

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011918\
 Data File : BG032154.D
 Acq On : 19 Jan 2018 16:36
 Operator : SJ/JU
 Sample : J1173-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 UST-1-2

Manual Integrations
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Quant Time: Jan 22 14:45:49 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.75	152	47150	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	186646	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	131852	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	346793	20.00	ng	0.00
75) Chrysene-d12	22.44	240	458633	20.00	ng	0.00
86) Perylene-d12	26.14	264	473477	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.18	112	179189	69.51	ng	0.01
7) Phenol-d6	7.85	99	137692	42.41	ng	0.00
23) Nitrobenzene-d5	9.95	82	313875	113.77	ng	0.00
41) 2,4,6-Tribromophenol	16.86	330	378064	173.28	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	1064443	100.10	ng	0.00
78) Terphenyl-d14	20.65	244	2014510	96.99	ng	0.00
Target Compounds						
10) Phenol	7.88	94	168553	52.700	ng	97
15) Benzyl Alcohol	8.98	79	56855	24.104	ng	90
17) 2-Methylphenol	9.19	107	507050	207.442	ng	95
20) 3+4-Methylphenols	9.53	107	656277	193.813	ng	90
27) 2,4-Dimethylphenol	10.79	122	258525m	99.911	ng	
31) Naphthalene	11.70	128	3233104	349.676	ng	# 92
37) 2-Methylnaphthalene	13.25	142	2130856	290.283	ng	93
45) 1,1'-Biphenyl	14.22	154	74036	6.550	ng	96

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

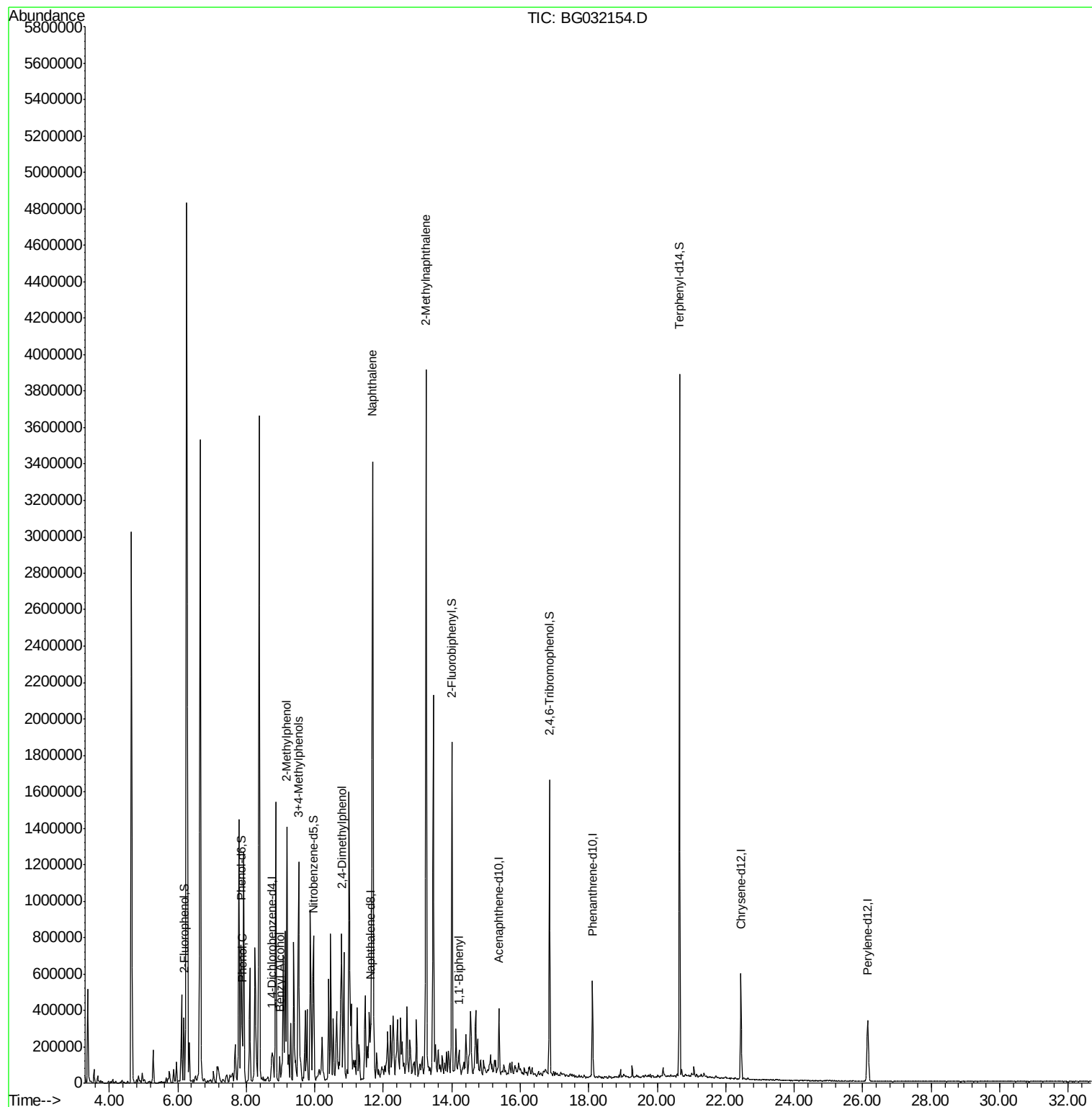
Data Path : Z:\HPCHEM1\BNA G\DATA\BG011918\
Data File : BG032154.D
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Operator : SJ/JU
Sample : J1173-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

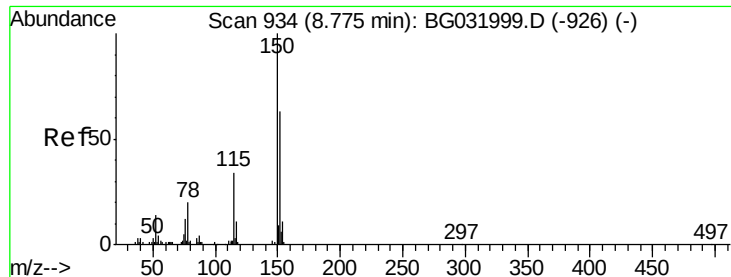
Instrument :
BNA_G
ClientSampleId :
UST-1-2

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#1

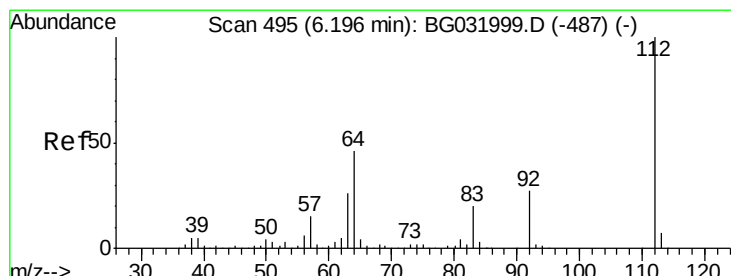
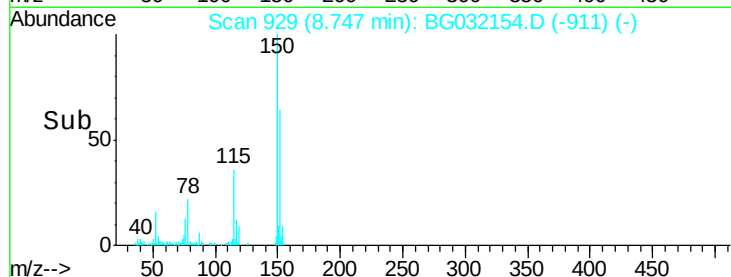
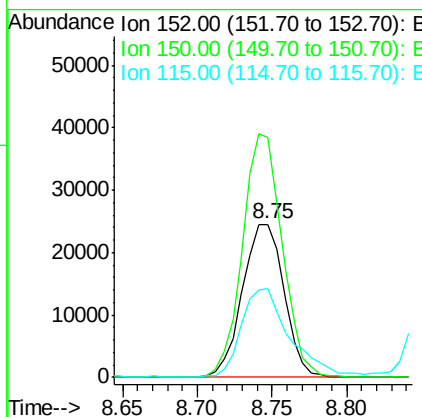
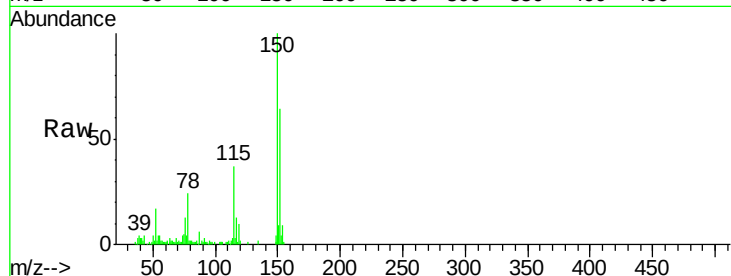
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.75 min Scan# 929
Delta R.T. 0.01 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Instrument :
BNA_G
ClientSampled :
UST-1-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.6	189.8
115	57.9	53.0	79.4

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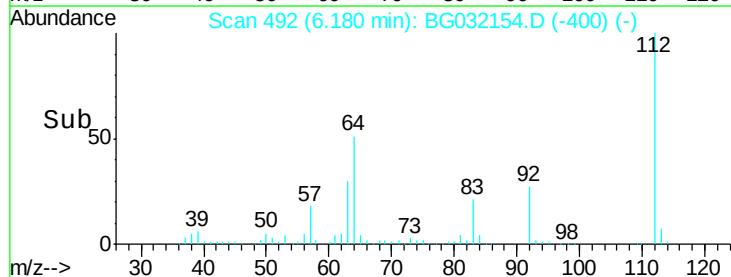
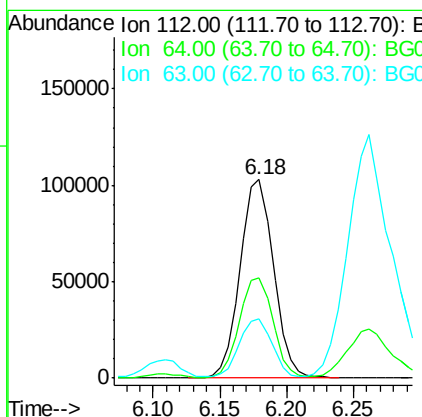
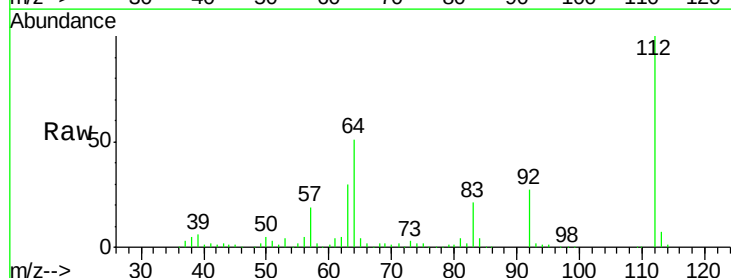
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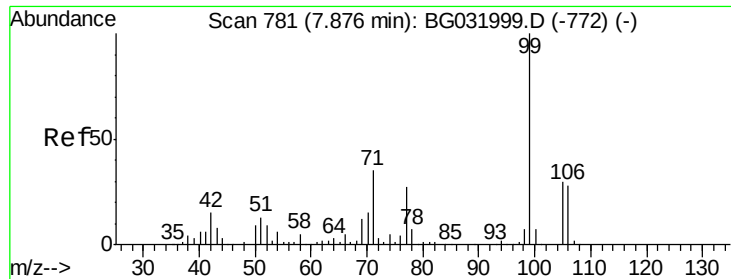


#5

2-Fluorophenol
Concen: 69.507 ng
RT: 6.18 min Scan# 492
Delta R.T. 0.01 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.6	56.3	84.5#
63	29.9	30.1	45.1#





#7

Phenol-d6

Concen: 42.408 ng

RT: 7.85 min Scan# 777

Delta R.T. 0.01 min

Lab File: BG032154.D

Acq: 19 Jan 2018 16:36

Instrument :

BNA_G

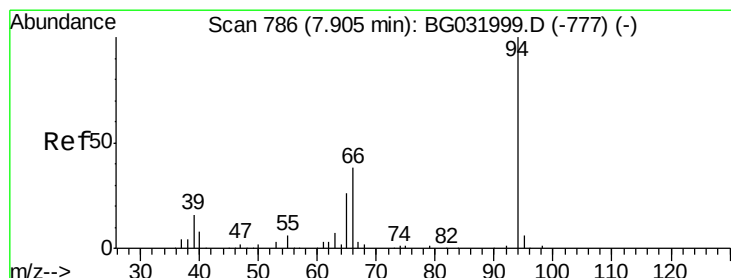
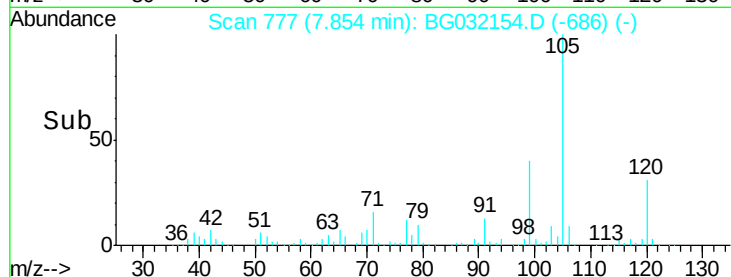
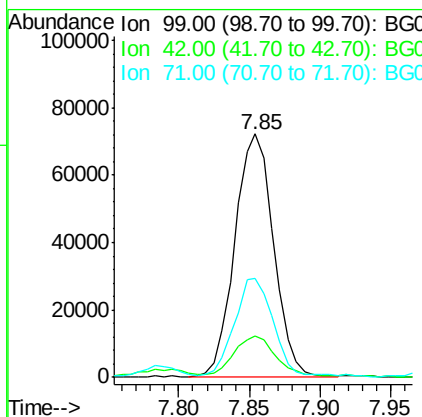
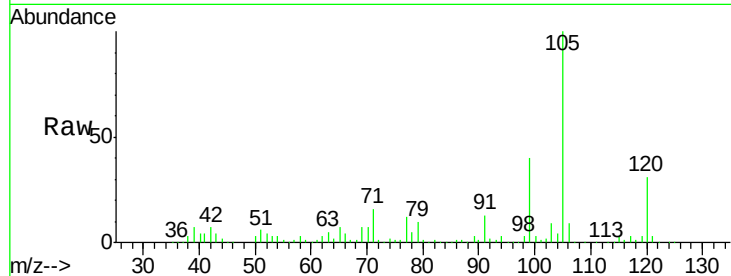
ClientSampled :

UST-1-2

Tot Ion:	99	Resp:	137692
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.1	21.1
71	40.7	26.1	39.1#

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#10

Phenol

Concen: 52.700 ng

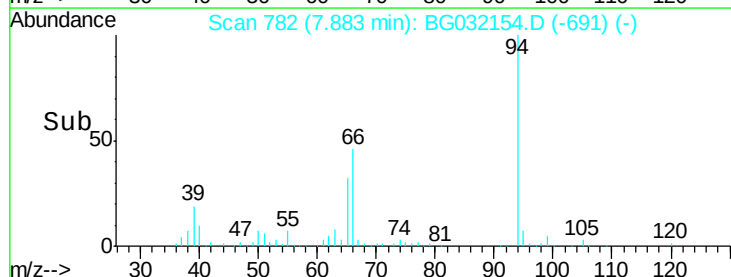
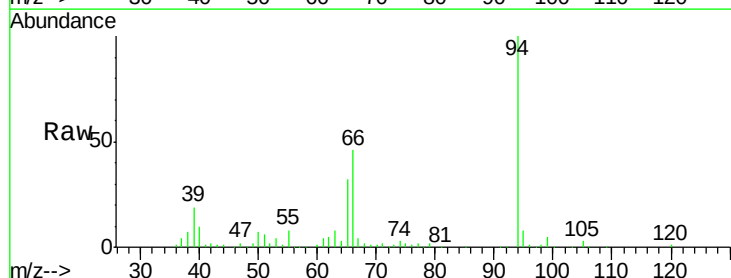
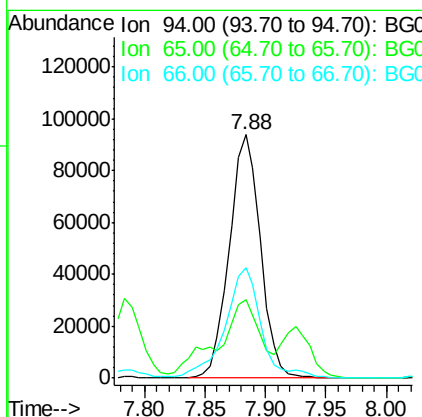
RT: 7.88 min Scan# 782

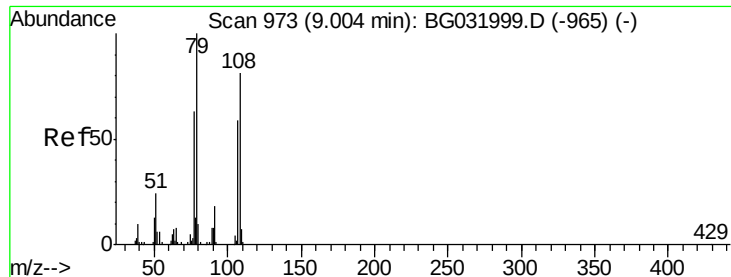
Delta R.T. 0.01 min

Lab File: BG032154.D

Acq: 19 Jan 2018 16:36

Tgt Ion:	94	Resp:	168553
Ion Ratio	Lower	Upper	
94	100		
65	32.2	11.9	51.9
66	45.6	22.2	62.2





#15

Benzyl Alcohol

Concen: 24.104 ng

RT: 8.98 min Scan# 968

Delta R.T. -0.00 min

Lab File: BG032154.D

Acq: 19 Jan 2018 16:36

Instrument :

BNA_G

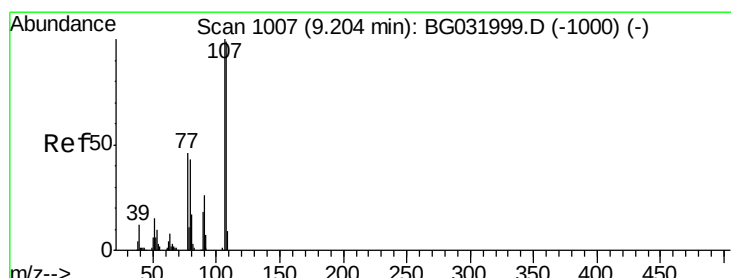
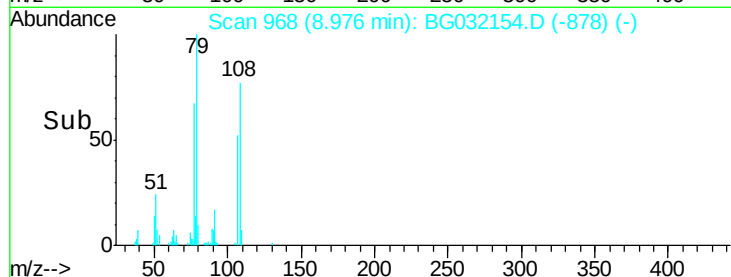
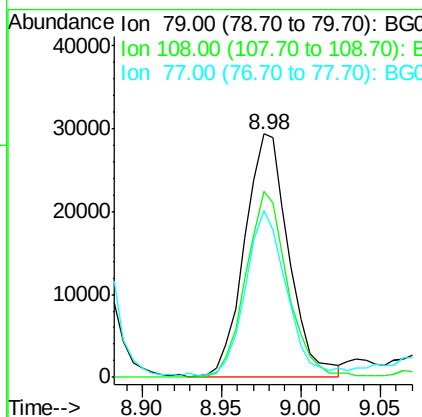
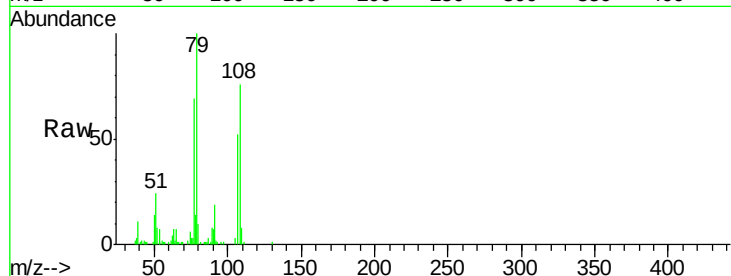
ClientSampleId :

UST-1-2

Tot Ion:	79	Resp:	56855
Ion Ratio	Lower	Upper	
79	100		
108	76.2	57.2	85.8
77	68.5	46.1	69.1

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#17

2-Methylphenol

Concen: 207.442 ng

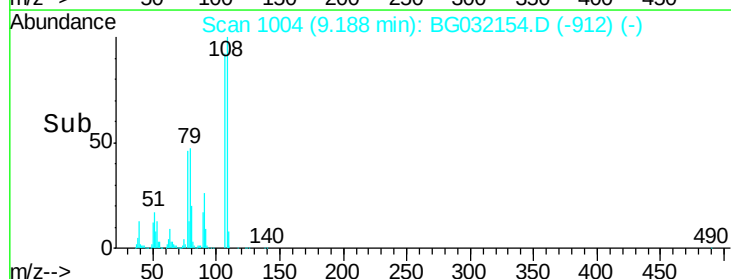
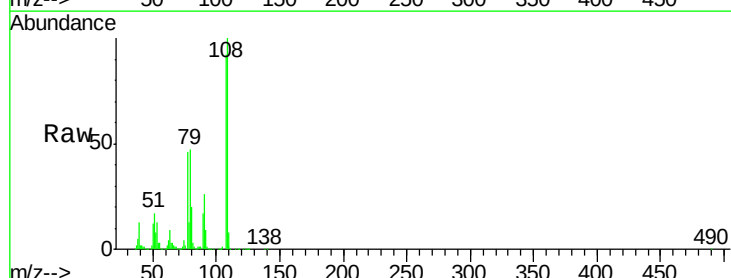
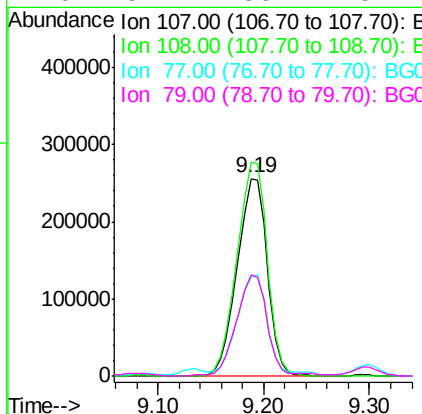
RT: 9.19 min Scan# 1004

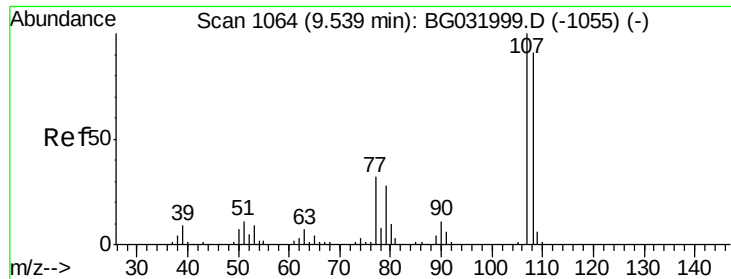
Delta R.T. 0.01 min

Lab File: BG032154.D

Acq: 19 Jan 2018 16:36

Tgt Ion:	107	Resp:	507050
Ion Ratio	Lower	Upper	
107	100		
108	108.3	83.9	125.9
77	50.1	37.2	55.8
79	51.4	36.2	54.2





#20

3+4-Methylphenols

Concen: 193.813 ng

RT: 9.53 min Scan# 1062

Delta R.T. 0.02 min

Lab File: BG032154.D

Acq: 19 Jan 2018 16:36

Instrument :

BNA_G

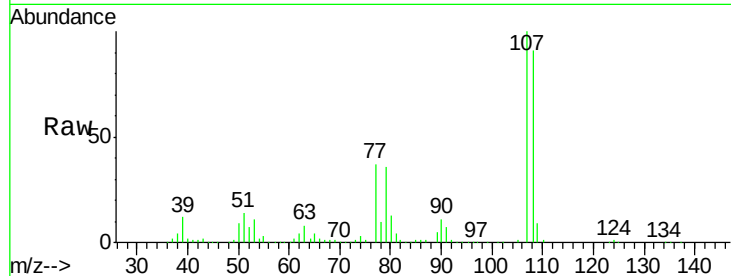
ClientSampled :

UST-1-2

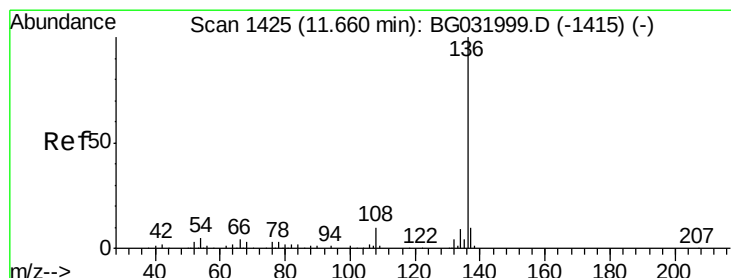
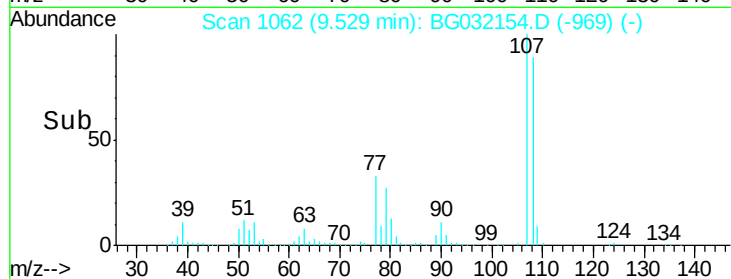
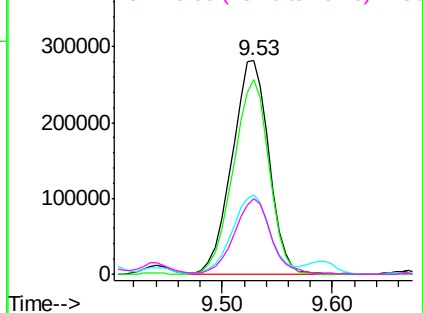
Tot Ion:	107	Resp:	656277
Ion Ratio	Lower	Upper	
107	100		
108	91.2	61.6	101.6
77	37.0	13.9	53.9
79	35.5	8.8	48.8

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.63 min Scan# 1420

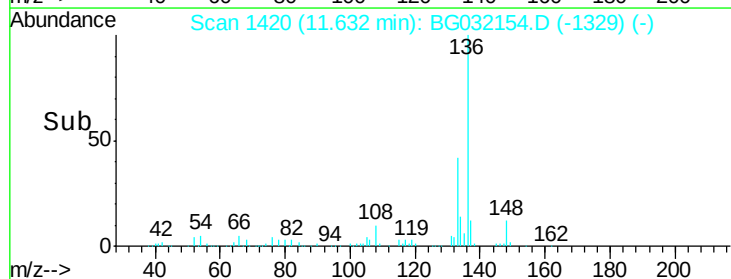
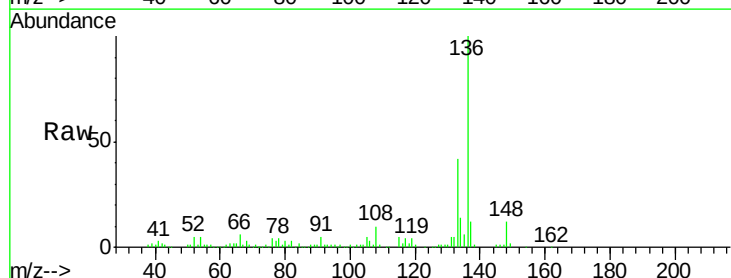
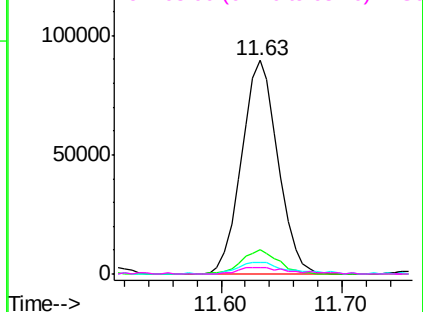
Delta R.T. 0.01 min

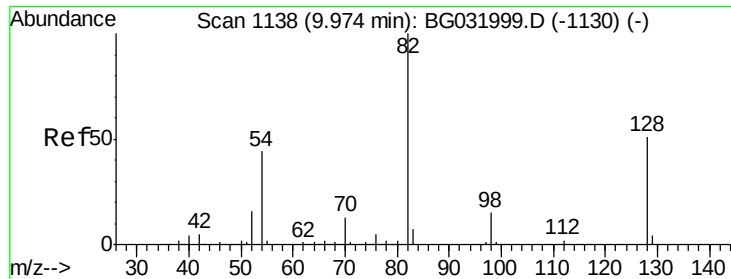
Lab File: BG032154.D

Acq: 19 Jan 2018 16:36

Tgt Ion:	136	Resp:	186646
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.2	13.8
54	5.2	10.3	15.5#
68	3.1	4.5	6.7#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC





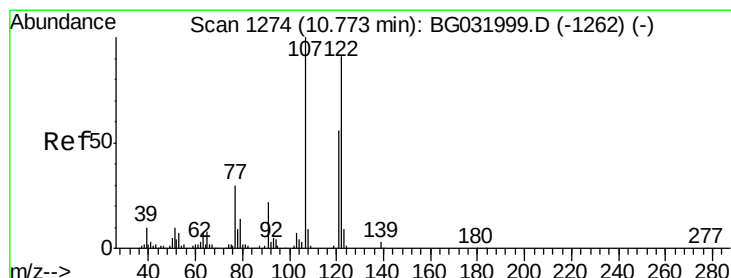
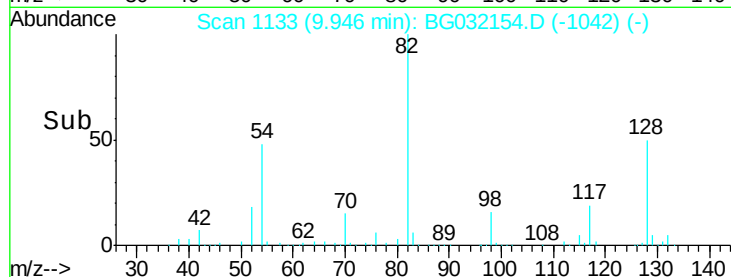
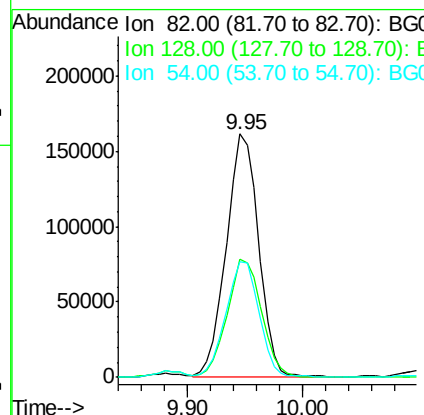
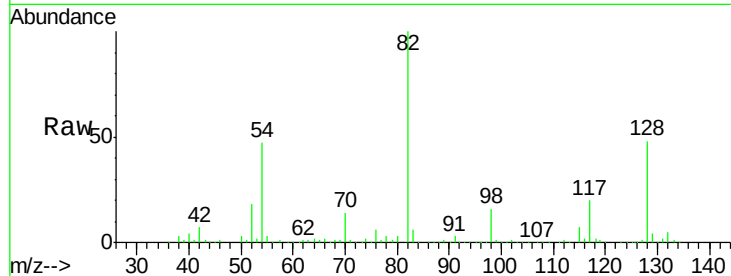
#23
 Nitrobenzene-d5
 Concen: 113.771 ng
 RT: 9.95 min Scan# 1133
 Delta R.T. 0.01 min
 Lab File: BG032154.D
 Acq: 19 Jan 2018 16:36

Instrument :
 BNA_G
 ClientSampled :
 UST-1-2

Tot Ion	82	Resp	313875
Ion Ratio	100	Lower	Upper
82	100		
128	48.3	29.7	44.5#
54	47.4	43.1	64.7

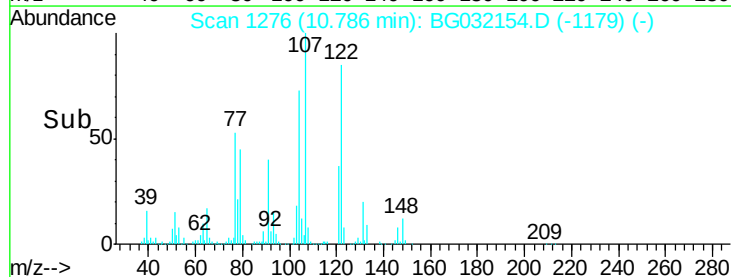
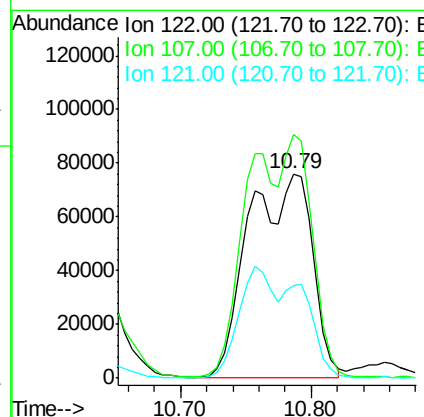
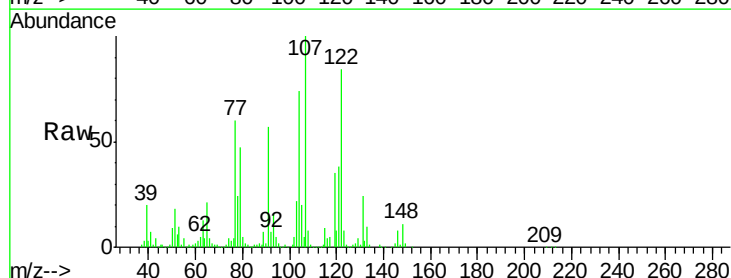
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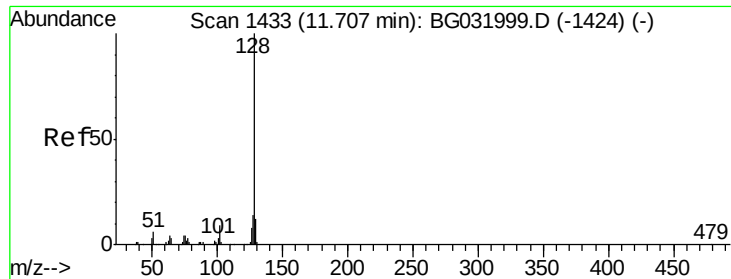
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#27
 2,4-Dimethylphenol
 Concen: 99.911 ng m
 RT: 10.79 min Scan# 1276
 Delta R.T. 0.04 min
 Lab File: BG032154.D
 Acq: 19 Jan 2018 16:36

Tgt Ion	122	Resp	258525
Ion Ratio	100	Lower	Upper
122	100		
107	119.1	100.2	150.2
121	45.1	44.4	66.6





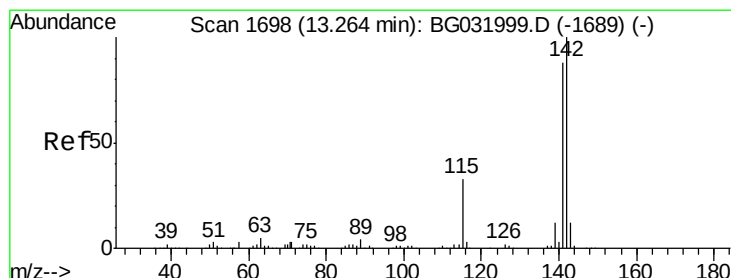
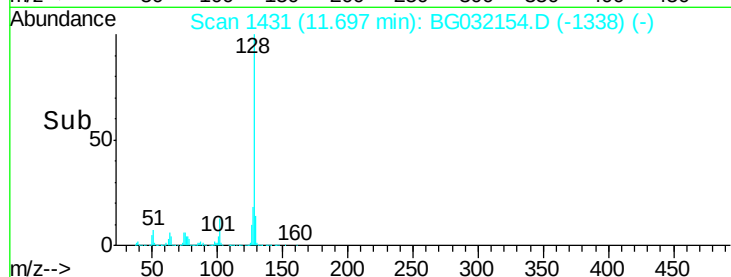
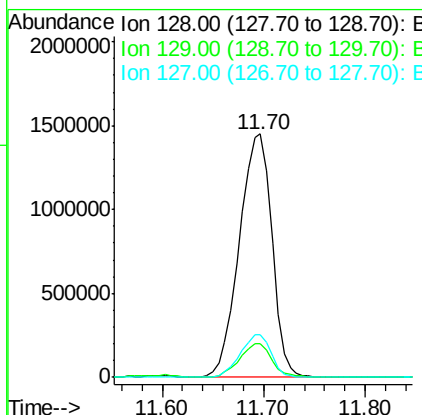
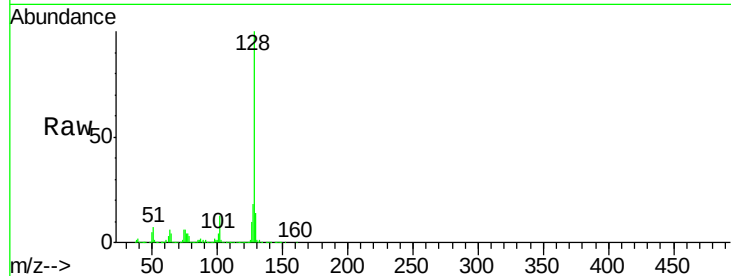
#31
Naphthalene
Concen: 349.676 ng
RT: 11.70 min Scan# 1431
Delta R.T. 0.02 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Instrument :
BNA_G
ClientSampleId :
UST-1-2

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.9	8.6	12.8#
127	17.6	11.6	17.4#

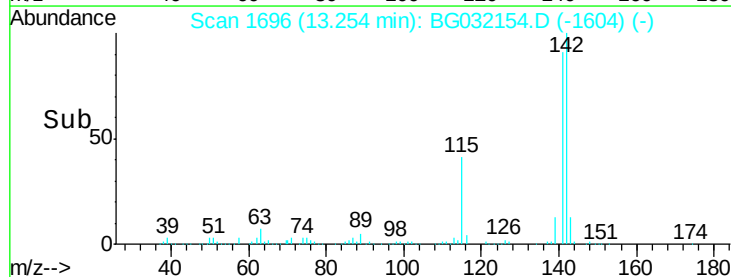
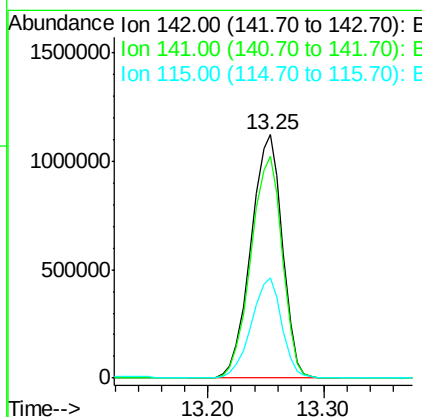
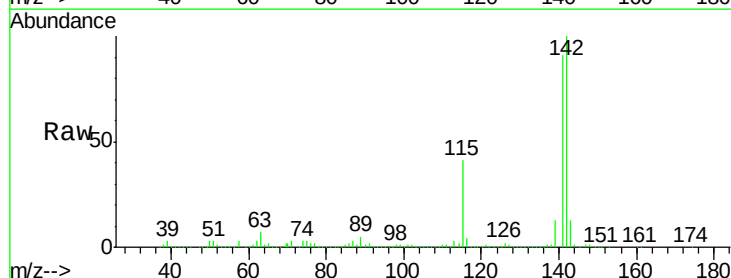
Manual Integrations
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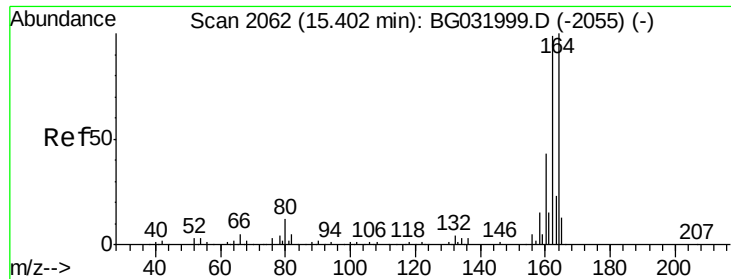
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#37
2-Methylnaphthalene
Concen: 290.283 ng
RT: 13.25 min Scan# 1696
Delta R.T. 0.01 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	67.1	100.7
115	41.1	30.7	46.1





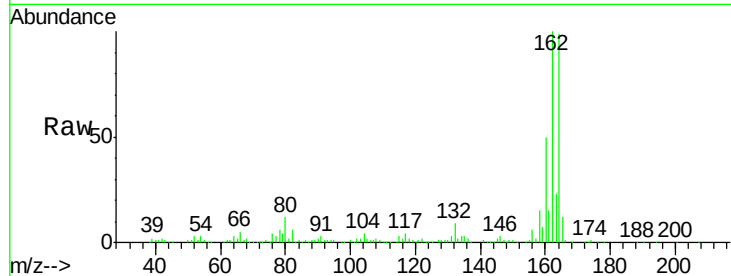
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.37 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Instrument :
BNA_G
ClientSampleId :
UST-1-2

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	78.8	118.2
160	50.4	35.4	53.0

Manual Integrations
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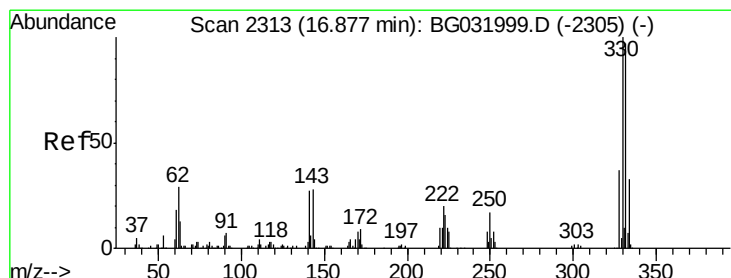
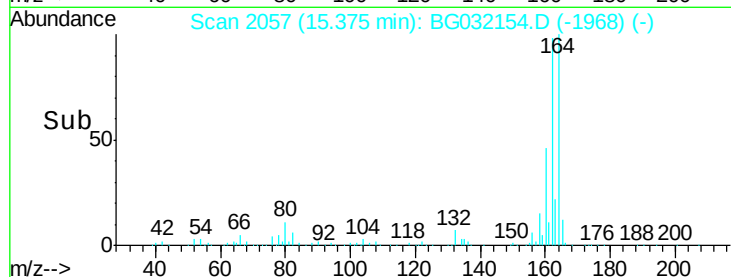
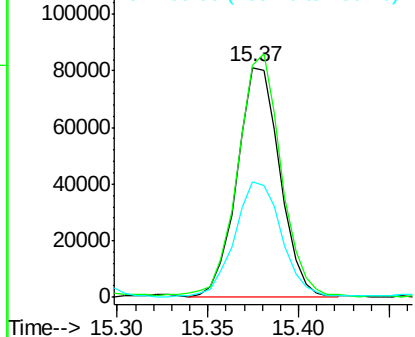


Abundance

Ion 164.00 (163.70 to 164.70): E

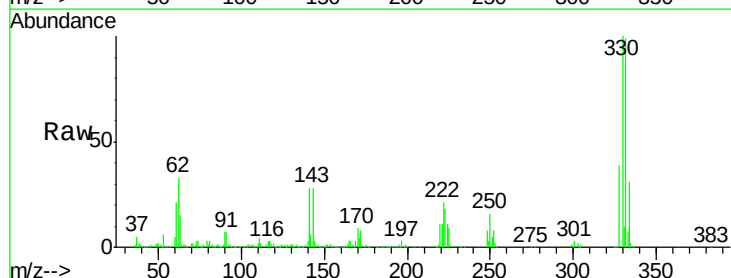
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 173.277 ng
RT: 16.86 min Scan# 2309
Delta R.T. -0.00 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	29.2	25.2	37.8

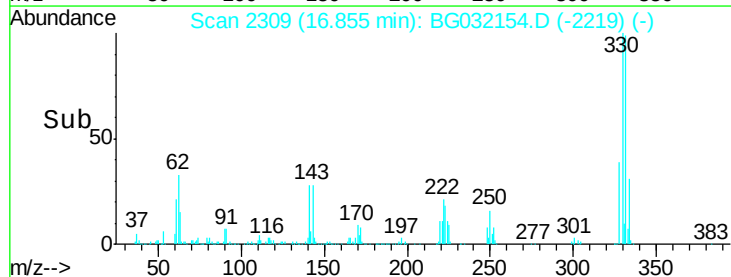
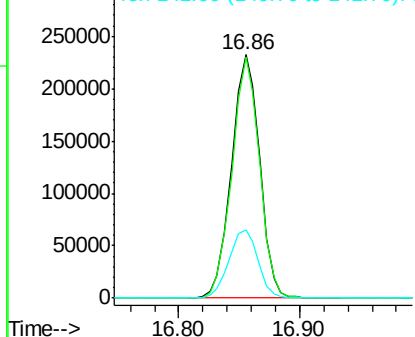


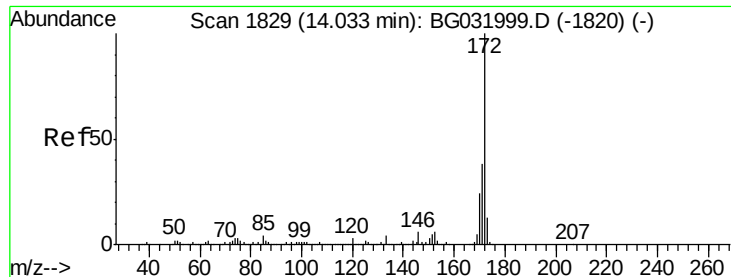
Abundance

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





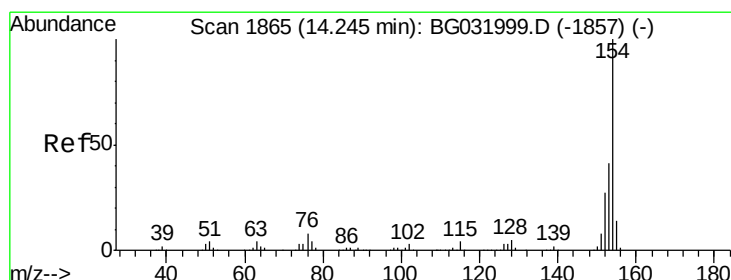
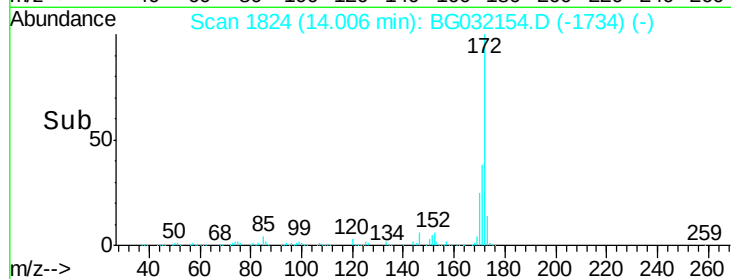
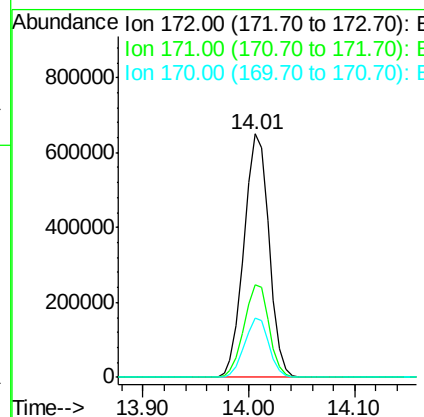
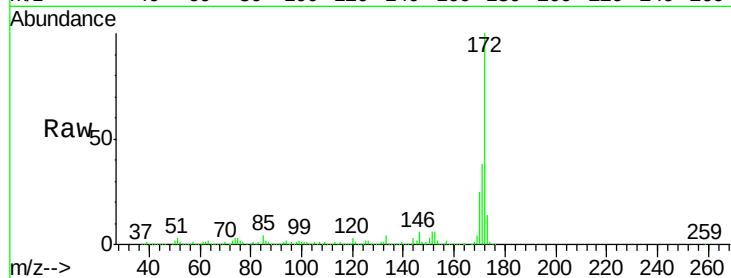
#44
2-Fluorobiphenyl
Concen: 100.101 ng
RT: 14.01 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Instrument :
BNA_G
ClientSampleId :
UST-1-2

Tot Ion:172 Resp: 1064443
Ion Ratio Lower Upper
172 100
171 38.0 30.0 45.0
170 24.6 19.5 29.3

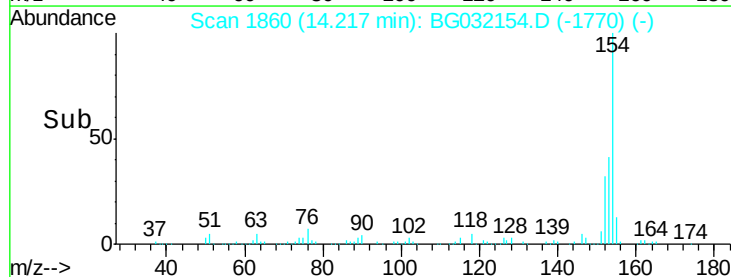
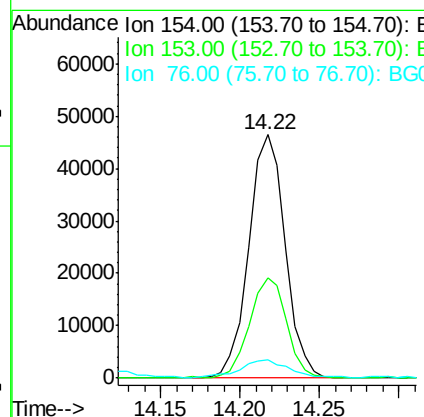
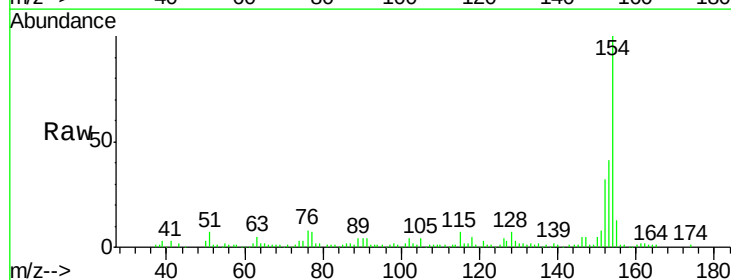
Manual Integrations
APPROVED

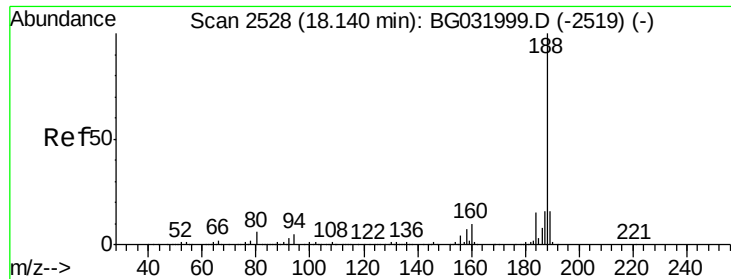
Sohil
1/22/2018 5:27:12 PM



#45
1,1'-Biphenyl
Concen: 6.550 ng
RT: 14.22 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Tgt Ion:154 Resp: 74036
Ion Ratio Lower Upper
154 100
153 41.0 19.8 59.8
76 7.7 0.0 31.9





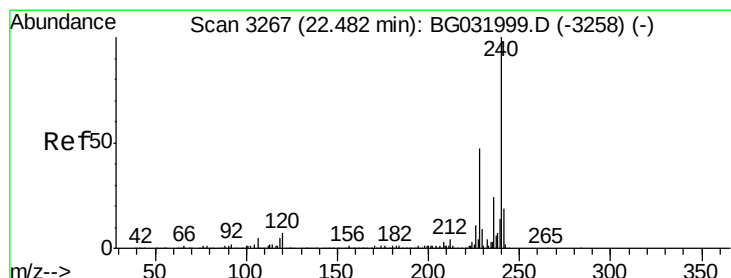
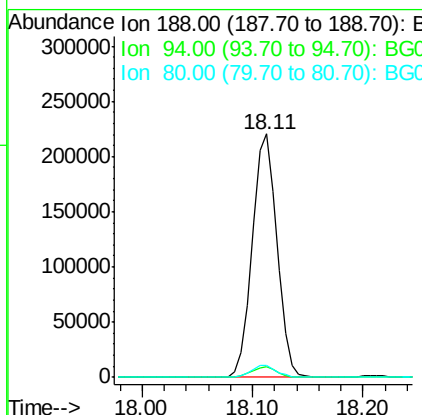
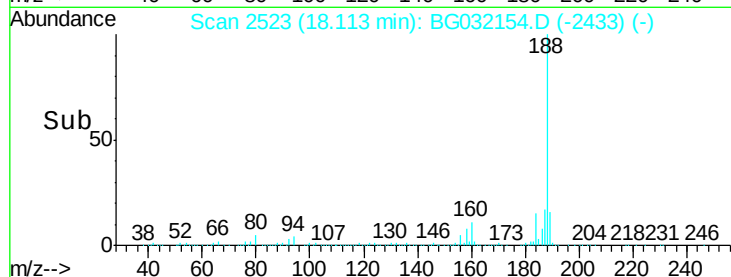
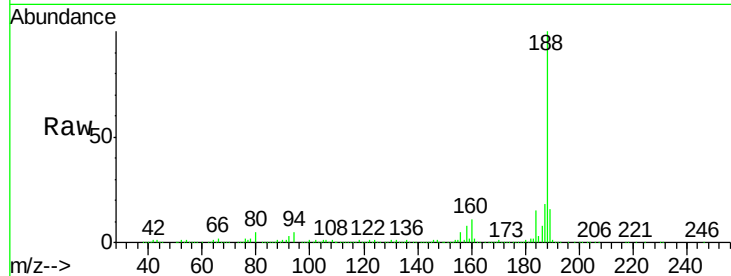
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.11 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Instrument :
BNA_G
ClientSampled :
UST-1-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	4.5	6.9	10.3#
80	4.8	7.7	11.5#

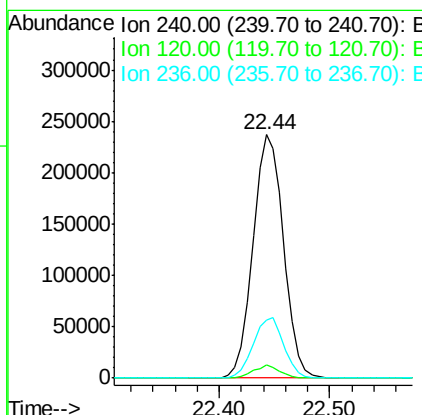
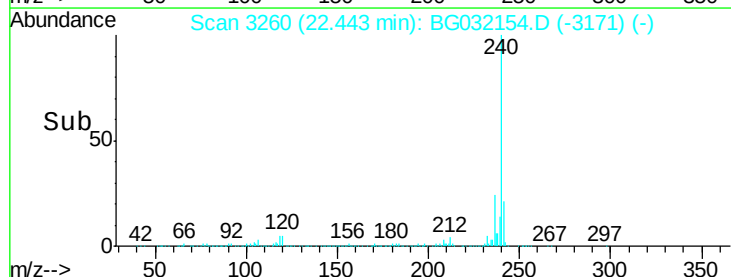
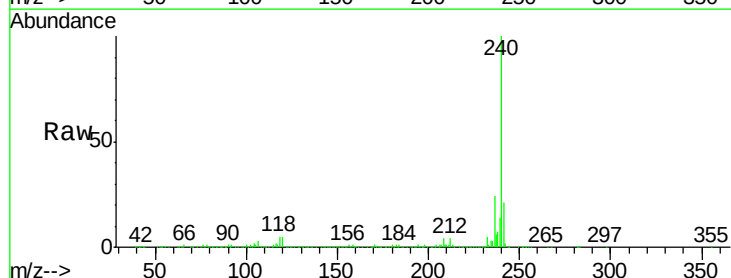
Manual Integrations
APPROVED

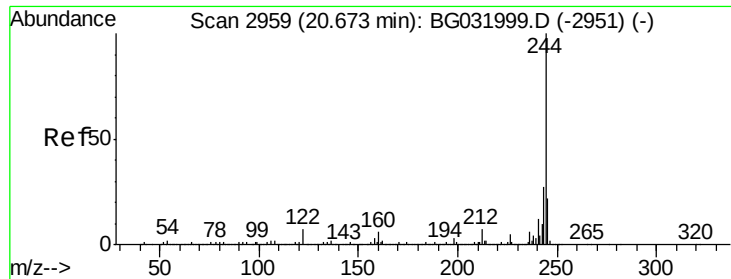
Sohil
1/22/2018 5:27:12 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.44 min Scan# 3260
Delta R.T. -0.01 min
Lab File: BG032154.D
Acq: 19 Jan 2018 16:36

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	5.3	6.8	10.2#
236	24.0	20.9	31.3





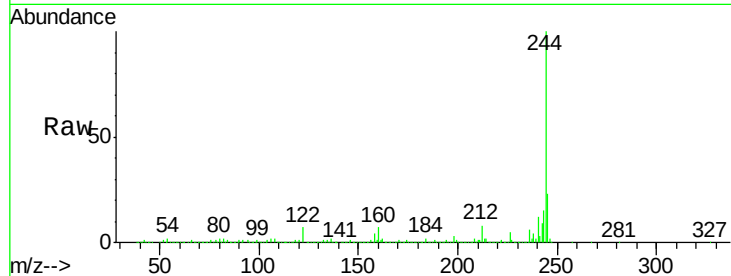
#78
 Terphenyl-d14
 Concen: 96.987 ng
 RT: 20.65 min Scan# 2955
 Delta R.T. -0.00 min
 Lab File: BG032154.D
 Acq: 19 Jan 2018 16:36

Instrument :
 BNA_G
 ClientSampled :
 UST-1-2

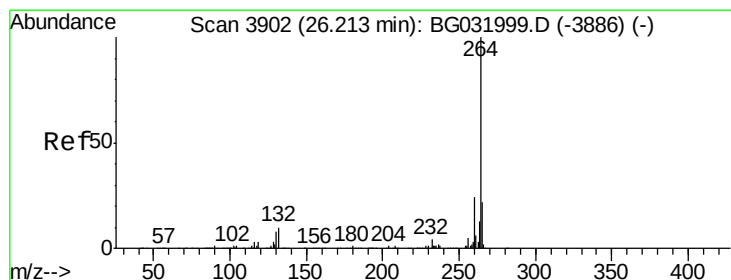
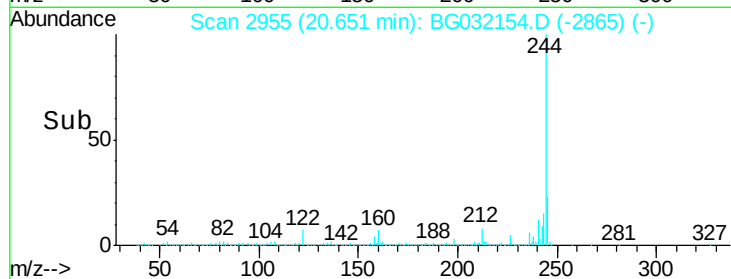
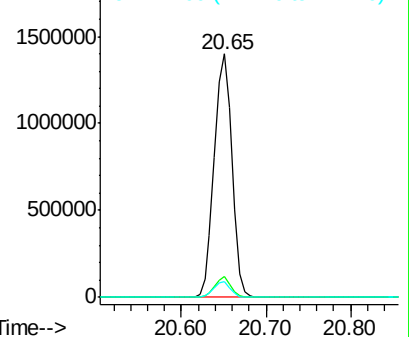
Tot Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.8	8.8
122	6.7	7.0	10.4

Manual Integrations
 APPROVED

Sohil
 1/22/2018 5:27:12 PM

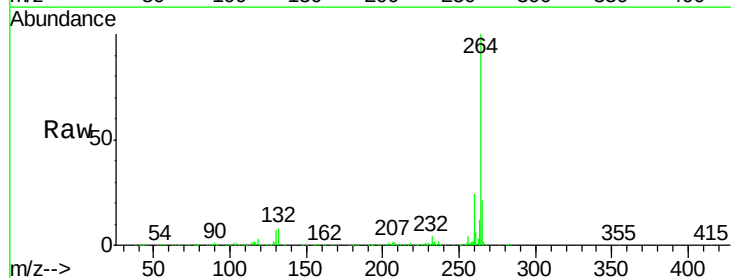


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 26.14 min Scan# 3890
 Delta R.T. -0.01 min
 Lab File: BG032154.D
 Acq: 19 Jan 2018 16:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	17.4	26.0
265	20.9	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

