

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042120\
 Data File : BG045119.D
 Acq On : 21 Apr 2020 19:57
 Operator : CG/JU
 Sample : L2332-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Apr 22 00:27:14 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	59110	20.00	ng	-0.01
21) Naphthalene-d8	10.82	136	250620	20.00	ng	-0.01
39) Acenaphthene-d10	14.65	164	189786	20.00	ng	-0.01
64) Phenanthrene-d10	17.40	188	471493	20.00	ng	-0.01
76) Chrysene-d12	21.66	240	450852	20.00	ng	-0.02
87) Perylene-d12	24.85	264	488772	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	500725	139.85	ng	0.00
7) Phenol-d6	7.18	99	674430	126.78	ng	-0.02
23) Nitrobenzene-d5	9.17	82	583558	106.24	ng	-0.01
42) 2,4,6-Tribromophenol	16.14	330	492235	167.89	ng	-0.01
45) 2-Fluorobiphenyl	13.27	172	1417942	109.55	ng	-0.01
79) Terphenyl-d14	20.01	244	2400581	116.05	ng	-0.01

Target Compounds

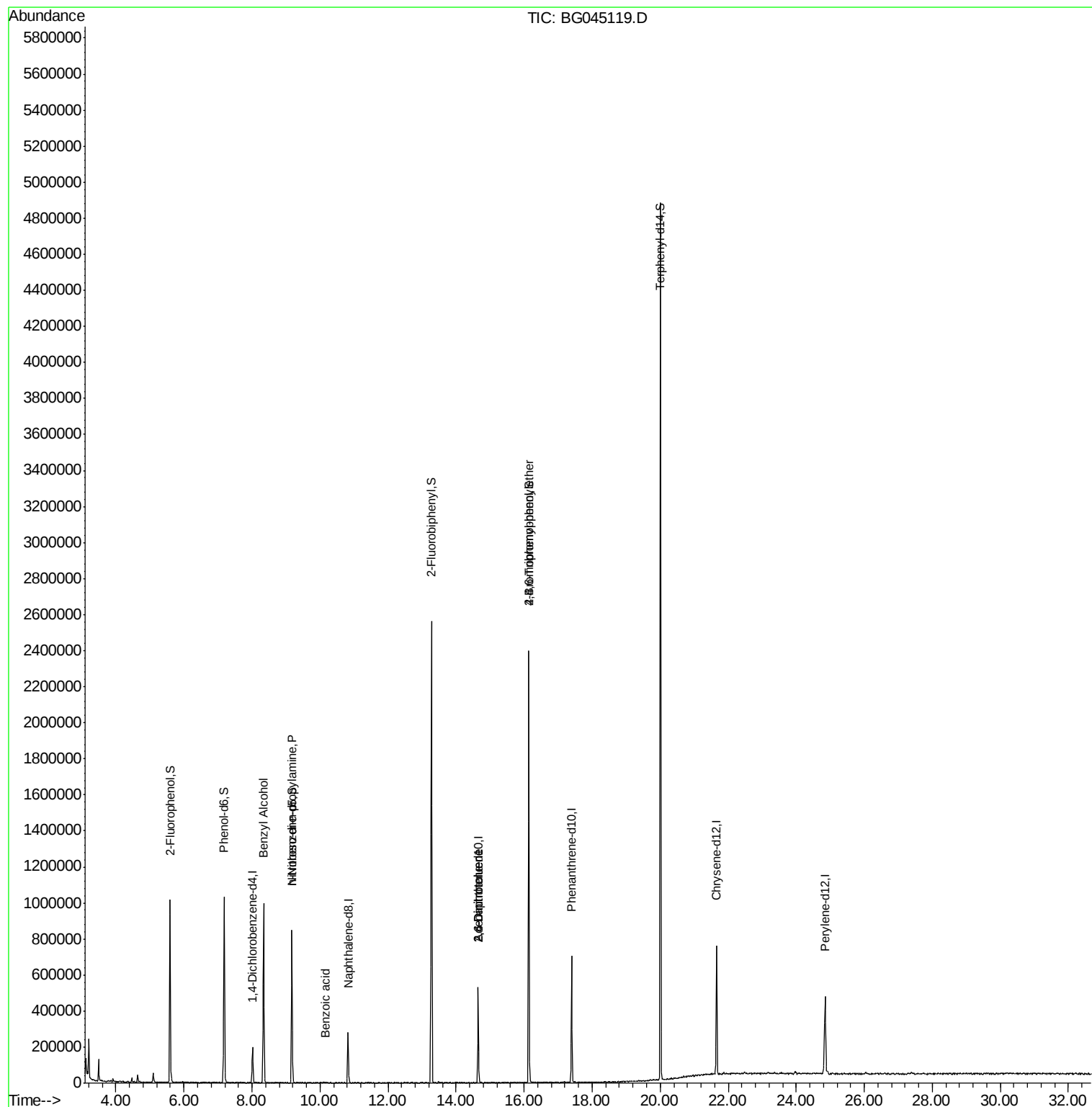
						Qvalue
9) Benzaldehyde	7.18	77	1174	Below Cal	#	4
15) Benzyl Alcohol	8.35	79	9174	2.057 ng	#	41
19) n-Nitroso-di-n-propylamine	9.17	70	81820	21.749 ng	#	81
32) Benzoic acid	10.16	122	175	6.423 ng	#	69
51) 2,6-Dinitrotoluene	14.65	165	25931	7.502 ng	#	27
57) 2,4-Dinitrotoluene	14.65	165	25931	5.134 ng	#	25
67) 4-Bromophenyl-phenylether	16.14	248	32555	5.352 ng	#	1
69) Atrazine	17.03	200	53	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	4548	Below Cal	#	76
75) Fluoranthene	19.53	202	60	Below Cal	#	62
77) Benzydine	20.01	184	48391	Below Cal	#	91

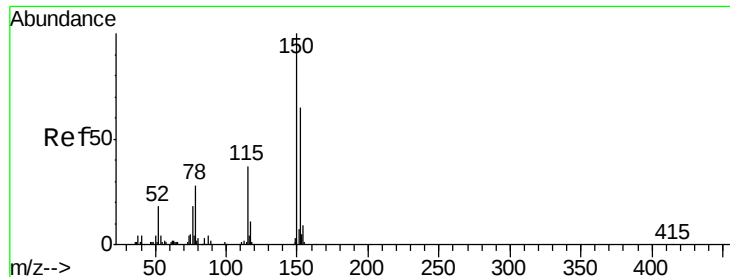
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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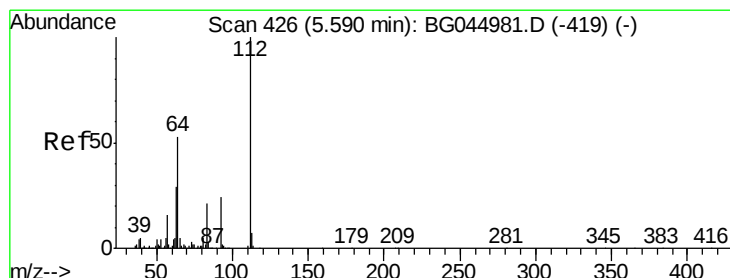
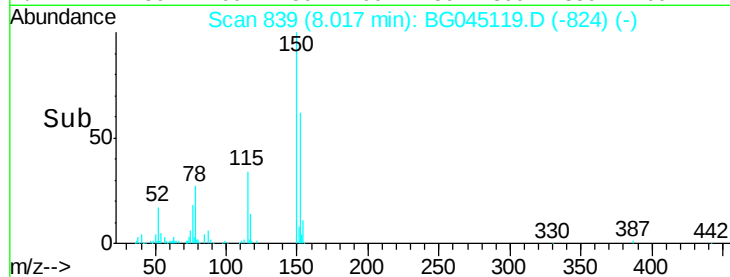
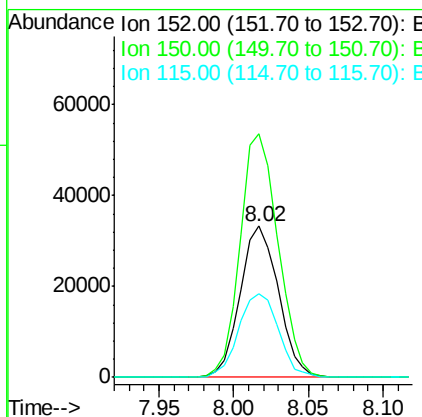
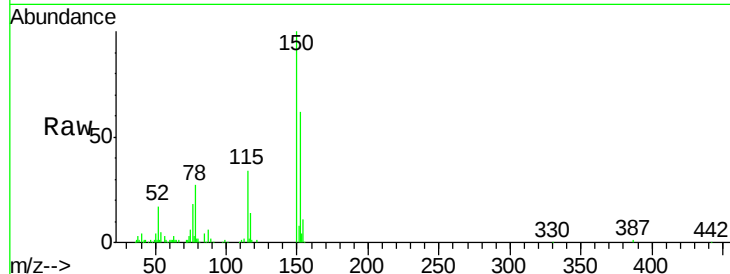




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

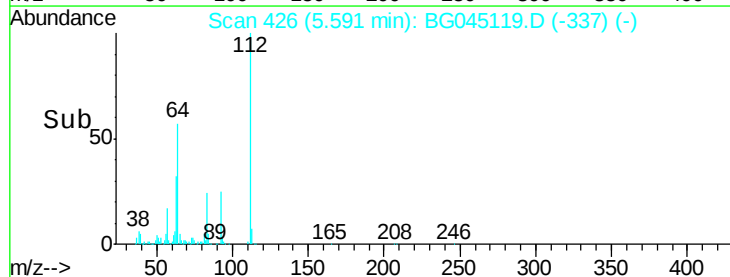
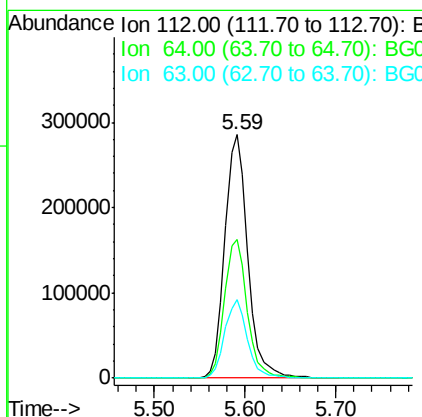
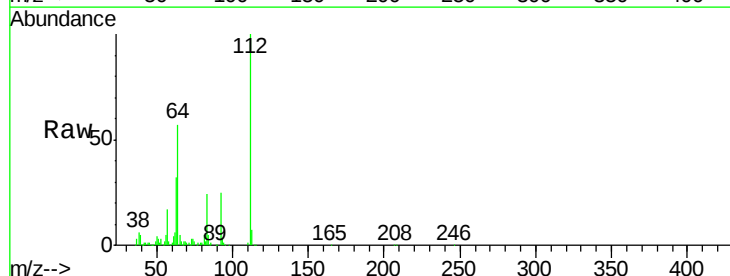
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tot Ion:	152	Resp:	59110
Ion	Ratio	Lower	Upper
152	100		
150	161.0	123.6	185.4
115	55.1	49.1	73.7



#5
 2-Fluorophenol
 Concen: 139.853 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.01 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

Tgt Ion:	112	Resp:	500725
Ion	Ratio	Lower	Upper
112	100		
64	57.0	42.4	63.6
63	32.2	23.1	34.7





#7

Phenol-d6

Concen: 126.784 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

Instrument :

BNA_G

ClientSampleId :

TP-4

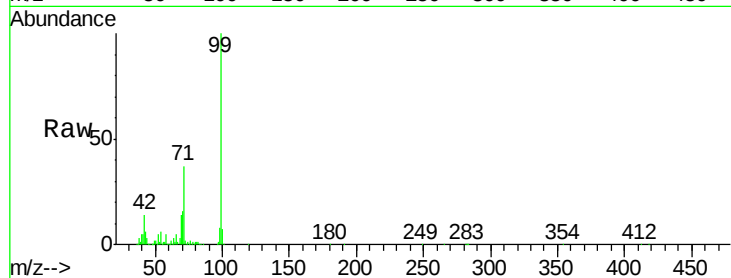
Tot Ion: 99 Resp: 674430

Ion Ratio Lower Upper

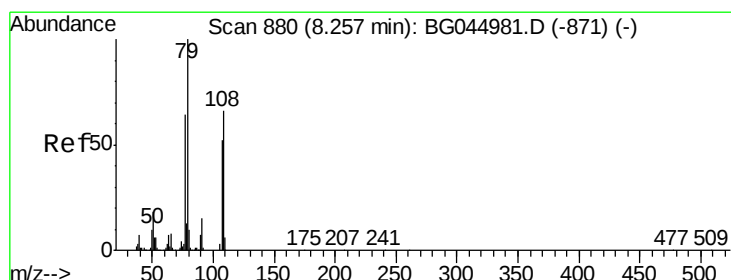
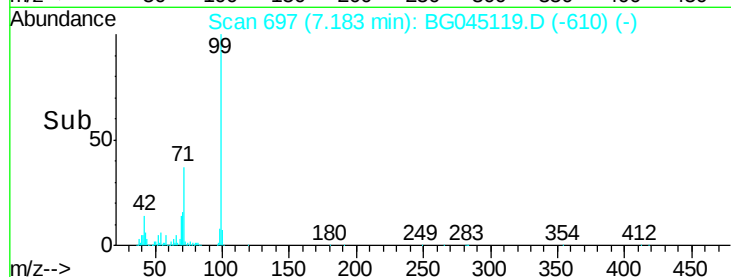
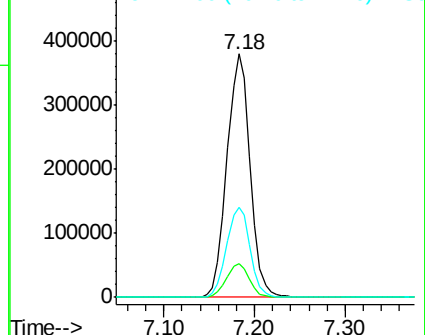
99 100

42 14.1 11.3 16.9

71 37.1 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: 2.057 ng

RT: 8.35 min Scan# 895

Delta R.T. 0.08 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

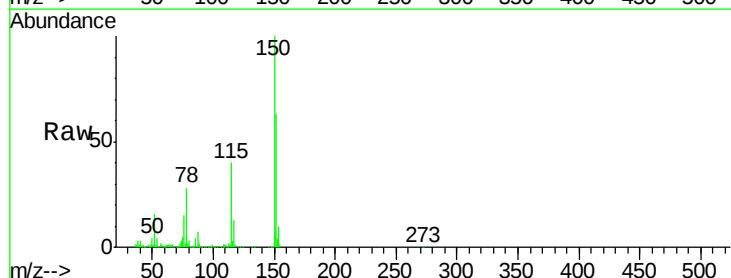
Tgt Ion: 79 Resp: 9174

Ion Ratio Lower Upper

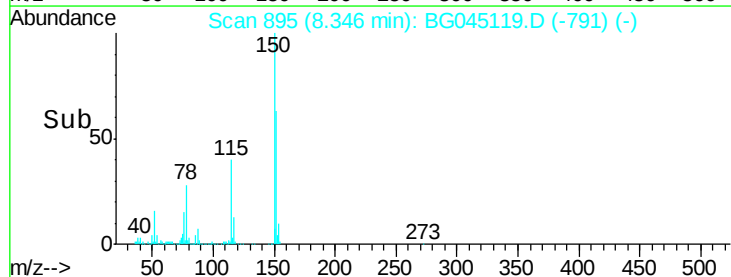
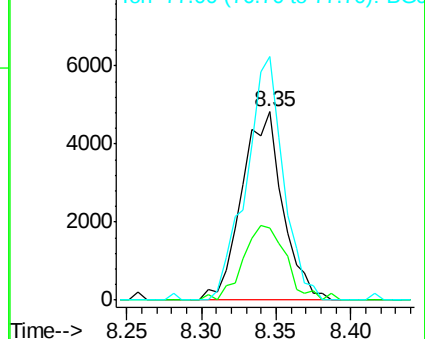
79 100

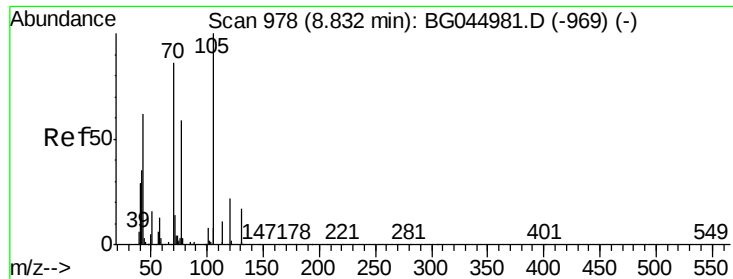
108 38.6 52.7 79.1#

77 129.4 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: 21.749 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

Instrument :

BNA_G

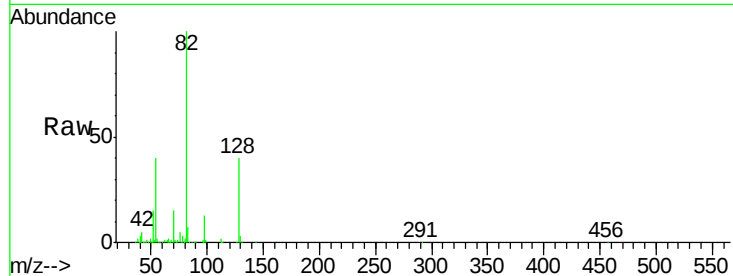
ClientSampleId :

TP-4

Tot Ion: 70 Resp: 81820

Ion Ratio Lower Upper

70	100		
42	36.1	33.3	49.9
101	0.0	7.8	11.8#
130	2.3	15.8	23.6#

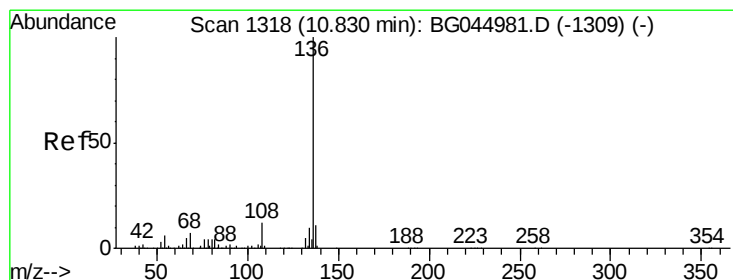
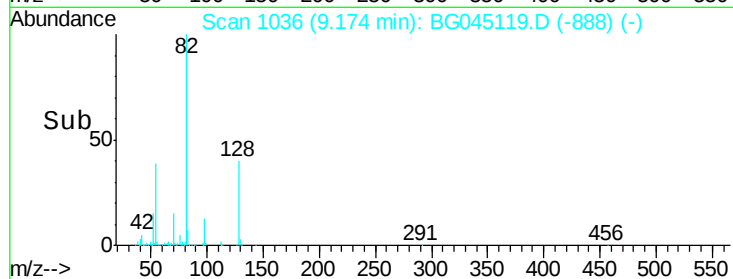
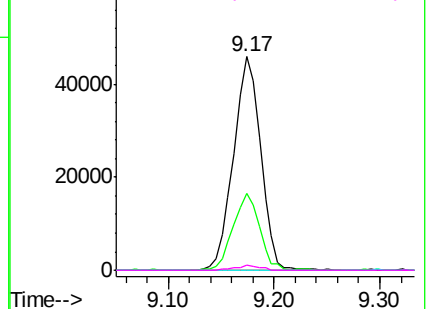


Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.82 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

Tgt Ion: 136 Resp: 250620

Ion Ratio Lower Upper

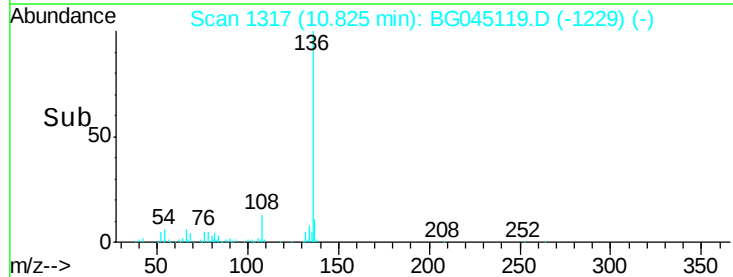
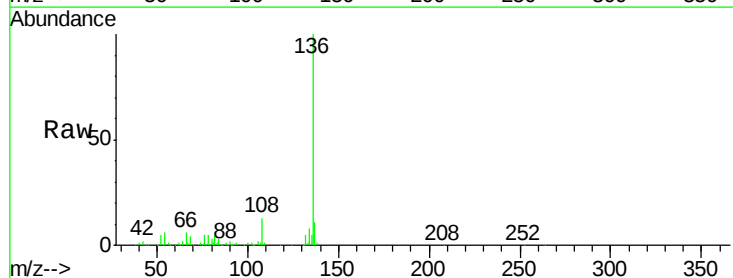
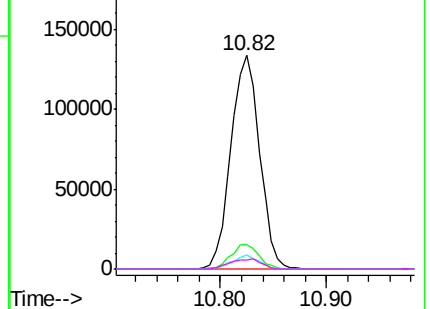
136	100		
137	11.3	8.6	13.0
54	6.4	4.8	7.2
68	4.2	5.2	7.8#

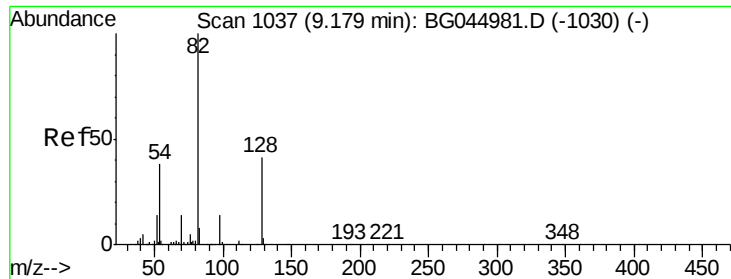
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

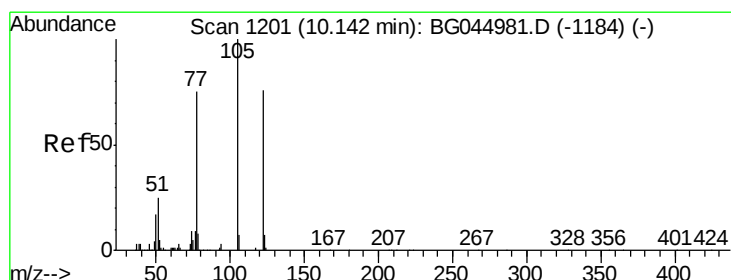
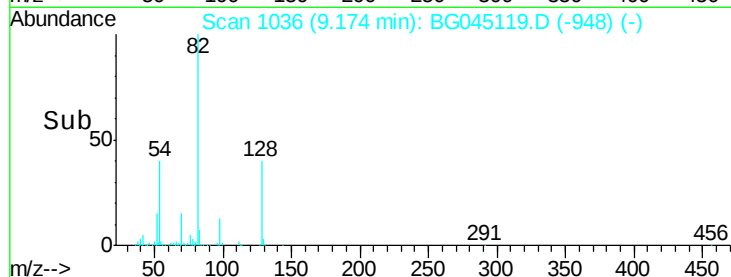
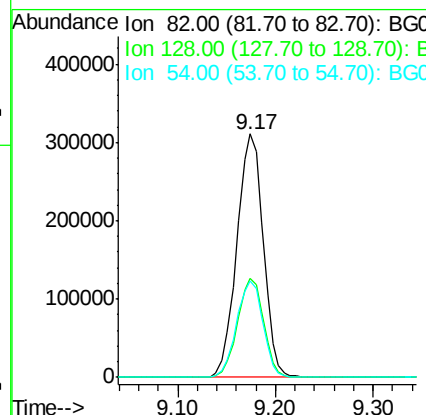
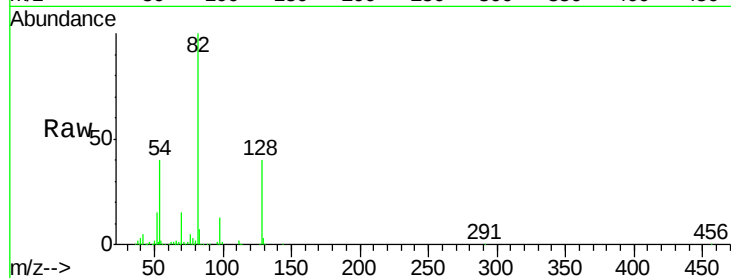




#23
 Nitrobenzene-d5
 Concen: 106.245 ng
 RT: 9.17 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

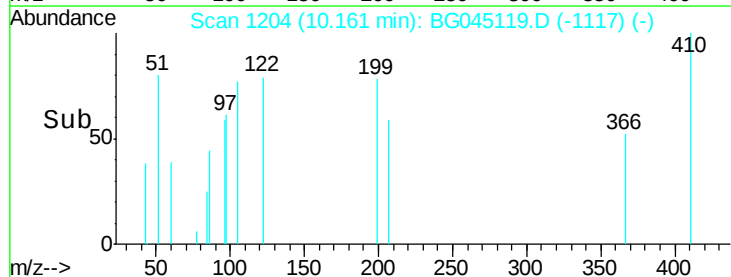
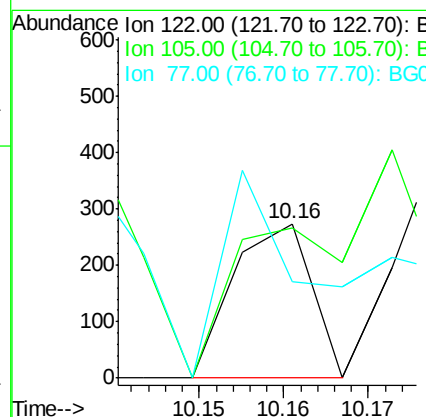
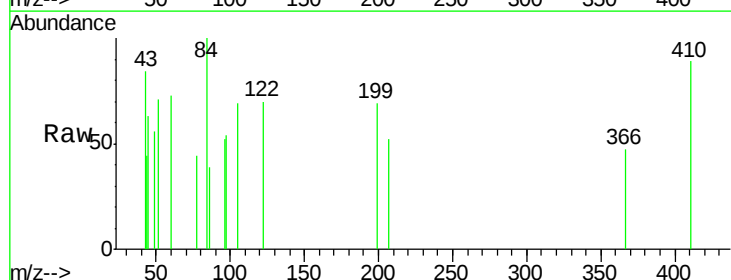
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

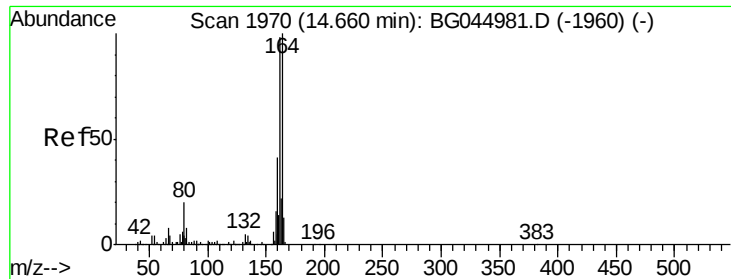
Tot Ion	82	Resp	583558
Ion Ratio	Lower	Upper	
82	100		
128	40.4	33.0	49.4
54	39.5	30.4	45.6



#32
 Benzoic acid
 Concen: 6.423 ng
 RT: 10.16 min Scan# 1204
 Delta R.T. -0.02 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

Tgt Ion	122	Resp	175
Ion Ratio	Lower	Upper	
122	100		
105	97.4	108.4	148.4#
77	62.0	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: BG045119.D

Acq: 21 Apr 2020 19:57

Instrument :

BNA_G

ClientSampleId :

TP-4

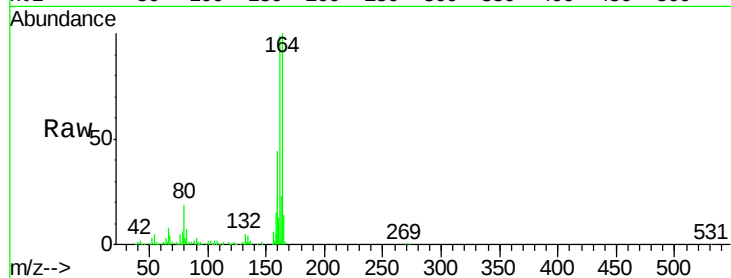
Tot Ion:164 Resp: 189786

Ion Ratio Lower Upper

164 100

162 99.1 78.7 118.1

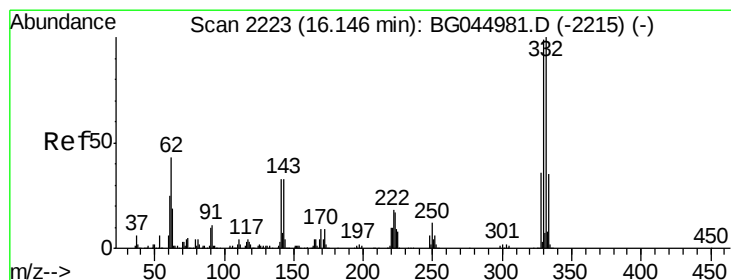
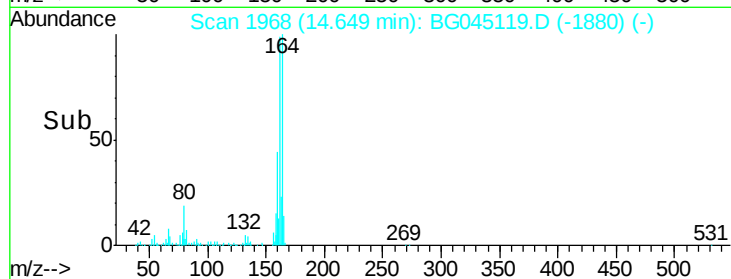
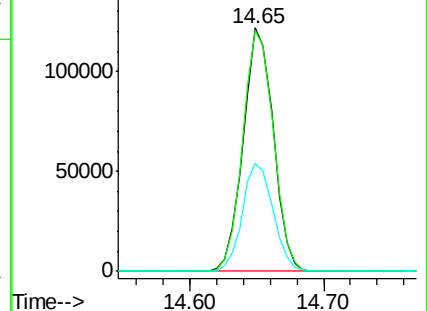
160 44.2 32.8 49.2



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: 167.887 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.01 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

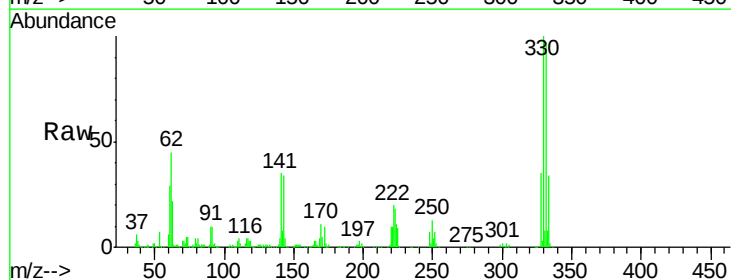
Tgt Ion:330 Resp: 492235

Ion Ratio Lower Upper

330 100

332 97.2 79.1 118.7

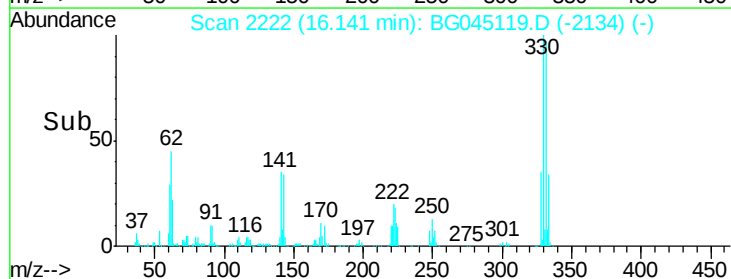
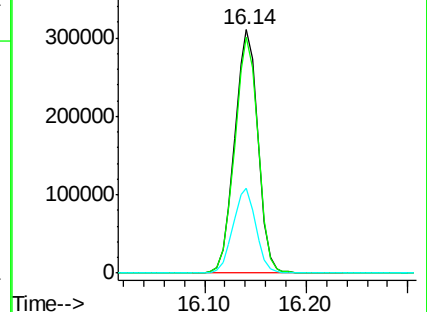
141 34.4 27.1 40.7

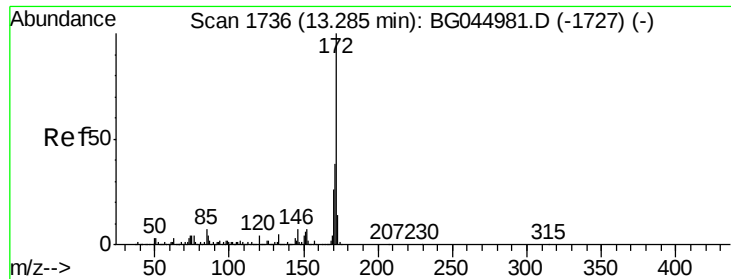


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 109.553 ng

RT: 13.27 min Scan# 1734

Delta R.T. -0.01 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

Instrument :

BNA_G

ClientSampleId :

TP-4

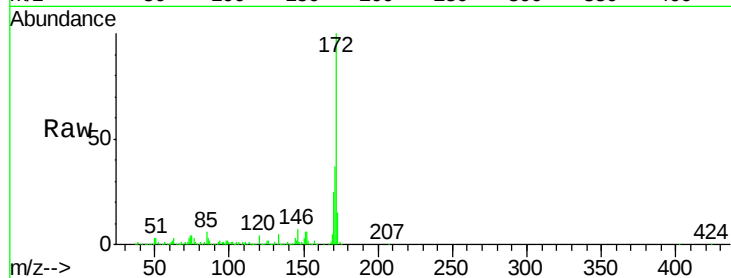
Tot Ion:172 Resp: 1417942

Ion Ratio Lower Upper

172 100

171 36.9 30.6 46.0

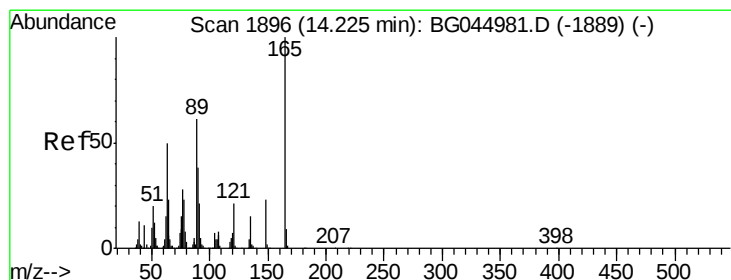
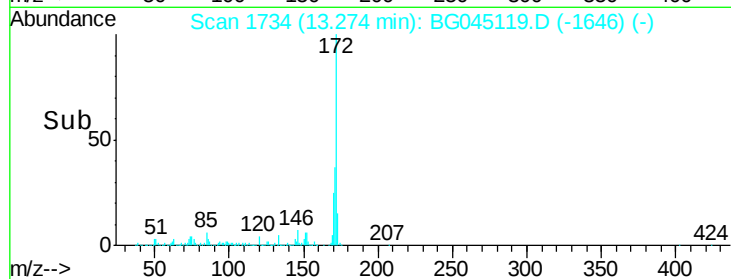
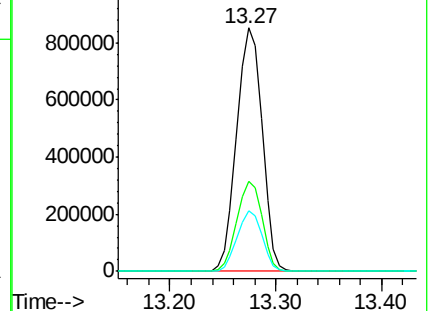
170 24.7 20.5 30.7



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

2,6-Dinitrotoluene

Concen: 7.502 ng

RT: 14.65 min Scan# 1968

Delta R.T. 0.42 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

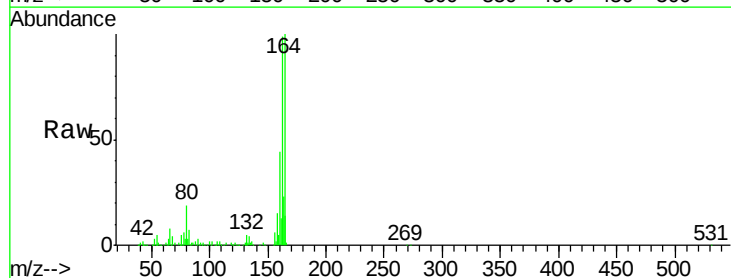
Tgt Ion:165 Resp: 25931

Ion Ratio Lower Upper

165 100

63 2.6 40.4 60.6#

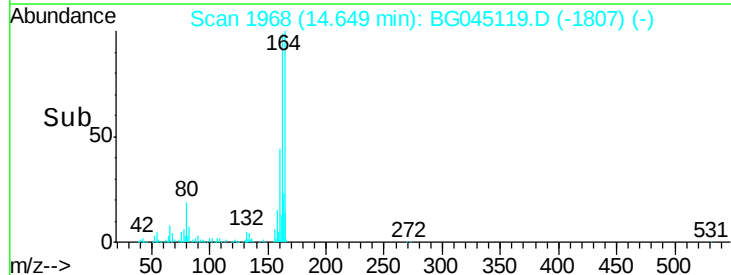
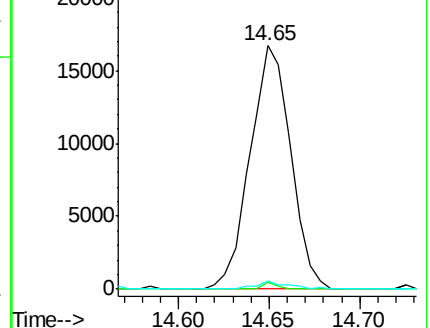
89 3.5 49.1 73.7#

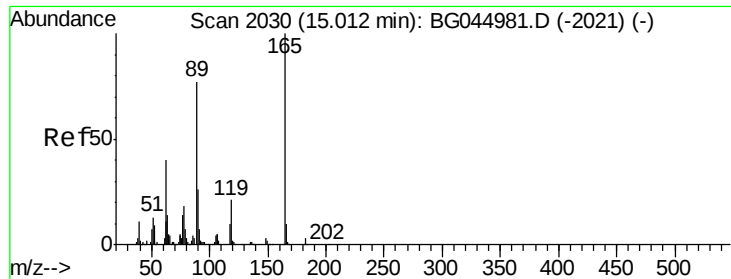


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

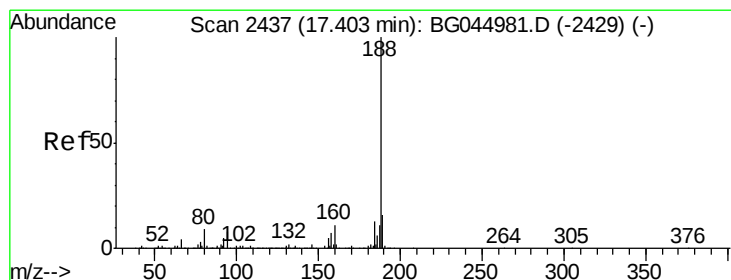
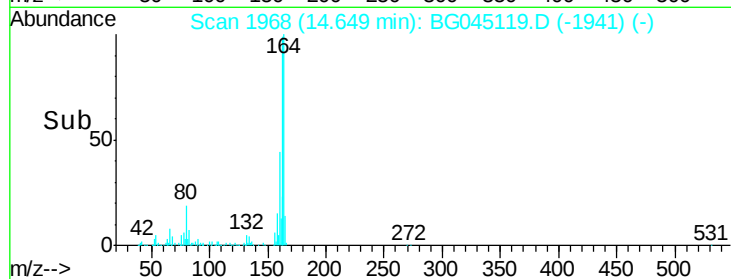
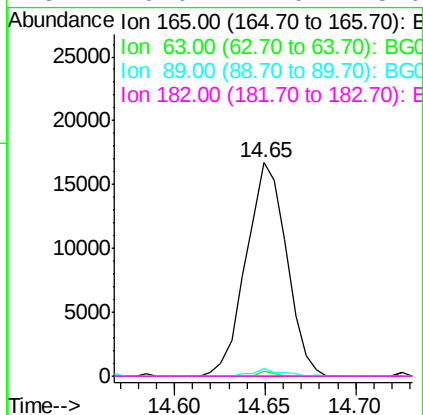
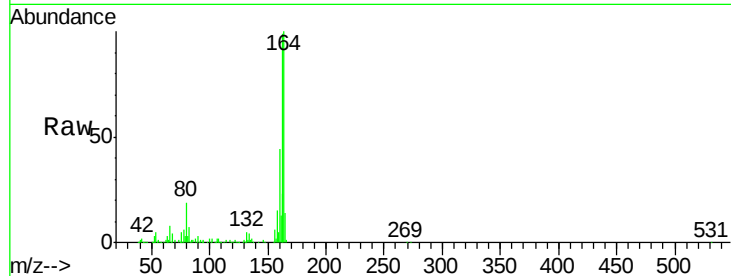




#57
 2,4-Dinitrotoluene
 Concen: 5.134 ng
 RT: 14.65 min Scan# 1968
 Delta R.T. -0.37 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

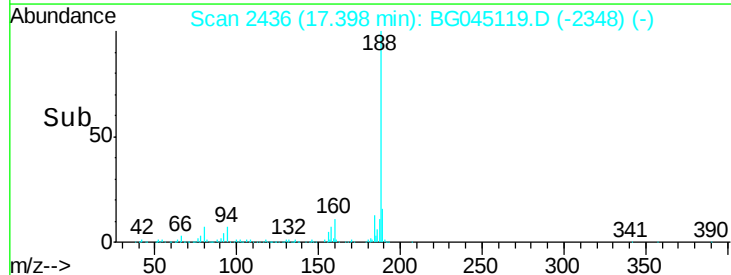
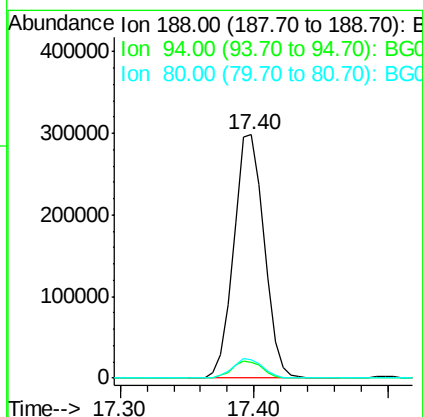
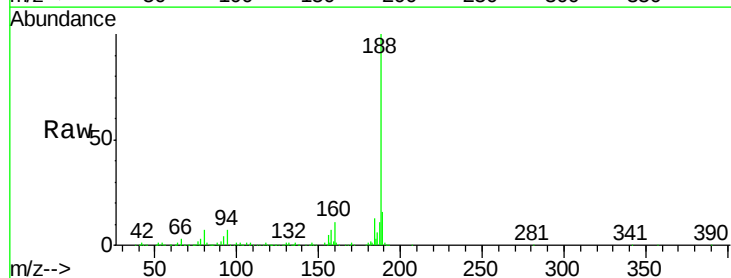
Instrument :
 BNA_G
 ClientSampled :
 TP-4

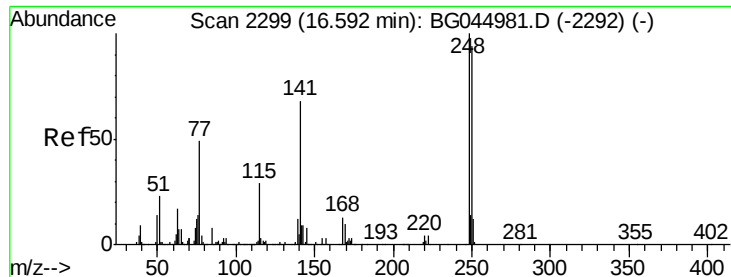
Tot Ion:165 Resp: 25931
 Ion Ratio Lower Upper
 165 100
 63 2.6 32.2 48.2#
 89 3.5 61.7 92.5#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.40 min Scan# 2436
 Delta R.T. -0.01 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

Tgt Ion:188 Resp: 471493
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.2 9.4
 80 7.3 7.0 10.6

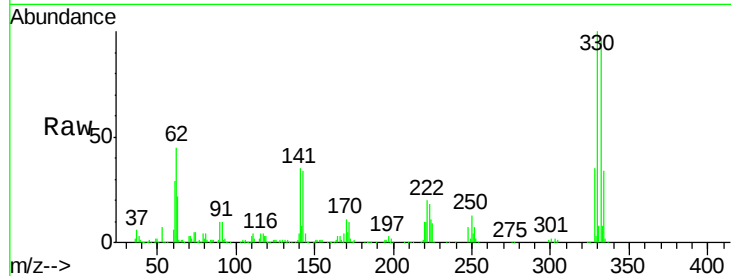




#67
4-Bromophenyl-phenylether
Concen: 5.352 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.46 min
Lab File: BG045119.D
Acq: 21 Apr 2020 19:57

Instrument :
BNA_G
ClientSampleId :
TP-4

Tot Ion	Ratio	Lower	Upper
248	100		
250	182.4	75.4	113.2#
141	488.2	54.4	81.6#

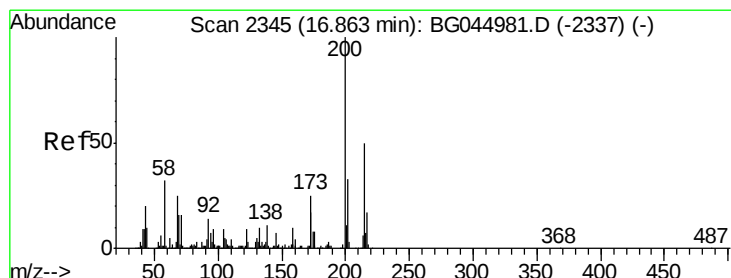
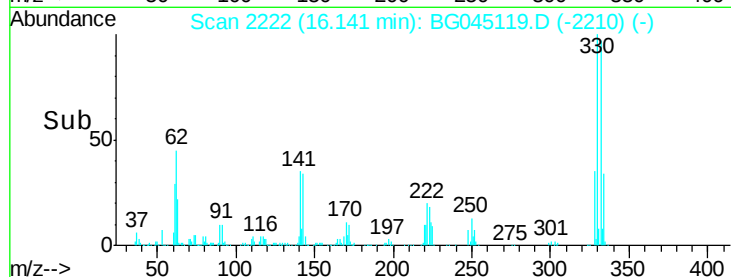
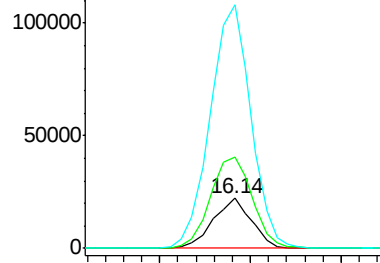


Abundance

Ion 248.00 (247.70 to 248.70): E

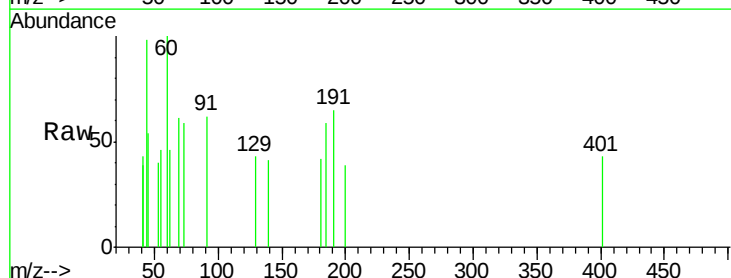
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#69
Atrazine
Concen: Below Cal
RT: 17.03 min Scan# 2373
Delta R.T. 0.16 min
Lab File: BG045119.D
Acq: 21 Apr 2020 19:57

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

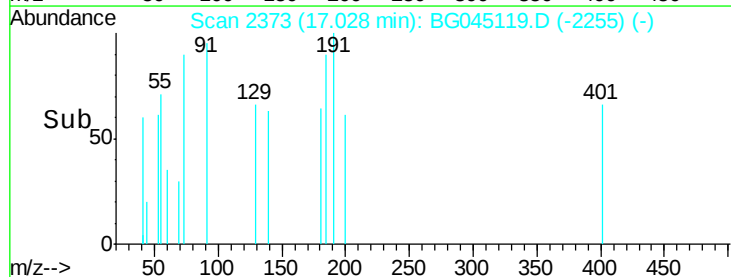
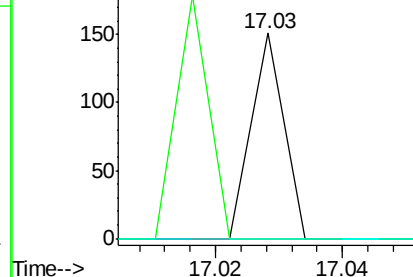


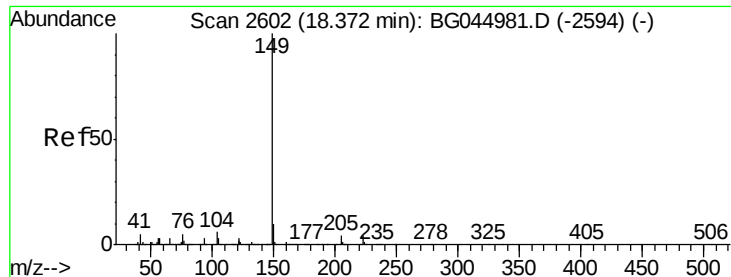
Abundance

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. -0.02 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

Instrument :

BNA_G

ClientSampleId :

TP-4

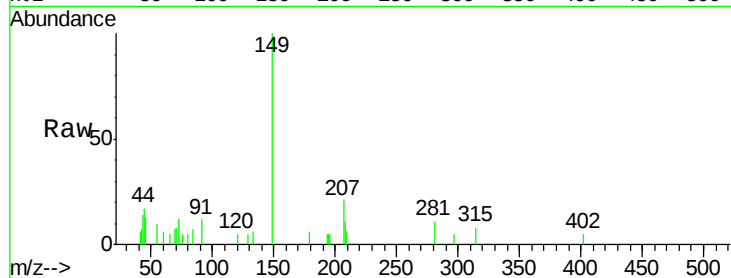
Tot Ion:149 Resp: 4548

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

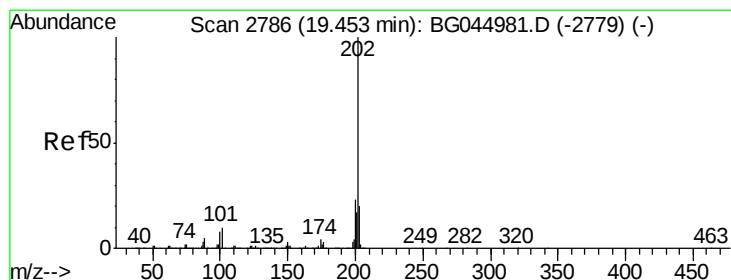
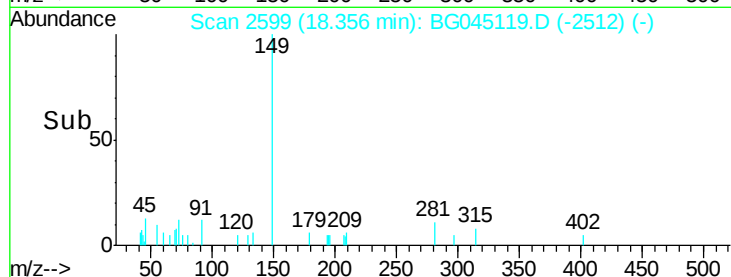
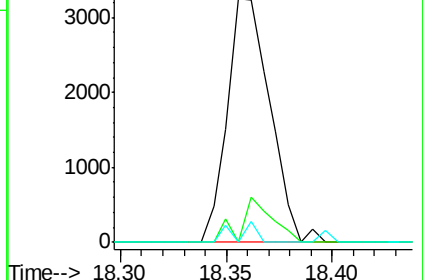
104 0.0 4.8 7.2#



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: 19.53 min Scan# 2799

Delta R.T. 0.08 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

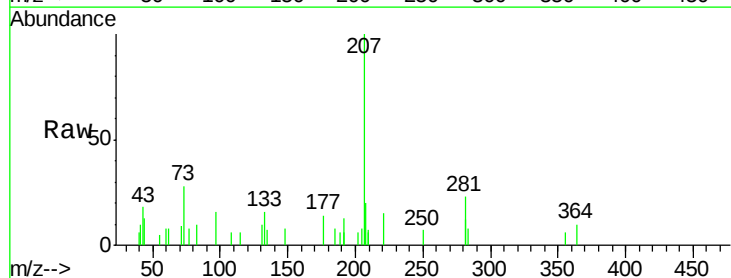
Tgt Ion:202 Resp: 60

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

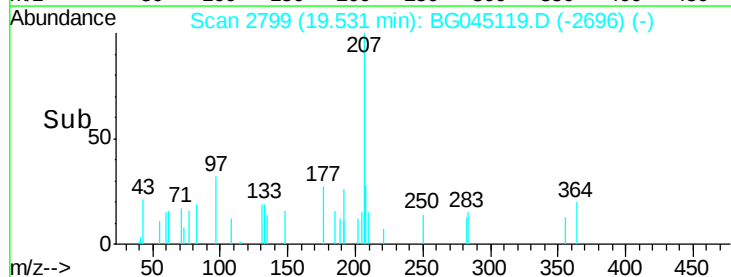
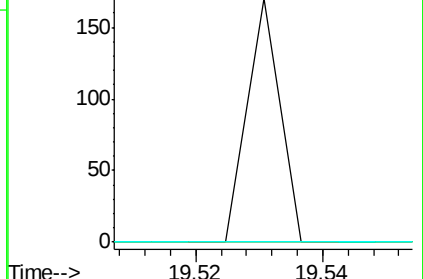
203 0.0 0.0 39.7

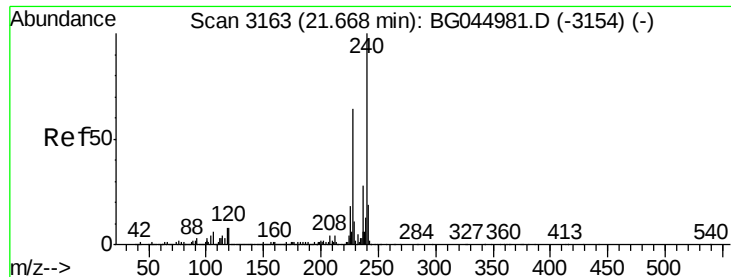


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

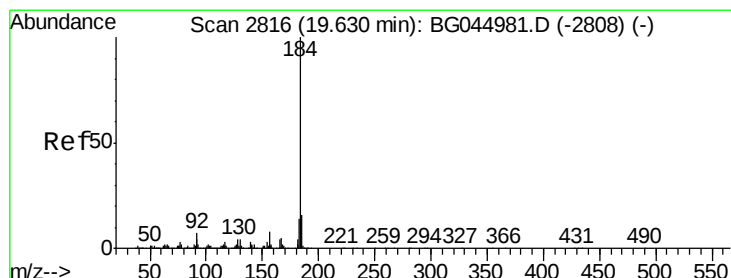
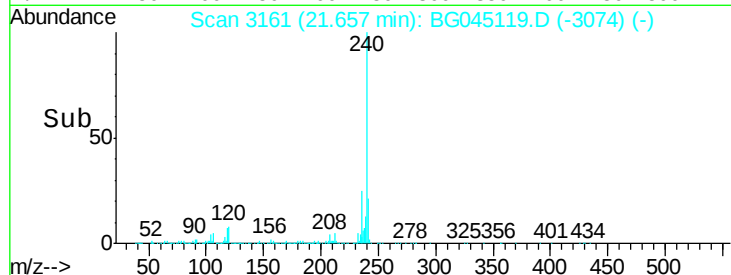
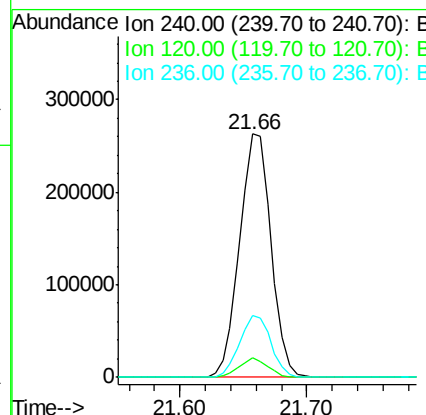
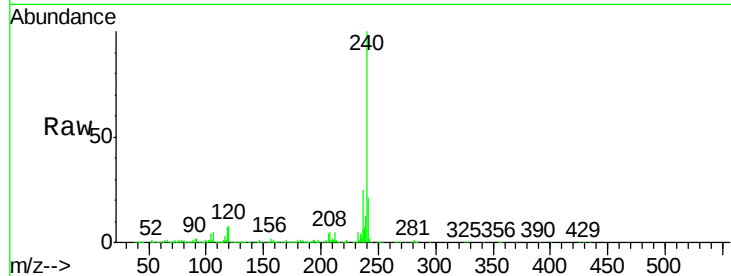




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.02 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

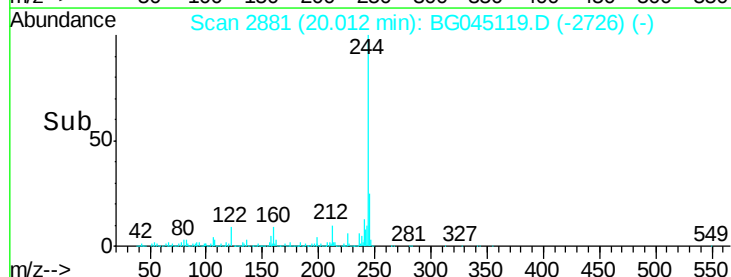
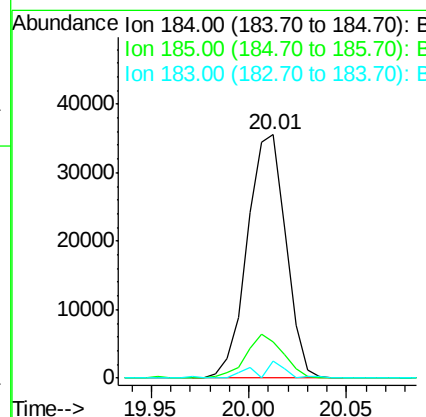
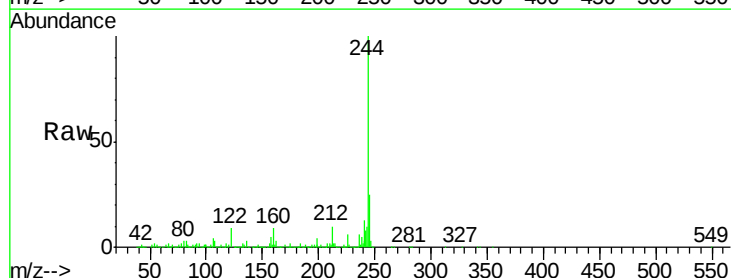
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

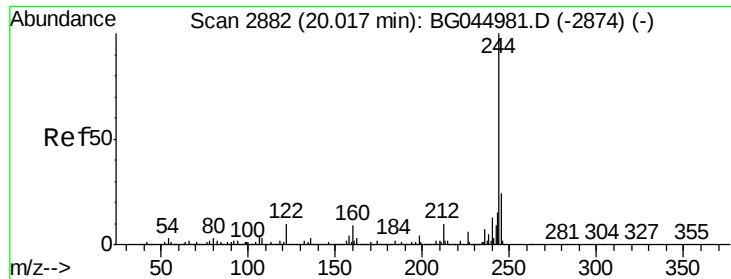
Tot Ion:240 Resp: 450852
 Ion Ratio Lower Upper
 240 100
 120 8.3 6.6 10.0
 236 25.3 22.2 33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 20.01 min Scan# 2881
 Delta R.T. 0.38 min
 Lab File: BG045119.D
 Acq: 21 Apr 2020 19:57

Tgt Ion:184 Resp: 48391
 Ion Ratio Lower Upper
 184 100
 185 15.0 12.6 19.0
 183 7.0 11.3 16.9#





#79

Terphenyl-d14

Concen: 116.052 ng

RT: 20.01 min Scan# 2880

Delta R.T. -0.01 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

Instrument :

BNA_G

ClientSampleId :

TP-4

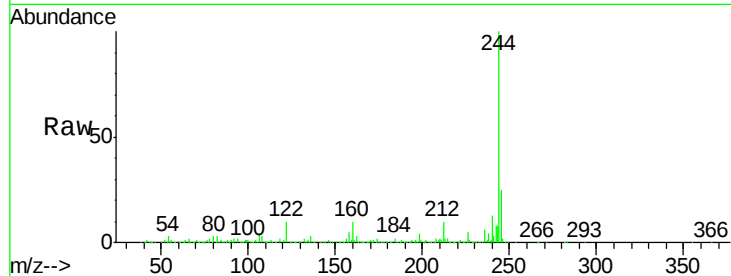
Tot Ion:244 Resp: 2400581

Ion Ratio Lower Upper

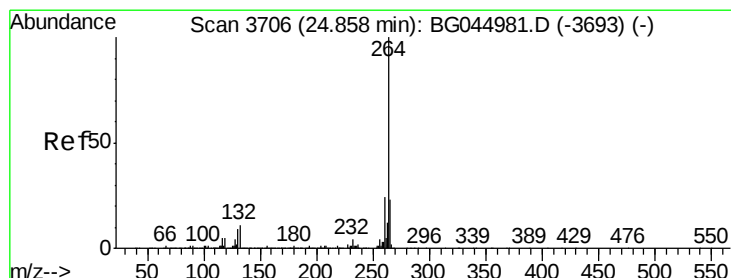
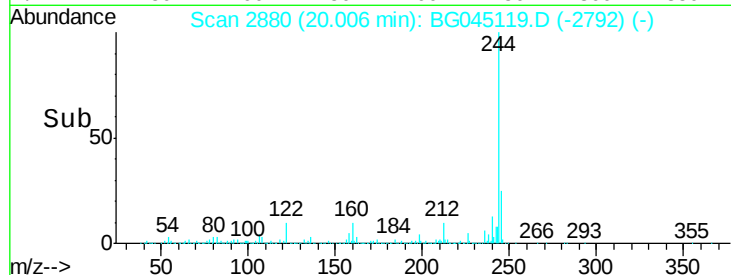
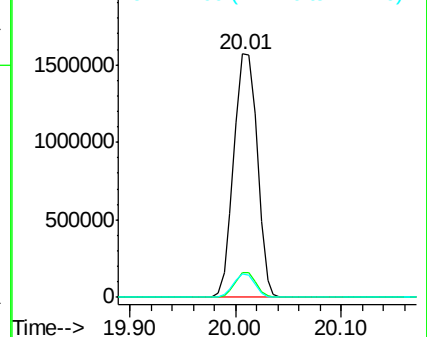
244 100

212 10.0 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: 24.85 min Scan# 3704

Delta R.T. -0.02 min

Lab File: BG045119.D

Acq: 21 Apr 2020 19:57

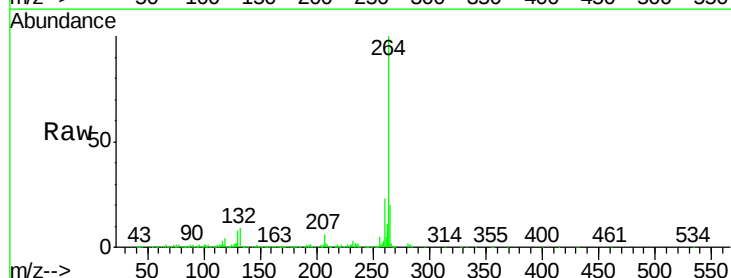
Tgt Ion:264 Resp: 488772

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 19.8 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

