

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029290.D
 Acq On : 17 Oct 2017 3:24
 Operator : SJ/JU
 Sample : I5906-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-01

Manual Integrations
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 10/17/2017 5:04:15 PM

Quant Time: Oct 17 05:27:18 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	71191	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	341952	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	214222	20.00	ng	0.00
63) Phenanthrene-d10	17.53	188	470970	20.00	ng	0.00
75) Chrysene-d12	21.80	240	515810	20.00	ng	0.00
86) Perylene-d12	25.11	264	537610	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	543688	127.58	ng	0.00
7) Phenol-d6	7.33	99	681565	113.94	ng	0.00
23) Nitrobenzene-d5	9.33	82	466439	86.68	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	339904	122.89	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1198870	82.08	ng	0.00
78) Terphenyl-d14	20.12	244	1759430	77.60	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 3+4-Methylphenols	8.94	107	13747	2.277	ng	# 83
27) 2,4-Dimethylphenol	10.15	122	13975	2.671	ng	88
31) Naphthalene	11.04	128	814510	47.794	ng	98
37) 2-Methylnaphthalene	12.63	142	192175	15.472	ng	90
45) 1,1'-Biphenyl	13.62	154	71302	3.872	ng	98
48) Acenaphthylene	14.51	152	57998	2.759	ng	97
51) Acenaphthene	14.85	154	371885	27.192	ng	97
54) Dibenzofuran	15.18	168	427191	21.881	ng	99
57) Fluorene	15.83	166	351728	21.808	ng	98
70) Phenanthrene	17.57	178	942558	38.740	ng	98
71) Anthracene	17.66	178	95911	3.926	ng	98
72) Carbazole	17.92	167	658580	28.062	ng	99
74) Fluoranthene	19.56	202	376088	13.216	ng	98
77) Pyrene	19.92	202	269333	8.608	ng	99
80) Benzo(a)anthracene	21.78	228	61645m	2.036	ng	

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

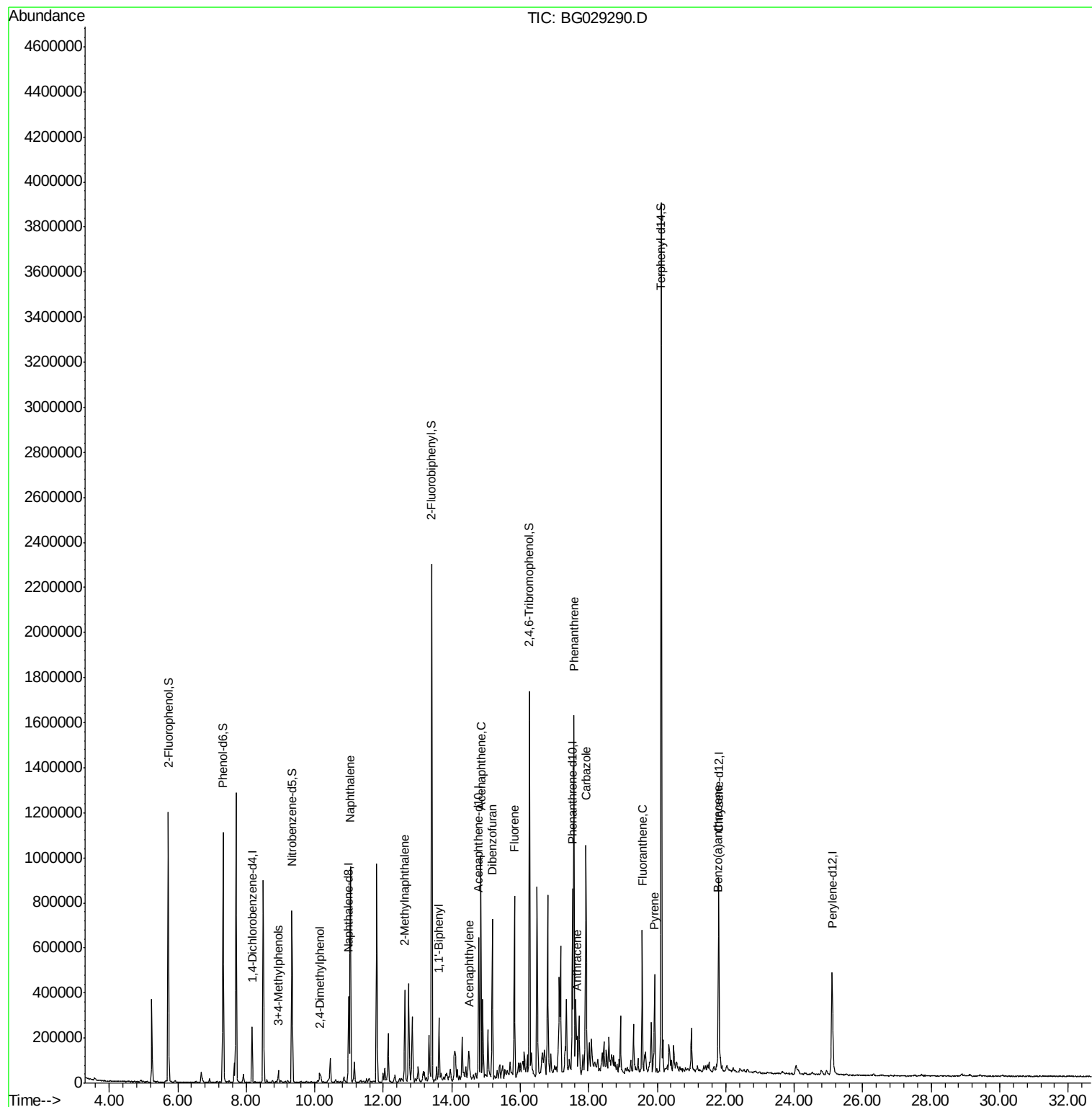
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
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Acq On : 17 Oct 2017 3:24
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Sample : I5906-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

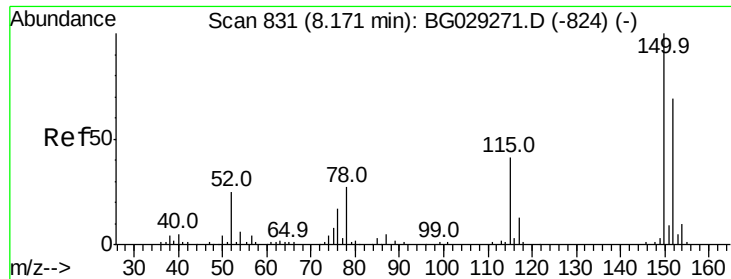
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

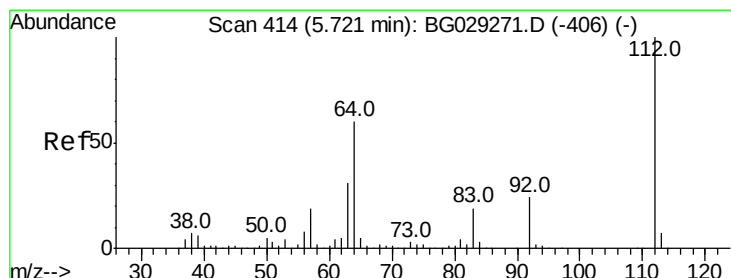
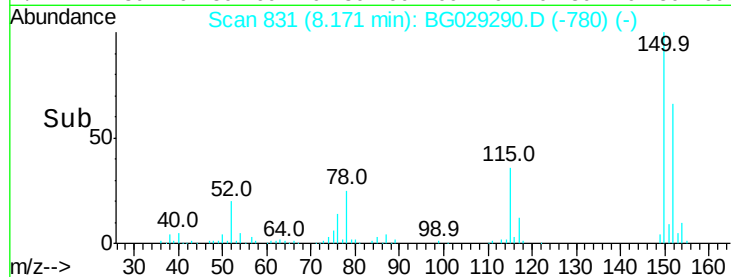
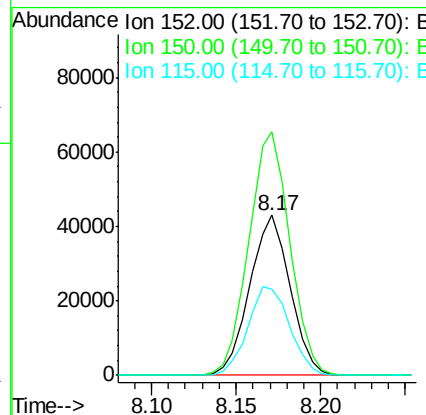
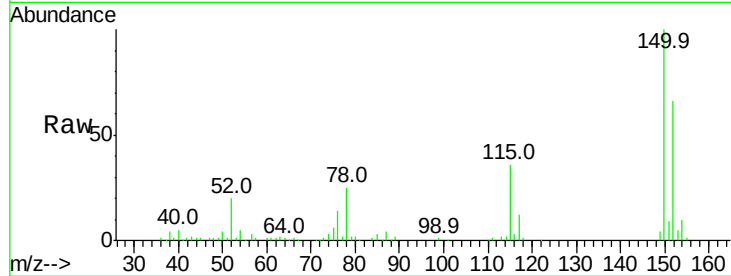
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampleId :
WH-TWS-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.6	189.8
115	54.2	53.0	79.4

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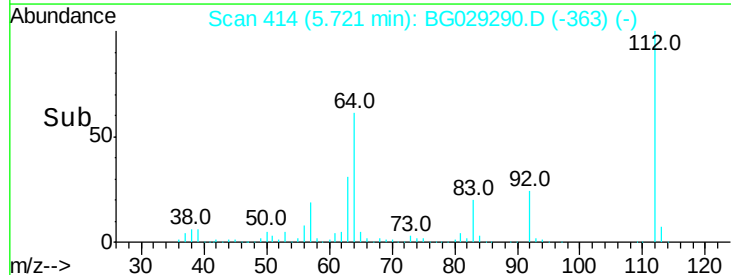
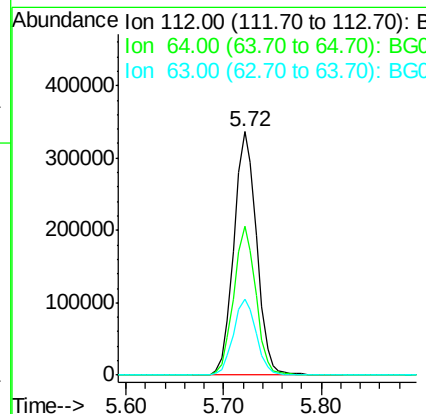
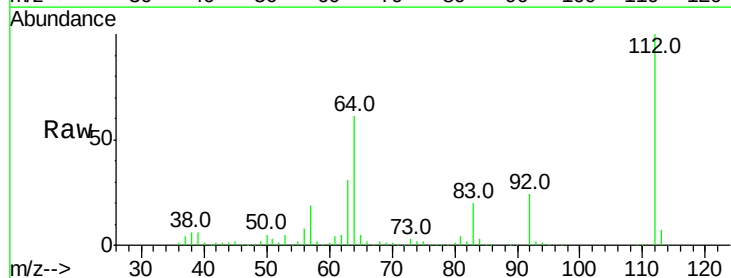
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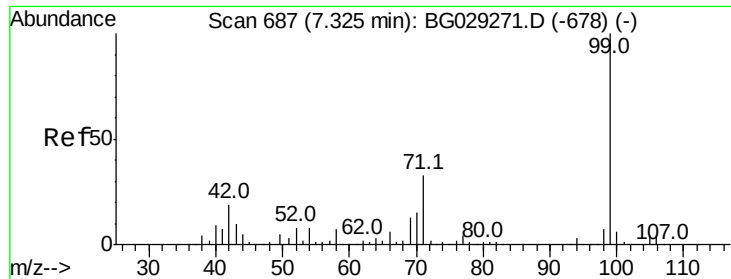


#5

2-Fluorophenol
Concen: 127.581 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.0	56.3	84.5
63	31.4	30.1	45.1





#7

Phenol-d6

Concen: 113.941 ng

RT: 7.33 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

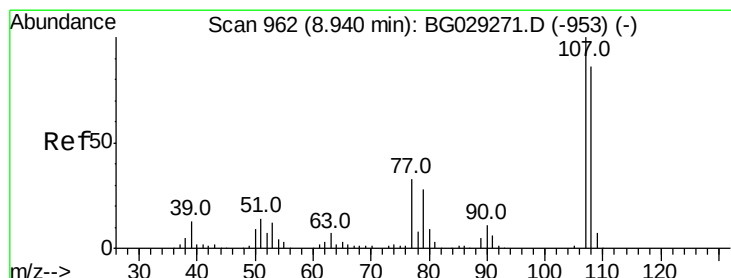
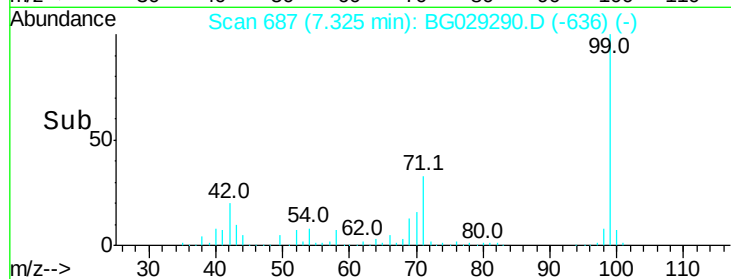
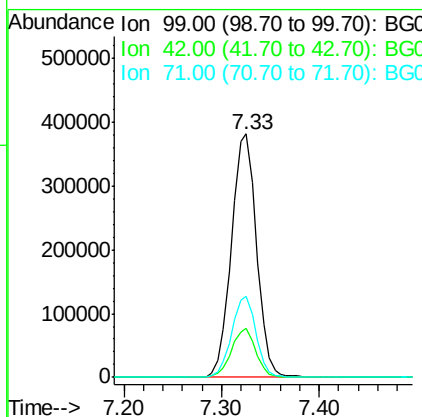
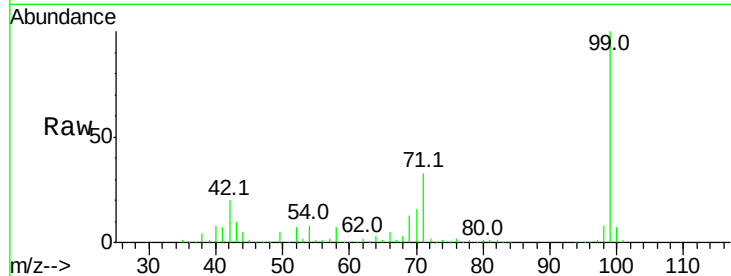
ClientSampled :

WH-TWS-01

Tot Ion:	99	Resp:	681565
Ion Ratio	Lower	Upper	
99	100		
42	19.9	14.1	21.1
71	33.5	26.1	39.1

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#20

3+4-Methylphenols

Concen: 2.277 ng

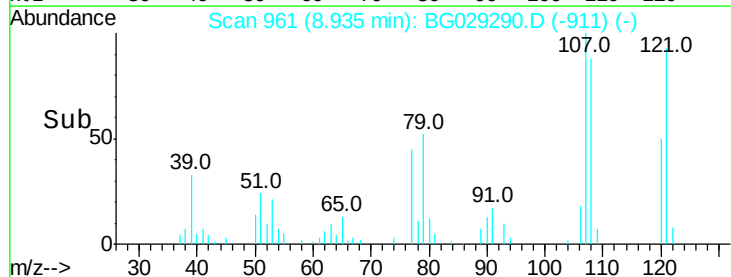
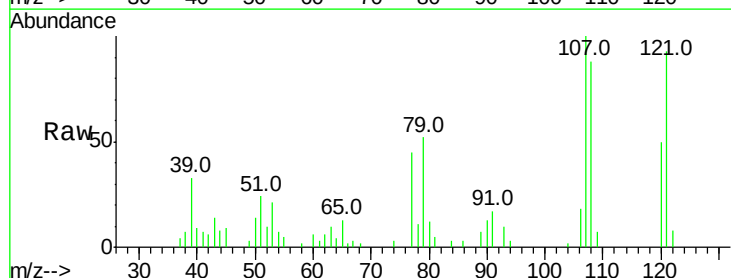
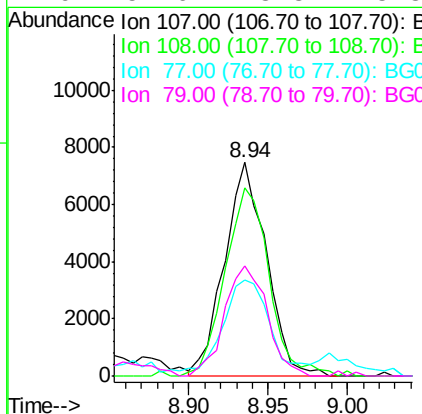
RT: 8.94 min Scan# 961

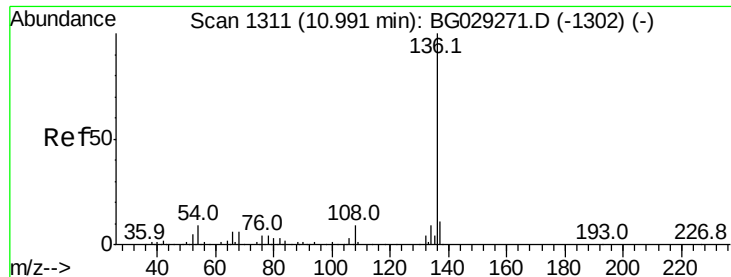
Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Tgt Ion:	107	Resp:	13747
Ion Ratio	Lower	Upper	
107	100		
108	87.8	61.6	101.6
77	45.0	13.9	53.9
79	51.6	8.8	48.8#





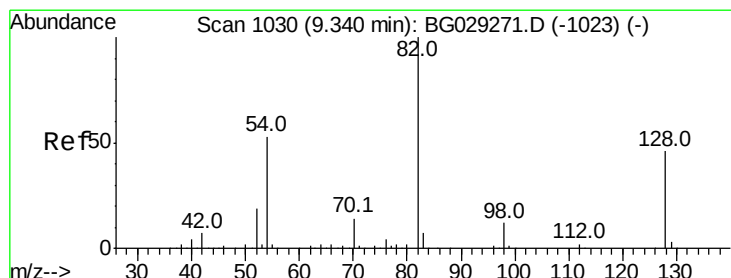
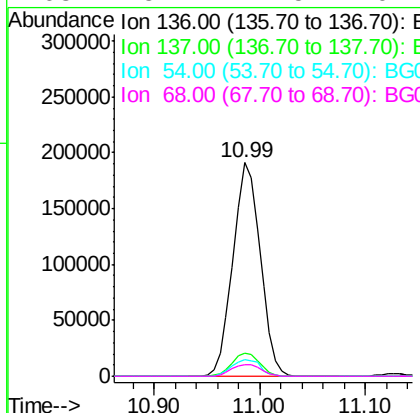
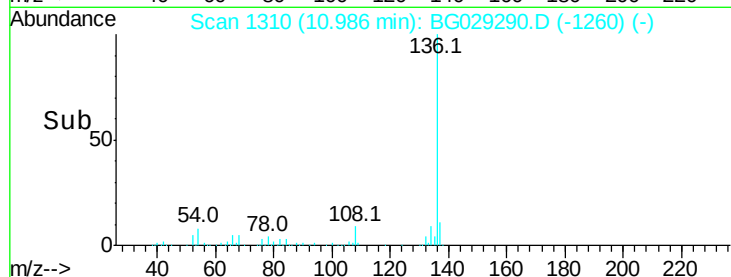
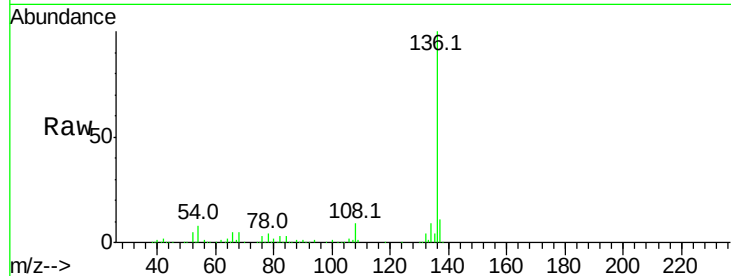
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.99 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampled :
WH-TWS-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		341952		
137	10.6	9.2	13.8		
54	7.7	10.3	15.5		
68	5.2	4.5	6.7		

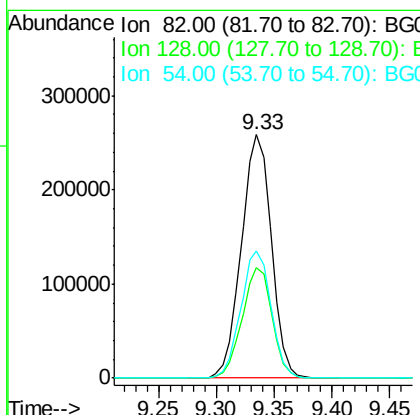
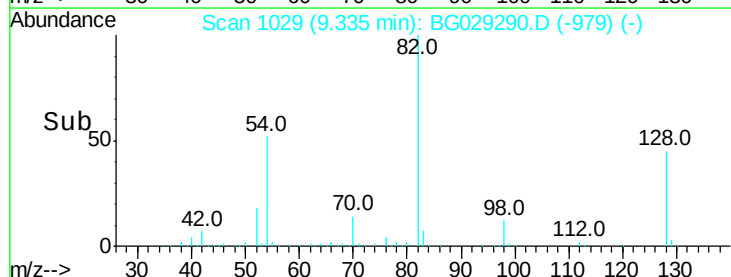
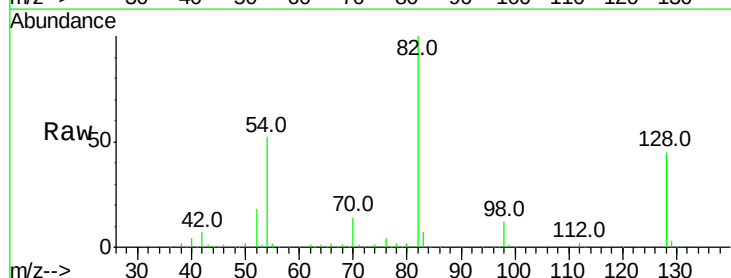
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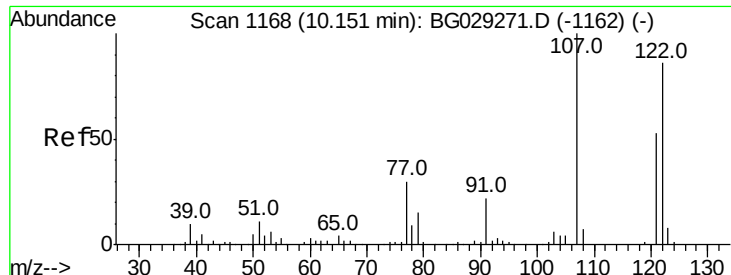
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#23
Nitrobenzene-d5
Concen: 86.681 ng
RT: 9.33 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		466439		
128	45.2	29.7	44.5		
54	52.4	43.1	64.7		





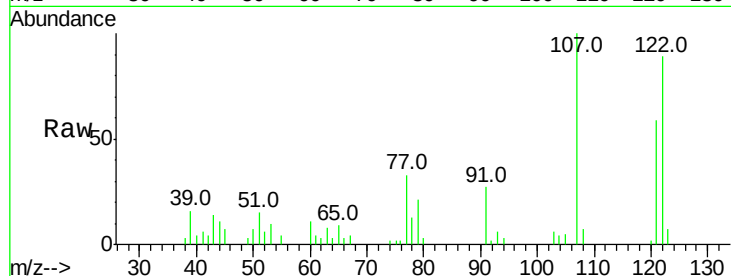
#27
2,4-Dimethylphenol
Concen: 2.671 ng
RT: 10.15 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampleId :
WH-TWS-01

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.5	100.2	150.2
121	66.0	44.4	66.6

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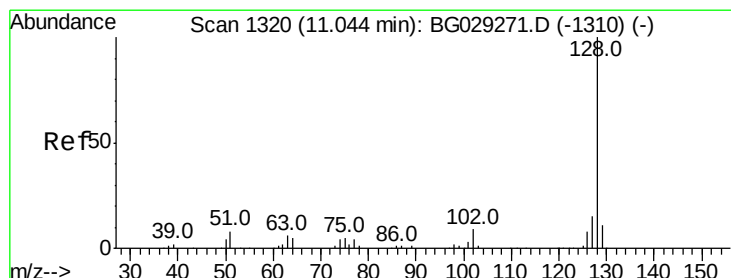
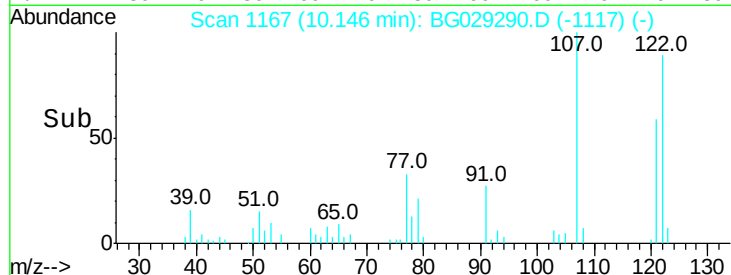
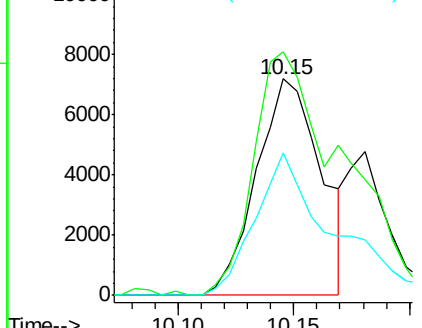


Abundance

Ion 122.00 (121.70 to 122.70): E

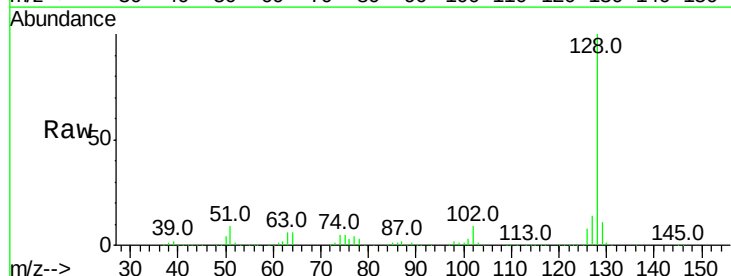
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31
Naphthalene
Concen: 47.794 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	12.8
127	13.9	11.6	17.4

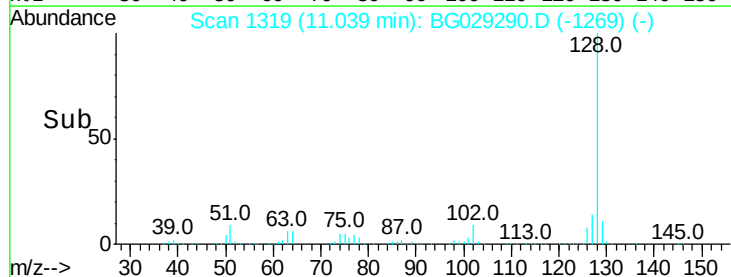
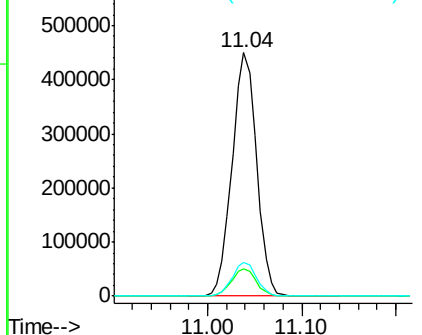


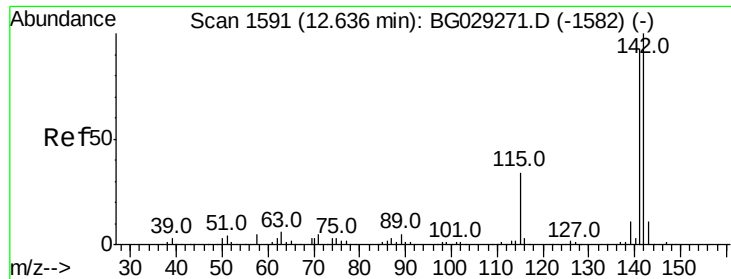
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 15.472 ng

RT: 12.63 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

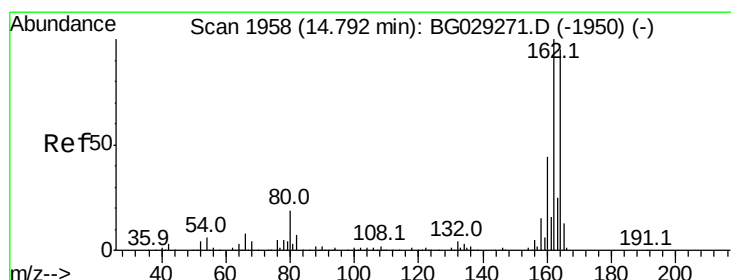
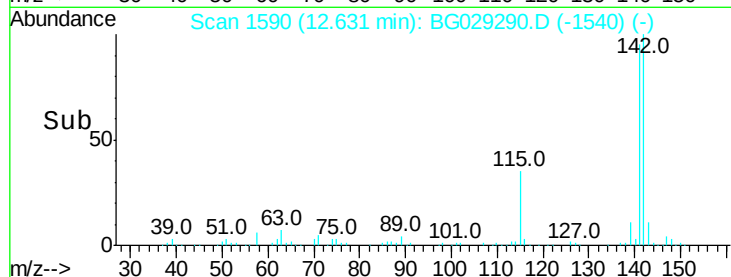
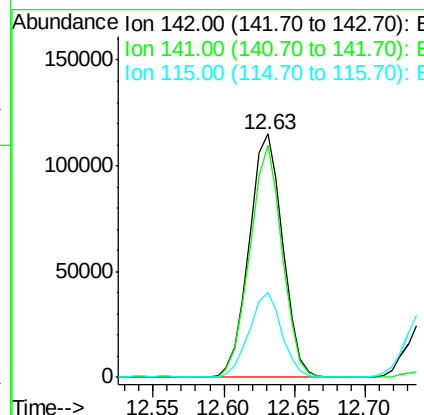
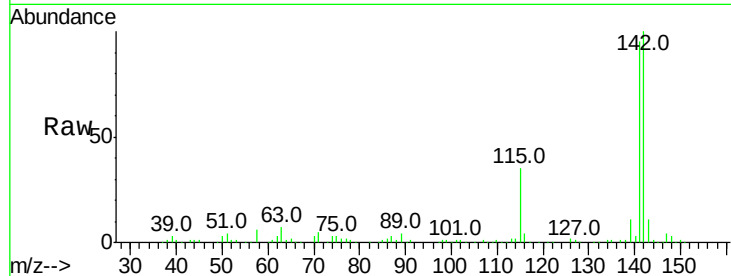
ClientSampleId :

WH-TWS-01

Tot Ion:	142	Resp:	192175
Ion Ratio	Lower	Upper	
142	100		
141	95.2	67.1	100.7
115	34.6	30.7	46.1

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#38

Acenaphthene-d10

Concen: 20.000 ng

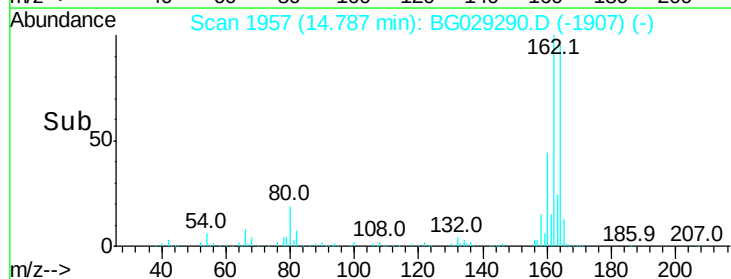
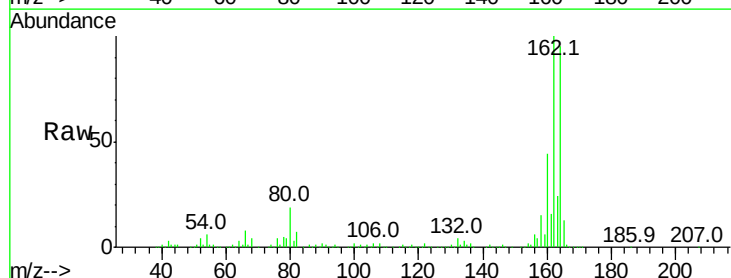
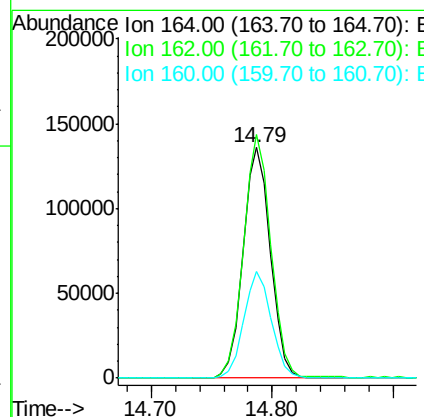
RT: 14.79 min Scan# 1957

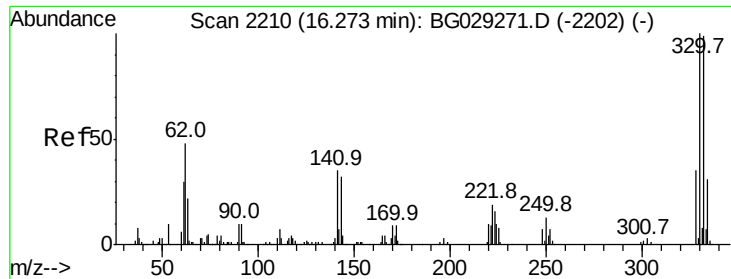
Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Tgt Ion:	164	Resp:	214222
Ion Ratio	Lower	Upper	
164	100		
162	105.7	78.8	118.2
160	46.5	35.4	53.0





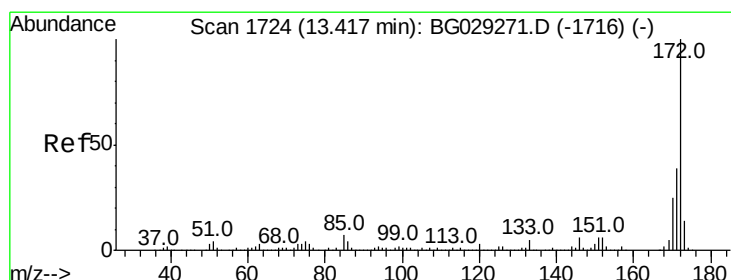
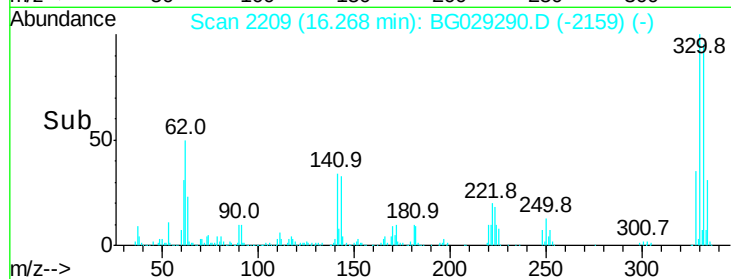
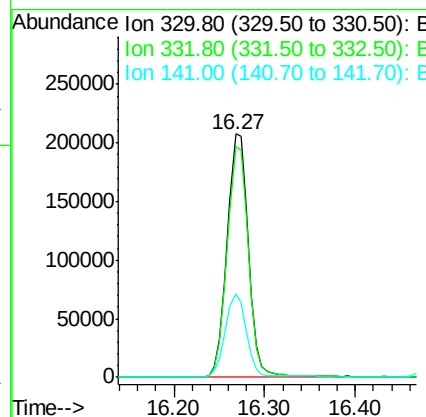
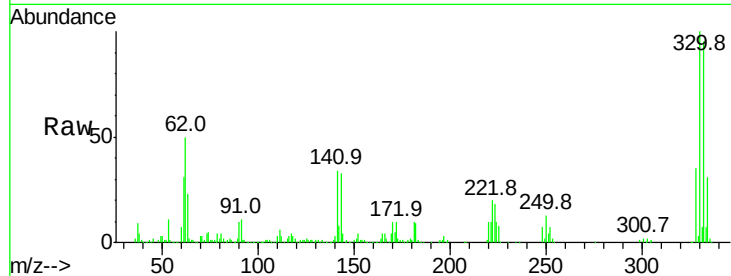
#41
 2,4,6-Tribromophenol
 Concen: 122.894 ng
 RT: 16.27 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-01

Tot Ion	Ratio	Resp	Lower	Upper
330	100	339904		
332	94.0	77.0	115.6	
141	32.9	25.2	37.8	

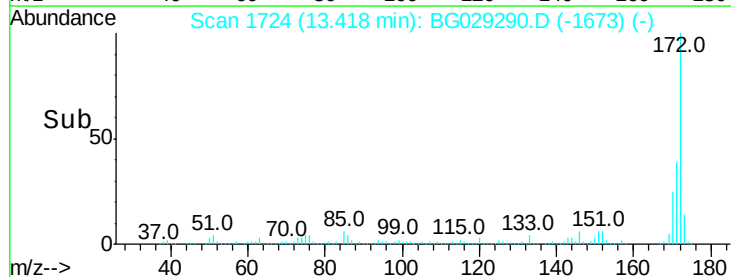
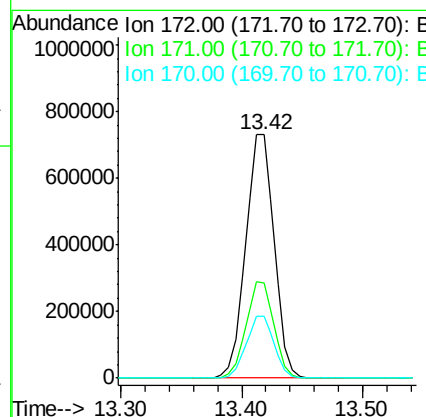
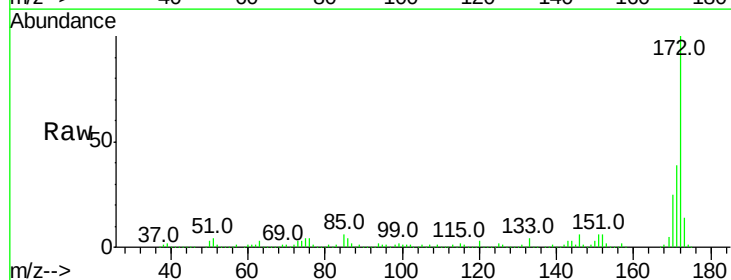
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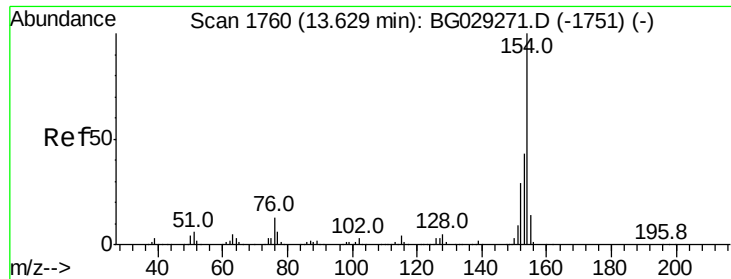
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#44
 2-Fluorobiphenyl
 Concen: 82.080 ng
 RT: 13.42 min Scan# 1724
 Delta R.T. 0.00 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1198870		
171	39.2	30.0	45.0	
170	25.3	19.5	29.3	





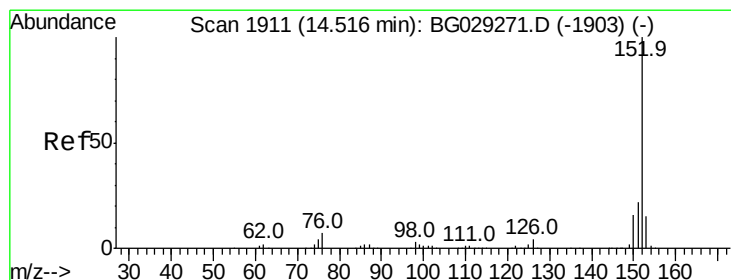
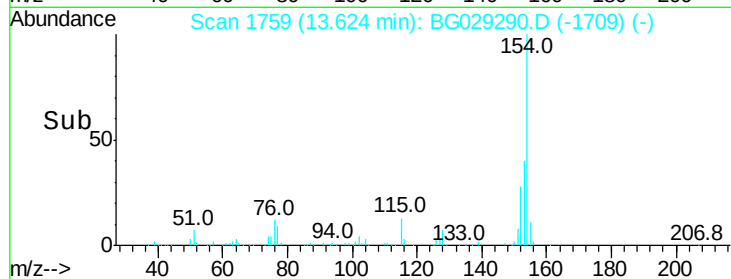
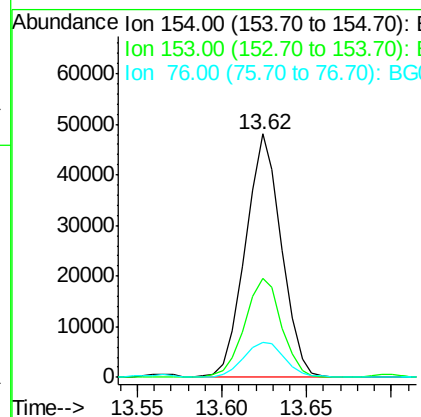
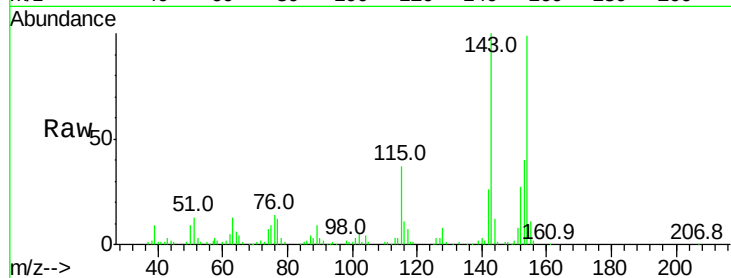
#45
 1,1'-Biphenyl
 Concen: 3.872 ng
 RT: 13.62 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-01

Tot Ion:	154	Resp:	71302
Ion Ratio	Lower	Upper	
154	100		
153	40.5	19.8	59.8
76	14.5	0.0	31.9

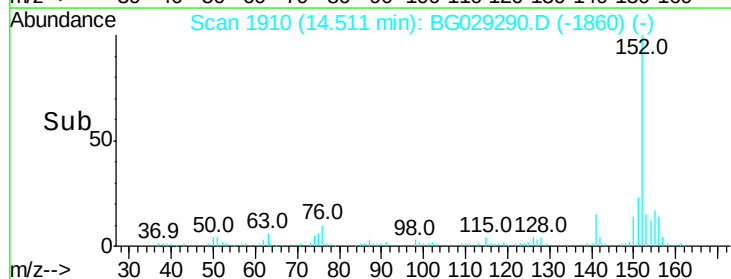
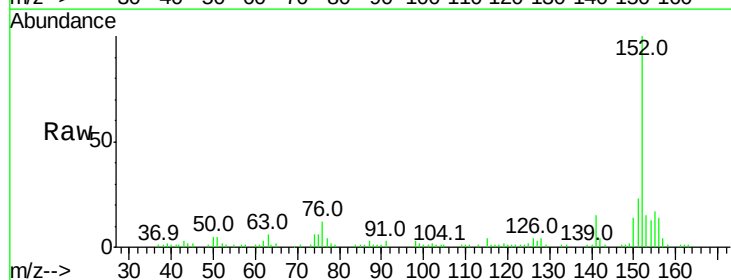
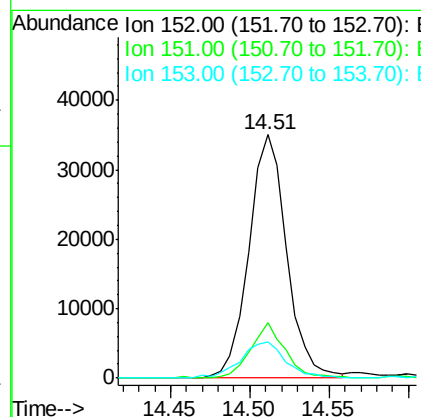
Manual Integrations
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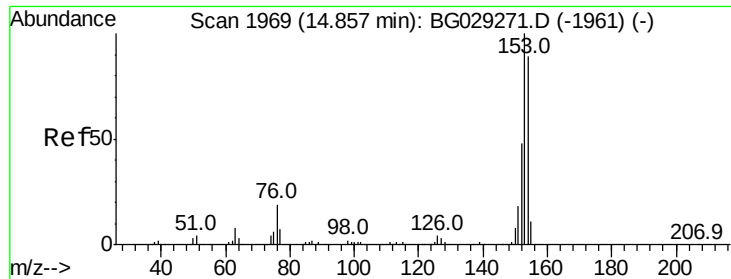
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#48
 Acenaphthylene
 Concen: 2.759 ng
 RT: 14.51 min Scan# 1910
 Delta R.T. -0.01 min
 Lab File: BG029290.D
 Acq: 17 Oct 2017 3:24

Tgt Ion:	152	Resp:	57998
Ion Ratio	Lower	Upper	
152	100		
151	22.6	17.2	25.8
153	14.7	10.2	15.4





#51

Acenaphthene

Concen: 27.192 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

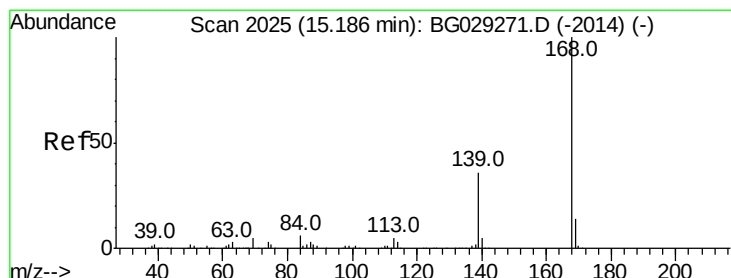
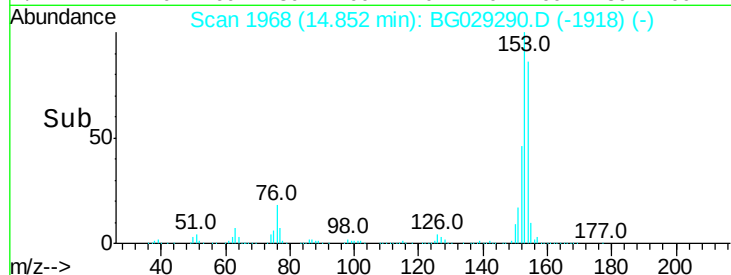
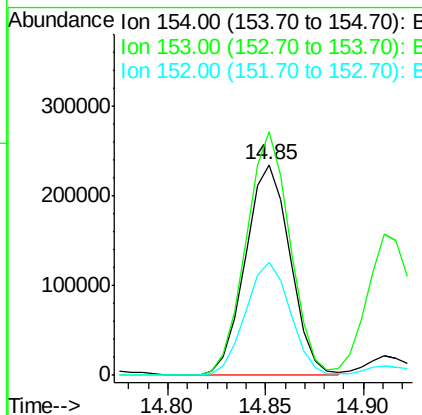
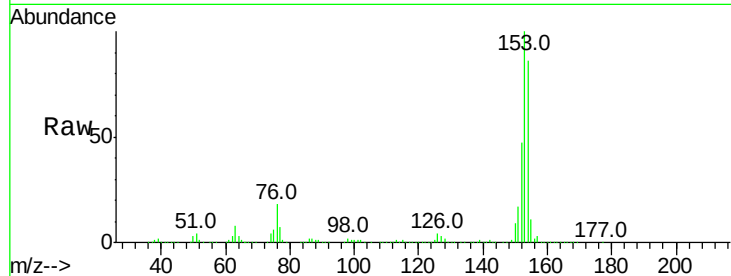
ClientSampleId :

WH-TWS-01

Tot Ion:	154	Resp:	371885
Ion Ratio	Lower	Upper	
154	100		
153	115.8	90.4	135.6
152	53.9	41.6	62.4

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#54

Dibenzofuran

Concen: 21.881 ng

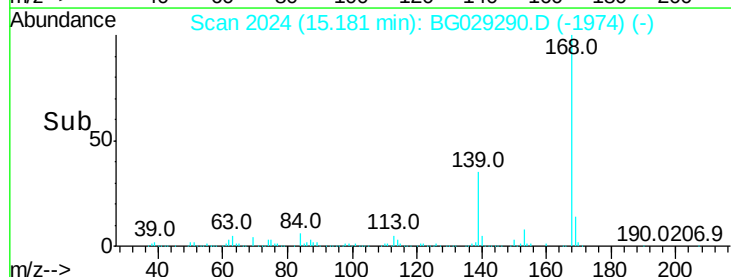
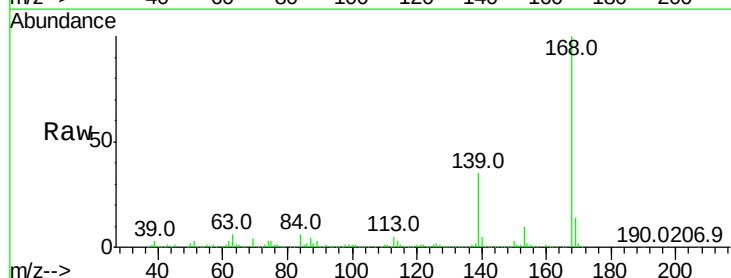
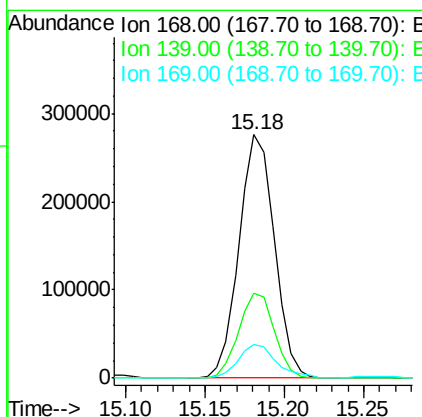
RT: 15.18 min Scan# 2024

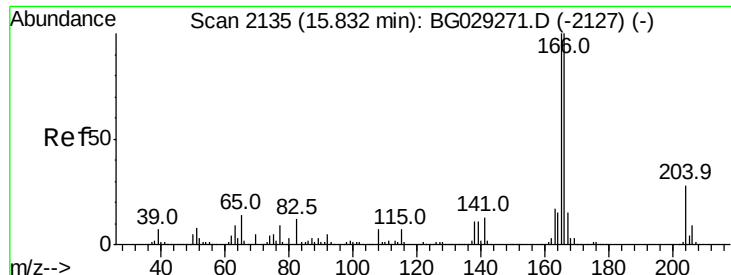
Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Tgt Ion:	168	Resp:	427191
Ion Ratio	Lower	Upper	
168	100		
139	34.9	28.6	43.0
169	13.6	11.2	16.8





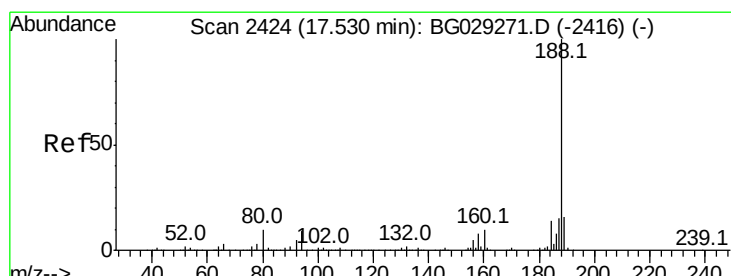
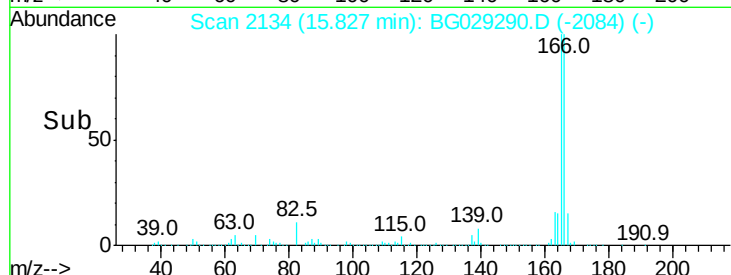
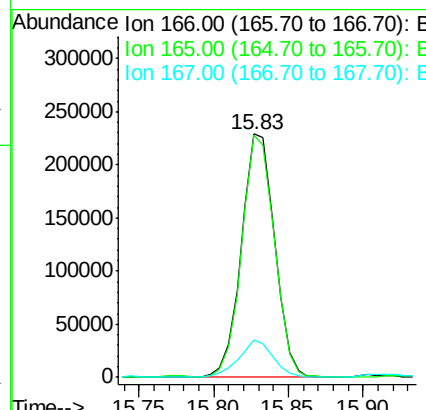
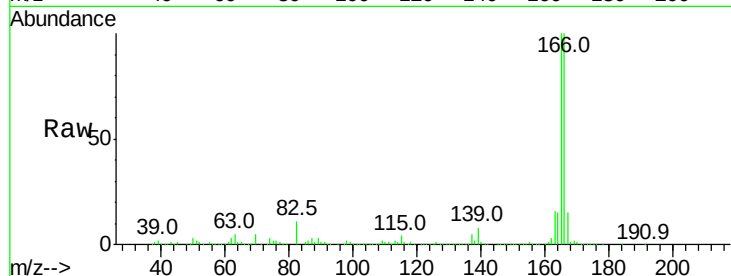
#57
Fluorene
Concen: 21.808 ng
RT: 15.83 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampleId :
WH-TWS-01

Tot Ion	Ratio	Resp	Lower	Upper
166	100	351728		
165	99.8	80.6	121.0	
167	15.2	10.4	15.6	

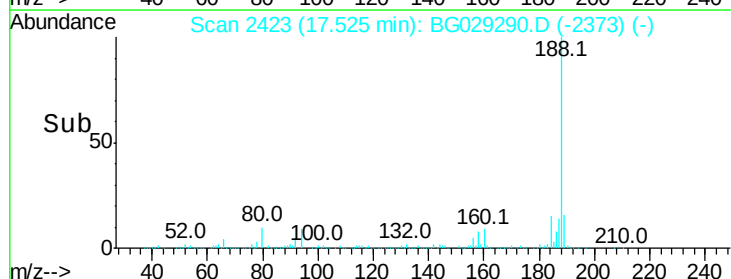
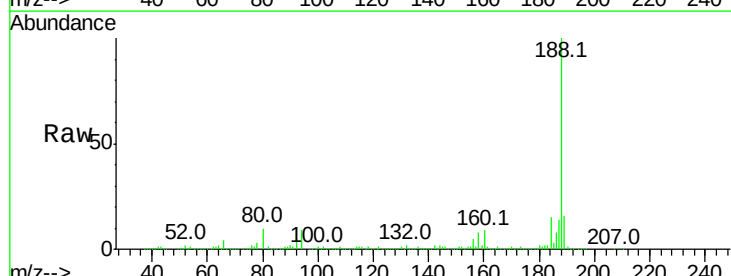
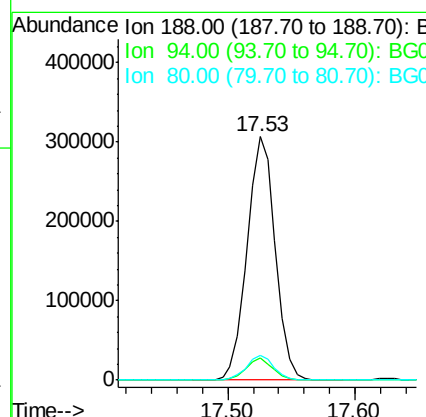
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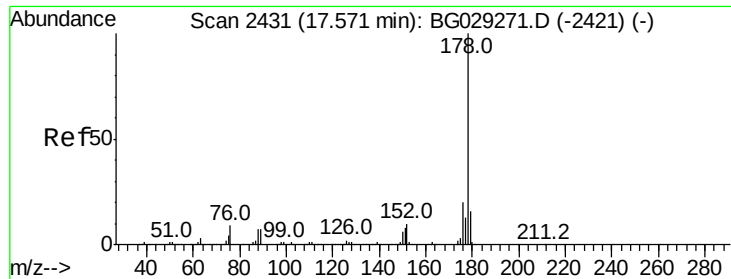
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	470970		
94	9.1	6.9	10.3	
80	10.2	7.7	11.5	





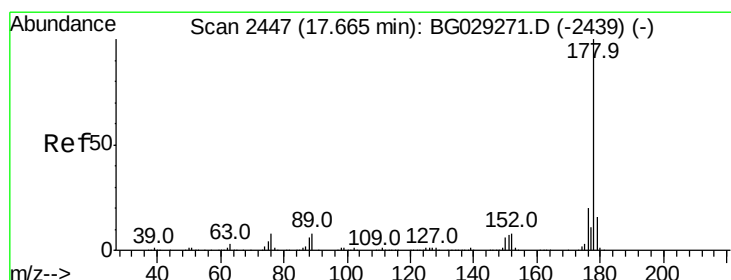
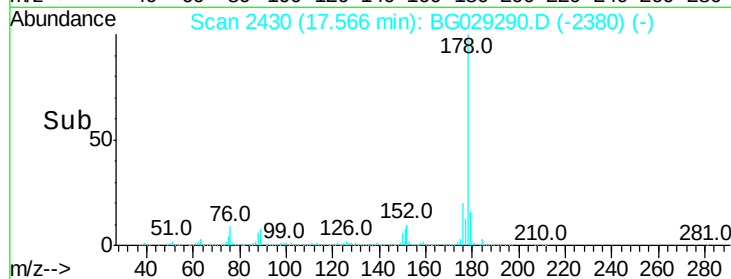
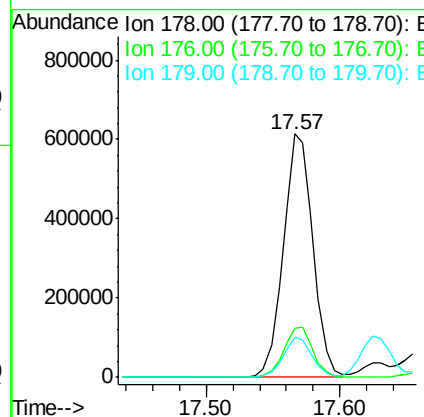
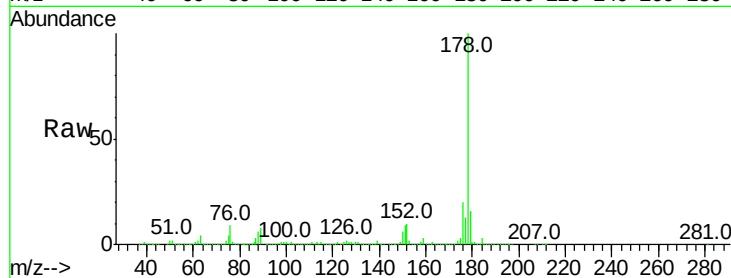
#70
Phenanthrene
Concen: 38.740 ng
RT: 17.57 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampleId :
WH-TWS-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	16.4	12.5	18.7

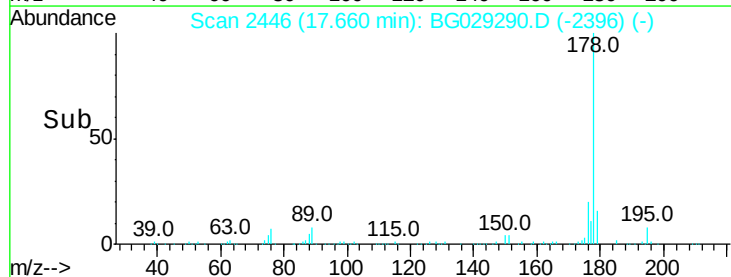
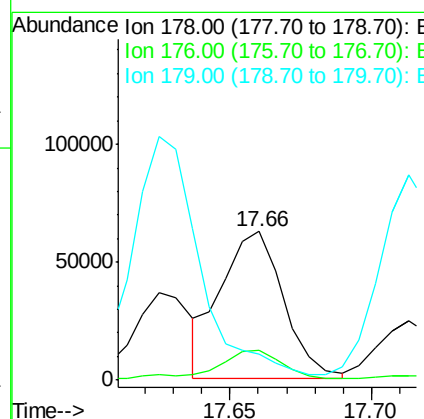
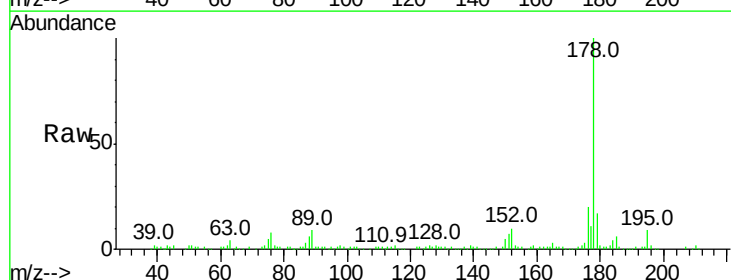
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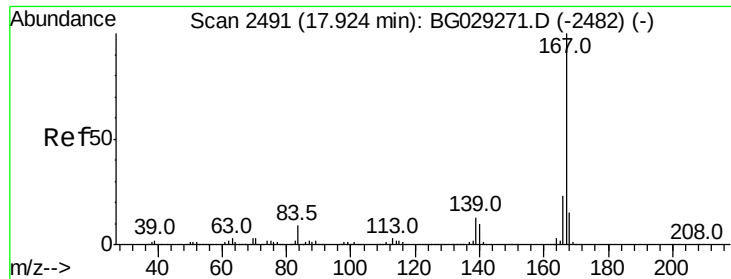
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#71
Anthracene
Concen: 3.926 ng
RT: 17.66 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.0	24.0
179	17.2	12.5	18.7





#72

Carbazole

Concen: 28.062 ng

RT: 17.92 min Scan# 2491

Delta R.T. 0.00 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

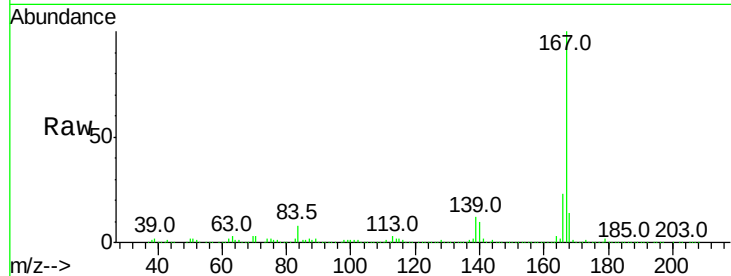
ClientSampleId :

WH-TWS-01

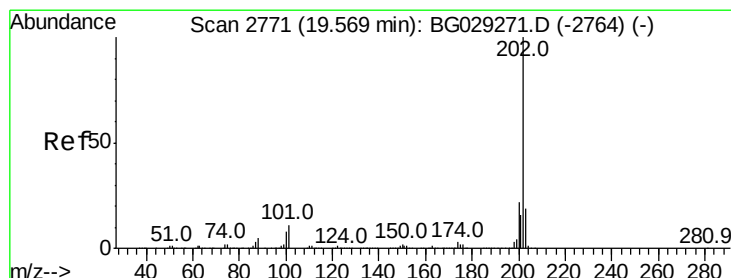
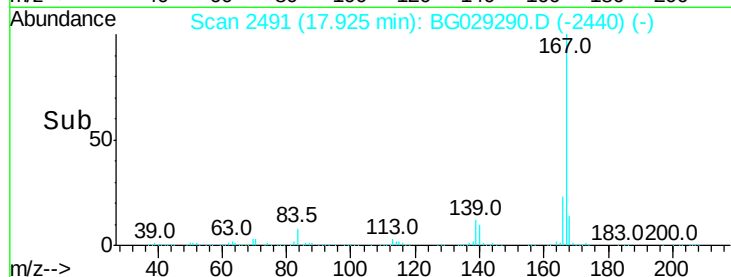
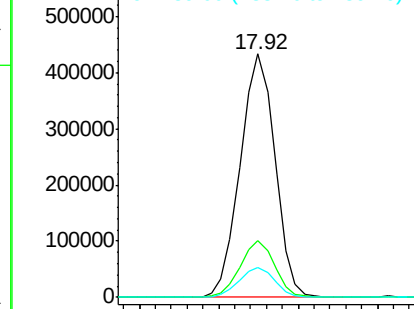
Tot Ion:	167	Resp:	658580
Ion Ratio	Lower	Upper	
167	100		
166	23.2	18.2	27.4
139	12.5	9.4	14.2

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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: 13.216 ng

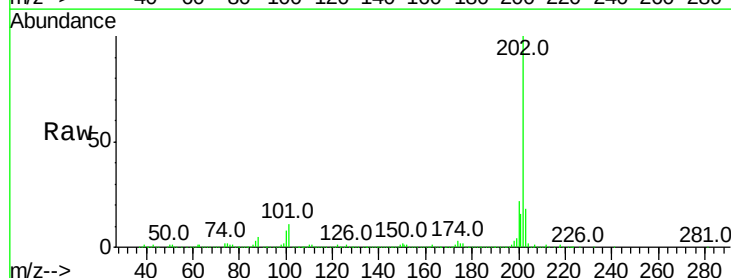
RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

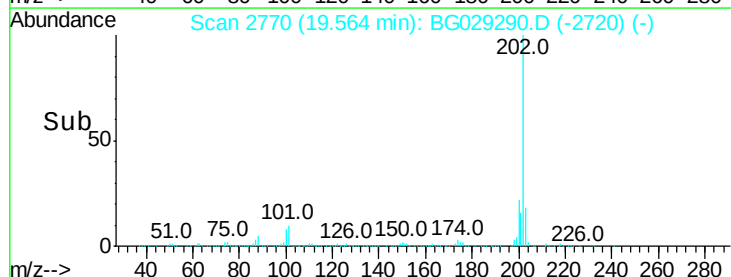
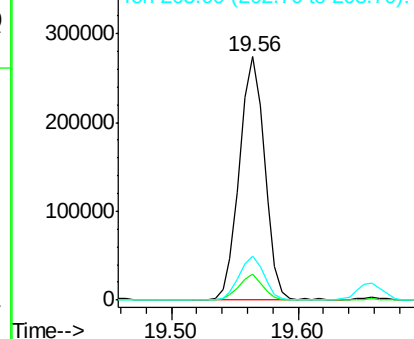
Lab File: BG029290.D

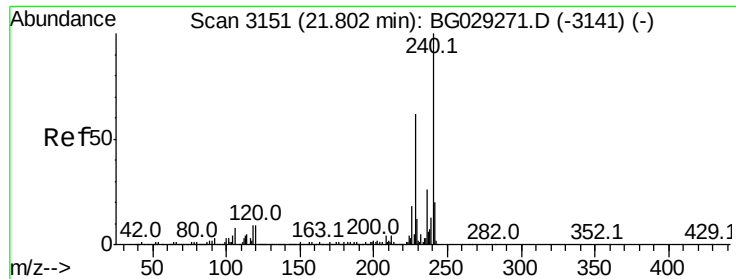
Acq: 17 Oct 2017 3:24

Tgt Ion:	202	Resp:	376088
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	28.9
203	18.0	0.0	37.5



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. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

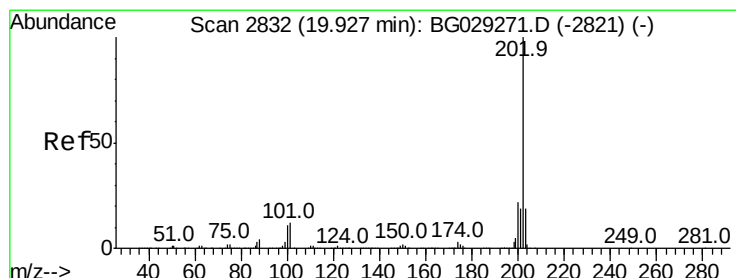
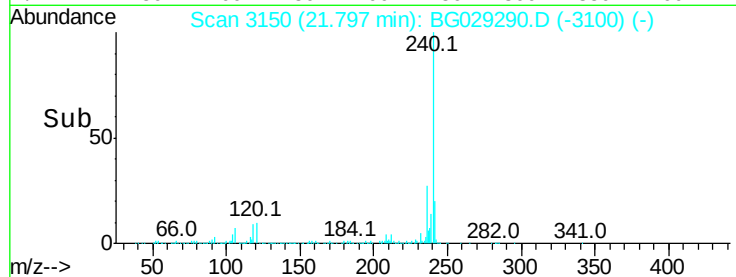
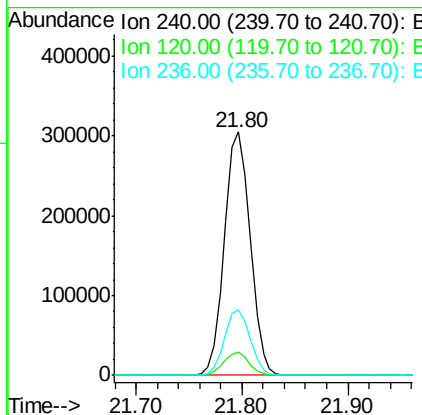
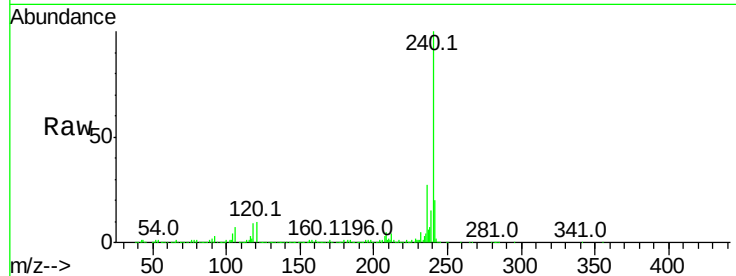
ClientSampleId :

WH-TWS-01

Tot Ion:	240	Resp:	515810
Ion Ratio	Lower	Upper	
240	100		
120	9.6	6.8	10.2
236	26.9	20.9	31.3

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#77

Pyrene

Concen: 8.608 ng

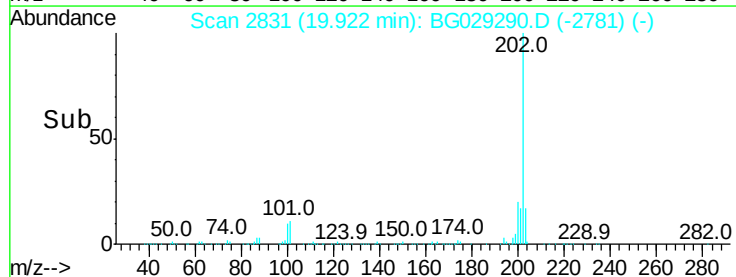
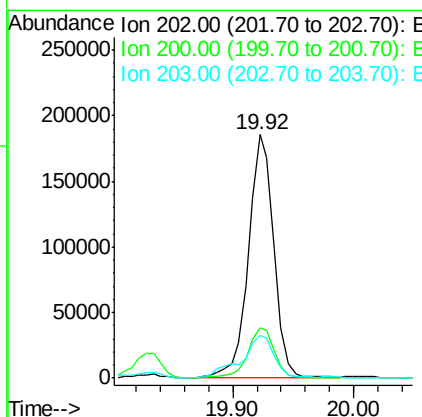
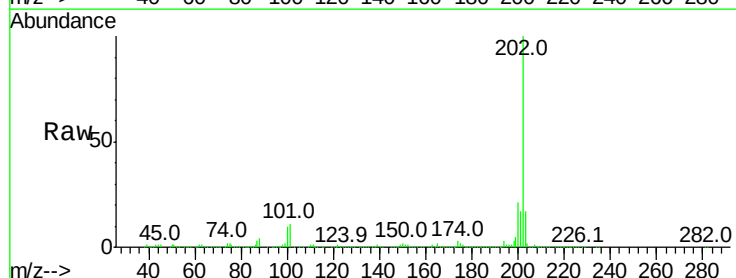
RT: 19.92 min Scan# 2831

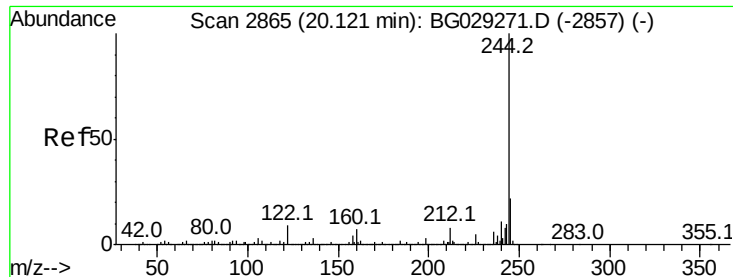
Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Tgt Ion:	202	Resp:	269333
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.9	25.3
203	17.3	13.9	20.9





#78

Terphenyl-d14

Concen: 77.598 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

Instrument :

BNA_G

ClientSampleId :

WH-TWS-01

Tot Ion:244 Resp: 1759430

Ion Ratio Lower Upper

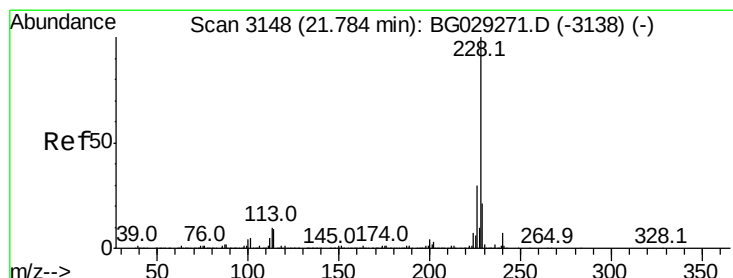
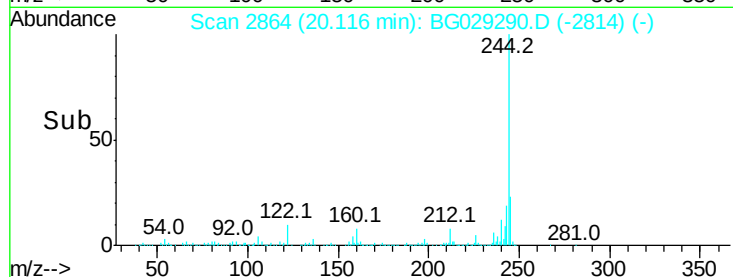
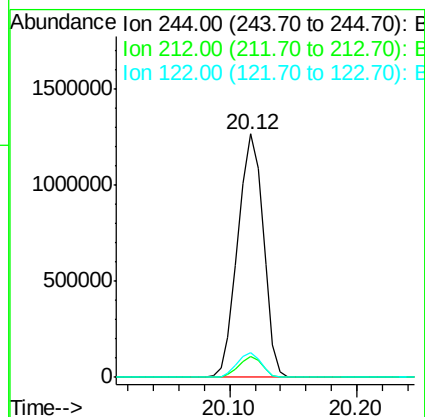
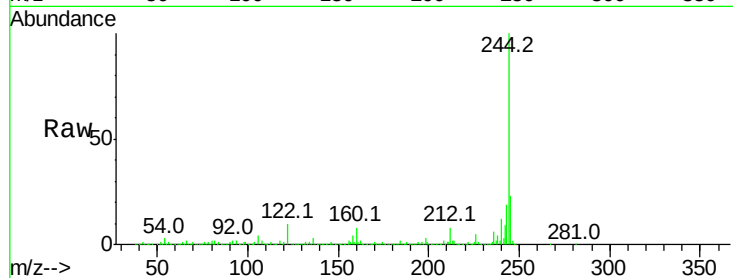
244 100

212 8.5 5.8 8.8

122 10.2 7.0 10.4

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#80

Benzo(a)anthracene

Concen: 2.036 ng m

RT: 21.78 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BG029290.D

Acq: 17 Oct 2017 3:24

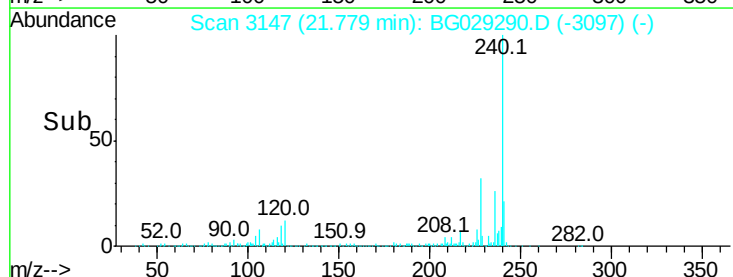
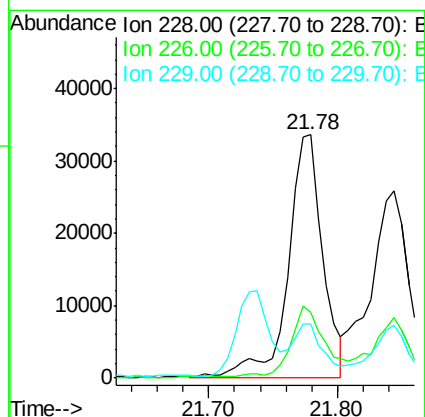
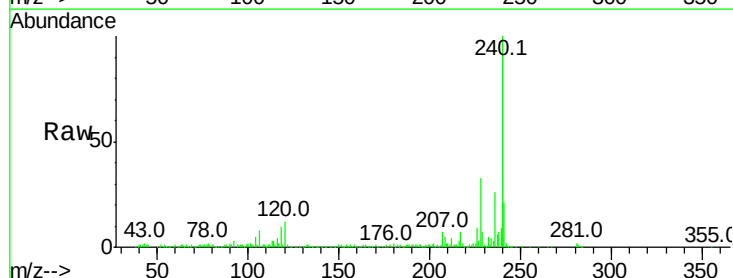
Tgt Ion:228 Resp: 61645

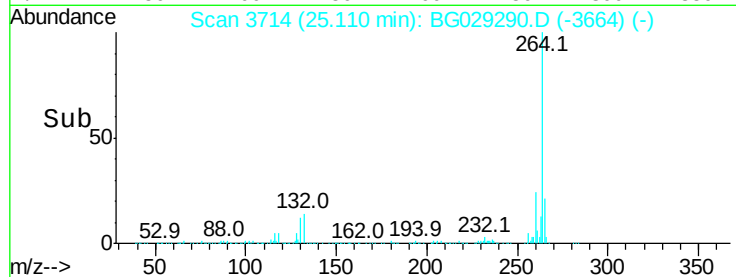
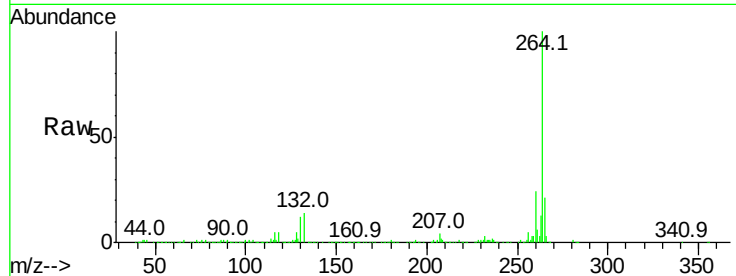
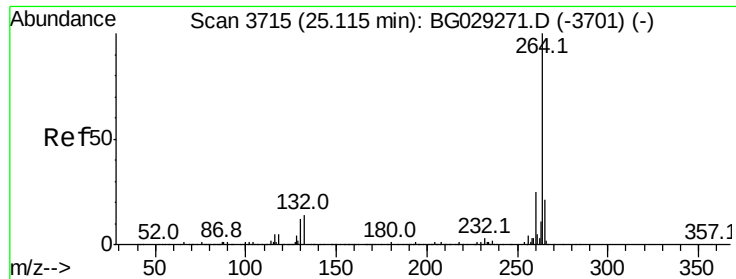
Ion Ratio Lower Upper

228 100

226 27.0 22.7 34.1

229 22.0 16.2 24.2





#86
Pervlene-d12
Concen: 20.000 ng
RT: 25.11 min Scan# 3714
Delta R.T. -0.01 min
Lab File: BG029290.D
Acq: 17 Oct 2017 3:24

Instrument :
BNA_G
ClientSampleId :
WH-TWS-01

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.4	17.4	26.0
265	21.3	17.7	26.5

Manual Integrations
APPROVED

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