

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
 Data File : BG045814.D
 Acq On : 19 Jun 2020 14:05
 Operator : CG/JU
 Sample : L3033-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW001-200615

Manual Integrations
 APPROVED

mohammad
 6/22/2020 3:24:16 PM

Quant Time: Jun 19 15:03:30 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	50944	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	200716	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	141380	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	299483	20.00	ng	0.00
76) Chrysene-d12	21.57	240	292309	20.00	ng	0.00
86) Perylene-d12	24.70	264	323818	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	147947	49.06	ng	0.00
7) Phenol-d6	7.15	99	179200	39.06	ng	-0.01
23) Nitrobenzene-d5	9.09	82	338474	77.04	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	234851	110.03	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	733579	76.25	ng	0.00
79) Terphenyl-d14	19.94	244	1218544	84.48	ng	0.00

Target Compounds					Qvalue	
10) Phenol	7.18	94	179431	40.369	ng	96
12) 1,3-Dichlorobenzene	7.81	146	117961	30.664	ng	99
13) 1,4-Dichlorobenzene	7.95	146	283093	73.674	ng	96
14) 1,2-Dichlorobenzene	8.28	146	1668486m	453.567	ng	
17) 2-Methylphenol	8.42	107	251841	76.135	ng	97
20) 3+4-Methylphenols	8.76	107	1620602	372.526	ng	# 75
27) 2,4-Dimethylphenol	9.97	122	186890	62.720	ng	91
30) 1,2,4-Trichlorobenzene	10.59	180	14349	3.486	ng	95
31) Naphthalene	10.78	128	953008	86.847	ng	98
37) 2-Methylnaphthalene	12.39	142	101992	12.482	ng	95
38) 1-Methylnaphthalene	12.60	142	85563m	11.065	ng	
46) 1,1'-Biophenyl	13.42	154	120667	11.921	ng	84
50) Dimethylphthalate	14.02	163	140796	12.712	ng	99
60) Diethylphthalate	15.39	149	50410	4.452	ng	96

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

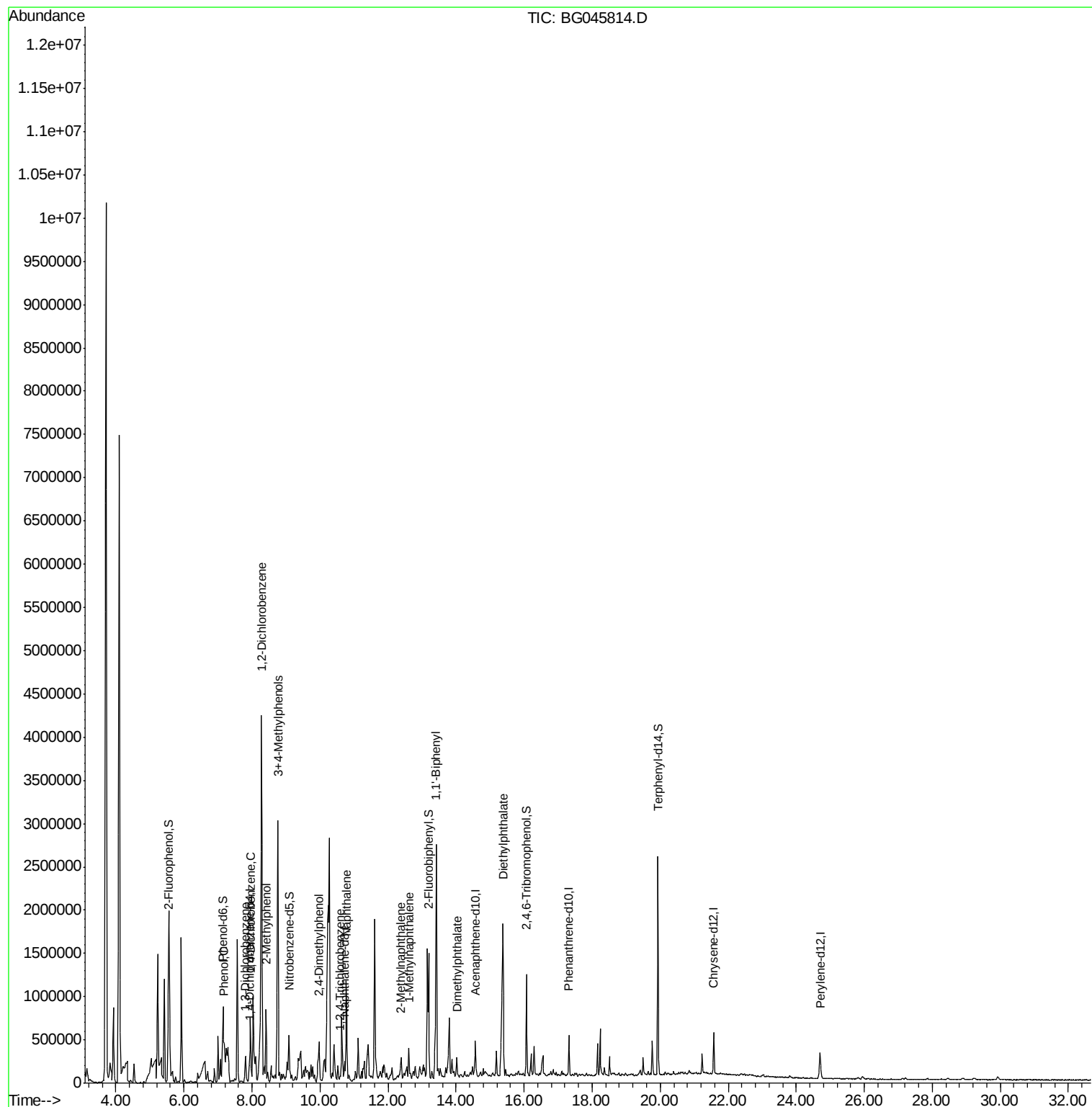
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
Data File : BG045814.D
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Sample : L3033-04
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ALS Vial : 9 Sample Multiplier: 1

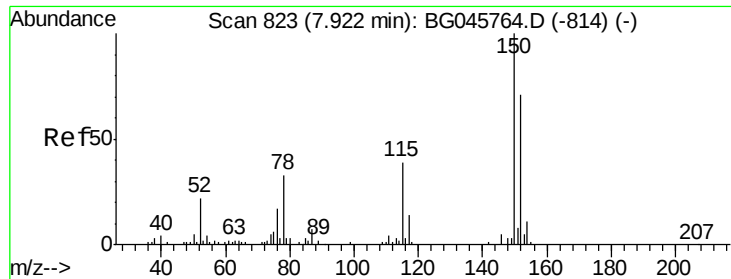
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

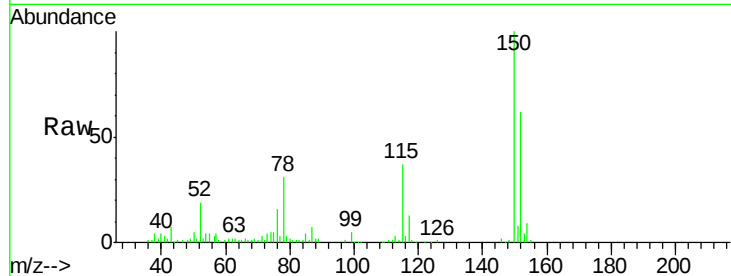
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	113.1	169.7
115	60.0	43.8	65.6

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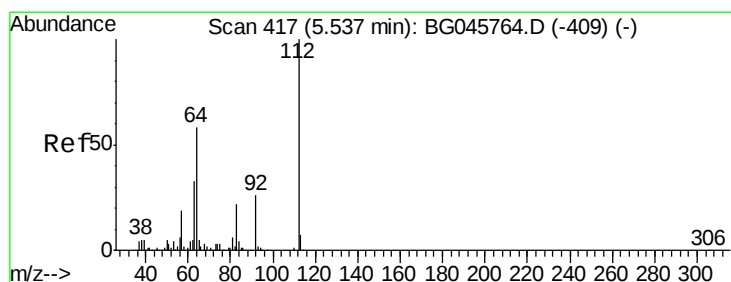
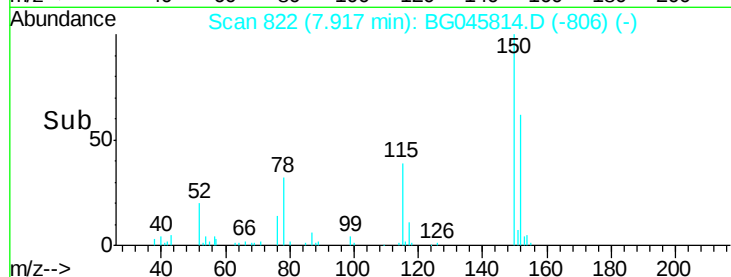
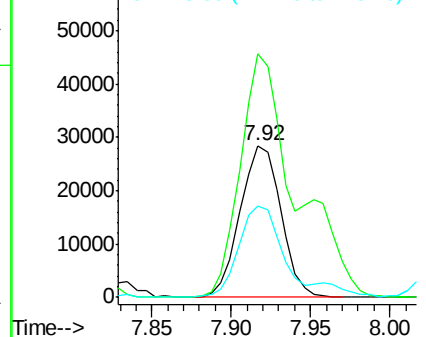


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

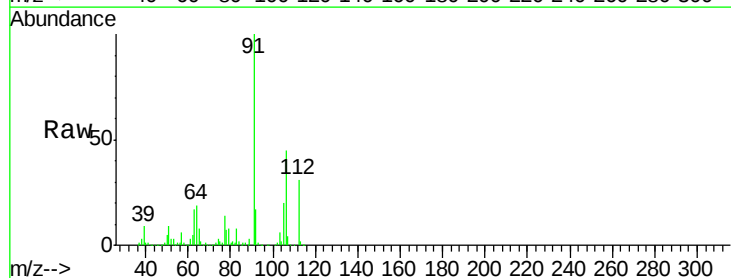
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.057 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.5	46.6	69.8
63	55.2	26.3	39.5

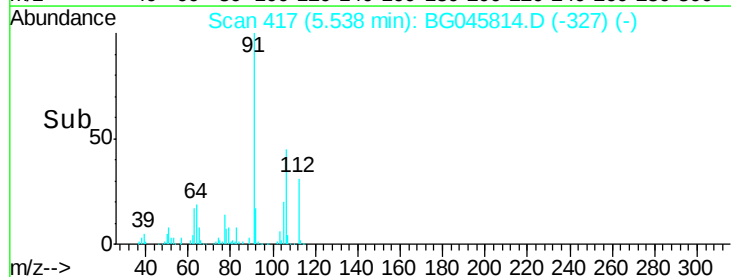
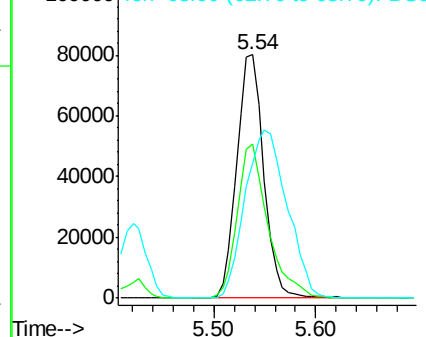


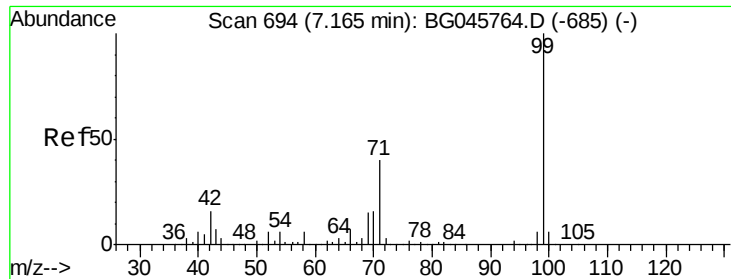
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 39.064 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615

Tot Ion: 99 Resp: 179200

Ion Ratio Lower Upper

99 100

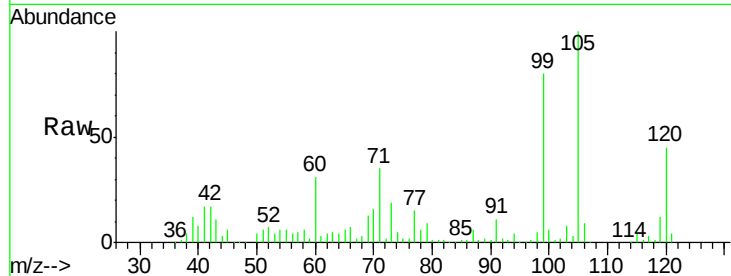
42 21.0 12.4 18.6#

71 43.2 32.1 48.1

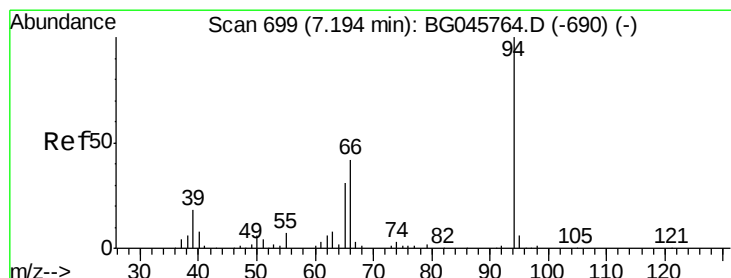
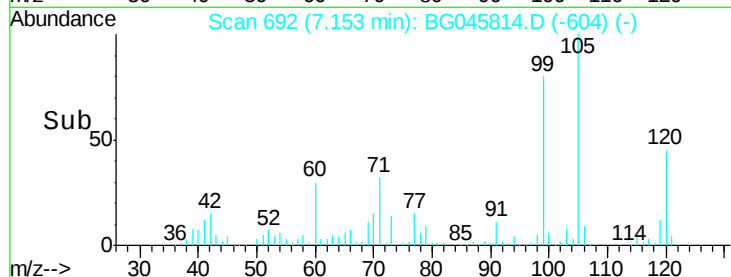
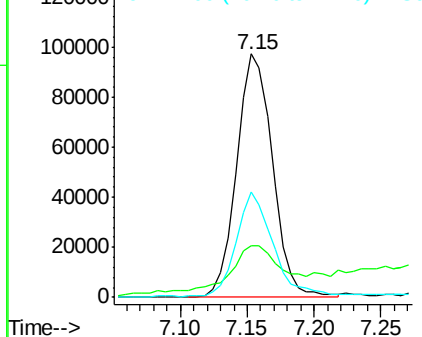
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Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#10

Phenol

Concen: 40.369 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.01 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

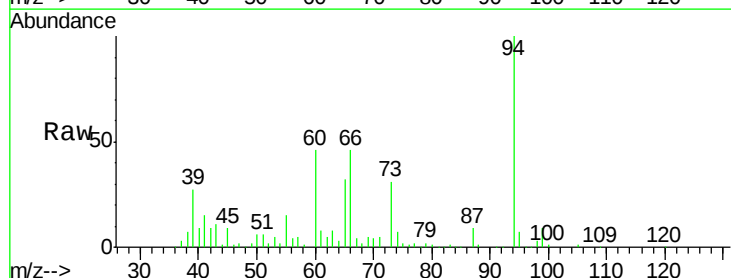
Tgt Ion: 94 Resp: 179431

Ion Ratio Lower Upper

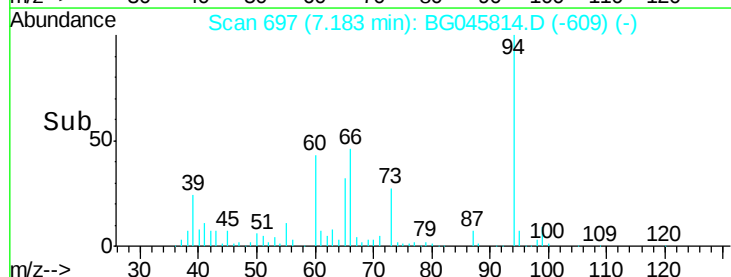
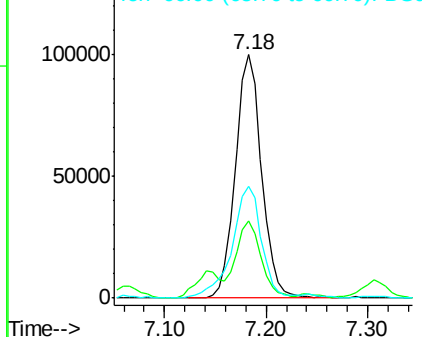
94 100

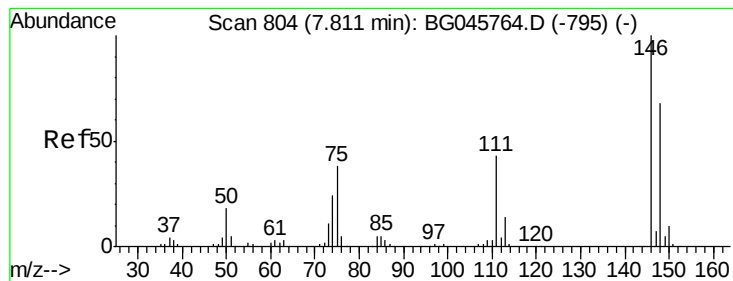
65 31.7 10.7 50.7

66 46.2 22.5 62.5



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#12

1,3-Dichlorobenzene

Concen: 30.664 ng

RT: 7.81 min Scan# 804

Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Instrument :

BNA_G

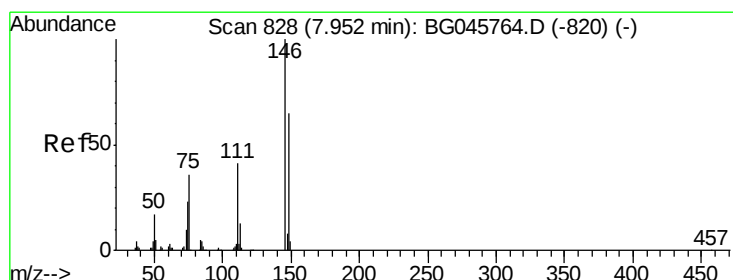
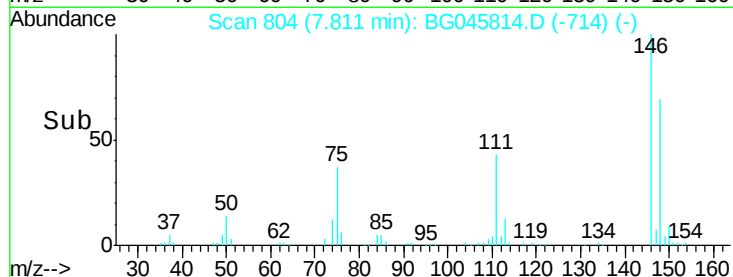
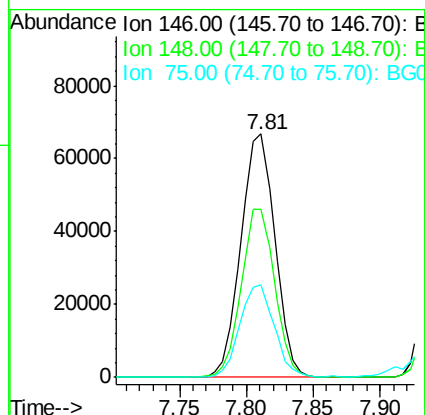
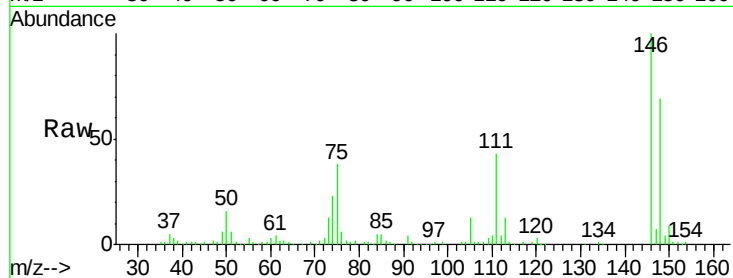
ClientSampleId :

LF001MW001-200615

Tot Ion:	146	Resp:	117961
Ion Ratio	Lower	Upper	
146	100		
148	68.8	54.2	81.4
75	38.3	30.1	45.1

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#13

1,4-Dichlorobenzene

Concen: 73.674 ng

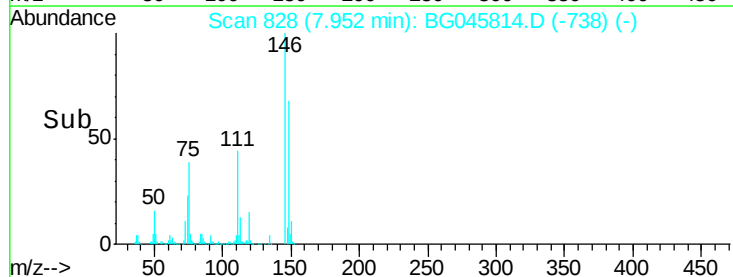
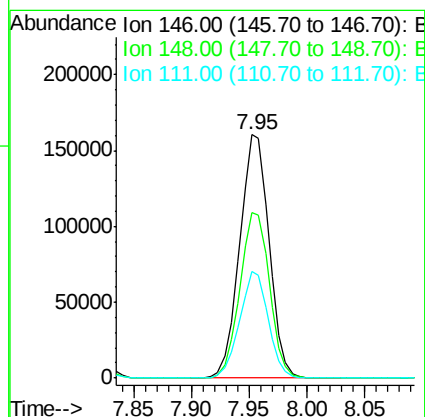
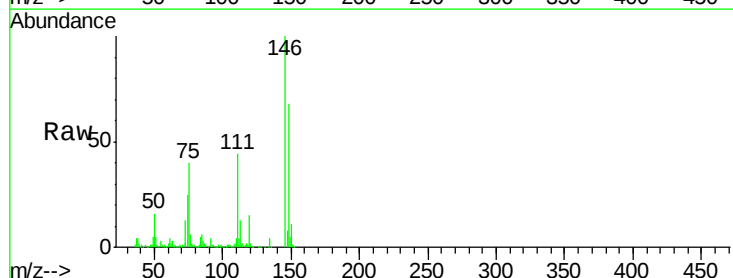
RT: 7.95 min Scan# 828

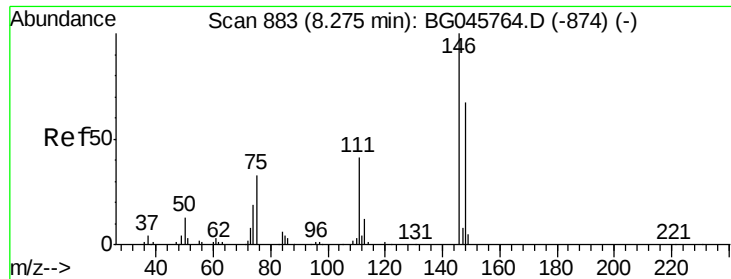
Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Tgt Ion:	146	Resp:	283093
Ion Ratio	Lower	Upper	
146	100		
148	67.8	51.8	77.6
111	43.8	32.8	49.2





#14

1,2-Dichlorobenzene

Concen: 453.567 ng/mL

RT: 8.28 min Scan# 884

Delta R.T. 0.01 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615

Tot Ion:146 Resp: 1668486

Ion Ratio Lower Upper

146 100

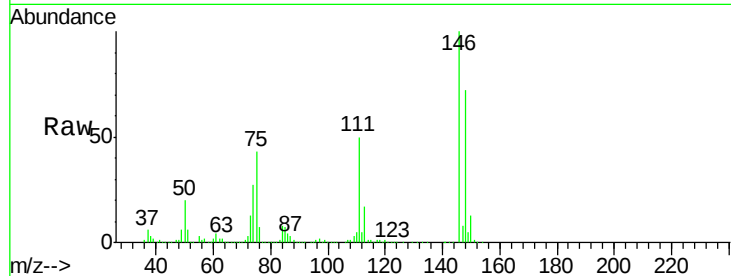
148 72.0 54.1 81.1

111 50.1 32.9 49.3#

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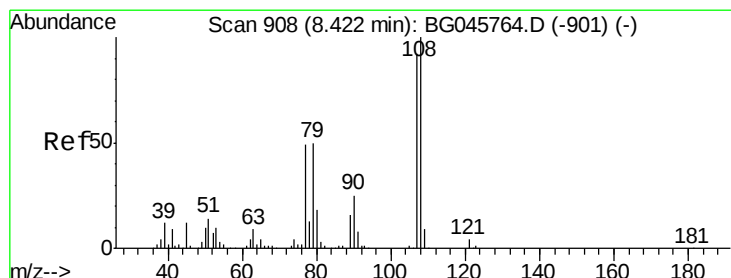
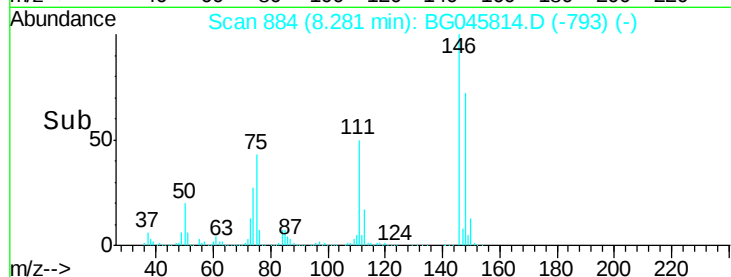
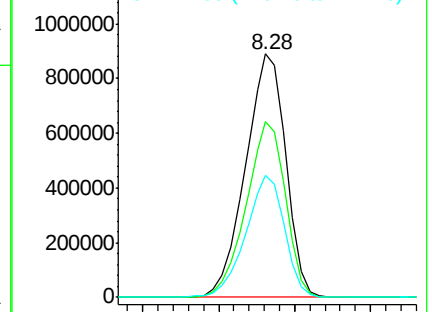


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 76.135 ng/mL

RT: 8.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Tgt Ion:107 Resp: 251841

Ion Ratio Lower Upper

107 100

108 111.6 87.4 131.0

77 55.6 42.5 63.7

79 56.7 44.0 66.0

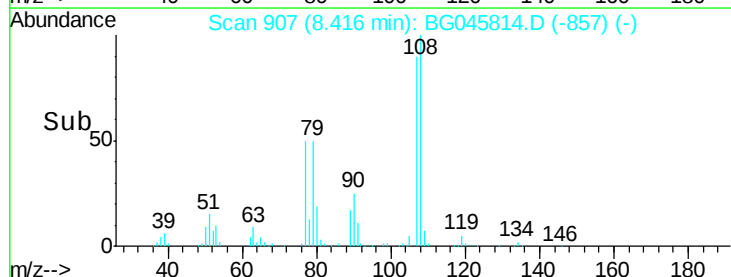
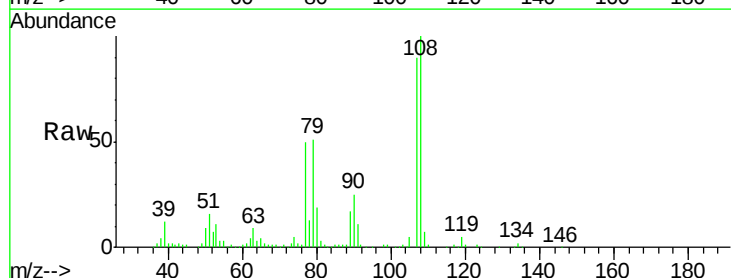
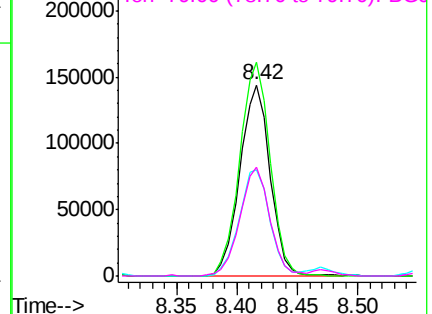
Abundance

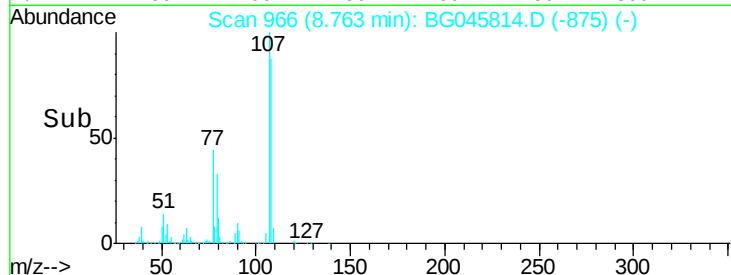
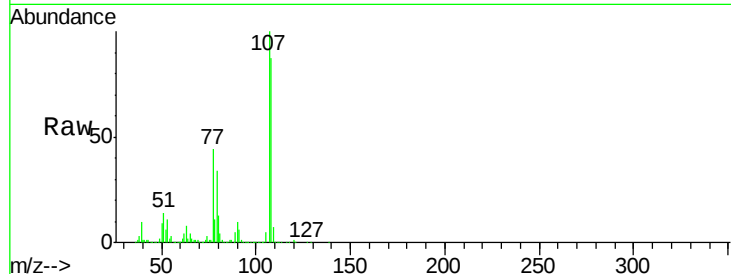
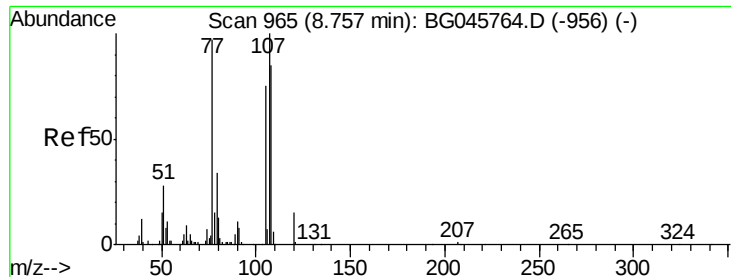
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

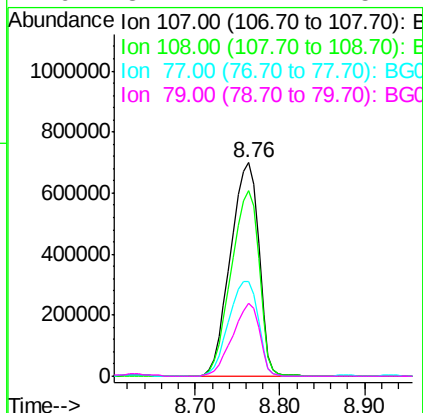
Ion 79.00 (78.70 to 79.70): BGC





#20
3+4-Methylphenols
Concen: 372.526 ng
RT: 8.76 min Scan# 966
Delta R.T. 0.01 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

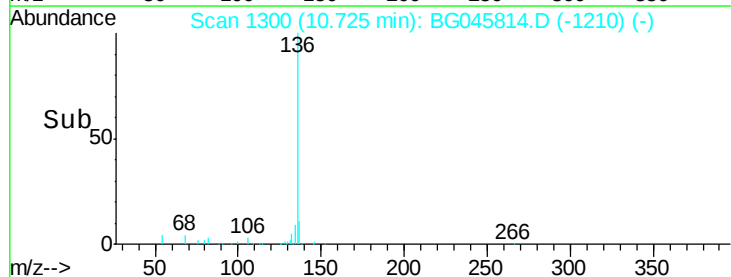
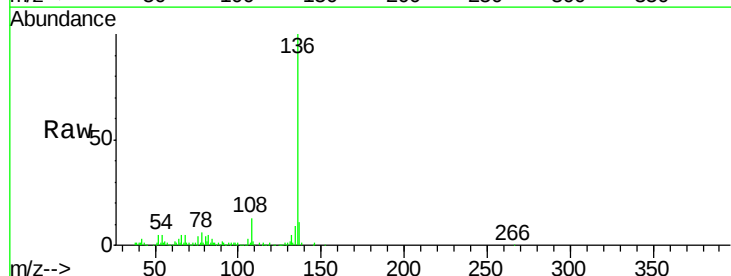
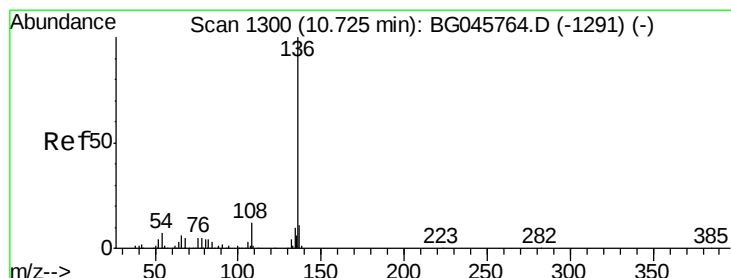
Tot Ion	Ratio	Lower	Upper
107	100		
108	86.9	65.4	105.4
77	44.1	77.2	117.2#
79	34.1	14.2	54.2



Instrument :
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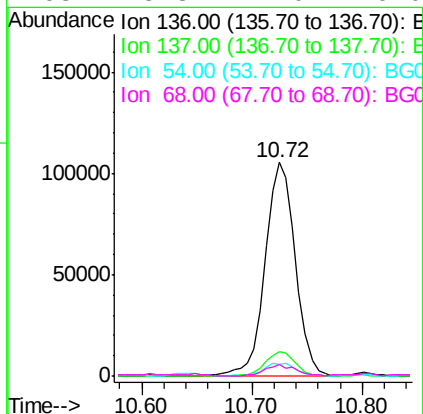
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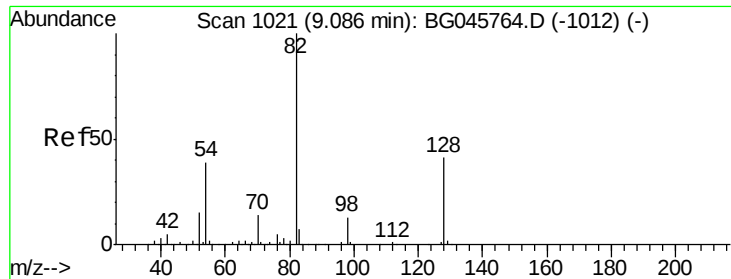
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	5.3	5.8	8.6#
68	5.3	4.0	6.0





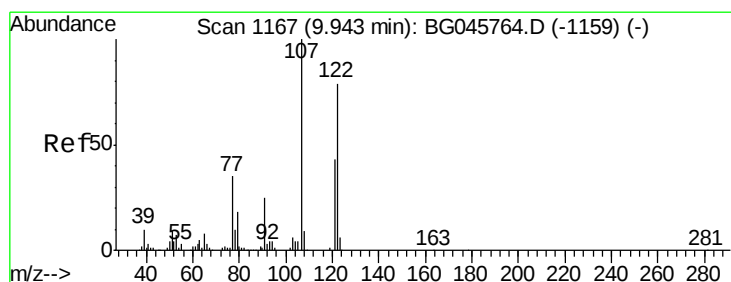
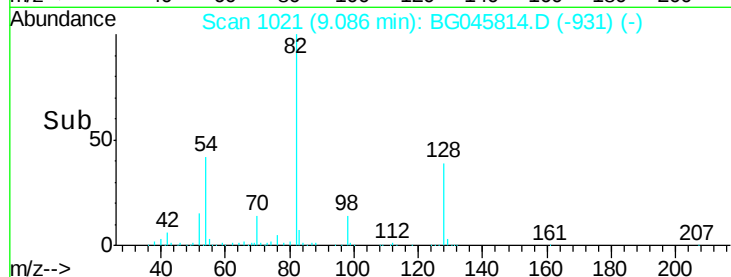
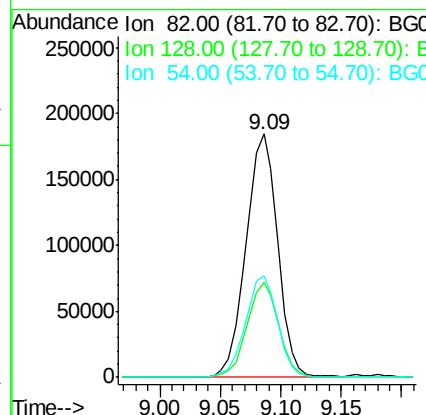
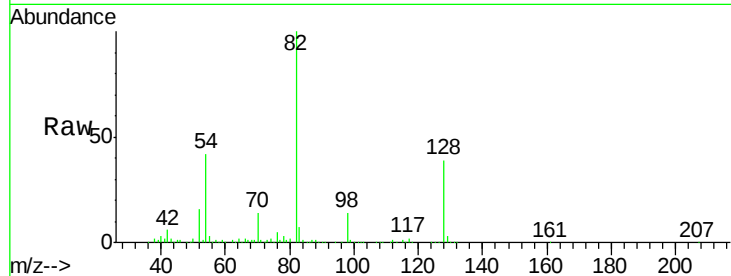
#23
 Nitrobenzene-d5
 Concen: 77.037 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. 0.00 min
 Lab File: BG045814.D
 Acq: 19 Jun 2020 14:05

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW001-200615

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.1	32.5	48.7	
54	41.7	31.2	46.8	

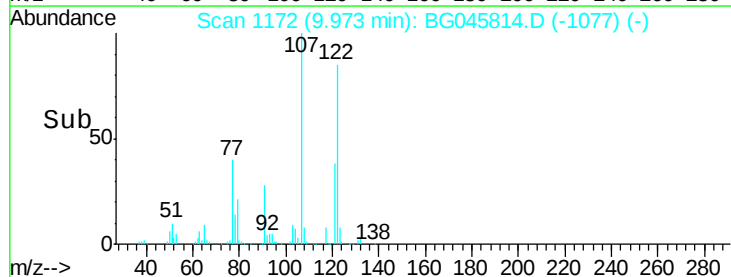
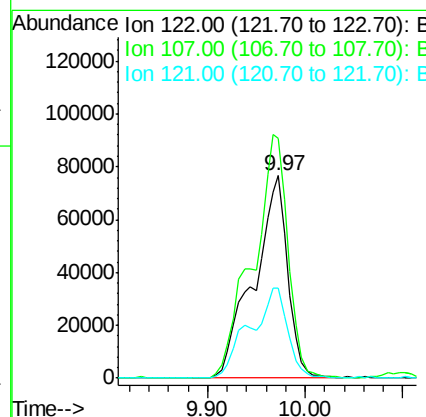
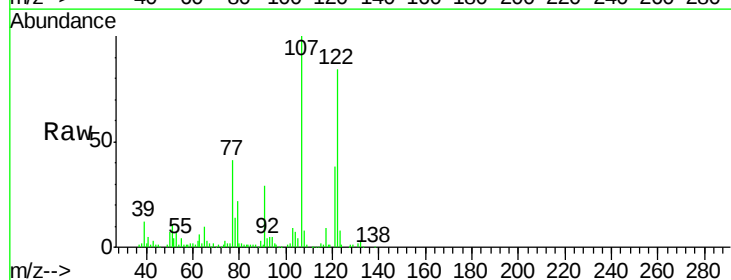
Manual Integrations
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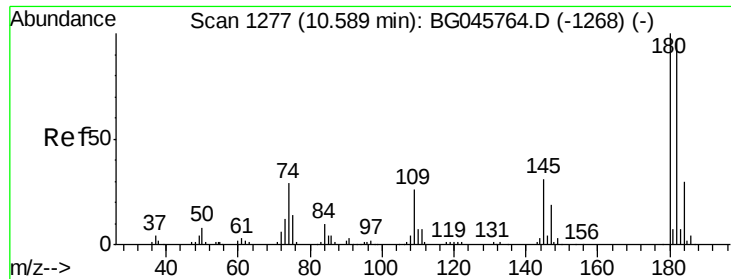
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#27
 2,4-Dimethylphenol
 Concen: 62.720 ng
 RT: 9.97 min Scan# 1172
 Delta R.T. 0.03 min
 Lab File: BG045814.D
 Acq: 19 Jun 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
107	118.6	101.3	151.9	
121	44.5	43.9	65.9	





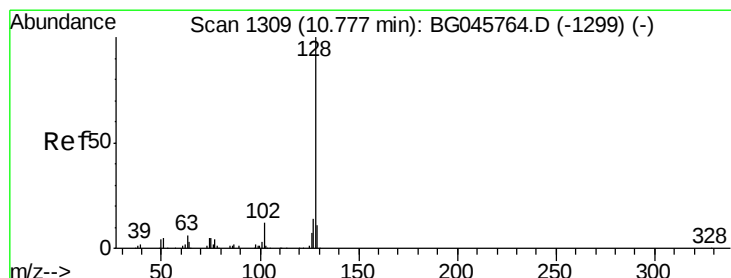
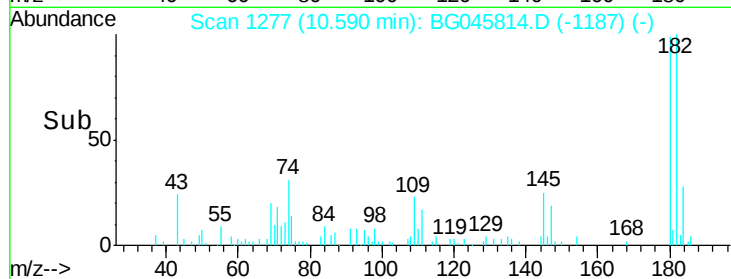
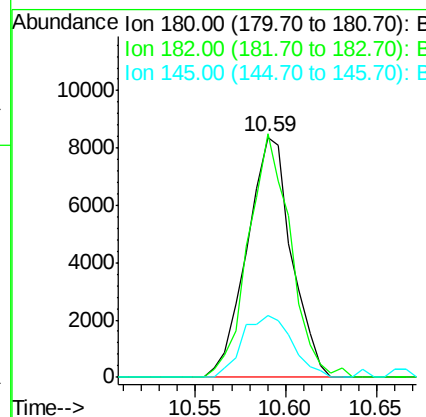
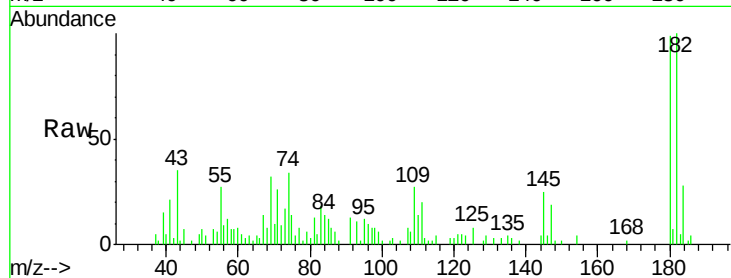
#30
 1,2,4-Trichlorobenzene
 Concen: 3.486 ng
 RT: 10.59 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: BG045814.D
 Acq: 19 Jun 2020 14:05

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW001-200615

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.4	77.8	116.6
145	25.7	24.5	36.7

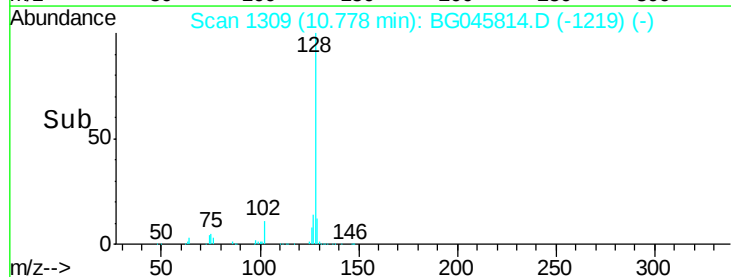
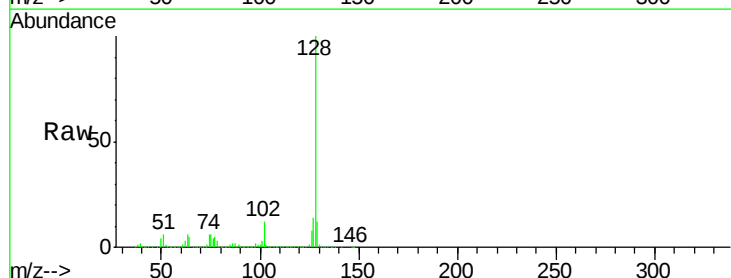
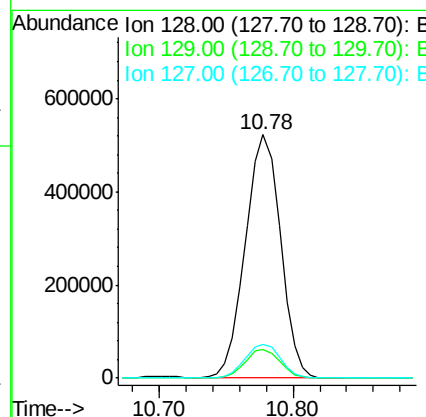
Manual Integrations
 APPROVED

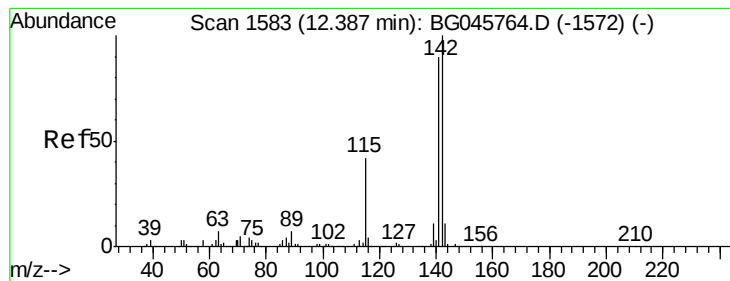
mohammad
 6/22/2020 3:24:16 PM



#31
 Naphthalene
 Concen: 86.847 ng
 RT: 10.78 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BG045814.D
 Acq: 19 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	13.0
127	13.9	10.9	16.3





#37

2-Methylnaphthalene

Concen: 12.482 ng

RT: 12.39 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Instrument :

BNA_G

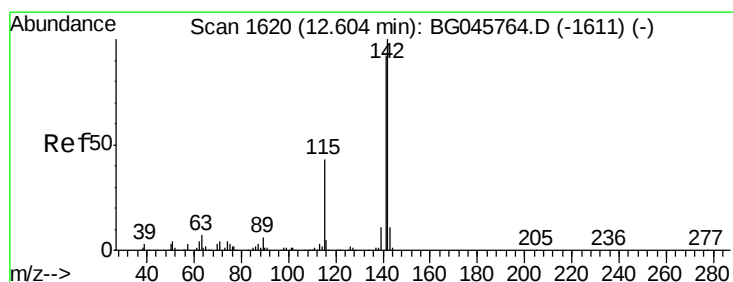
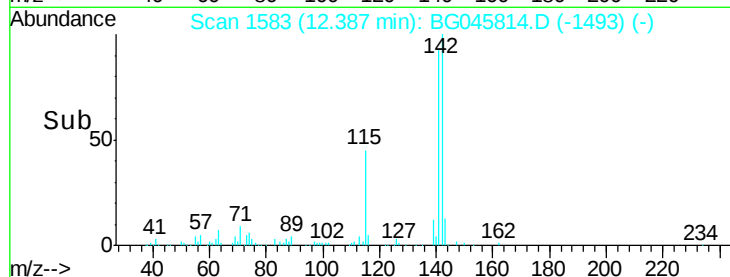
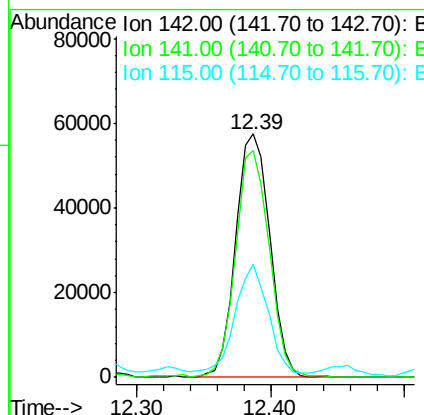
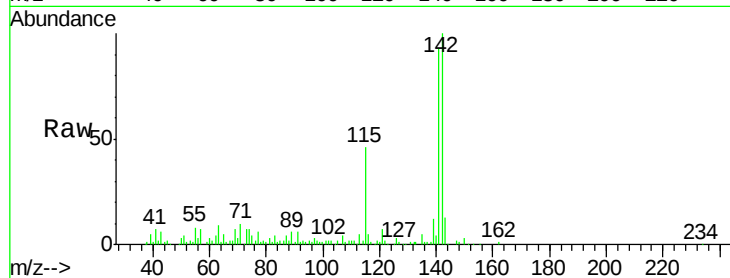
ClientSampleId :

LF001MW001-200615

Tot Ion:	142	Resp:	101992
Ion Ratio	Lower	Upper	
142	100		
141	93.4	71.7	107.5
115	46.4	33.8	50.6

Manual Integrations
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#38

1-Methylnaphthalene

Concen: 11.065 ng m

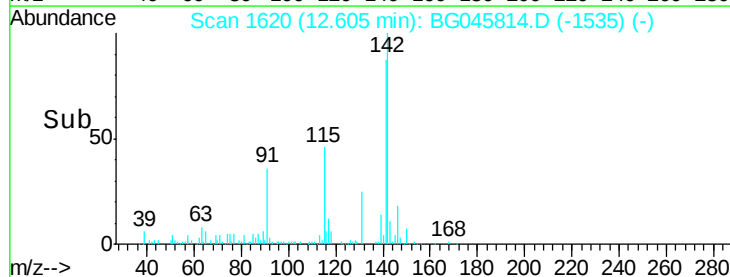
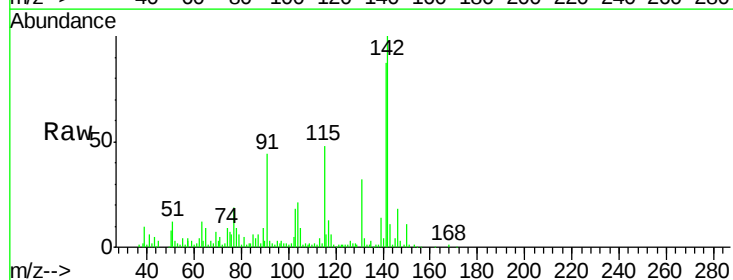
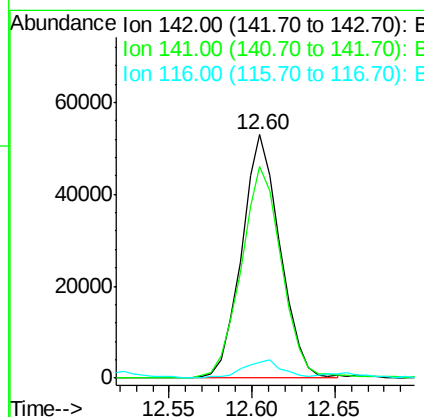
RT: 12.60 min Scan# 1620

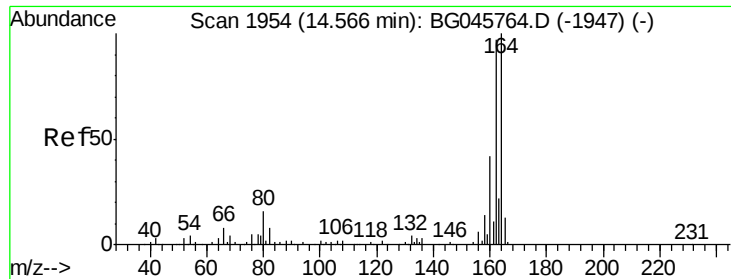
Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Tgt Ion:	142	Resp:	85563
Ion Ratio	Lower	Upper	
142	100		
141	86.8	73.8	110.8
116	6.4	3.8	5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615

Tot Ion:164 Resp: 141380

Ion Ratio Lower Upper

164 100

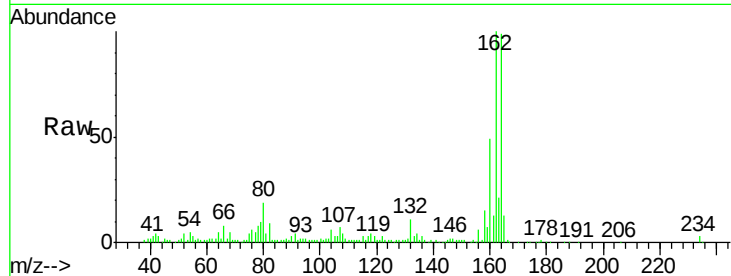
162 100.7 77.4 116.0

160 49.0 33.3 49.9

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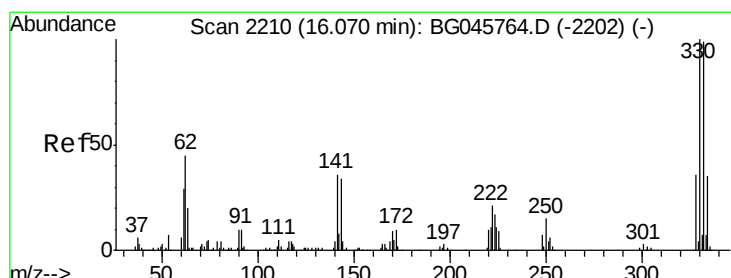
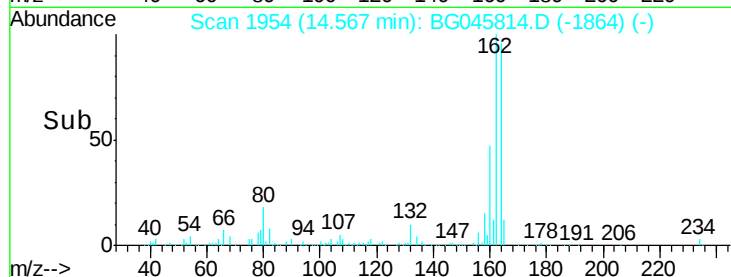
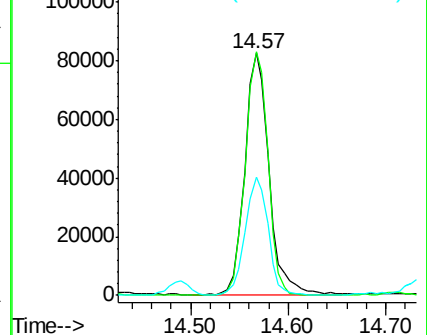
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 110.028 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

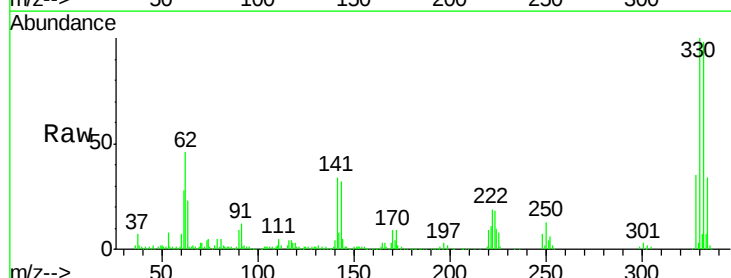
Tgt Ion:330 Resp: 234851

Ion Ratio Lower Upper

330 100

332 98.5 78.6 117.8

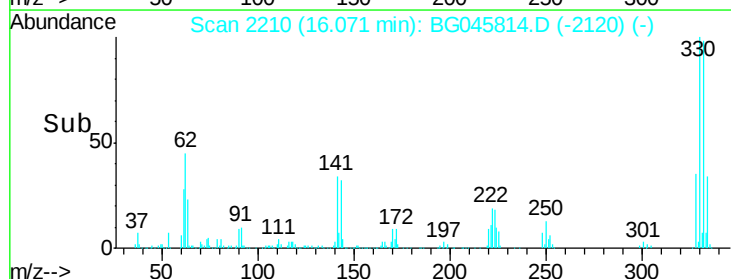
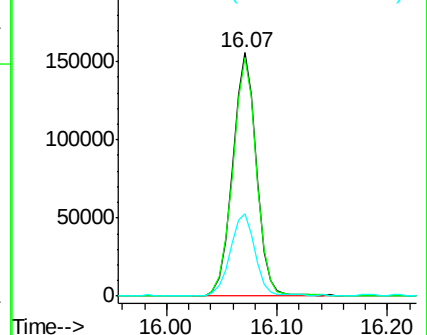
141 35.0 28.2 42.4

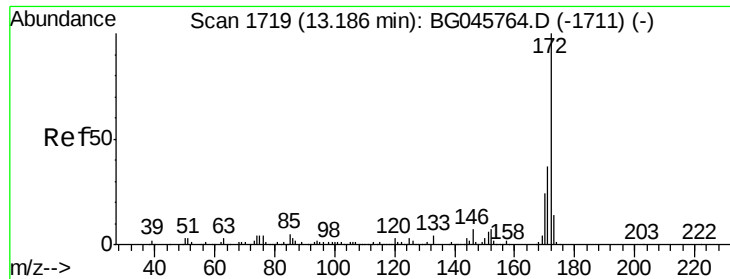


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





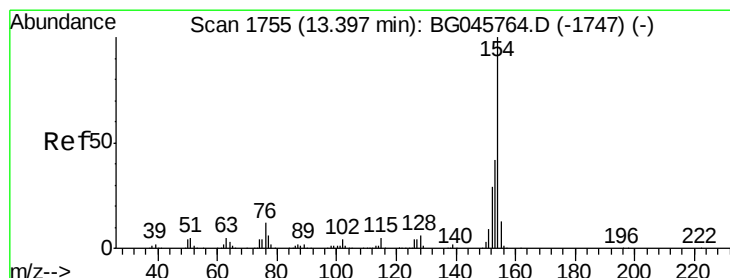
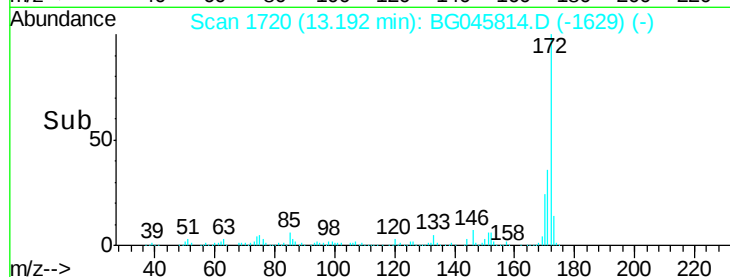
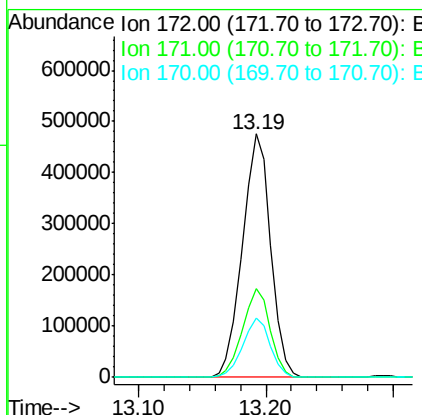
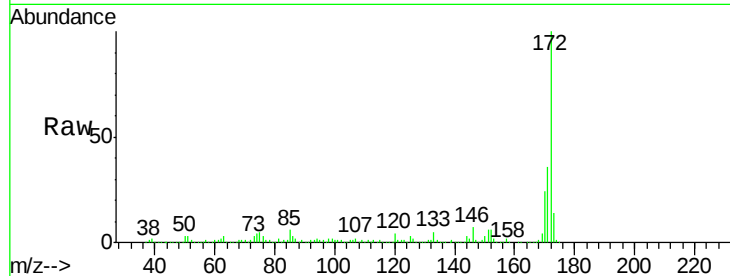
#45
2-Fluorobiphenyl
Concen: 76.251 ng
RT: 13.19 min Scan# 1720
Delta R.T. 0.01 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.9	44.9
170	24.3	19.3	28.9

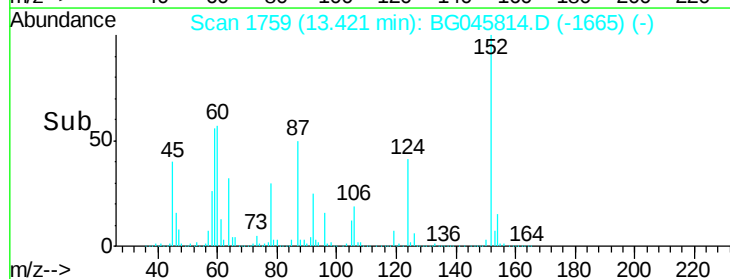
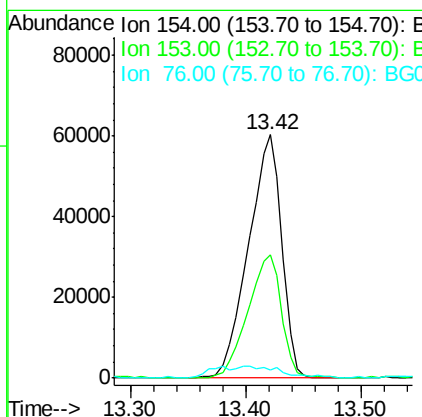
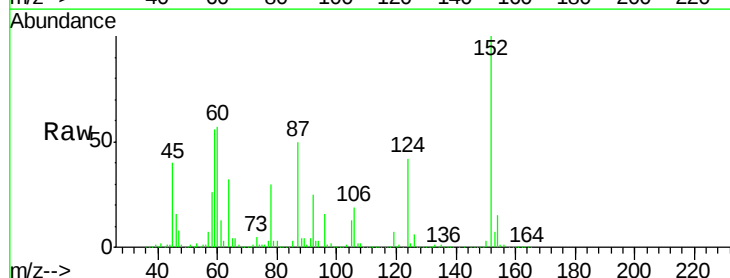
Manual Integrations
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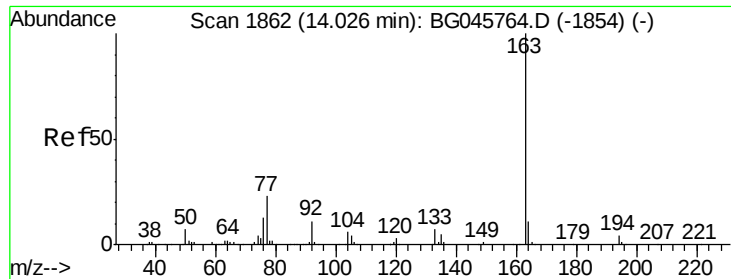
mohammad
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#46
1,1'-Biphenyl
Concen: 11.921 ng
RT: 13.42 min Scan# 1759
Delta R.T. 0.02 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
154	100		
153	50.6	21.7	61.7
76	3.5	0.0	32.0





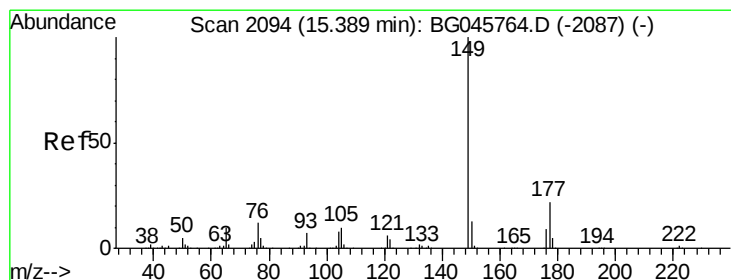
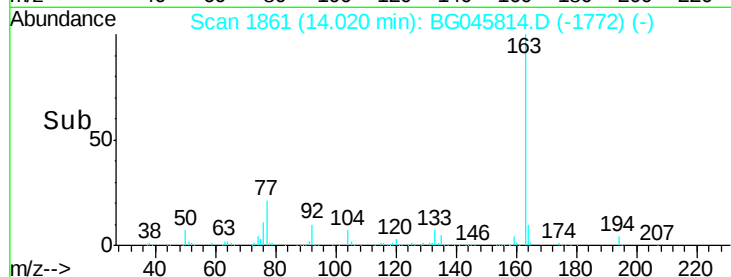
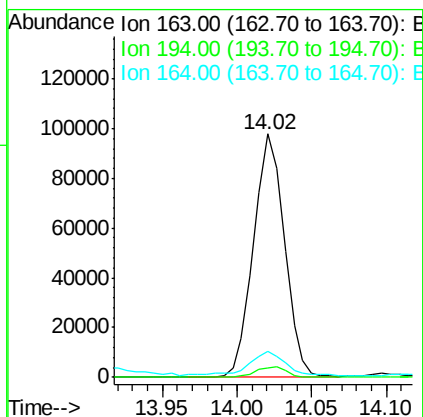
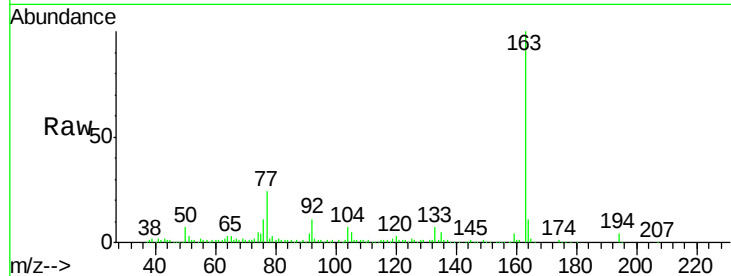
#50
Dimethylphthalate
Concen: 12.712 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615

Tot Ion	Ratio	Resp	Lower	Upper
163	100	140796		
194	3.9		3.4	5.0
164	10.7		8.9	13.3

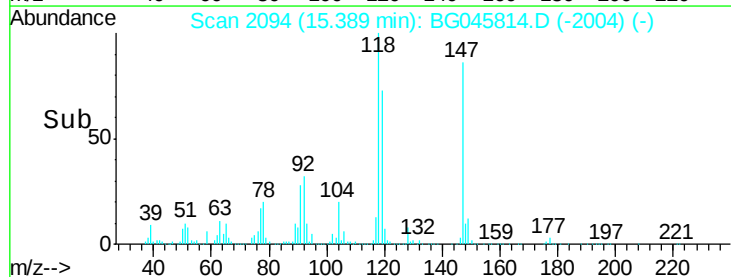
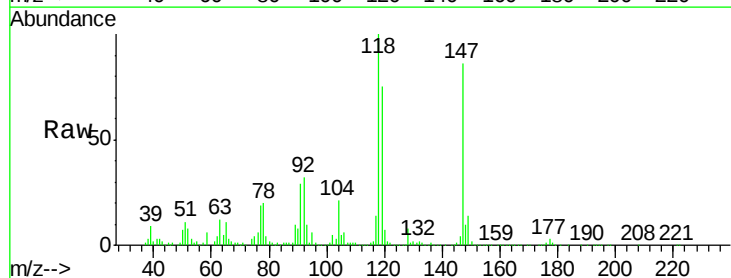
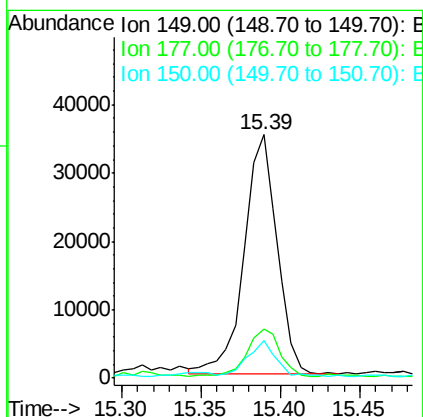
Manual Integrations
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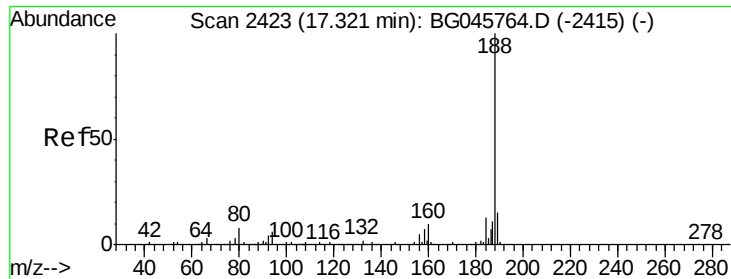
mohammad
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#60
Diethylphthalate
Concen: 4.452 ng
RT: 15.39 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	50410		
177	20.1		17.2	25.8
150	15.2		10.7	16.1





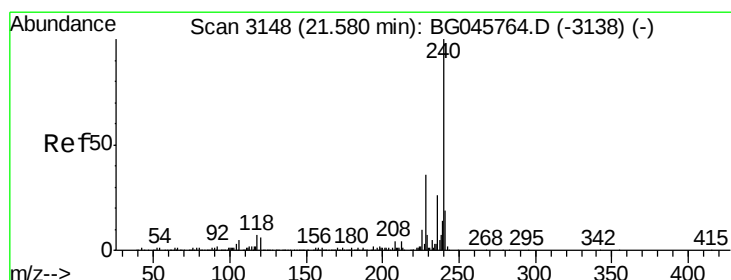
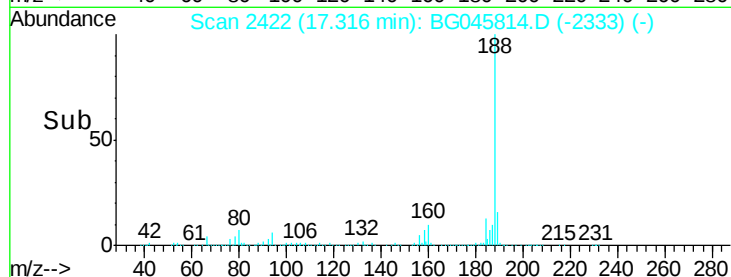
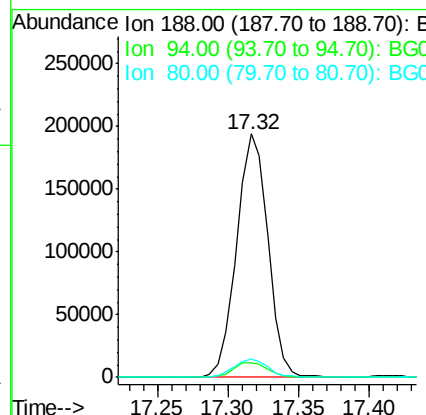
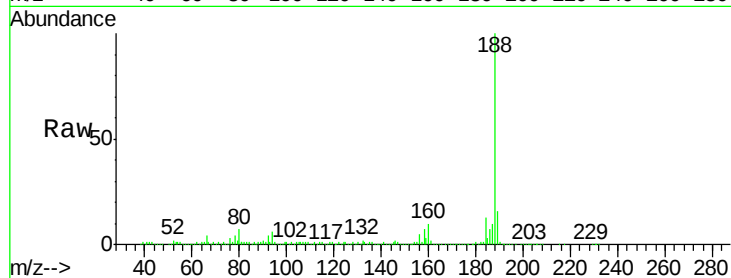
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.01 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Instrument :
BNA_G
ClientSampleId :
LF001MW001-200615

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.0	5.1	7.7
80	7.3	6.2	9.4

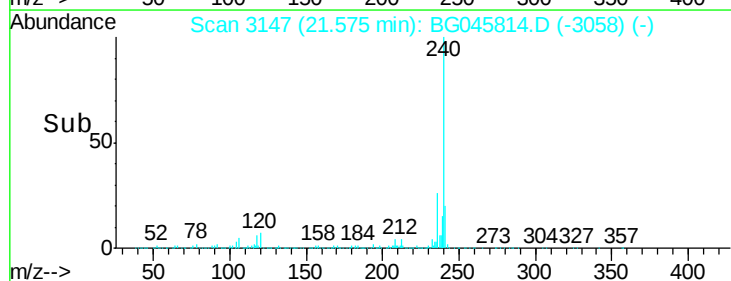
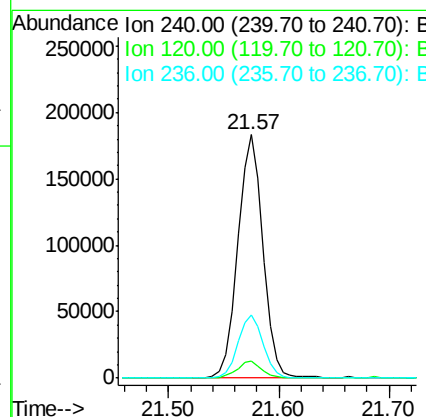
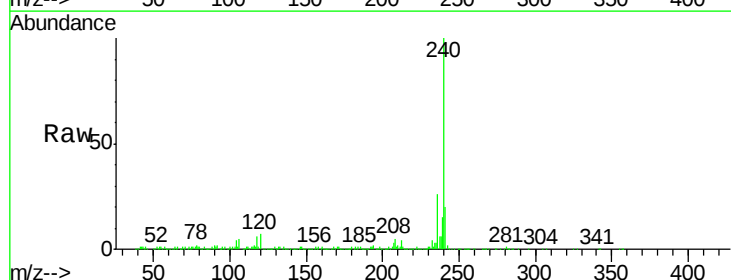
Manual Integrations
APPROVED

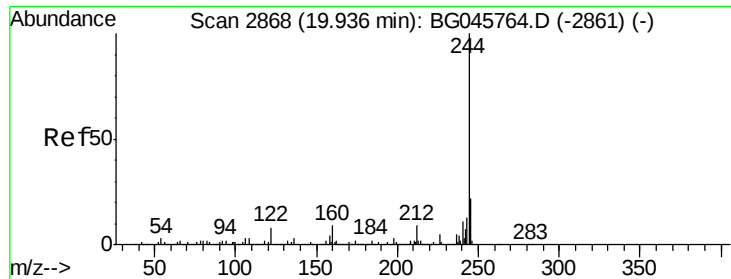
mohammad
6/22/2020 3:24:16 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3147
Delta R.T. -0.01 min
Lab File: BG045814.D
Acq: 19 Jun 2020 14:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.0	5.0	7.4
236	25.9	20.6	30.8





#79

Terphenyl-d14

Concen: 84.482 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

Instrument :

BNA_G

ClientSampleId :

LF001MW001-200615

Tot Ion:244 Resp: 1218544

Ion Ratio Lower Upper

244 100

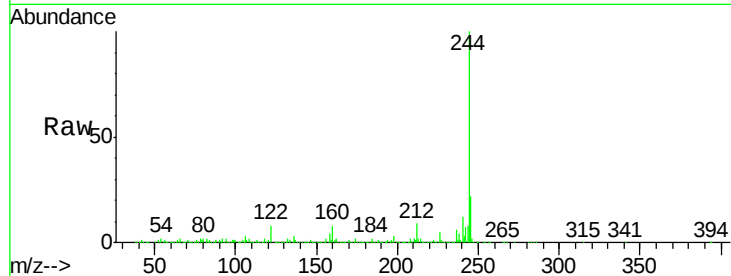
212 9.0 7.2 10.8

122 7.7 6.4 9.6

Manual Integrations
APPROVED

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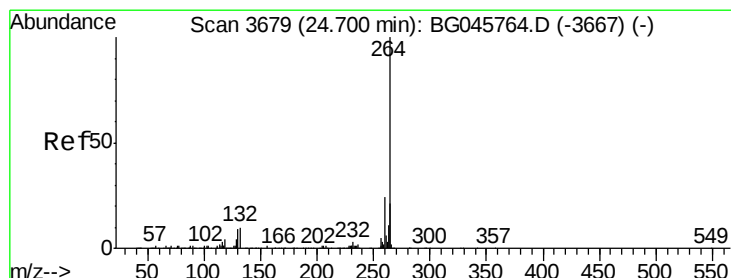
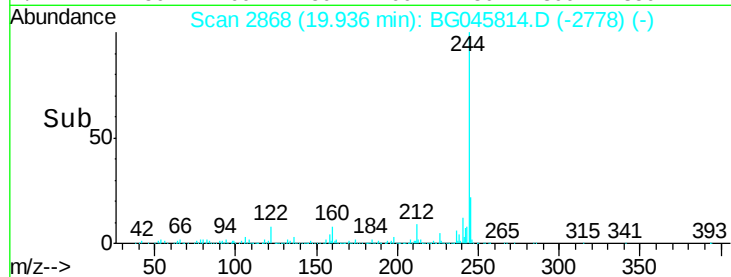
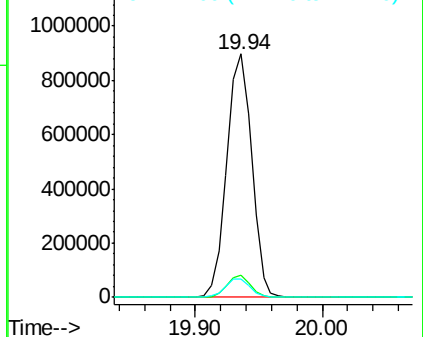
6/22/2020 3:24:16 PM



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: 24.70 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BG045814.D

Acq: 19 Jun 2020 14:05

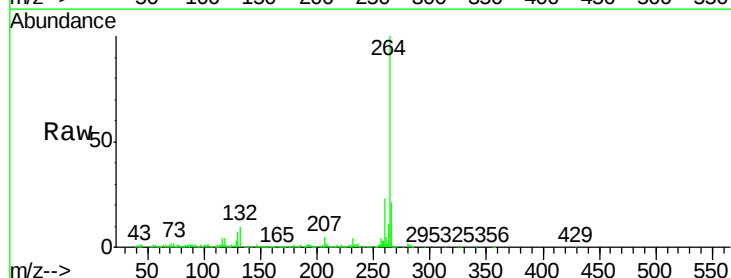
Tgt Ion:264 Resp: 323818

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.1 17.4 26.0



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

