

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050120\
 Data File : BG045227.D
 Acq On : 1 May 2020 22:18
 Operator : CG/JU
 Sample : L2463-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 04:58:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 11:17:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	59479	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	224822	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	173970	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	426386	20.00	ng	0.00
76) Chrysene-d12	21.64	240	443366	20.00	ng	-0.01
87) Perylene-d12	24.82	264	475307	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	452395	125.57	ng	0.00
7) Phenol-d6	7.15	99	567661	106.05	ng	0.00
23) Nitrobenzene-d5	9.15	82	478751	97.17	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	392199	145.93	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1135860	95.74	ng	0.00
79) Terphenyl-d14	20.00	244	2123476	104.39	ng	0.00

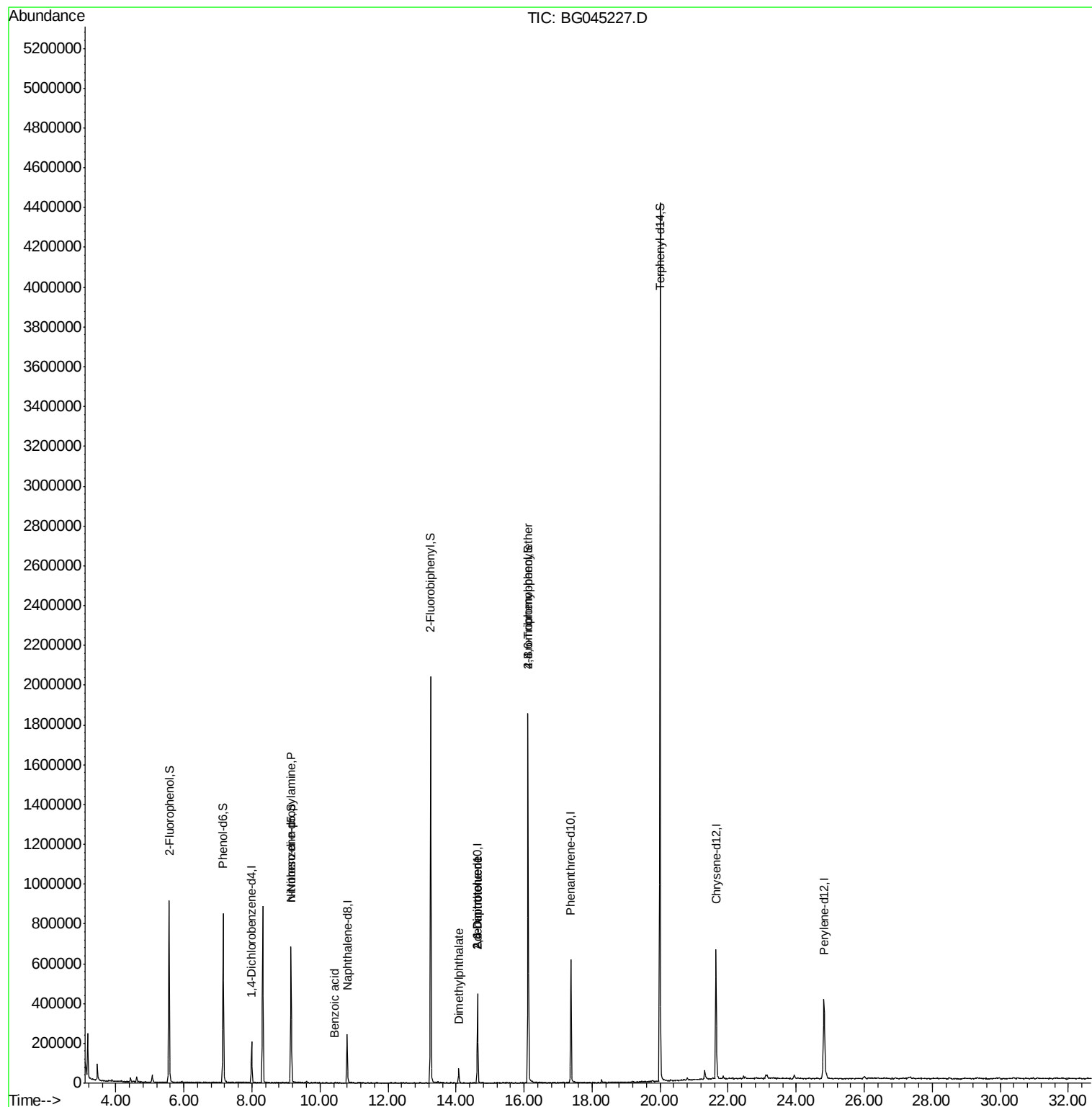
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	95	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	62832	16.598	ng	# 81
32) Benzoic acid	10.43	122	57	6.391	ng	# 1
50) Dimethylphthalate	14.08	163	52771	3.725	ng	96
51) 2,6-Dinitrotoluene	14.63	165	22690	7.161	ng	# 23
57) 2,4-Dinitrotoluene	14.63	165	22690	4.900	ng	# 21
67) 4-Bromophenyl-phenylether	16.12	248	27429	4.986	ng	# 1
69) Atrazine	16.37	200	58	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	2010	Below Cal	#	77
75) Fluoranthene	19.44	202	86	Below Cal	#	62
77) Benizidine	20.00	184	41709	Below Cal	#	91

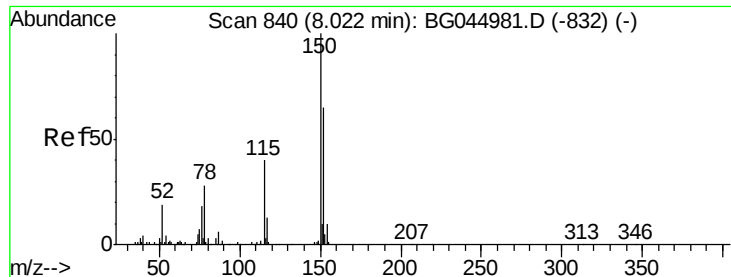
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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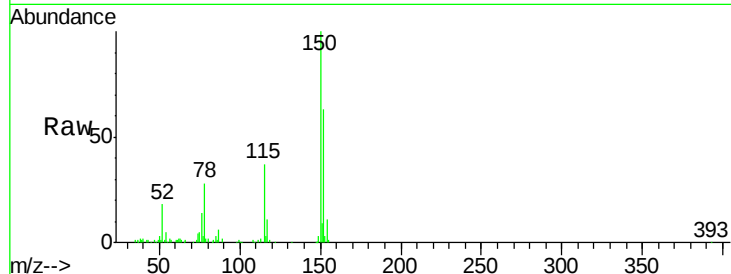


#1

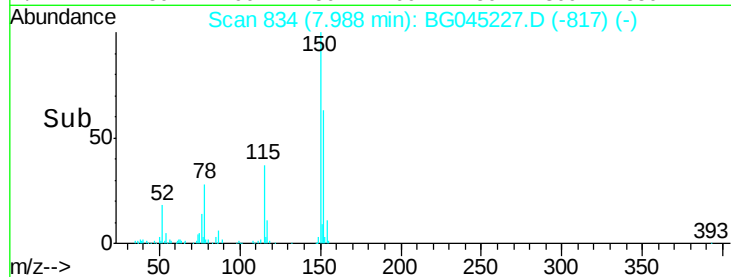
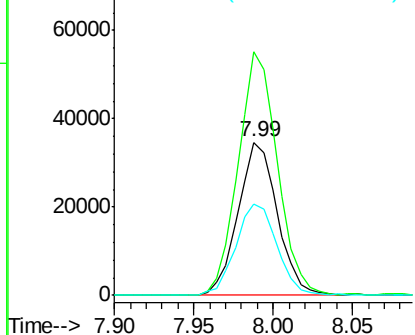
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59479
Ion Ratio Lower Upper
152 100
150 159.1 123.6 185.4
115 59.6 49.1 73.7



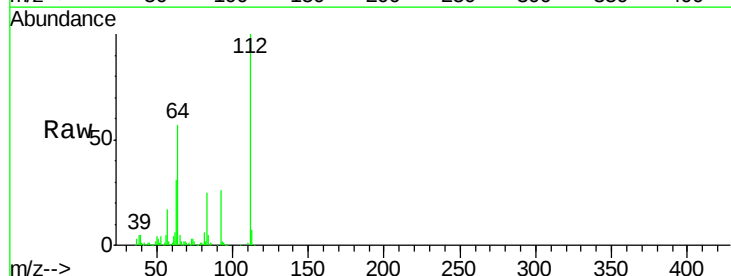
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



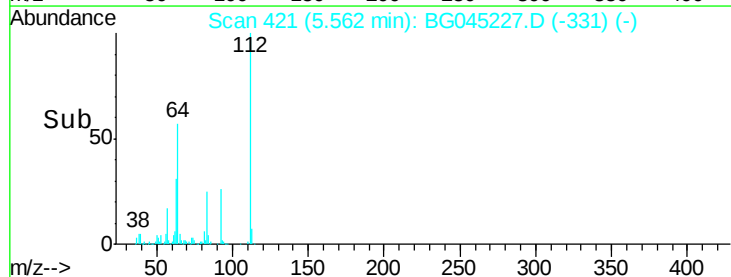
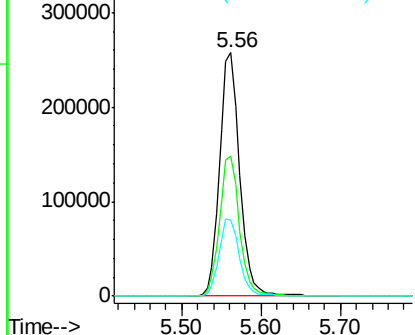
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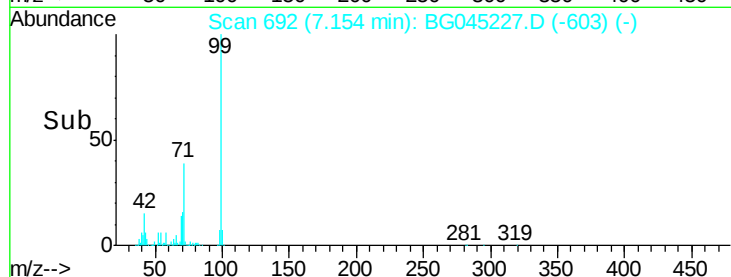
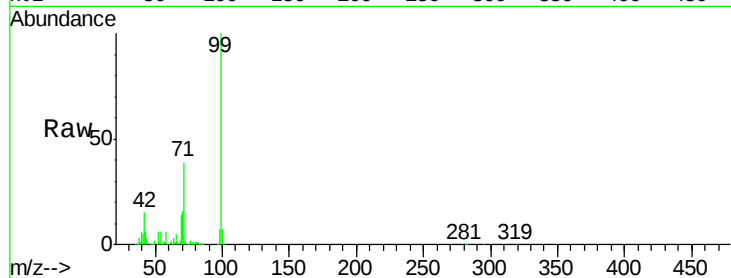
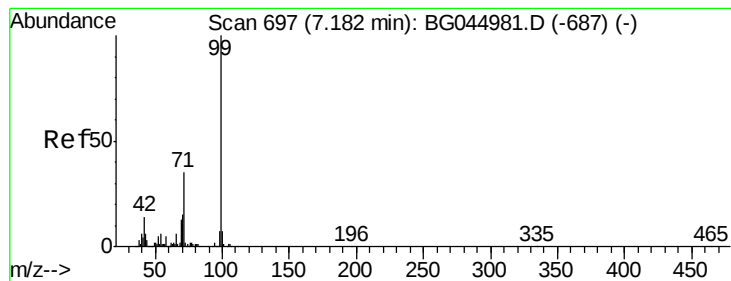
2-Fluorophenol
Concen: 125.570 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

Tgt Ion:112 Resp: 452395
Ion Ratio Lower Upper
112 100
64 57.3 42.4 63.6
63 31.4 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 106.050 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

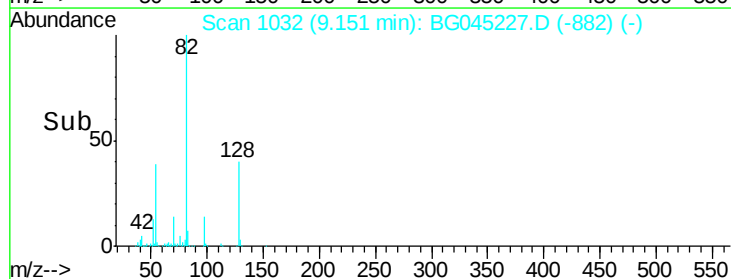
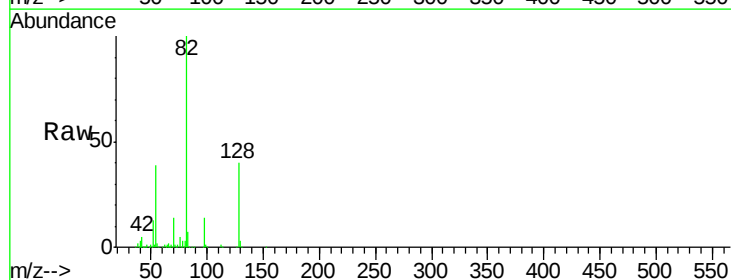
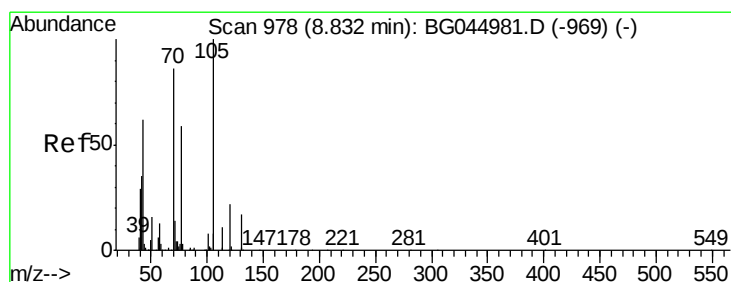
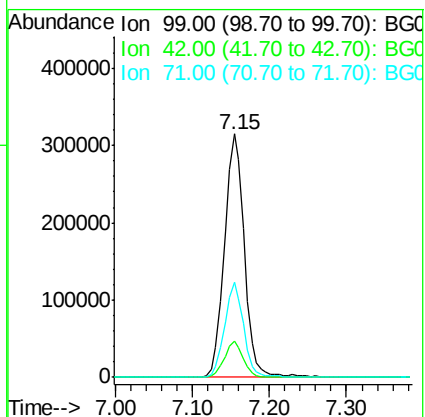
Tot Ion: 99 Resp: 567661

Ion Ratio Lower Upper

99 100

42 15.1 11.3 16.9

71 38.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.598 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

Tgt Ion: 70 Resp: 62832

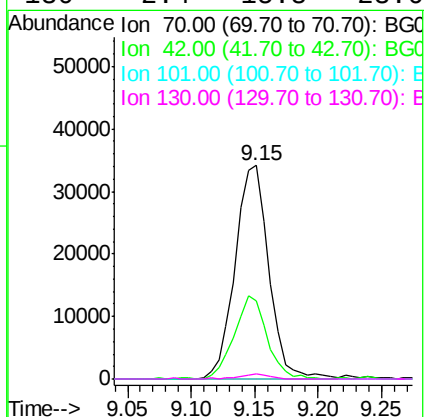
Ion Ratio Lower Upper

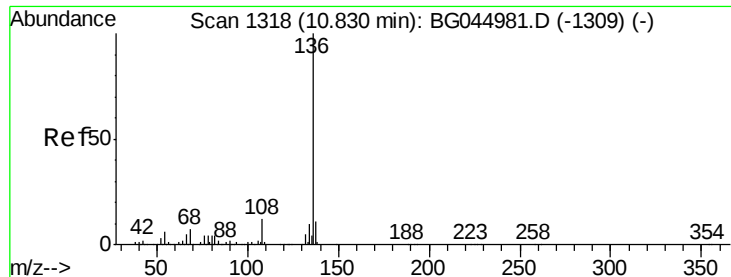
70 100

42 36.8 33.3 49.9

101 0.0 7.8 11.8#

130 2.4 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.80 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 224822

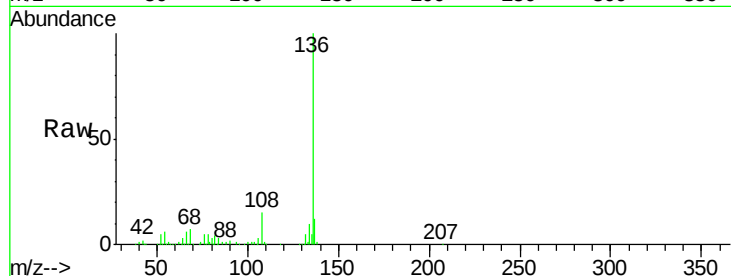
Ion Ratio Lower Upper

136 100

137 12.0 8.6 13.0

54 6.2 4.8 7.2

68 6.9 5.2 7.8

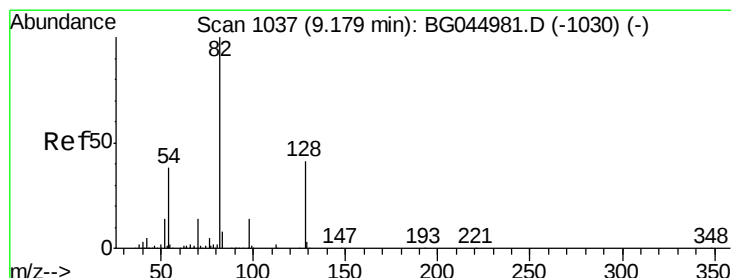
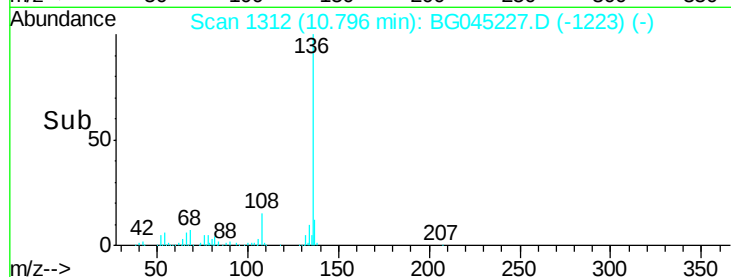
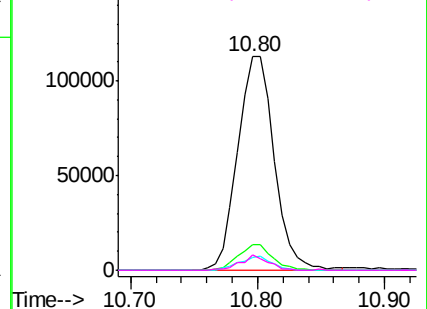


Abundance Ion 136.00 (135.70 to 136.70): E

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: 97.165 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

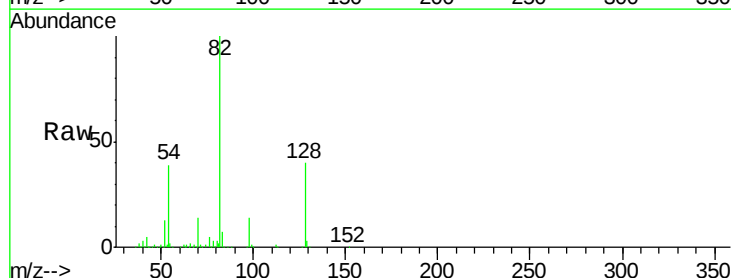
Tgt Ion: 82 Resp: 478751

Ion Ratio Lower Upper

82 100

128 40.4 33.0 49.4

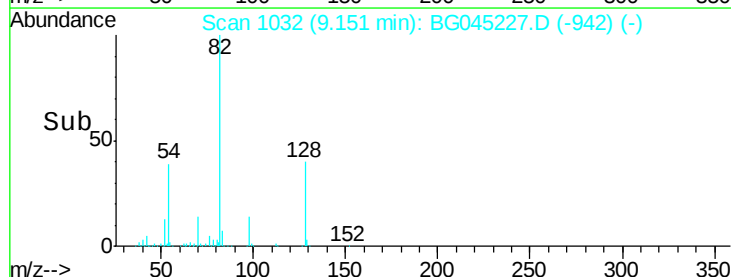
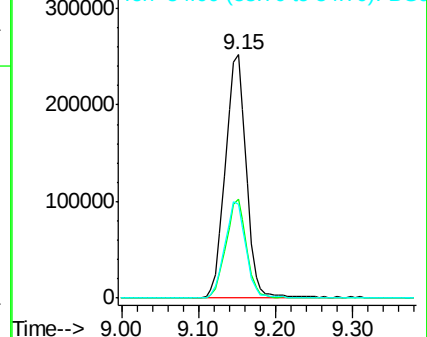
54 38.7 30.4 45.6

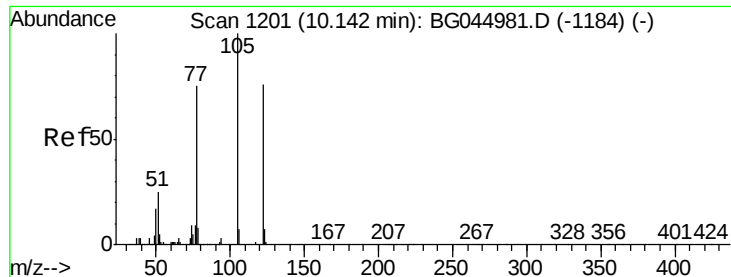


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

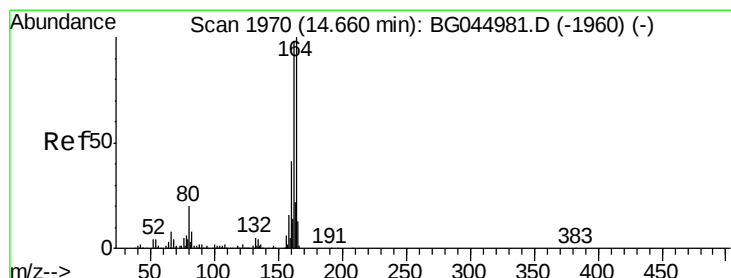
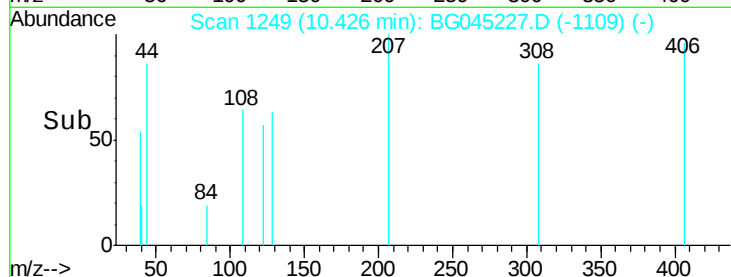
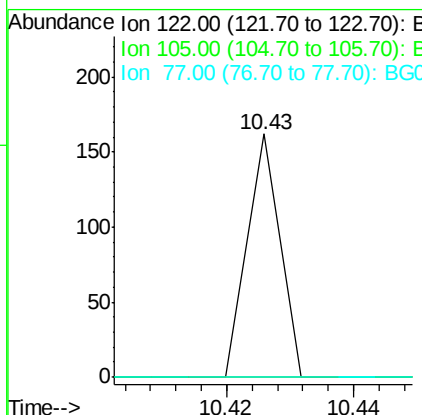
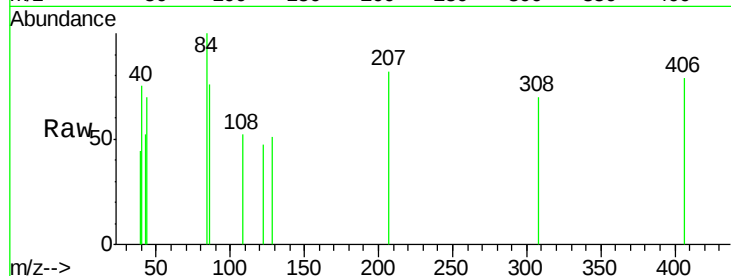




#32
Benzoic acid
Concen: 6.391 ng
RT: 10.43 min Scan# 1249
Delta R.T. 0.30 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

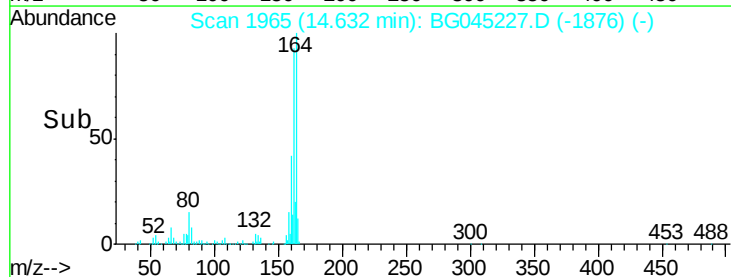
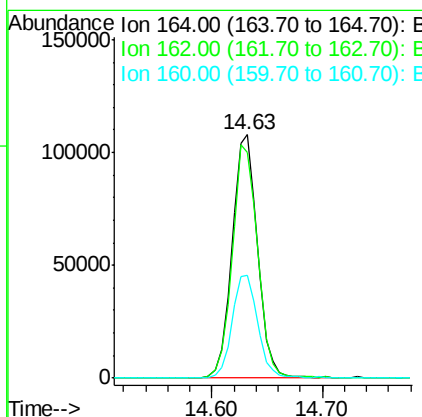
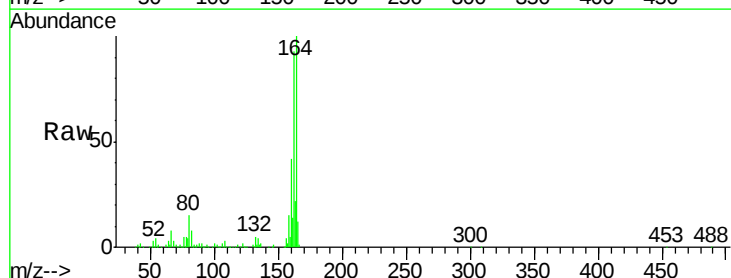
Instrument :
BNA_G
ClientSampleId :

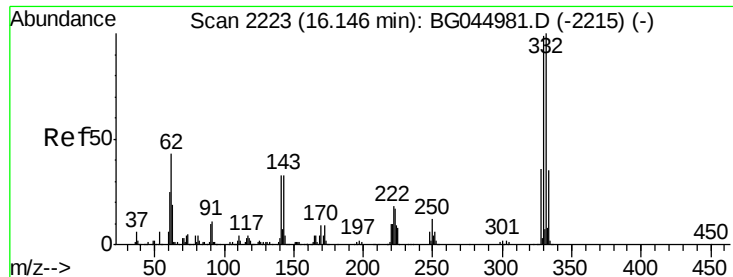
Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

Tgt Ion:164 Resp: 173970
Ion Ratio Lower Upper
164 100
162 92.6 78.7 118.1
160 42.3 32.8 49.2

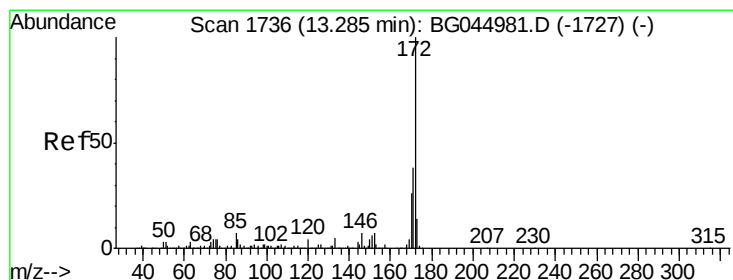
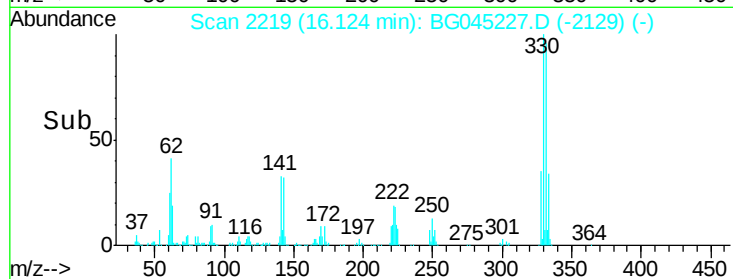
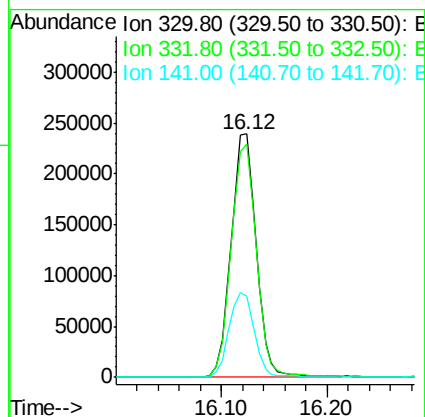
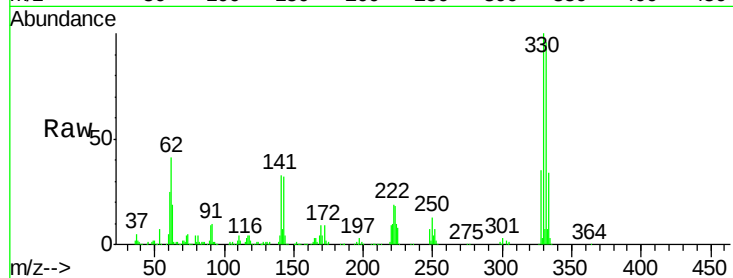




#42
 2,4,6-Tribromophenol
 Concen: 145.929 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BG045227.D
 Acq: 1 May 2020 22:18

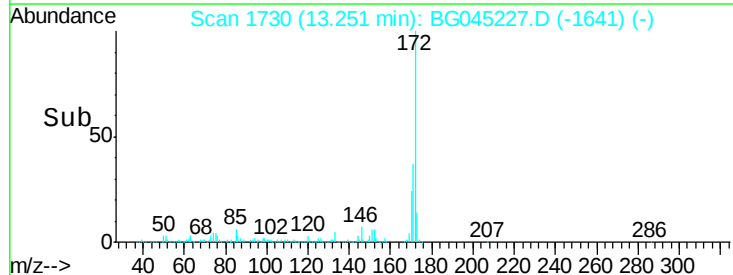
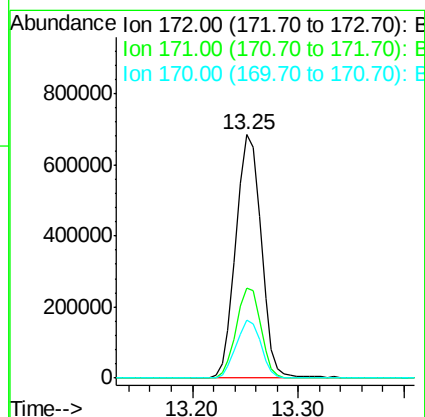
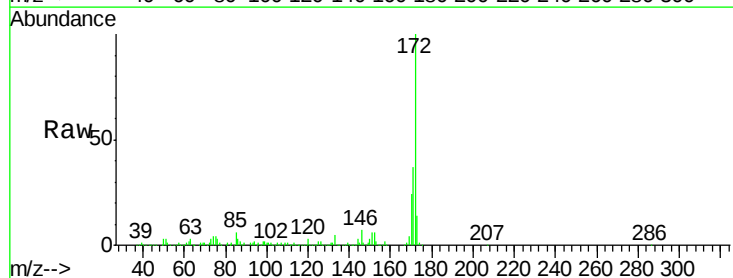
Instrument :
 BNA_G
 ClientSampleId :

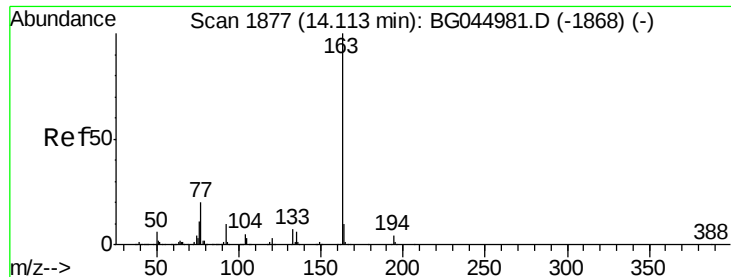
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	79.1	118.7
141	35.2	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 95.737 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG045227.D
 Acq: 1 May 2020 22:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	46.0
170	23.6	20.5	30.7

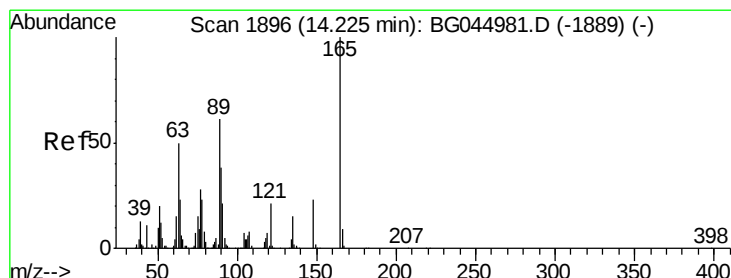
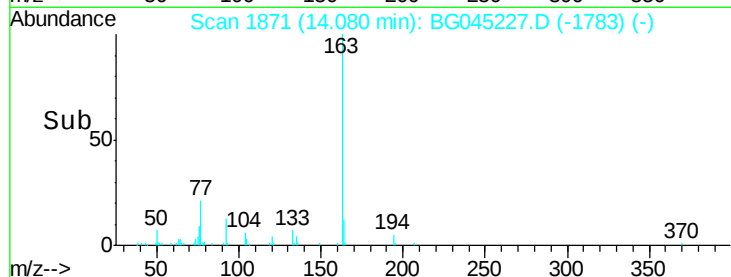
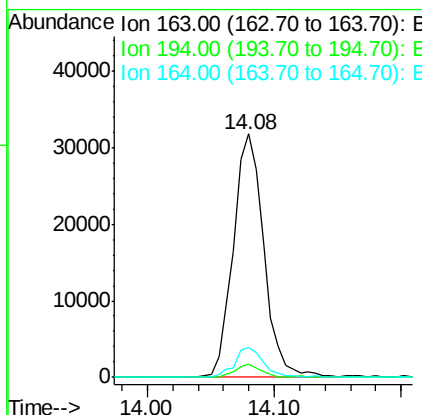
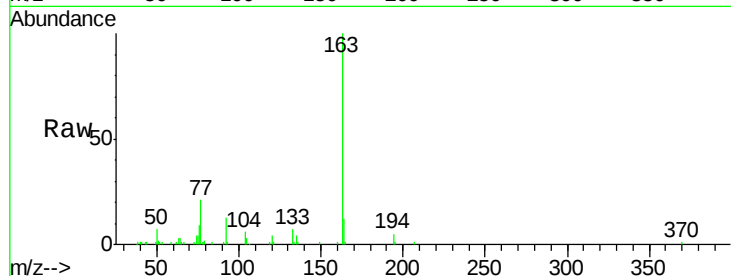




#50
Dimethylphthalate
Concen: 3.725 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

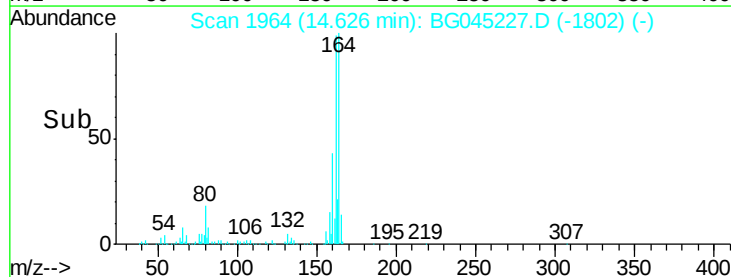
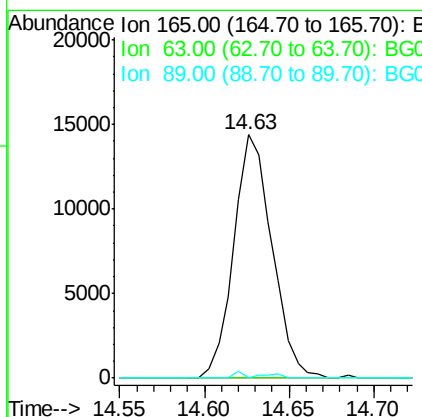
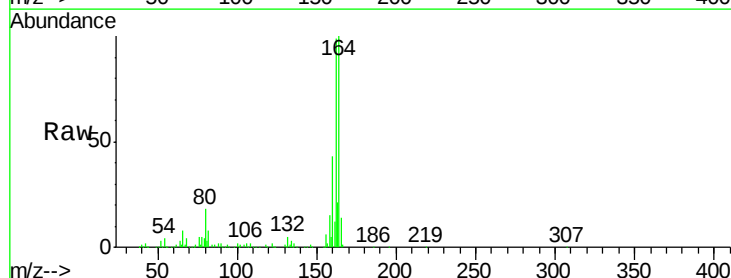
Instrument :
BNA_G
ClientSampleId :

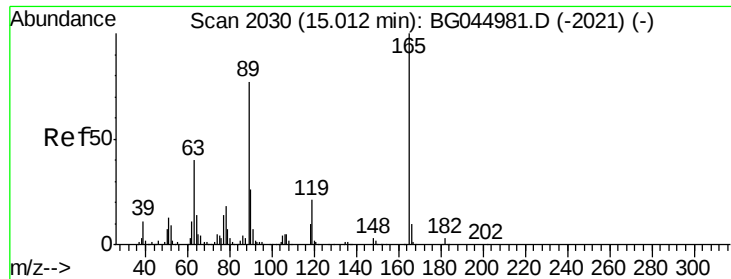
Tot Ion:163 Resp: 52771
Ion Ratio Lower Upper
163 100
194 5.2 3.5 5.3
164 12.0 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 7.161 ng
RT: 14.63 min Scan# 1964
Delta R.T. 0.42 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

Tgt Ion:165 Resp: 22690
Ion Ratio Lower Upper
165 100
63 0.0 40.4 60.6#
89 0.0 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 4.900 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.36 min

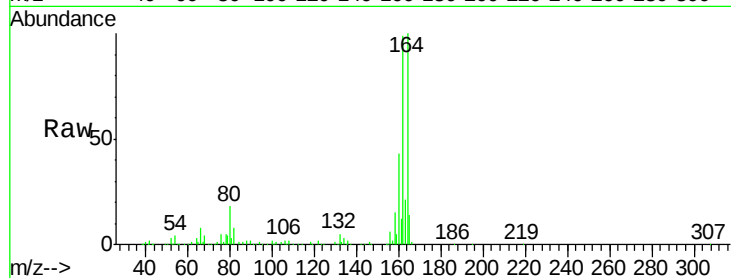
Lab File: BG045227.D

Acq: 1 May 2020 22:18

Instrument :

BNA_G

ClientSampleId :



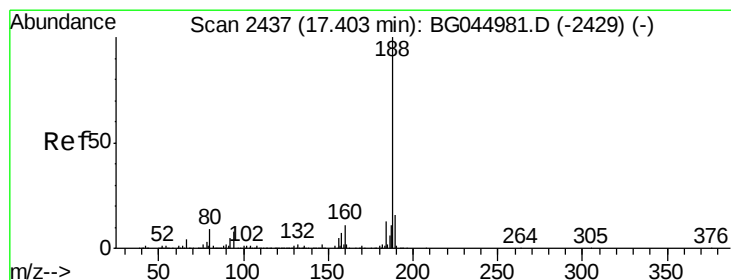
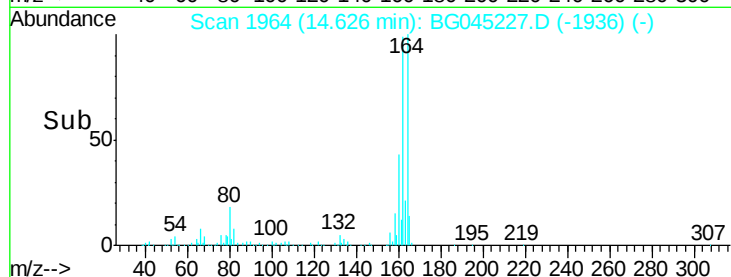
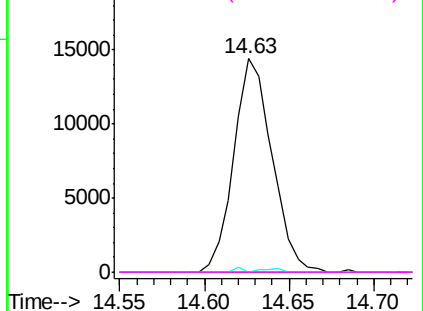
Tot Ion:	165	Resp:	22690
Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.2	48.2#
89	0.0	61.7	92.5#
182	0.0	2.0	3.0#

Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045227.D

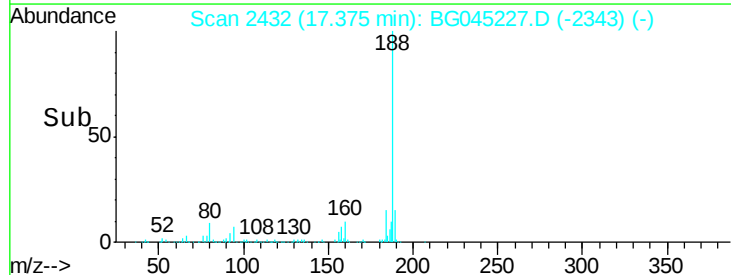
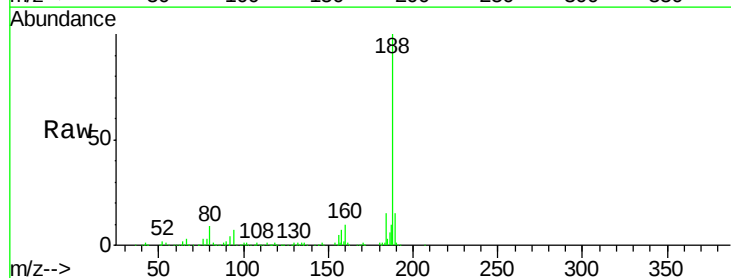
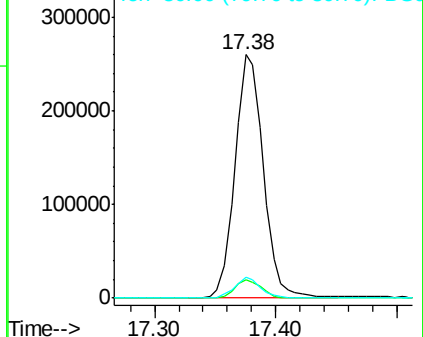
Acq: 1 May 2020 22:18

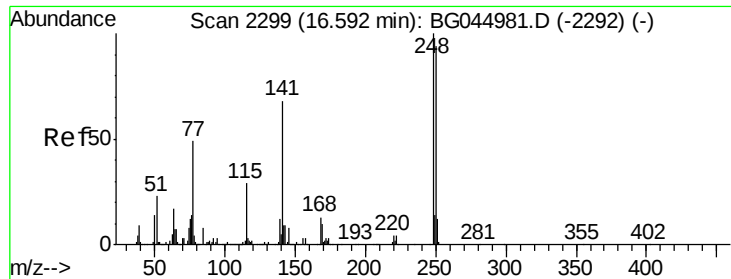
Tgt Ion:	188	Resp:	426386
Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.4
80	8.8	7.0	10.6

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

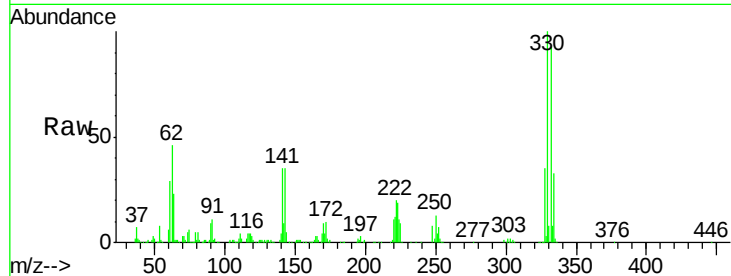




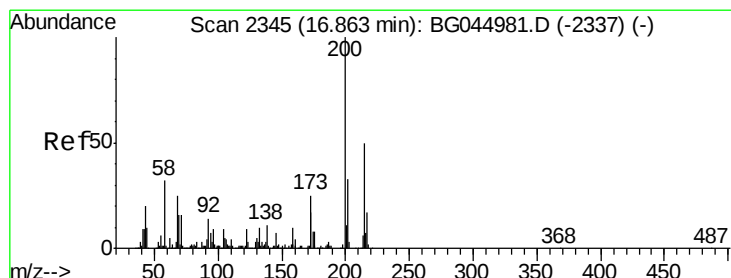
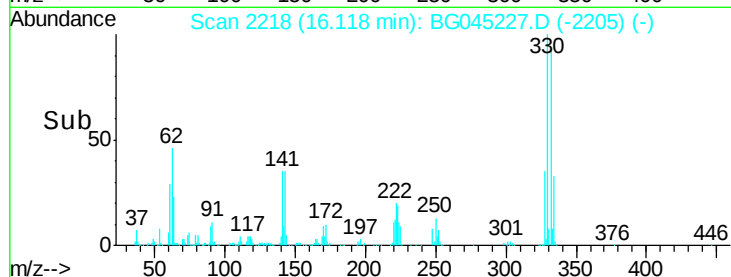
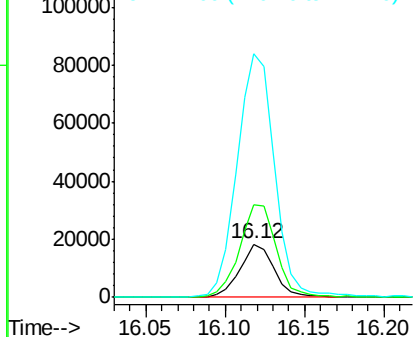
#67
4-Bromophenyl-phenylether
Concen: 4.986 ng
RT: 16.12 min Scan# 2218
Delta R.T. -0.45 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 27429
Ion Ratio Lower Upper
248 100
250 174.8 75.4 113.2#
141 457.4 54.4 81.6#

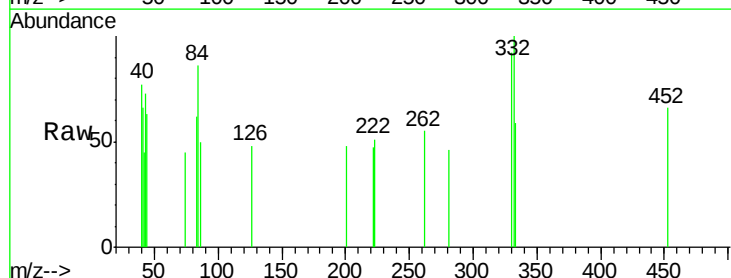


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

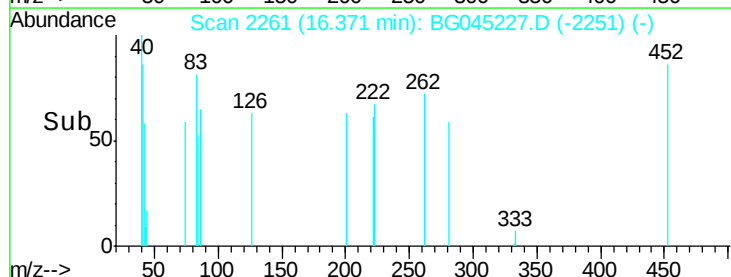
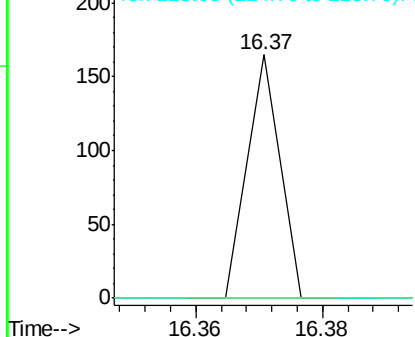


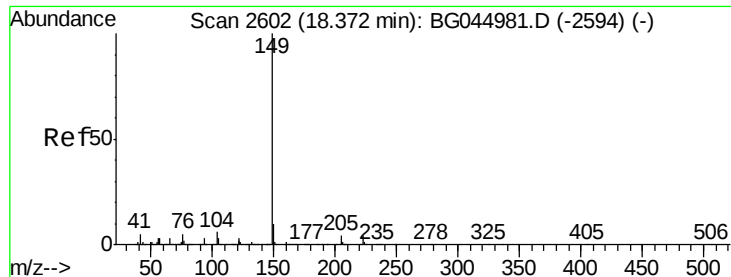
#69
Atrazine
Concen: Below Cal
RT: 16.37 min Scan# 2261
Delta R.T. -0.47 min
Lab File: BG045227.D
Acq: 1 May 2020 22:18

Tgt Ion:200 Resp: 58
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: 18.34 min Scan# 2597

Delta R.T. -0.00 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

Instrument :

BNA_G

ClientSampleId :

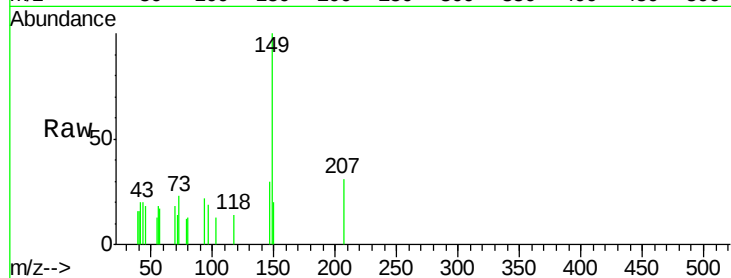
Tot Ion:149 Resp: 2010

Ion Ratio Lower Upper

149 100

150 19.6 8.2 12.2#

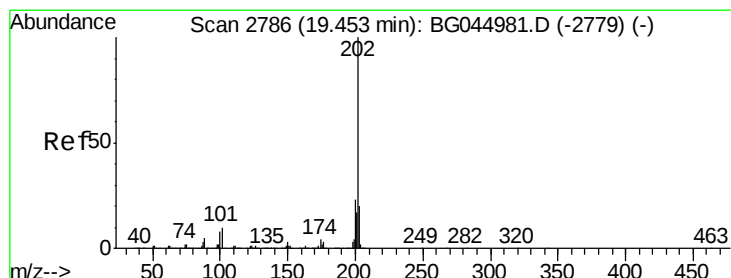
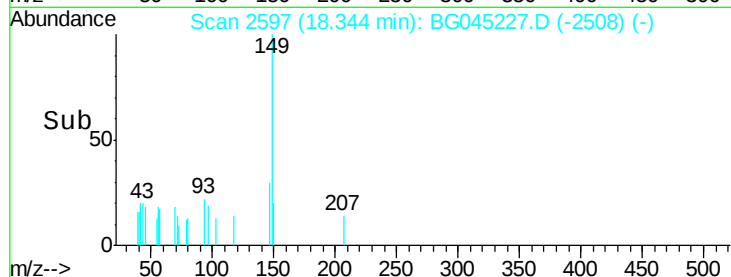
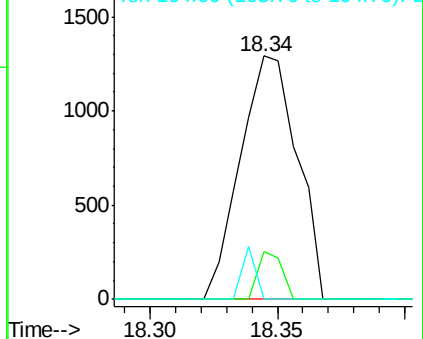
104 0.0 4.8 7.2#



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: 19.44 min Scan# 2783

Delta R.T. 0.00 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

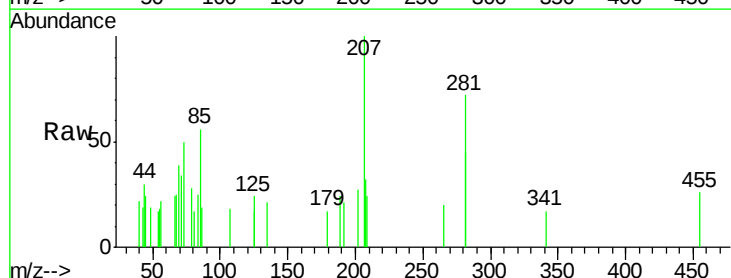
Tgt Ion:202 Resp: 86

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

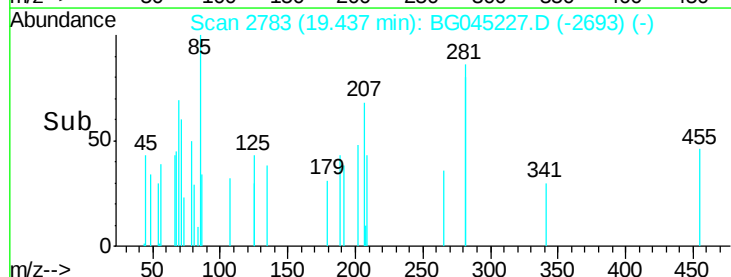
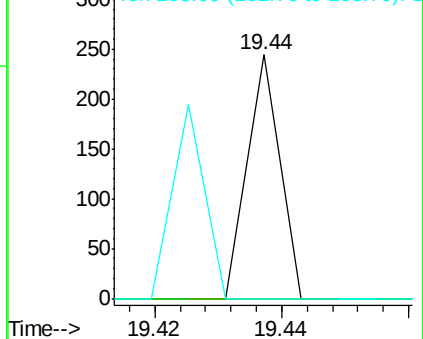
203 0.0 0.0 39.7

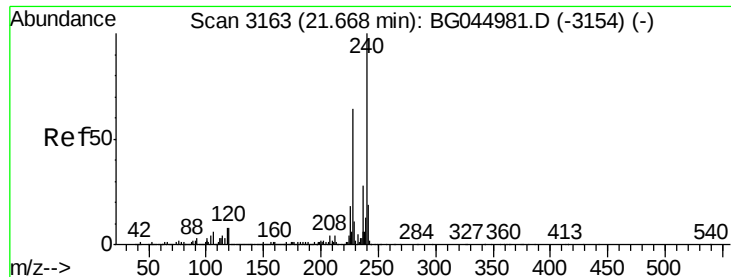


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

Instrument :

BNA_G

ClientSampleId :

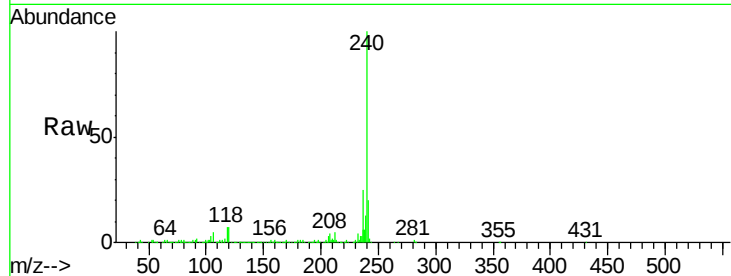
Tot Ion:240 Resp: 443366

Ion Ratio Lower Upper

240 100

120 6.5 6.6 10.0#

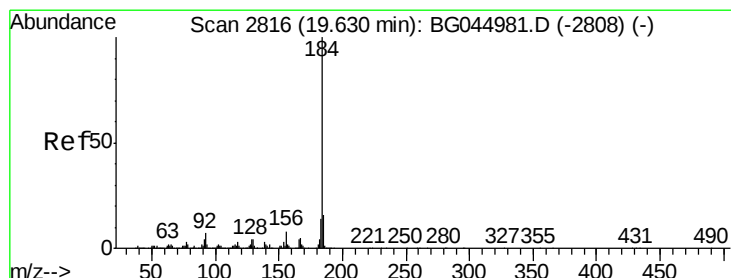
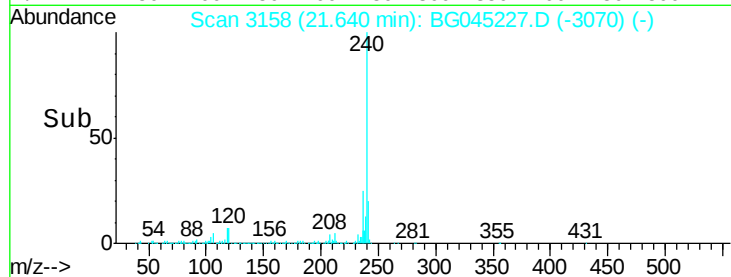
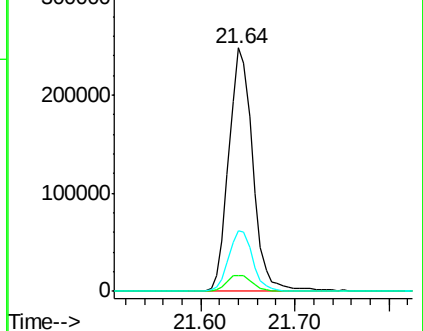
236 25.0 22.2 33.2



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# 2878

Delta R.T. 0.38 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

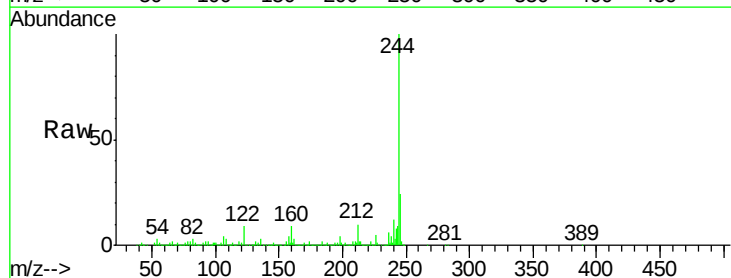
Tgt Ion:184 Resp: 41709

Ion Ratio Lower Upper

184 100

185 16.5 12.6 19.0

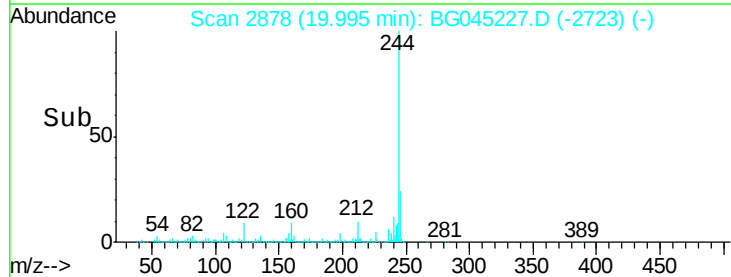
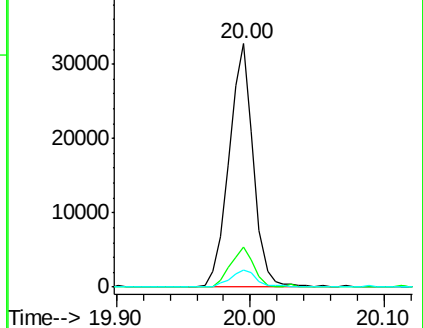
183 6.8 11.3 16.9#

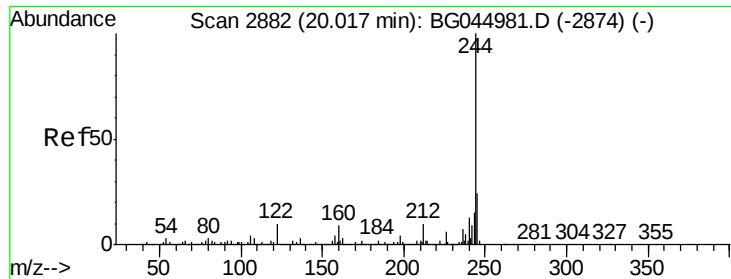


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 104.389 ng

RT: 20.00 min Scan# 2878

Delta R.T. 0.00 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

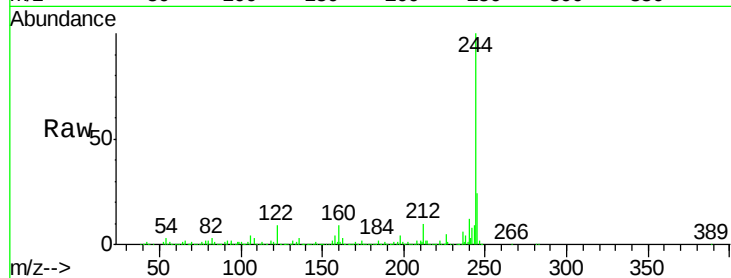
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 2123476

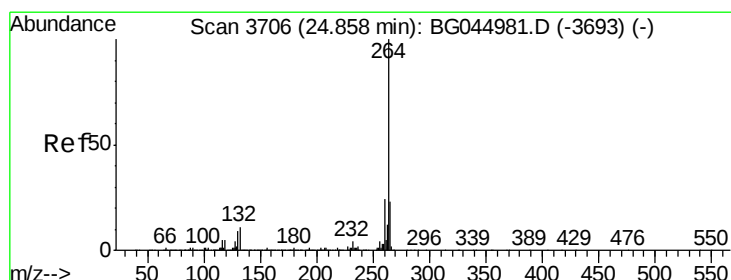
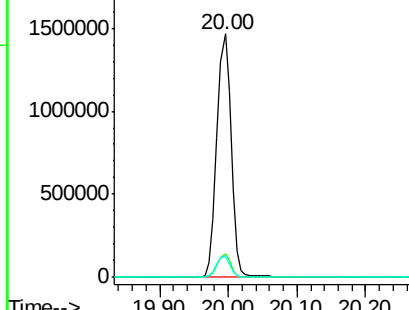
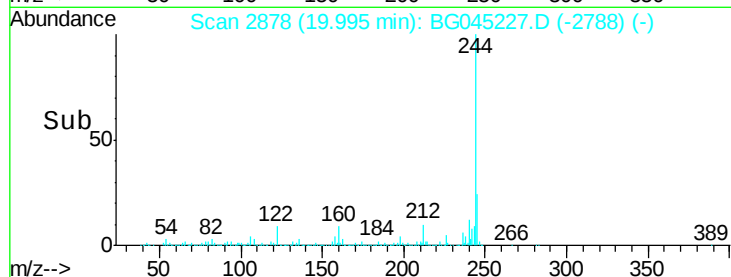
Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.9	11.9
122	8.6	7.7	11.5



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: 24.82 min Scan# 3699

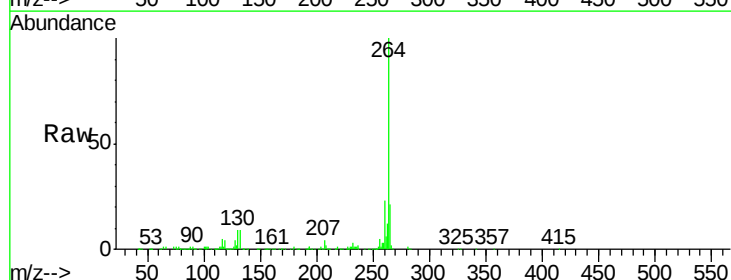
Delta R.T. -0.01 min

Lab File: BG045227.D

Acq: 1 May 2020 22:18

Tgt Ion:264 Resp: 475307

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.5	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

