

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029295.D
 Acq On : 17 Oct 2017 6:41
 Operator : SJ/JU
 Sample : I5906-16
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-06

Manual Integrations
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Quant Time: Oct 17 08:29:43 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	27770	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	120559	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	70849	20.00	ng	0.00
63) Phenanthrene-d10	17.52	188	156330	20.00	ng	0.00
75) Chrysene-d12	21.80	240	165900	20.00	ng	0.00
86) Perylene-d12	25.10	264	168489	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	215569	129.68	ng	0.00
7) Phenol-d6	7.32	99	258194	110.65	ng	0.00
23) Nitrobenzene-d5	9.33	82	173920	91.67	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	123834	135.38	ng	0.00
44) 2-Fluorobiphenyl	13.41	172	435845	90.22	ng	0.00
78) Terphenyl-d14	20.12	244	632856	86.78	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.35	94	408749	162.489	ng	93
17) 2-Methylphenol	8.61	107	117299	70.194	ng	97
20) 3+4-Methylphenols	8.94	107	444820	188.917	ng	90
27) 2,4-Dimethylphenol	10.14	122	154837	83.943	ng	90
31) Naphthalene	11.04	128	1393342	231.898	ng	98
32) Benzoic acid	10.23	122	9549	6.183	ng	91
37) 2-Methylnaphthalene	12.63	142	107584	24.568	ng	92
45) 1,1'-Biphenyl	13.62	154	26568	4.363	ng	91
48) Acenaphthylene	14.51	152	48638	6.996	ng	# 97
51) Acenaphthene	14.85	154	51786	11.449	ng	99
54) Dibenzofuran	15.18	168	107468	16.644	ng	96
57) Fluorene	15.83	166	41213	7.726	ng	98
70) Phenanthrene	17.57	178	189868	23.510	ng	99
71) Anthracene	17.65	178	22223m	2.740	ng	
72) Carbazole	17.92	167	303819	39.001	ng	99
74) Fluoranthene	19.56	202	46639	4.937	ng	97
77) Pyrene	19.92	202	29847	2.966	ng	97

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

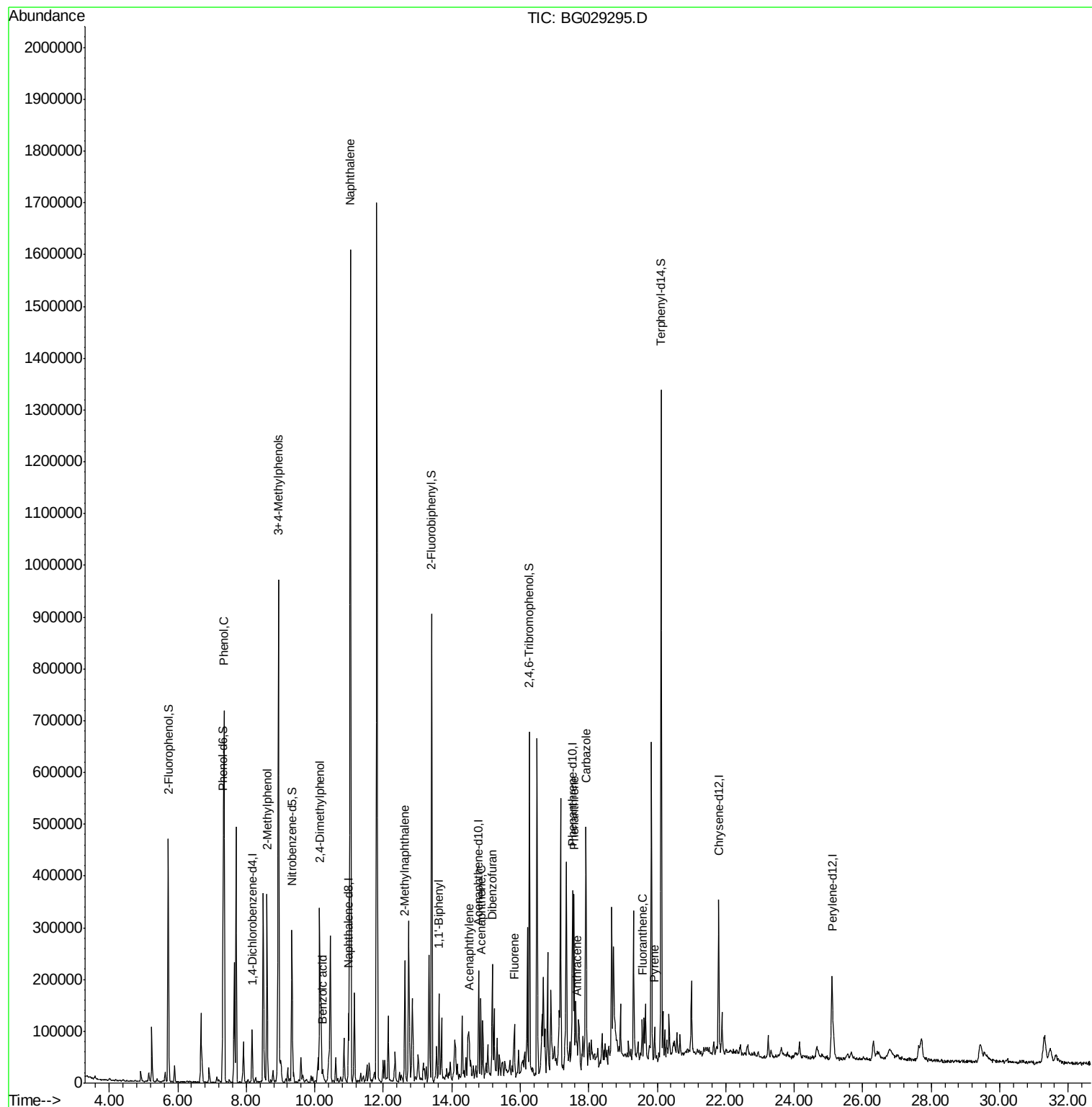
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
Data File : BG029295.D
Acq On : 17 Oct 2017 6:41
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ALS Vial : 15 Sample Multiplier: 1

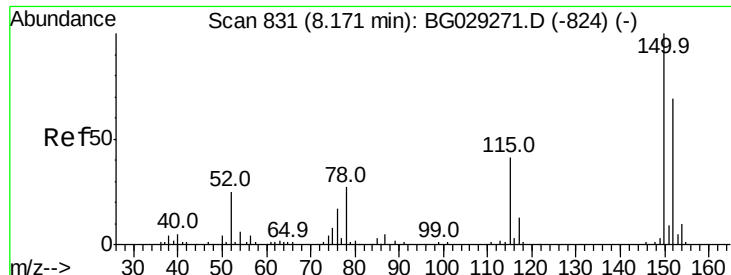
Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

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Quant Time: Oct 17 08:29:43 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

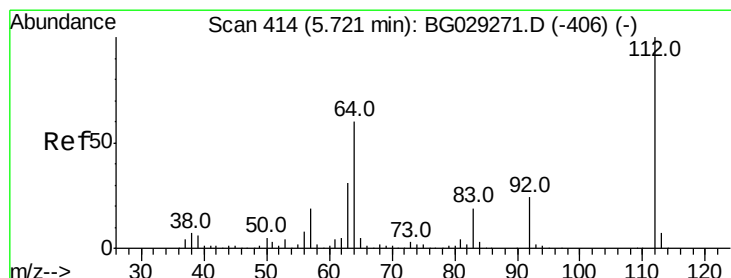
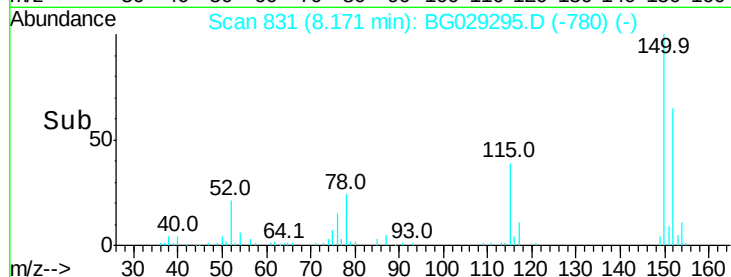
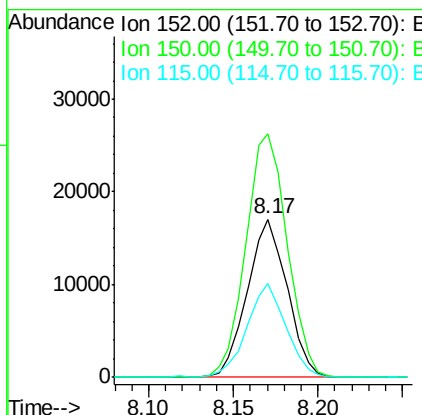
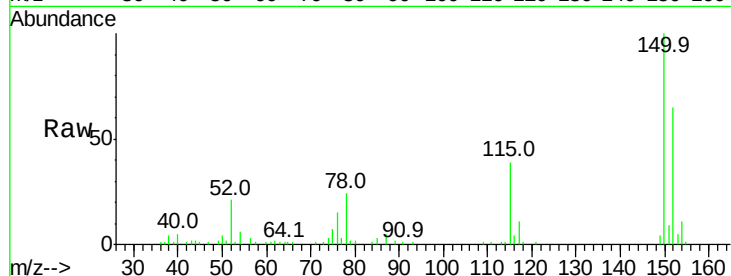
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	126.6	189.8
115	59.3	53.0	79.4

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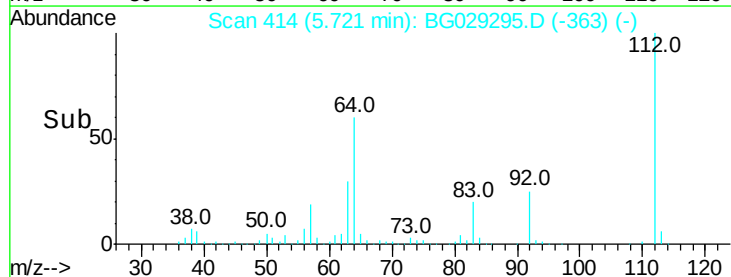
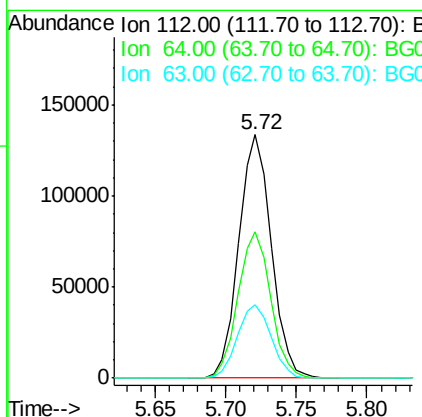
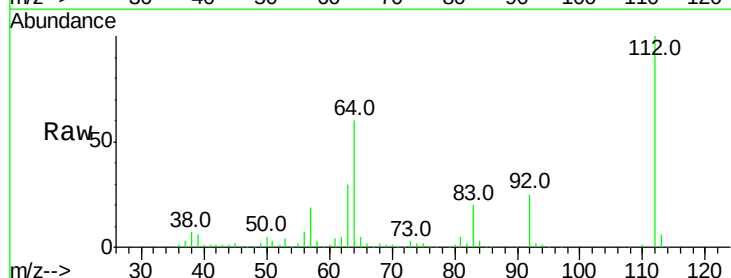
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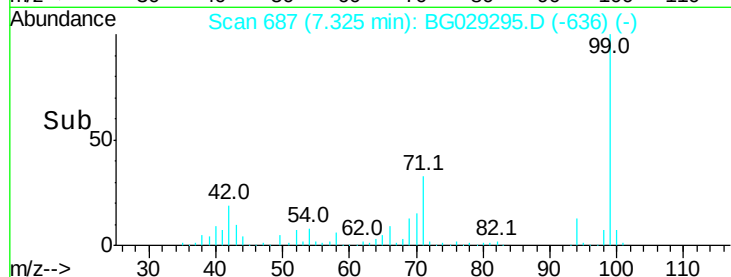
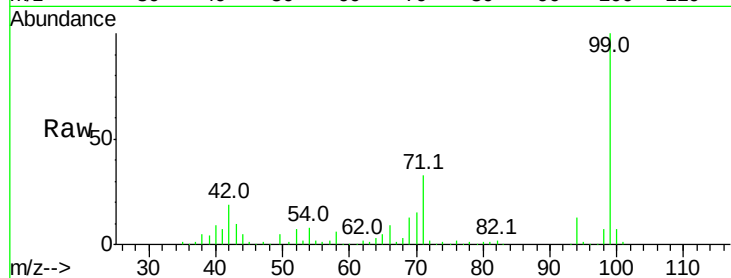
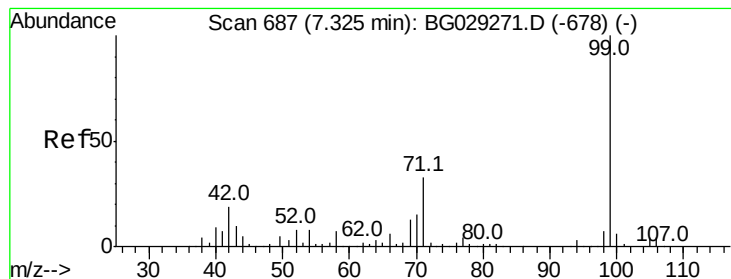


#5

2-Fluorophenol
Concen: 129.679 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	56.3	84.5
63	30.1	30.1	45.1





#7

Phenol-d6

Concen: 110.655 ng

RT: 7.32 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG029295.D

Acq: 17 Oct 2017 6:41

Tot Ion	99	Ratio	100	Resp	258194
				Lower	Upper
99	100				
42	19.3			14.1	21.1
71	32.5			26.1	39.1

Instrument :

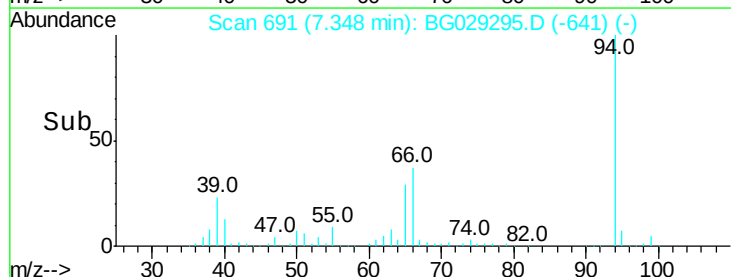
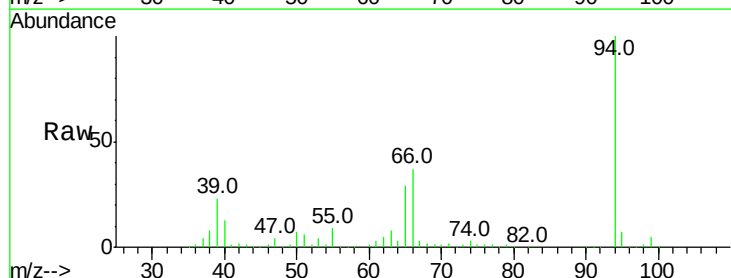
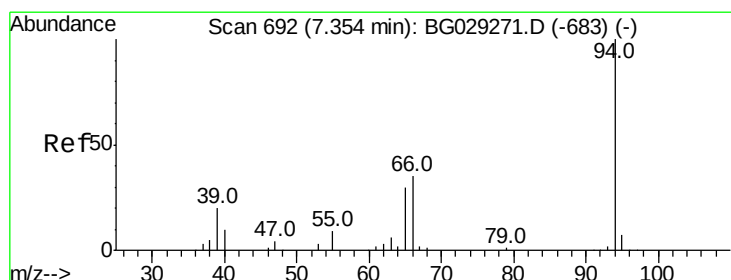
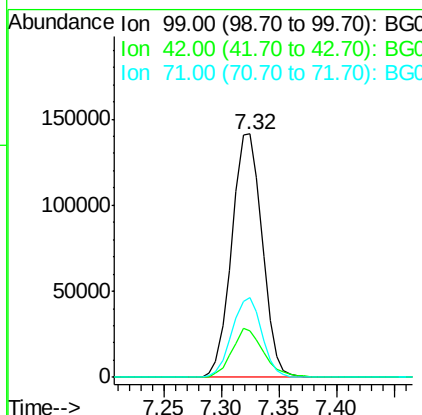
BNA_G

ClientSampleId :

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#10

Phenol

Concen: 162.489 ng

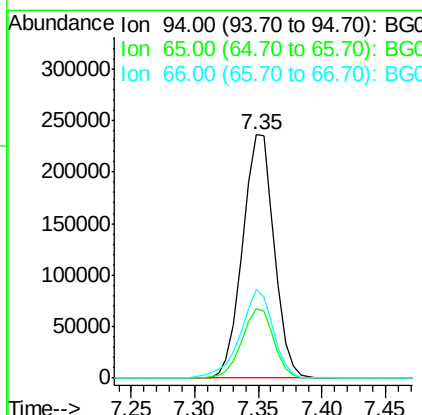
RT: 7.35 min Scan# 691

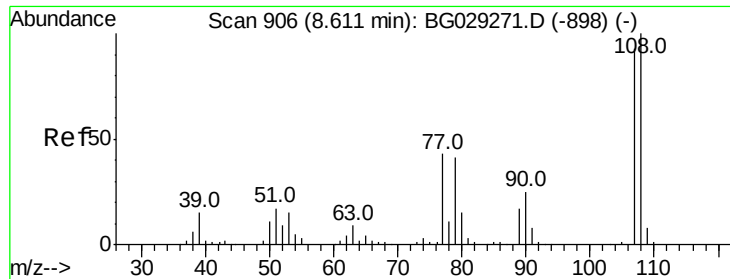
Delta R.T. -0.01 min

Lab File: BG029295.D

Acq: 17 Oct 2017 6:41

Tgt Ion	94	Ratio	100	Resp	408749
				Lower	Upper
94	100				
65	28.7			11.9	51.9
66	36.6			22.2	62.2





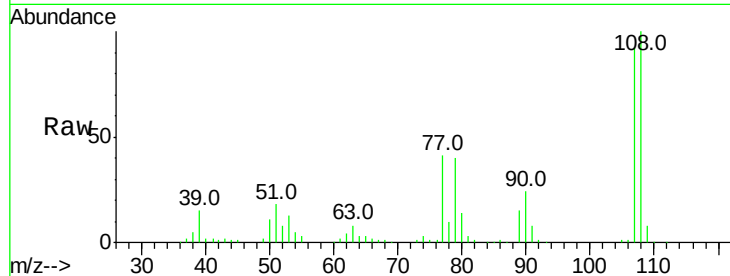
#17
2-Methylphenol
Concen: 70.194 ng
RT: 8.61 min Scan# 905
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampled :
WH-TWS-06

Tot Ion:	107	Resp:	117299
Ion Ratio	Lower	Upper	
107	100		
108	108.7	83.9	125.9
77	44.9	37.2	55.8
79	43.2	36.2	54.2

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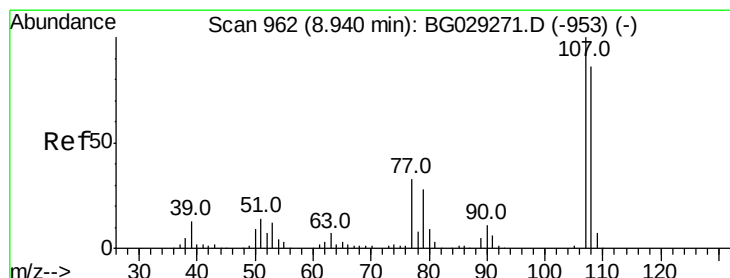
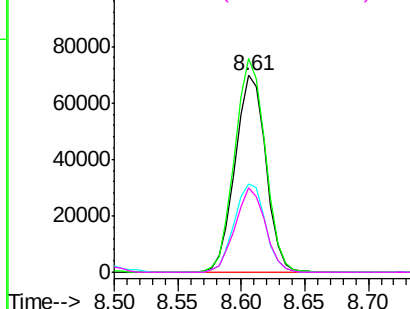
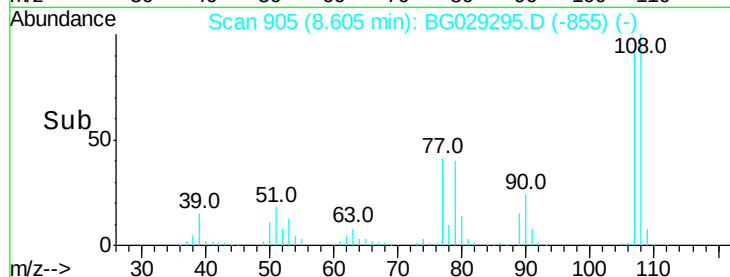
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

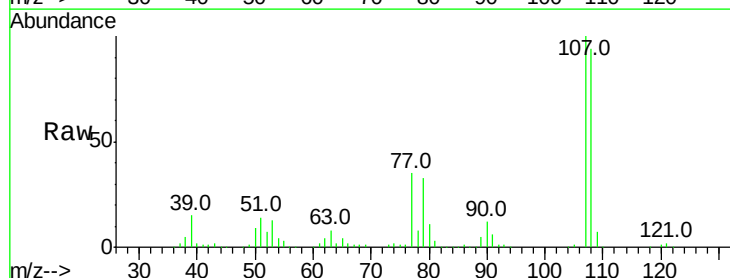
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#20
3+4-Methylphenols
Concen: 188.917 ng
RT: 8.94 min Scan# 962
Delta R.T. 0.00 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion:	107	Resp:	444820
Ion Ratio	Lower	Upper	
107	100		
108	93.6	61.6	101.6
77	35.3	13.9	53.9
79	32.9	8.8	48.8



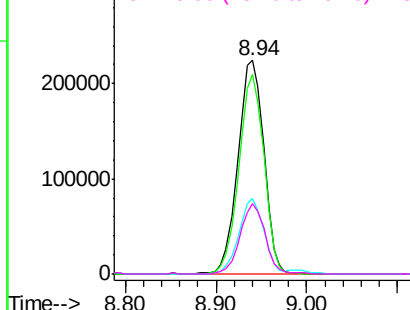
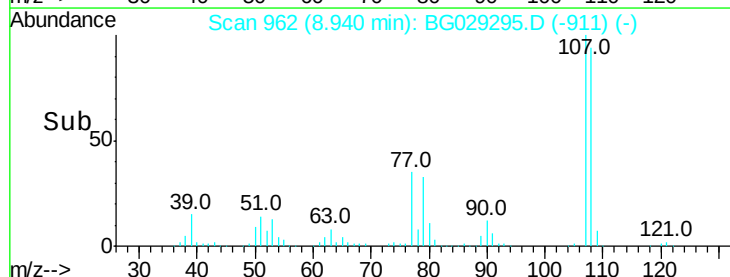
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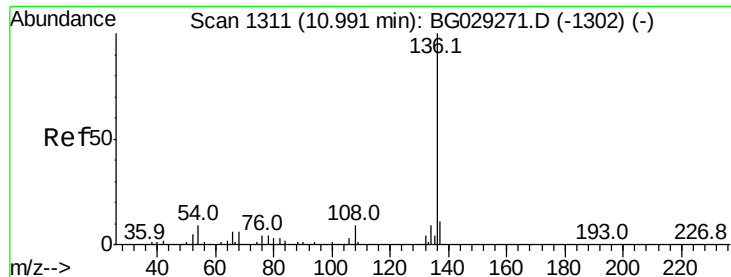
Ion 107.00 (106.70 to 107.70): E

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





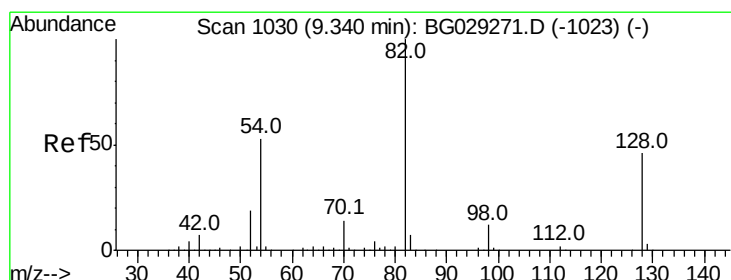
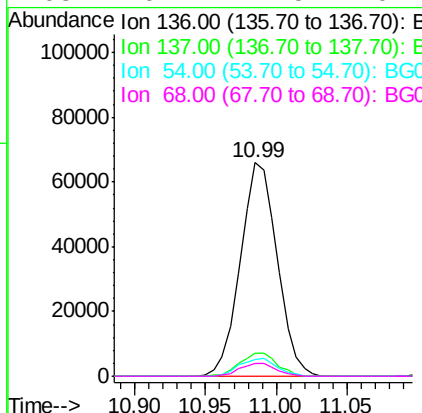
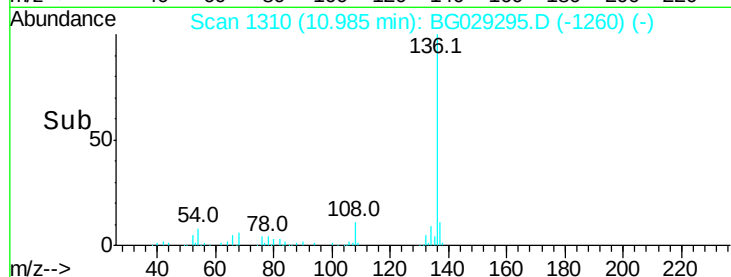
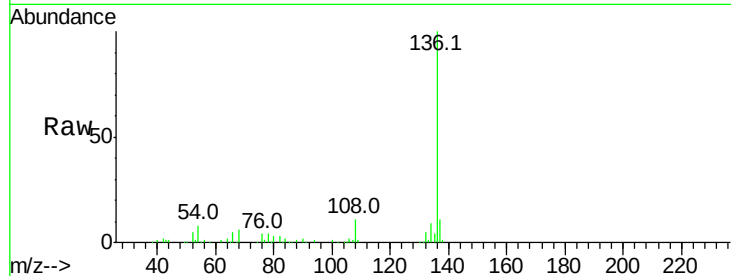
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	9.2	13.8	
54	8.0	10.3	15.5	
68	6.2	4.5	6.7	

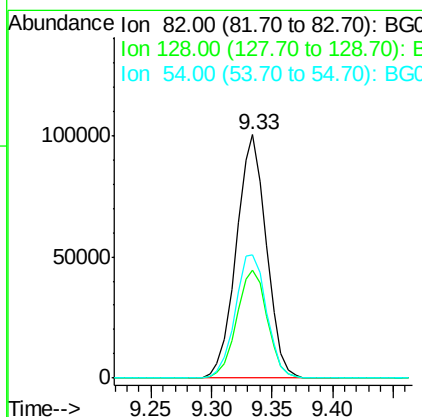
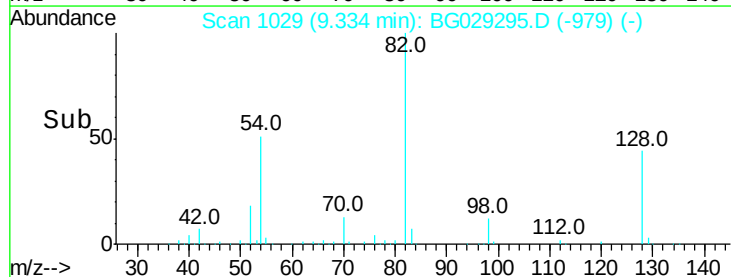
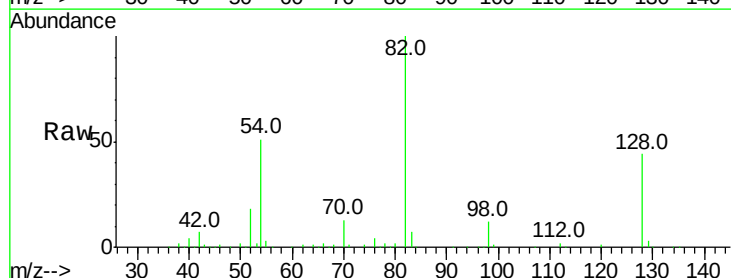
Manual Integrations
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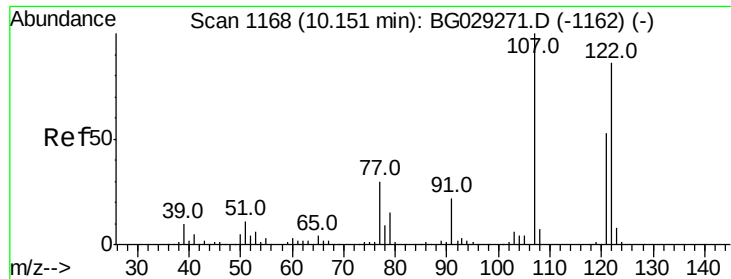
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#23
Nitrobenzene-d5
Concen: 91.674 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	29.7	44.5	
54	50.6	43.1	64.7	





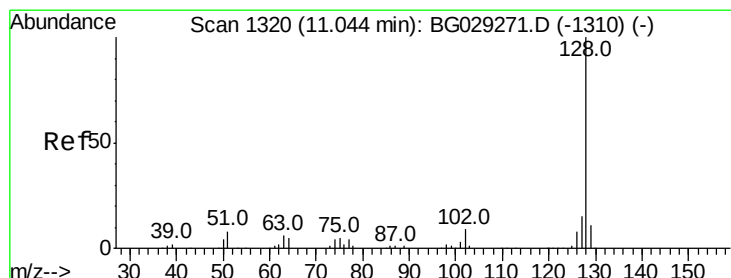
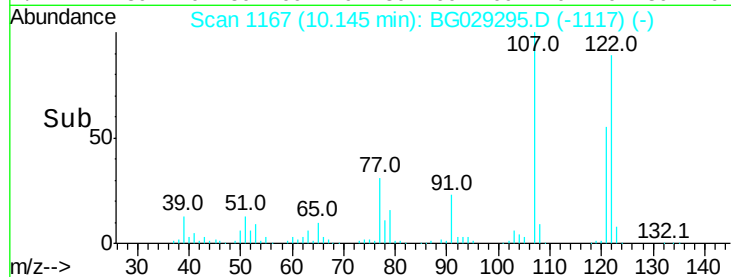
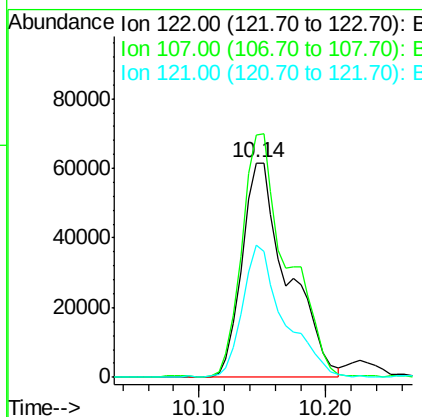
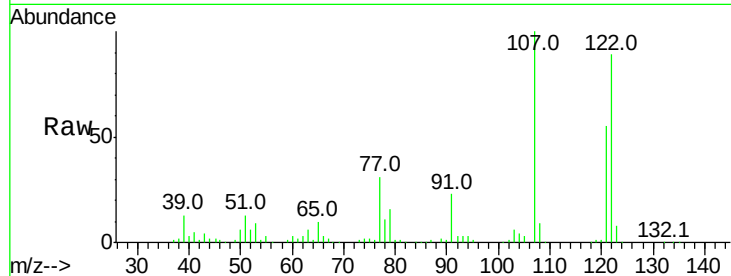
#27
 2,4-Dimethylphenol
 Concen: 83.943 ng
 RT: 10.14 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BG029295.D
 Acq: 17 Oct 2017 6:41

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-06

Tot Ion:	122	Resp:	154837
Ion Ratio	Lower	Upper	
122	100		
107	112.8	100.2	150.2
121	61.5	44.4	66.6

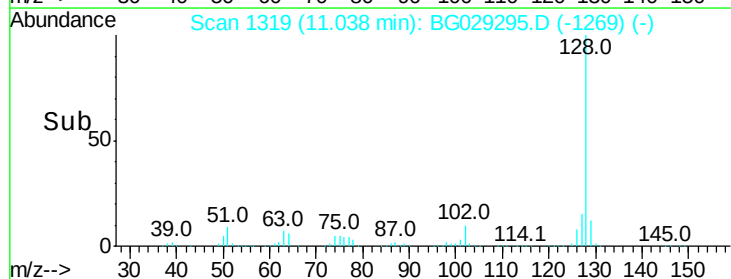
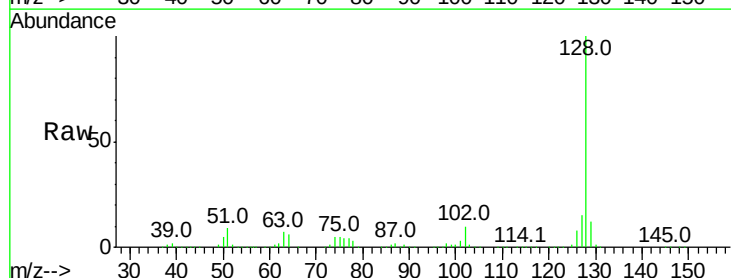
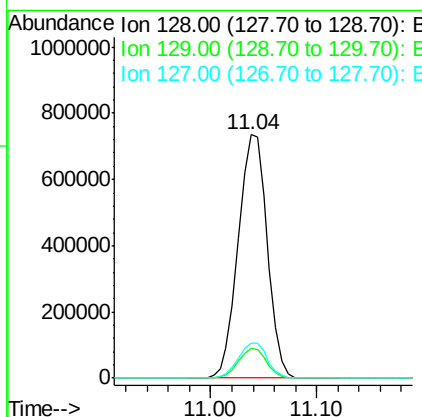
Manual Integrations
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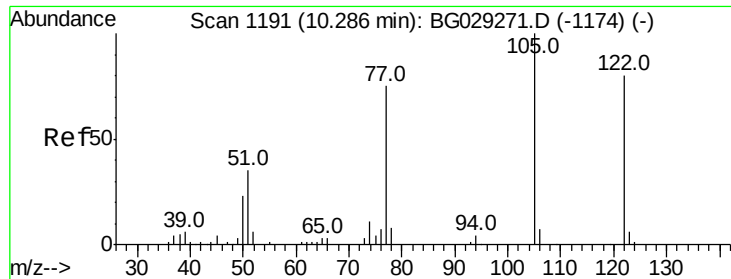
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#31
 Naphthalene
 Concen: 231.898 ng
 RT: 11.04 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BG029295.D
 Acq: 17 Oct 2017 6:41

Tgt Ion:	128	Resp:	1393342
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.6	12.8
127	14.5	11.6	17.4





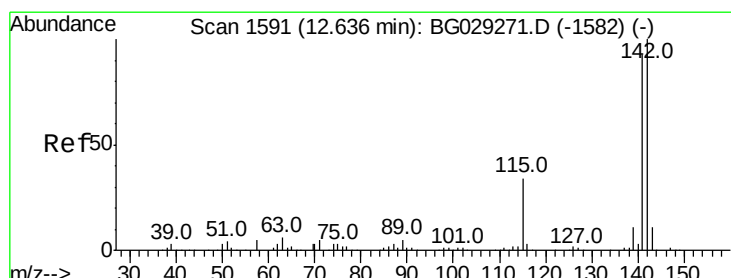
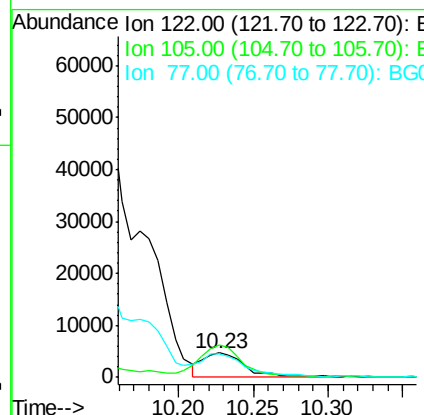
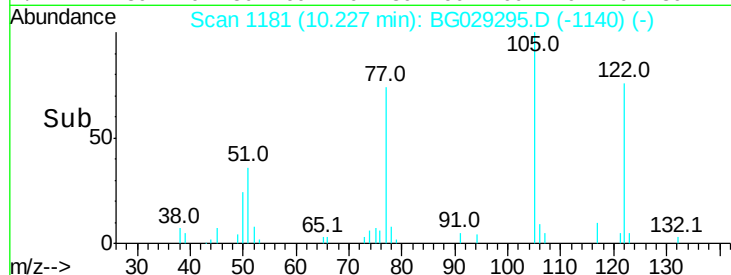
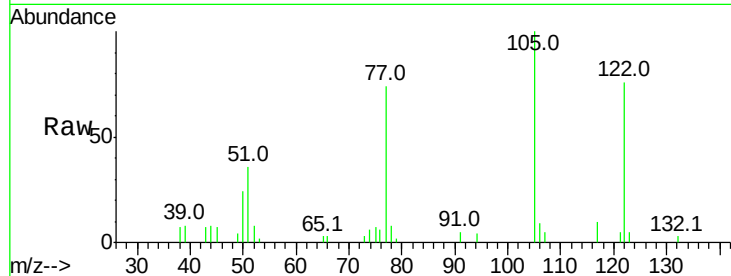
#32
Benzoic acid
Concen: 6.183 ng
RT: 10.23 min Scan# 1181
Delta R.T. -0.06 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

Tot Ion:	122	Resp:	9549
Ion Ratio	Lower	Upper	
122	100		
105	131.2	123.5	163.5
77	97.3	85.7	125.7

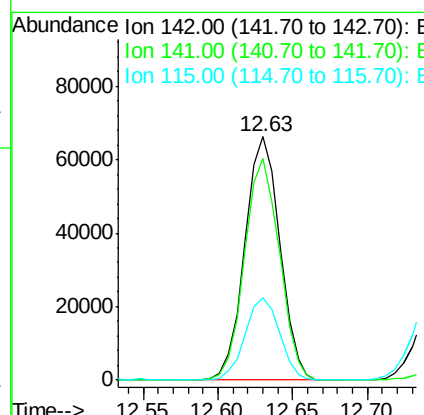
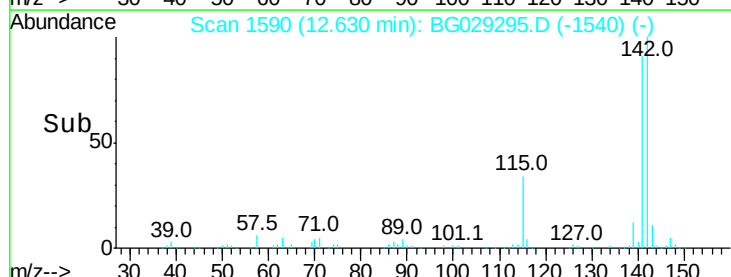
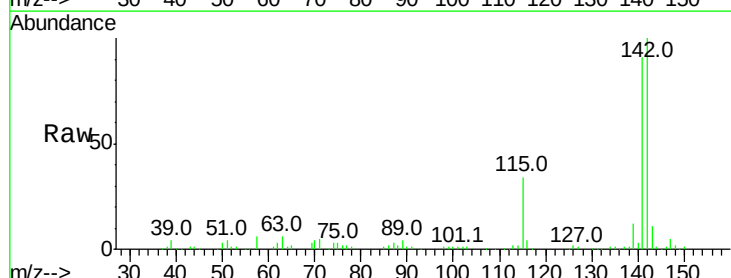
Manual Integrations
APPROVED

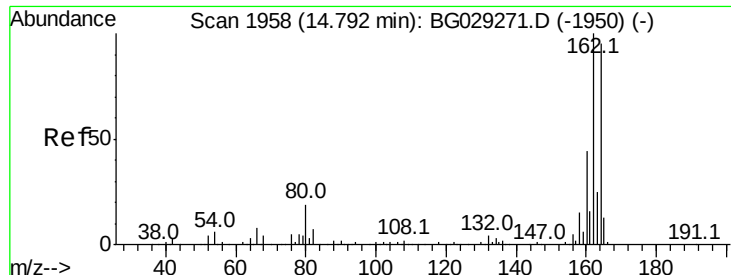
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#37
2-Methylnaphthalene
Concen: 24.568 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion:	142	Resp:	107584
Ion Ratio	Lower	Upper	
142	100		
141	91.0	67.1	100.7
115	33.6	30.7	46.1





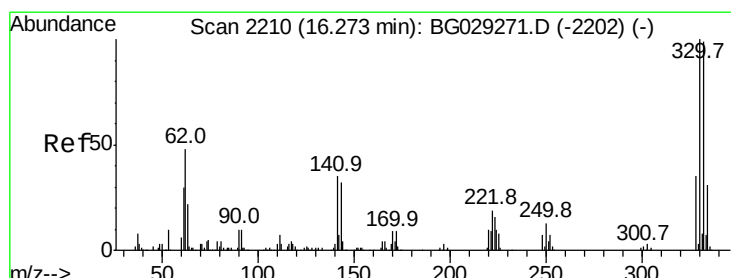
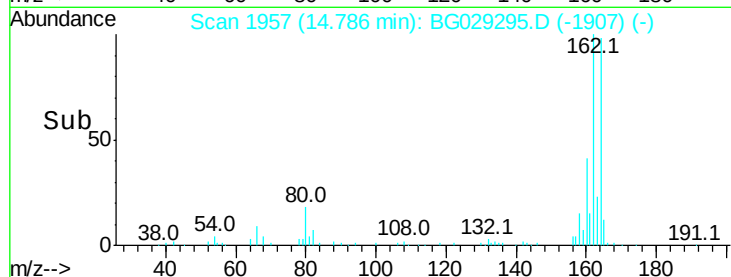
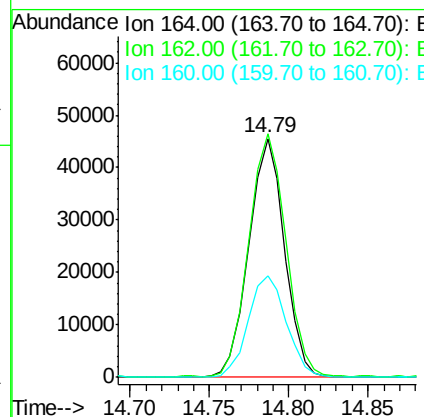
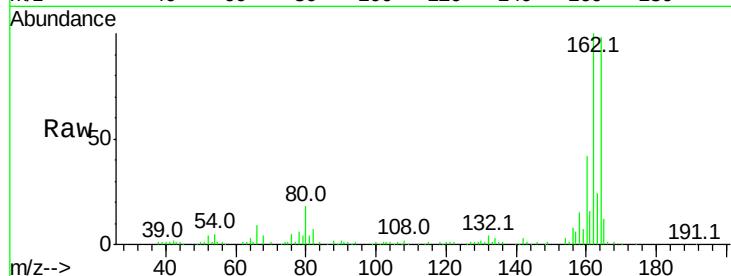
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.8	118.2
160	42.6	35.4	53.0

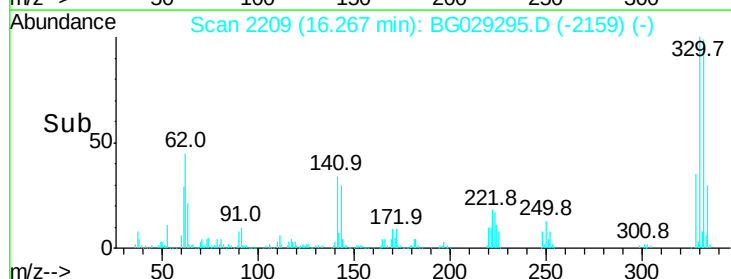
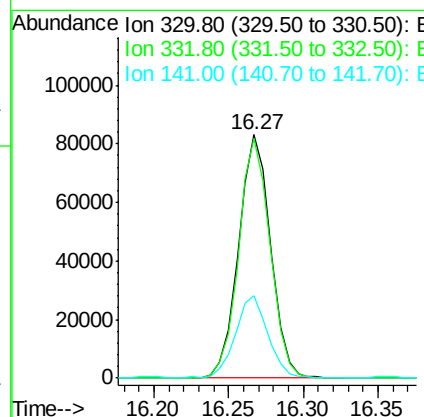
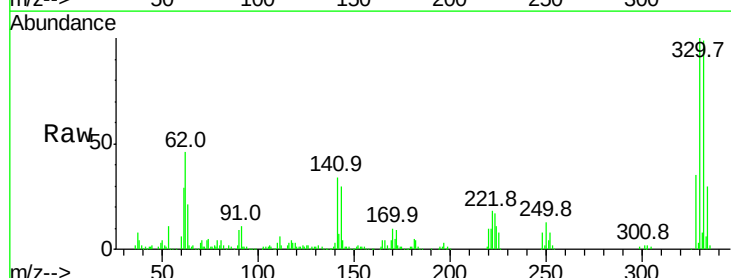
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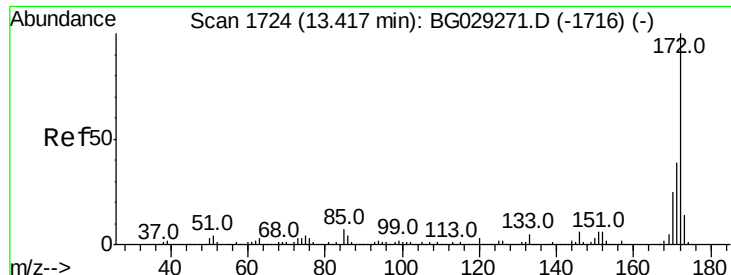
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#41
2,4,6-Tribromophenol
Concen: 135.377 ng
RT: 16.27 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	34.0	25.2	37.8





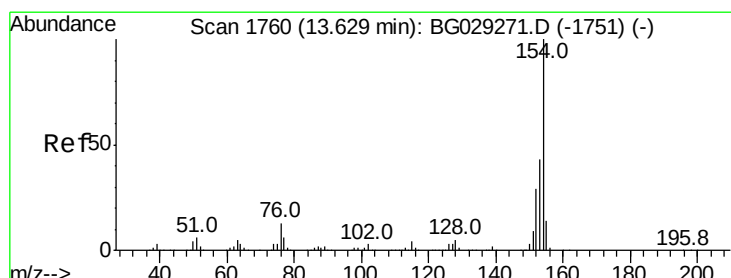
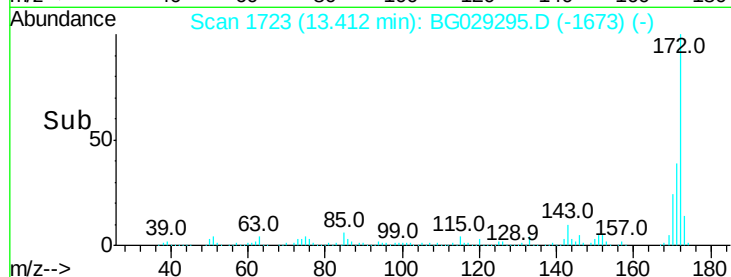
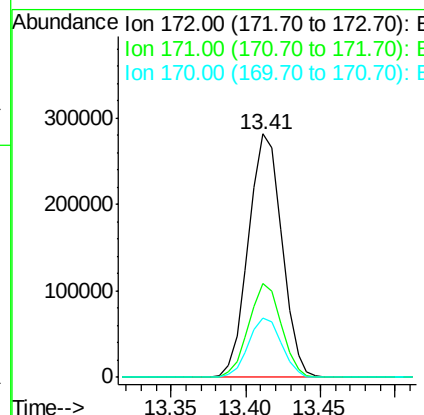
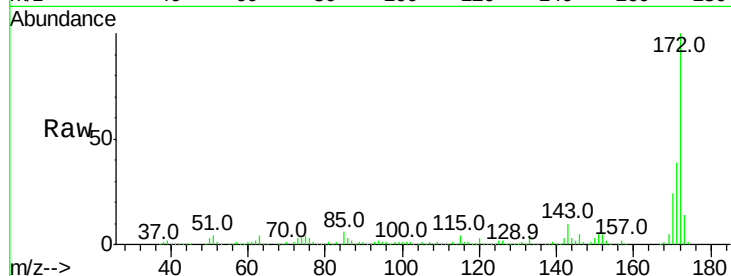
#44
2-Fluorobiphenyl
Concen: 90.225 ng
RT: 13.41 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

Tot Ion	Ratio	Resp	Lower	Upper
172	100	435845		
171	38.7		30.0	45.0
170	24.4		19.5	29.3

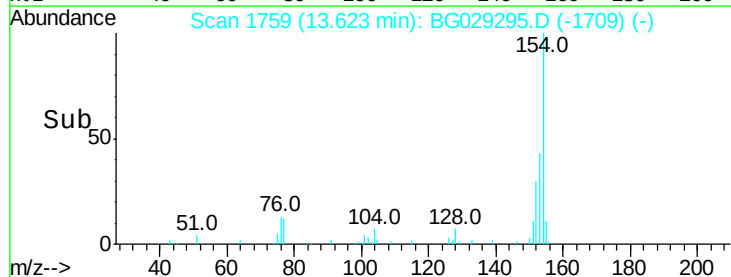
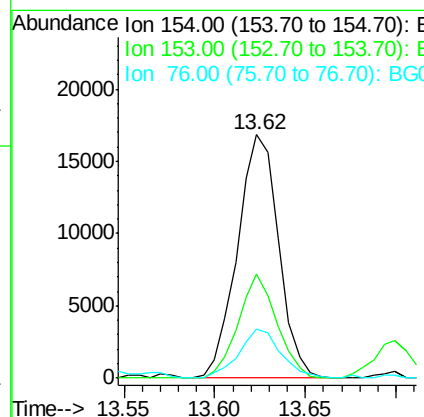
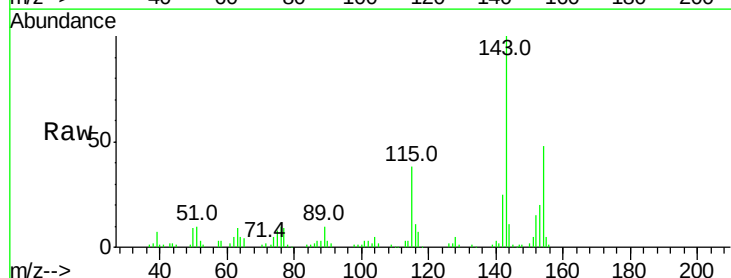
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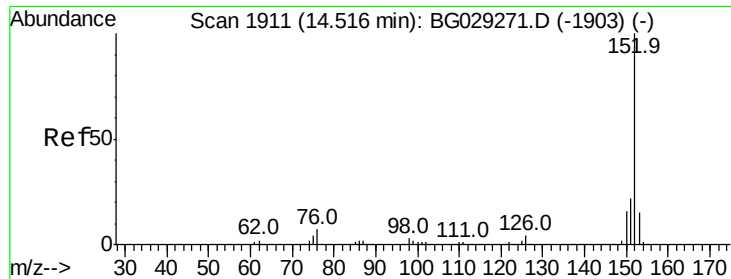
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#45
1,1'-Biphenyl
Concen: 4.363 ng
RT: 13.62 min Scan# 1759
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	26568		
153	42.8		19.8	59.8
76	19.9		0.0	31.9





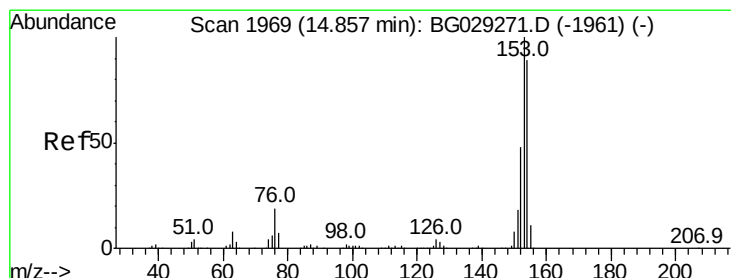
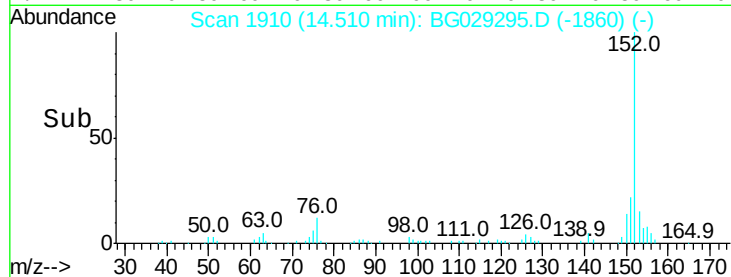
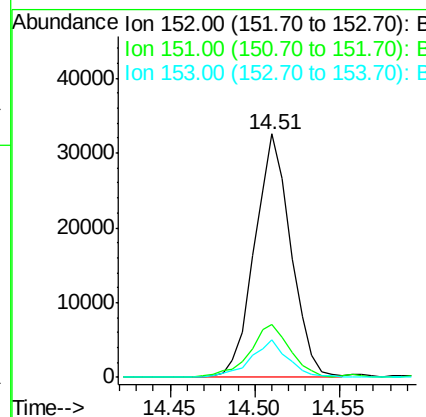
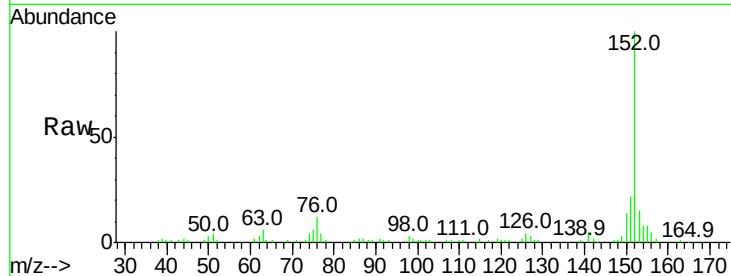
#48
Acenaphthylene
Concen: 6.996 ng
RT: 14.51 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.2	25.8
153	15.4	10.2	15.4

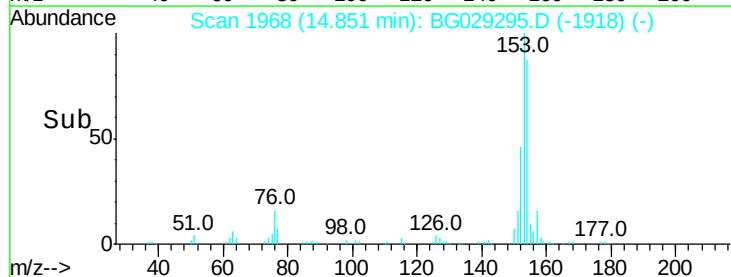
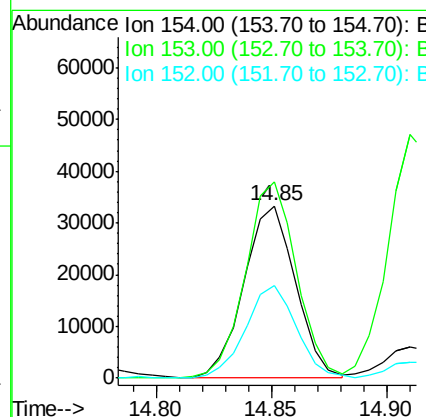
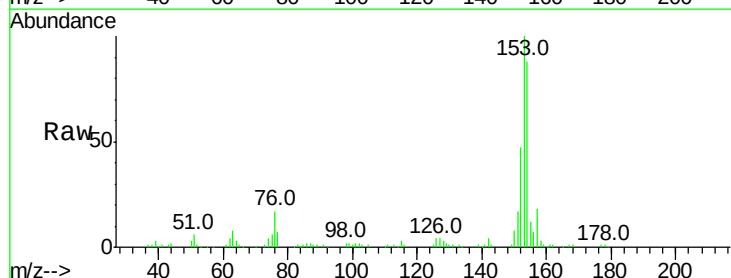
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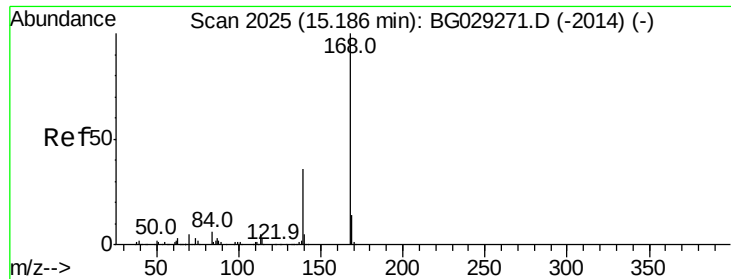
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#51
Acenaphthene
Concen: 11.449 ng
RT: 14.85 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.0	90.4	135.6
152	53.6	41.6	62.4





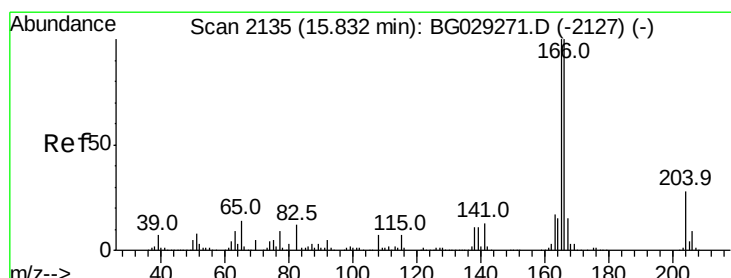
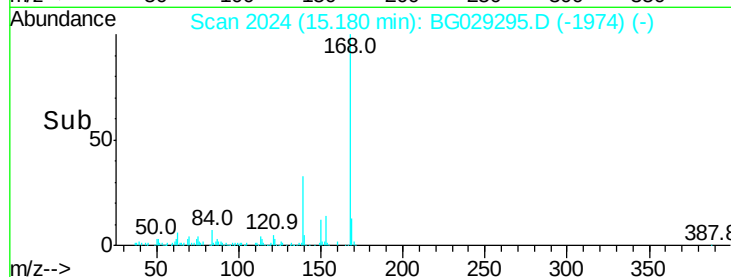
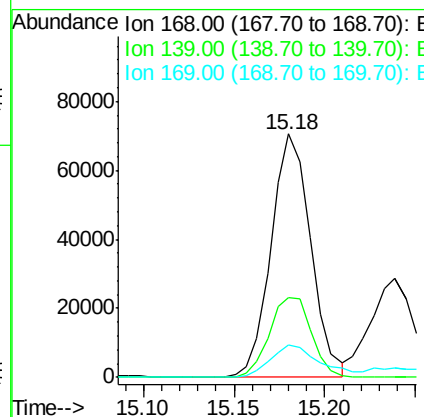
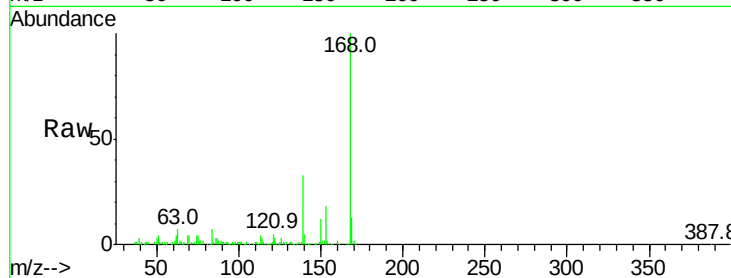
#54
Dibenzenofuran
Concen: 16.644 ng
RT: 15.18 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampleId :
WH-TWS-06

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.0	28.6	43.0
169	13.3	11.2	16.8

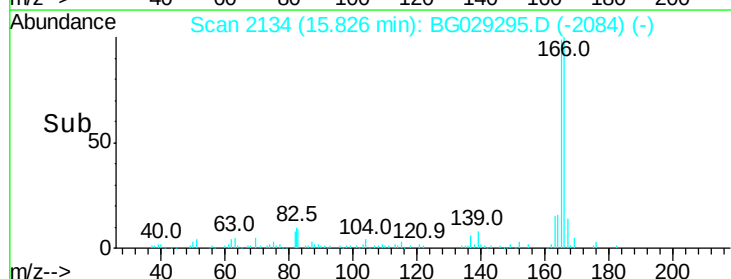
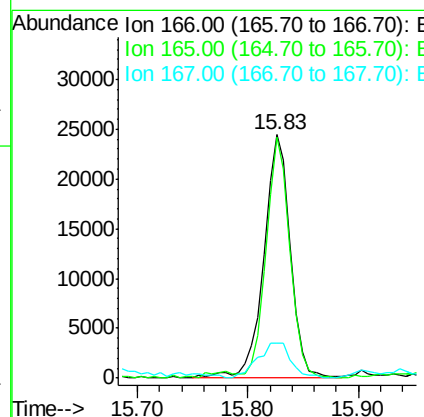
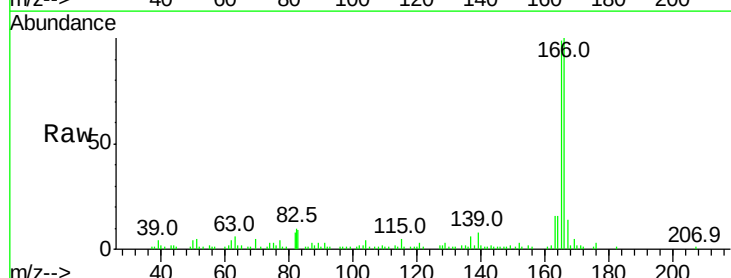
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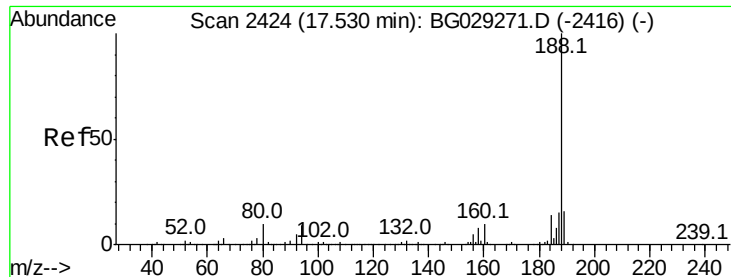
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#57
Fluorene
Concen: 7.726 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.0	80.6	121.0
167	14.3	10.4	15.6





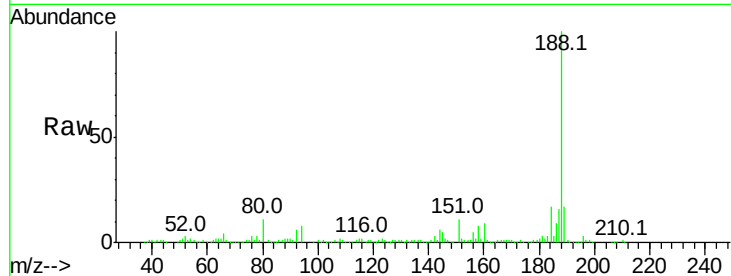
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.52 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

Instrument :
BNA_G
ClientSampled :
WH-TWS-06

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.1	6.9	10.3
80	11.5	7.7	11.5

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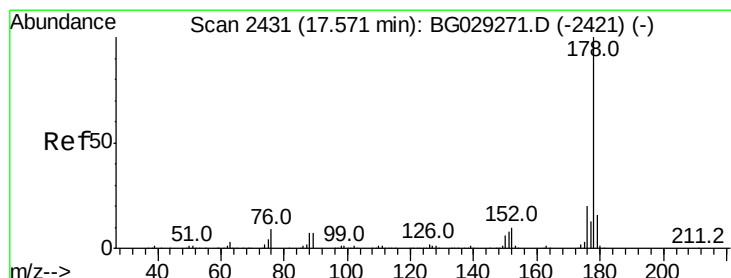
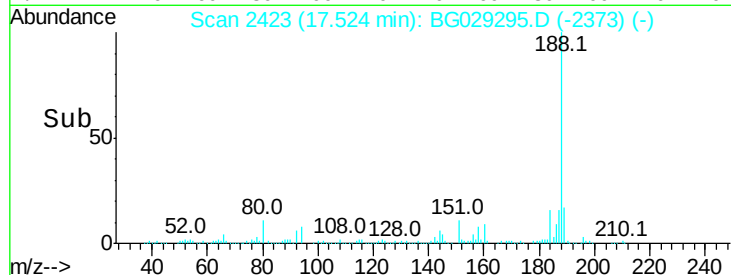
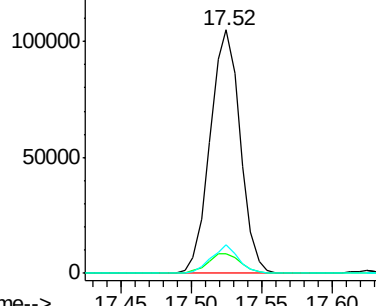
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Abundance Ion 188.00 (187.70 to 188.70): E

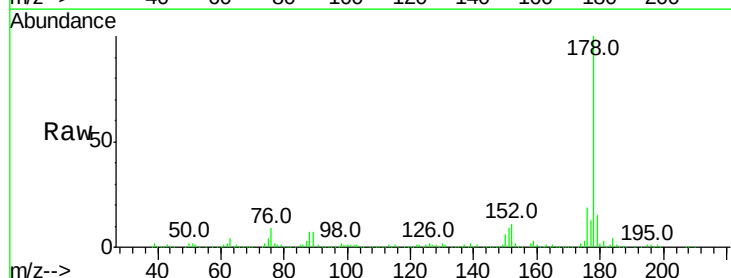
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#70
Phenanthrene
Concen: 23.510 ng
RT: 17.57 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BG029295.D
Acq: 17 Oct 2017 6:41

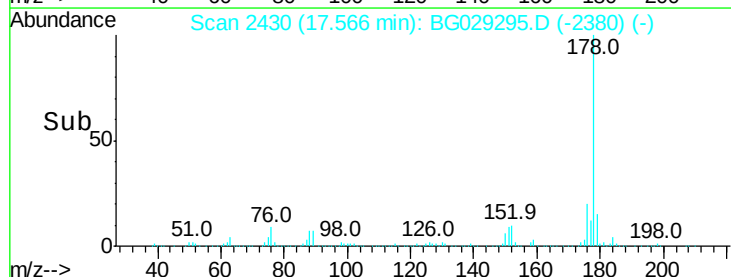
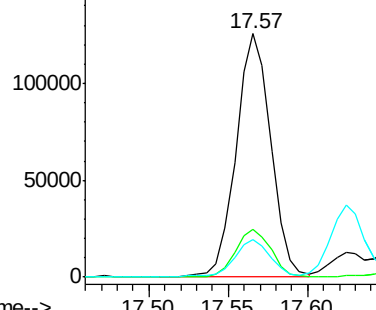
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.3	12.5	18.7

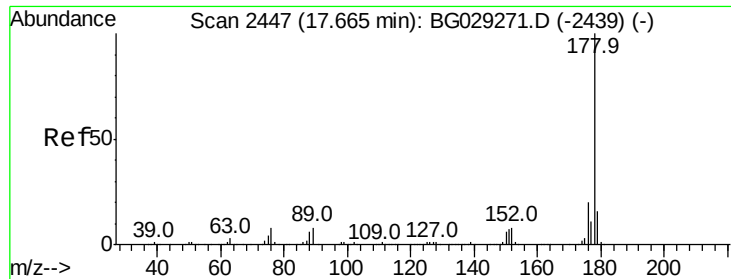


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





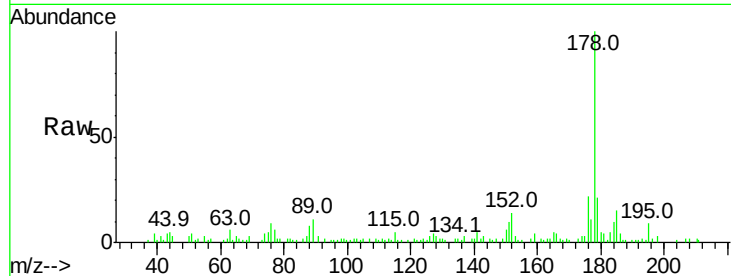
#71
 Anthracene
 Concen: 2.740 ng/mL
 RT: 17.65 min Scan# 2445
 Delta R.T. -0.01 min
 Lab File: BG029295.D
 Acq: 17 Oct 2017 6:41

Instrument :
 BNA_G
 ClientSampleID :
 WH-TWS-06

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.0	16.0	24.0
179	20.9	12.5	18.7

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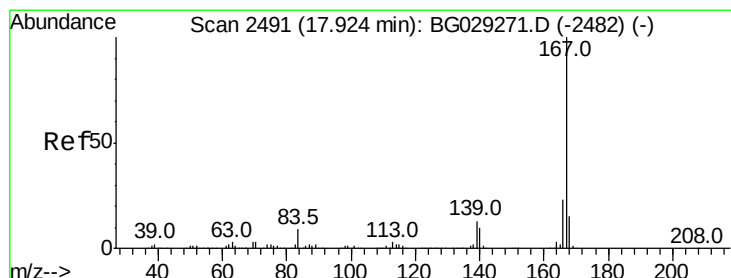
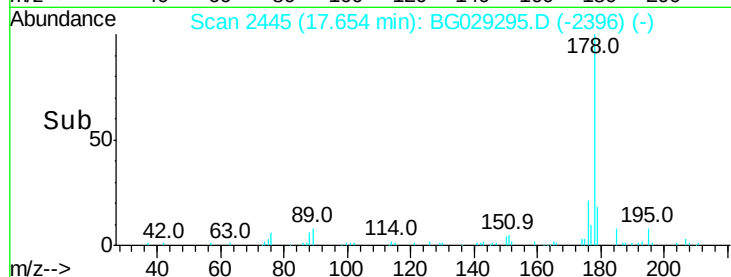
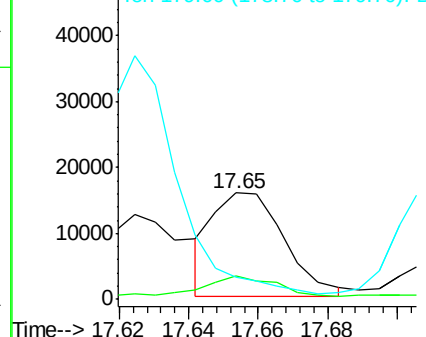


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 39.001 ng/mL
 RT: 17.92 min Scan# 2491
 Delta R.T. 0.00 min
 Lab File: BG029295.D
 Acq: 17 Oct 2017 6:41

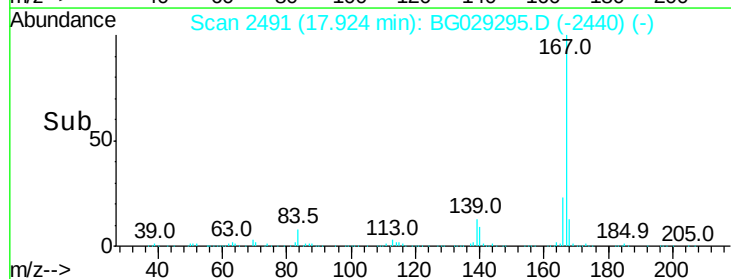
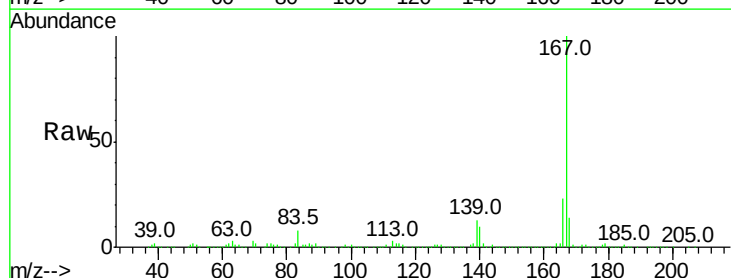
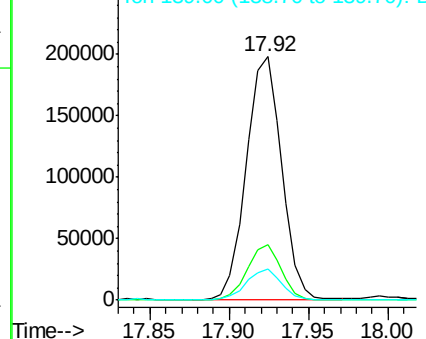
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	18.2	27.4
139	12.9	9.4	14.2

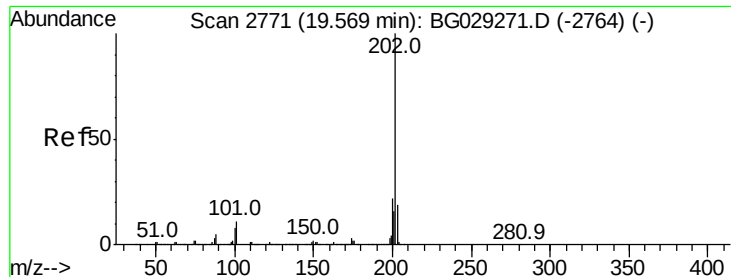
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 4.937 ng

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029295.D

Acq: 17 Oct 2017 6:41

Instrument :

BNA_G

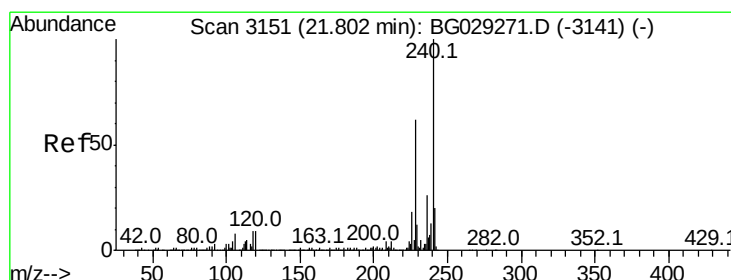
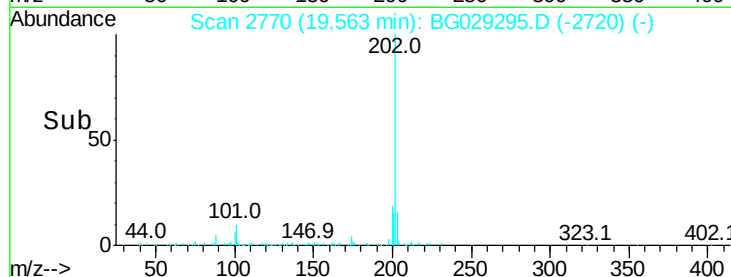
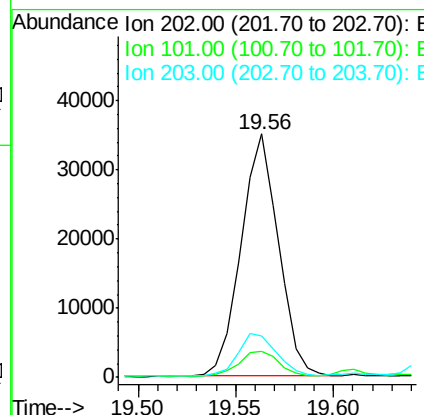
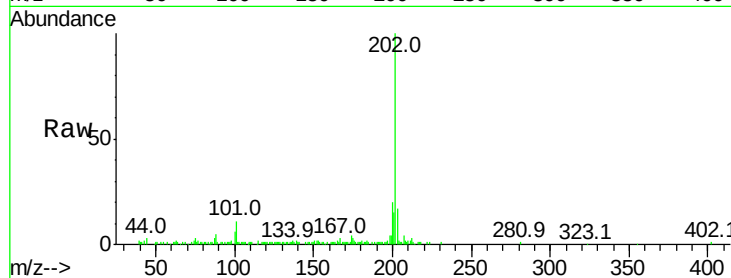
ClientSampleId :

WH-TWS-06

Tot Ion:	202	Resp:	46639
Ion Ratio		Lower	Upper
202	100		
101	10.9	0.0	28.9
203	16.9	0.0	37.5

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#75

Chrysene-d12

Concen: 20.000 ng

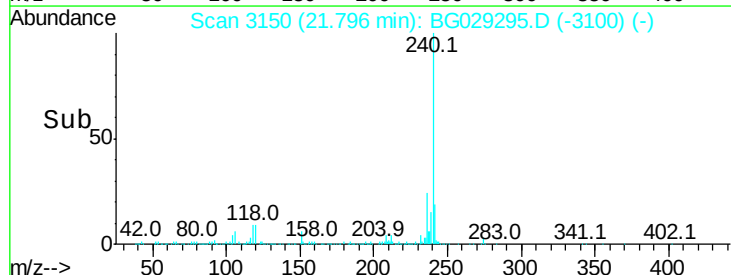
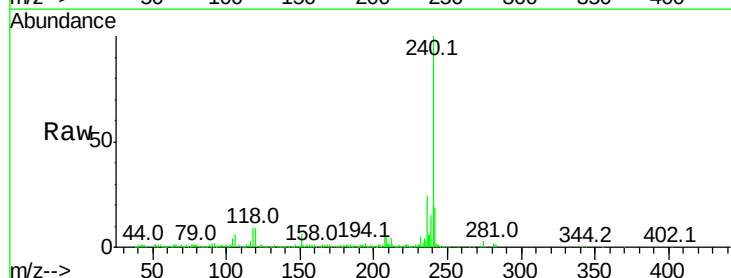
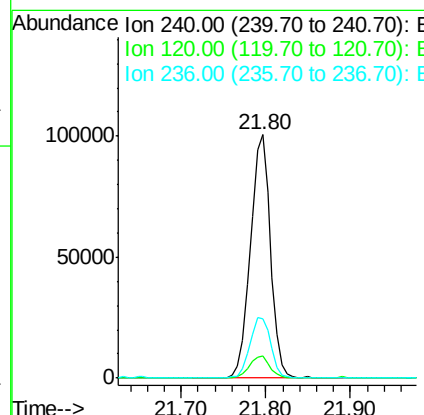
RT: 21.80 min Scan# 3150

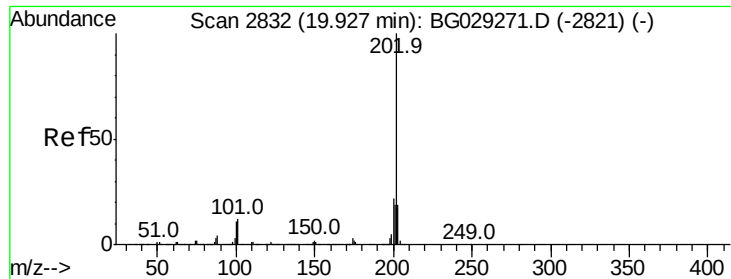
Delta R.T. -0.01 min

Lab File: BG029295.D

Acq: 17 Oct 2017 6:41

Tgt Ion:	240	Resp:	165900
Ion Ratio		Lower	Upper
240	100		
120	9.3	6.8	10.2
236	24.4	20.9	31.3





#77

Pvrene

Concen: 2.966 ng

RT: 19.92 min Scan# 2831

Delta R.T. -0.01 min

Lab File: BG029295.D

Acq: 17 Oct 2017 6:41

Instrument :

BNA_G

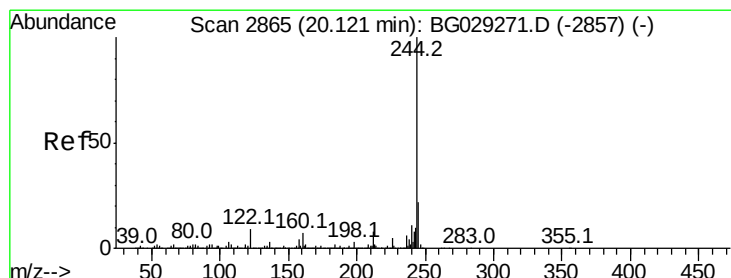
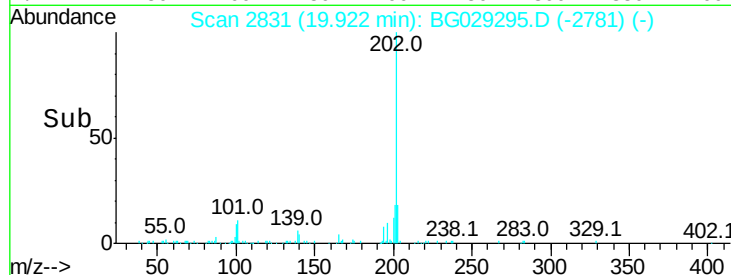
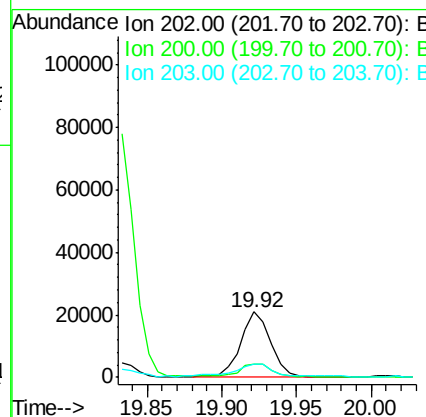
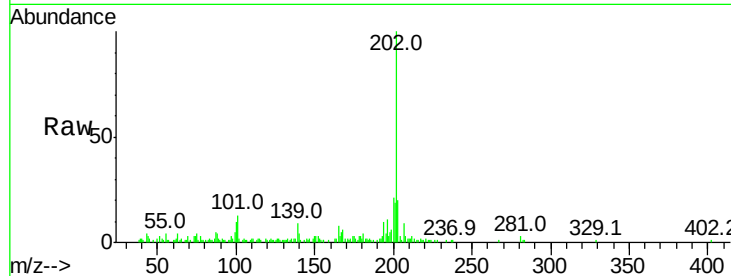
ClientSampleId :

WH-TWS-06

Tot Ion:	202	Resp:	29847
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.9	25.3
203	19.8	13.9	20.9

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#78

Terphenyl-d14

Concen: 86.781 ng

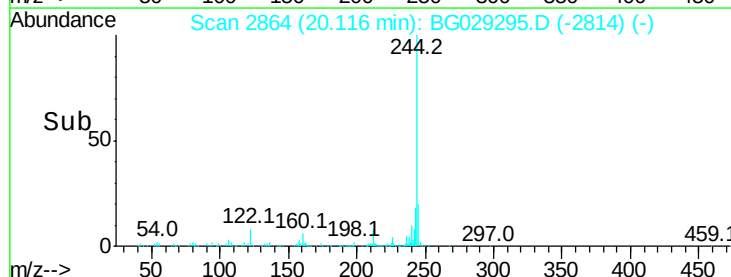
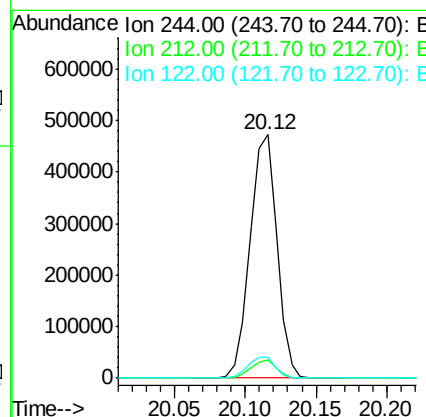
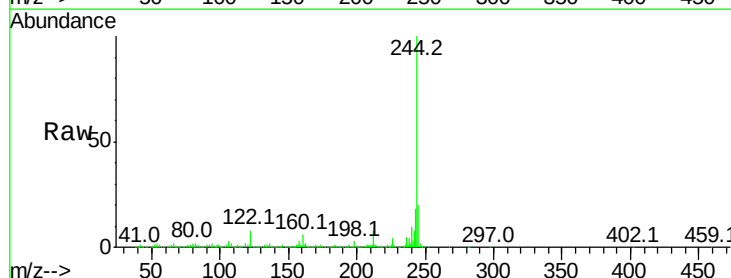
RT: 20.12 min Scan# 2864

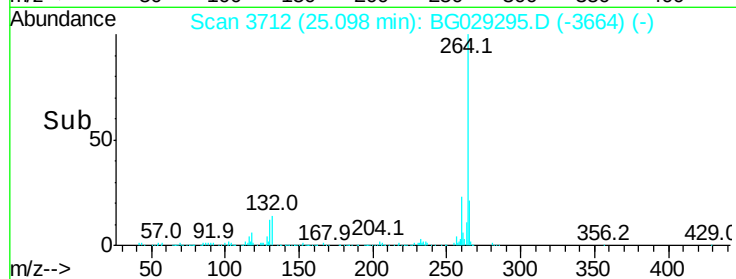
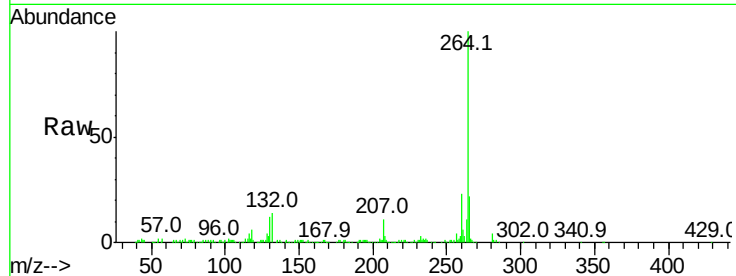
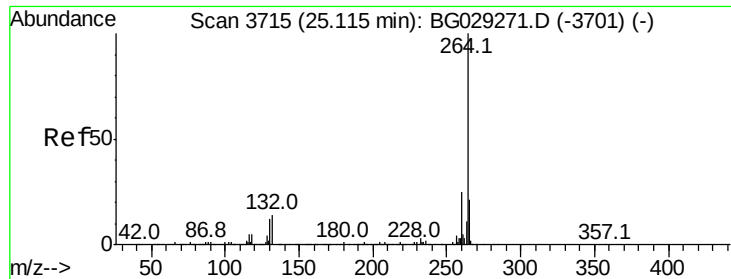
Delta R.T. -0.01 min

Lab File: BG029295.D

Acq: 17 Oct 2017 6:41

Tgt Ion:	244	Resp:	632856
Ion Ratio	Lower	Upper	
244	100		
212	7.7	5.8	8.8
122	8.4	7.0	10.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.10 min Scan# 3712
 Delta R.T. -0.02 min
 Lab File: BG029295.D
 Acq: 17 Oct 2017 6:41

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-06

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	21.9	17.7	26.5

Manual Integrations
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