

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042820\
 Data File : BG045187.D
 Acq On : 28 Apr 2020 16:14
 Operator : CG/JU
 Sample : PB128517BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128517BL

Quant Time: Apr 28 16:57:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 14:34:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	50039	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	196757	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	152166	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	401619	20.00	ng	0.00
76) Chrysene-d12	21.64	240	429220	20.00	ng	0.00
87) Perylene-d12	24.82	264	453245	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	440563	145.36	ng	0.00
7) Phenol-d6	7.15	99	611639	135.82	ng	0.00
23) Nitrobenzene-d5	9.15	82	434755	100.82	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	366908	156.08	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1071020	103.21	ng	0.00
79) Terphenyl-d14	19.99	244	2189440	111.18	ng	0.00

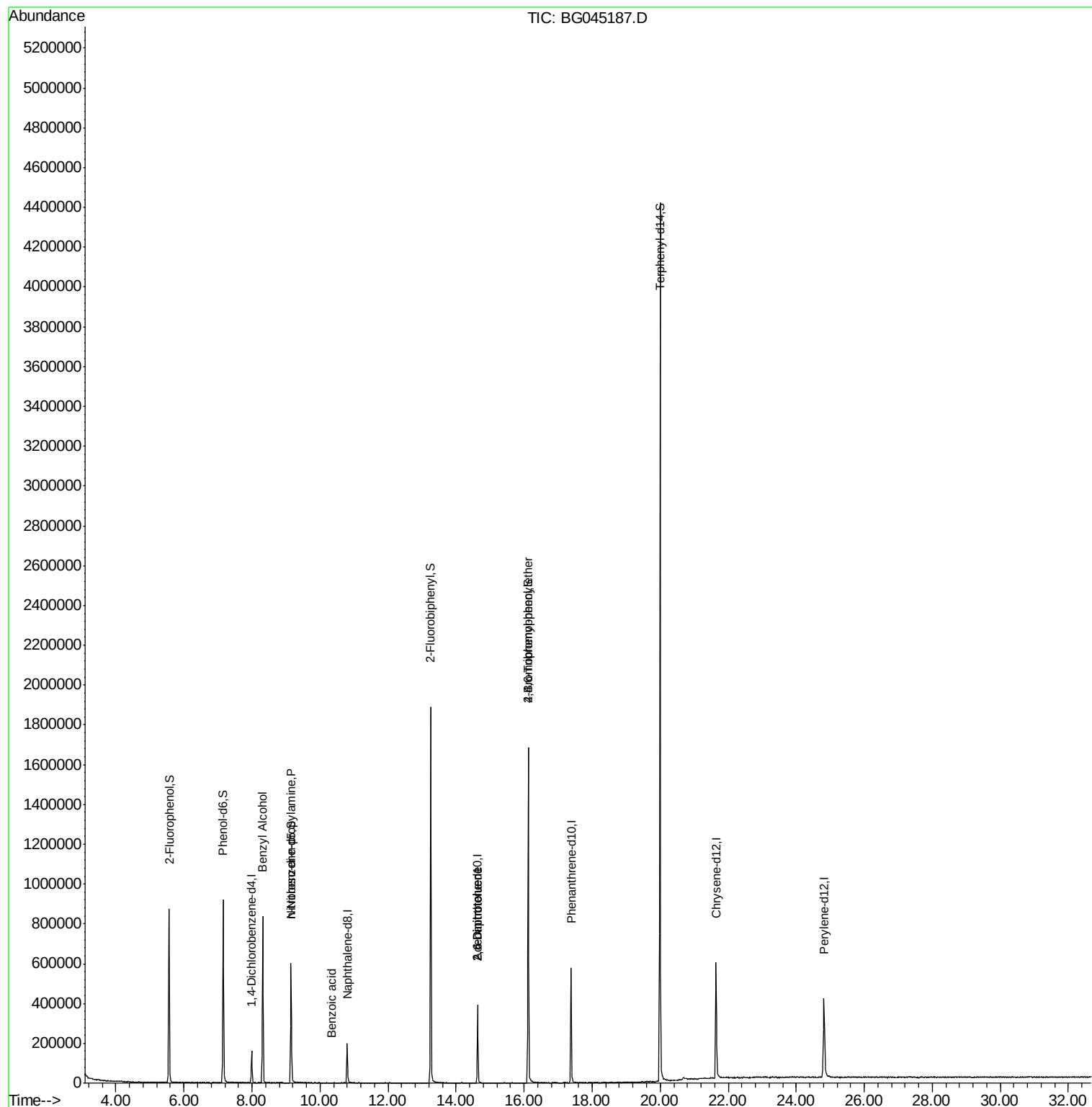
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	1137	Below Cal	#	4
15) Benzyl Alcohol	8.31	79	7850	2.079 ng	#	54
19) n-Nitroso-di-n-propylamine	9.14	70	57261	17.980 ng	#	81
32) Benzoic acid	10.34	122	54	6.393 ng	#	1
51) 2,6-Dinitrotoluene	14.62	165	20311	7.329 ng	#	25
57) 2,4-Dinitrotoluene	14.62	165	20311	5.015 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	25211	4.866 ng	#	1
69) Atrazine	16.87	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	812	Below Cal	#	76
75) Fluoranthene	19.37	202	54	Below Cal	#	62
77) Benzydine	19.99	184	41012	Below Cal	#	90

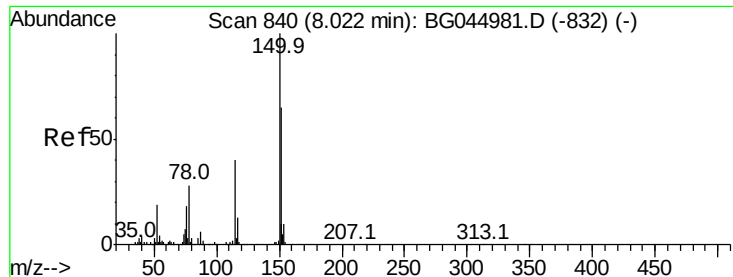
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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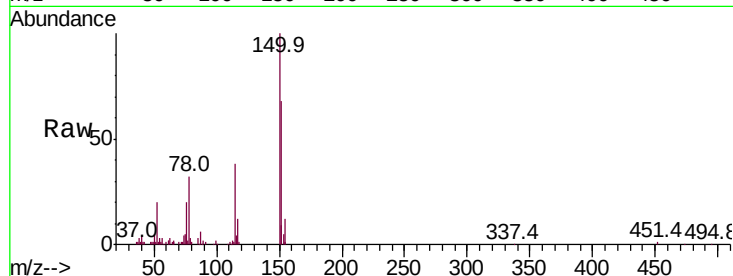


#1

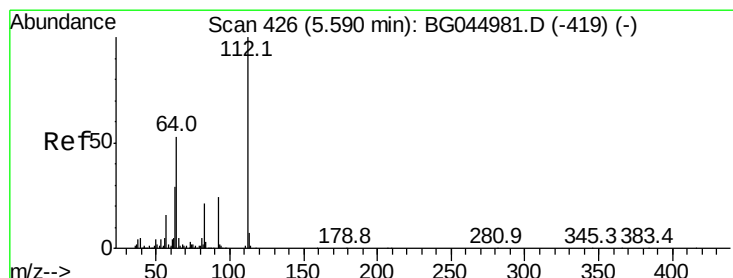
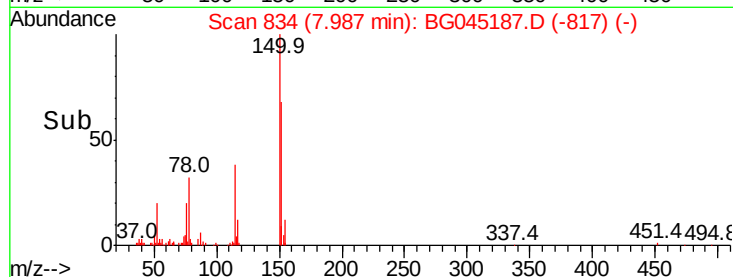
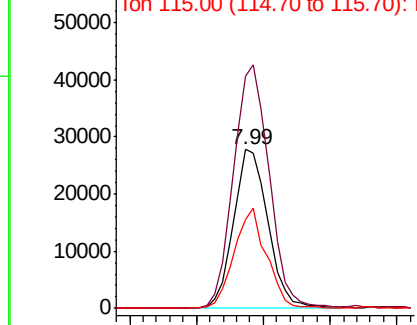
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 834
 Delta R.T. -0.00 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

Instrument :
 BNA_G
 ClientSampleId :
 PB128517BL

Tot Ion:152 Resp: 50039
 Ion Ratio Lower Upper
 152 100
 150 146.0 123.6 185.4
 115 55.8 49.1 73.7



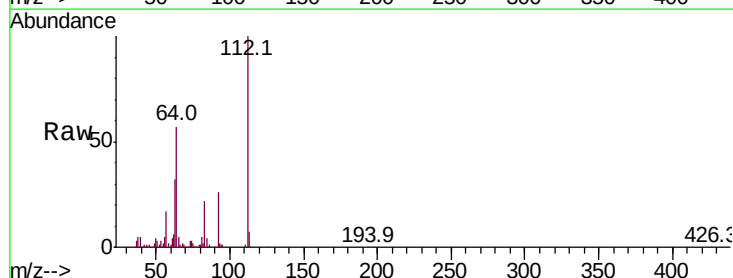
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



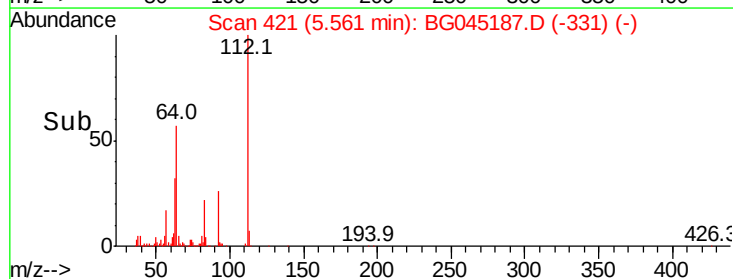
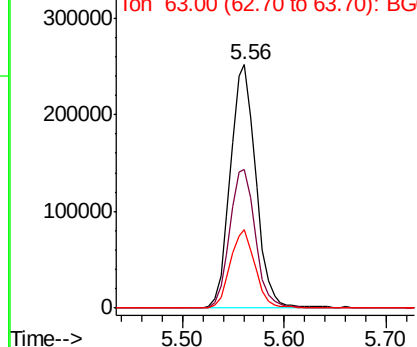
#5

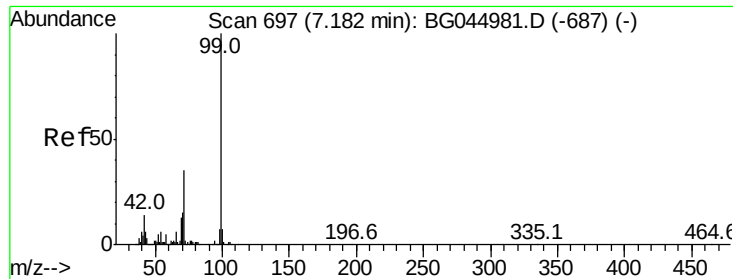
2-Fluorophenol
 Concen: 145.356 ng
 RT: 5.56 min Scan# 421
 Delta R.T. -0.00 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

Tgt Ion:112 Resp: 440563
 Ion Ratio Lower Upper
 112 100
 64 56.8 42.4 63.6
 63 32.3 23.1 34.7



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





#7

Phenol-d6

Concen: 135.823 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

BNA_G

ClientSampleId :

PB128517BL

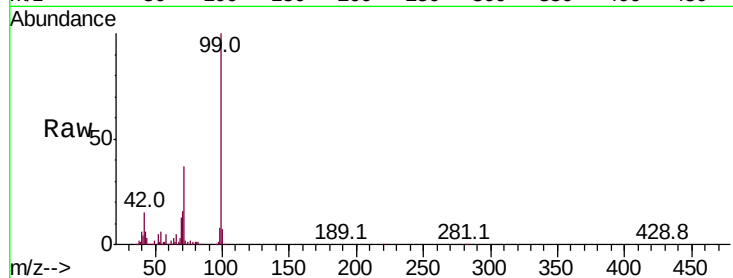
Tot Ion: 99 Resp: 611639

Ion Ratio Lower Upper

99 100

42 14.6 11.3 16.9

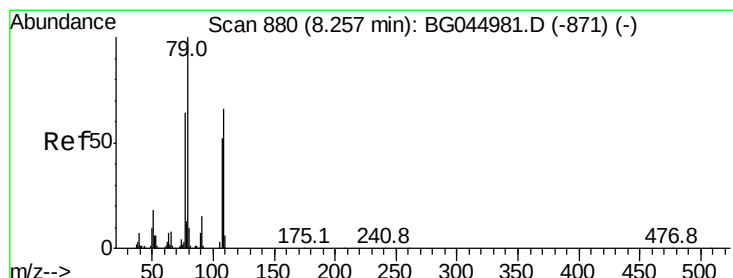
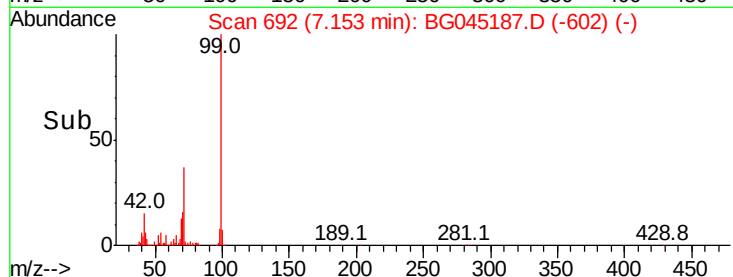
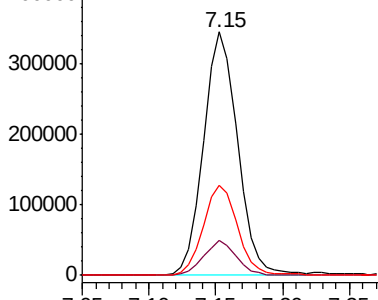
71 37.0 28.3 42.5



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: 2.079 ng

RT: 8.31 min Scan# 889

Delta R.T. 0.08 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

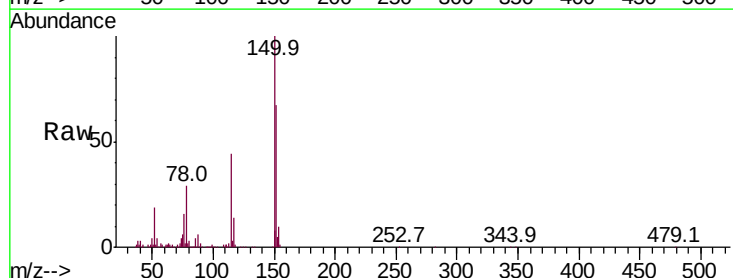
Tgt Ion: 79 Resp: 7850

Ion Ratio Lower Upper

79 100

108 31.2 52.7 79.1#

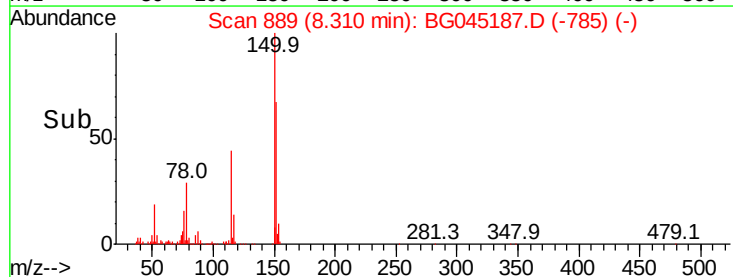
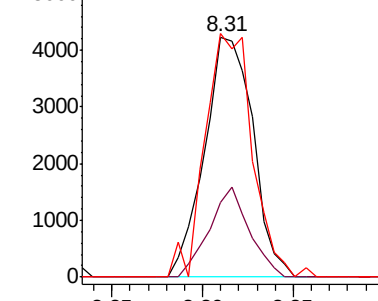
77 101.3 51.3 76.9#

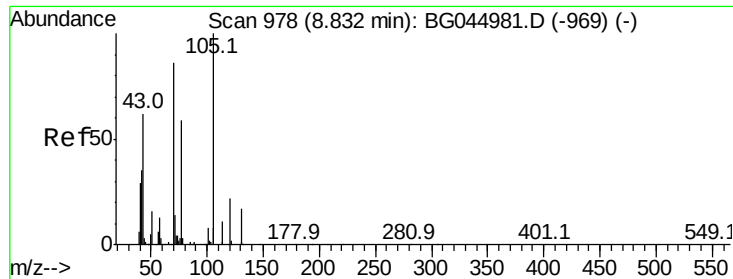


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

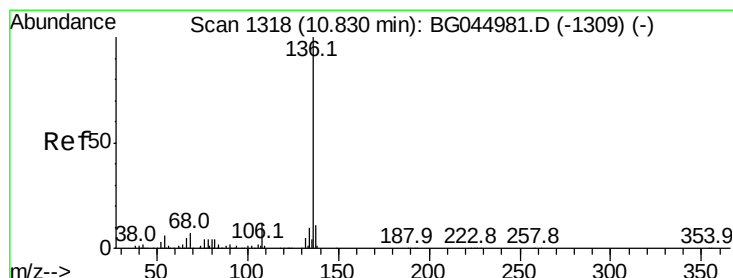
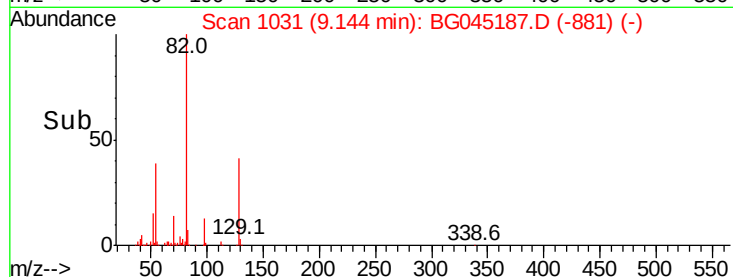
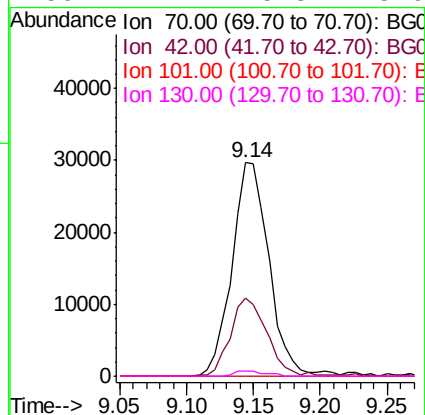
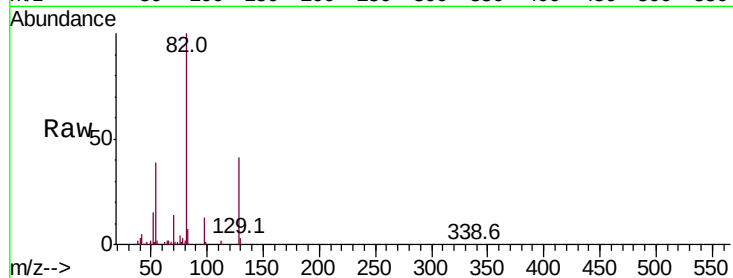




#19
n-Nitroso-di-n-propylamine
Concen: 17.980 ng
RT: 9.14 min Scan# 1031
Delta R.T. 0.35 min
Lab File: BG045187.D
Acq: 28 Apr 2020 16:14

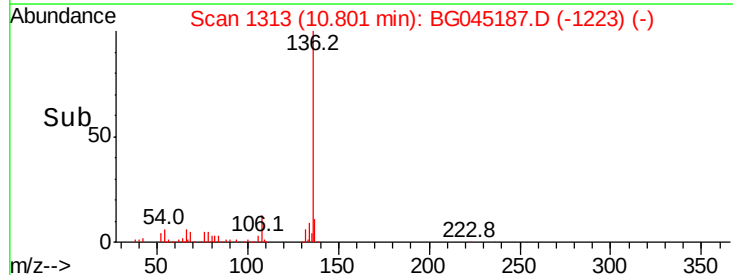
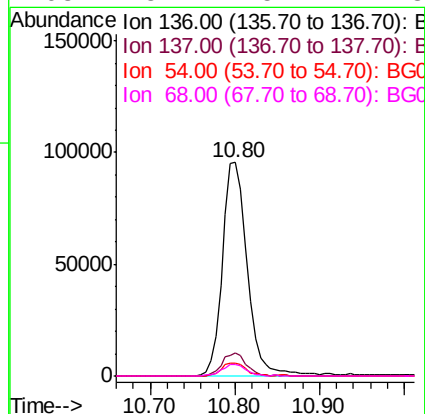
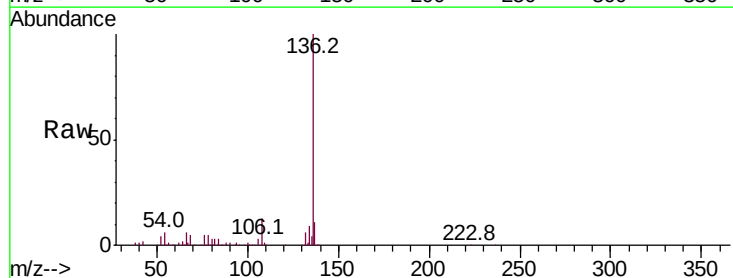
Instrument :
BNA_G
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PB128517BL

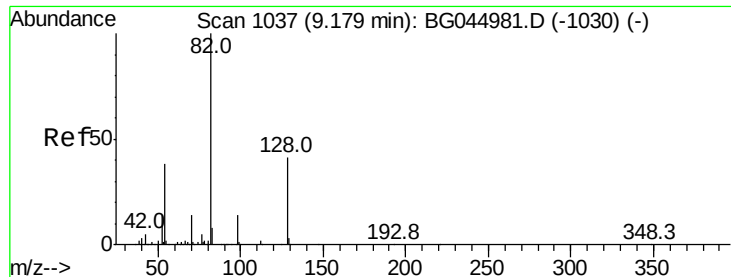
Tot Ion:	70	Resp:	57261
Ion	Ratio	Lower	Upper
70	100		
42	36.3	33.3	49.9
101	0.0	7.8	11.8#
130	2.2	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045187.D
Acq: 28 Apr 2020 16:14

Tgt Ion:	136	Resp:	196757
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	6.0	4.8	7.2
68	5.4	5.2	7.8

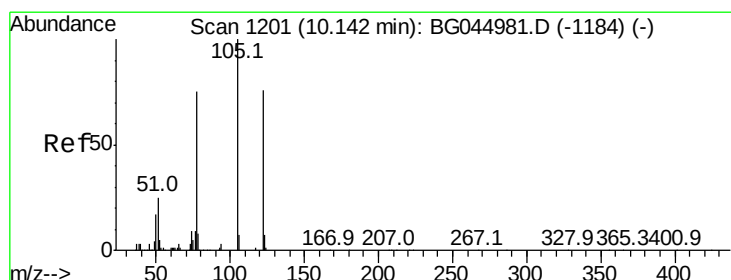
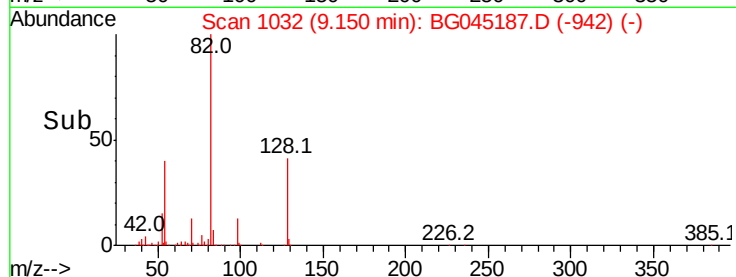
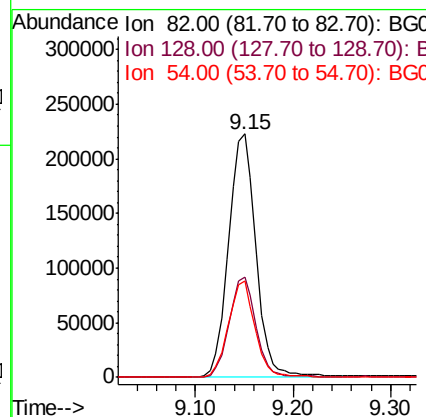
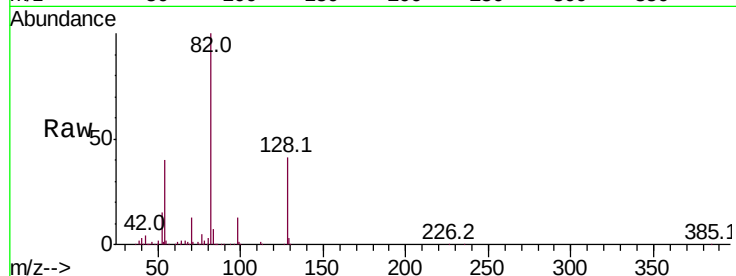




#23
 Nitrobenzene-d5
 Concen: 100.822 ng
 RT: 9.15 min Scan# 1032
 Delta R.T. -0.00 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

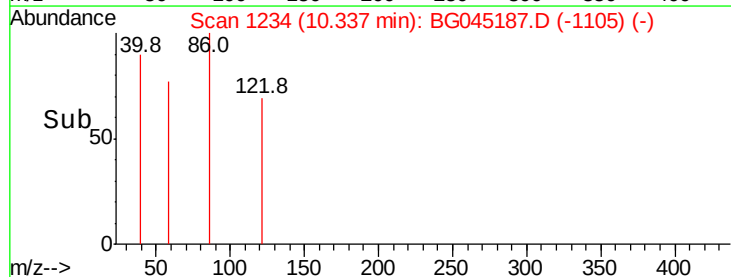
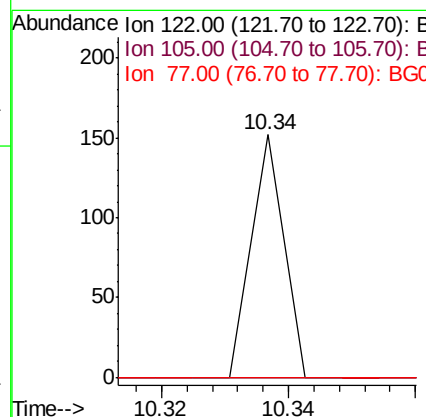
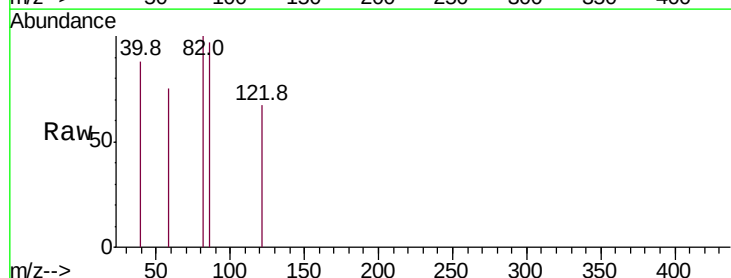
Instrument :
 BNA_G
 ClientSampleId :
 PB128517BL

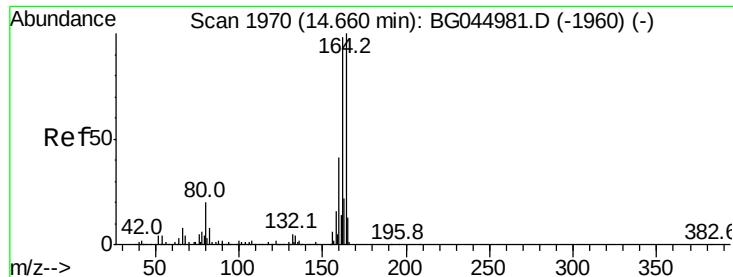
Tot Ion	82	Resp	434755
Ion Ratio	100	Lower	Upper
128	41.2	33.0	49.4
54	39.5	30.4	45.6



#32
 Benzoic acid
 Concen: 6.393 ng
 RT: 10.34 min Scan# 1234
 Delta R.T. 0.23 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

Tgt Ion	122	Resp	54
Ion Ratio	100	Lower	Upper
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: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

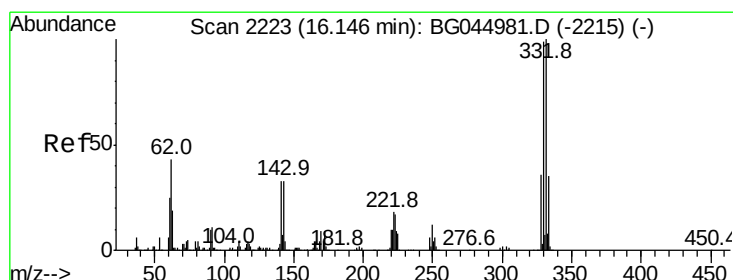
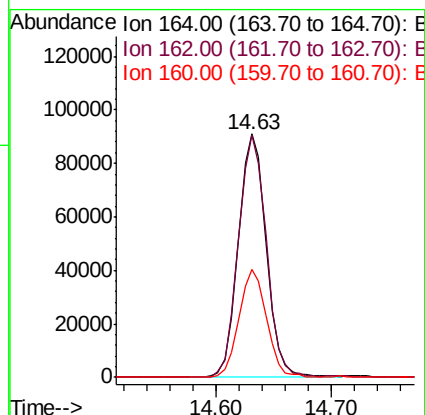
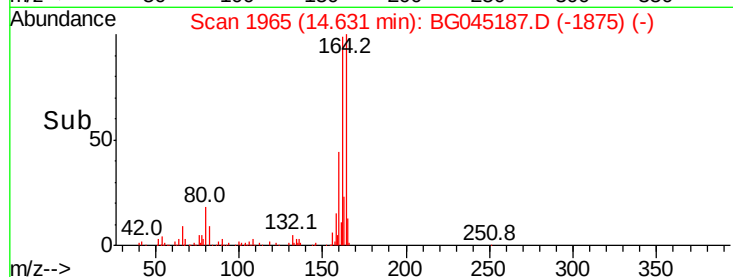
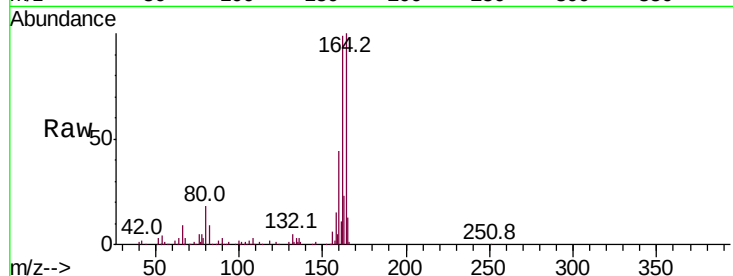
BNA_G

ClientSampleId :

PB128517BL

Tot Ion:164 Resp: 152166

Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.7	118.1
160	44.3	32.8	49.2



#42

2,4,6-Tribromophenol

Concen: 156.080 ng

RT: 16.12 min Scan# 2219

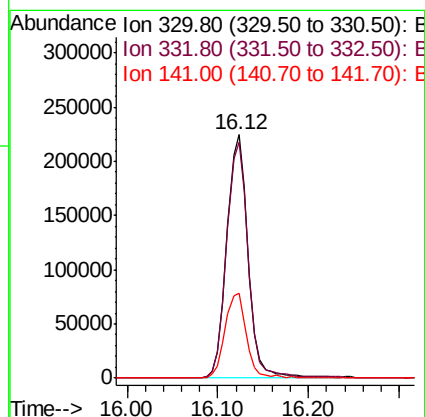
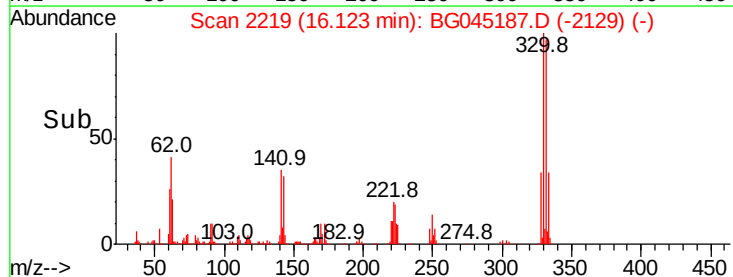
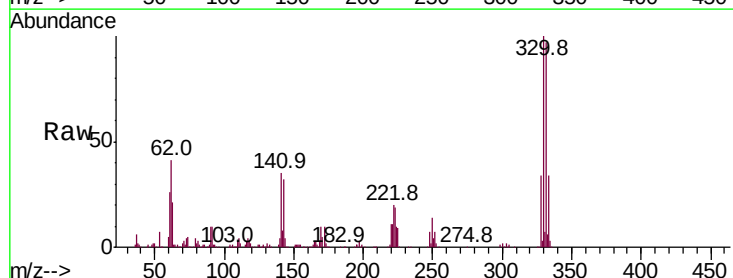
Delta R.T. -0.00 min

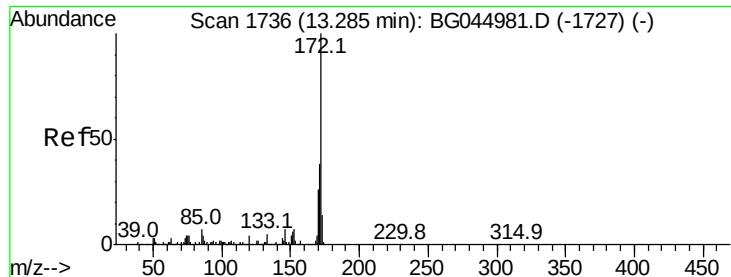
Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Tgt Ion:330 Resp: 366908

Ion	Ratio	Lower	Upper
330	100		
332	97.6	79.1	118.7
141	34.2	27.1	40.7

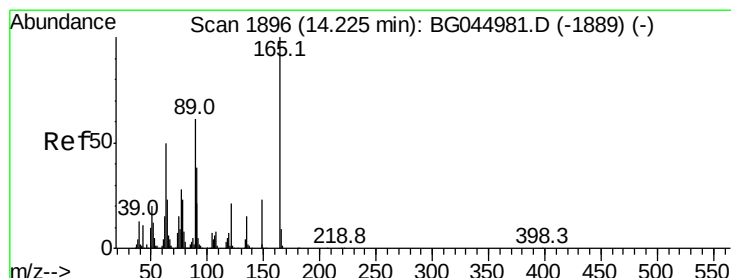
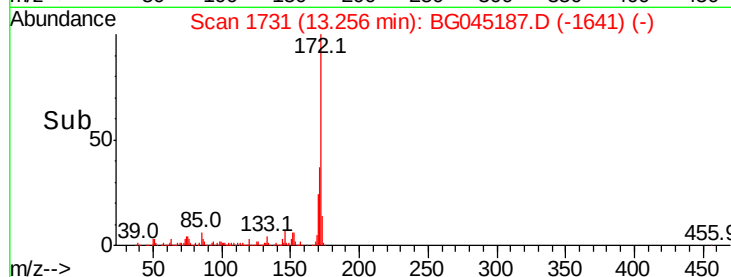
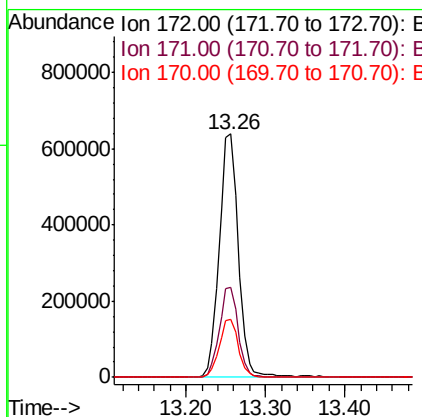
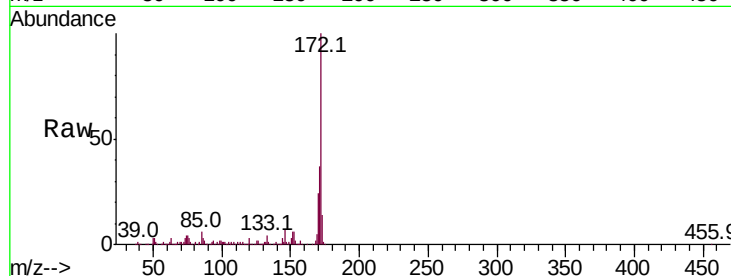




#45
 2-Fluorobiphenyl
 Concen: 103.207 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

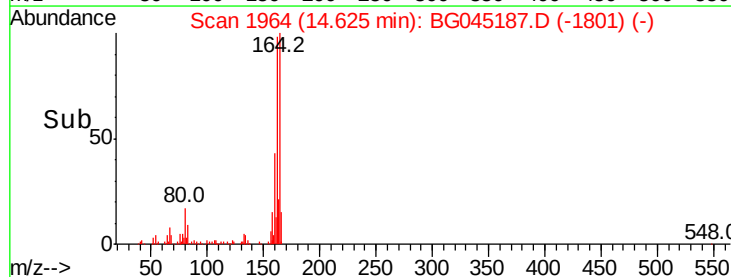
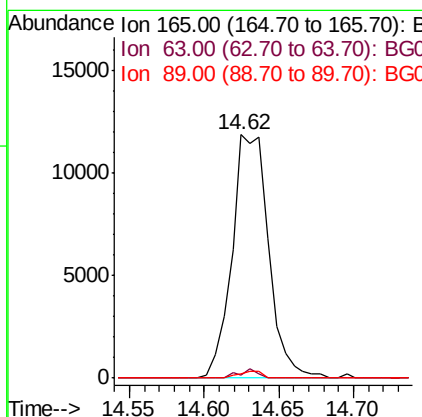
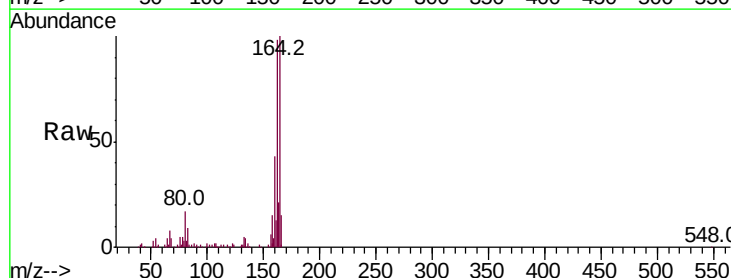
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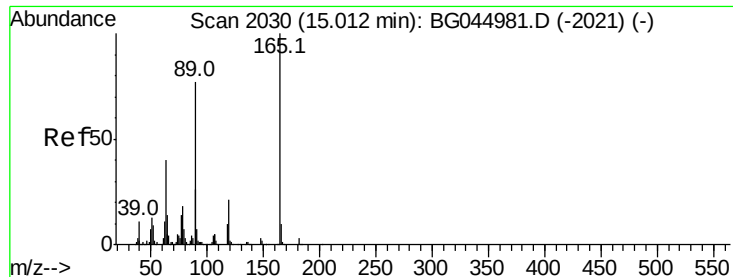
Tot Ion:172 Resp: 1071020
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.6 46.0
 170 23.8 20.5 30.7



#51
 2,6-Dinitrotoluene
 Concen: 7.329 ng
 RT: 14.62 min Scan# 1964
 Delta R.T. 0.43 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

Tgt Ion:165 Resp: 20311
 Ion Ratio Lower Upper
 165 100
 63 1.5 40.4 60.6#
 89 1.7 49.1 73.7#





#57

2,4-Dinitrotoluene

Concen: 5.015 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.37 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

BNA_G

ClientSampleId :

PB128517BL

Tot Ion:165 Resp: 20311

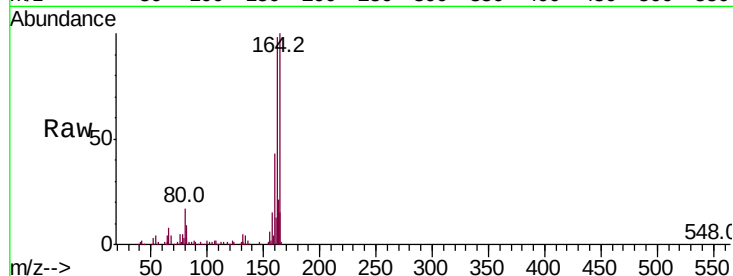
Ion Ratio Lower Upper

165 100

63 1.5 32.2 48.2#

89 1.7 61.7 92.5#

182 0.0 2.0 3.0#

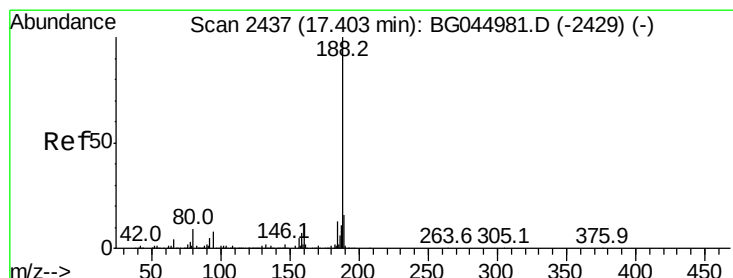
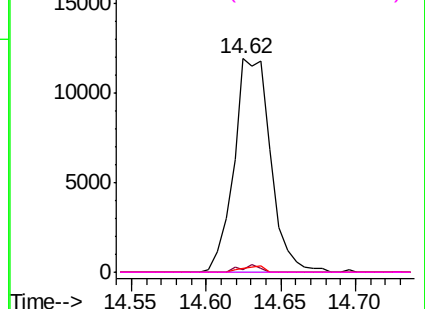
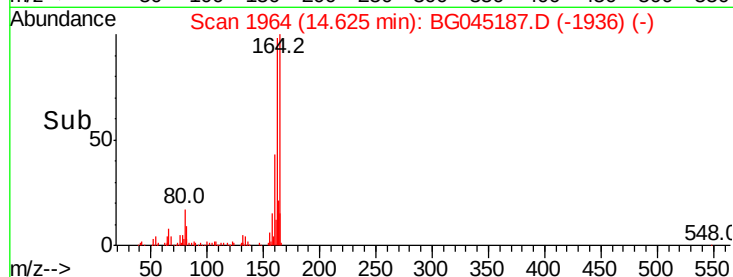


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2433

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

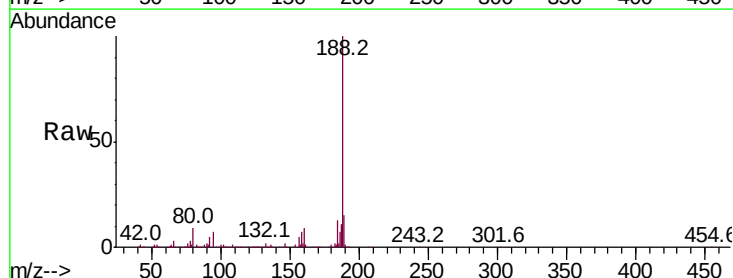
Tgt Ion:188 Resp: 401619

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

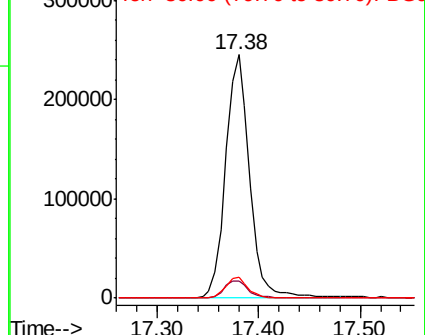
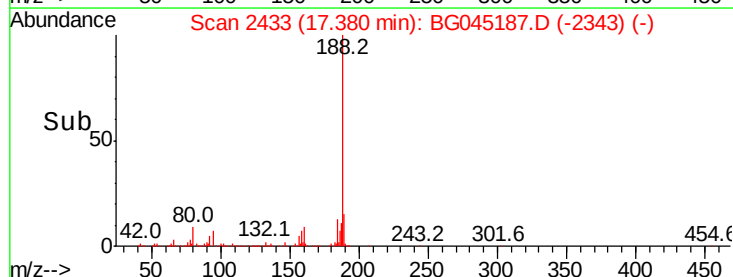
80 8.7 7.0 10.6

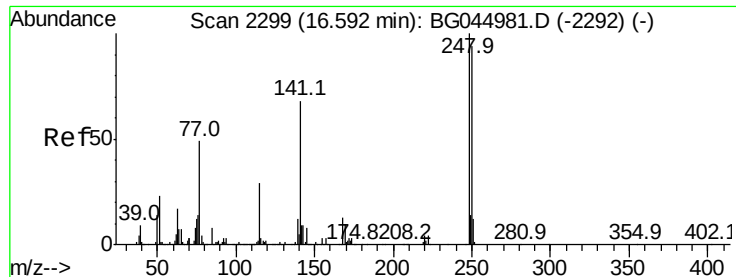


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

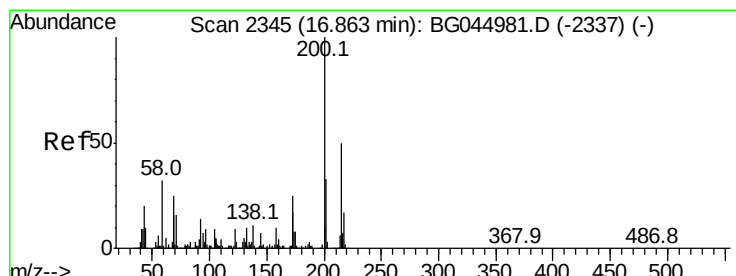
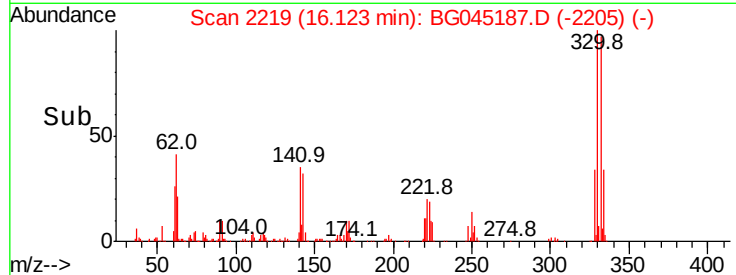
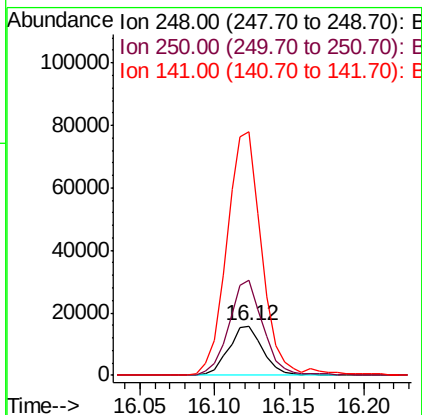
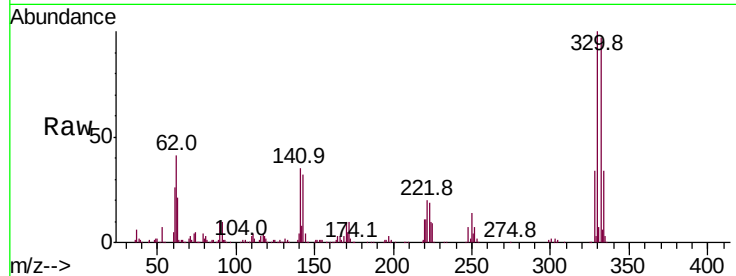




#67
 4-Bromophenyl-phenylether
 Concen: 4.866 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.45 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

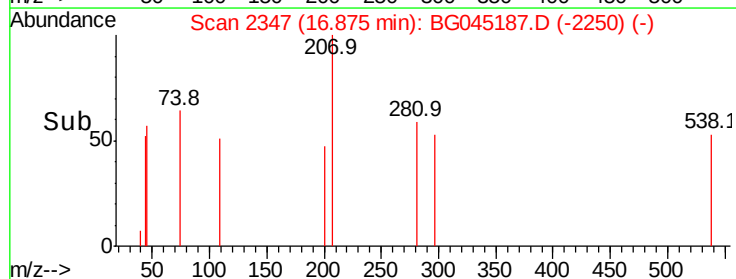
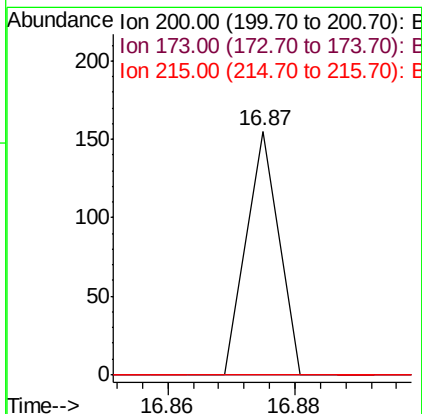
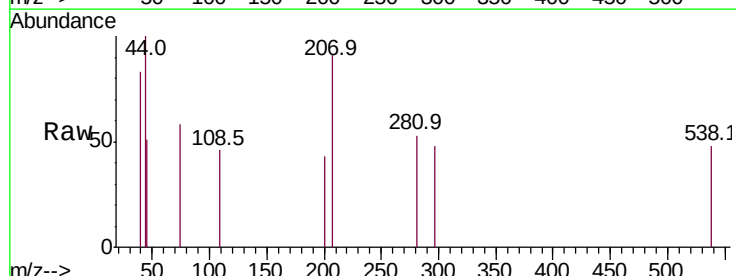
Instrument :
 BNA_G
 ClientSampleId :
 PB128517BL

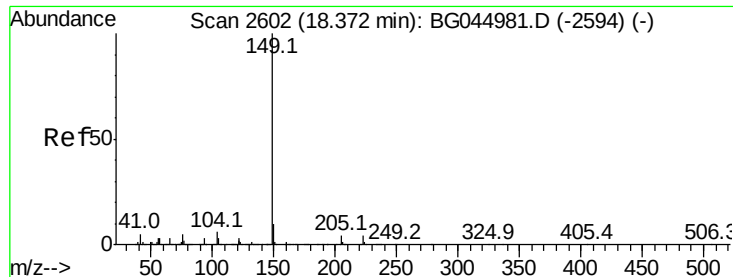
Tot Ion:	248	Resp:	25211
Ion	Ratio	Lower	Upper
248	100		
250	193.6	75.4	113.2#
141	494.5	54.4	81.6#



#69
 Atrazine
 Concen: Below Cal
 RT: 16.87 min Scan# 2347
 Delta R.T. 0.04 min
 Lab File: BG045187.D
 Acq: 28 Apr 2020 16:14

Tgt Ion:	200	Resp:	55
Ion	Ratio	Lower	Upper
200	100		
173	0.0	4.5	44.5#
215	0.0	30.0	70.0#





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2599

Delta R.T. 0.01 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

BNA_G

ClientSampleId :

PB128517BL

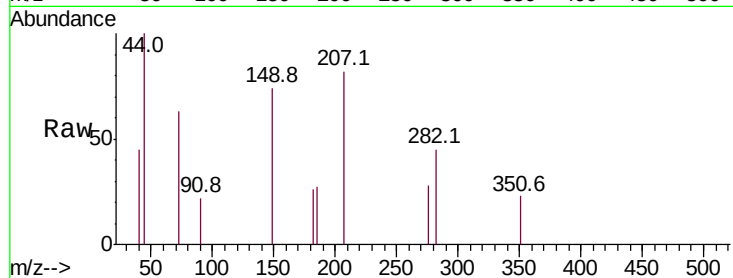
Tot Ion:149 Resp: 812

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

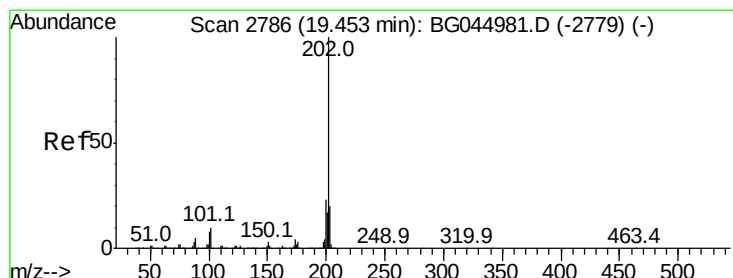
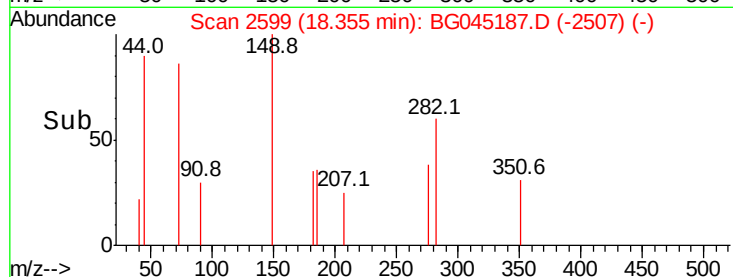
18.36

400

200

0

Time--> 18.30 18.35 18.40



#75

Fluoranthene

Concen: Below Cal

RT: 19.37 min Scan# 2772

Delta R.T. -0.06 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

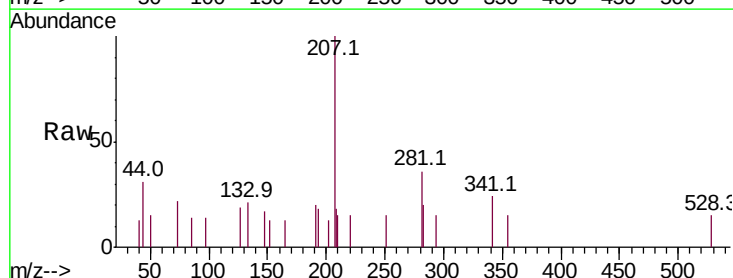
Tgt Ion:202 Resp: 54

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

19.37

200

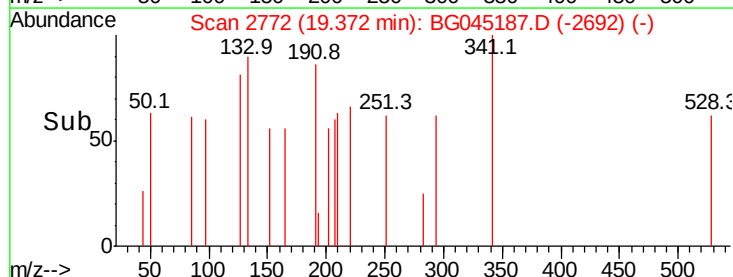
150

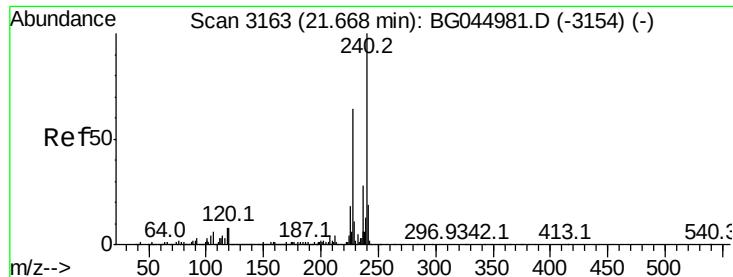
100

50

0

Time--> 19.36 19.38





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

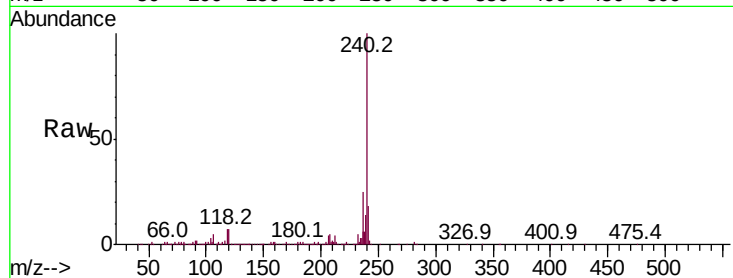
BNA_G

ClientSampleId :

PB128517BL

Tot Ion:240 Resp: 429220

Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.6	10.0
236	25.3	22.2	33.2

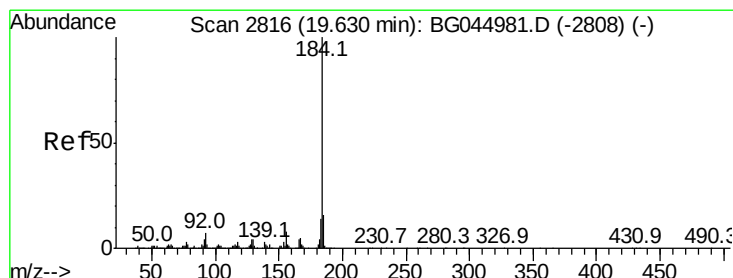
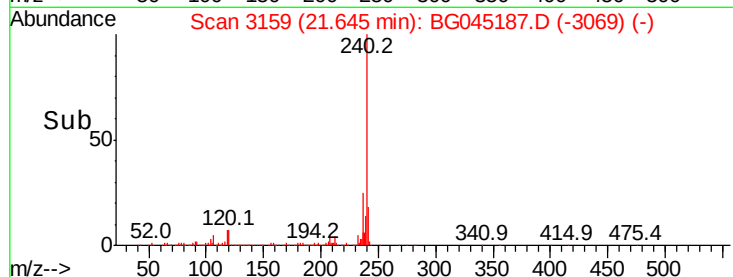
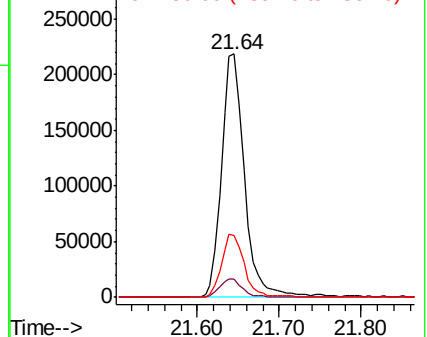


Abundance

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

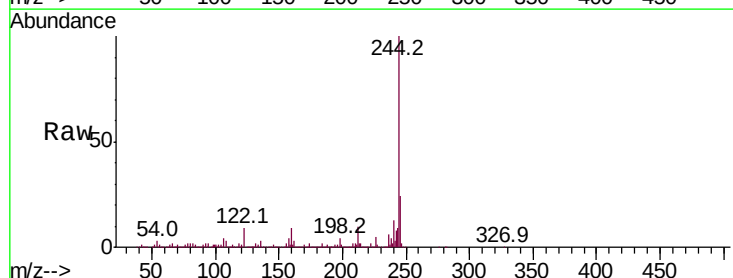
Delta R.T. 0.39 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Tgt Ion:184 Resp: 41012

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	19.0
183	6.6	11.3	16.9

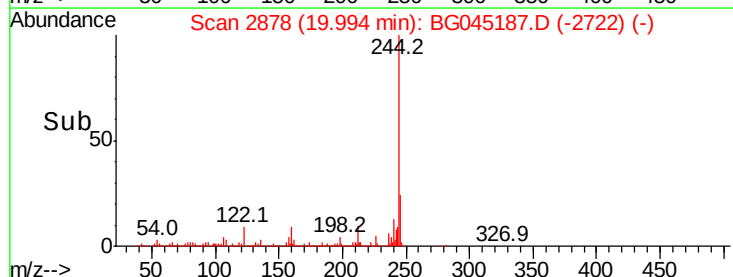
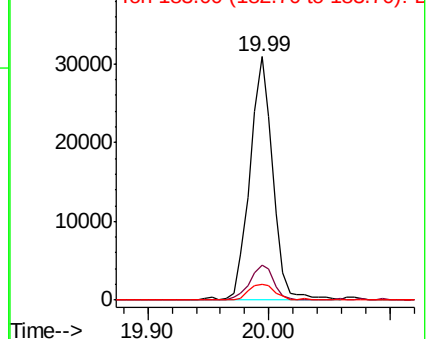


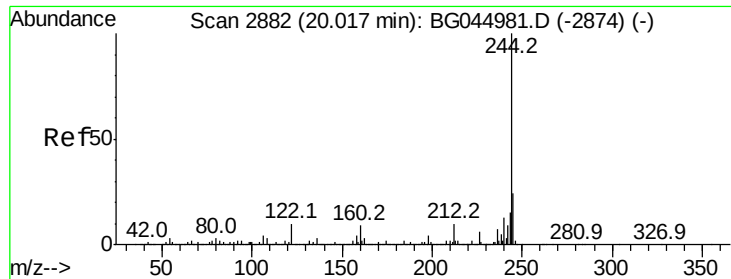
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 111.179 ng

RT: 19.99 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Instrument :

BNA_G

ClientSampleId :

PB128517BL

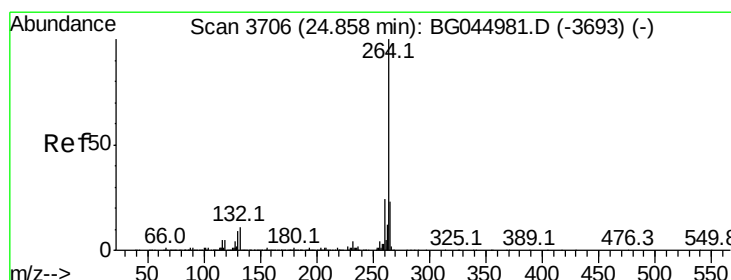
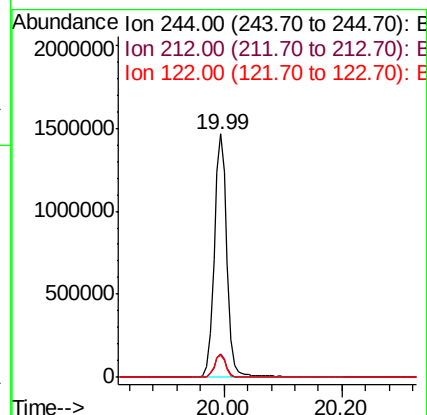
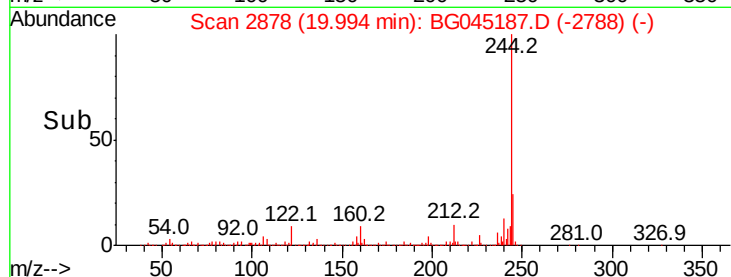
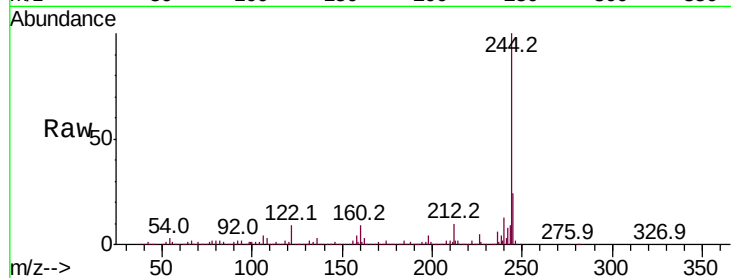
Tot Ion:244 Resp: 2189440

Ion Ratio Lower Upper

244 100

212 9.7 7.9 11.9

122 9.3 7.7 11.5



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.82 min Scan# 3699

Delta R.T. -0.01 min

Lab File: BG045187.D

Acq: 28 Apr 2020 16:14

Tgt Ion:264 Resp: 453245

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.9 19.0 28.4

