

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042120\
 Data File : BG045120.D
 Acq On : 21 Apr 2020 20:37
 Operator : CG/JU
 Sample : L2332-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-8

Quant Time: Apr 22 00:27:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 11:57:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	59590	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	245839	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	193209	20.00	ng	-0.01
64) Phenanthrene-d10	17.40	188	481310	20.00	ng	-0.01
76) Chrysene-d12	21.66	240	468381	20.00	ng	-0.02
87) Perylene-d12	24.85	264	507909	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	496929	137.67	ng	0.00
7) Phenol-d6	7.18	99	680970	126.98	ng	-0.02
23) Nitrobenzene-d5	9.17	82	552143	102.48	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	461290	154.55	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	1336104	101.40	ng	-0.01
79) Terphenyl-d14	20.01	244	2299781	107.02	ng	0.00

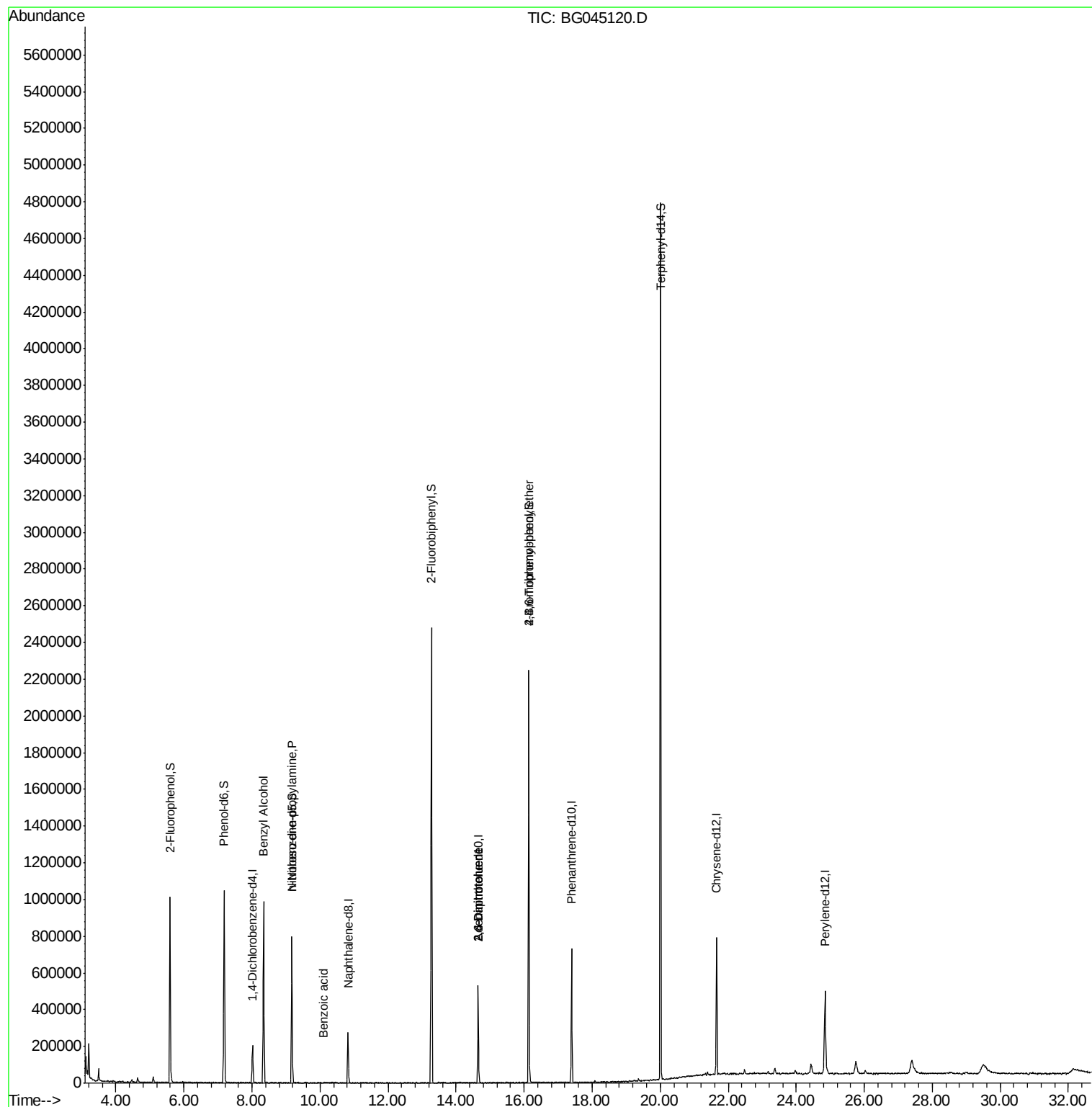
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.19	77	1483	Below Cal	#	4
15) Benzyl Alcohol	8.35	79	9163	2.038 ng	#	55
19) n-Nitroso-di-n-propylamine	9.17	70	74886	19.746 ng	#	78
32) Benzoic acid	10.09	122	76	6.395 ng	#	89
51) 2,6-Dinitrotoluene	14.65	165	25467	7.237 ng	#	25
57) 2,4-Dinitrotoluene	14.65	165	25467	4.952 ng	#	23
67) 4-Bromophenyl-phenylether	16.14	248	31568	5.084 ng	#	1
69) Atrazine	16.93	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1129	Below Cal	#	76
75) Fluoranthene	19.43	202	84	Below Cal	#	62
77) Benzydine	20.01	184	44962	Below Cal	#	91

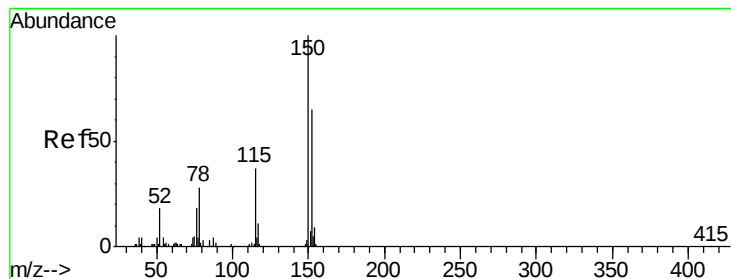
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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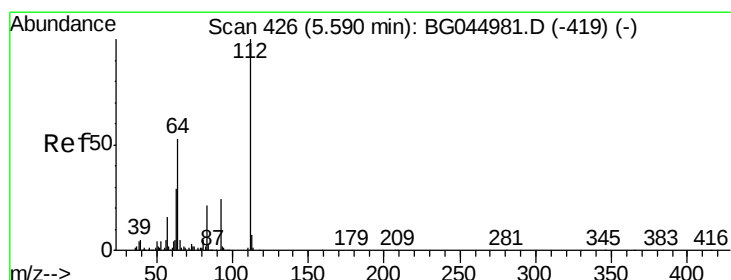
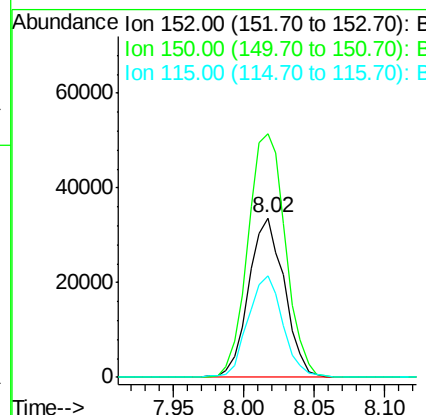
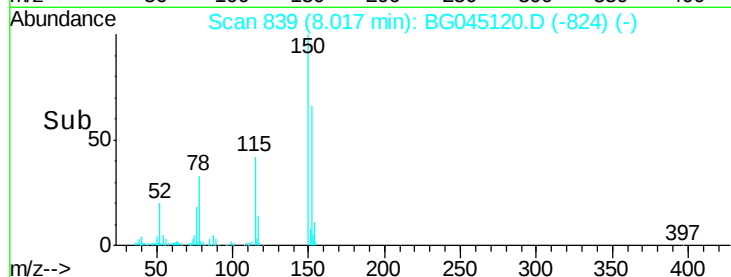
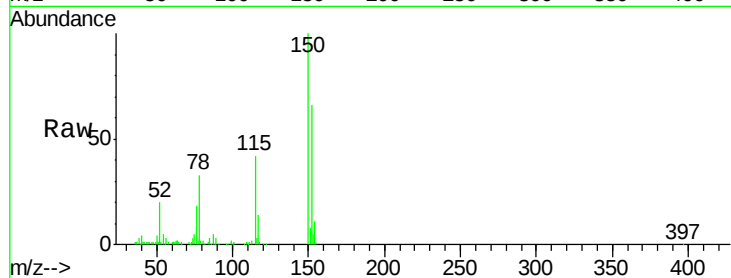




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BG045120.D
 Acq: 21 Apr 2020 20:37

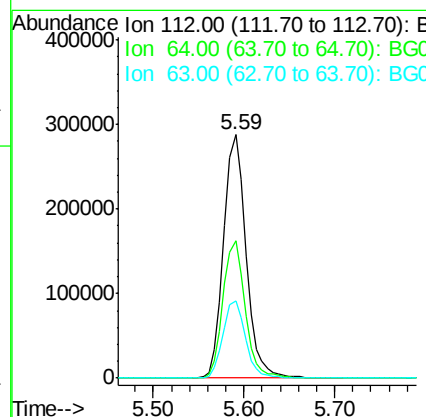
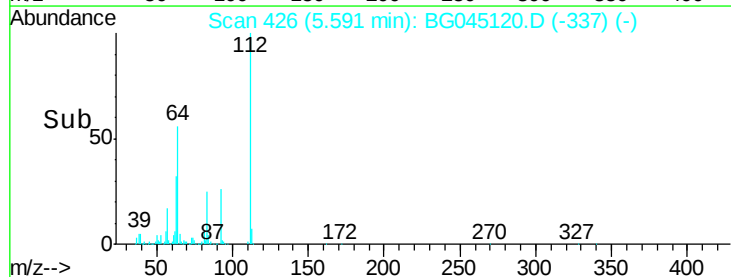
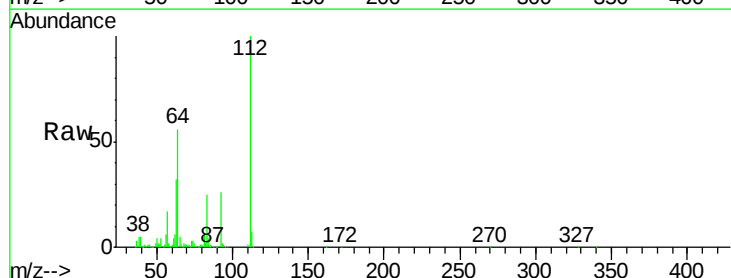
Instrument :
 BNA_G
 ClientSampleId :
 TP-8

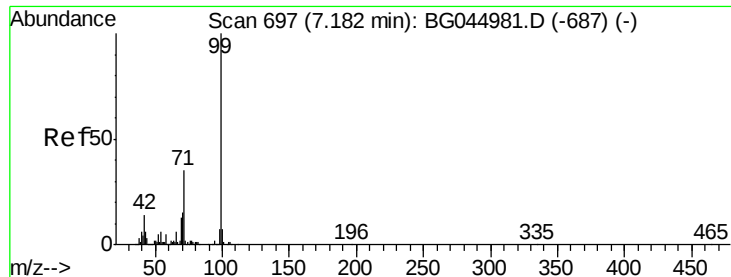
Tot Ion:	152	Resp:	59590
Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.6	185.4
115	63.8	49.1	73.7



#5
 2-Fluorophenol
 Concen: 137.675 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: BG045120.D
 Acq: 21 Apr 2020 20:37

Tgt Ion:	112	Resp:	496929
Ion	Ratio	Lower	Upper
112	100		
64	56.3	42.4	63.6
63	31.6	23.1	34.7





#7

Phenol-d6

Concen: 126.982 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

Instrument :

BNA_G

ClientSampleId :

TP-8

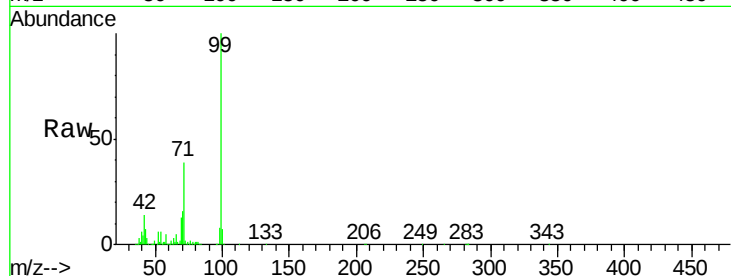
Tot Ion: 99 Resp: 680970

Ion Ratio Lower Upper

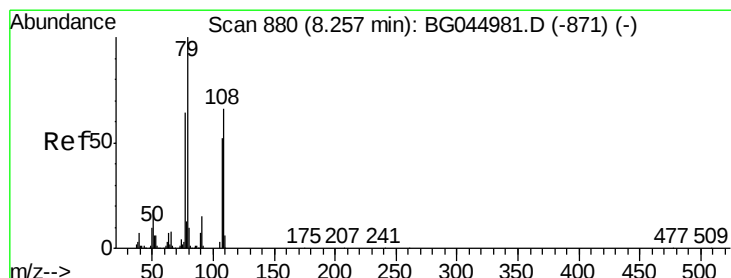
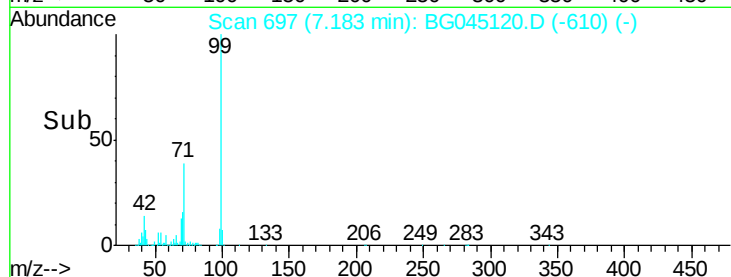
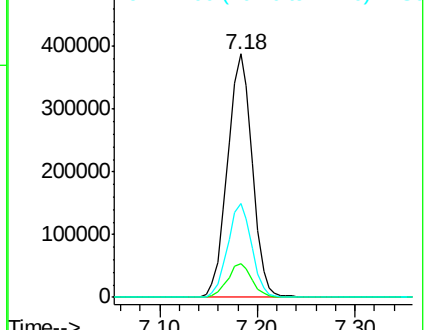
99 100

42 13.6 11.3 16.9

71 38.6 28.3 42.5



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



#15

Benzyl Alcohol

Concen: 2.038 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

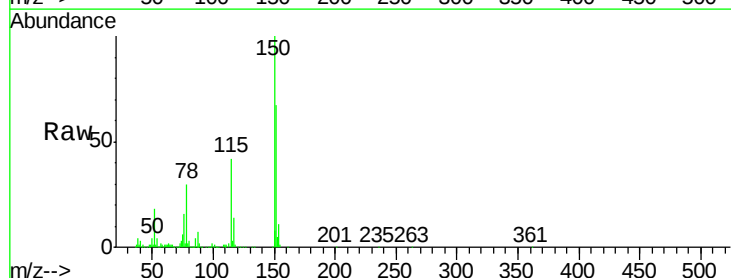
Tgt Ion: 79 Resp: 9163

Ion Ratio Lower Upper

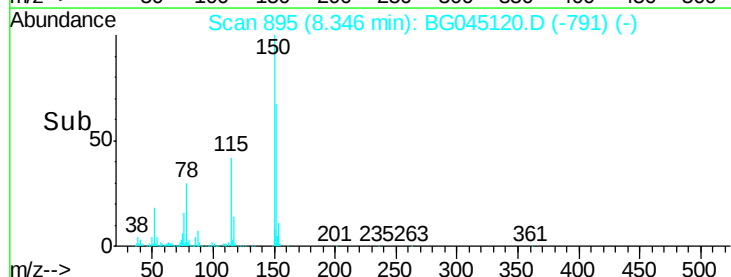
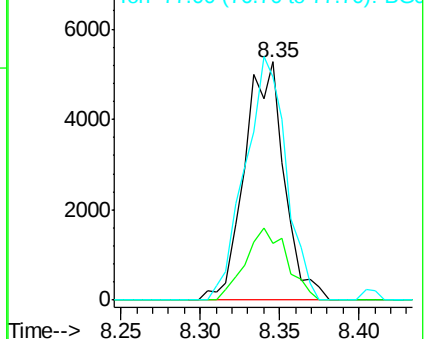
79 100

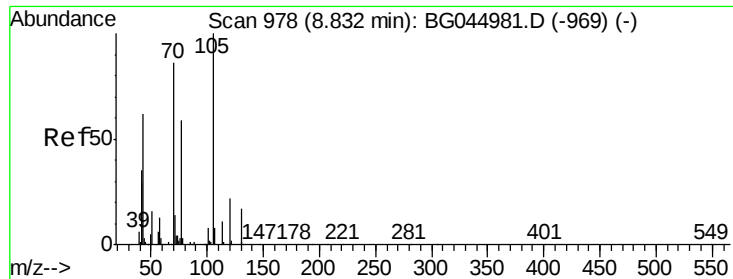
108 23.6 52.7 79.1#

77 93.4 51.3 76.9#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 19.746 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

Instrument :

BNA_G

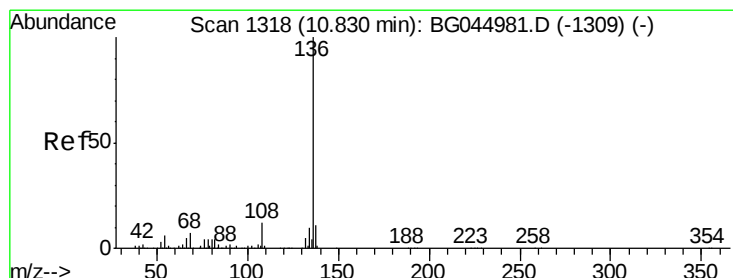
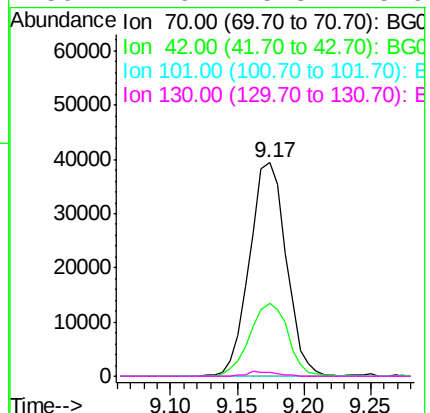
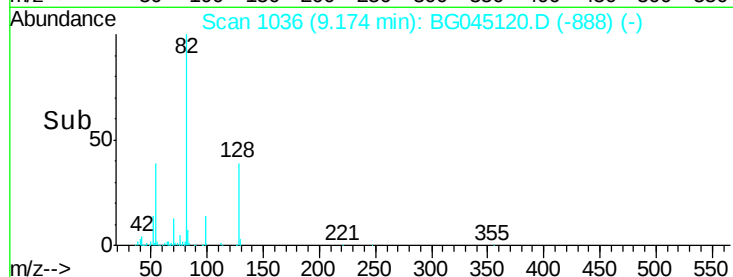
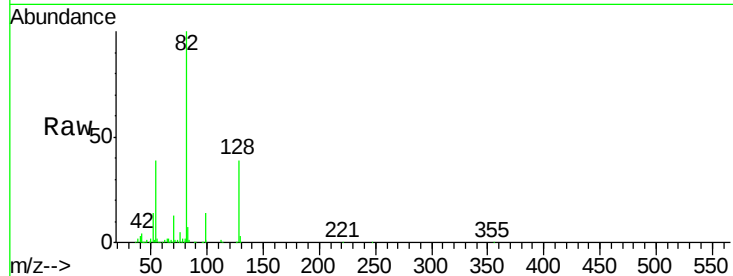
ClientSampleId :

TP-8

Tot Ion: 70 Resp: 74886

Ion Ratio Lower Upper

70	100		
42	34.1	33.3	49.9
101	0.0	7.8	11.8#
130	1.6	15.8	23.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1317

Delta R.T. -0.01 min

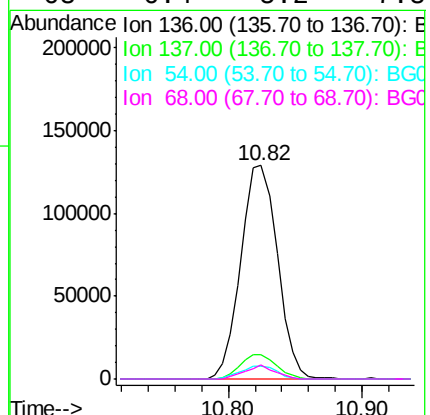
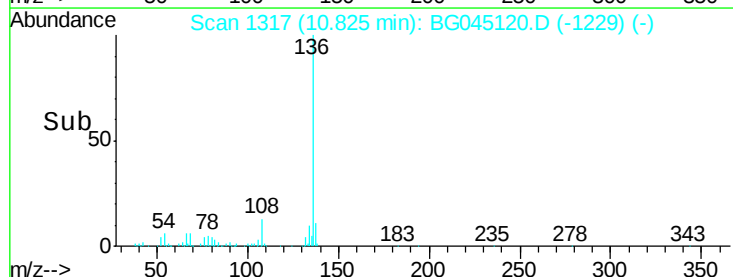
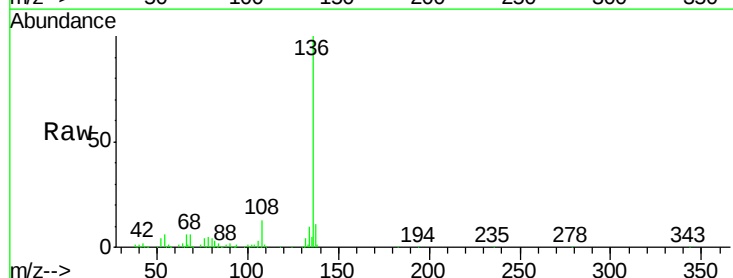
Lab File: BG045120.D

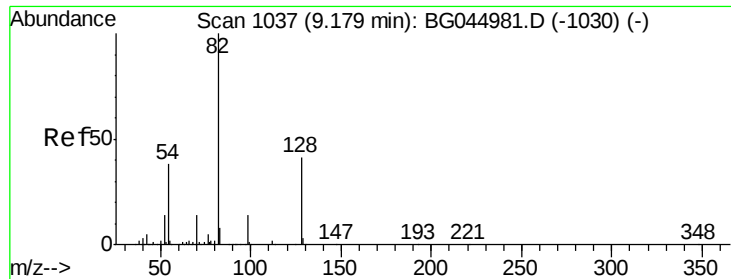
Acq: 21 Apr 2020 20:37

Tgt Ion: 136 Resp: 245839

Ion Ratio Lower Upper

136	100		
137	11.4	8.6	13.0
54	6.1	4.8	7.2
68	6.4	5.2	7.8

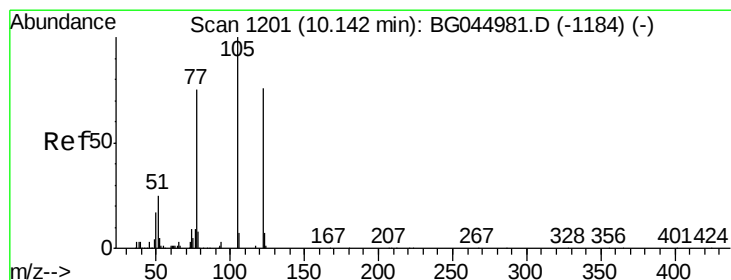
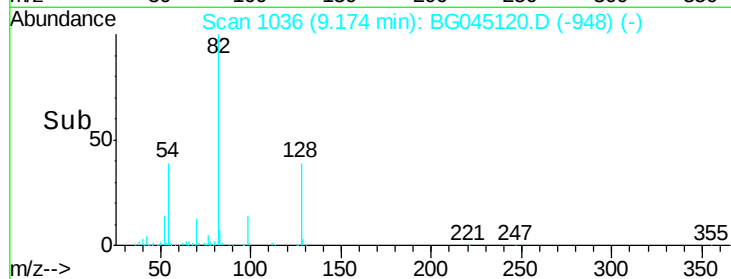
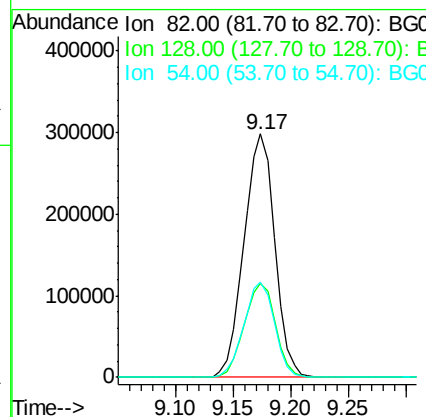
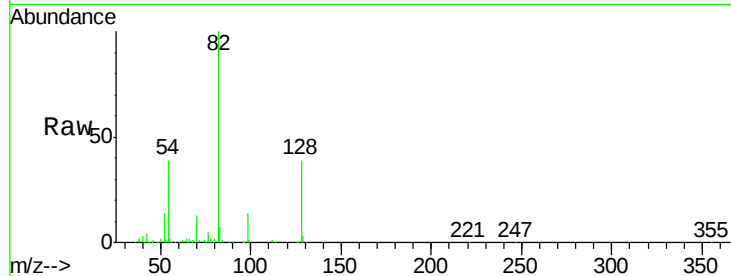




#23
 Nitrobenzene-d5
 Concen: 102.480 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BG045120.D
 Acq: 21 Apr 2020 20:37

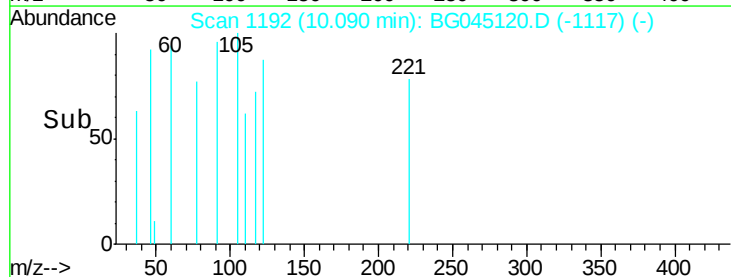
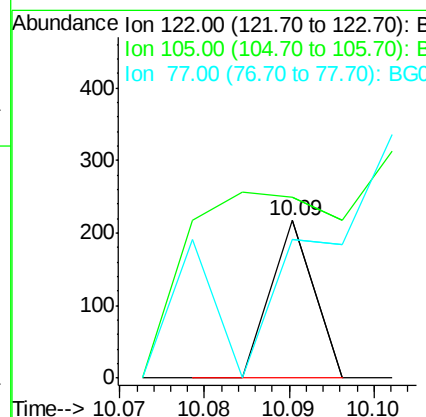
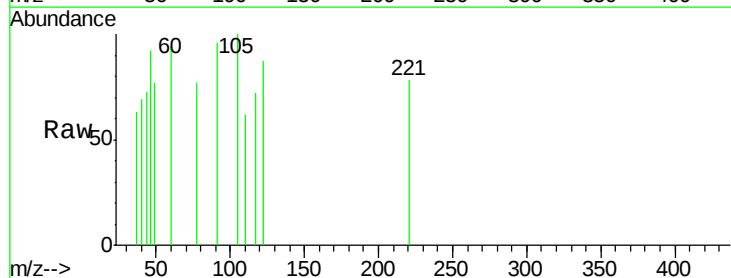
Instrument :
 BNA_G
 ClientSampled :
 TP-8

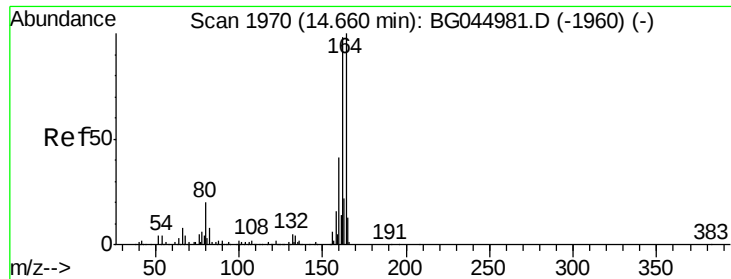
Tot Ion	82	Resp	552143
Ion Ratio	Lower	Upper	
82	100		
128	38.8	33.0	49.4
54	38.8	30.4	45.6



#32
 Benzoic acid
 Concen: 6.395 ng
 RT: 10.09 min Scan# 1192
 Delta R.T. -0.09 min
 Lab File: BG045120.D
 Acq: 21 Apr 2020 20:37

Tgt Ion	122	Resp	76
Ion Ratio	Lower	Upper	
122	100		
105	114.7	108.4	148.4
77	88.5	78.8	118.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

Instrument :

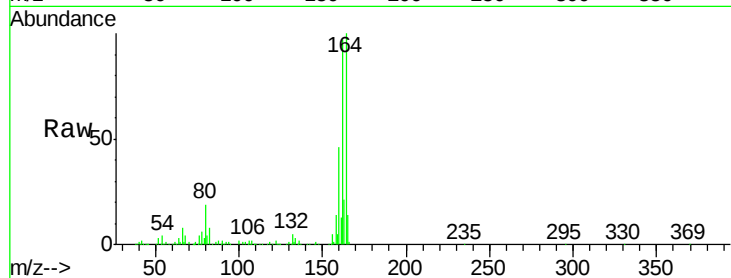
BNA_G

ClientSampleId :

TP-8

Tot Ion:164 Resp: 193209

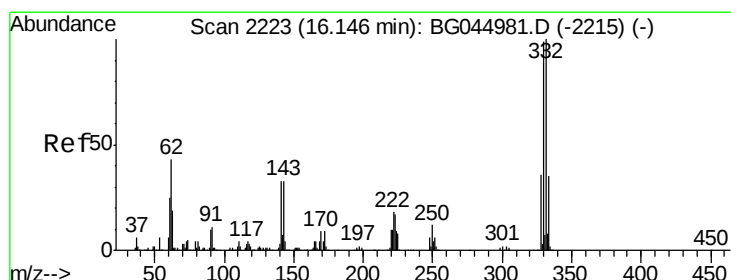
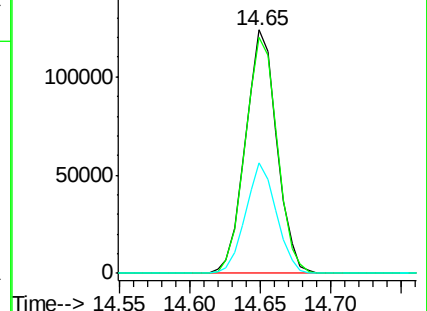
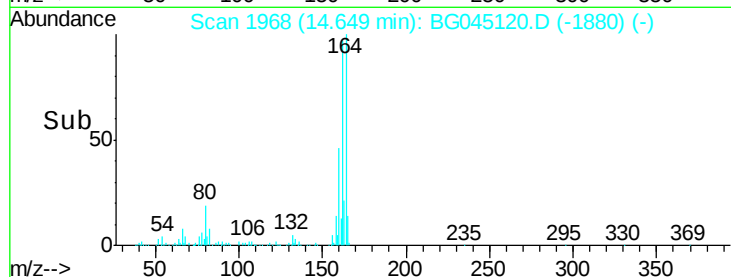
Ion	Ratio	Lower	Upper
164	100		
162	96.8	78.7	118.1
160	45.5	32.8	49.2



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: 154.545 ng

RT: 16.14 min Scan# 2222

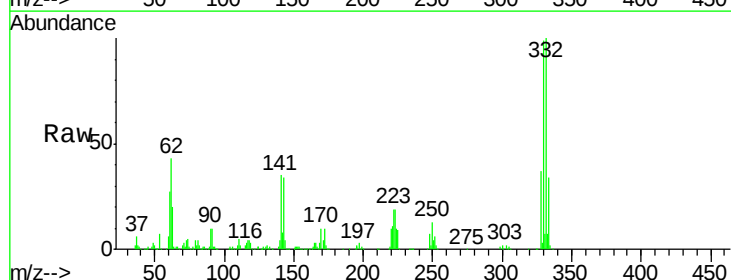
Delta R.T. -0.01 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

Tgt Ion:330 Resp: 461290

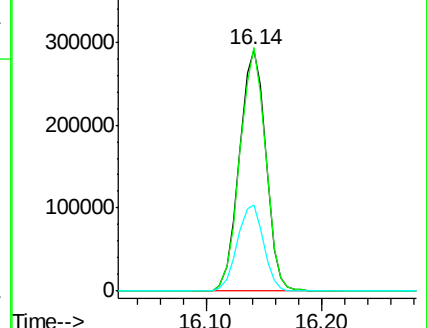
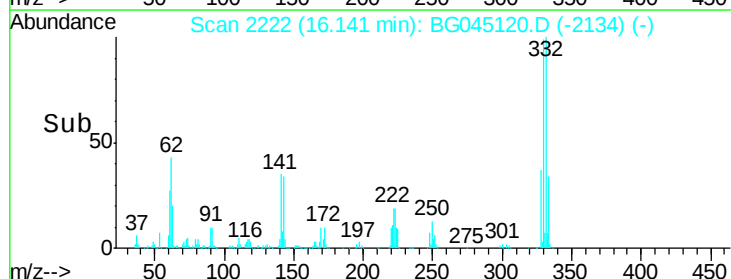
Ion	Ratio	Lower	Upper
330	100		
332	98.2	79.1	118.7
141	35.3	27.1	40.7

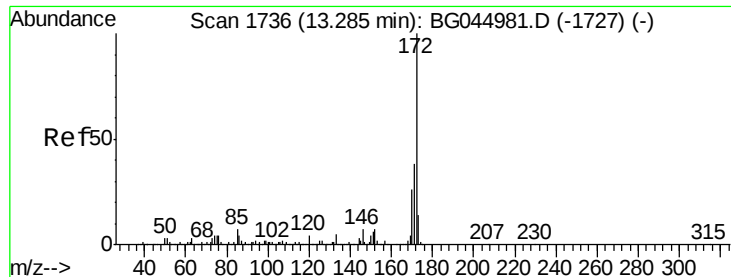


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

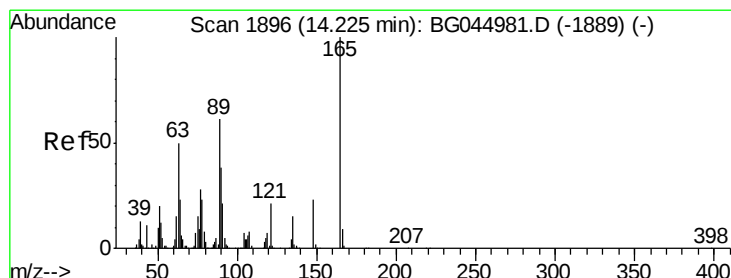
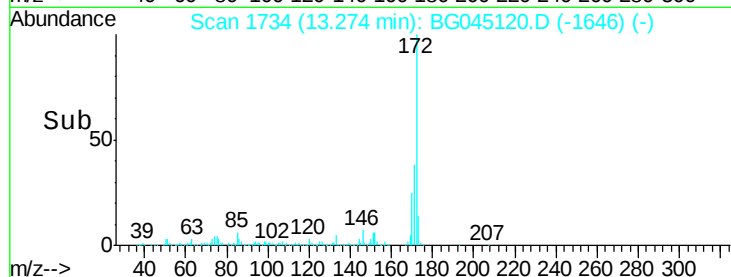
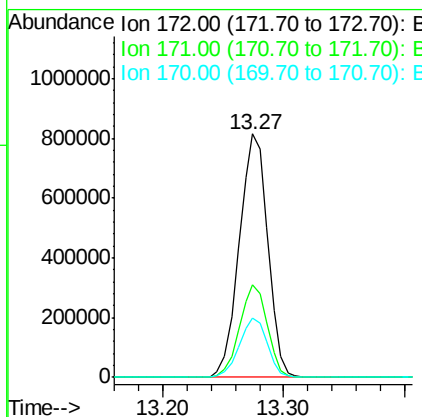
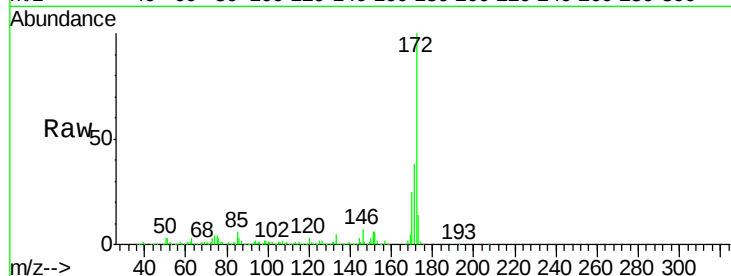




#45
2-Fluorobiphenyl
Concen: 101.401 ng
RT: 13.27 min Scan# 1734
Delta R.T. -0.01 min
Lab File: BG045120.D
Acq: 21 Apr 2020 20:37

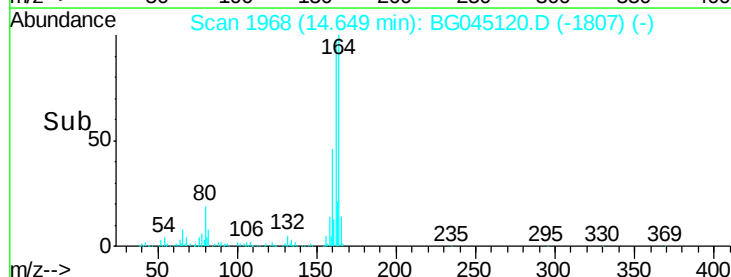
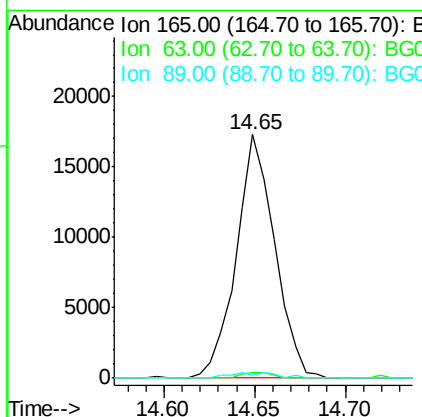
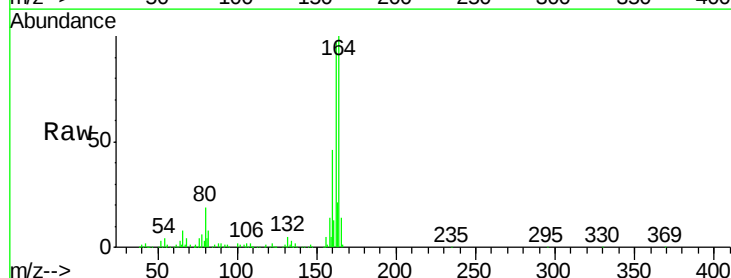
Instrument :
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TP-8

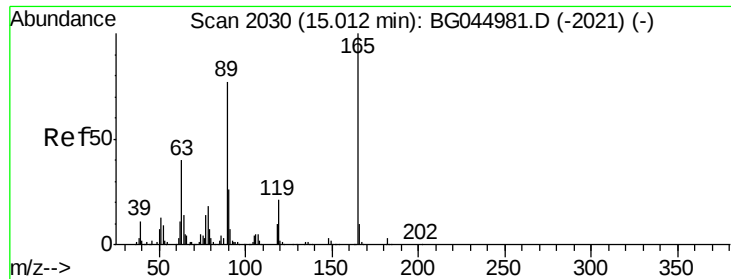
Tot Ion:172 Resp: 1336104
Ion Ratio Lower Upper
172 100
171 38.0 30.6 46.0
170 24.6 20.5 30.7



#51
2,6-Dinitrotoluene
Concen: 7.237 ng
RT: 14.65 min Scan# 1968
Delta R.T. 0.42 min
Lab File: BG045120.D
Acq: 21 Apr 2020 20:37

Tgt Ion:165 Resp: 25467
Ion Ratio Lower Upper
165 100
63 2.3 40.4 60.6#
89 1.1 49.1 73.7#

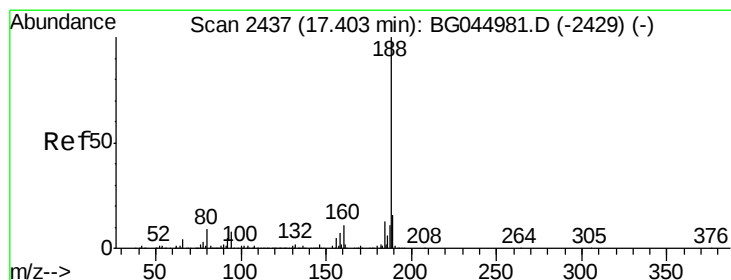
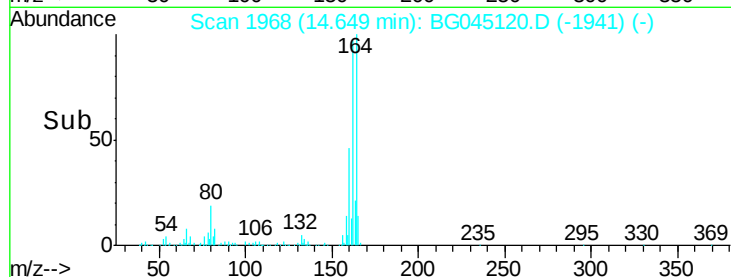
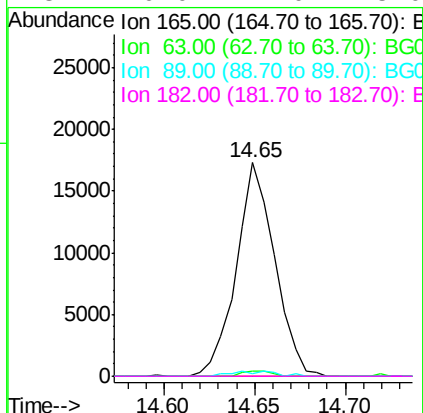
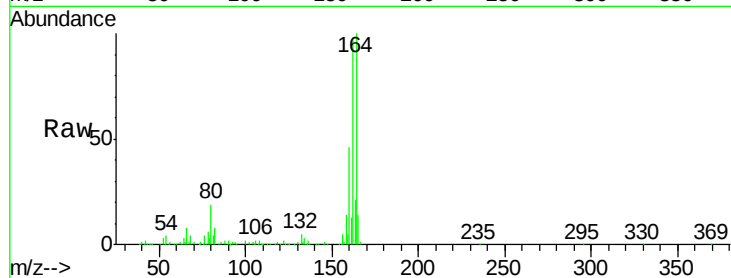




#57
2,4-Dinitrotoluene
Concen: 4.952 ng
RT: 14.65 min Scan# 1968
Delta R.T. -0.37 min
Lab File: BG045120.D
Acq: 21 Apr 2020 20:37

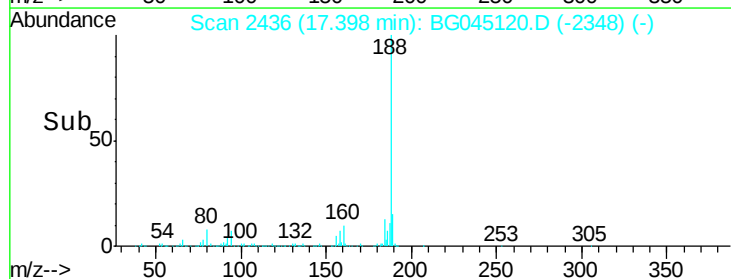
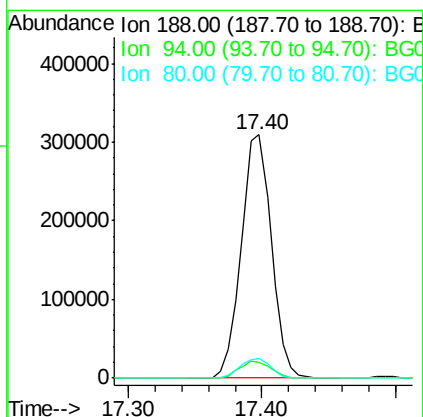
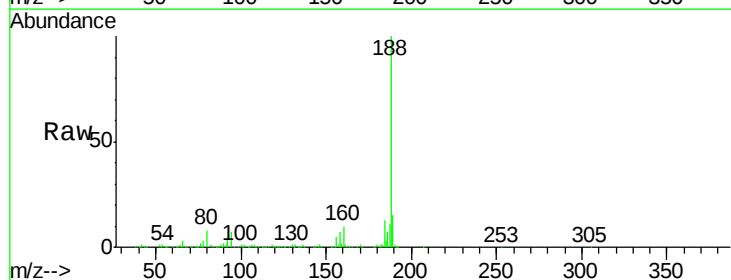
Instrument :
BNA_G
ClientSampled :
TP-8

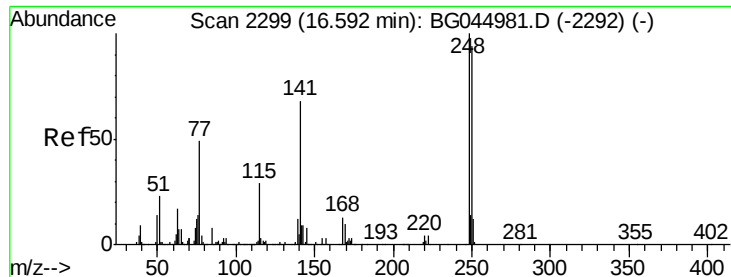
Tot Ion:165 Resp: 25467
Ion Ratio Lower Upper
165 100
63 2.3 32.2 48.2#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. -0.01 min
Lab File: BG045120.D
Acq: 21 Apr 2020 20:37

Tgt Ion:188 Resp: 481310
Ion Ratio Lower Upper
188 100
94 6.6 6.2 9.4
80 8.1 7.0 10.6

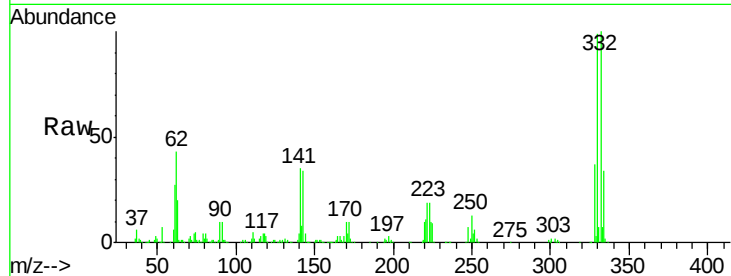




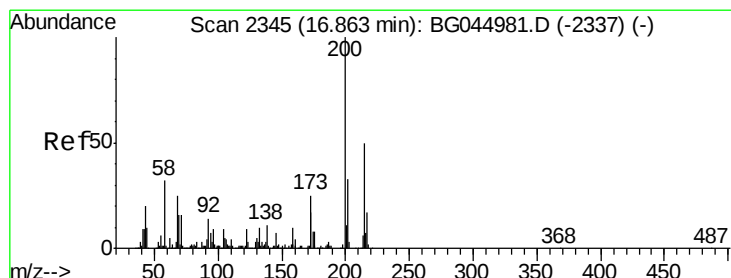
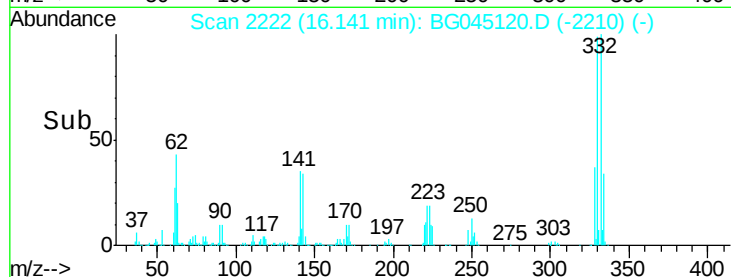
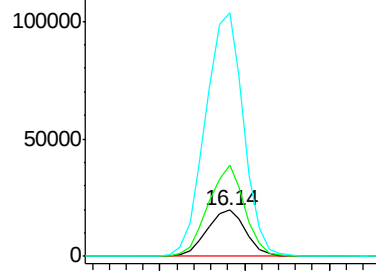
#67
4-Bromophenyl-phenylether
Concen: 5.084 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.46 min
Lab File: BG045120.D
Acq: 21 Apr 2020 20:37

Instrument :
BNA_G
ClientSampled :
TP-8

Tot Ion:248 Resp: 31568
Ion Ratio Lower Upper
248 100
250 196.7 75.4 113.2#
141 525.4 54.4 81.6#

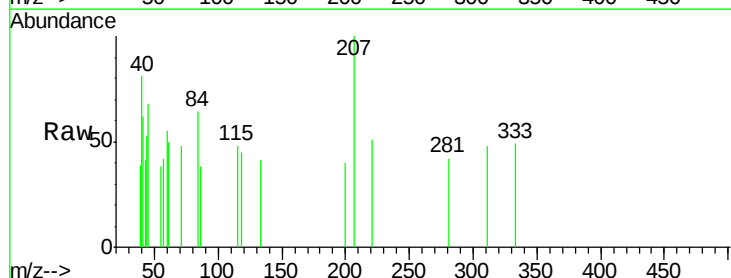


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

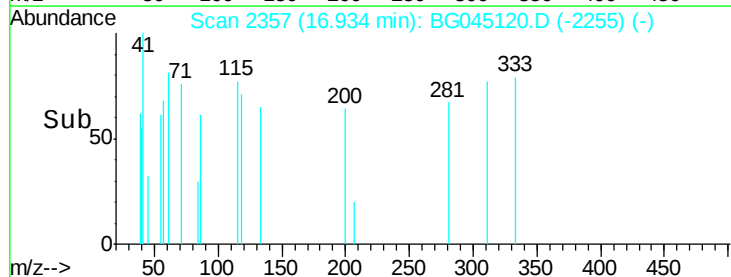
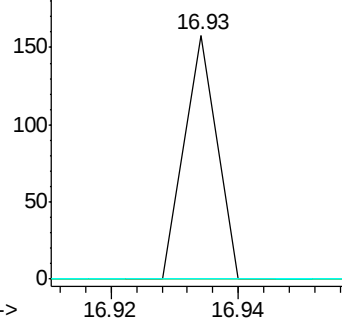


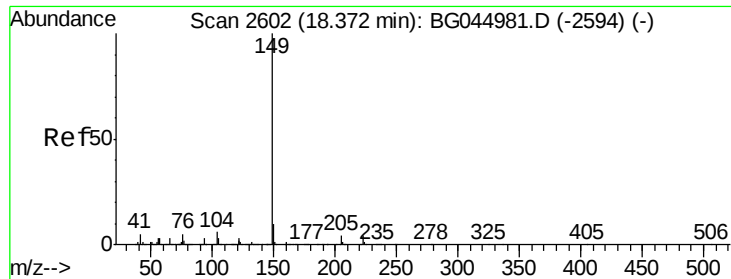
#69
Atrazine
Concen: Below Cal
RT: 16.93 min Scan# 2357
Delta R.T. 0.07 min
Lab File: BG045120.D
Acq: 21 Apr 2020 20:37

Tgt Ion:200 Resp: 56
Ion Ratio Lower Upper
200 100
173 0.0 4.5 44.5#
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2600

Delta R.T. -0.01 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

Instrument :

BNA_G

ClientSampleId :

TP-8

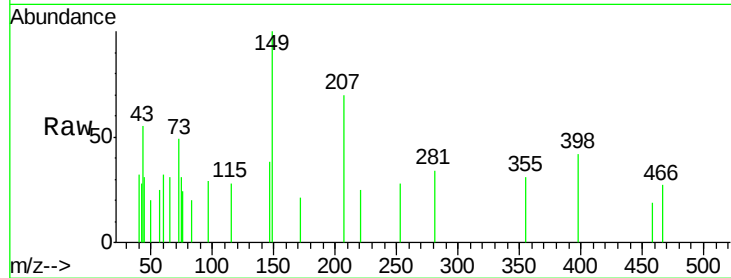
Tot Ion:149 Resp: 1129

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

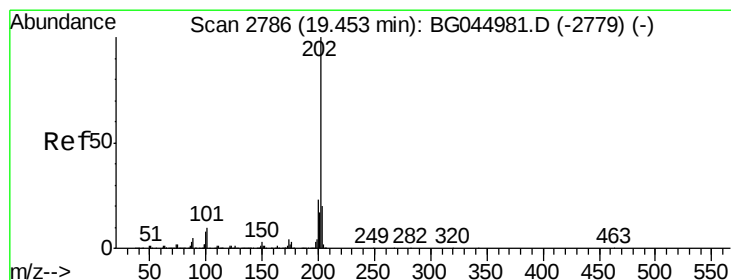
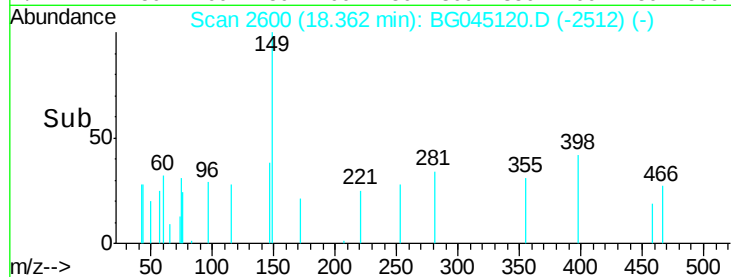
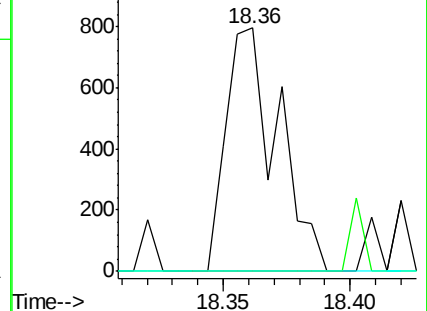
104 0.0 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: Below Cal

RT: 19.43 min Scan# 2782

Delta R.T. -0.02 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

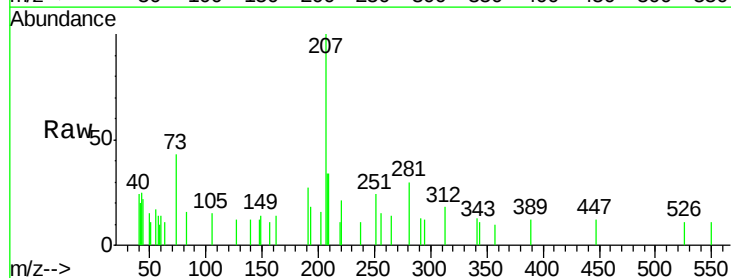
Tgt Ion:202 Resp: 84

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

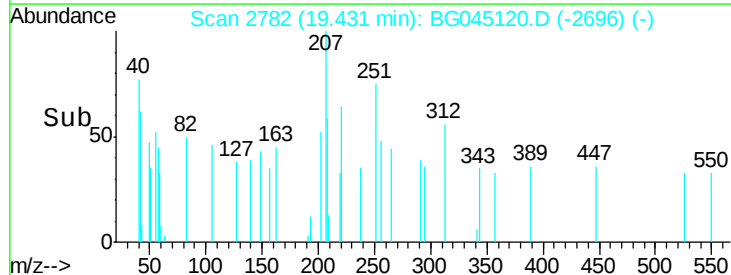
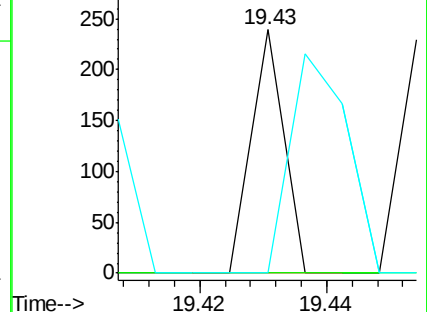
203 0.0 0.0 39.7

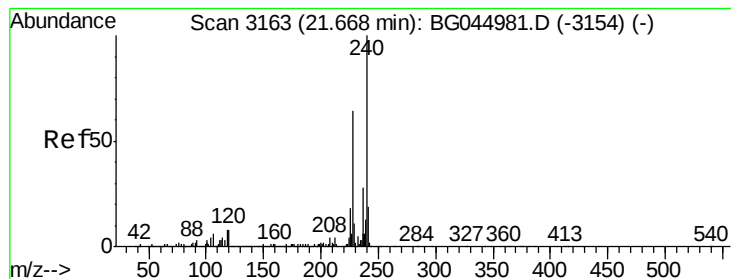


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.02 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

Instrument :

BNA_G

ClientSampleId :

TP-8

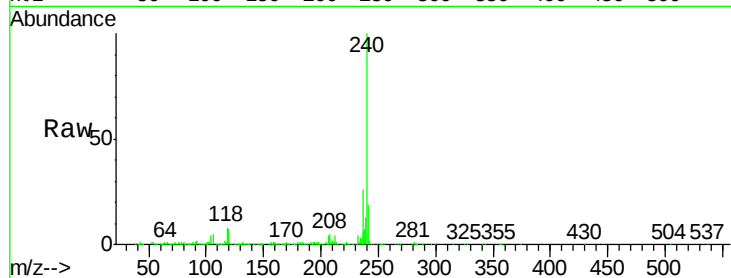
Tot Ion:240 Resp: 468381

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

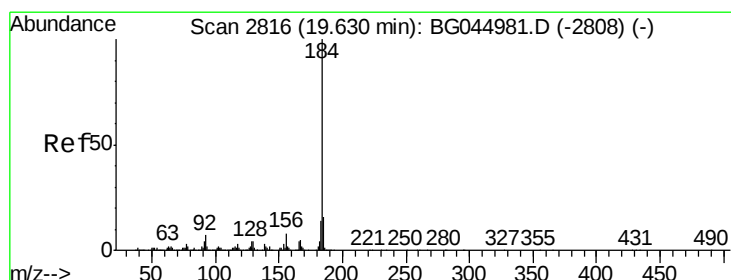
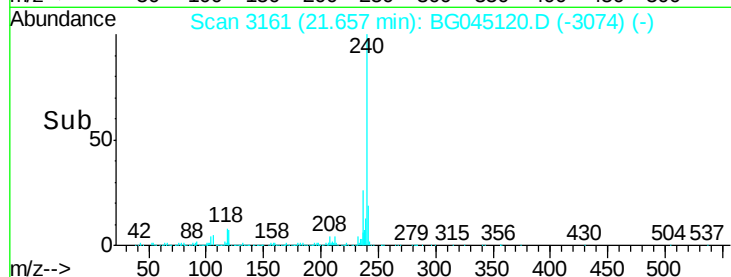
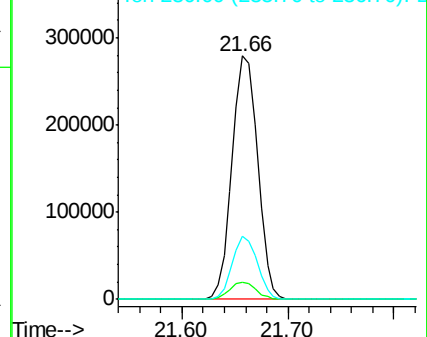
236 25.7 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2880

Delta R.T. 0.38 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

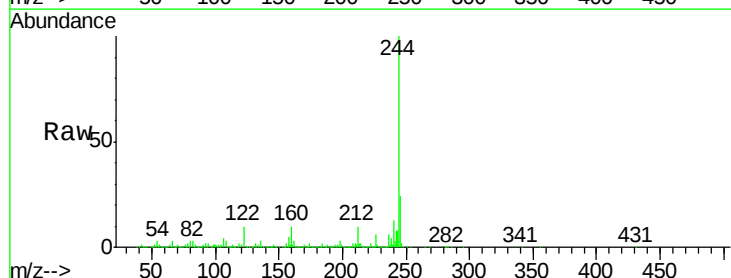
Tgt Ion:184 Resp: 44962

Ion Ratio Lower Upper

184 100

185 17.1 12.6 19.0

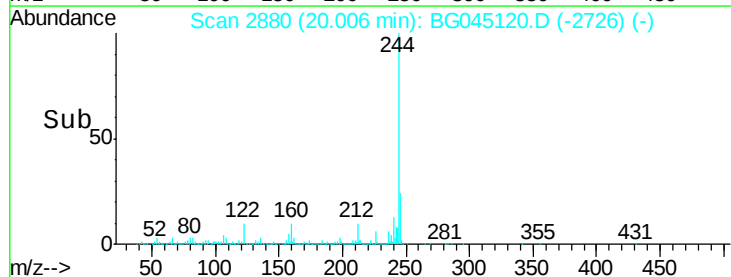
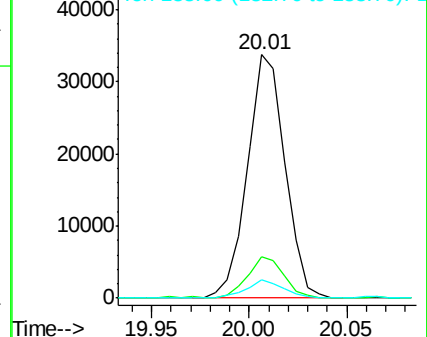
183 7.6 11.3 16.9#

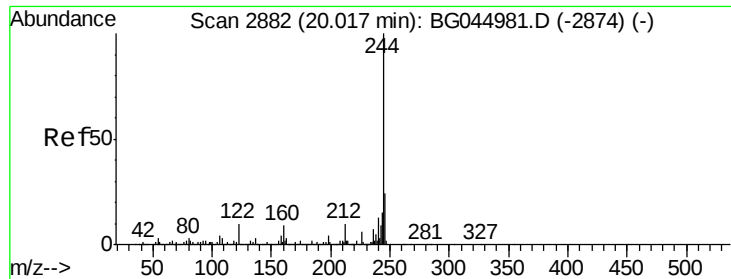


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 107.018 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.01 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

Instrument :

BNA_G

ClientSampleId :

TP-8

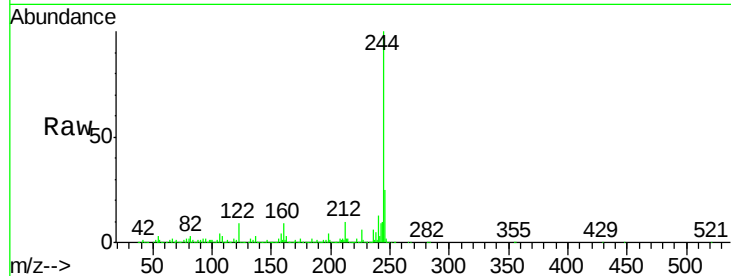
Tot Ion:244 Resp: 2299781

Ion Ratio Lower Upper

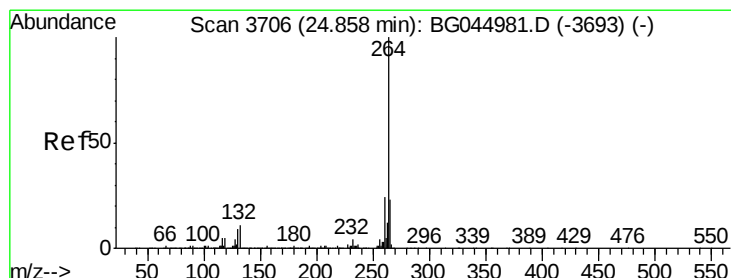
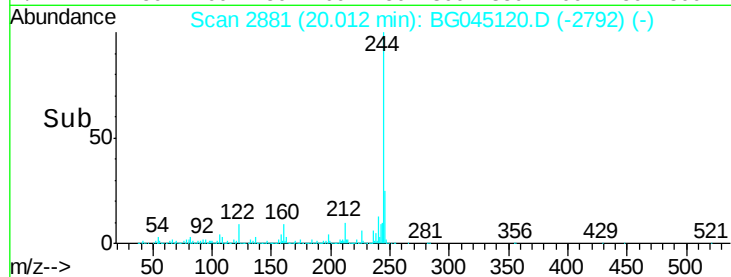
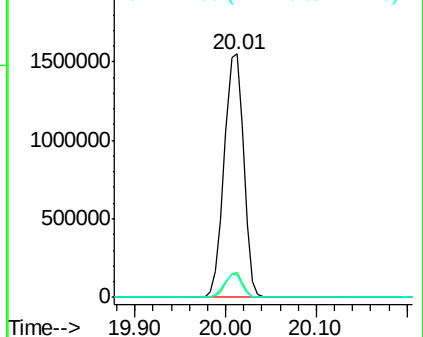
244 100

212 10.2 7.9 11.9

122 8.9 7.7 11.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.85 min Scan# 3704

Delta R.T. -0.02 min

Lab File: BG045120.D

Acq: 21 Apr 2020 20:37

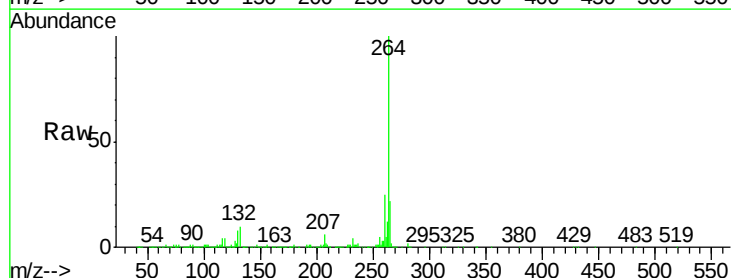
Tgt Ion:264 Resp: 507909

Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 22.0 19.0 28.4



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

