

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
 Data File : BG029299.D
 Acq On : 17 Oct 2017 9:19
 Operator : SJ/JU
 Sample : I5906-20
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-10

Manual Integrations
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Quant Time: Oct 17 15:07:20 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	69055	20.00	ng	0.00
21) Naphthalene-d8	10.99	136	336519	20.00	ng	0.00
38) Acenaphthene-d10	14.79	164	213998	20.00	ng	0.00
63) Phenanthrene-d10	17.53	188	476653	20.00	ng	0.00
75) Chrysene-d12	21.80	240	517354	20.00	ng	0.00
86) Perylene-d12	25.11	264	536257	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.72	112	604446	146.23	ng	0.00
7) Phenol-d6	7.32	99	754504	130.04	ng	0.00
23) Nitrobenzene-d5	9.33	82	560718	105.88	ng	0.00
41) 2,4,6-Tribromophenol	16.27	330	442276	160.07	ng	0.00
44) 2-Fluorobiphenyl	13.42	172	1389690	95.24	ng	0.00
78) Terphenyl-d14	20.12	244	1988350	87.43	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.35	94	15001	2.398	ng	# 74
20) 3+4-Methylphenols	8.94	107	13517	2.309	ng	# 43
27) 2,4-Dimethylphenol	10.15	122	19139	3.717	ng	85
31) Naphthalene	11.04	128	1302628	77.669	ng	98
32) Benzoic acid	10.25	122	30298	7.028	ng	91
37) 2-Methylnaphthalene	12.63	142	401428	32.841	ng	92
45) 1,1'-Biphenyl	13.62	154	115502	6.279	ng	97
48) Acenaphthylene	14.51	152	92985	4.428	ng	# 93
51) Acenaphthene	14.85	154	379975	27.813	ng	98
54) Dibenzofuran	15.19	168	620673	31.824	ng	99
57) Fluorene	15.83	166	384032	23.836	ng	96
70) Phenanthrene	17.57	178	997383	40.504	ng	98
71) Anthracene	17.63	178	214857m	8.690	ng	
72) Carbazole	17.93	167	1186596	49.958	ng	97
74) Fluoranthene	19.56	202	213616	7.417	ng	99
77) Pyrene	19.92	202	131332	4.185	ng	98

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

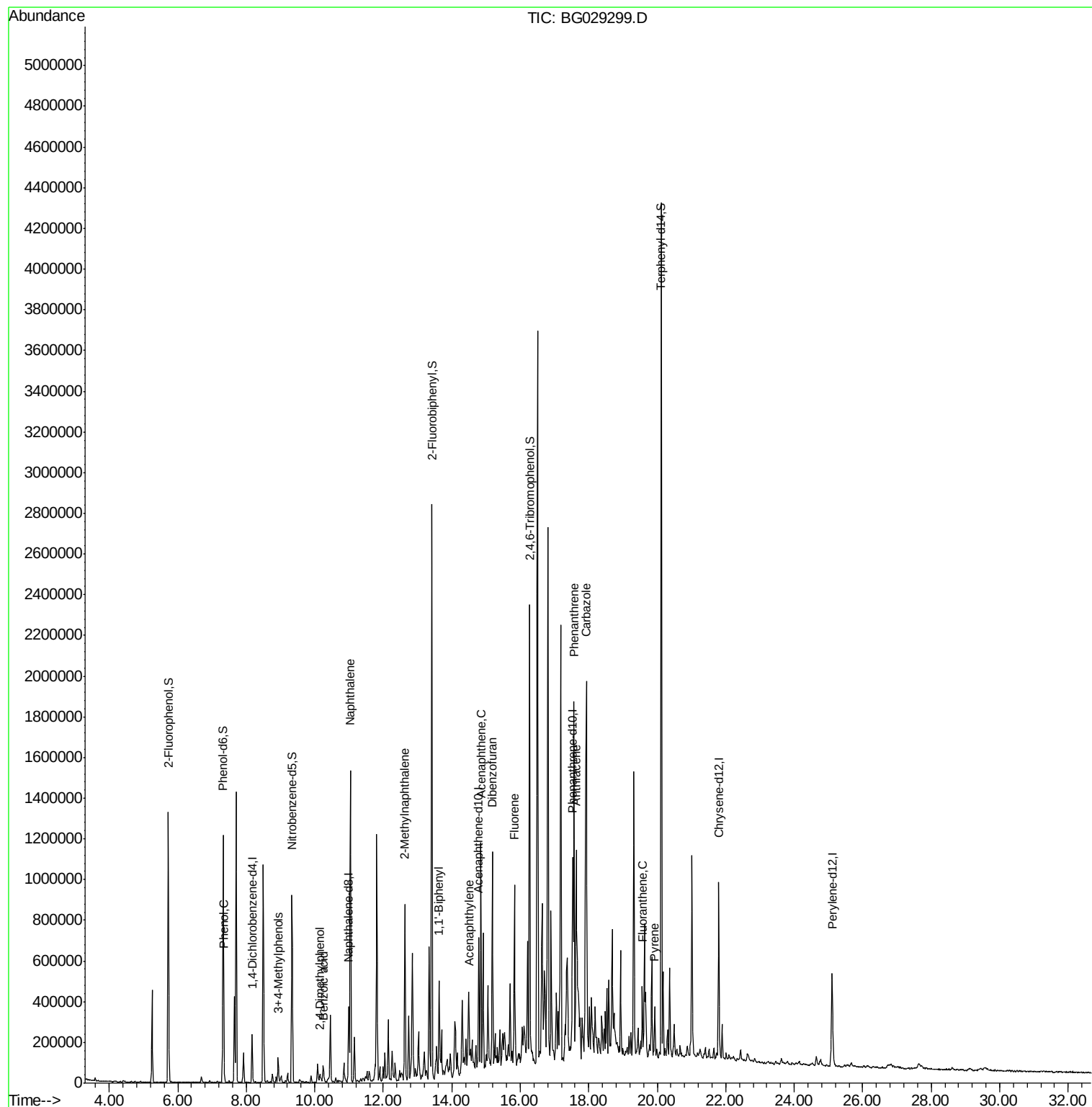
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101617\
Data File : BG029299.D
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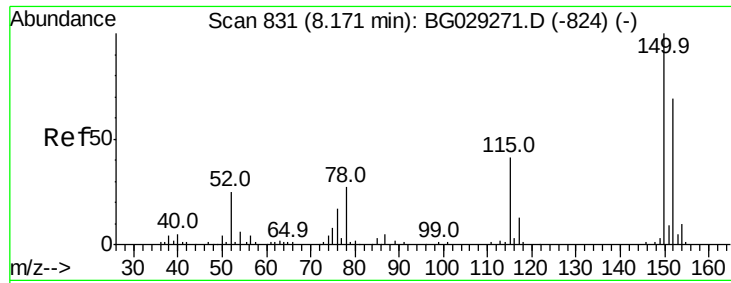
Instrument :
BNA_G
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Quant Time: Oct 17 15:07:20 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

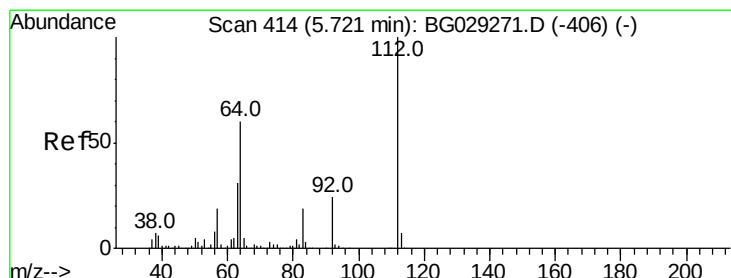
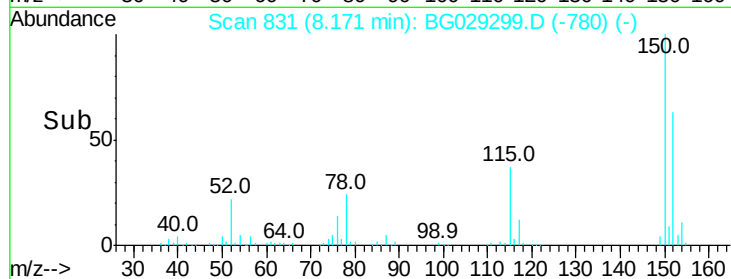
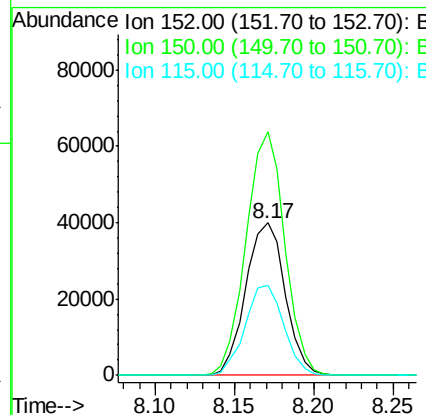
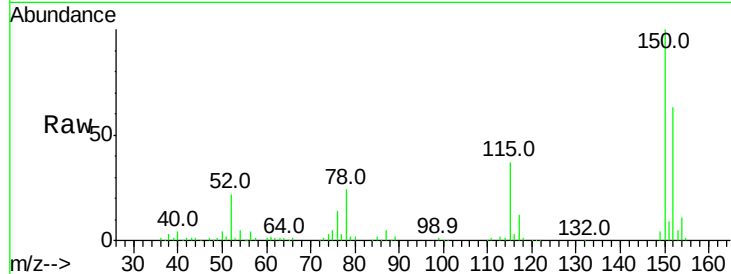
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.17 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG029299.D
Acq: 17 Oct 2017 9:19

Instrument :
BNA_G
ClientSampleId :
WH-TWS-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.6	189.8
115	58.8	53.0	79.4

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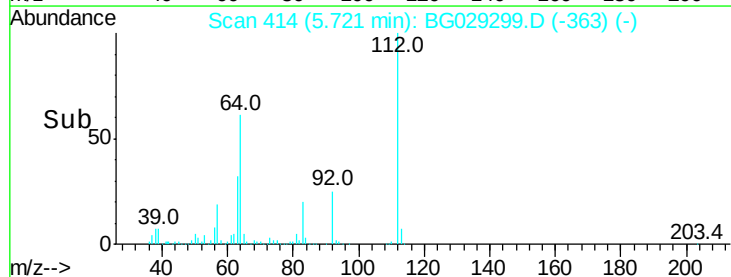
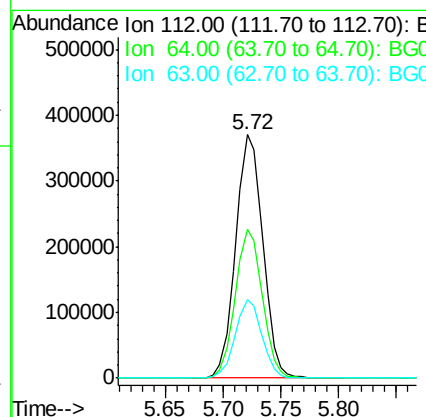
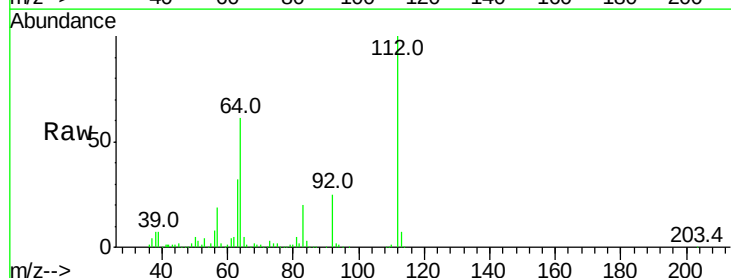
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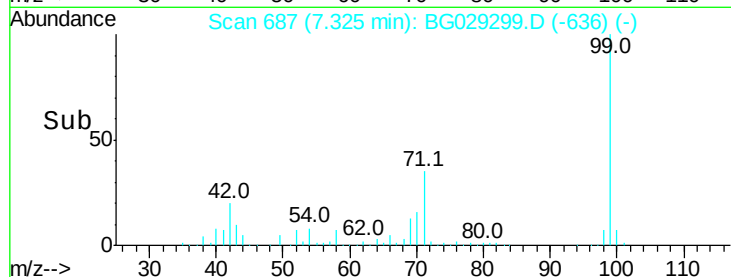
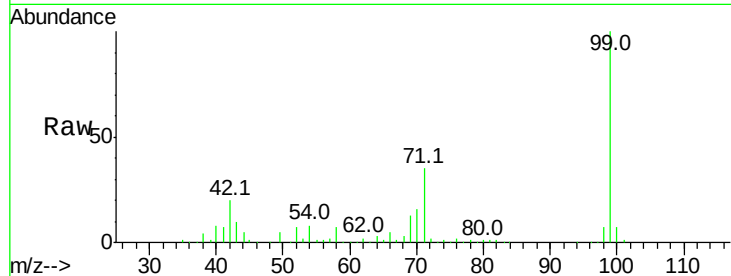
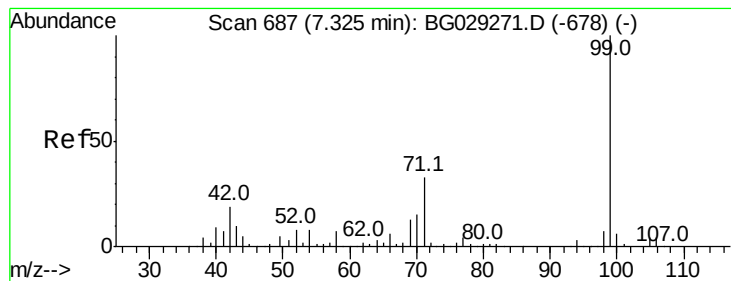


#5

2-Fluorophenol
Concen: 146.225 ng
RT: 5.72 min Scan# 414
Delta R.T. 0.00 min
Lab File: BG029299.D
Acq: 17 Oct 2017 9:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	56.3	84.5
63	32.0	30.1	45.1





#7

Phenol-d6

Concen: 130.037 ng

RT: 7.32 min Scan# 687

Delta R.T. 0.00 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Tot Ion:	99	Resp:	754504
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.1	21.1
71	34.8	26.1	39.1

Instrument :

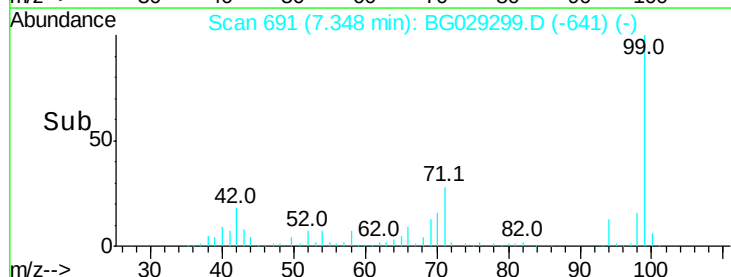
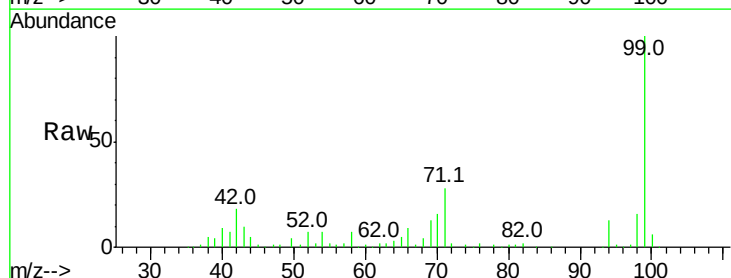
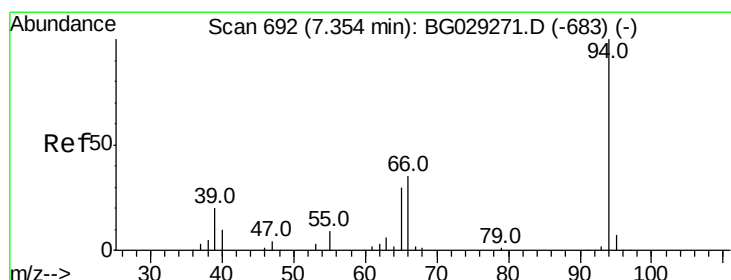
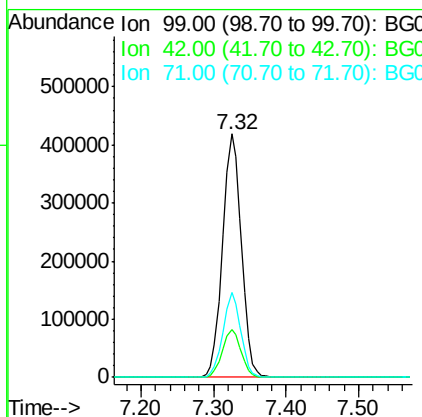
BNA_G

ClientSampled :

WH-TWS-10

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#10

Phenol

Concen: 2.398 ng

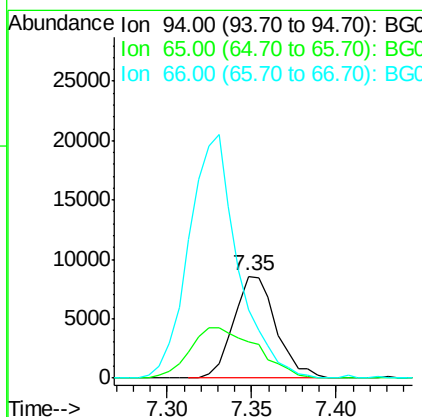
RT: 7.35 min Scan# 691

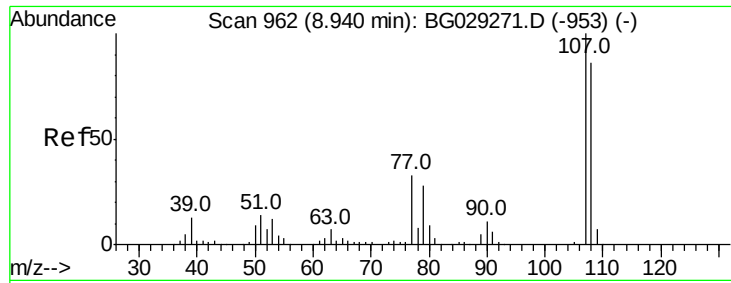
Delta R.T. -0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Tgt Ion:	94	Resp:	15001
Ion Ratio	Lower	Upper	
94	100		
65	35.4	11.9	51.9
66	67.8	22.2	62.2#





#20

3+4-Methylphenols

Concen: 2.309 ng

RT: 8.94 min Scan# 962

Delta R.T. 0.00 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Instrument :

BNA_G

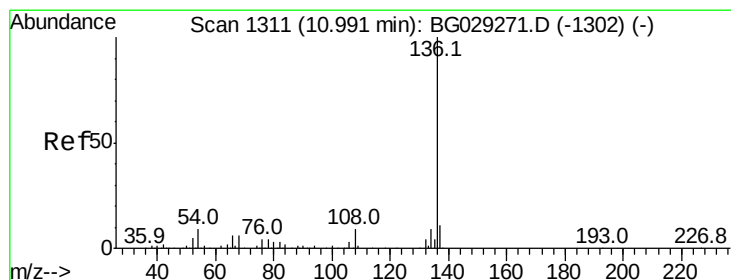
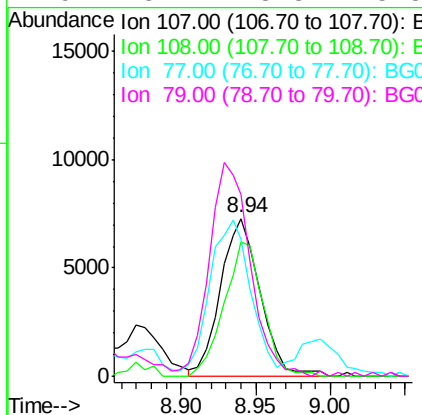
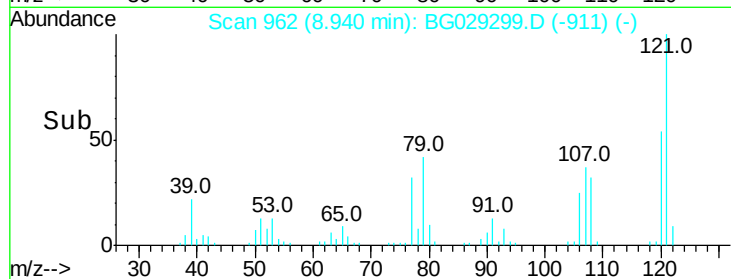
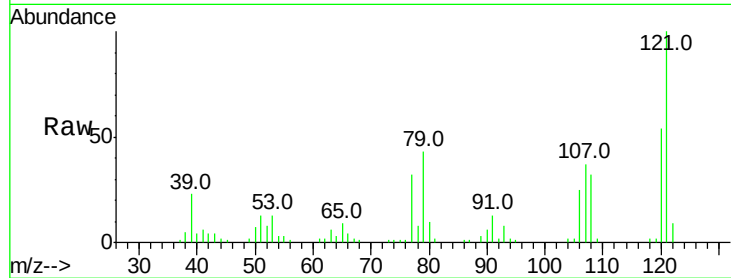
ClientSampled :

WH-TWS-10

Tot Ion	Ratio	Resp	Lower	Upper
107	100	13517		
108	85.5	61.6	101.6	
77	87.0	13.9	53.9#	
79	115.1	8.8	48.8#	

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#21

Naphthalene-d8

Concen: 20.000 ng

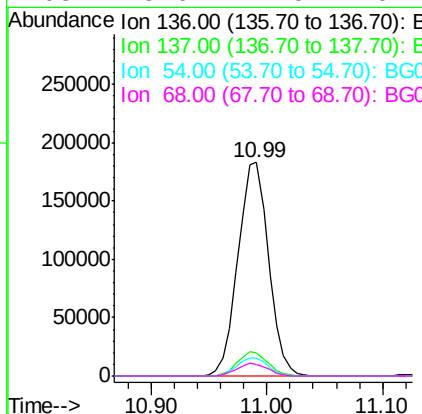
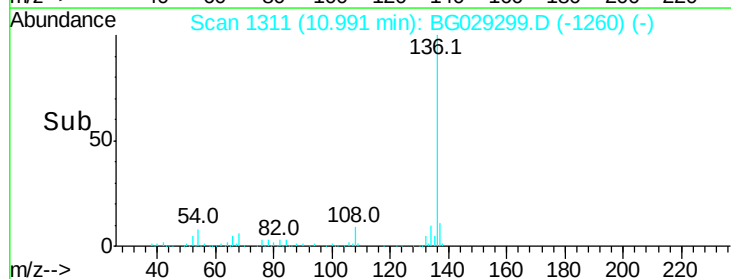
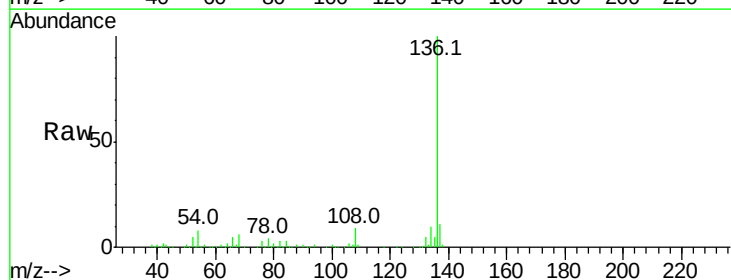
RT: 10.99 min Scan# 1311

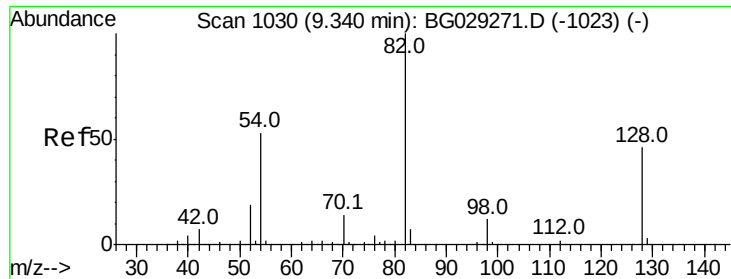
Delta R.T. 0.00 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	336519		
137	11.0	9.2	13.8	
54	8.4	10.3	15.5#	
68	5.6	4.5	6.7	





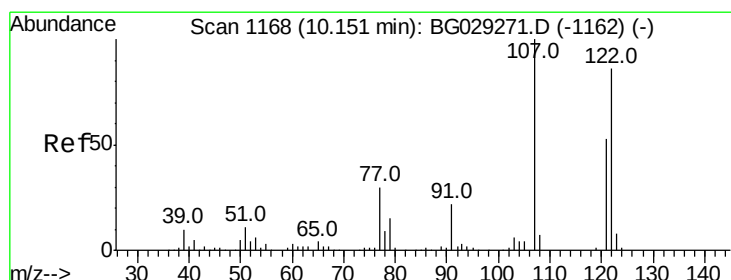
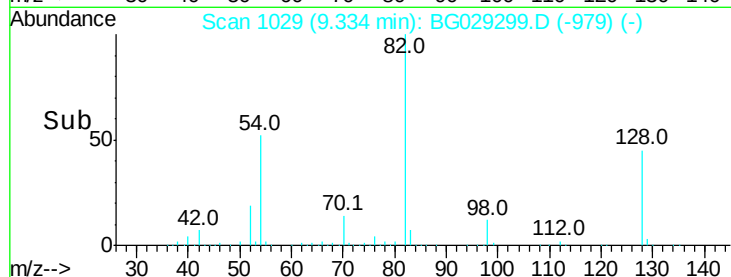
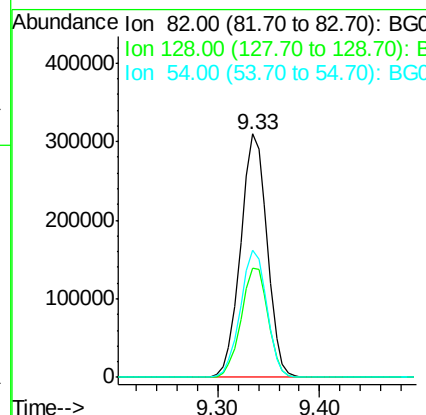
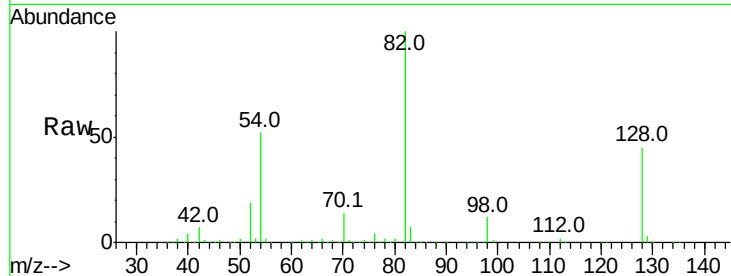
#23
 Nitrobenzene-d5
 Concen: 105.884 ng
 RT: 9.33 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BG029299.D
 Acq: 17 Oct 2017 9:19

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-10

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.9	29.7	44.5#	
54	52.3	43.1	64.7	

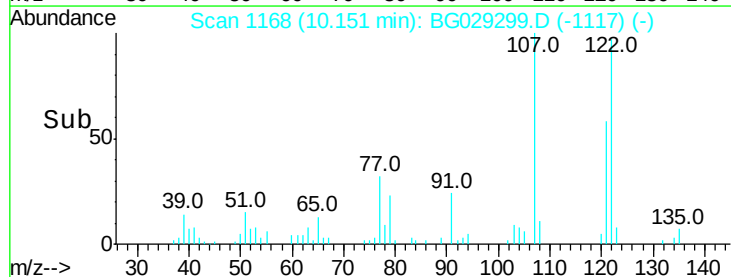
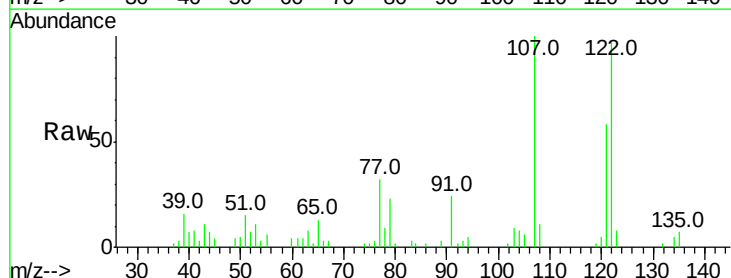
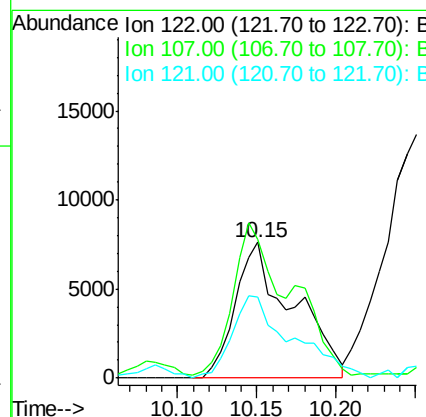
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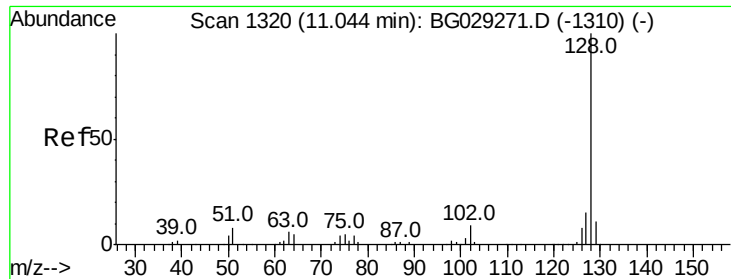
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#27
 2,4-Dimethylphenol
 Concen: 3.717 ng
 RT: 10.15 min Scan# 1168
 Delta R.T. 0.00 min
 Lab File: BG029299.D
 Acq: 17 Oct 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	102.7	100.2	150.2	
121	59.4	44.4	66.6	





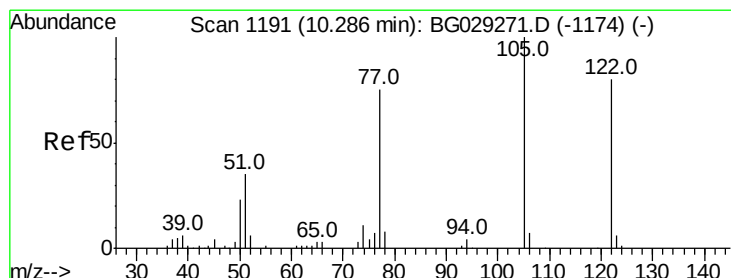
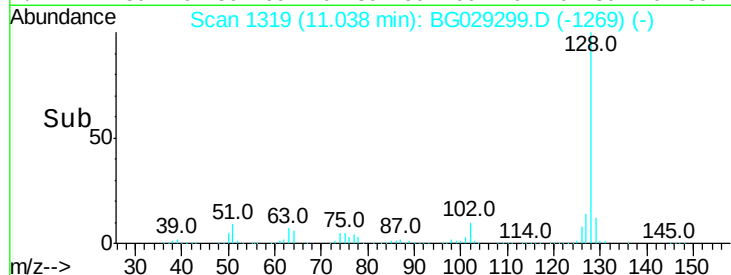
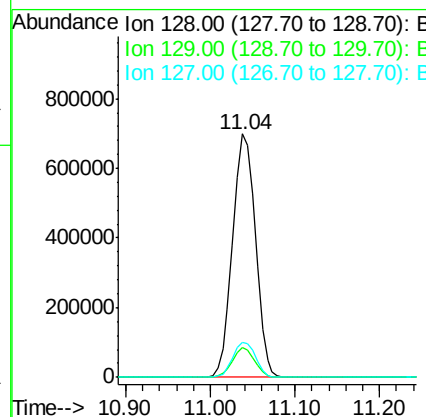
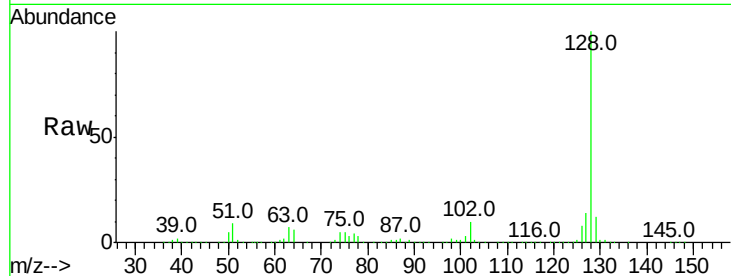
#31
Naphthalene
Concen: 77.669 ng
RT: 11.04 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BG029299.D
Acq: 17 Oct 2017 9:19

Instrument :
BNA_G
ClientSampleId :
WH-TWS-10

Tot Ion:128 Resp: 1302628
Ion Ratio Lower Upper
128 100
129 12.1 8.6 12.8
127 14.4 11.6 17.4

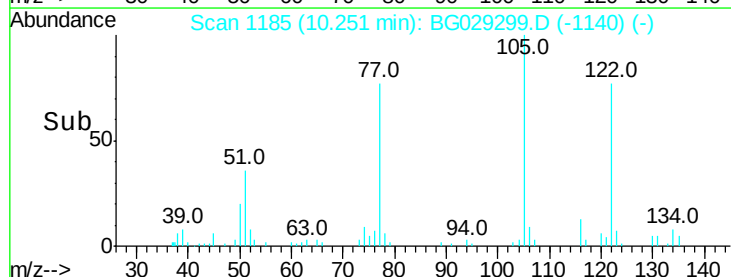
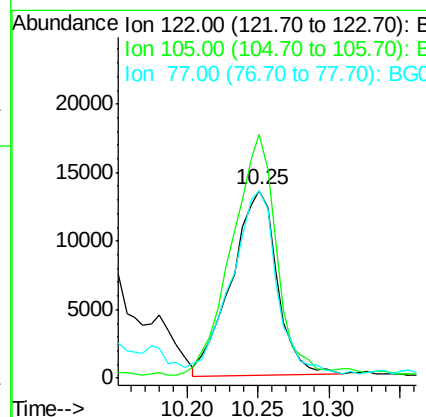
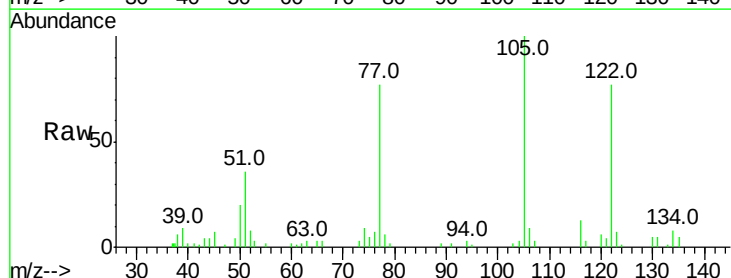
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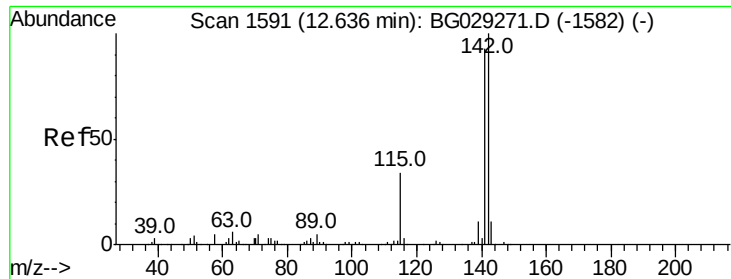
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#32
Benzoic acid
Concen: 7.028 ng
RT: 10.25 min Scan# 1185
Delta R.T. -0.04 min
Lab File: BG029299.D
Acq: 17 Oct 2017 9:19

Tgt Ion:122 Resp: 30298
Ion Ratio Lower Upper
122 100
105 130.0 123.5 163.5
77 99.7 85.7 125.7





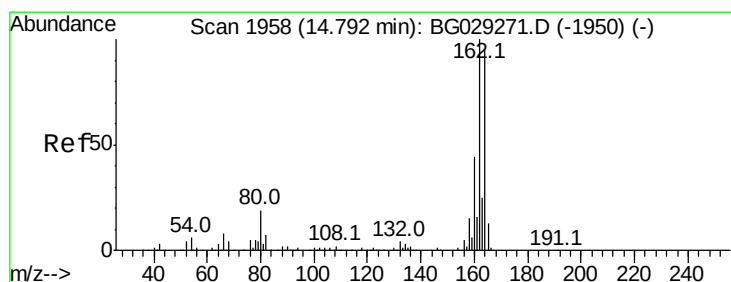
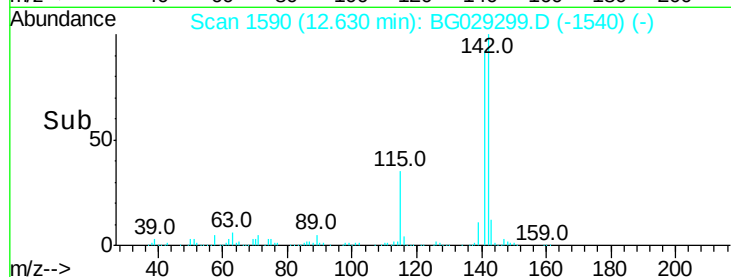
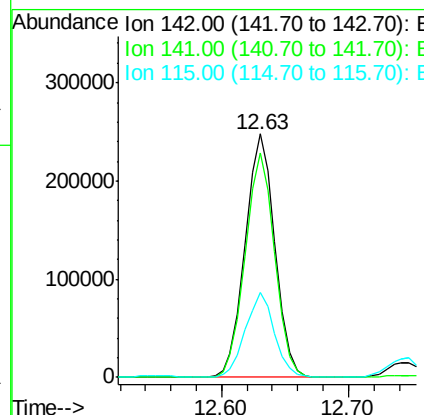
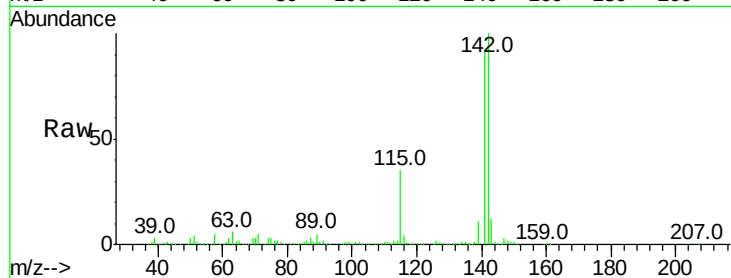
#37
2-Methylnaphthalene
Concen: 32.841 ng
RT: 12.63 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BG029299.D
Acq: 17 Oct 2017 9:19

Instrument :
BNA_G
ClientSampleId :
WH-TWS-10

Tot Ion	Ratio	Resp	Lower	Upper
142	100	401428		
141	92.0		67.1	100.7
115	35.0		30.7	46.1

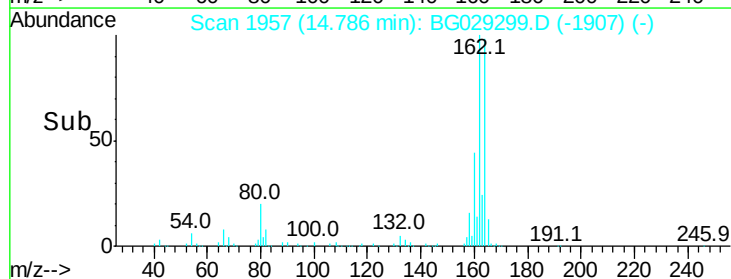
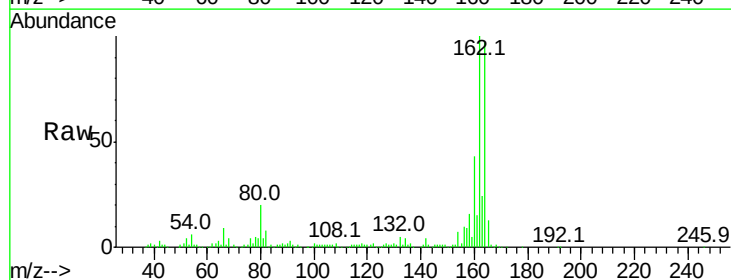
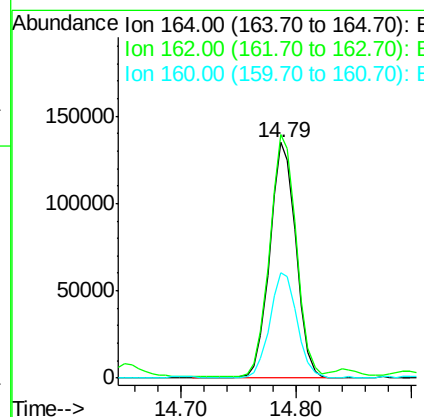
Manual Integrations
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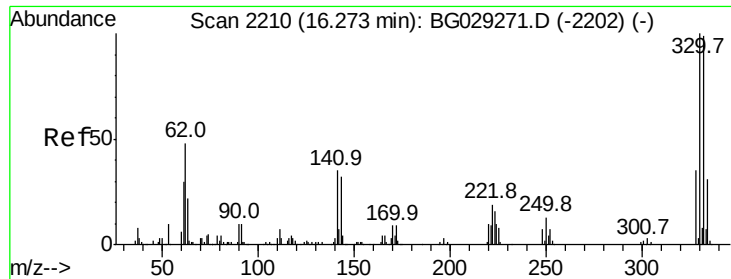
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG029299.D
Acq: 17 Oct 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	213998		
162	103.4		78.8	118.2
160	45.0		35.4	53.0





#41

2,4,6-Tribromophenol

Concen: 160.075 ng

RT: 16.27 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Instrument :

BNA_G

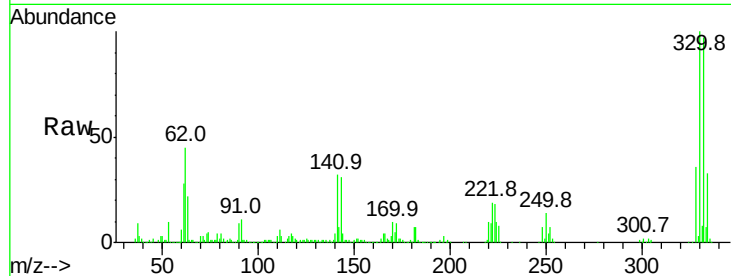
ClientSampleId :

WH-TWS-10

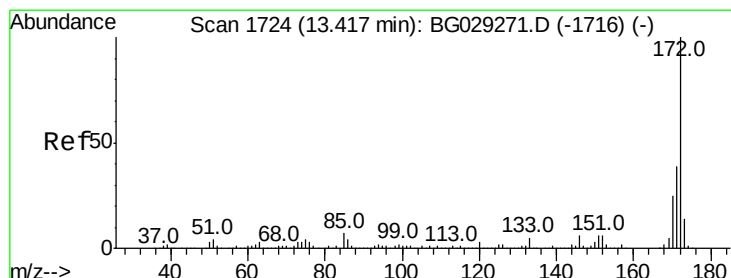
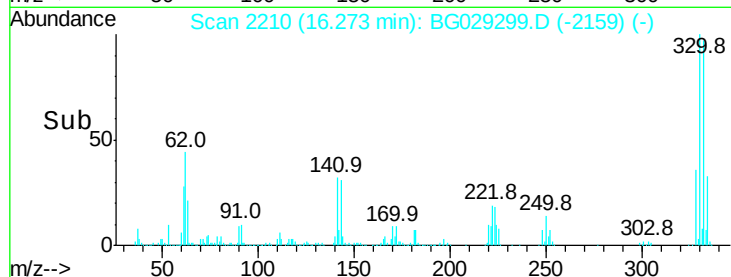
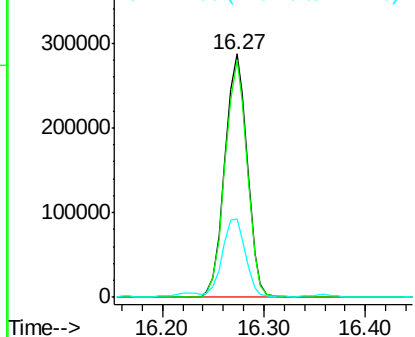
Tot Ion:	330	Resp:	442276
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.0	115.6
141	32.4	25.2	37.8

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



#44

2-Fluorobiphenyl

Concen: 95.244 ng

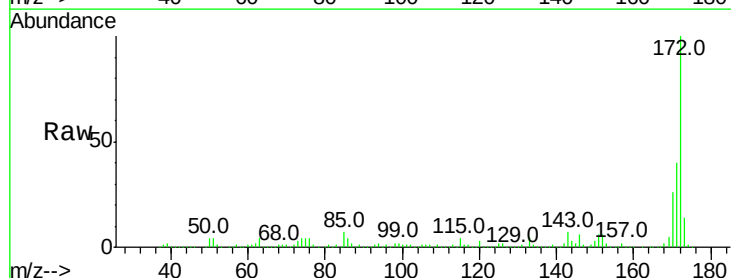
RT: 13.42 min Scan# 1724

Delta R.T. 0.00 min

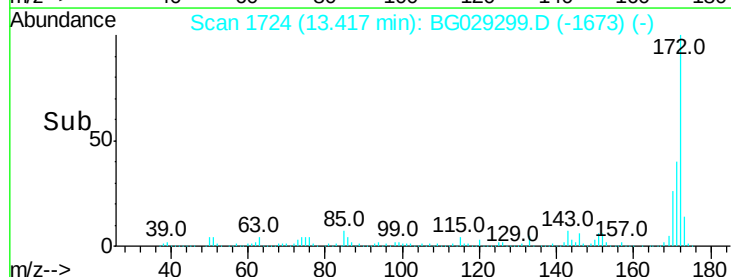
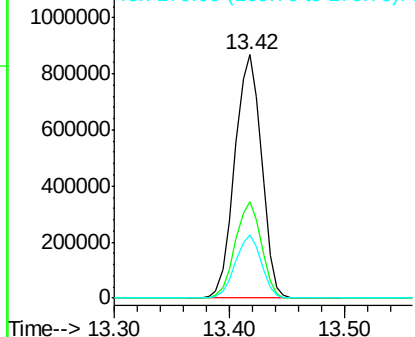
Lab File: BG029299.D

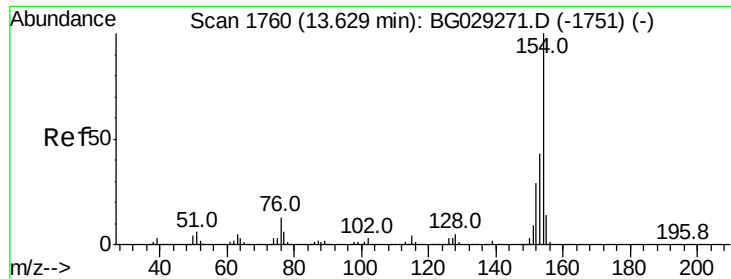
Acq: 17 Oct 2017 9:19

Tgt Ion:	172	Resp:	1389690
Ion Ratio	Lower	Upper	
172	100		
171	39.5	30.0	45.0
170	25.9	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





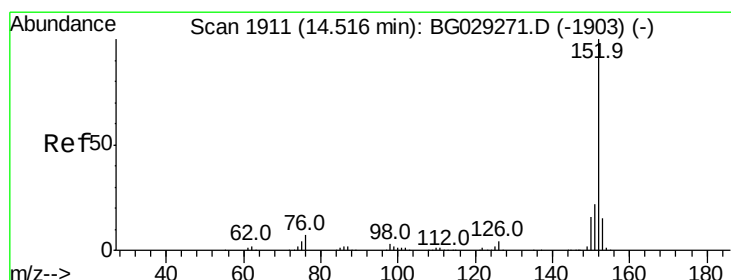
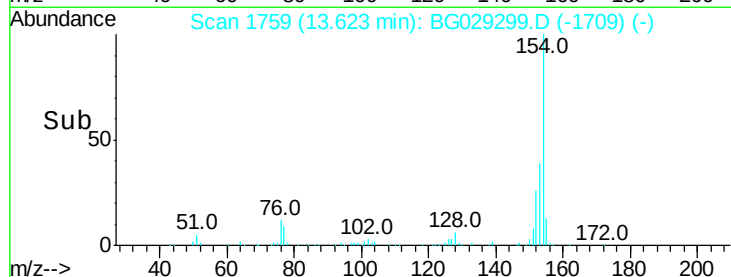
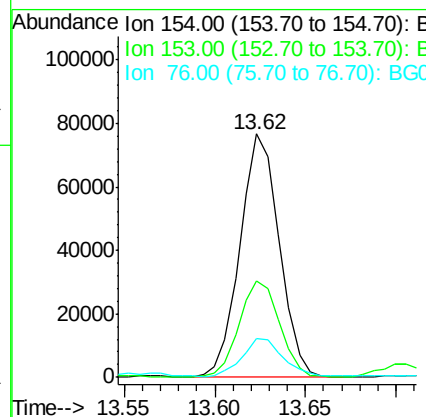
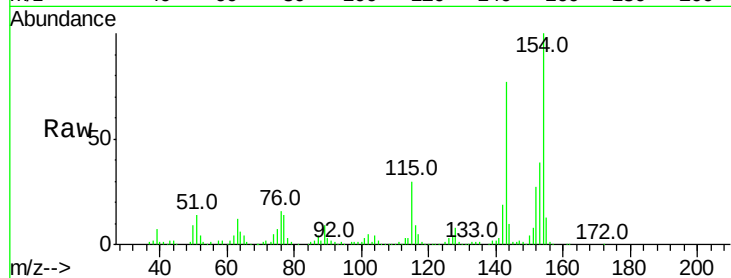
#45
 1,1'-Biphenyl
 Concen: 6.279 ng
 RT: 13.62 min Scan# 1759
 Delta R.T. -0.01 min
 Lab File: BG029299.D
 Acq: 17 Oct 2017 9:19

Instrument :
 BNA_G
 ClientSampled :
 WH-TWS-10

Tot Ion:	154	Resp:	115502
Ion Ratio	Lower	Upper	
154	100		
153	39.4	19.8	59.8
76	16.0	0.0	31.9

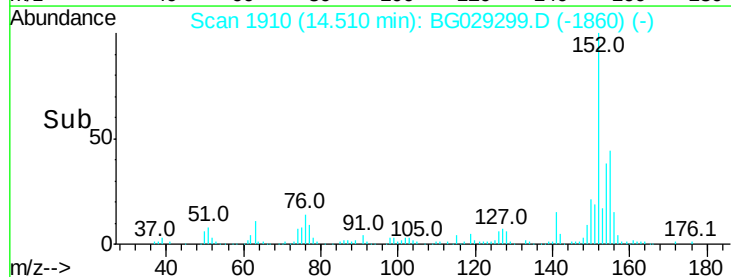
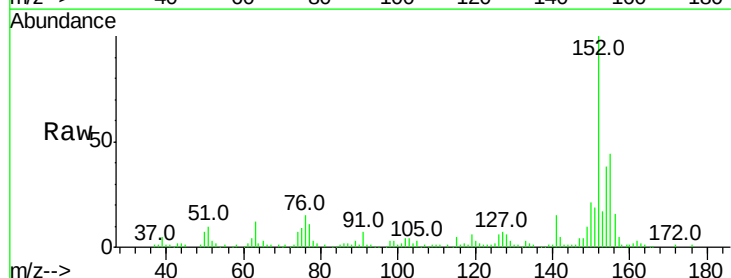
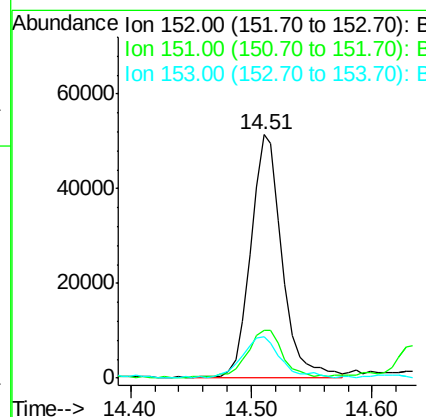
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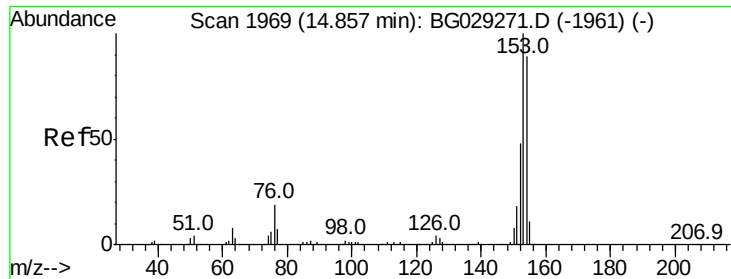
Sohil
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#48
 Acenaphthylene
 Concen: 4.428 ng
 RT: 14.51 min Scan# 1910
 Delta R.T. -0.01 min
 Lab File: BG029299.D
 Acq: 17 Oct 2017 9:19

Tgt Ion:	152	Resp:	92985
Ion Ratio	Lower	Upper	
152	100		
151	19.5	17.2	25.8
153	16.9	10.2	15.4#





#51

Acenaphthene

Concen: 27.813 ng

RT: 14.85 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Instrument :

BNA_G

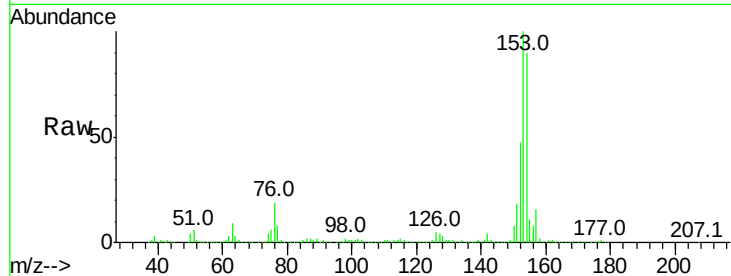
ClientSampleId :

WH-TWS-10

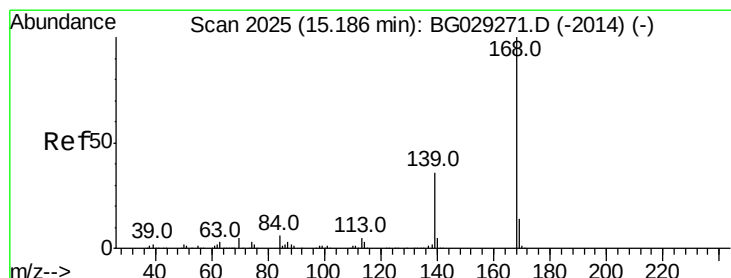
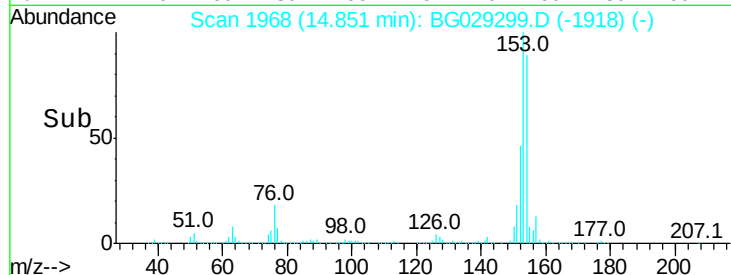
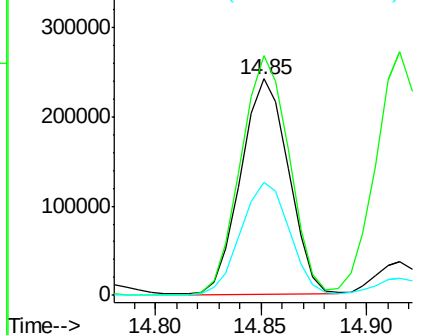
Tot Ion:	154	Resp:	379975
Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.4	135.6
152	52.0	41.6	62.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 31.824 ng

RT: 15.19 min Scan# 2025

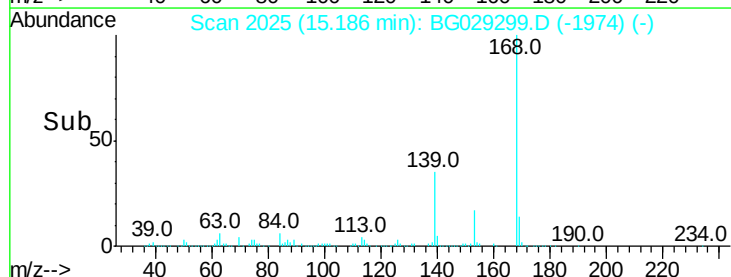
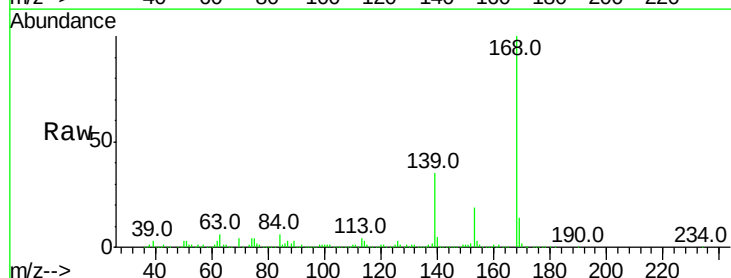
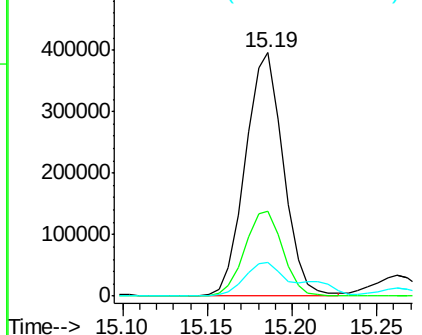
Delta R.T. 0.00 min

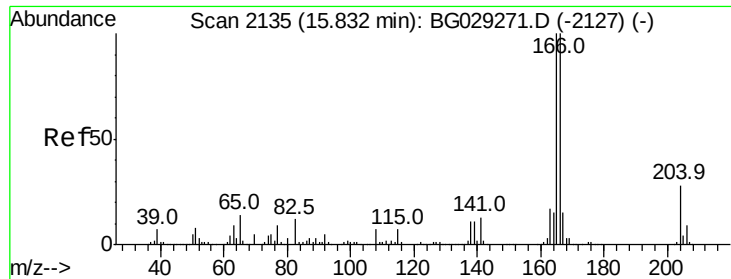
Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Tgt Ion:	168	Resp:	620673
Ion	Ratio	Lower	Upper
168	100		
139	35.0	28.6	43.0
169	13.7	11.2	16.8

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





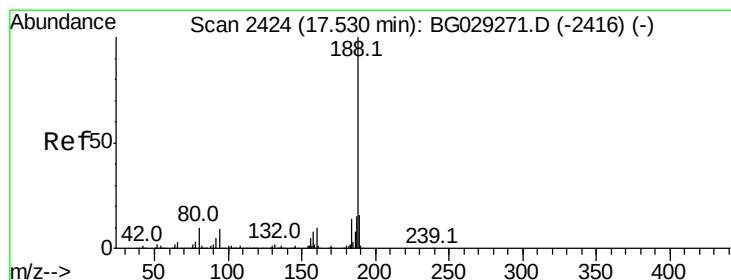
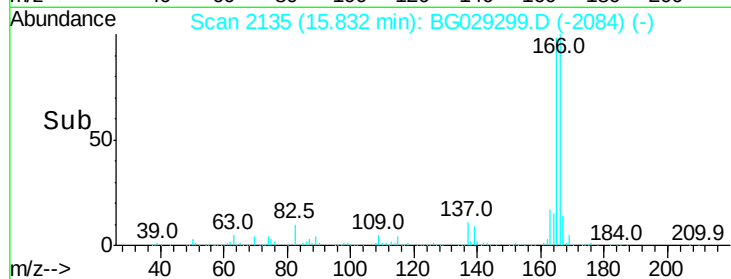
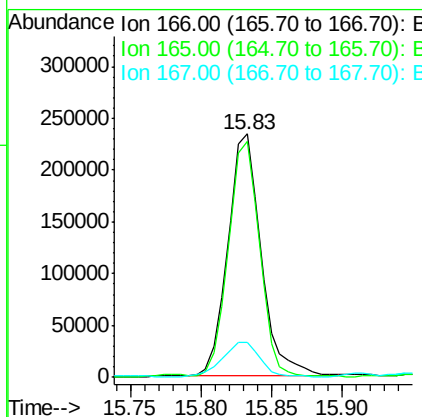
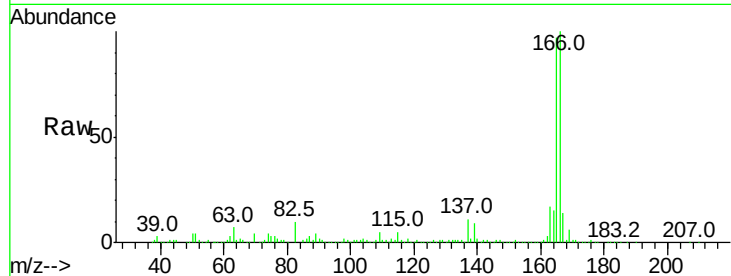
#57
Fluorene
 Concen: 23.836 ng
 RT: 15.83 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: BG029299.D
 Acq: 17 Oct 2017 9:19

Instrument :
 BNA_G
 ClientSampleId :
 WH-TWS-10

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.7	80.6	121.0	
167	14.3	10.4	15.6	

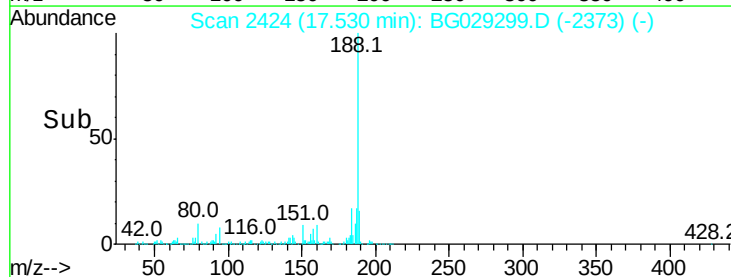
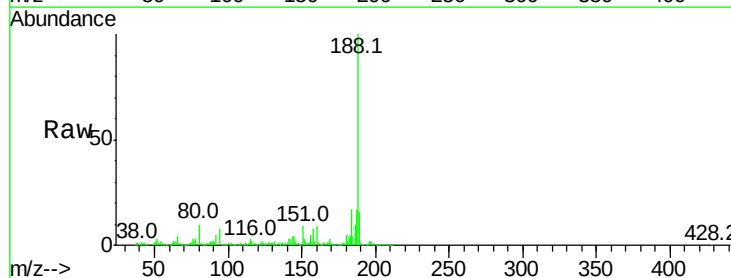
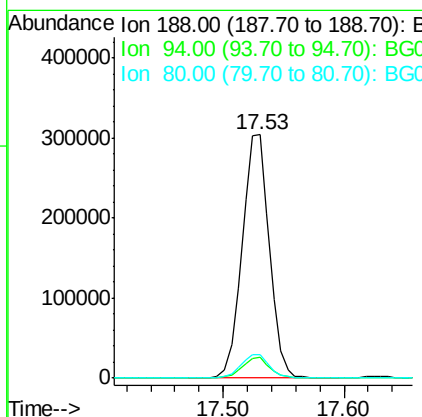
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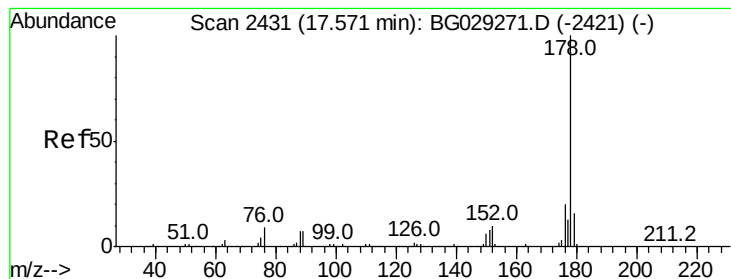
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.53 min Scan# 2424
 Delta R.T. 0.00 min
 Lab File: BG029299.D
 Acq: 17 Oct 2017 9:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	8.4	6.9	10.3	
80	9.8	7.7	11.5	





#70

Phenanthrene

Concen: 40.504 ng

RT: 17.57 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Instrument :

BNA_G

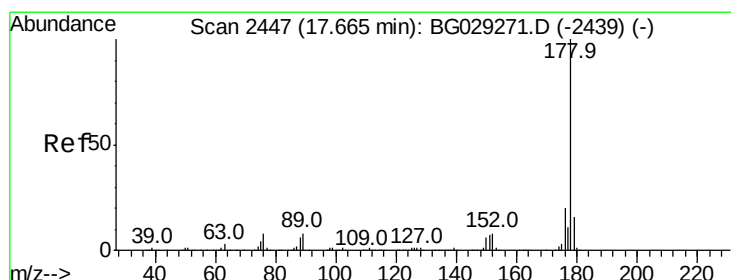
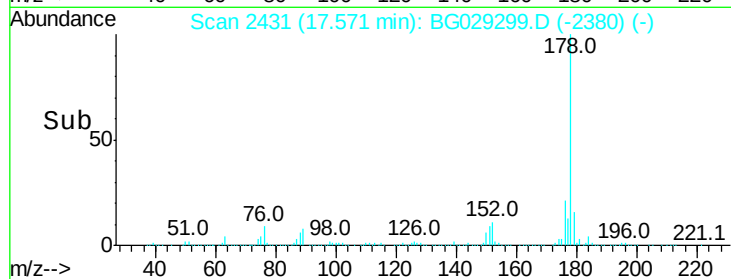
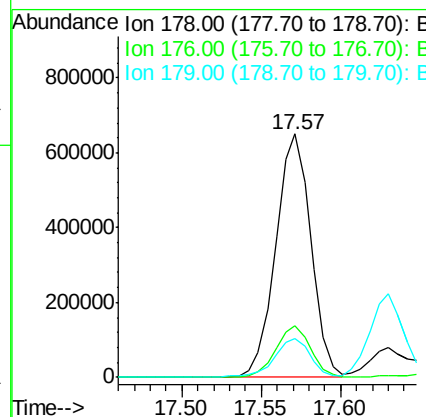
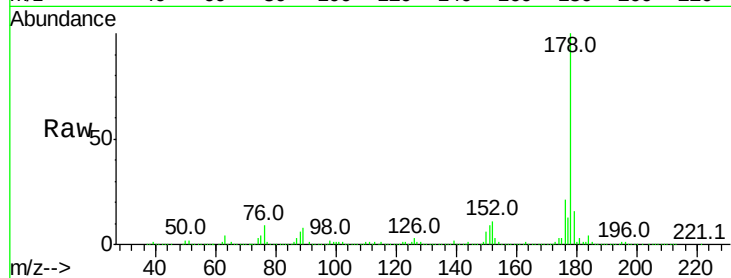
ClientSampleId :

WH-TWS-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.1	15.7	23.5
179	16.1	12.5	18.7

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#71

Anthracene

Concen: 8.690 ng m

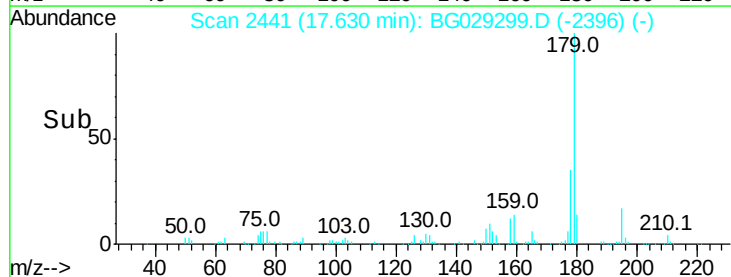
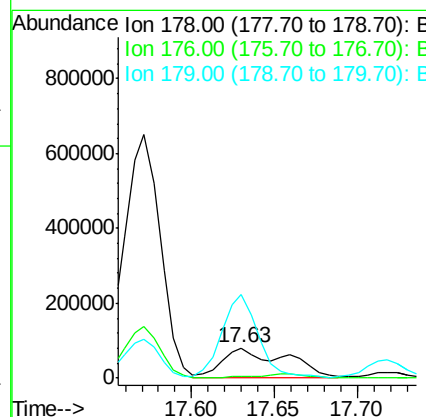
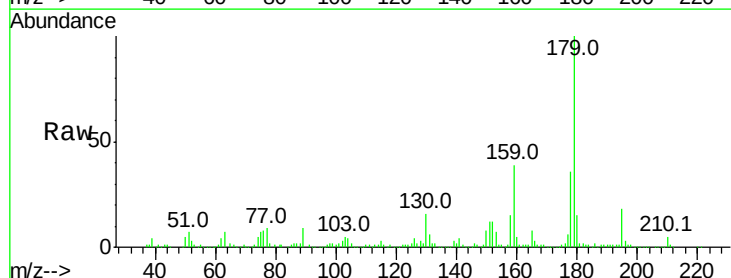
RT: 17.63 min Scan# 2441

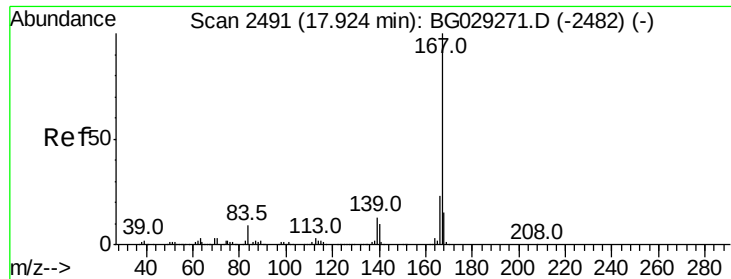
Delta R.T. -0.04 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	6.0	16.0	24.0#
179	276.5	12.5	18.7#





#72

Carbazole

Concen: 49.958 ng

RT: 17.93 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Instrument :

BNA_G

ClientSampleId :

WH-TWS-10

Tot Ion:167 Resp: 1186596

Ion Ratio Lower Upper

167 100

166 24.1 18.2 27.4

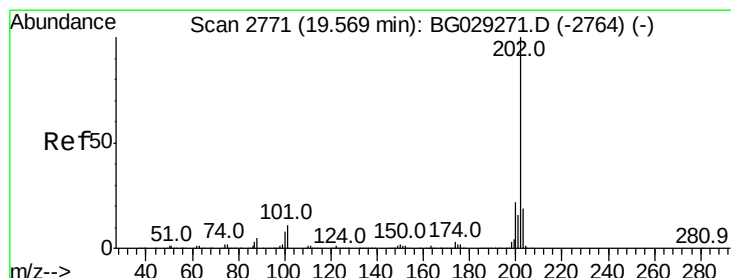
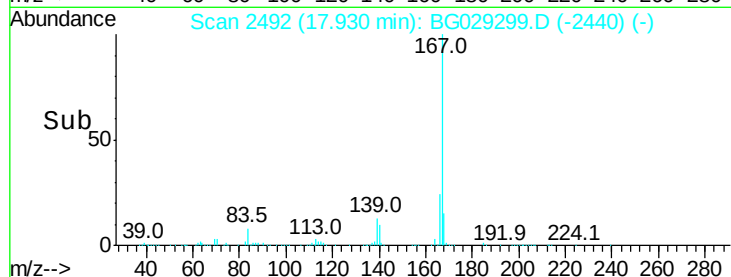
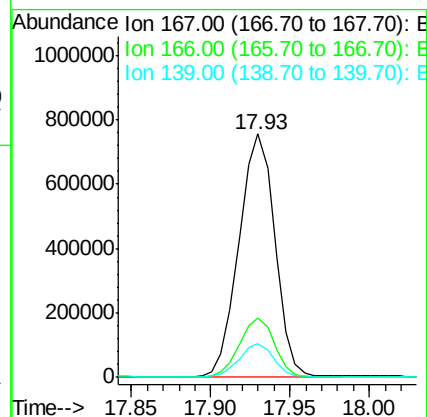
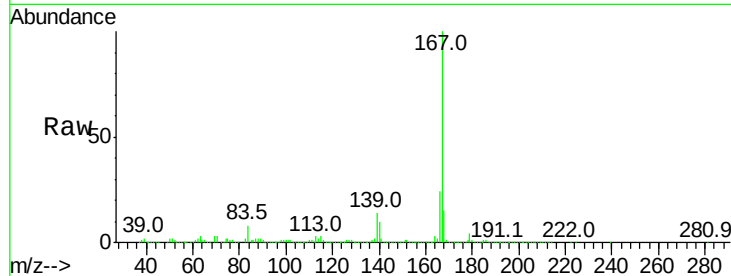
139 13.6 9.4 14.2

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#74

Fluoranthene

Concen: 7.417 ng

RT: 19.56 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

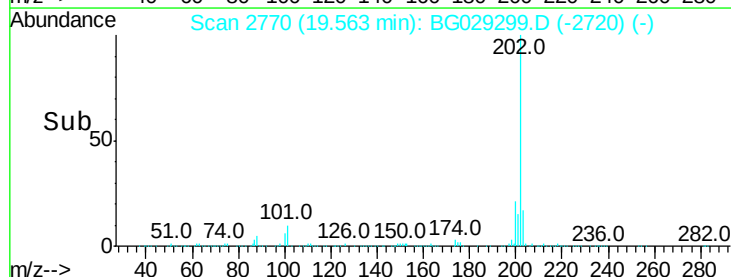
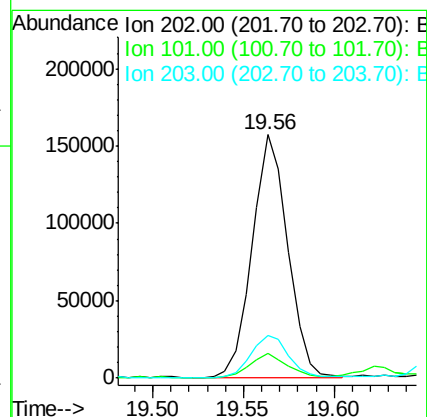
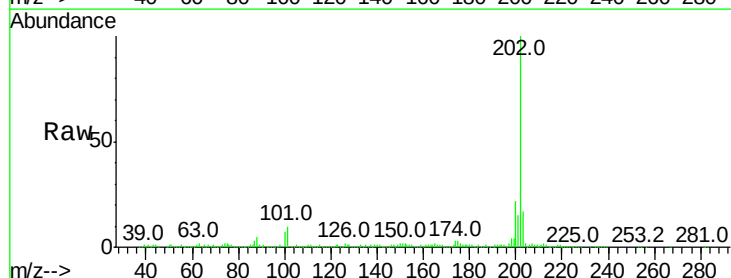
Tgt Ion:202 Resp: 213616

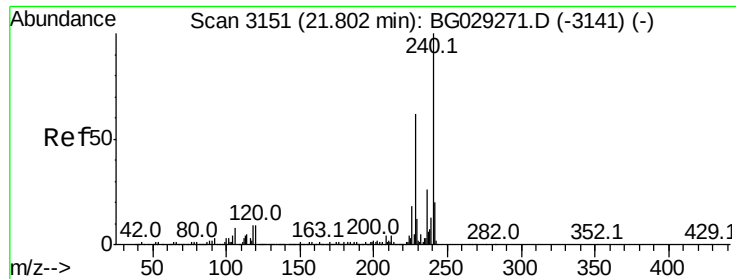
Ion Ratio Lower Upper

202 100

101 10.2 0.0 28.9

203 17.5 0.0 37.5





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.80 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Instrument :

BNA_G

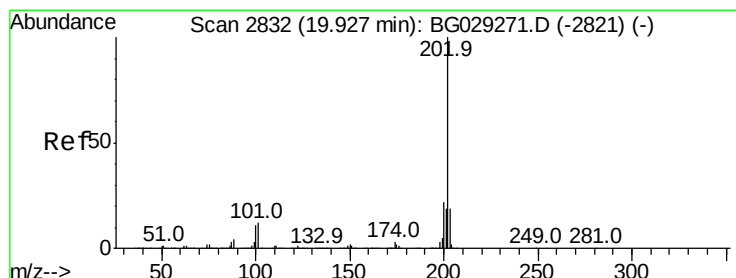
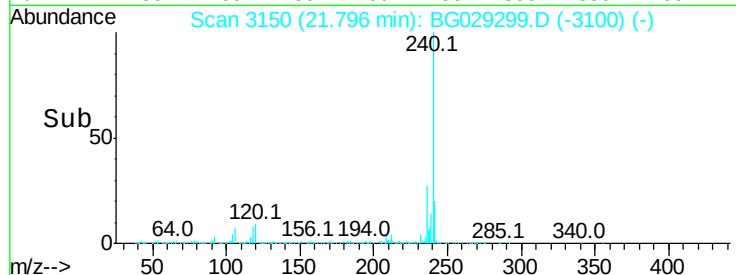
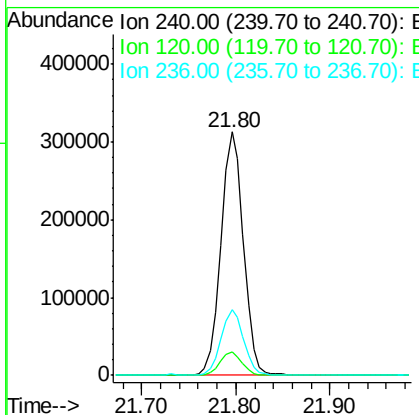
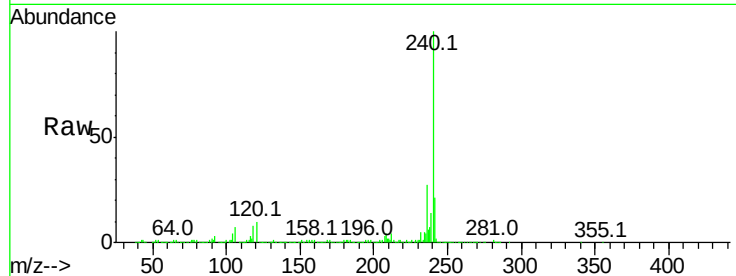
ClientSampleId :

WH-TWS-10

Tot Ion:	240	Resp:	517354
Ion Ratio	Lower	Upper	
240	100		
120	9.5	6.8	10.2
236	27.0	20.9	31.3

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#77

Pyrene

Concen: 4.185 ng

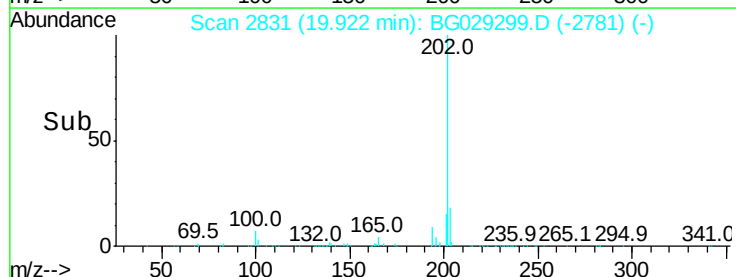
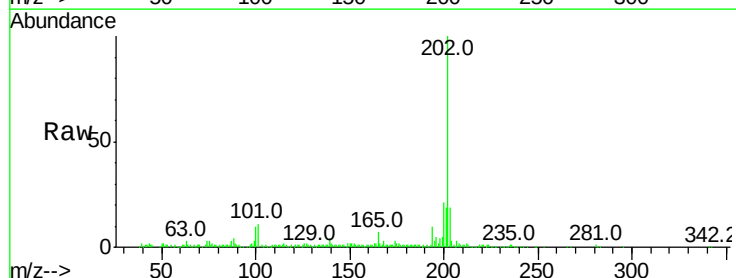
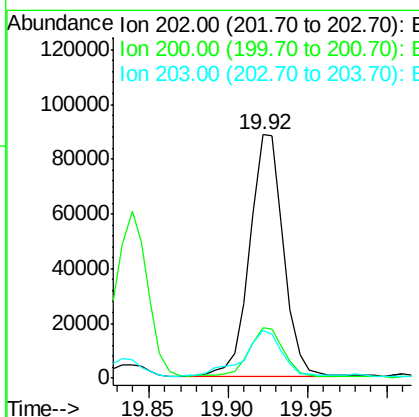
RT: 19.92 min Scan# 2831

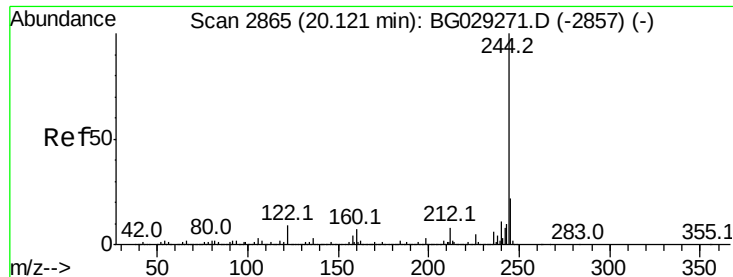
Delta R.T. -0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Tgt Ion:	202	Resp:	131332
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.9	25.3
203	19.4	13.9	20.9





#78

Terphenyl-d14

Concen: 87.433 ng

RT: 20.12 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

Instrument :

BNA_G

ClientSampleId :

WH-TWS-10

Tot Ion:244 Resp: 1988350

Ion Ratio Lower Upper

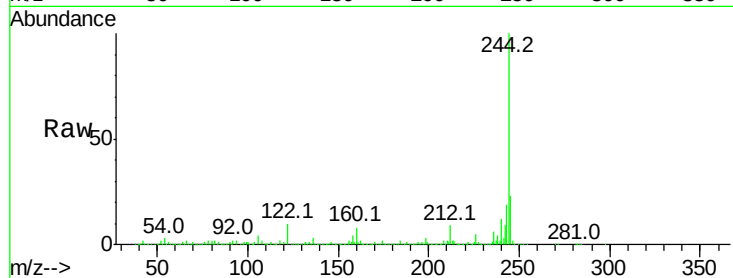
244 100

212 8.6 5.8 8.8

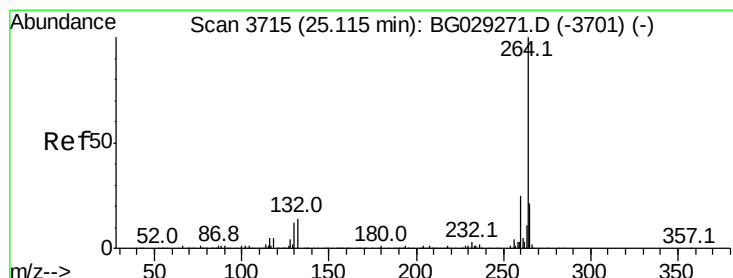
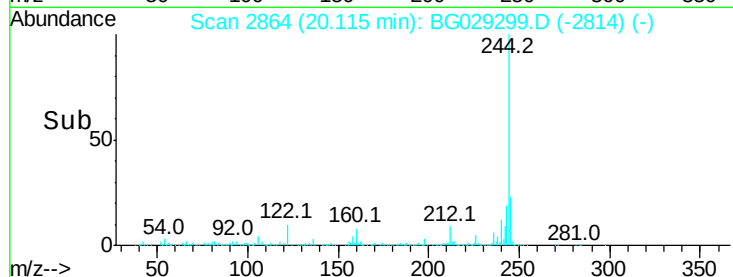
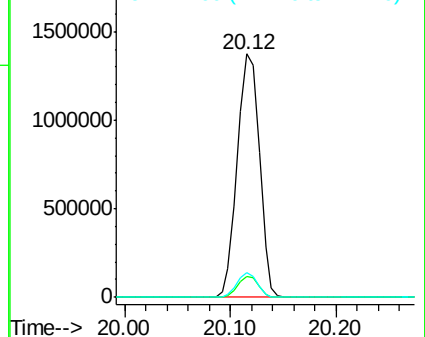
122 10.1 7.0 10.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.11 min Scan# 3714

Delta R.T. -0.01 min

Lab File: BG029299.D

Acq: 17 Oct 2017 9:19

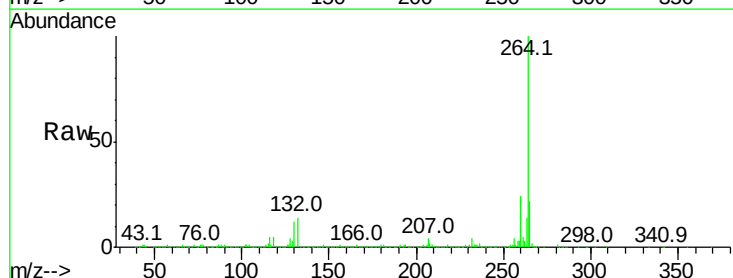
Tgt Ion:264 Resp: 536257

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 22.0 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

