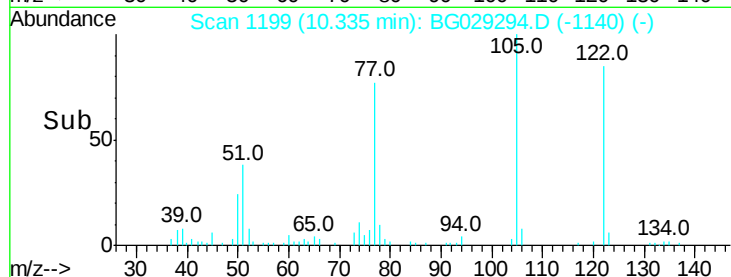
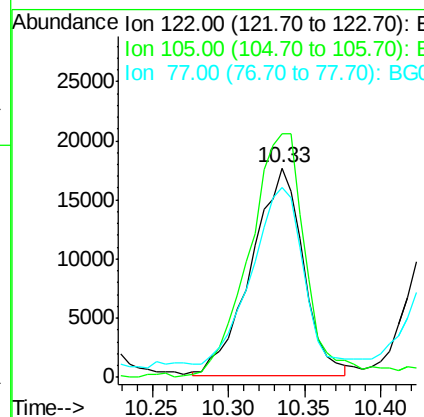
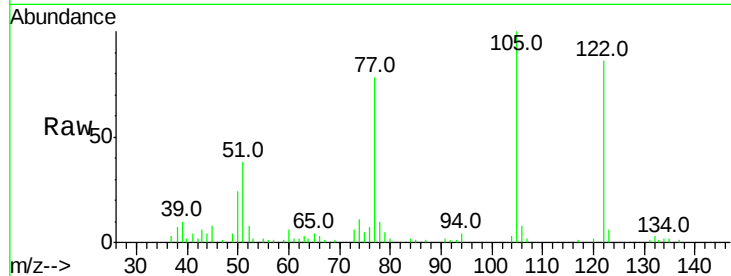
#32
Benzoic acid
Concen: 9.927 ng/ml
RT: 10.33 min Scan# 1199
Delta R.T. 0.05 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleID :
WH-TWS-05

Tot Ion	Ratio	Lower	Upper
122	100		
105	116.1	123.5	163.5#
77	90.6	85.7	125.7

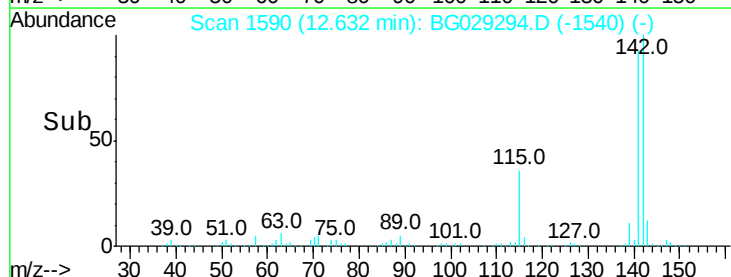
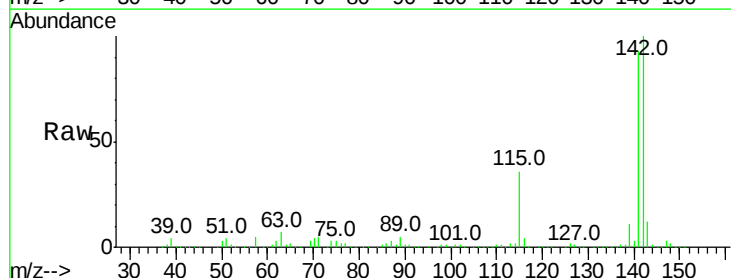
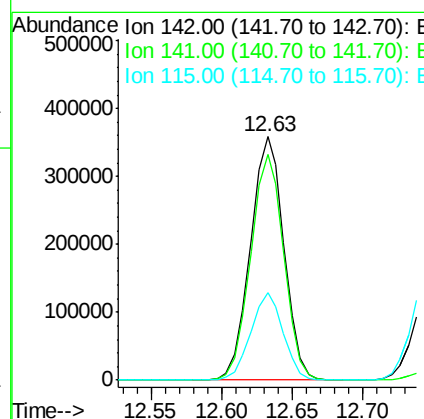
Manual Integrations
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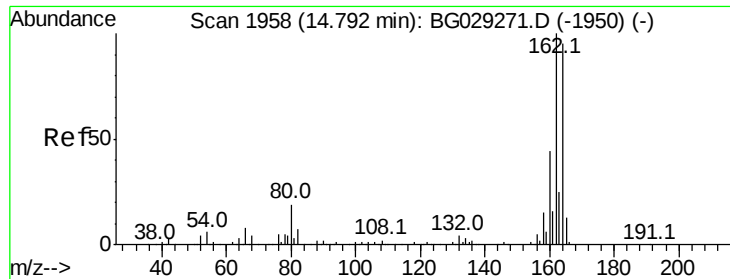
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#37
2-Methylnaphthalene
Concen: 49.968 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	67.1	100.7
115	35.7	30.7	46.1





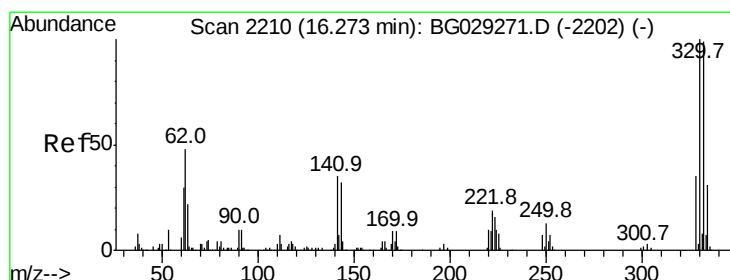
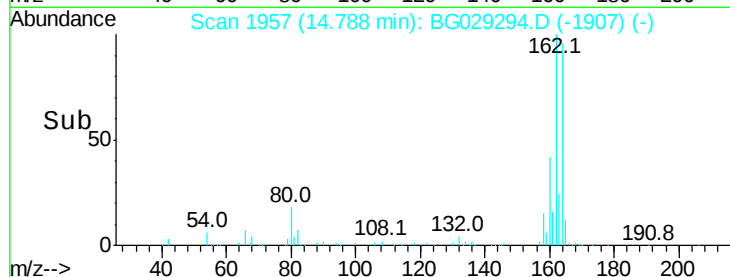
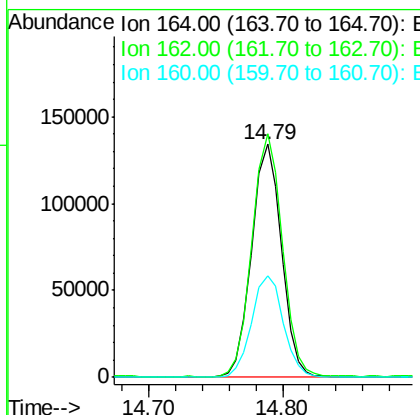
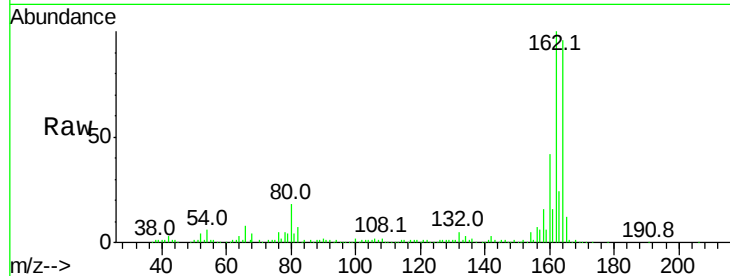
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.79 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: BG029294.D
 Acq: 17 Oct 2017 6:02

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-05

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.4	78.8	118.2
160	43.7	35.4	53.0

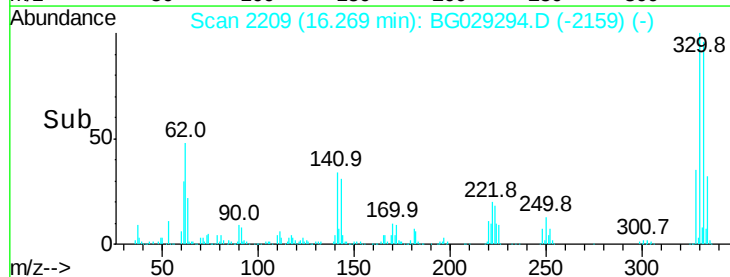
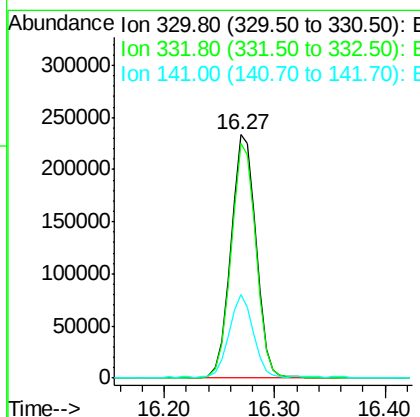
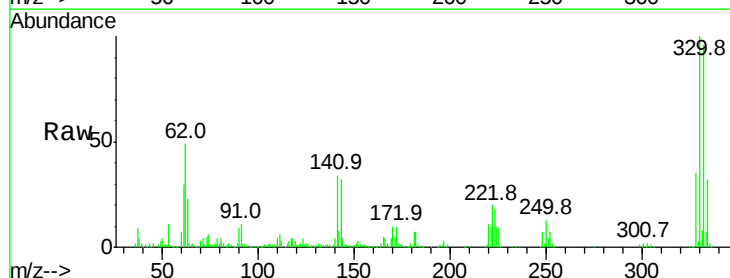
Manual Integrations
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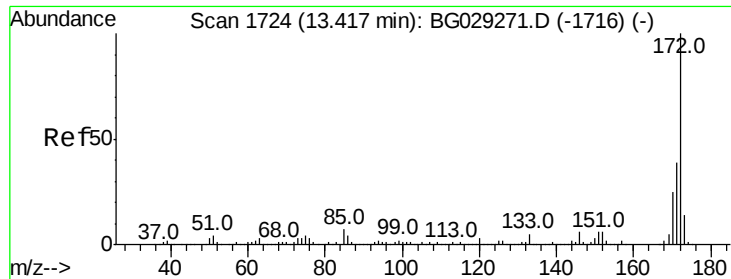
Sohil
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#41
 2,4,6-Tribromophenol
 Concen: 140.283 ng
 RT: 16.27 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BG029294.D
 Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	32.1	25.2	37.8





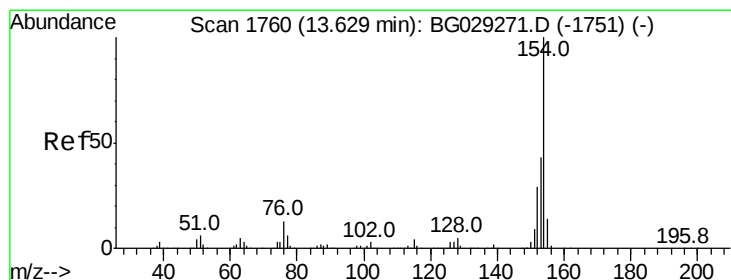
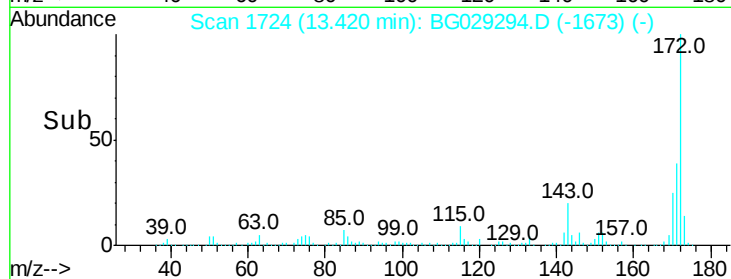
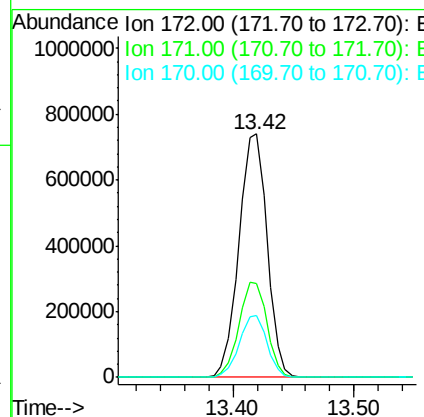
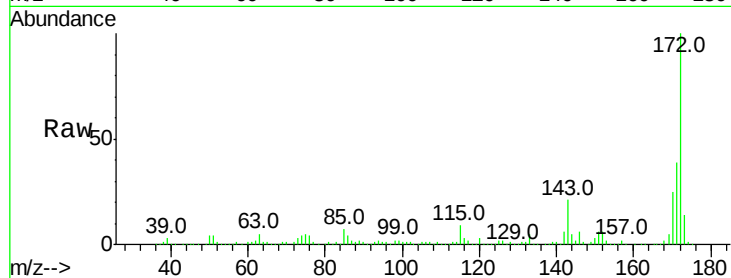
#44
 2-Fluorobiphenyl
 Concen: 85.864 ng
 RT: 13.42 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG029294.D
 Acq: 17 Oct 2017 6:02

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-05

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	25.2	19.5	29.3

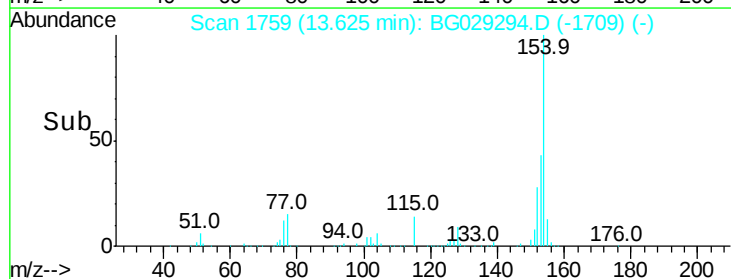
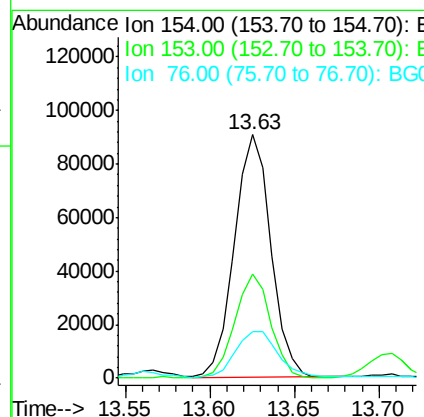
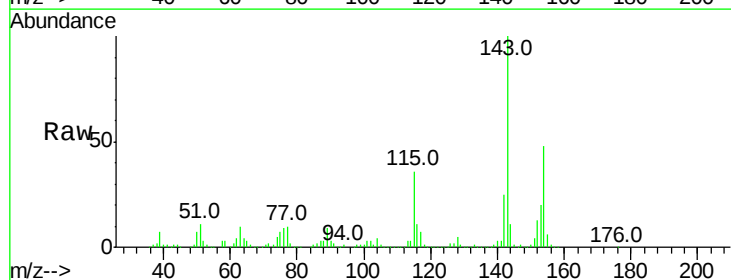
Manual Integrations
 APPROVED

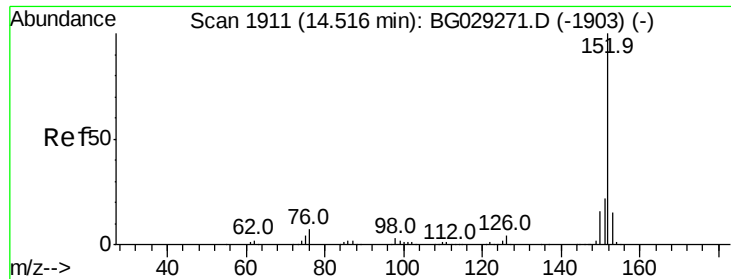
Sohil
 10/17/2017 5:04:19 PM



#45
 1,1'-Biphenyl
 Concen: 7.650 ng
 RT: 13.63 min Scan# 1759
 Delta R.T. -0.00 min
 Lab File: BG029294.D
 Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.9	19.8	59.8
76	19.3	0.0	31.9





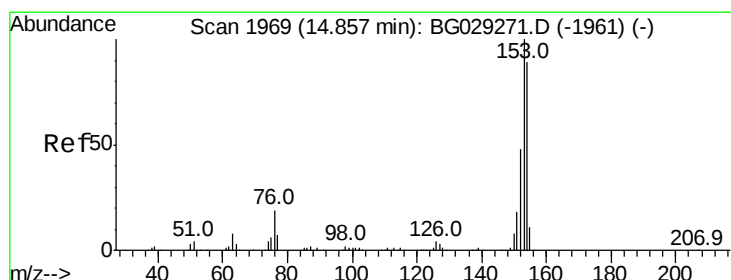
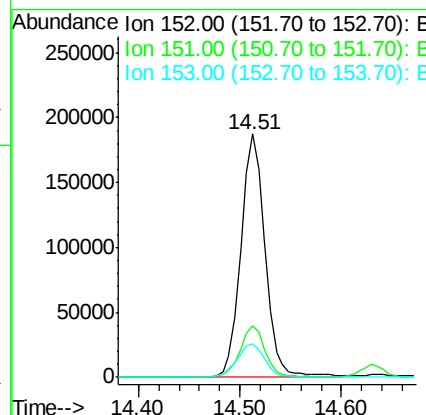
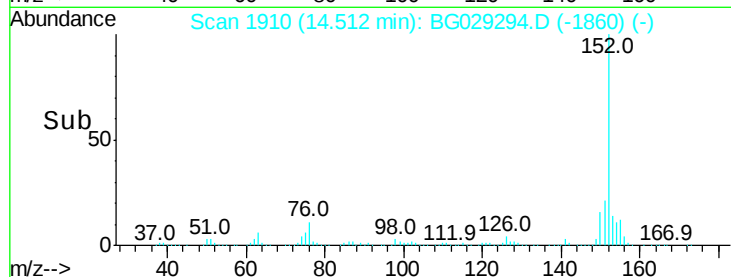
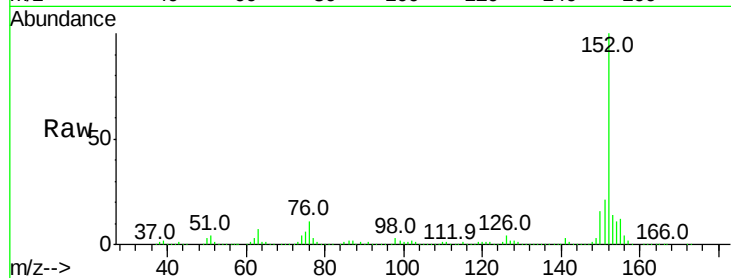
#48
Acenaphthylene
Concen: 15.392 ng
RT: 14.51 min Scan# 1910
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion	Ratio	Resp	Lower	Upper
152	100	311923		
151	21.0		17.2	25.8
153	13.7		10.2	15.4

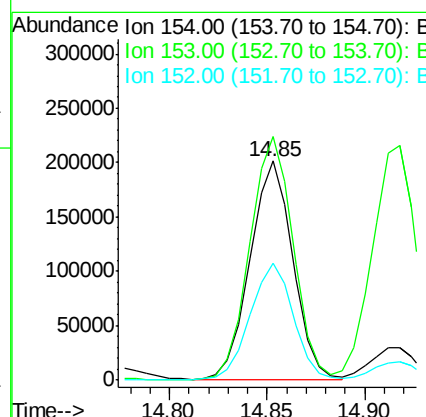
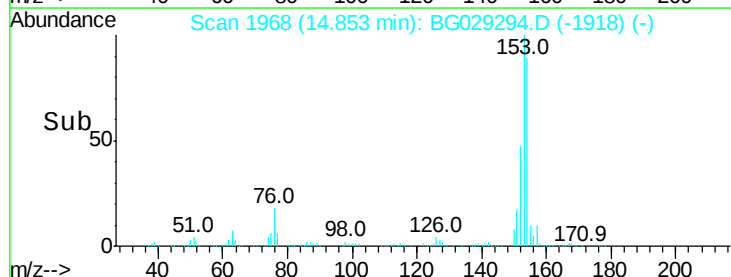
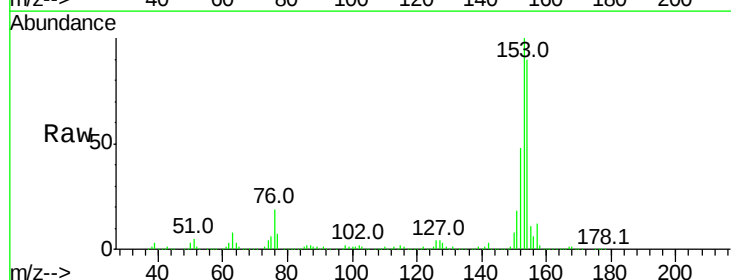
Manual Integrations
APPROVED

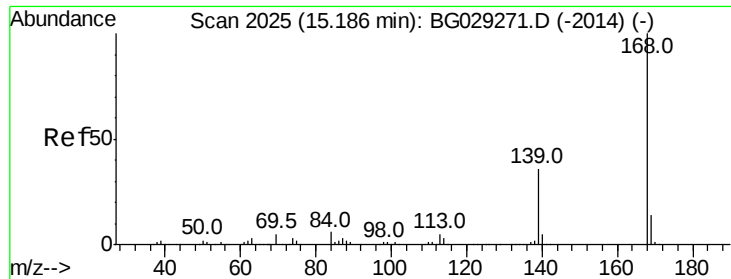
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#51
Acenaphthene
Concen: 23.035 ng
RT: 14.85 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	303730		
153	111.3		90.4	135.6
152	53.7		41.6	62.4





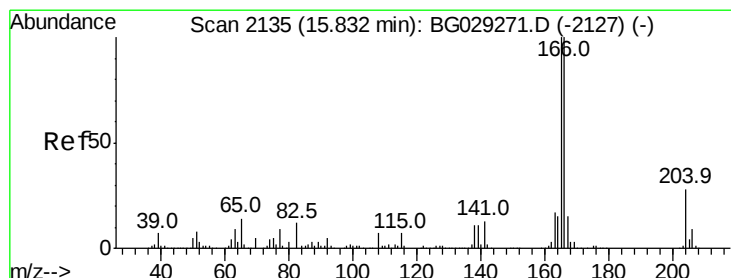
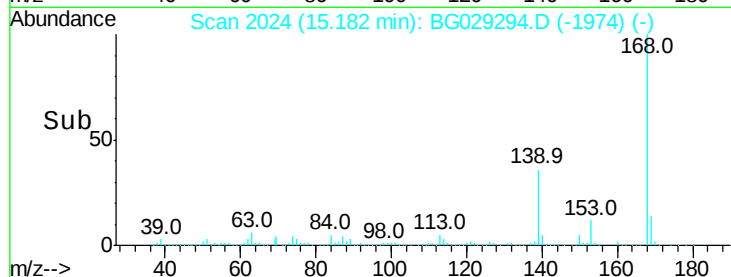
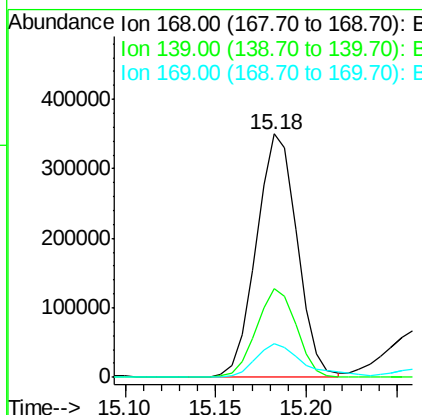
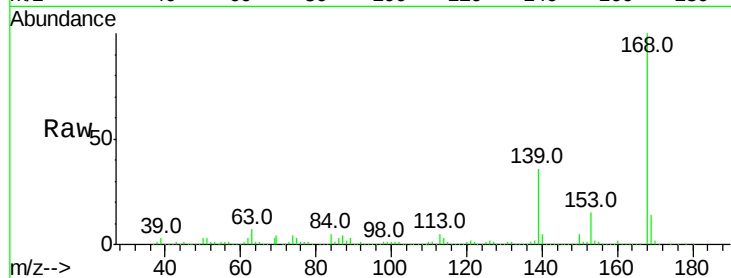
#54
Dibenzenofuran
Concen: 29.019 ng
RT: 15.18 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.4	28.6	43.0
169	14.0	11.2	16.8

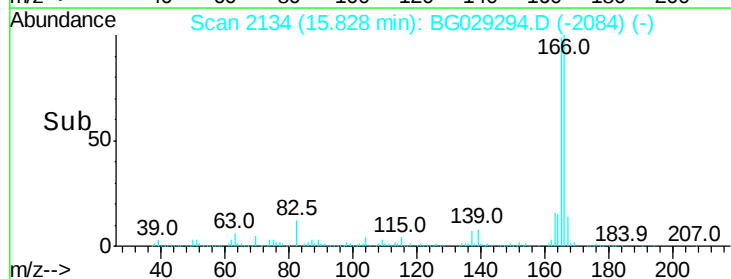
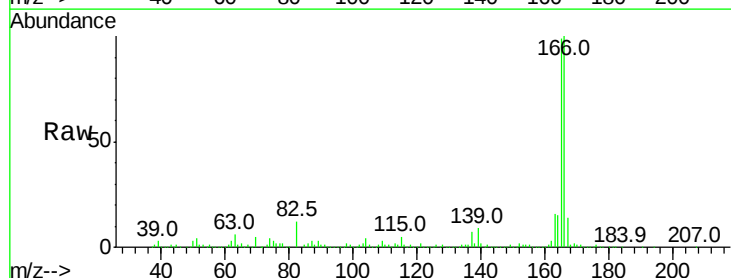
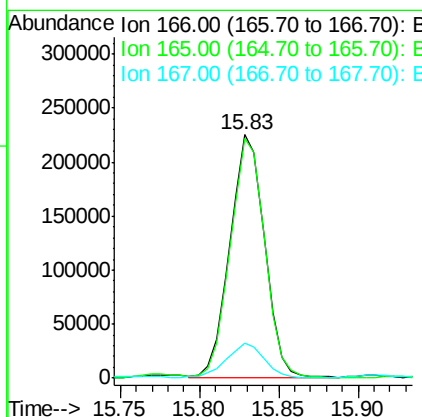
Manual Integrations
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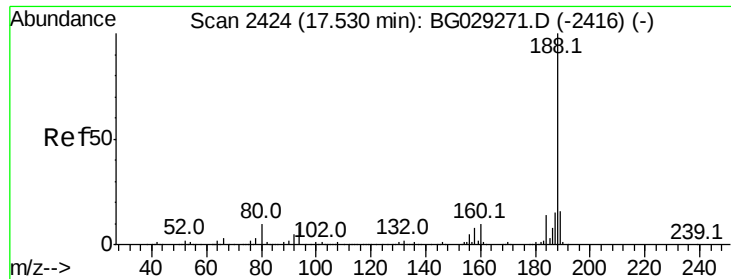
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#57
Fluorene
Concen: 21.744 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	80.6	121.0
167	14.4	10.4	15.6





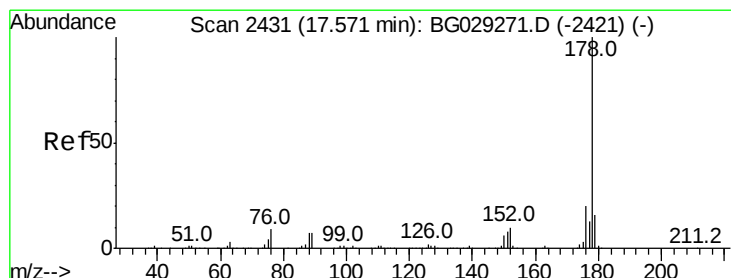
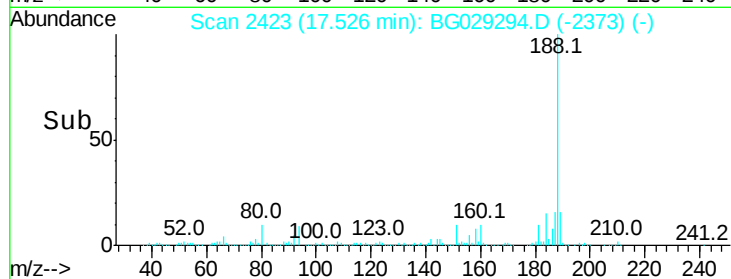
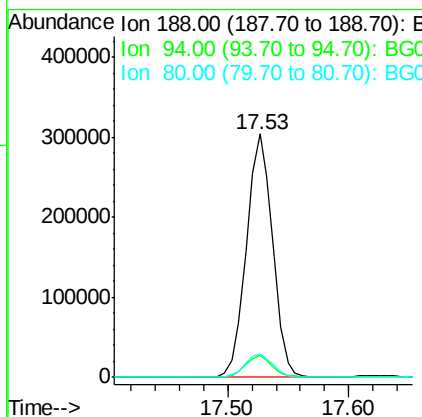
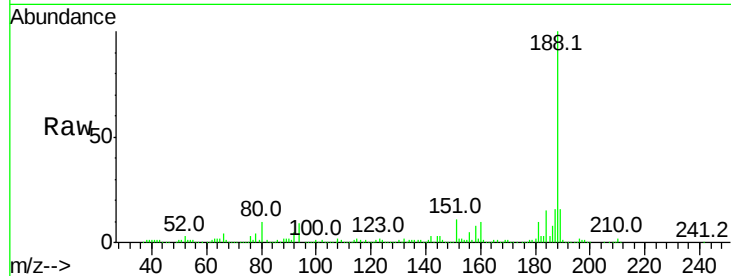
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion	Ratio	Resp	Lower	Upper
188	100	461946		
94	8.9		6.9	10.3
80	9.7		7.7	11.5

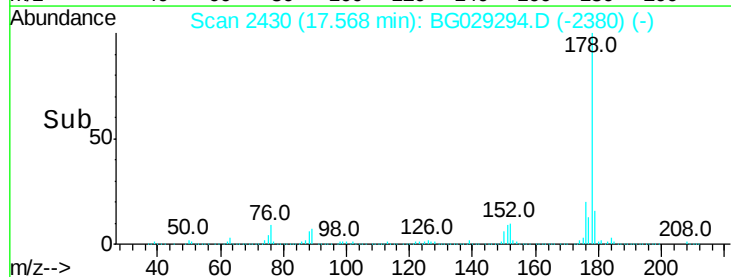
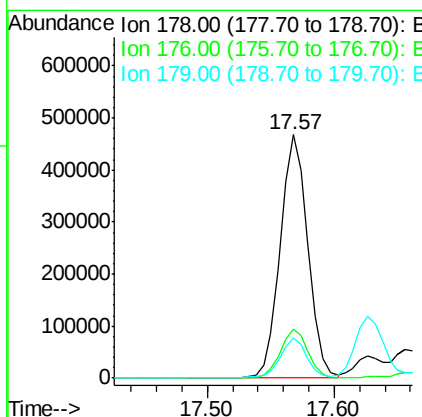
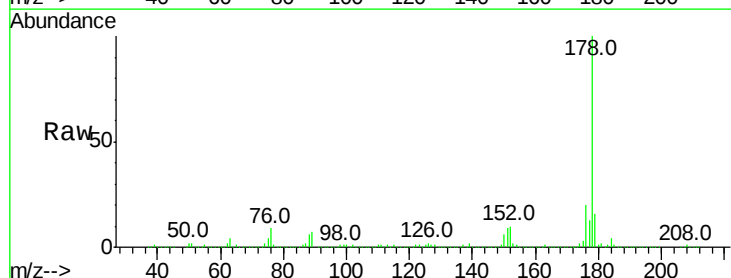
Manual Integrations
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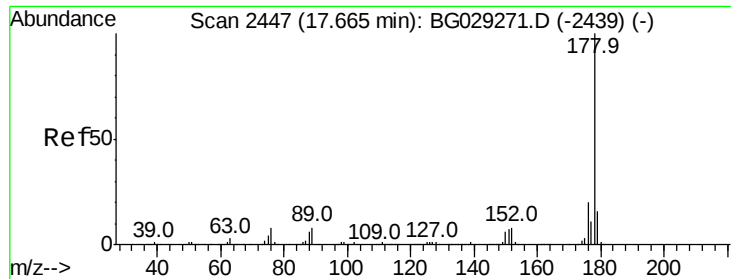
Sohil
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#70
Phenanthrene
Concen: 29.533 ng
RT: 17.57 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	704784		
176	20.0		15.7	23.5
179	16.3		12.5	18.7





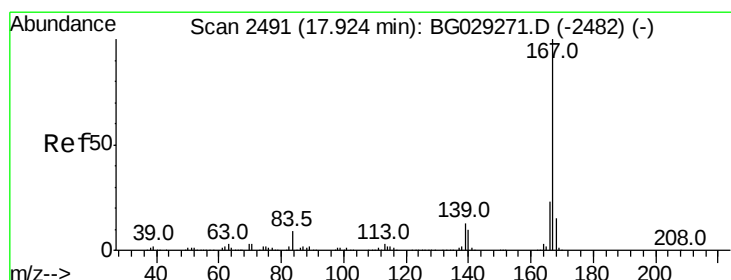
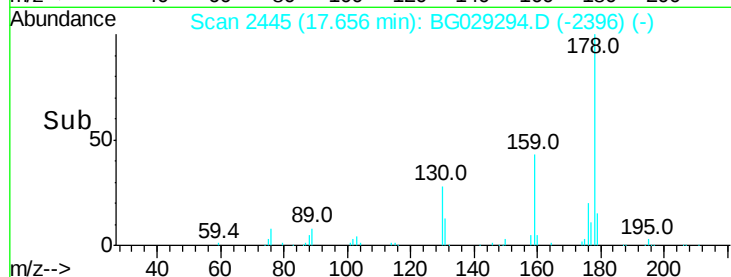
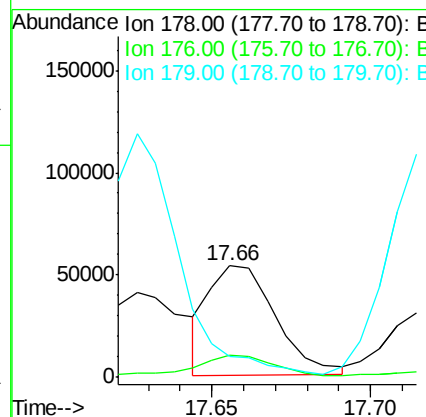
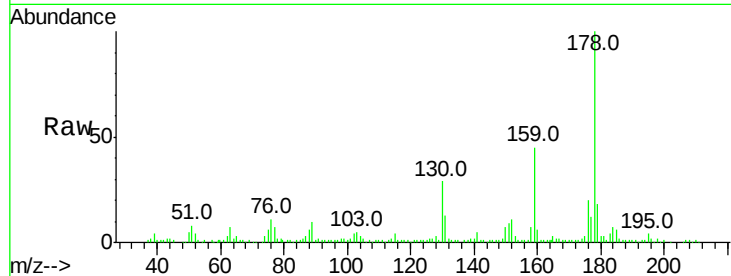
#71
 Anthracene
 Concen: 3.238 ng
 RT: 17.66 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG029294.D
 Acq: 17 Oct 2017 6:02

Instrument :
 BNA_G
 ClientSampled :
 WH-TWS-05

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	18.4	12.5	18.7

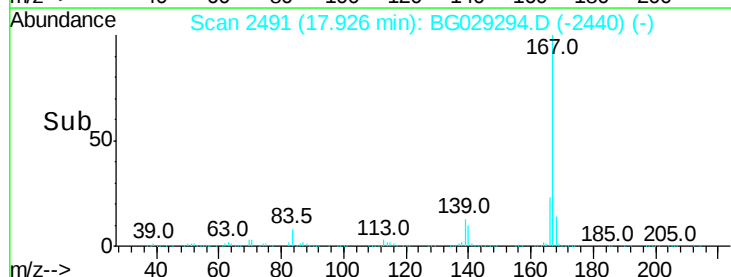
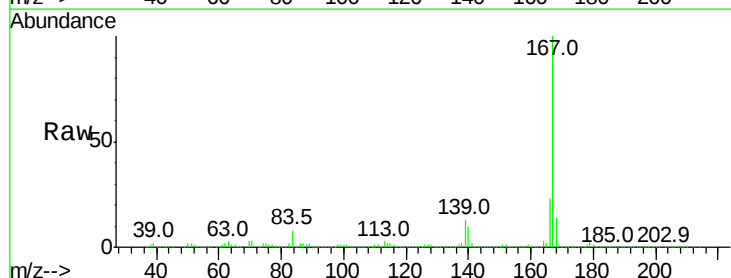
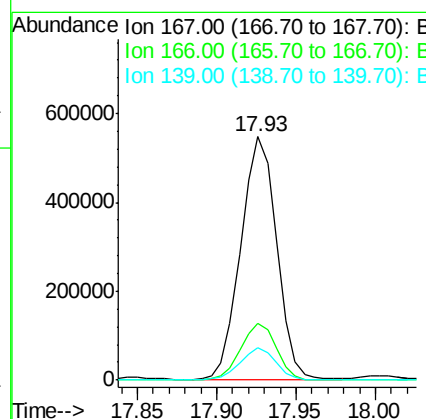
Manual Integrations
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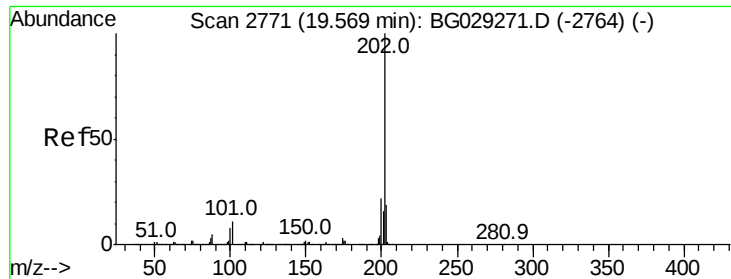
Sohil
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#72
 Carbazole
 Concen: 37.310 ng
 RT: 17.93 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: BG029294.D
 Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.2	27.4
139	13.1	9.4	14.2





#74

Fluoranthene

Concen: 4.735 ng

RT: 19.57 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BG029294.D

Acq: 17 Oct 2017 6:02

Instrument :

BNA_G

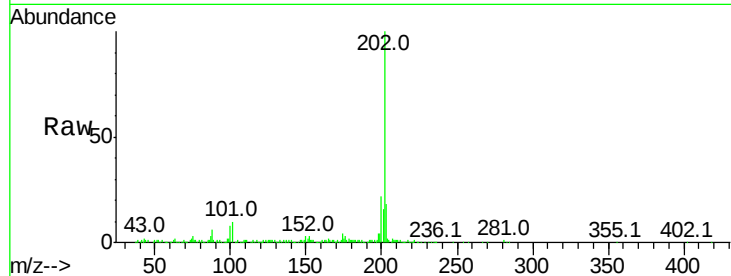
ClientSampleId :

WH-TWS-05

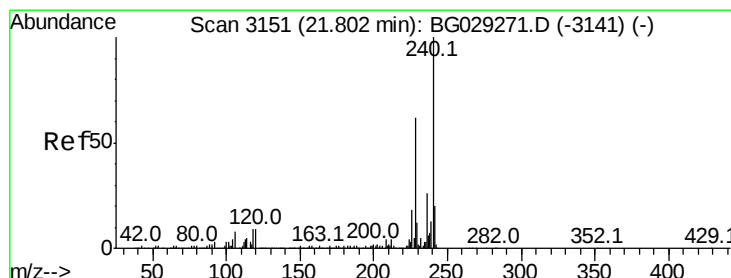
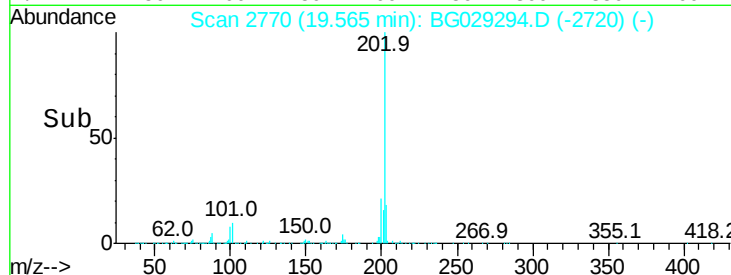
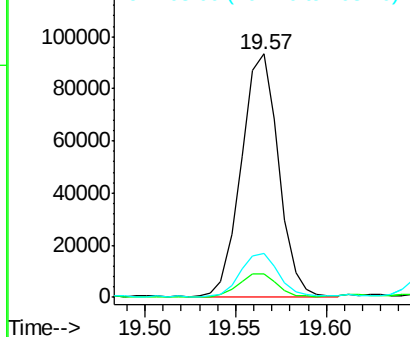
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.7	0.0	28.9
203	18.2	0.0	37.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

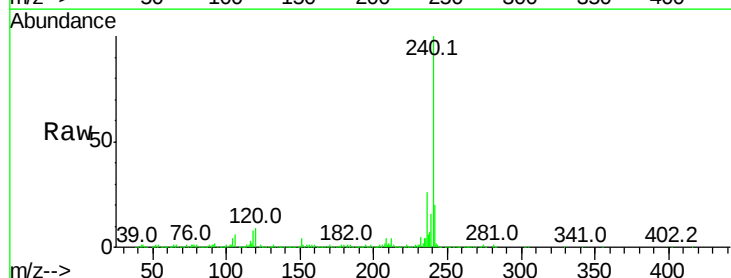
RT: 21.80 min Scan# 3150

Delta R.T. -0.00 min

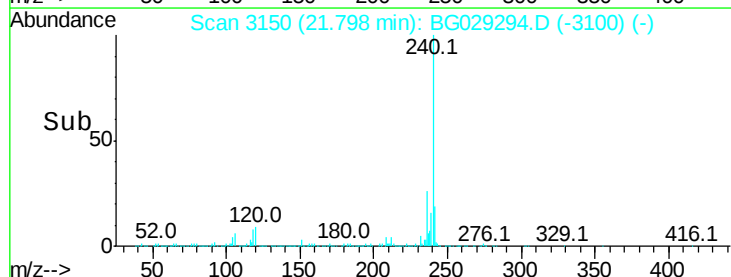
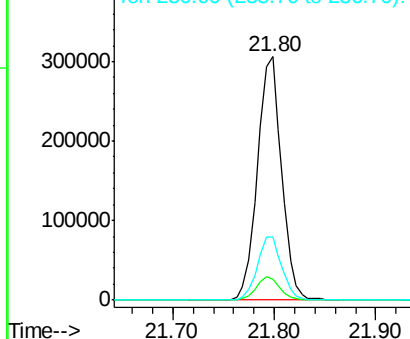
Lab File: BG029294.D

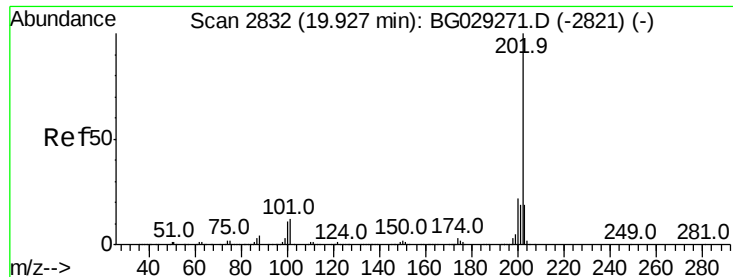
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.7	6.8	10.2
236	26.2	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





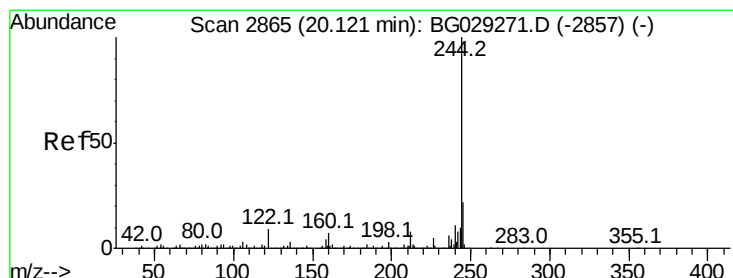
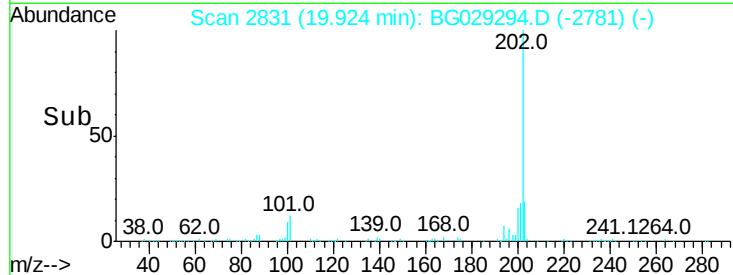
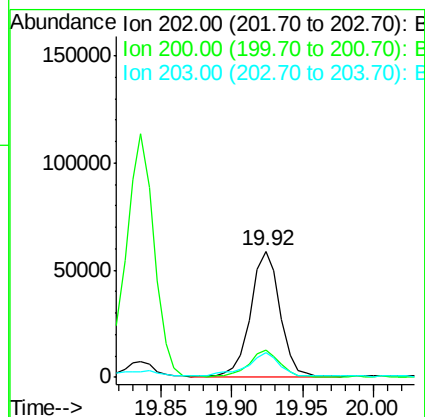
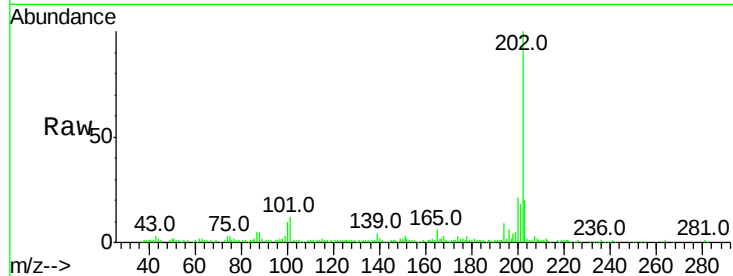
#77
Pvrene
Concen: 2.802 ng
RT: 19.92 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.9	25.3
203	19.8	13.9	20.9

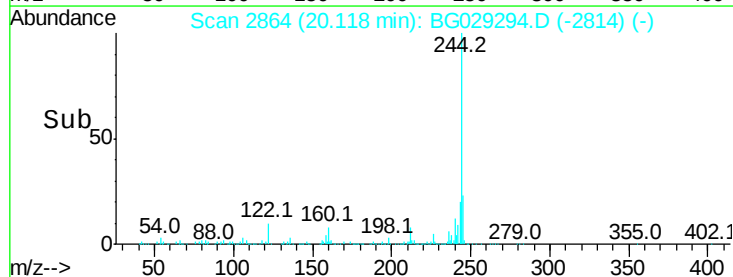
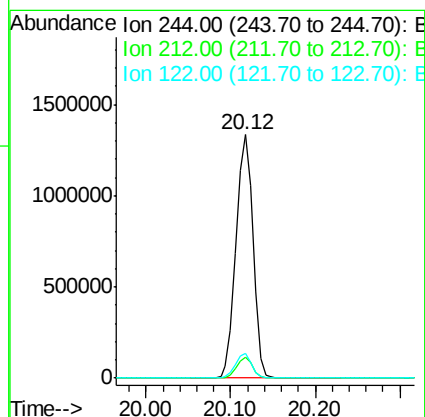
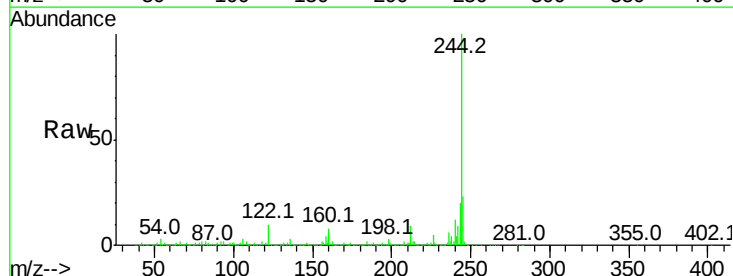
Manual Integrations
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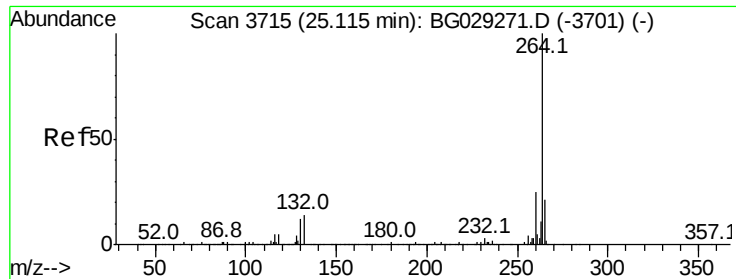
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#78
Terphenyl-d14
Concen: 82.383 ng
RT: 20.12 min Scan# 2864
Delta R.T. -0.00 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	10.0	7.0	10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3713
Delta R.T. -0.01 min
Lab File: BG029294.D
Acq: 17 Oct 2017 6:02

Instrument :
BNA_G
ClientSampleId :
WH-TWS-05

Tot Ion:	264	Resp:	510506
Ion Ratio	Lower	Upper	
264	100		
260	25.4	17.4	26.0
265	21.7	17.7	26.5

Manual Integrations
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