

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042320\
 Data File : BG045145.D
 Acq On : 23 Apr 2020 17:10
 Operator : CG/JU
 Sample : L2350-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-5-S

Quant Time: Apr 23 17:54:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	74179	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	308581	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	225186	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	503442	20.00	ng	0.00
76) Chrysene-d12	21.65	240	450163	20.00	ng	0.00
87) Perylene-d12	24.83	264	484895	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	594059	132.22	ng	0.00
7) Phenol-d6	7.17	99	760322	113.89	ng	0.00
23) Nitrobenzene-d5	9.16	82	680865	100.68	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	529878	152.32	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1573439	102.46	ng	0.00
79) Terphenyl-d14	20.00	244	2287128	110.74	ng	0.00

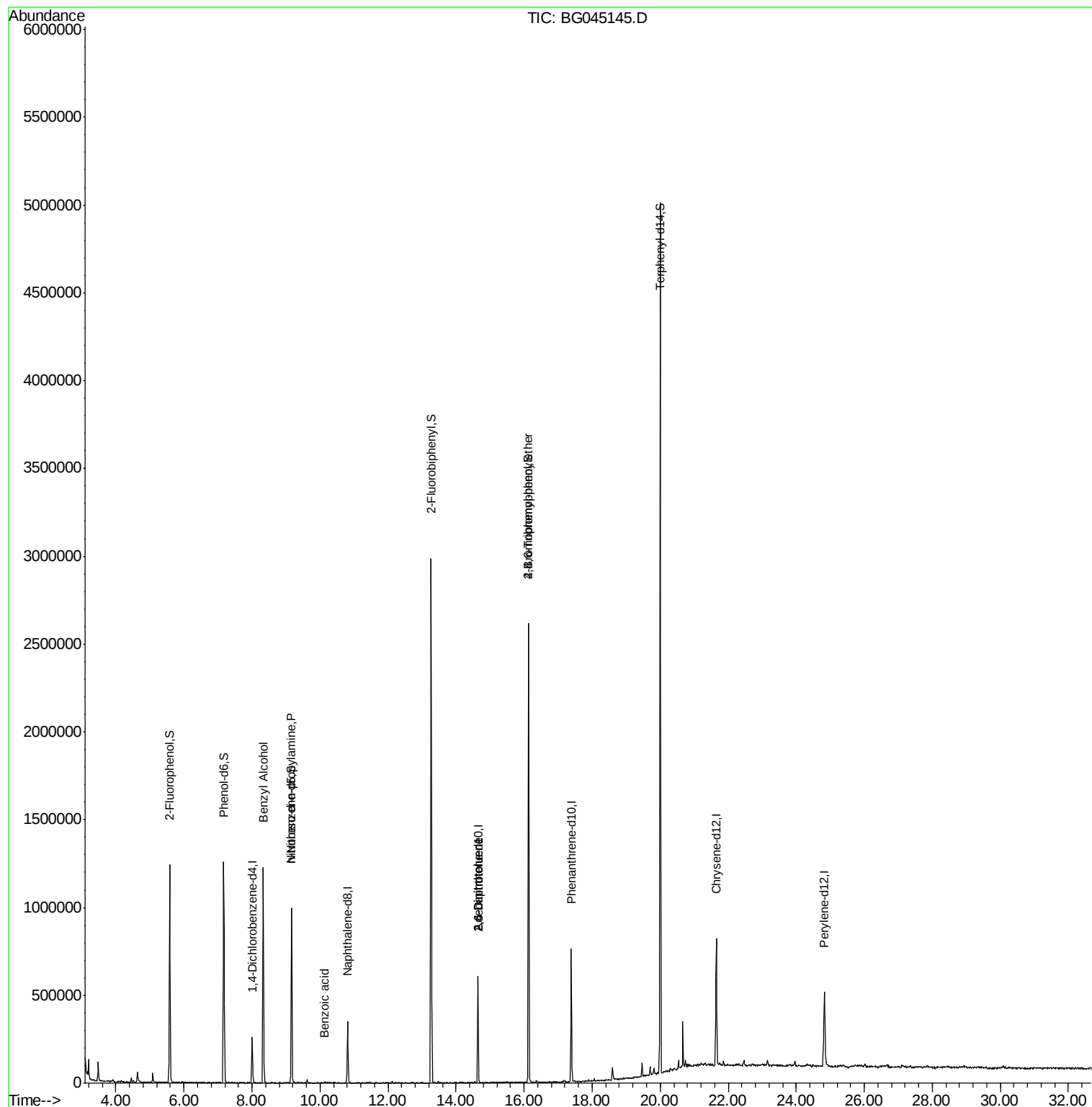
Target Compounds				Qvalue		
9) Benzaldehyde	7.13	77	91	Below Cal	#	39
15) Benzyl Alcohol	8.33	79	11752	2.100 ng	#	60
19) n-Nitroso-di-n-propylamine	9.16	70	93280	19.758 ng	#	77
32) Benzoic acid	10.12	122	406	6.466 ng	#	62
51) 2,6-Dinitrotoluene	14.64	165	30332	7.396 ng	#	24
57) 2,4-Dinitrotoluene	14.64	165	30332	5.061 ng	#	22
67) 4-Bromophenyl-phenylether	16.13	248	35984	5.540 ng	#	1
69) Atrazine	17.02	200	62	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1021	Below Cal	#	76
75) Fluoranthene	19.38	202	67	Below Cal	#	62
77) Benzydine	20.00	184	49076	Below Cal	#	92

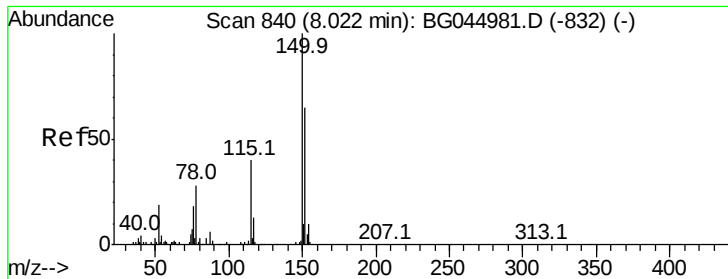
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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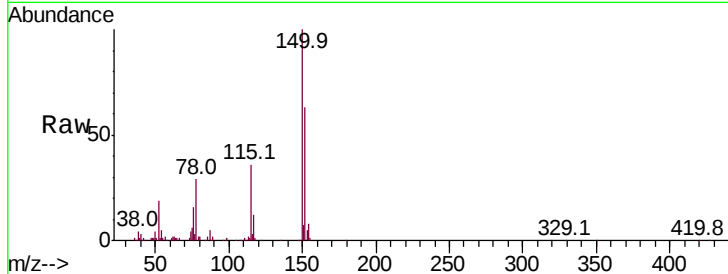


#1

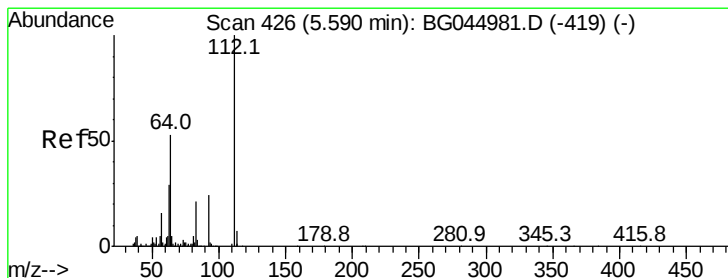
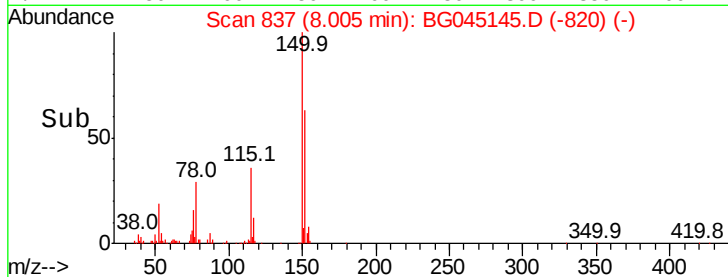
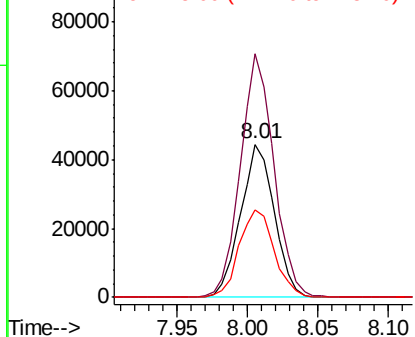
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. 0.00 min
Lab File: BG045145.D
Acq: 23 Apr 2020 17:10

Instrument :
BNA_G
ClientSampleId :
TP-5-S

Tot Ion:152 Resp: 74179
Ion Ratio Lower Upper
152 100
150 159.1 123.6 185.4
115 56.9 49.1 73.7



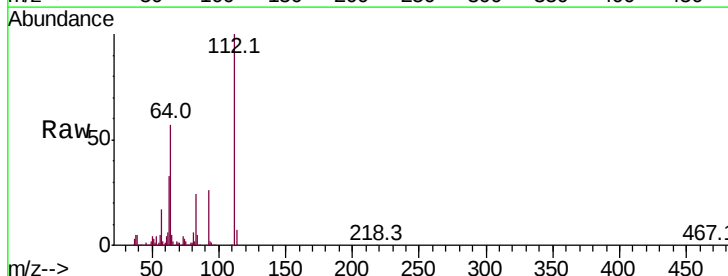
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



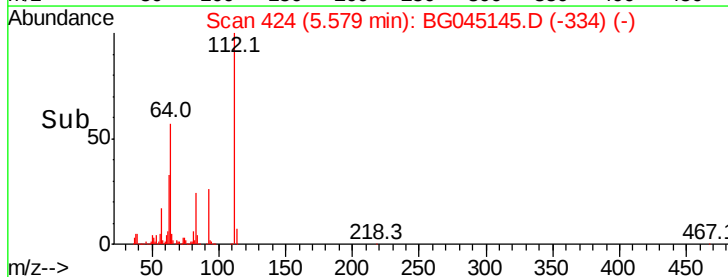
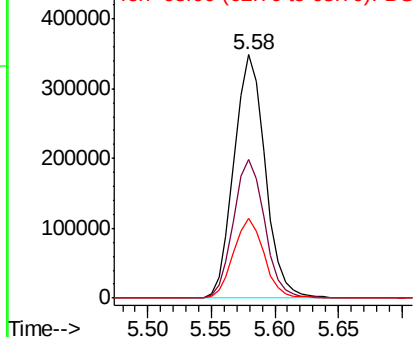
#5

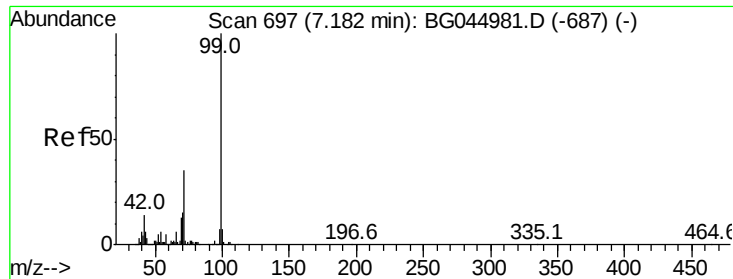
2-Fluorophenol
Concen: 132.215 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.00 min
Lab File: BG045145.D
Acq: 23 Apr 2020 17:10

Tgt Ion:112 Resp: 594059
Ion Ratio Lower Upper
112 100
64 56.8 42.4 63.6
63 32.6 23.1 34.7



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: 113.895 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Instrument :

BNA_G

ClientSampled :

TP-5-S

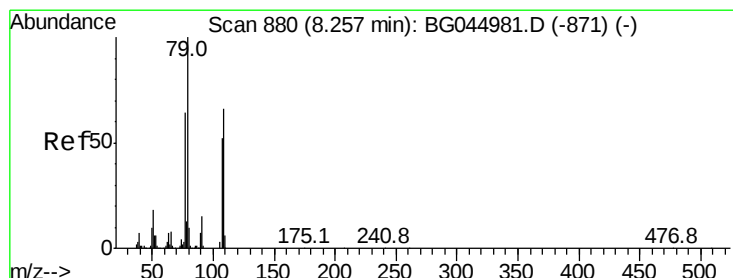
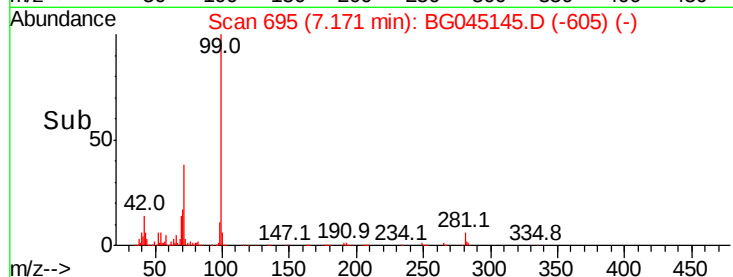
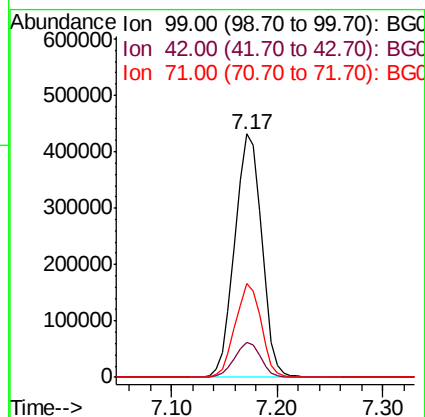
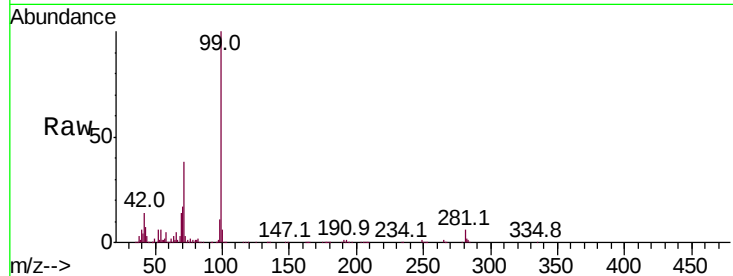
Tot Ion: 99 Resp: 760322

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 38.4 28.3 42.5



#15

Benzyl Alcohol

Concen: 2.100 ng

RT: 8.33 min Scan# 893

Delta R.T. 0.09 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

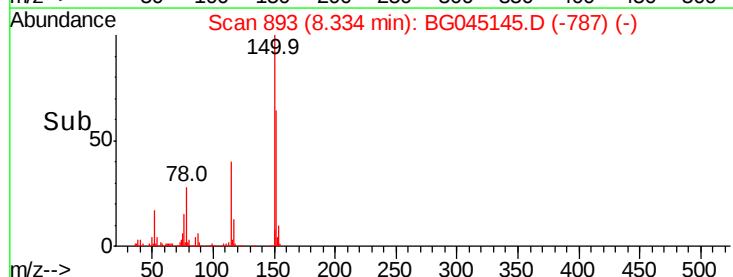
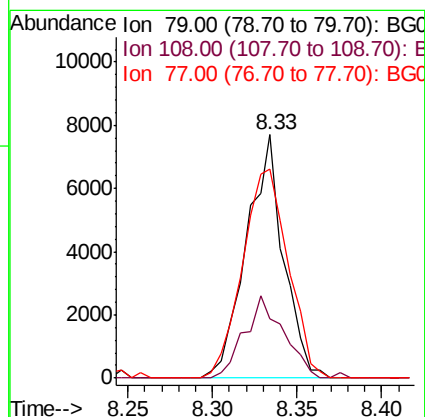
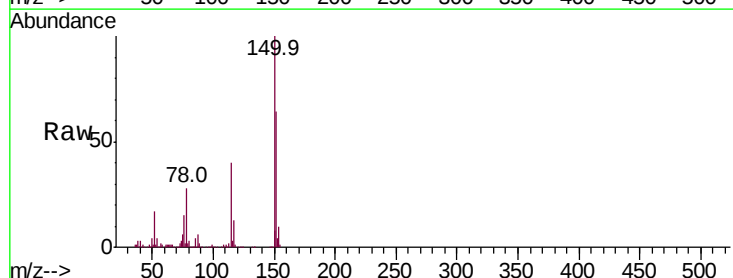
Tgt Ion: 79 Resp: 11752

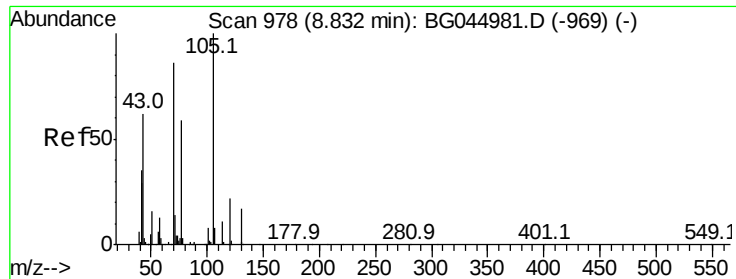
Ion Ratio Lower Upper

79 100

108 24.5 52.7 79.1#

77 85.7 51.3 76.9#

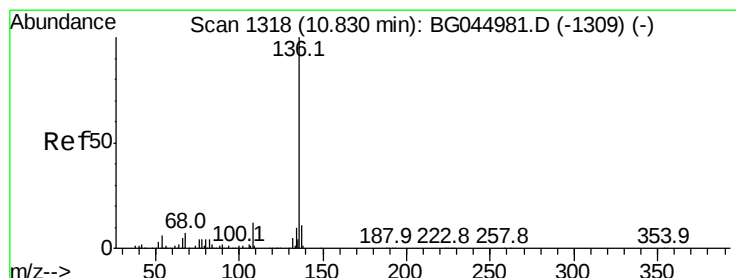
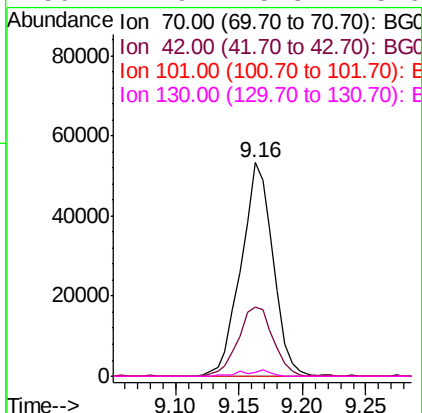
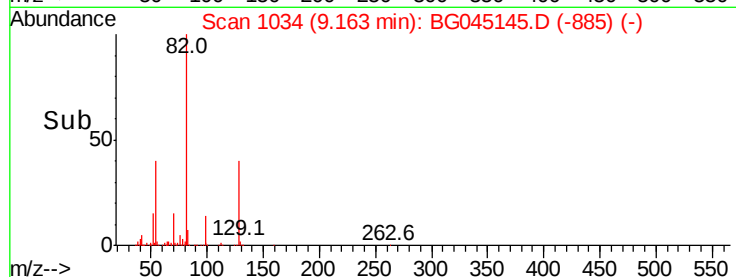
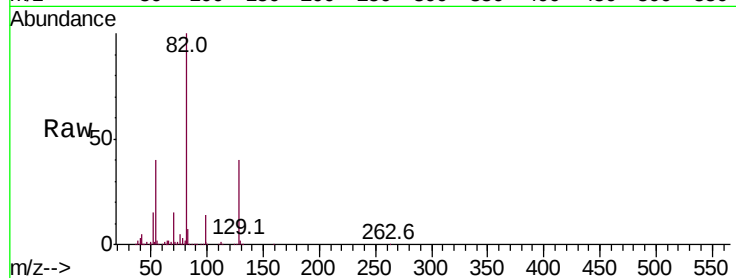




#19
n-Nitroso-di-n-propylamine
Concen: 19.758 ng
RT: 9.16 min Scan# 1034
Delta R.T. 0.35 min
Lab File: BG045145.D
Acq: 23 Apr 2020 17:10

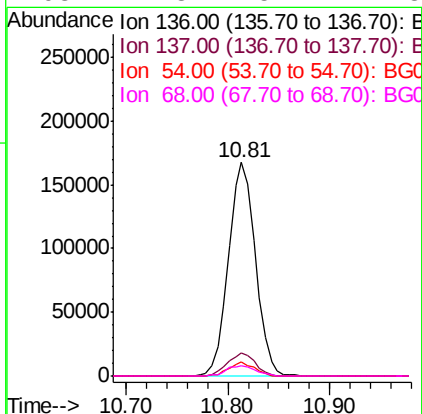
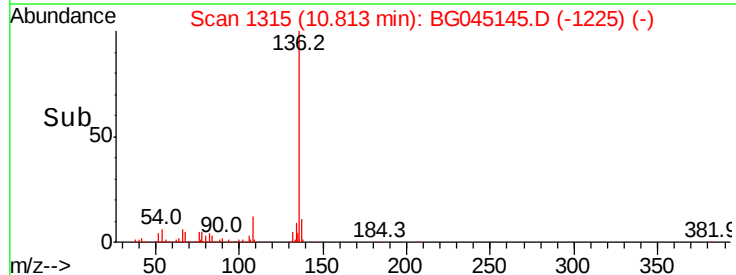
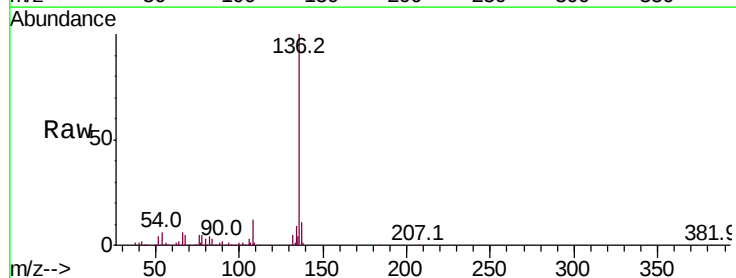
Instrument :
BNA_G
ClientSampleId :
TP-5-S

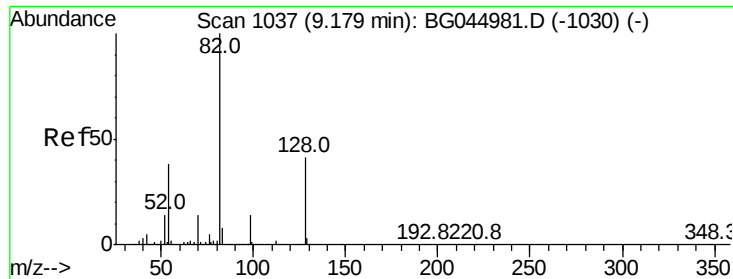
Tot Ion:	70	Resp:	93280
Ion	Ratio	Lower	Upper
70	100		
42	32.2	33.3	49.9#
101	0.0	7.8	11.8#
130	1.6	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG045145.D
Acq: 23 Apr 2020 17:10

Tgt Ion:	136	Resp:	308581
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	6.5	4.8	7.2
68	4.8	5.2	7.8#





#23

Nitrobenzene-d5

Concen: 100.677 ng

RT: 9.16 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Instrument :

BNA_G

ClientSampleId :

TP-5-S

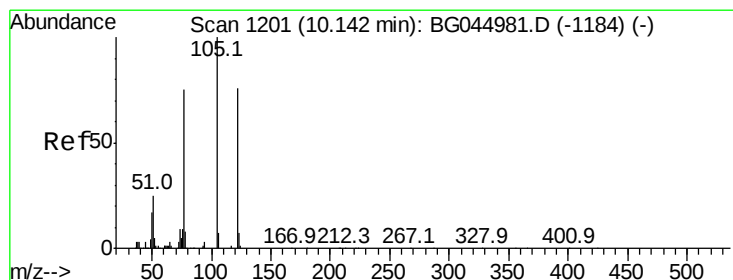
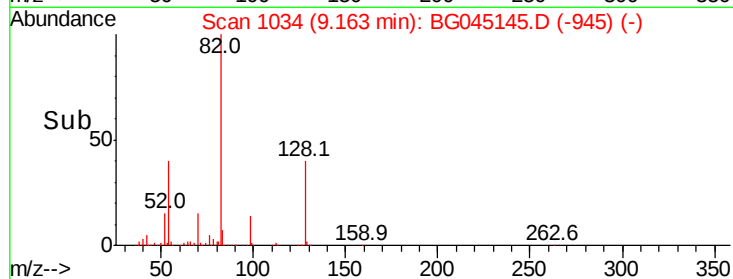
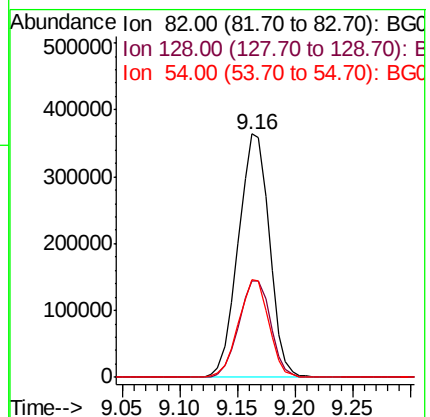
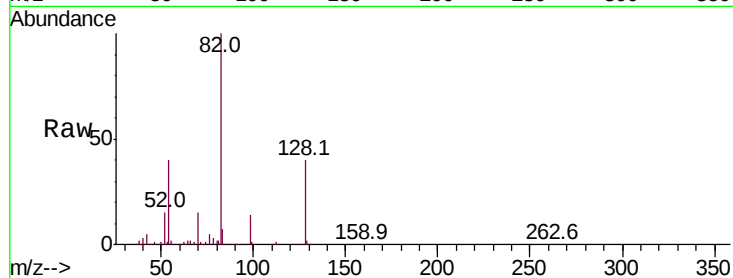
Tot Ion: 82 Resp: 680865

Ion Ratio Lower Upper

82 100

128 39.6 33.0 49.4

54 40.0 30.4 45.6



#32

Benzoic acid

Concen: 6.466 ng

RT: 10.12 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

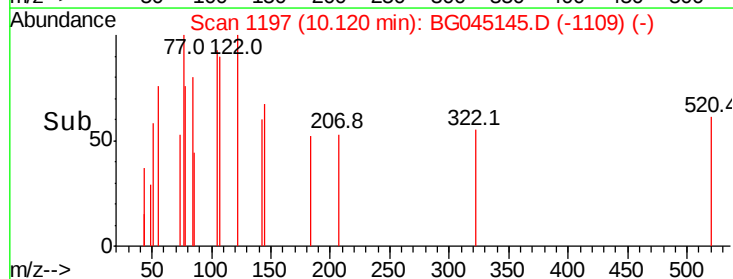
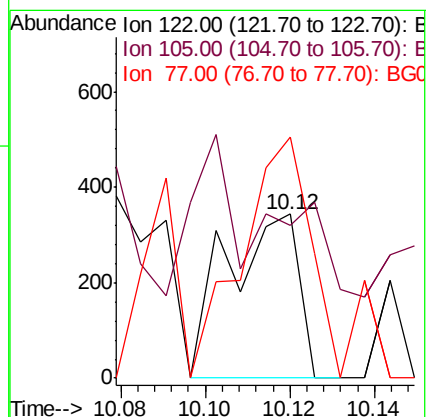
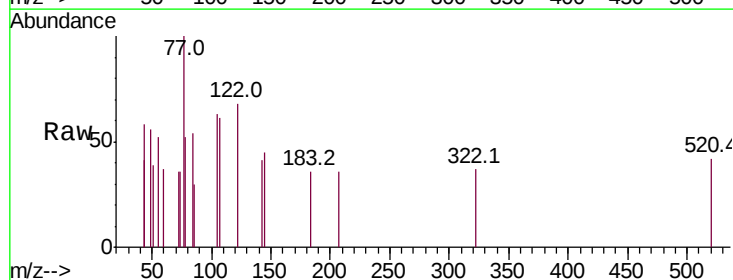
Tgt Ion: 122 Resp: 406

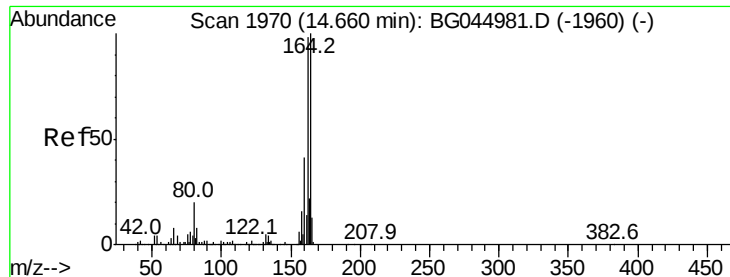
Ion Ratio Lower Upper

122 100

105 93.0 108.4 148.4#

77 147.1 78.8 118.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Instrument :

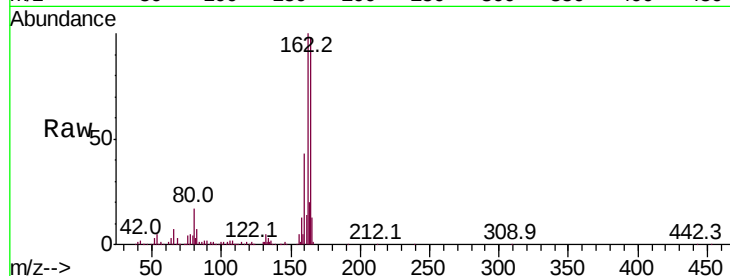
BNA_G

ClientSampleId :

TP-5-S

Tot Ion:164 Resp: 225186

Ion	Ratio	Lower	Upper
164	100		
162	102.0	78.7	118.1
160	44.4	32.8	49.2

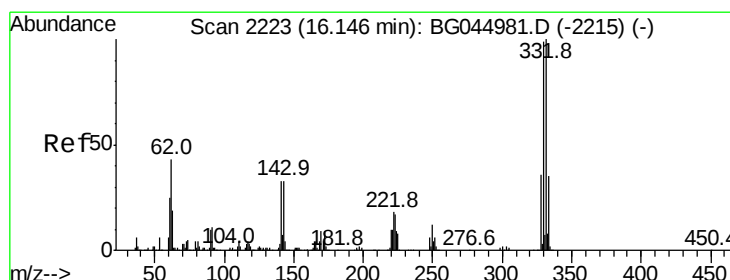
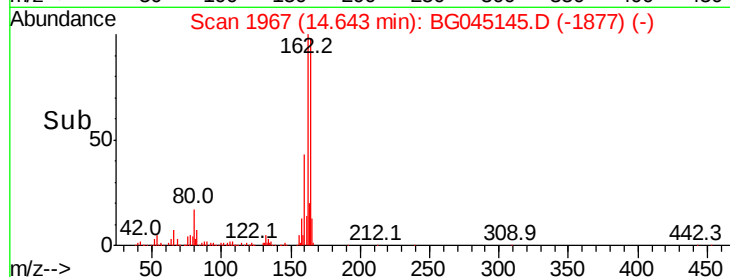
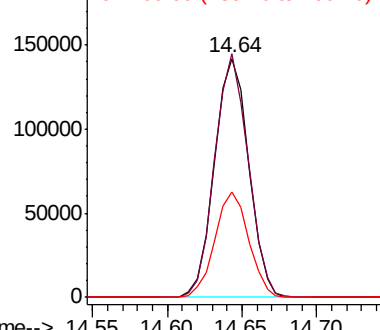


Abundance

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: 152.315 ng

RT: 16.14 min Scan# 2221

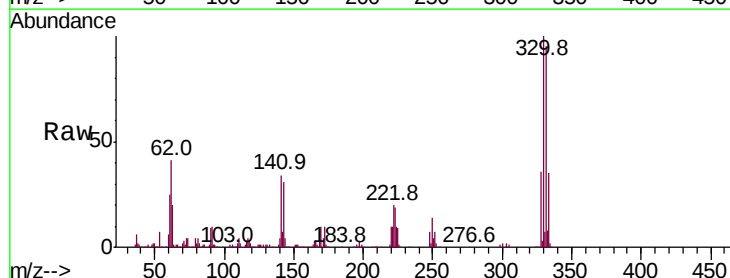
Delta R.T. 0.00 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Tgt Ion:330 Resp: 529878

Ion	Ratio	Lower	Upper
330	100		
332	98.1	79.1	118.7
141	35.2	27.1	40.7

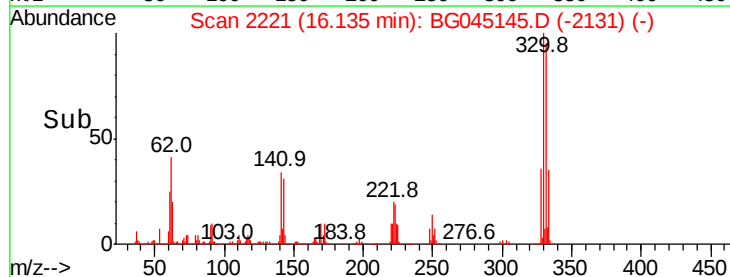
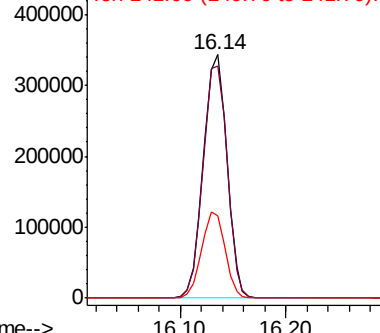


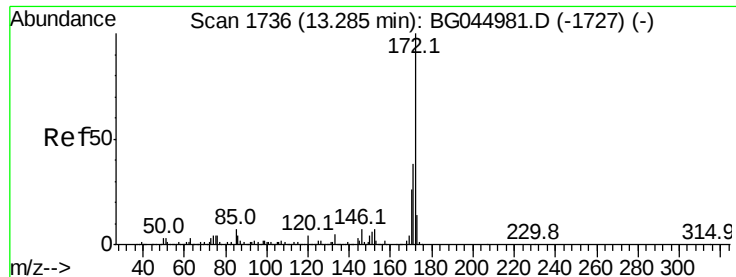
Abundance

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

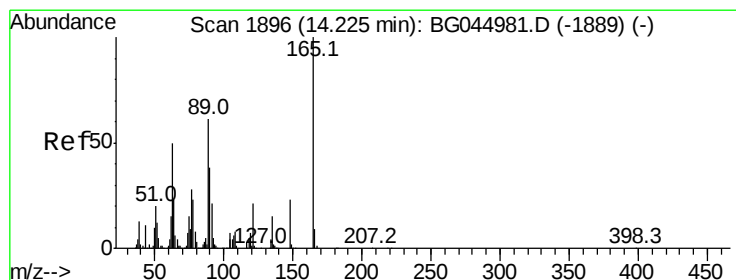
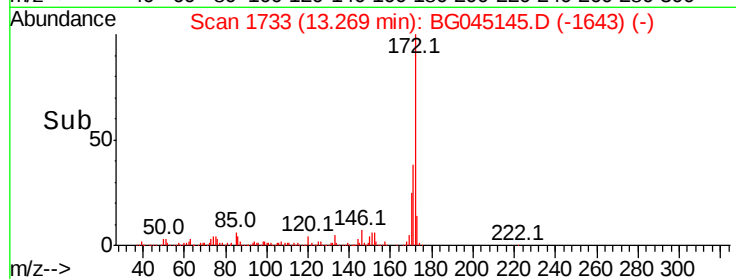
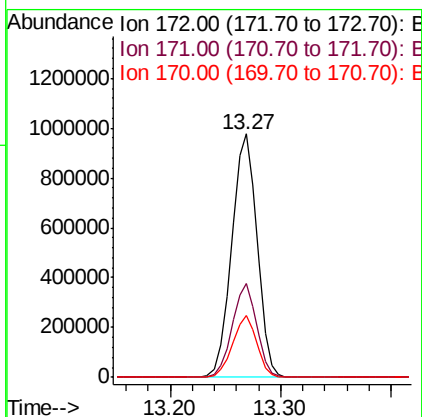
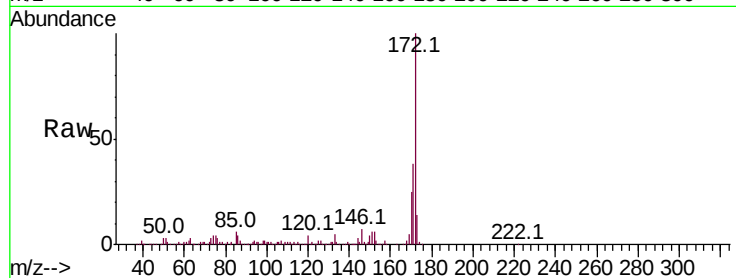




#45
 2-Fluorobiphenyl
 Concen: 102.456 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: BG045145.D
 Acq: 23 Apr 2020 17:10

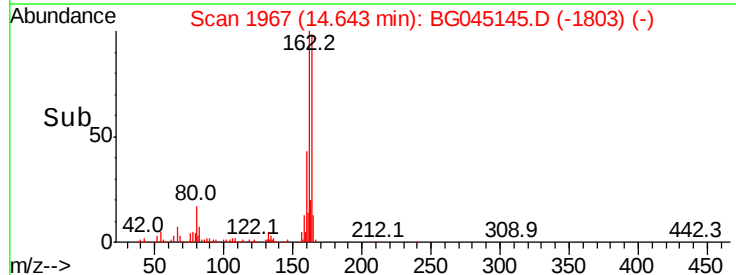
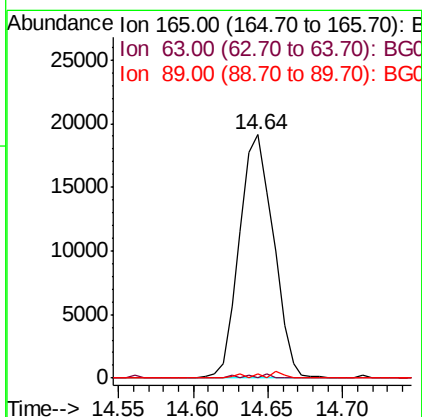
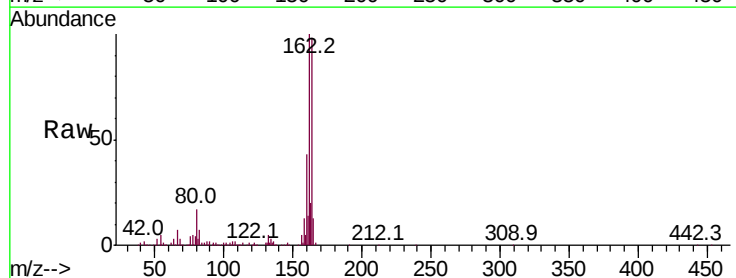
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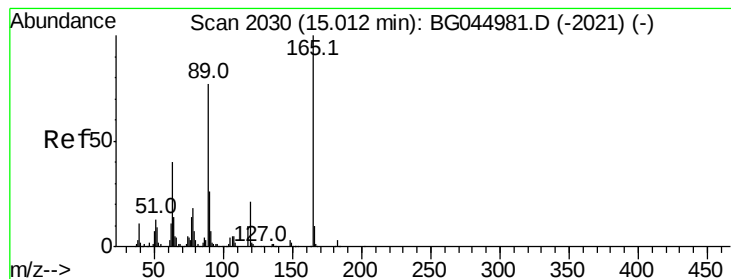
Tot Ion:172 Resp: 1573439
 Ion Ratio Lower Upper
 172 100
 171 38.3 30.6 46.0
 170 25.2 20.5 30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.396 ng
 RT: 14.64 min Scan# 1967
 Delta R.T. 0.44 min
 Lab File: BG045145.D
 Acq: 23 Apr 2020 17:10

Tgt Ion:165 Resp: 30332
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.4 60.6#
 89 1.8 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 5.061 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.36 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Instrument :

BNA_G

ClientSampleId :

TP-5-S

Tot Ion:165 Resp: 30332

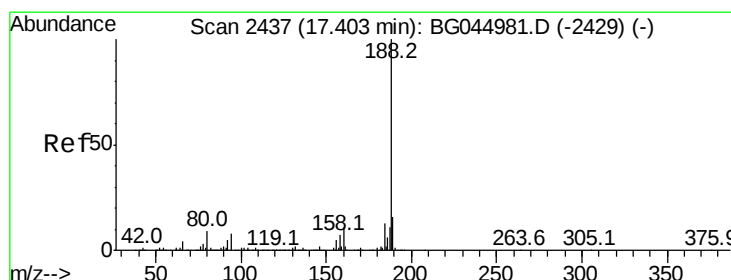
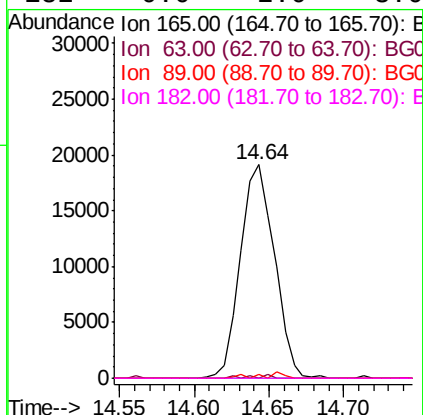
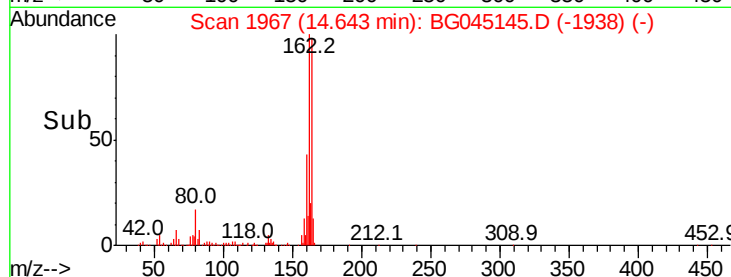
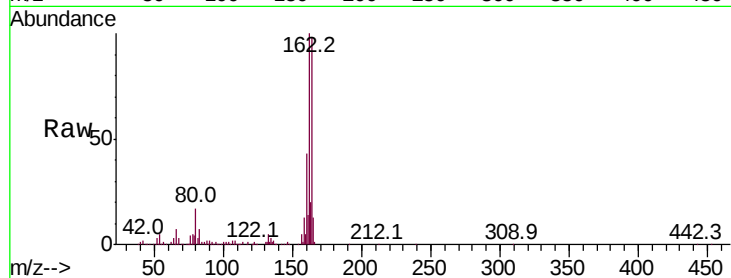
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.8 61.7 92.5#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2434

Delta R.T. -0.01 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

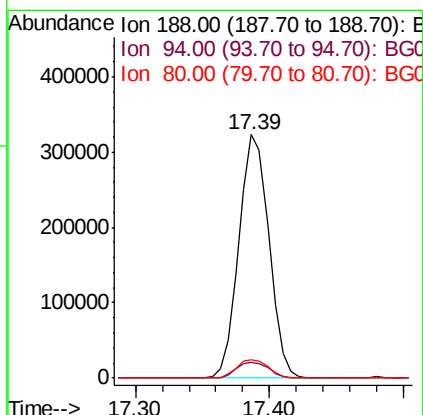
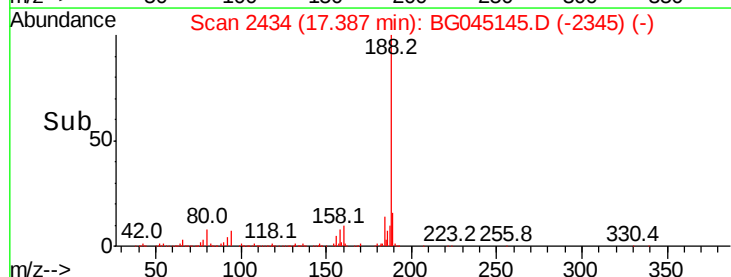
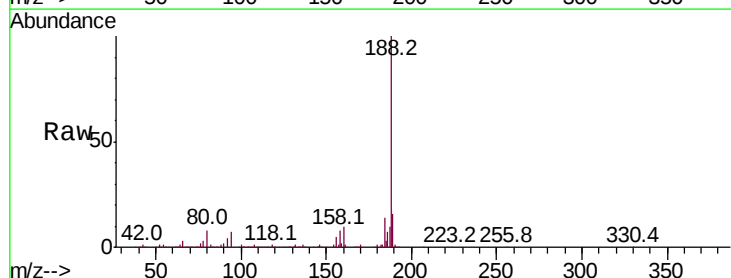
Tgt Ion:188 Resp: 503442

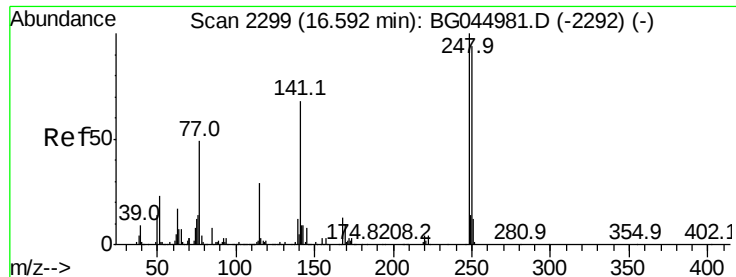
Ion Ratio Lower Upper

188 100

94 6.6 6.2 9.4

80 7.8 7.0 10.6

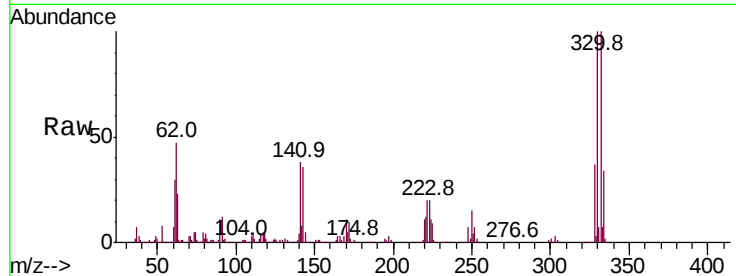




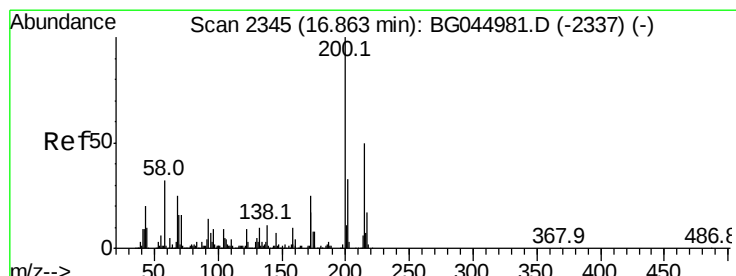
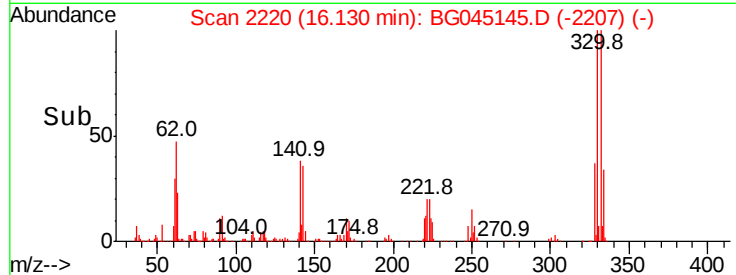
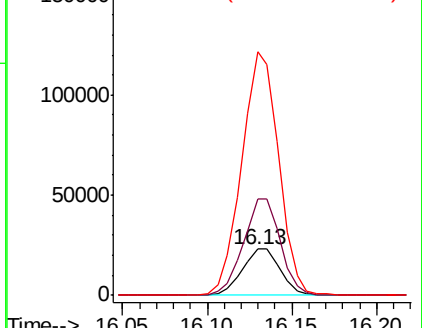
#67
4-Bromophenyl-phenylether
Concen: 5.540 ng
RT: 16.13 min Scan# 2220
Delta R.T. -0.45 min
Lab File: BG045145.D
Acq: 23 Apr 2020 17:10

Instrument :
BNA_G
ClientSampleId :
TP-5-S

Tot Ion:248 Resp: 35984
Ion Ratio Lower Upper
248 100
250 206.6 75.4 113.2#
141 524.5 54.4 81.6#

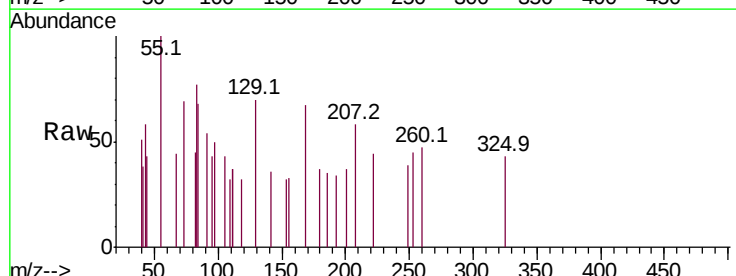


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

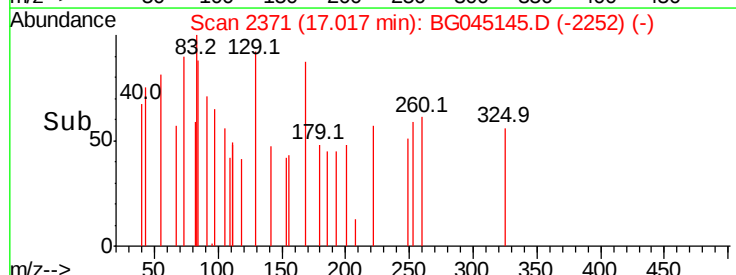
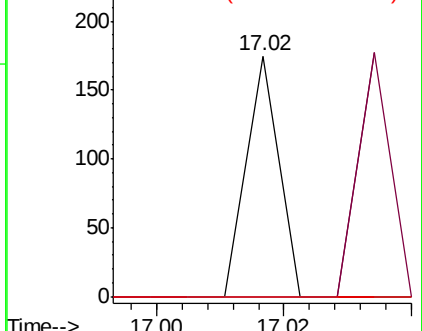


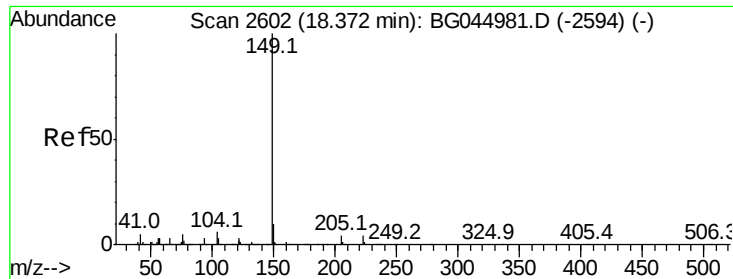
#69
Atrazine
Concen: Below Cal
RT: 17.02 min Scan# 2371
Delta R.T. 0.17 min
Lab File: BG045145.D
Acq: 23 Apr 2020 17:10

Tgt Ion:200 Resp: 62
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# 2599

Delta R.T. 0.00 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Instrument :

BNA_G

ClientSampleId :

TP-5-S

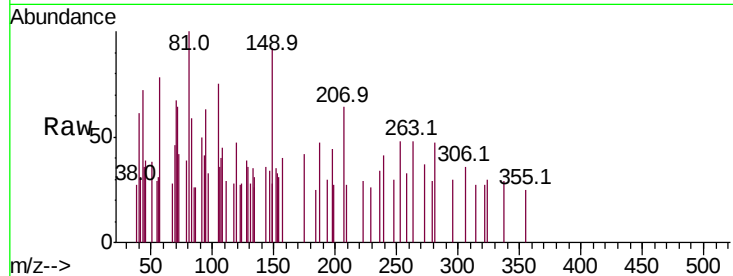
Tot Ion:149 Resp: 1021

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

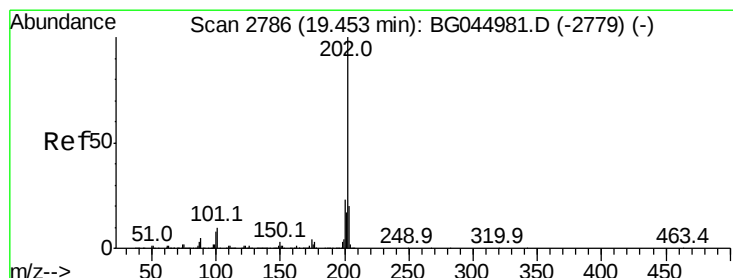
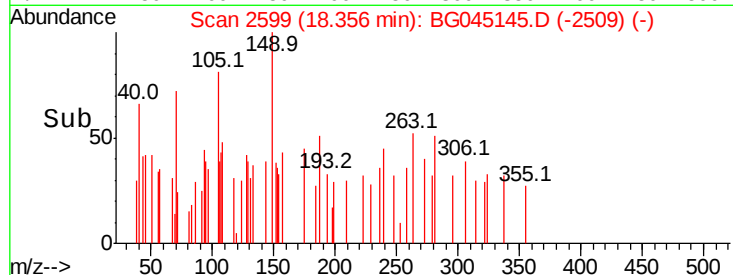
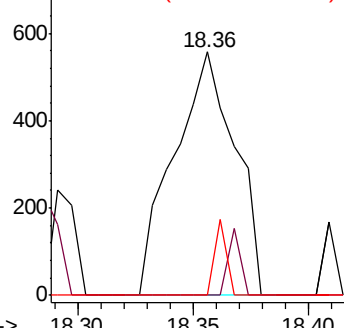
104 0.0 4.8 7.2#



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: 19.38 min Scan# 2774

Delta R.T. -0.06 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

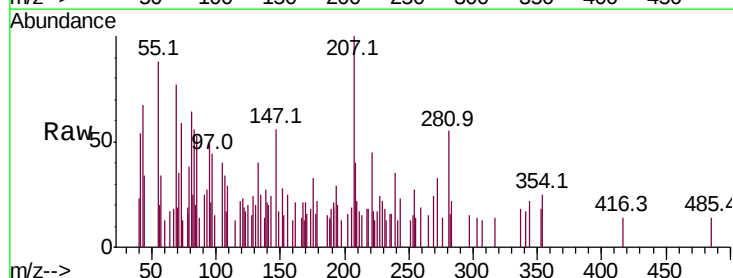
Tgt Ion:202 Resp: 67

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

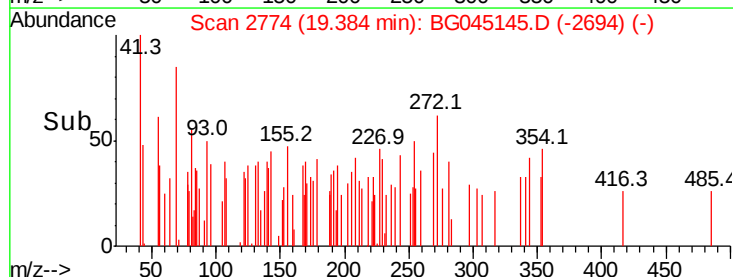
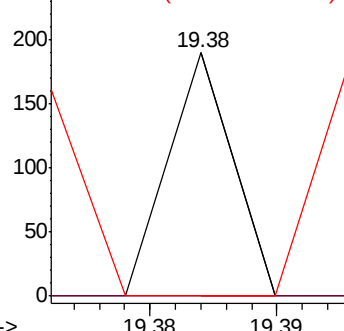
203 0.0 0.0 39.7

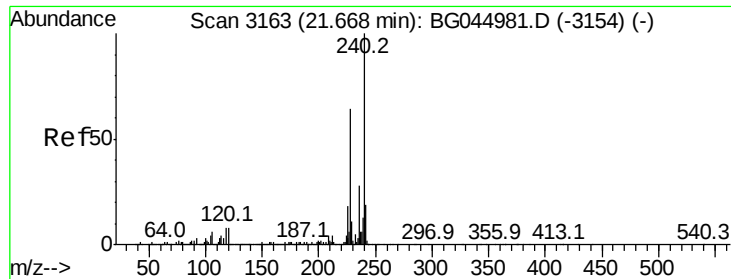


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.65 min Scan# 3160

Delta R.T. -0.01 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Instrument :

BNA_G

ClientSampleId :

TP-5-S

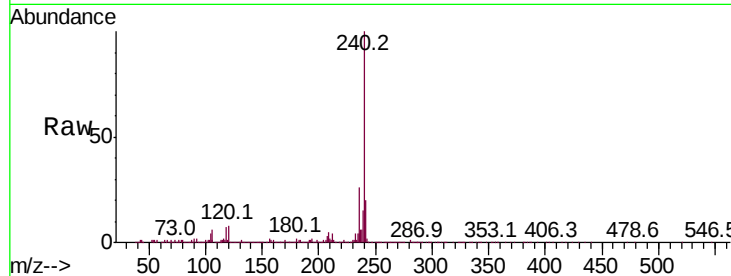
Tot Ion:240 Resp: 450163

Ion Ratio Lower Upper

240 100

120 7.7 6.6 10.0

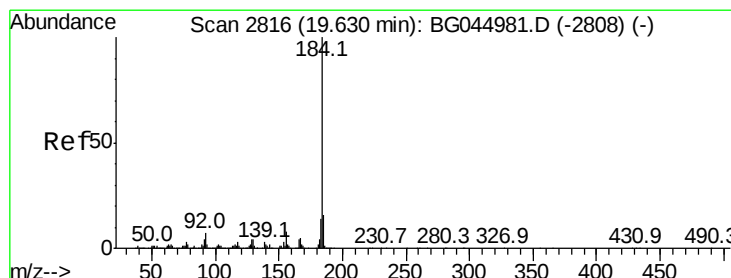
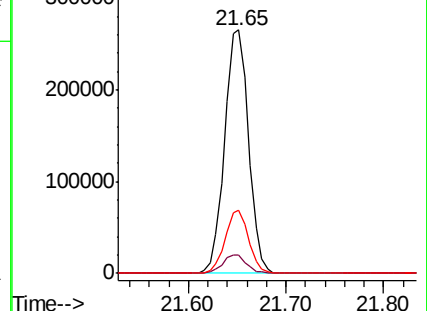
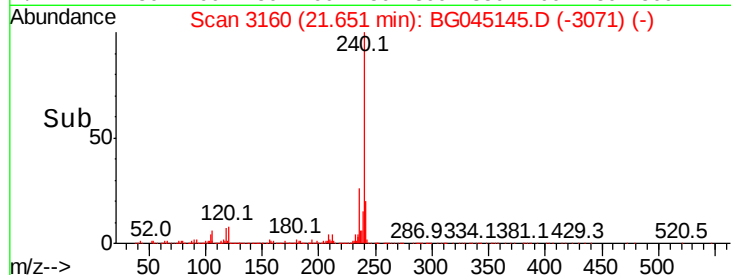
236 25.9 22.2 33.2



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: 20.00 min Scan# 2879

Delta R.T. 0.39 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

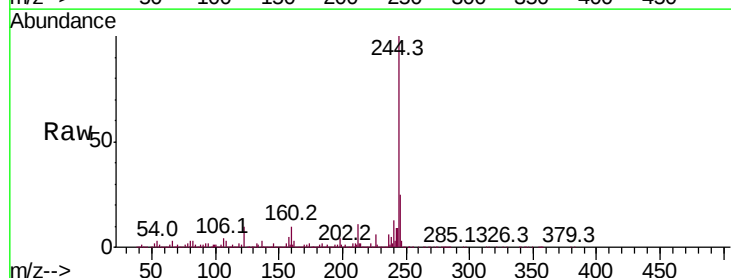
Tgt Ion:184 Resp: 49076

Ion Ratio Lower Upper

184 100

185 16.7 12.6 19.0

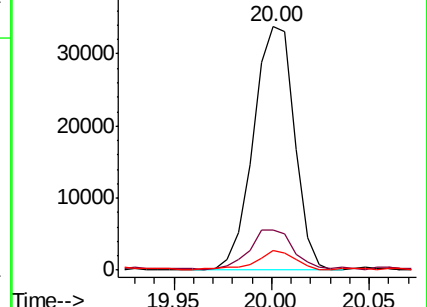
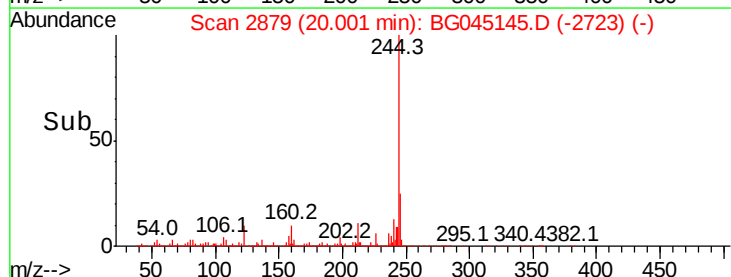
183 8.2 11.3 16.9#

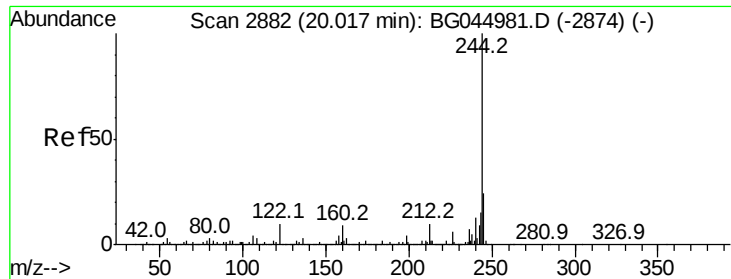


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 110.737 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

Instrument :

BNA_G

ClientSampleId :

TP-5-S

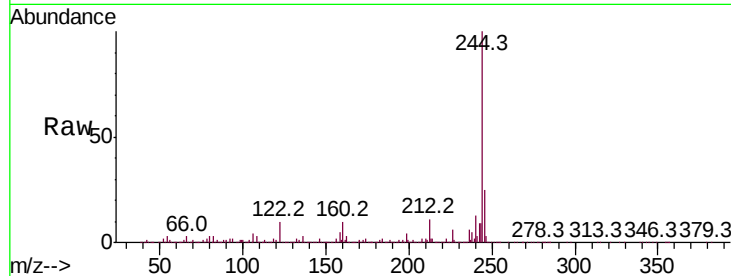
Tot Ion:244 Resp: 2287128

Ion Ratio Lower Upper

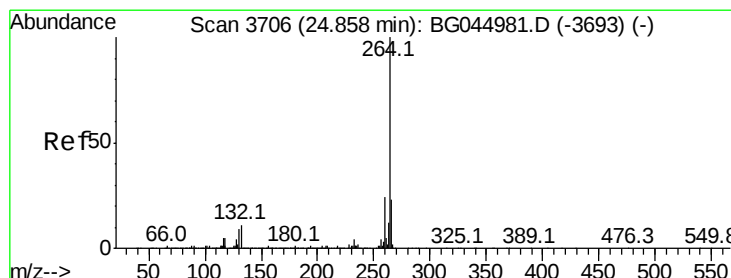
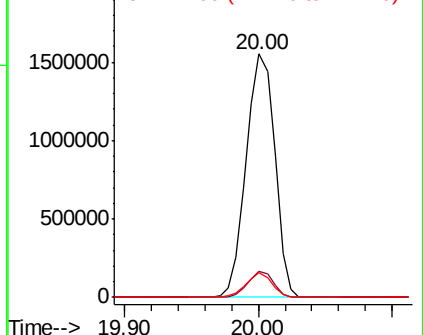
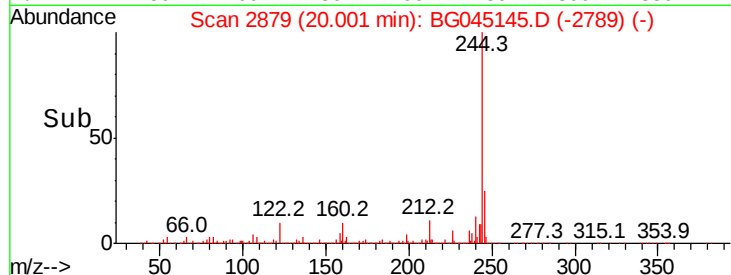
244 100

212 10.7 7.9 11.9

122 10.0 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: 24.83 min Scan# 3701

Delta R.T. -0.01 min

Lab File: BG045145.D

Acq: 23 Apr 2020 17:10

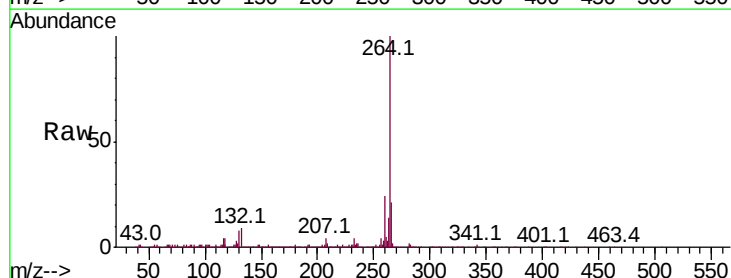
Tgt Ion:264 Resp: 484895

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.4 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

