

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042720\
 Data File : BG045176.D
 Acq On : 27 Apr 2020 12:36
 Operator : CG/JU
 Sample : L2399-04
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1-A

Quant Time: Apr 27 13:17:21 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 27 12:48:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	60913	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	237872	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	189627	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	487764	20.00	ng	0.00
76) Chrysene-d12	21.65	240	472089	20.00	ng	0.00
87) Perylene-d12	24.82	264	492735	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	486784	131.93	ng	0.00
7) Phenol-d6	7.16	99	584868	106.69	ng	0.00
23) Nitrobenzene-d5	9.15	82	528896	101.45	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	446918	152.56	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1304357	100.86	ng	0.00
79) Terphenyl-d14	19.99	244	2414595	111.48	ng	0.00

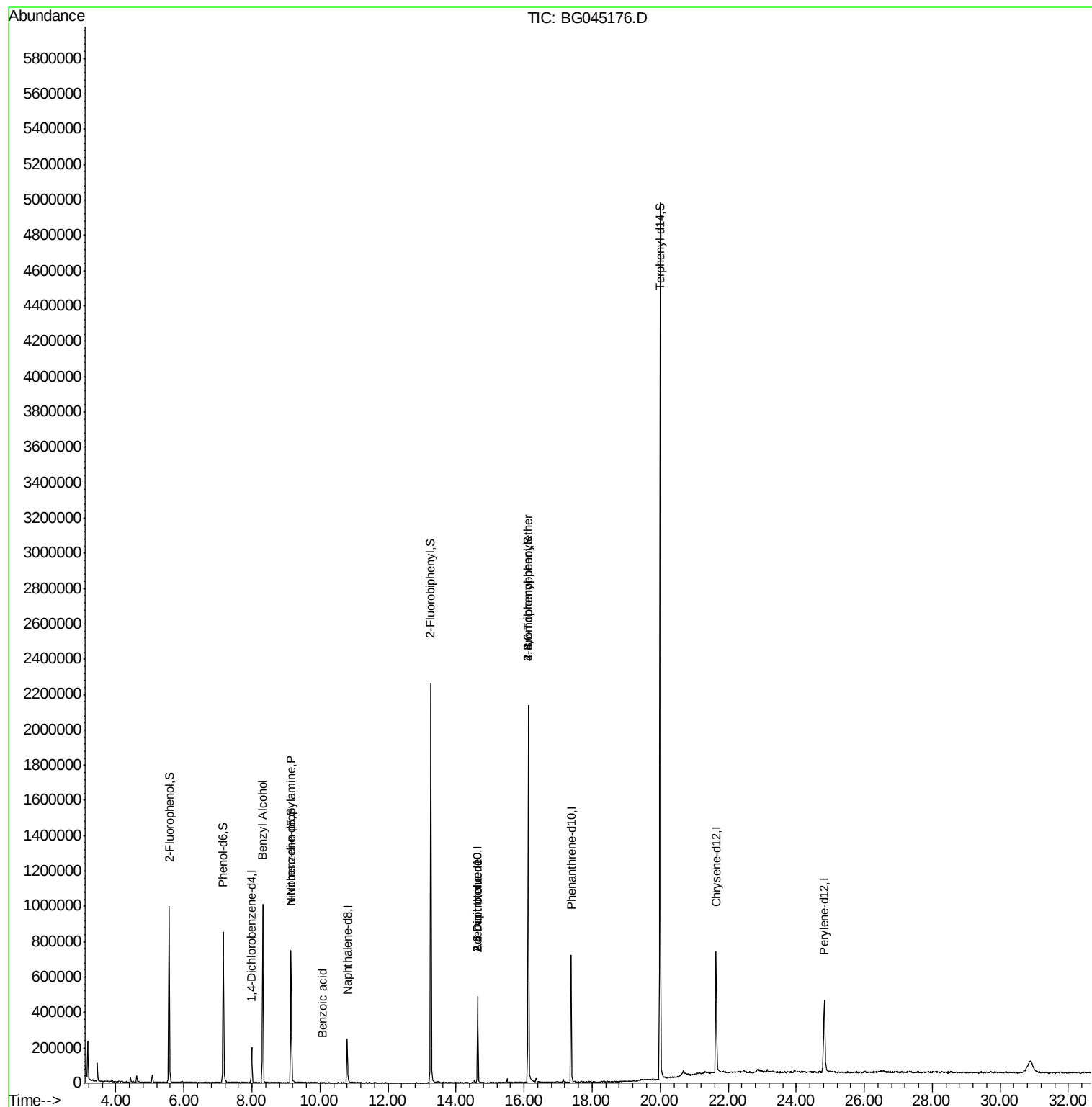
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.10	77	61	Below Cal	#	4
15) Benzyl Alcohol	8.32	79	9215	2.005 ng	#	56
19) n-Nitroso-di-n-propylamine	9.15	70	72084	18.594 ng	#	78
32) Benzoic acid	10.07	122	60	6.391 ng	#	1
51) 2,6-Dinitrotoluene	14.64	165	25454	7.370 ng	#	25
57) 2,4-Dinitrotoluene	14.64	165	25454	5.043 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	29740	4.726 ng	#	1
69) Atrazine	16.96	200	75	Below Cal	#	35
74) Di-n-butylphthalate	18.35	149	4200	Below Cal	#	86
75) Fluoranthene	19.44	202	214	Below Cal	#	62
77) Benzydine	19.99	184	48910	Below Cal	#	89

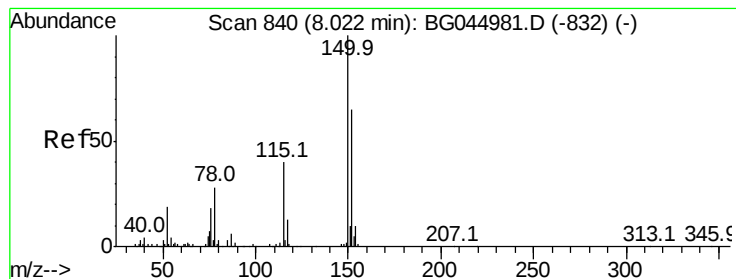
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.99 min Scan# 835

Delta R.T. 0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

BNA_G

ClientSampleId :

SP1-A

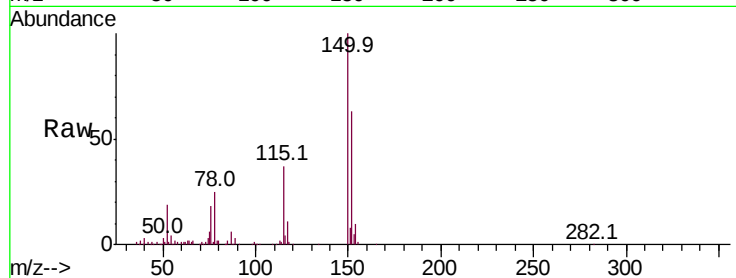
Tot Ion:152 Resp: 60913

Ion Ratio Lower Upper

152 100

150 159.0 123.6 185.4

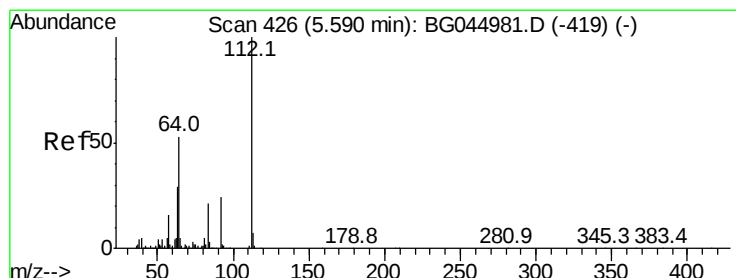
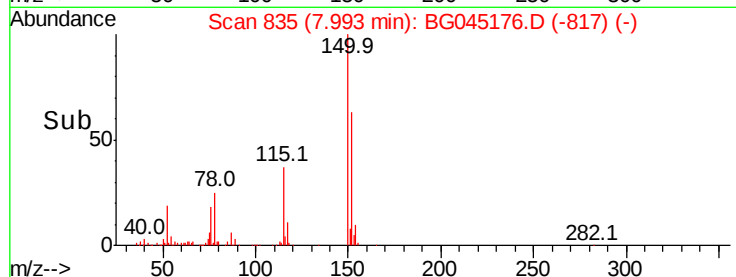
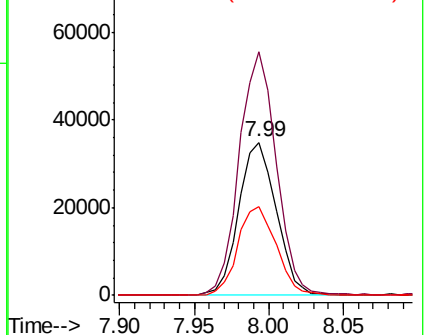
115 58.1 49.1 73.7



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: 131.935 ng

RT: 5.56 min Scan# 421

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

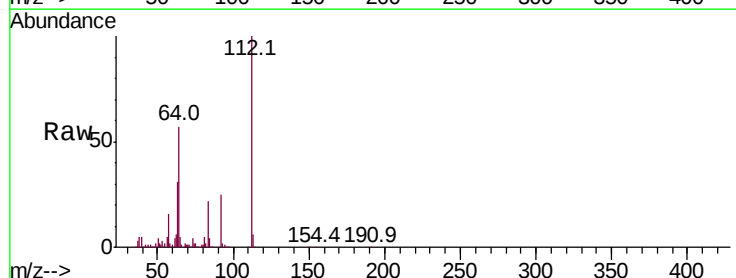
Tgt Ion:112 Resp: 486784

Ion Ratio Lower Upper

112 100

64 57.4 42.4 63.6

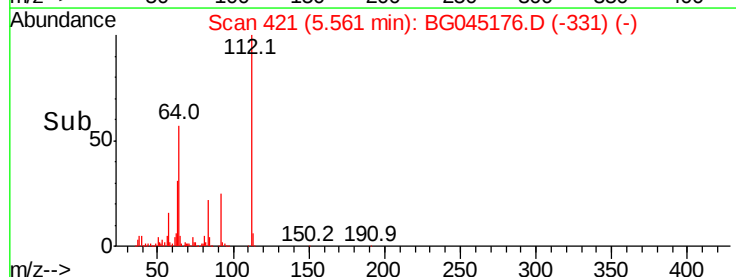
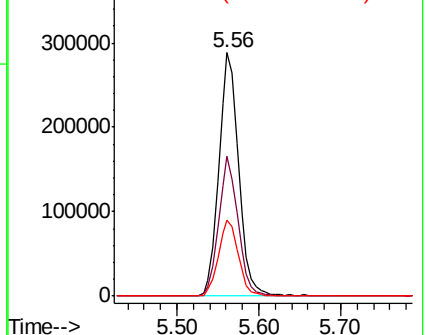
63 31.2 23.1 34.7



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: 106.693 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

BNA_G

ClientSampleId :

SP1-A

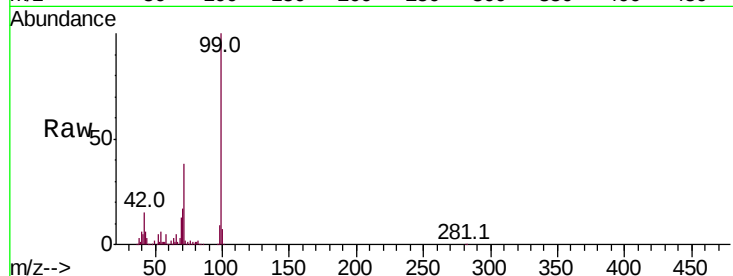
Tot Ion: 99 Resp: 584868

Ion Ratio Lower Upper

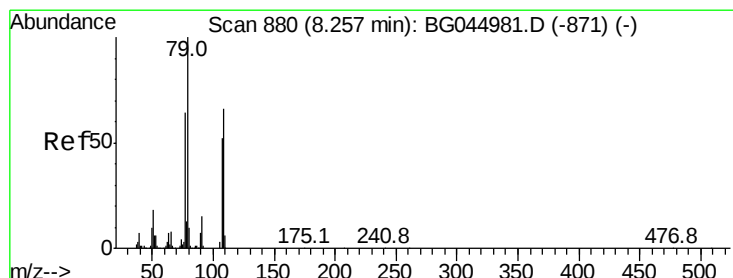
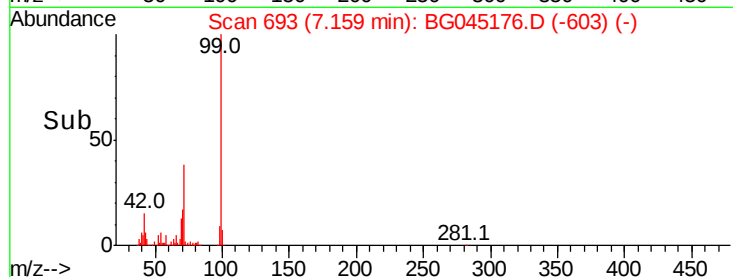
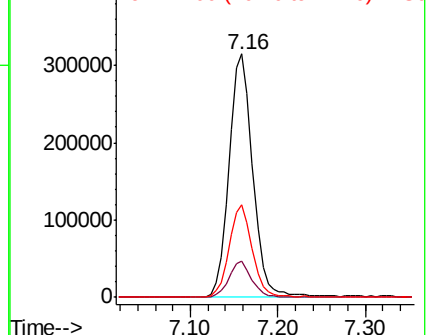
99 100

42 15.1 11.3 16.9

71 37.8 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: 2.005 ng

RT: 8.32 min Scan# 891

Delta R.T. 0.09 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

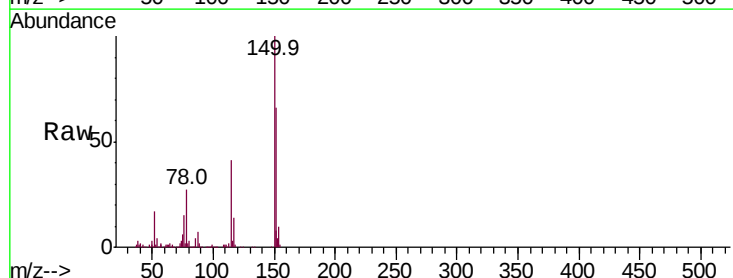
Tgt Ion: 79 Resp: 9215

Ion Ratio Lower Upper

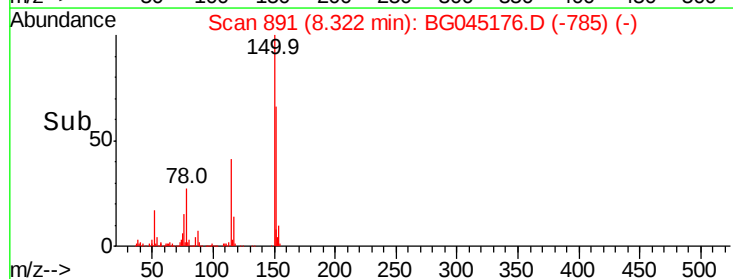
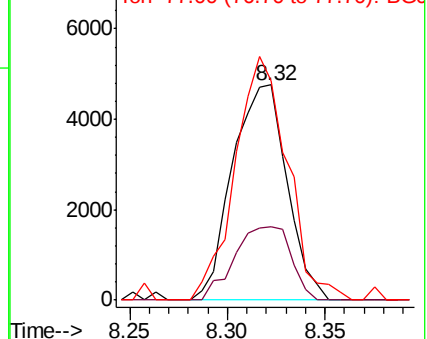
79 100

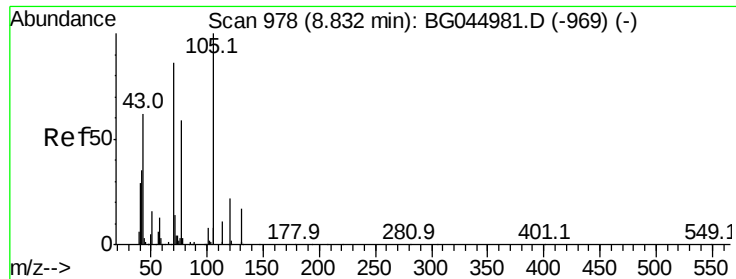
108 34.3 52.7 79.1#

77 102.0 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

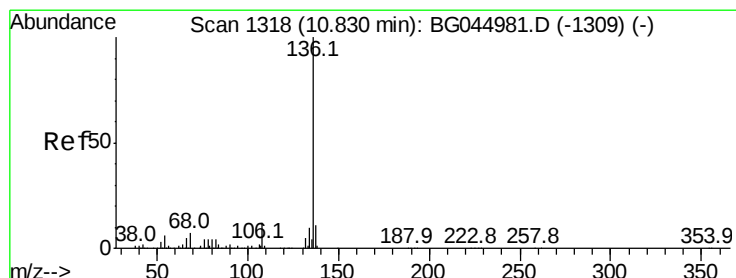
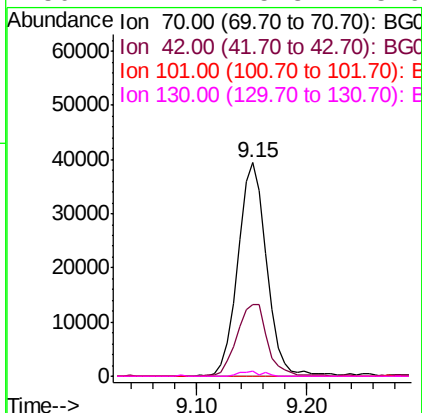
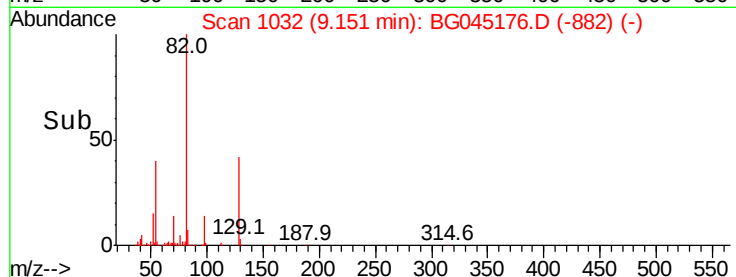
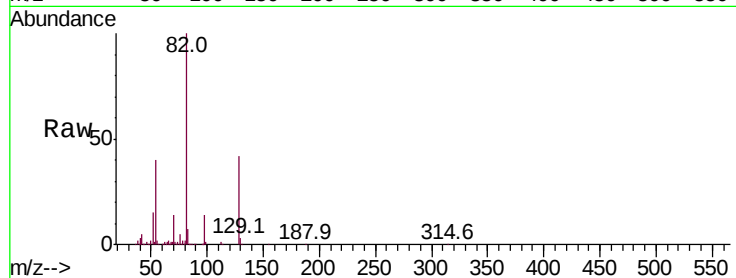




#19
n-Nitroso-di-n-propylamine
Concen: 18.594 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.35 min
Lab File: BG045176.D
Acq: 27 Apr 2020 12:36

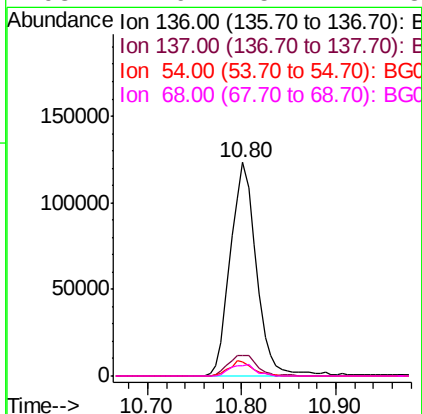
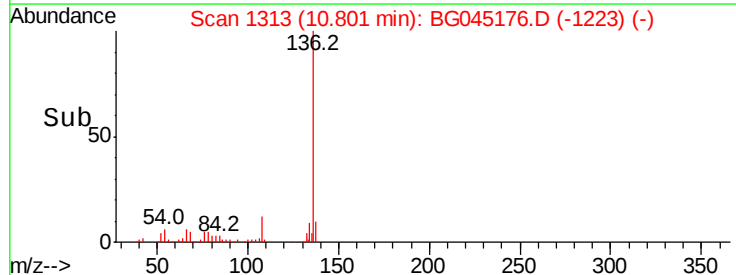
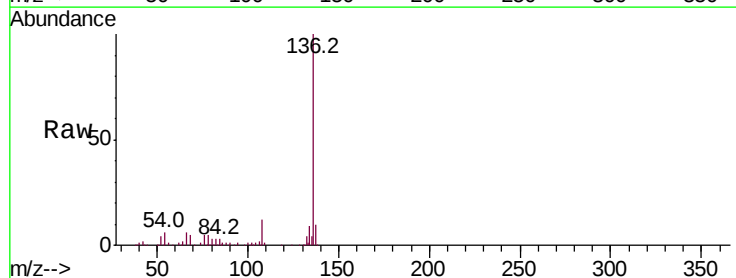
Instrument :
BNA_G
ClientSampleId :
SP1-A

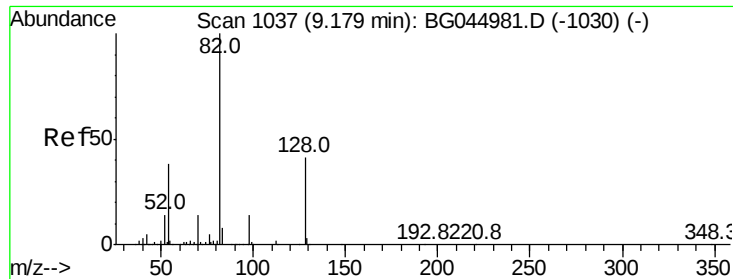
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	33.7	33.3	49.9	
101	0.0	7.8	11.8#	
130	2.2	15.8	23.6#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045176.D
Acq: 27 Apr 2020 12:36

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	9.9	8.6	13.0	
54	6.3	4.8	7.2	
68	4.9	5.2	7.8#	

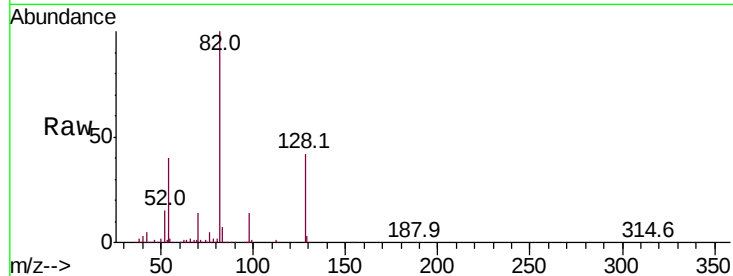




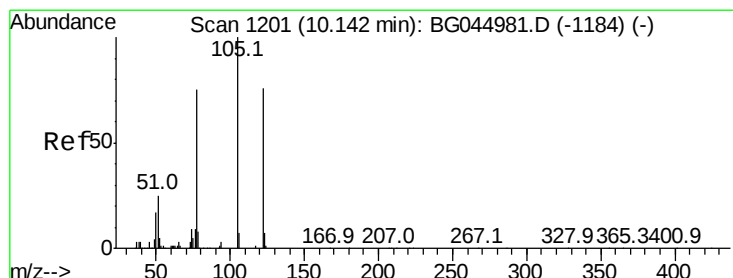
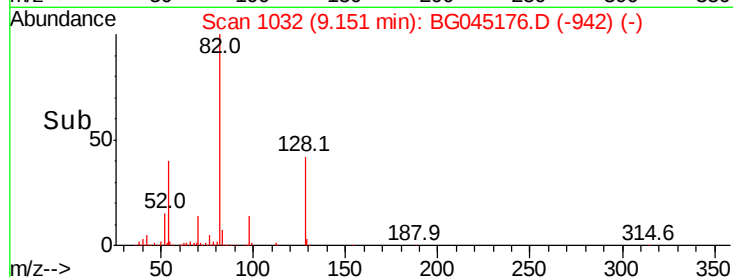
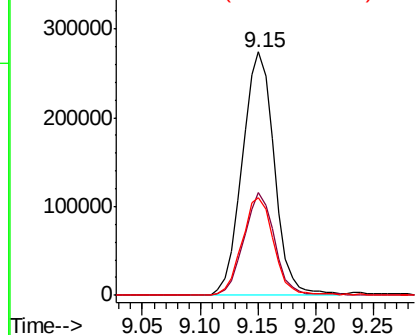
#23
 Nitrobenzene-d5
 Concen: 101.453 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Instrument :
 BNA_G
 ClientSampleId :
 SP1-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.0	49.4
54	39.9	30.4	45.6

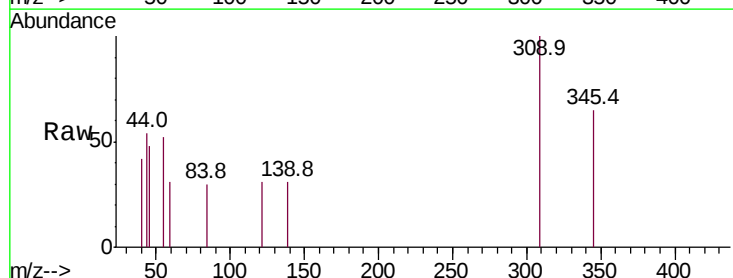


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

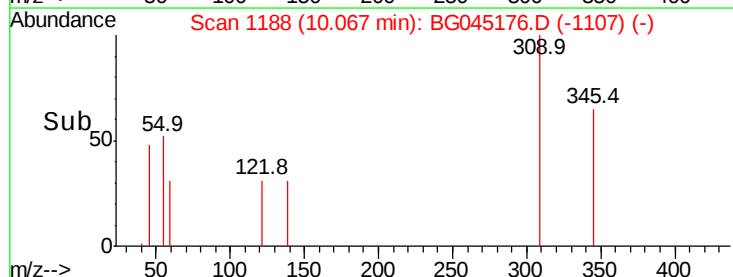
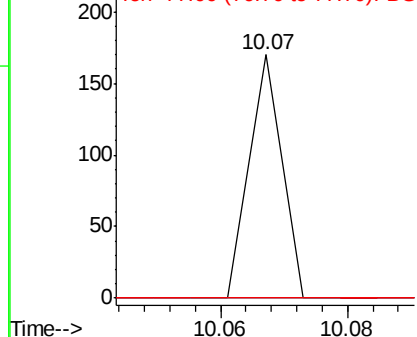


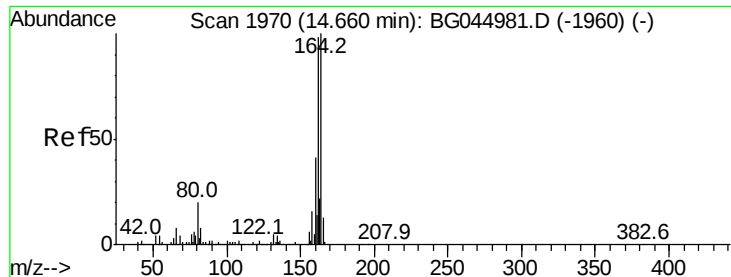
#32
 Benzoic acid
 Concen: 6.391 ng
 RT: 10.07 min Scan# 1188
 Delta R.T. -0.06 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

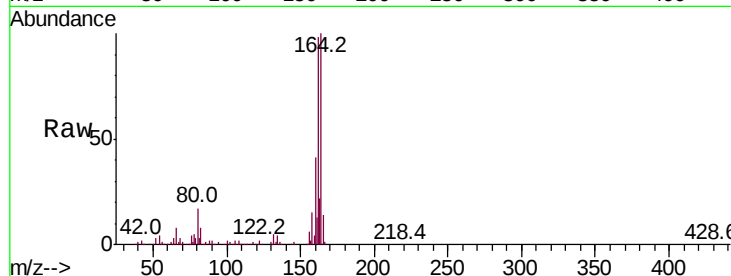
BNA_G

ClientSampleId :

SP1-A

Tot Ion:164 Resp: 189627

Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	40.8	32.8	49.2

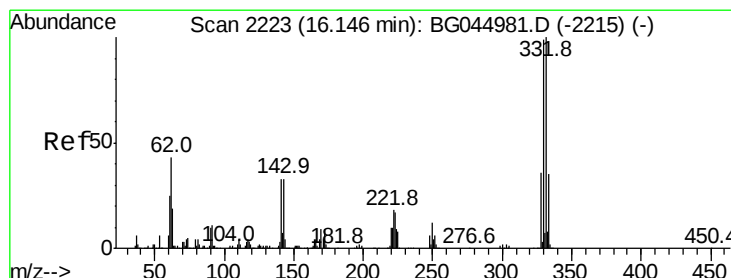
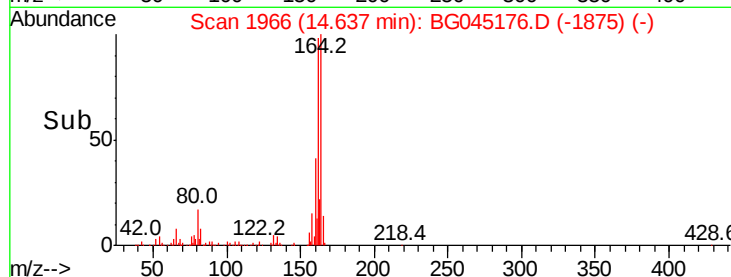
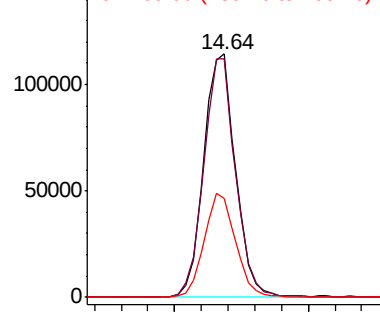


Abundance

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: 152.558 ng

RT: 16.12 min Scan# 2219

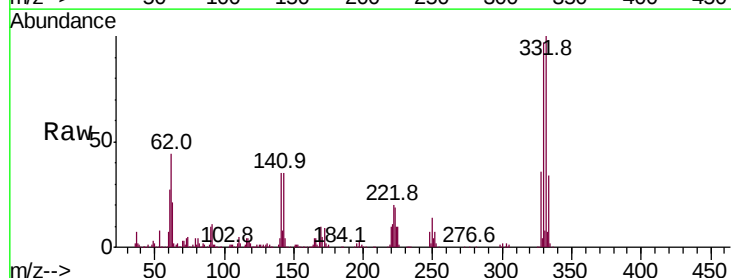
Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Tgt Ion:330 Resp: 446918

Ion	Ratio	Lower	Upper
330	100		
332	99.3	79.1	118.7
141	36.0	27.1	40.7

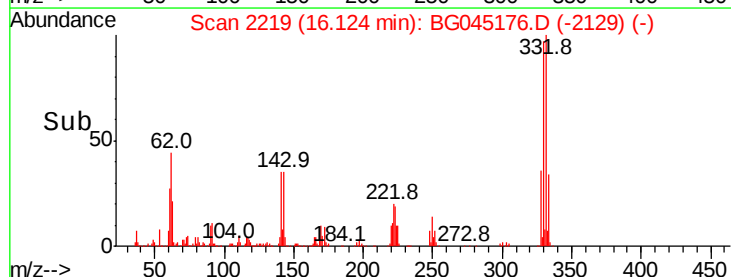
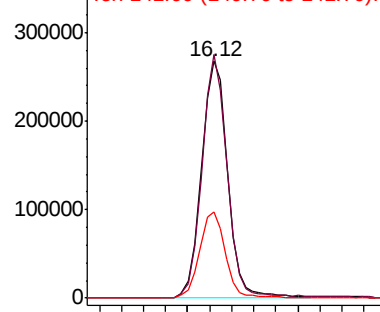


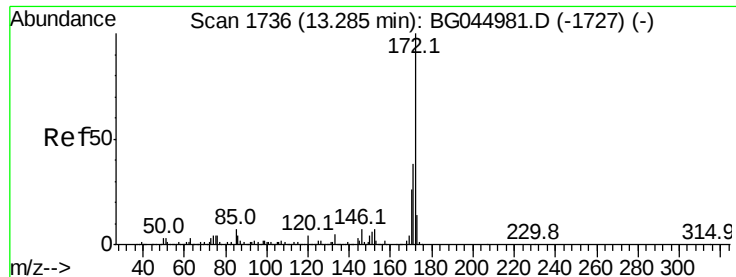
Abundance

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



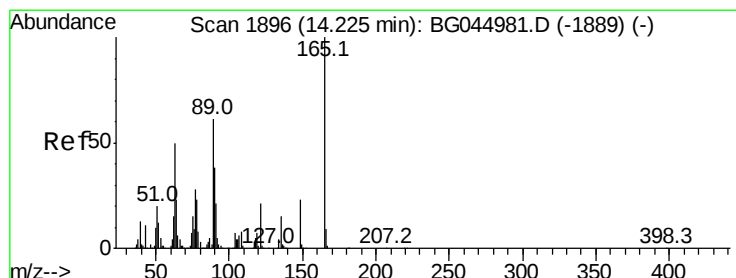
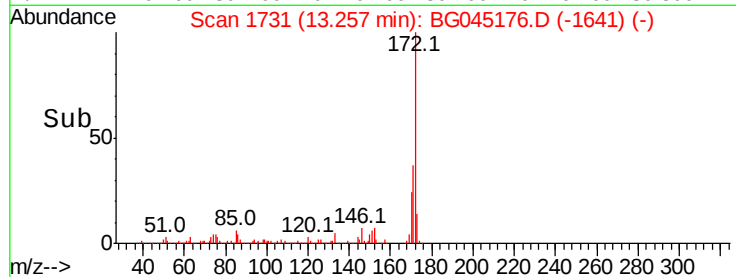
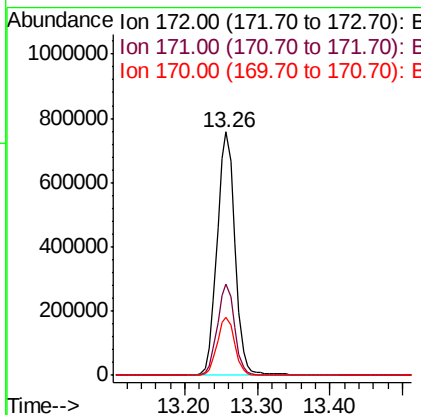
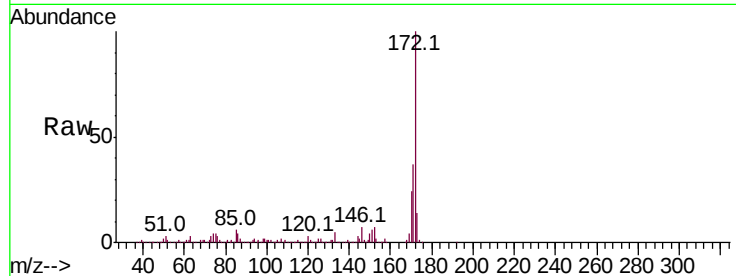


#45
 2-Fluorobiphenyl
 Concen: 100.861 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Instrument :
 BNA_G
 ClientSampleId :
 SP1-A

Tot Ion:172 Resp: 1304357

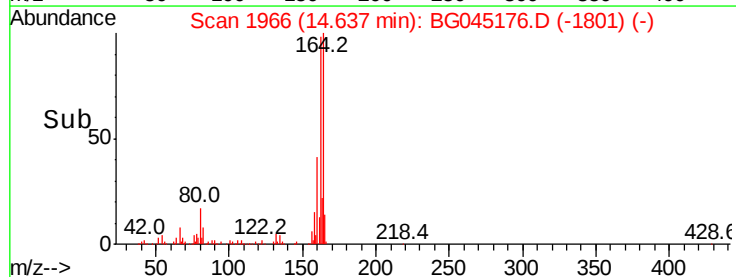
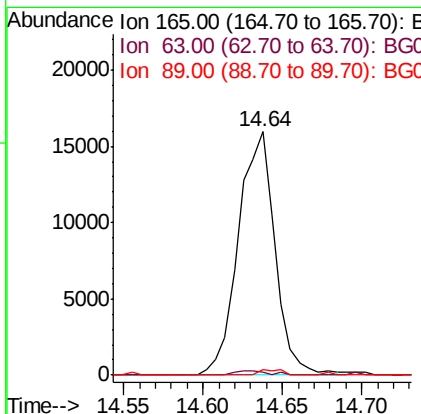
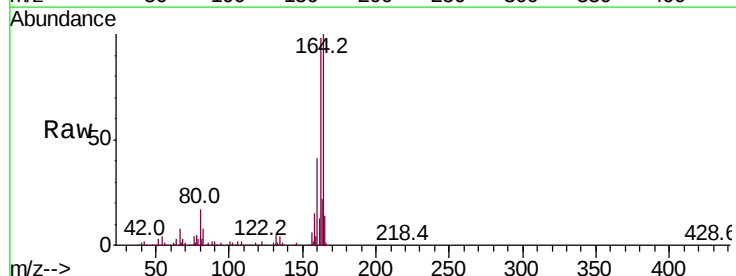
Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.6	46.0
170	23.9	20.5	30.7

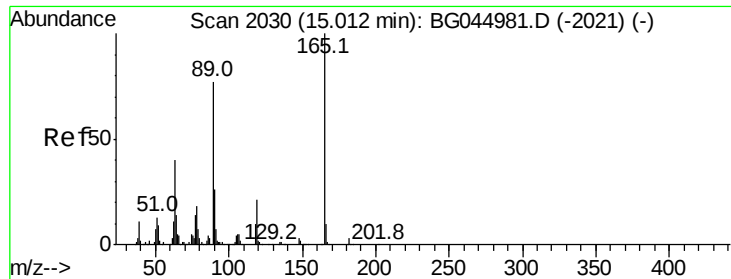


#51
 2,6-Dinitrotoluene
 Concen: 7.370 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. 0.44 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Tgt Ion:165 Resp: 25454

Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.4	60.6#
89	2.1	49.1	73.7#

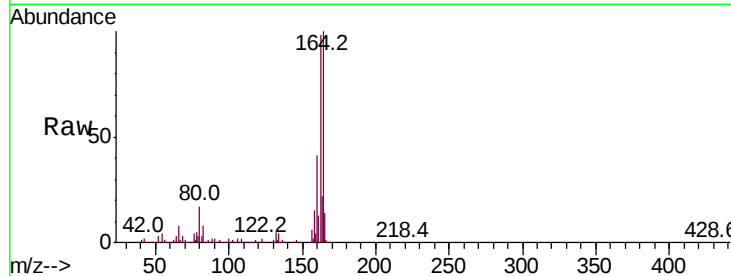




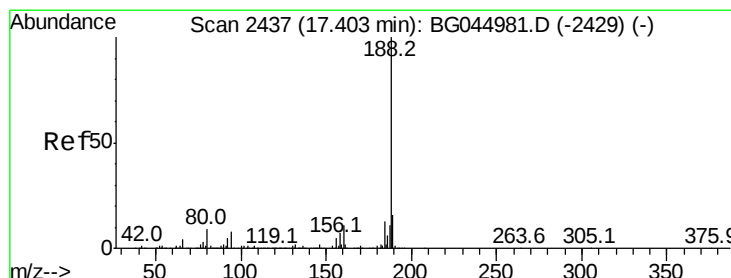
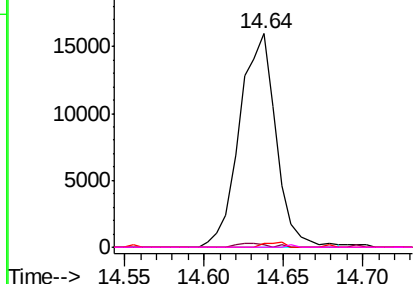
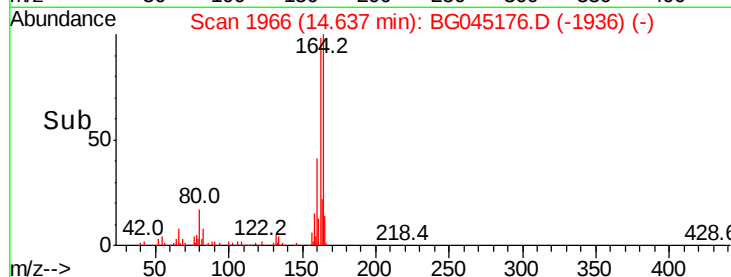
#57
 2,4-Dinitrotoluene
 Concen: 5.043 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.36 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Instrument :
 BNA_G
 ClientSampleId :
 SP1-A

Tot Ion:165 Resp: 25454
 Ion Ratio Lower Upper
 165 100
 63 1.0 32.2 48.2#
 89 2.1 61.7 92.5#
 182 0.0 2.0 3.0#

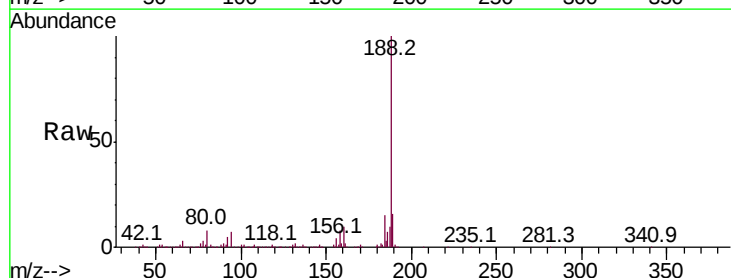


Abundance Ion 165.00 (164.70 to 165.70): E
 25000
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

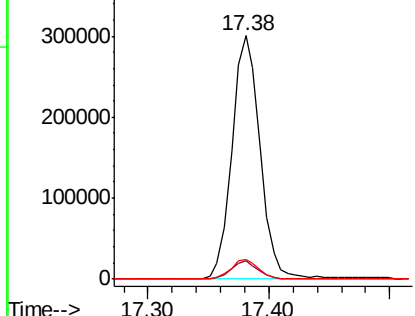
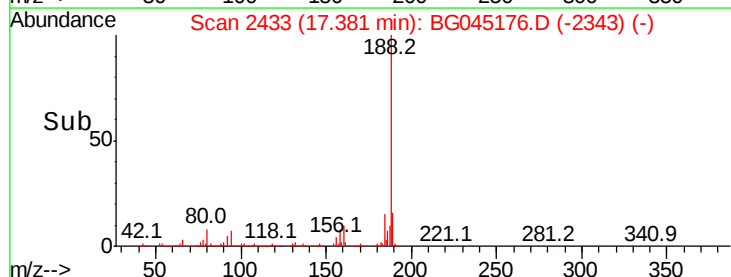


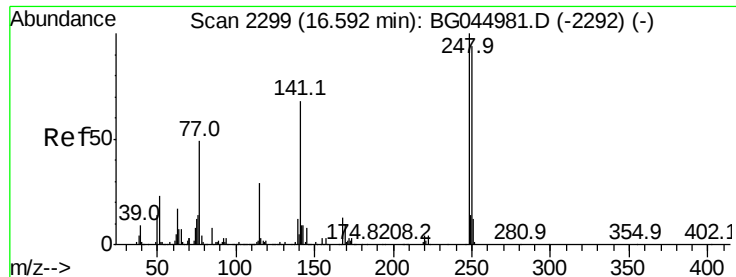
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.38 min Scan# 2433
 Delta R.T. -0.00 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Tgt Ion:188 Resp: 487764
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.2 9.4
 80 8.1 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E
 400000
 Ion 94.00 (93.70 to 94.70): BGC
 Ion 80.00 (79.70 to 80.70): BGC

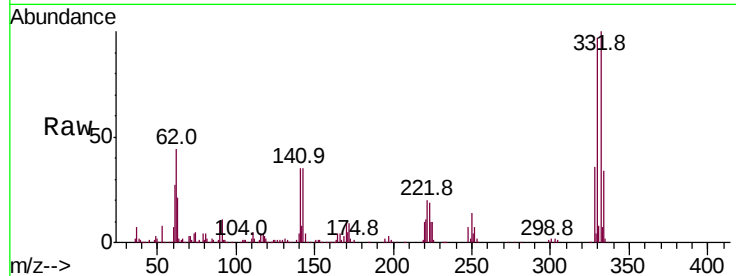




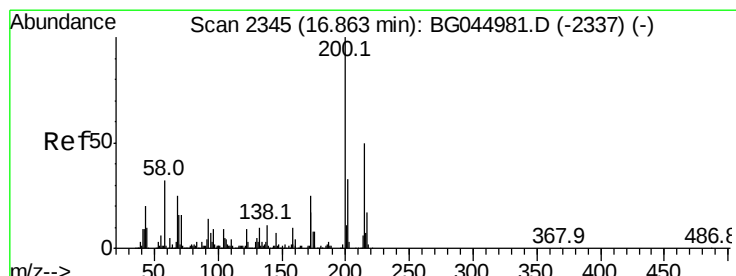
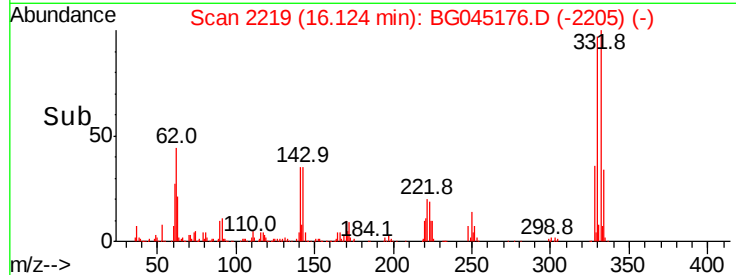
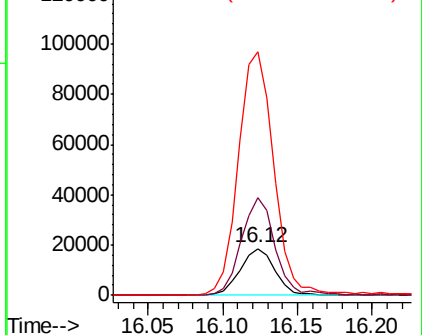
#67
 4-Bromophenyl-phenylether
 Concen: 4.726 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.45 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Instrument :
 BNA_G
 ClientSampleId :
 SP1-A

Tot Ion:248 Resp: 29740
 Ion Ratio Lower Upper
 248 100
 250 210.6 75.4 113.2#
 141 522.8 54.4 81.6#

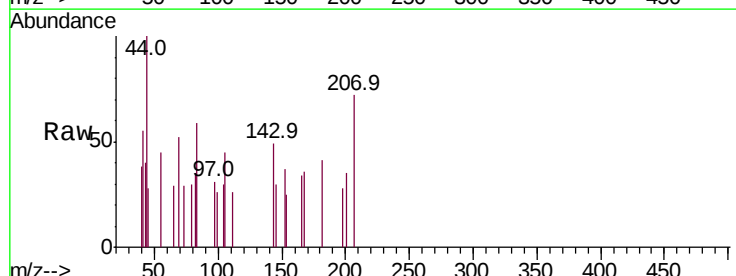


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

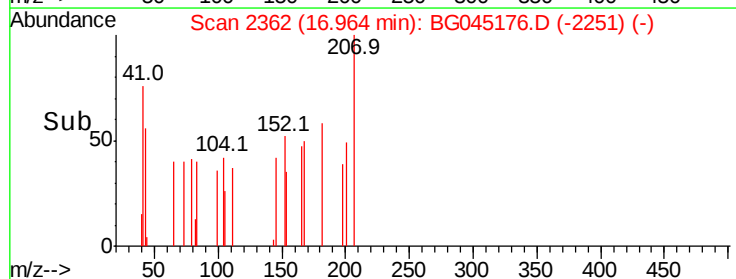
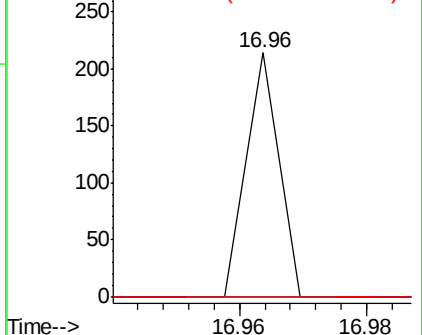


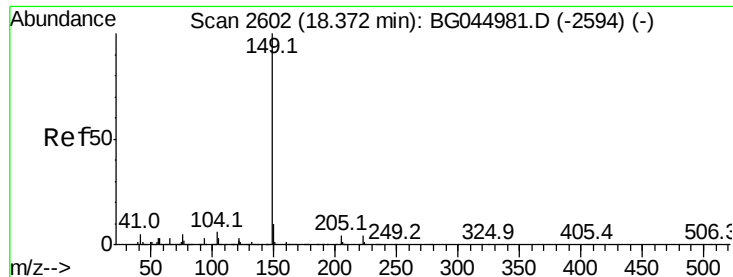
#69
 Atrazine
 Concen: Below Cal
 RT: 16.96 min Scan# 2362
 Delta R.T. 0.12 min
 Lab File: BG045176.D
 Acq: 27 Apr 2020 12:36

Tgt Ion:200 Resp: 75
 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: 18.35 min Scan# 2598

Delta R.T. 0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

BNA_G

ClientSampleId :

SP1-A

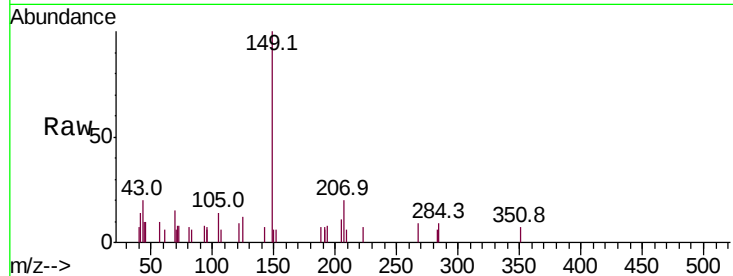
Tot Ion:149 Resp: 4200

Ion Ratio Lower Upper

149 100

150 5.6 8.2 12.2#

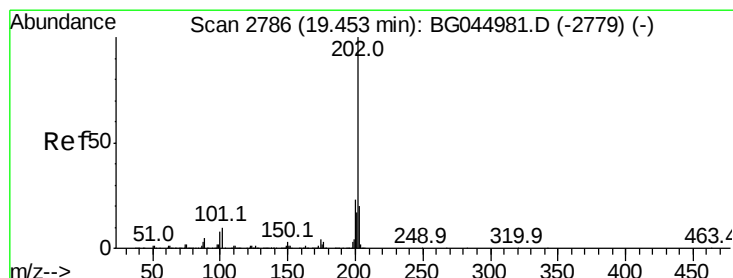
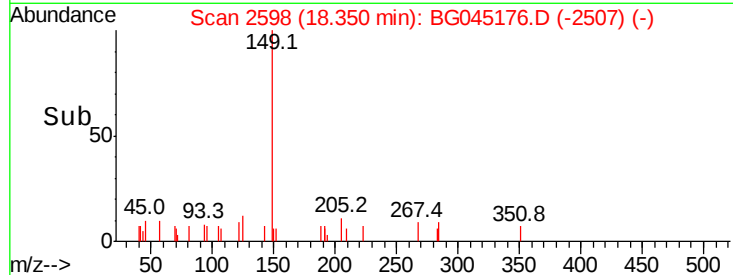
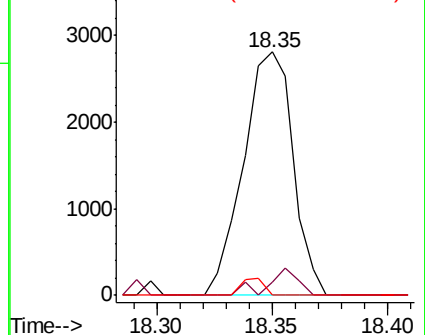
104 0.0 4.8 7.2#



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: BG045176.D

Acq: 27 Apr 2020 12:36

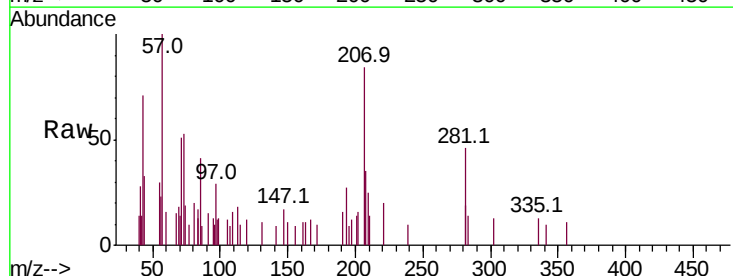
Tgt Ion:202 Resp: 214

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

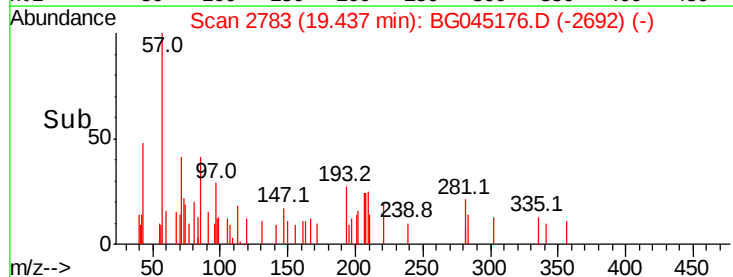
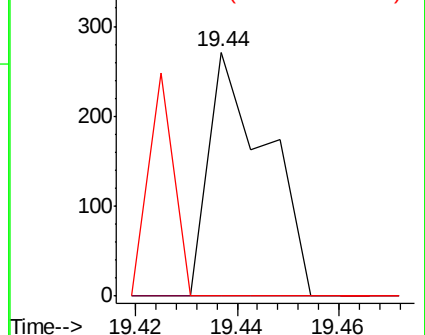
203 0.0 0.0 39.7

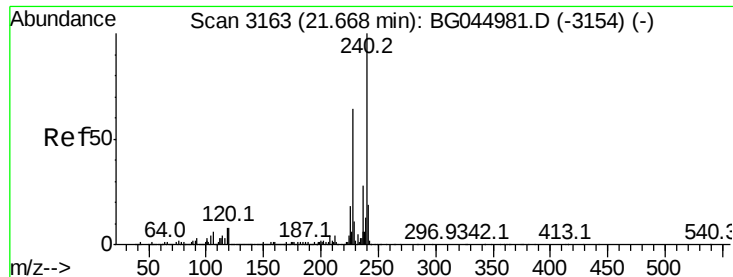


Abundance Ion 202.00 (201.70 to 202.70): E

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# 3159

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

BNA_G

ClientSampleId :

SP1-A

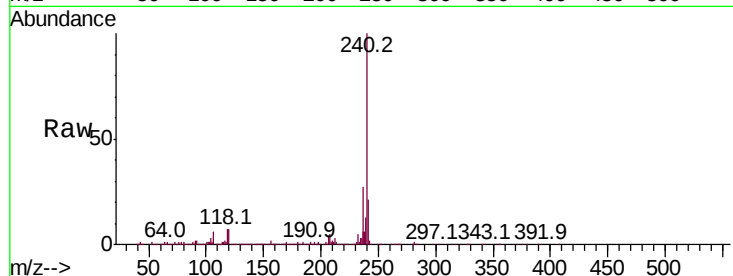
Tot Ion:240 Resp: 472089

Ion Ratio Lower Upper

240 100

120 7.1 6.6 10.0

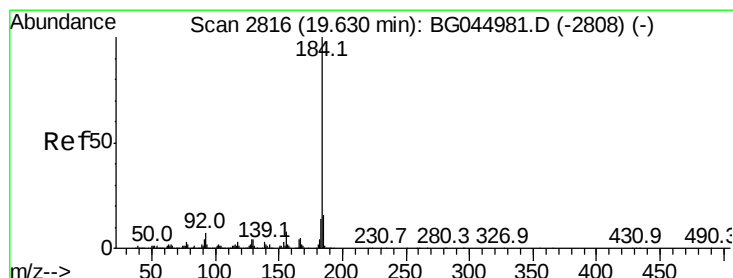
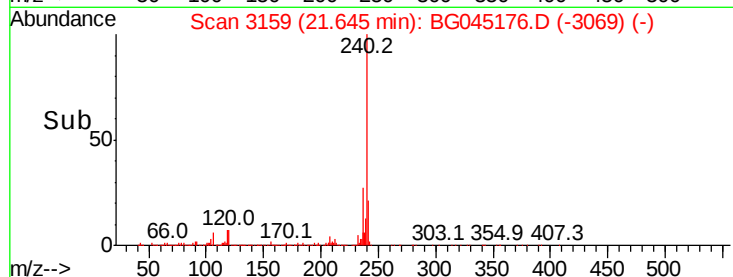
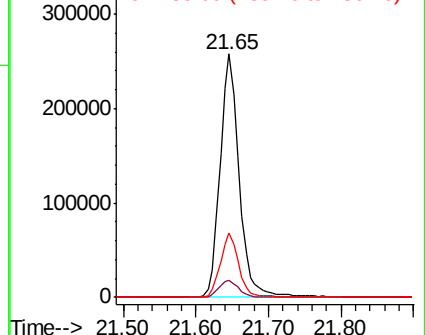
236 26.6 22.2 33.2



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: 19.99 min Scan# 2878

Delta R.T. 0.38 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

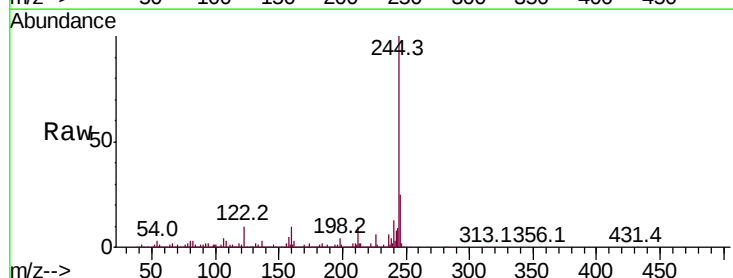
Tgt Ion:184 Resp: 48910

Ion Ratio Lower Upper

184 100

185 13.9 12.6 19.0

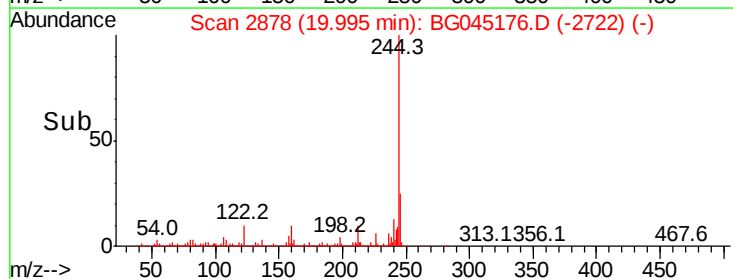
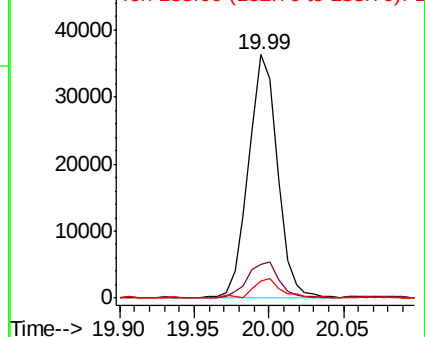
183 6.9 11.3 16.9#

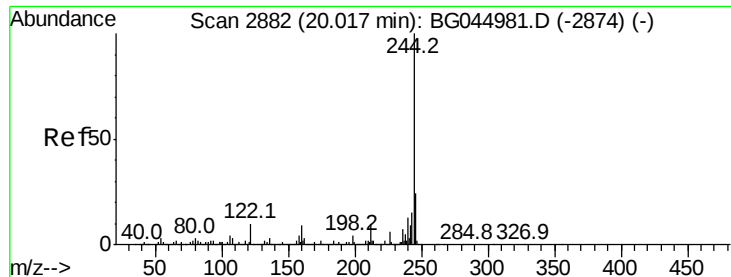


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 111.478 ng

RT: 19.99 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

Instrument :

BNA_G

ClientSampleId :

SP1-A

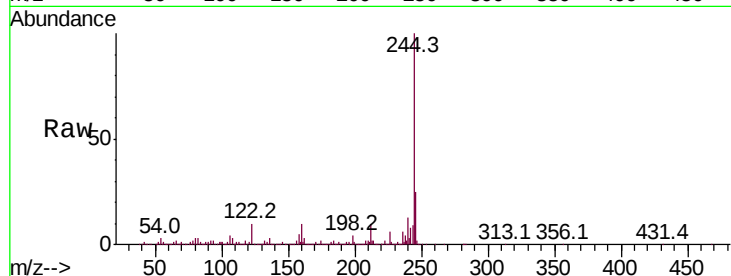
Tot Ion:244 Resp: 2414595

Ion Ratio Lower Upper

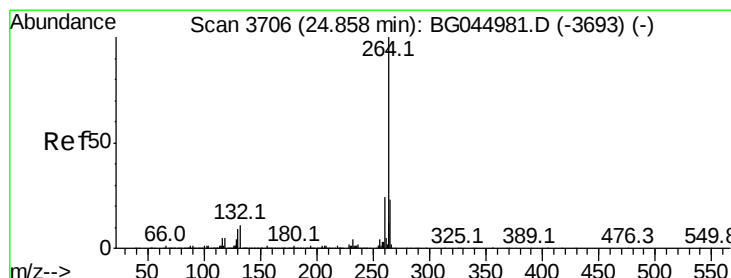
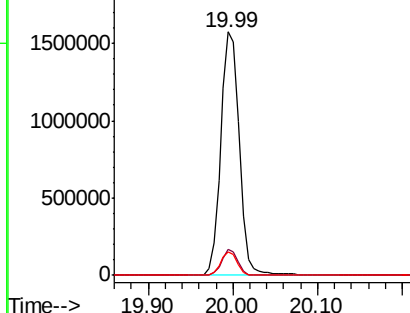
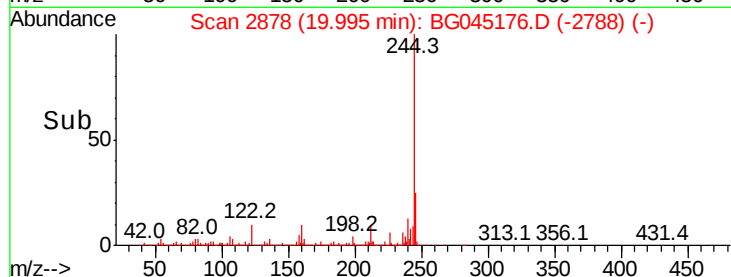
244 100

212 10.4 7.9 11.9

122 9.7 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# 3700

Delta R.T. -0.00 min

Lab File: BG045176.D

Acq: 27 Apr 2020 12:36

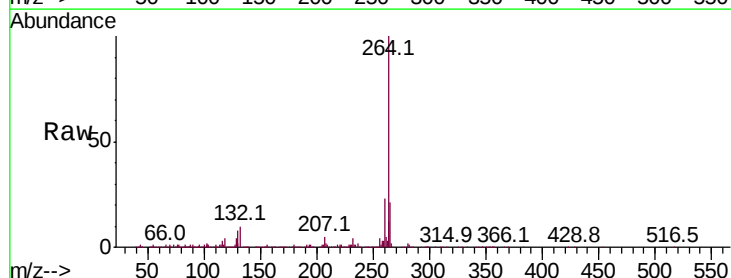
Tgt Ion:264 Resp: 492735

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 21.3 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

