

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG045000.D
 Acq On : 16 Apr 2020 2:55
 Operator : CG/JU
 Sample : L2277-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 B-2

Quant Time: Apr 16 05:05:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	65081	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	265781	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	212292	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	561992	20.00	ng	0.00
76) Chrysene-d12	21.67	240	543946	20.00	ng	0.00
87) Perylene-d12	24.85	264	581843	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	541598	137.39	ng	0.00
7) Phenol-d6	7.18	99	696059	118.84	ng	0.00
23) Nitrobenzene-d5	9.18	82	588706	101.07	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	557552	170.00	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1434821	99.10	ng	0.00
79) Terphenyl-d14	20.01	244	2617547	104.88	ng	0.00

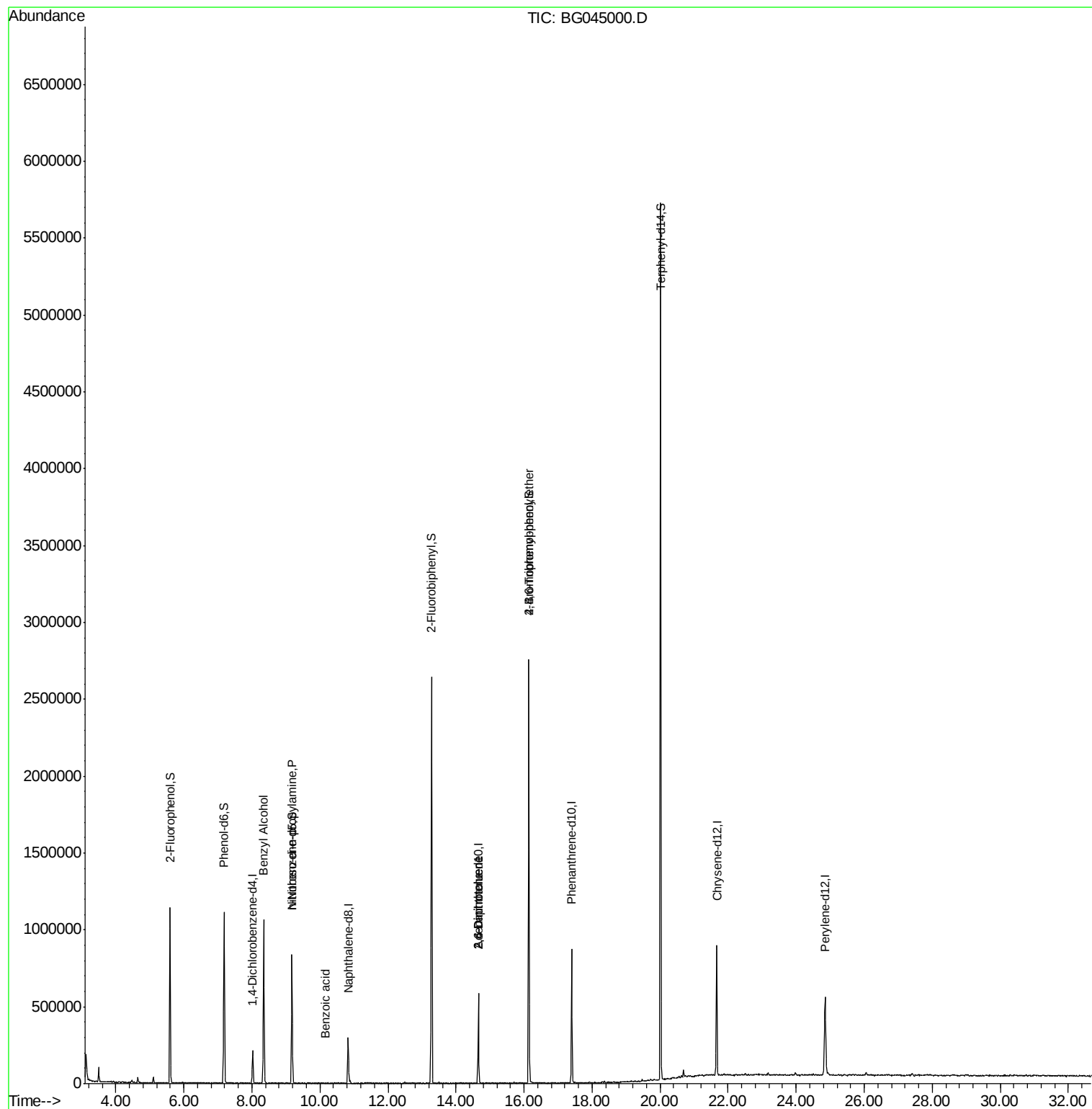
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	2501	Below Cal	#	28
15) Benzyl Alcohol	8.34	79	10151	2.067 ng	#	51
19) n-Nitroso-di-n-propylamine	9.18	70	79061	19.088 ng	#	80
32) Benzoic acid	10.16	122	185	6.422 ng	#	51
51) 2,6-Dinitrotoluene	14.66	165	27668	7.156 ng	#	25
57) 2,4-Dinitrotoluene	14.66	165	27668	4.897 ng	#	23
67) 4-Bromophenyl-phenylether	16.14	248	37622	5.189 ng	#	1
69) Atrazine	17.00	200	93	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	5815	Below Cal		97
75) Fluoranthene	19.46	202	1594	Below Cal		82
77) Benzydine	20.01	184	52493	Below Cal	#	89

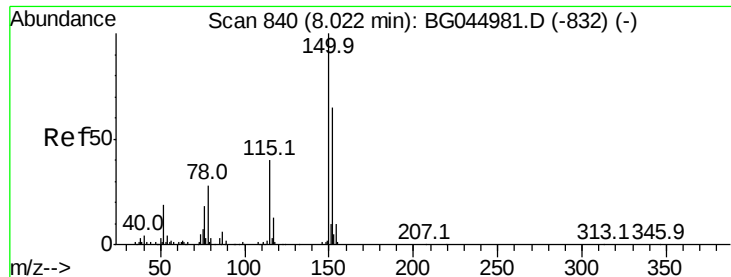
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

Instrument :

BNA_G

ClientSampleId :

B-2

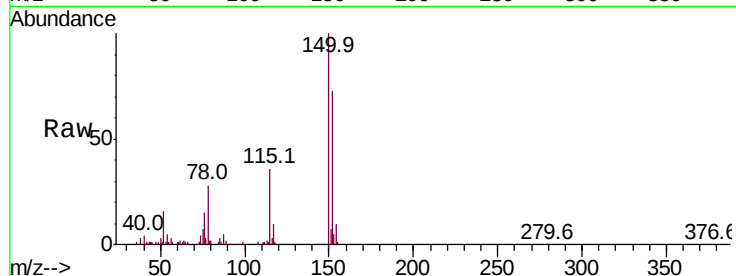
Tot Ion:152 Resp: 65081

Ion Ratio Lower Upper

152 100

150 136.3 123.6 185.4

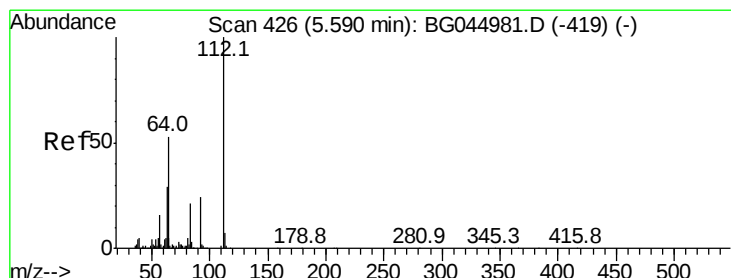
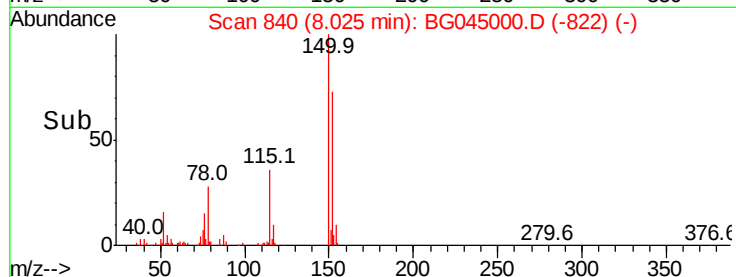
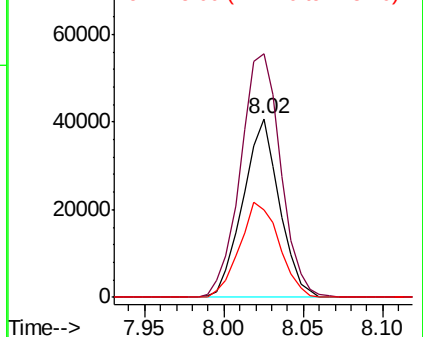
115 48.7 49.1 73.7#



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: 137.390 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

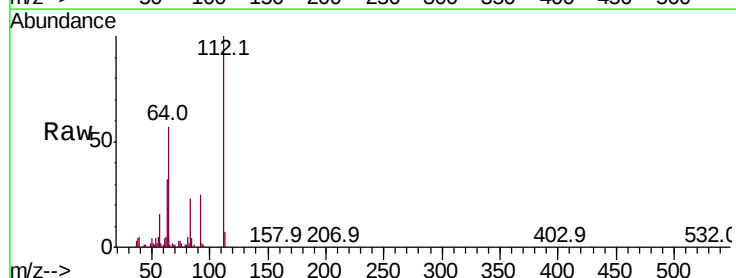
Tgt Ion:112 Resp: 541598

Ion Ratio Lower Upper

112 100

64 57.0 42.4 63.6

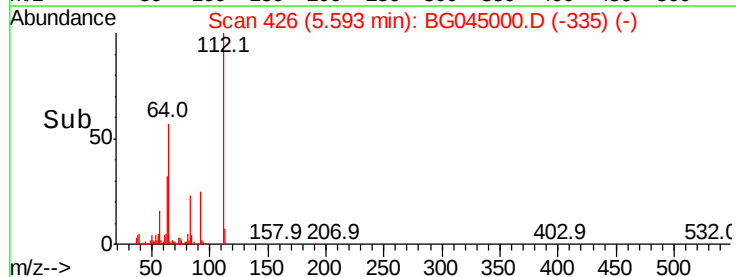
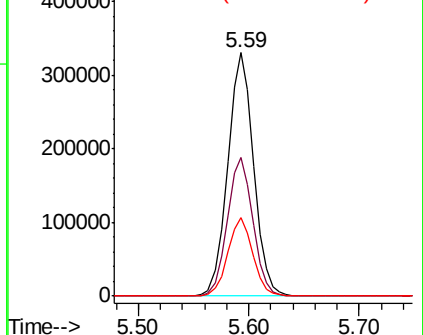
63 32.0 23.1 34.7

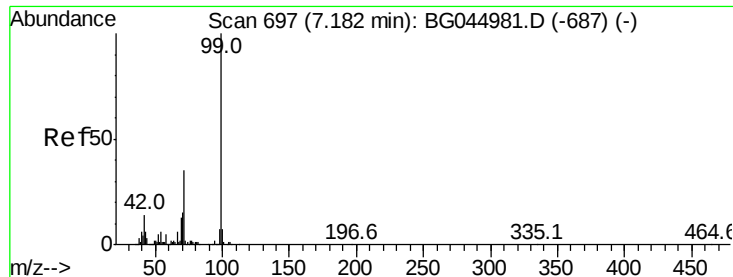


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 118.844 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

Instrument :

BNA_G

ClientSampleId :

B-2

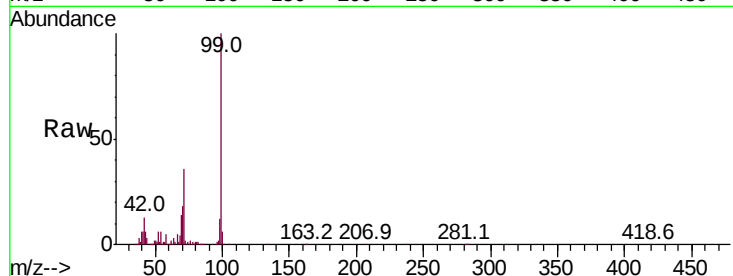
Tot Ion: 99 Resp: 696059

Ion Ratio Lower Upper

99 100

42 13.4 11.3 16.9

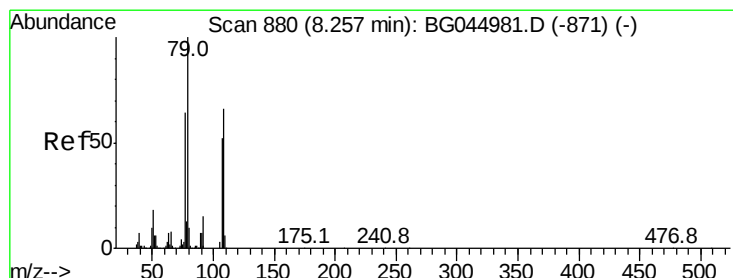
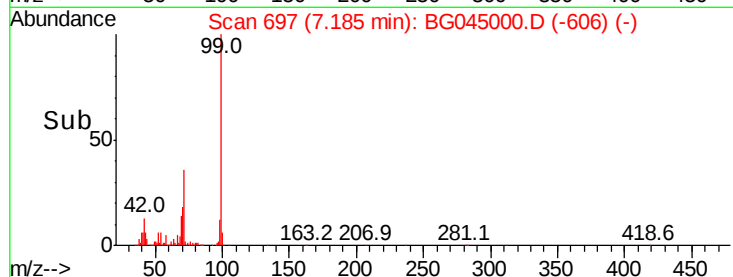
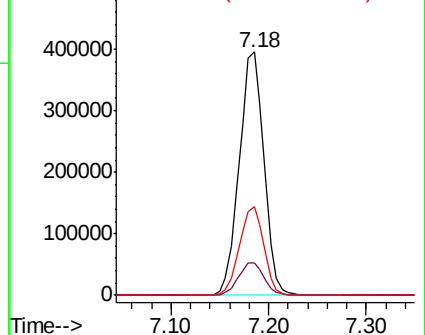
71 36.3 28.3 42.5



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: 2.067 ng

RT: 8.34 min Scan# 894

Delta R.T. 0.09 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

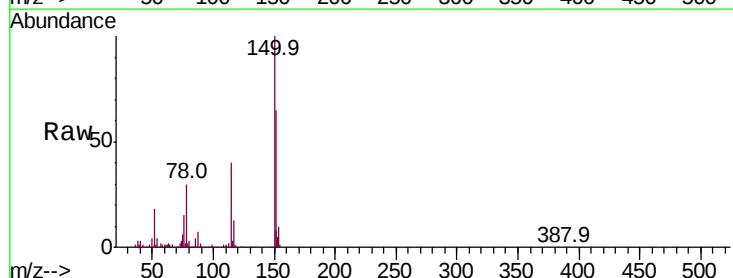
Tgt Ion: 79 Resp: 10151

Ion Ratio Lower Upper

79 100

108 23.1 52.7 79.1#

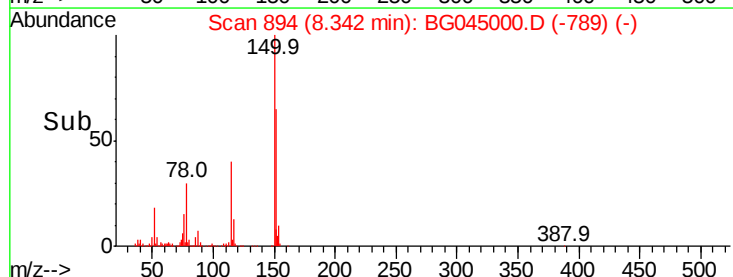
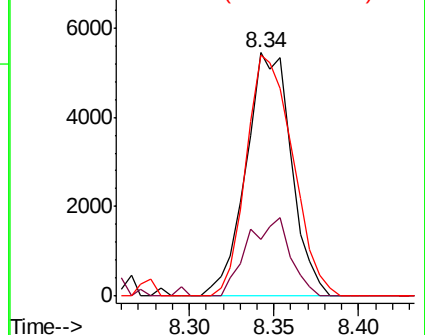
77 99.2 51.3 76.9#

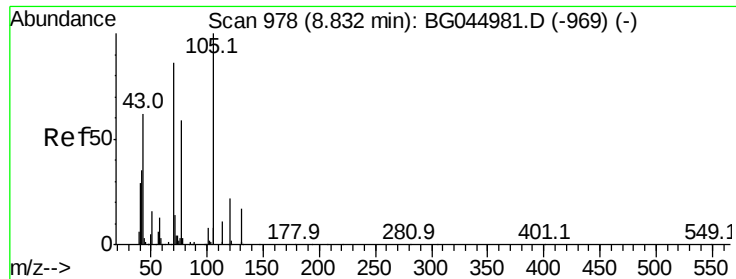


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

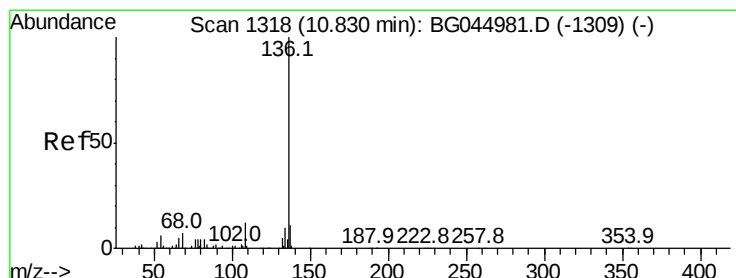
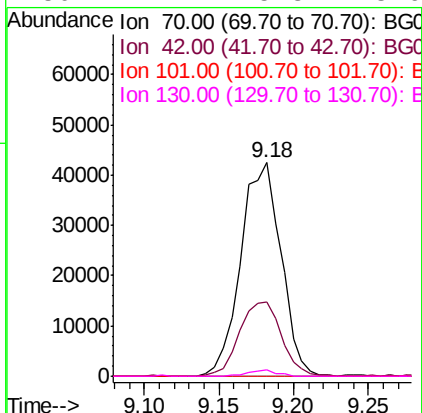
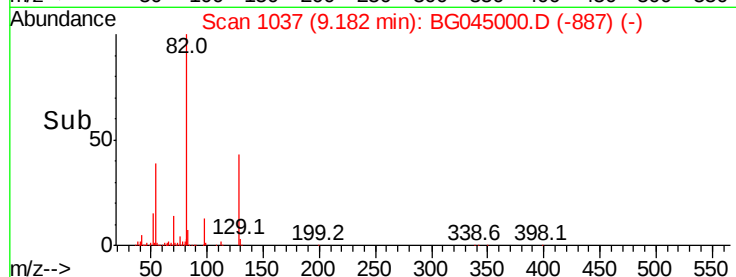
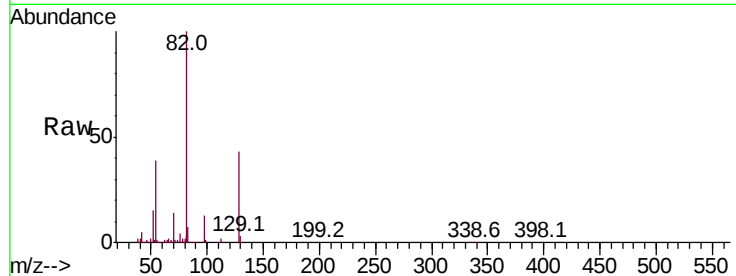




#19
n-Nitroso-di-n-propylamine
Concen: 19.088 ng
RT: 9.18 min Scan# 1037
Delta R.T. 0.35 min
Lab File: BG045000.D
Acq: 16 Apr 2020 2:55

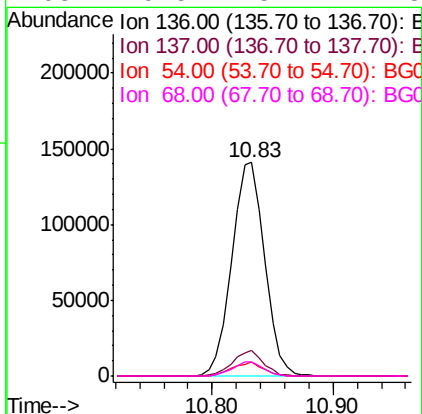
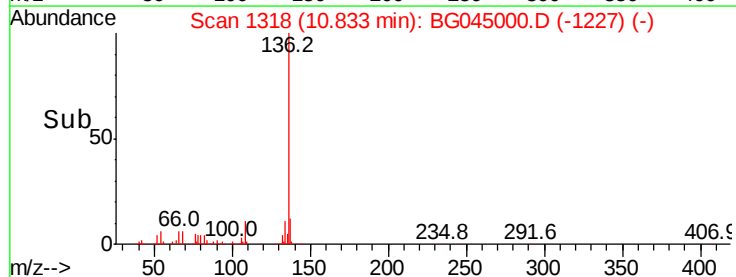
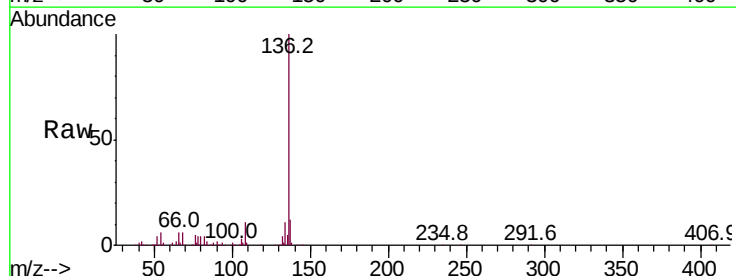
Instrument :
BNA_G
ClientSampleId :
B-2

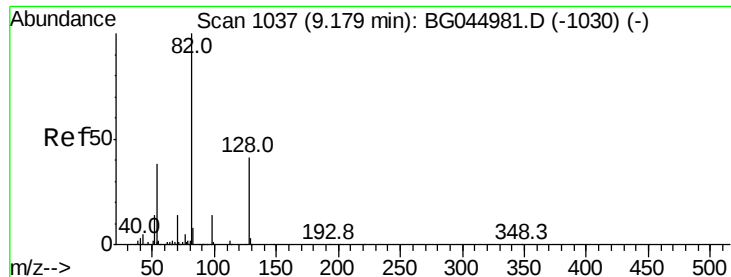
Tot Ion:	70	Resp:	79061
Ion	Ratio	Lower	Upper
70	100		
42	34.8	33.3	49.9
101	0.0	7.8	11.8#
130	2.7	15.8	23.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG045000.D
Acq: 16 Apr 2020 2:55

Tgt Ion:	136	Resp:	265781
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.6	13.0
54	6.3	4.8	7.2
68	6.5	5.2	7.8

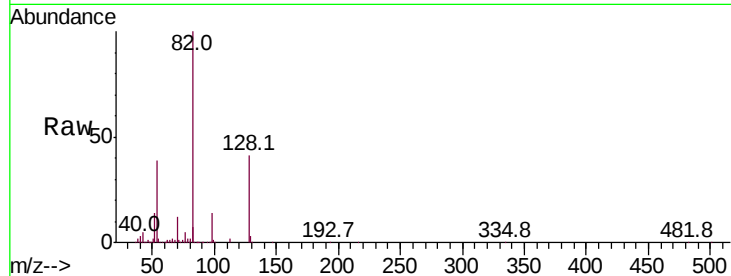




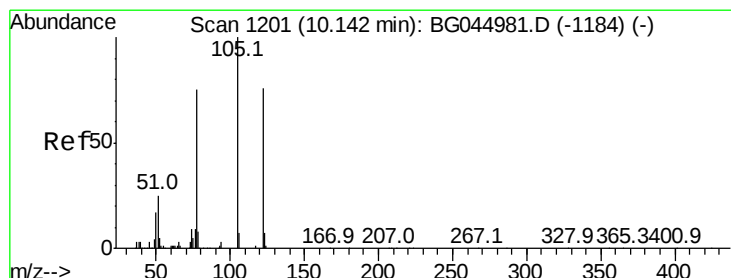
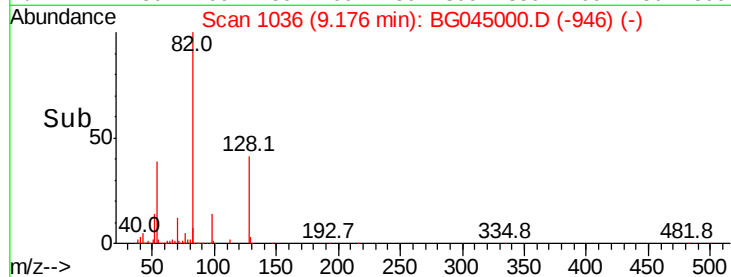
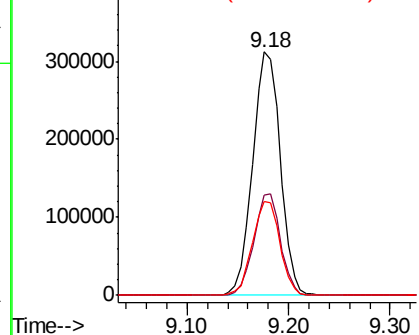
#23
Nitrobenzene-d5
Concen: 101.068 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045000.D
Acq: 16 Apr 2020 2:55

Instrument :
BNA_G
ClientSampleId :
B-2

Tot Ion: 82 Resp: 588706
Ion Ratio Lower Upper
82 100
128 40.9 33.0 49.4
54 38.7 30.4 45.6

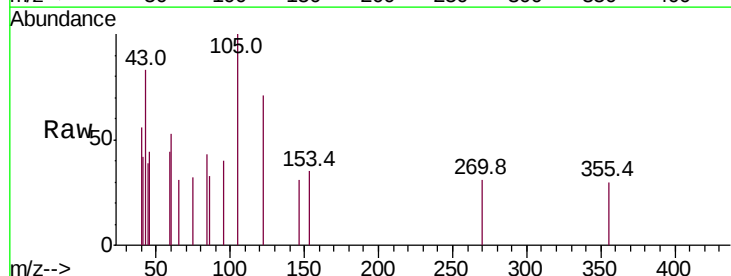


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

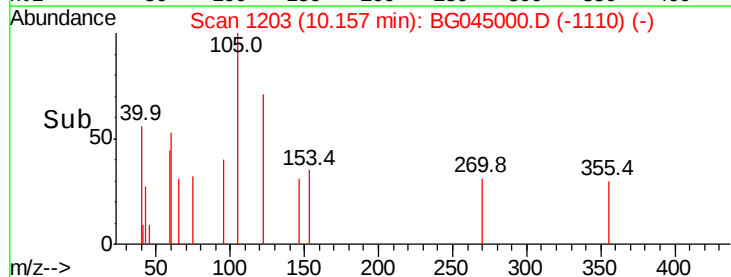
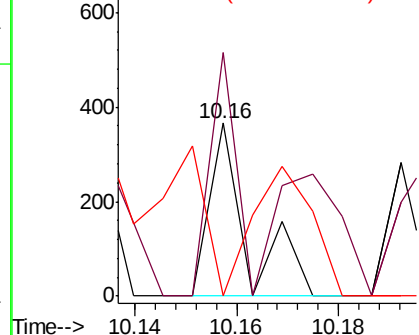


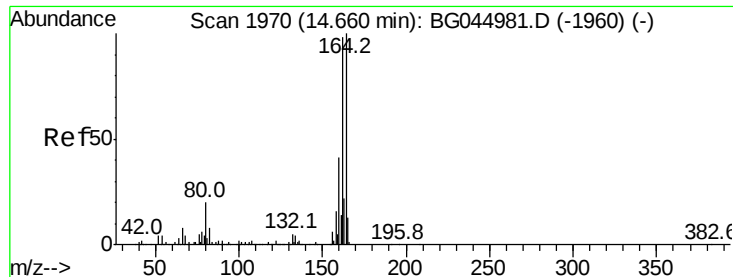
#32
Benzoic acid
Concen: 6.422 ng
RT: 10.16 min Scan# 1203
Delta R.T. 0.02 min
Lab File: BG045000.D
Acq: 16 Apr 2020 2:55

Tgt Ion: 122 Resp: 185
Ion Ratio Lower Upper
122 100
105 140.7 108.4 148.4
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: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

Instrument :

BNA_G

ClientSampleId :

B-2

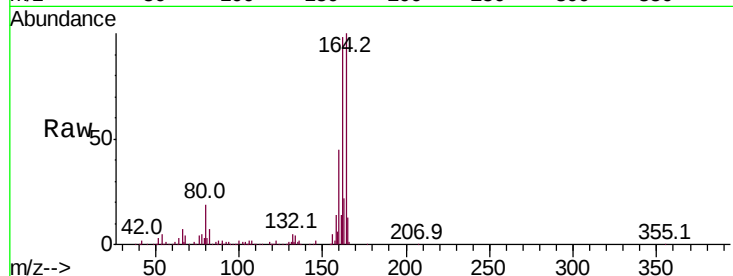
Tot Ion:164 Resp: 212292

Ion Ratio Lower Upper

164 100

162 98.5 78.7 118.1

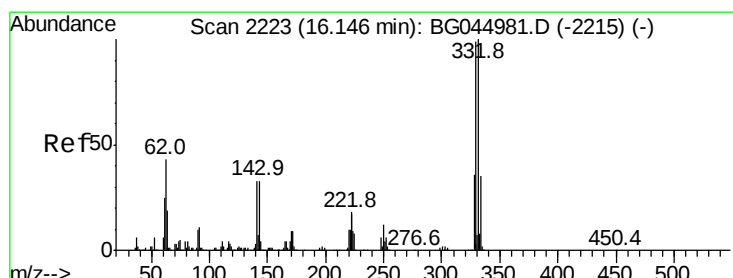
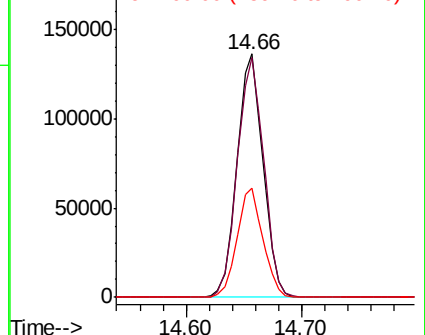
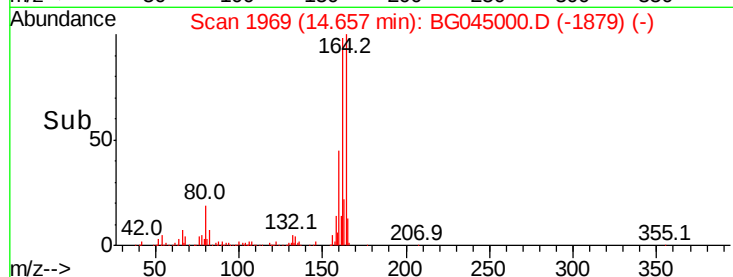
160 44.9 32.8 49.2



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: 170.004 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

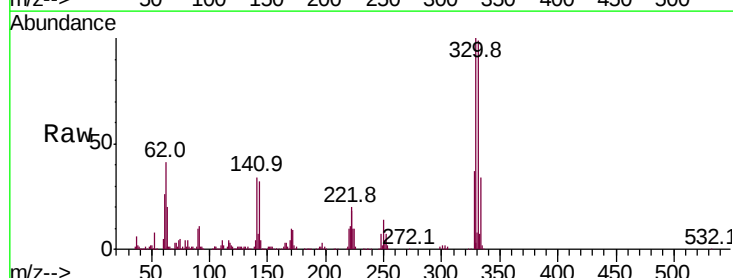
Tgt Ion:330 Resp: 557552

Ion Ratio Lower Upper

330 100

332 97.1 79.1 118.7

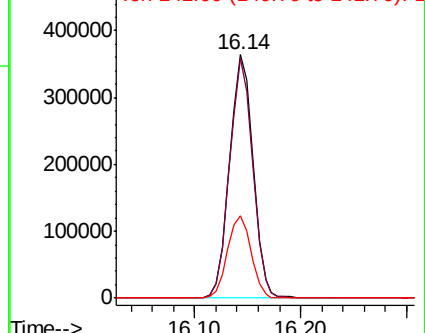
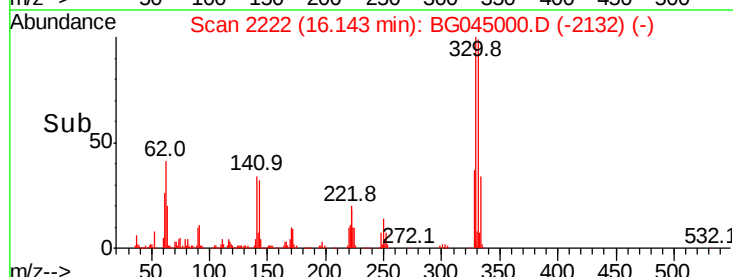
141 34.3 27.1 40.7

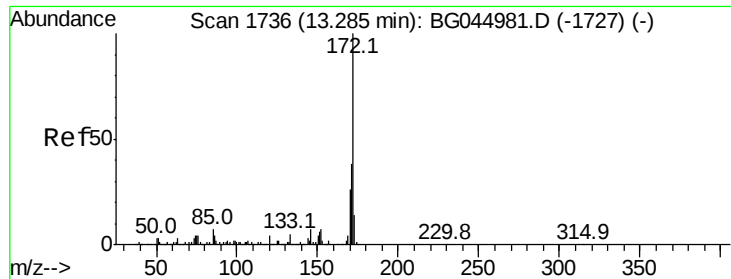


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 99.104 ng

RT: 13.28 min Scan# 1735

Delta R.T. -0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

Instrument :

BNA_G

ClientSampleId :

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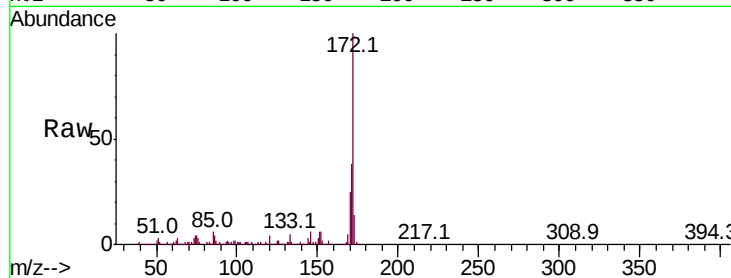
Tot Ion:172 Resp: 1434821

Ion Ratio Lower Upper

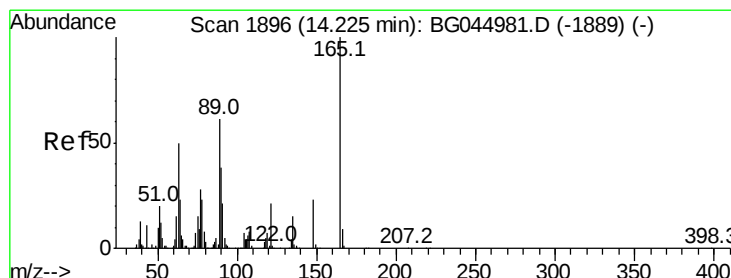
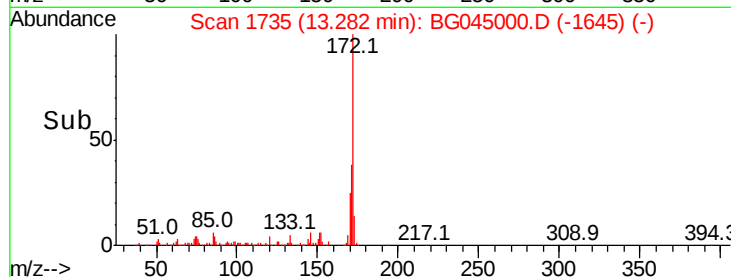
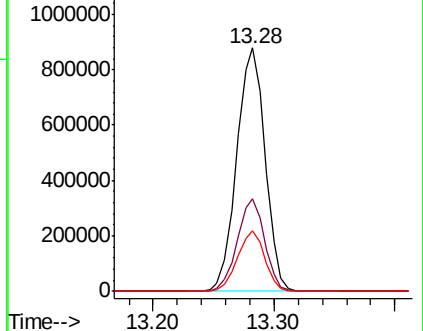
172 100

171 38.0 30.6 46.0

170 24.9 20.5 30.7



Abundance Ion 172.00 (171.70 to 172.70): E
1200000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



#51

2,6-Dinitrotoluene

Concen: 7.156 ng

RT: 14.66 min Scan# 1969

Delta R.T. 0.43 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

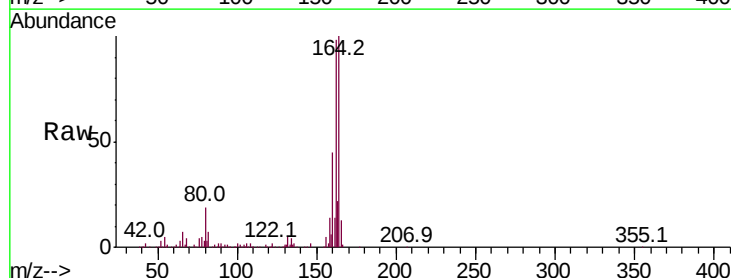
Tgt Ion:165 Resp: 27668

Ion Ratio Lower Upper

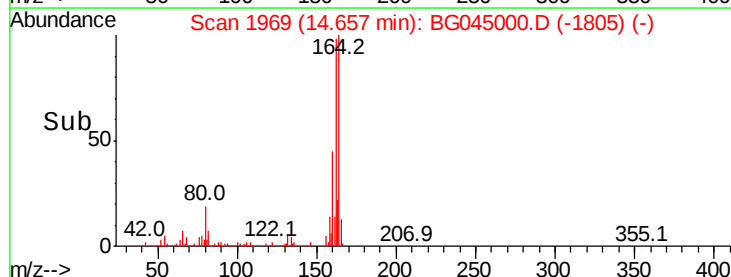
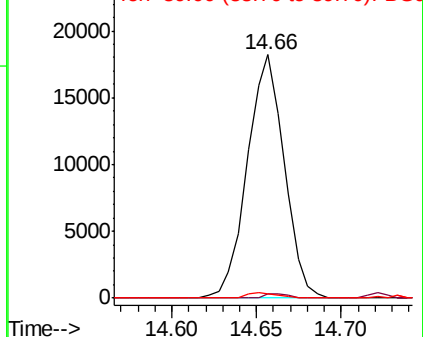
165 100

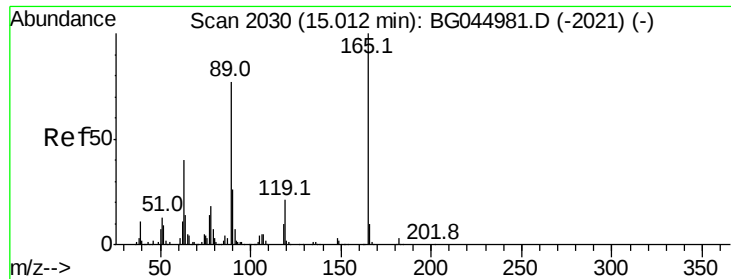
63 1.5 40.4 60.6#

89 1.8 49.1 73.7#



Abundance Ion 165.00 (164.70 to 165.70): E
25000
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG





#57

2,4-Dinitrotoluene

Concen: 4.897 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

Instrument :

BNA_G

ClientSampled :

B-2

Tot Ion:165 Resp: 27668

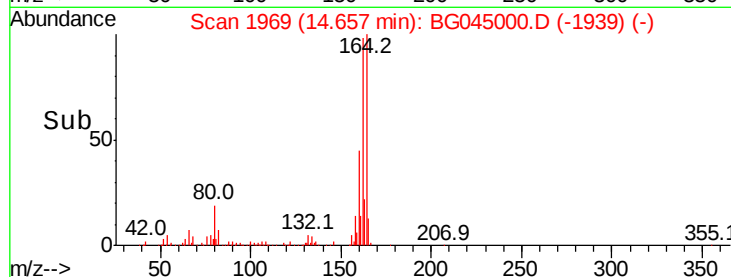
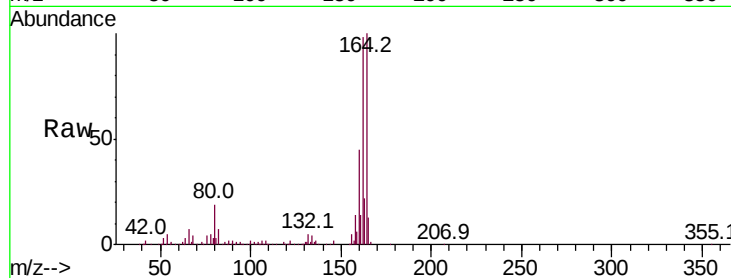
Ion Ratio Lower Upper

165 100

63 1.5 32.2 48.2#

89 1.8 61.7 92.5#

182 0.0 2.0 3.0#

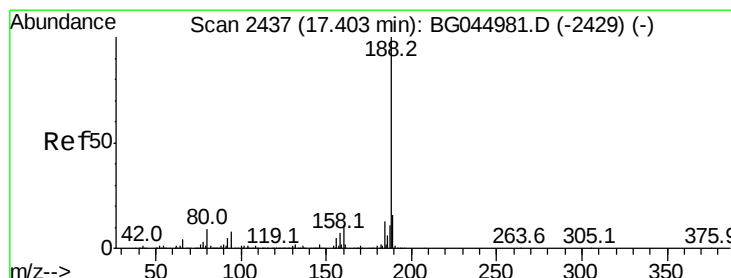
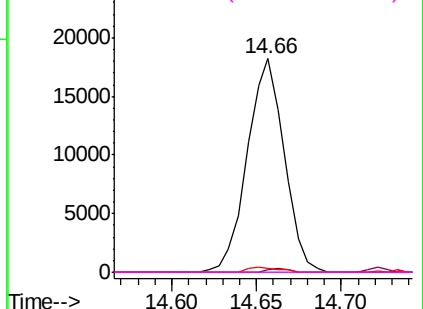


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

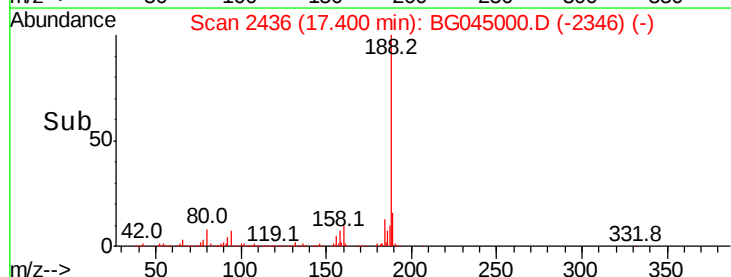
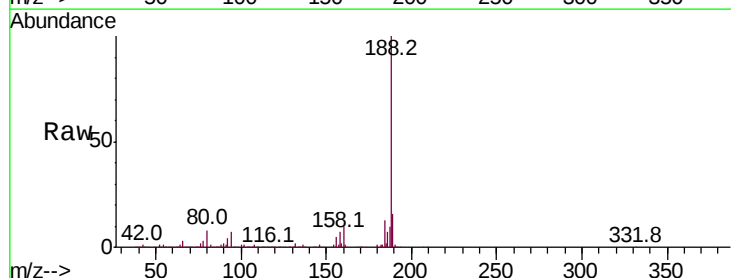
Tgt Ion:188 Resp: 561992

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.4

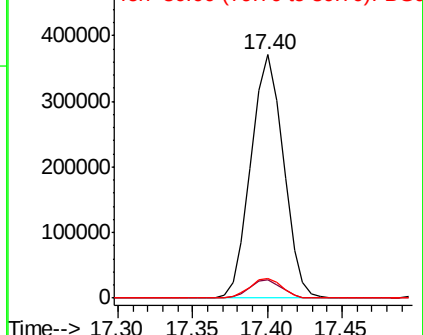
80 8.3 7.0 10.6

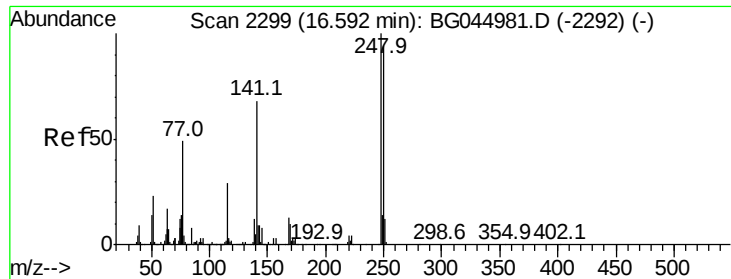


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

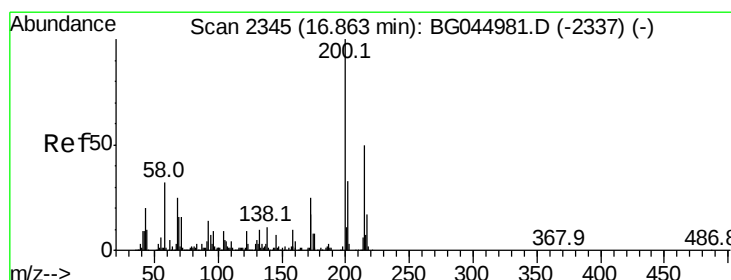
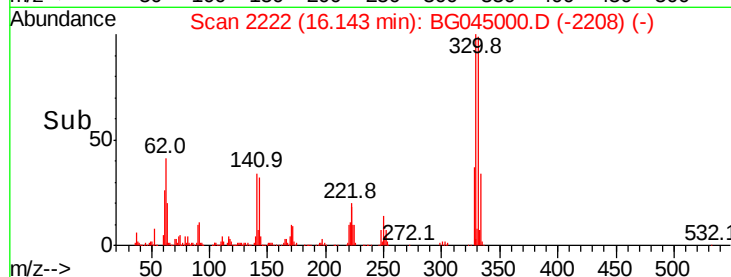
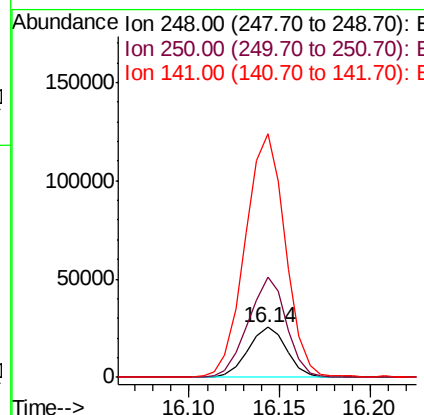
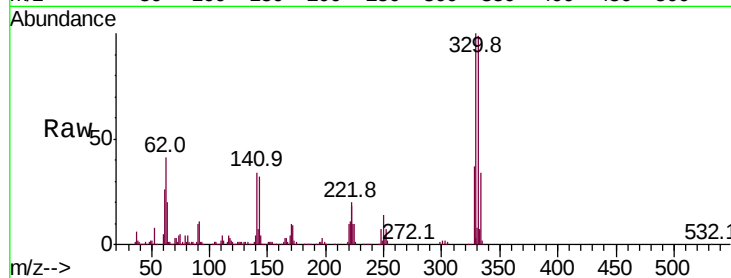




#67
 4-Bromophenyl-phenylether
 Concen: 5.189 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.45 min
 Lab File: BG045000.D
 Acq: 16 Apr 2020 2:55

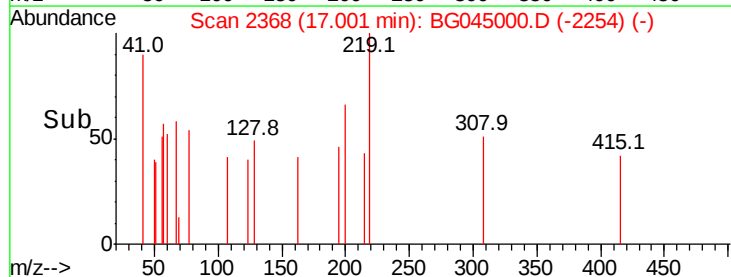
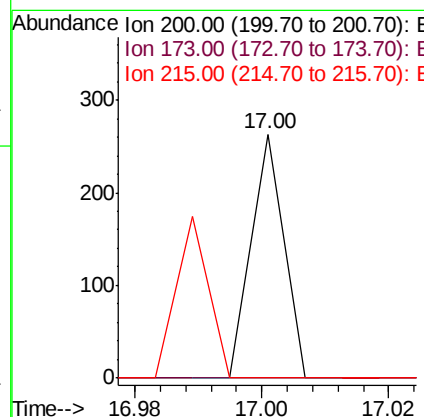
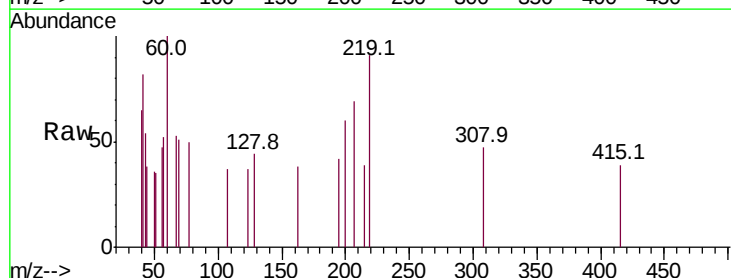
Instrument :
 BNA_G
 ClientSampleId :
 B-2

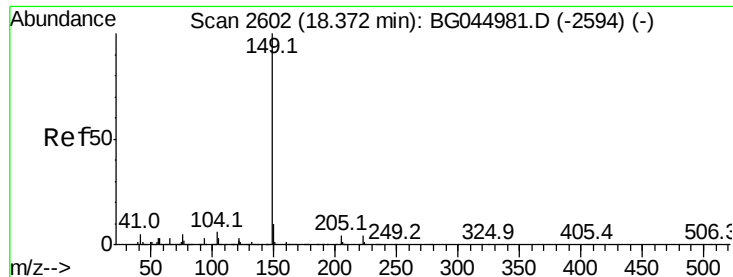
Tot Ion:248 Resp: 37622
 Ion Ratio Lower Upper
 248 100
 250 201.8 75.4 113.2#
 141 489.5 54.4 81.6#



#69
 Atrazine
 Concen: Below Cal
 RT: 17.00 min Scan# 2368
 Delta R.T. 0.14 min
 Lab File: BG045000.D
 Acq: 16 Apr 2020 2:55

Tgt Ion:200 Resp: 93
 Ion Ratio Lower Upper
 200 100
 173 0.0 4.5 44.5#
 215 0.0 30.0 70.0#

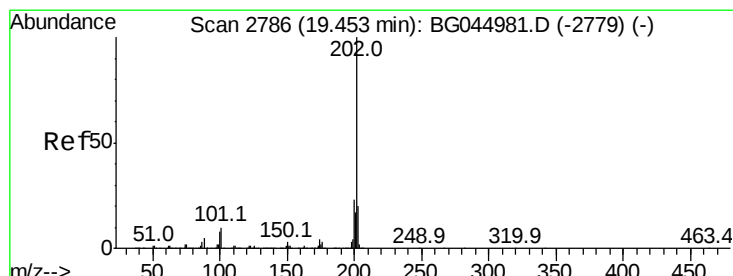
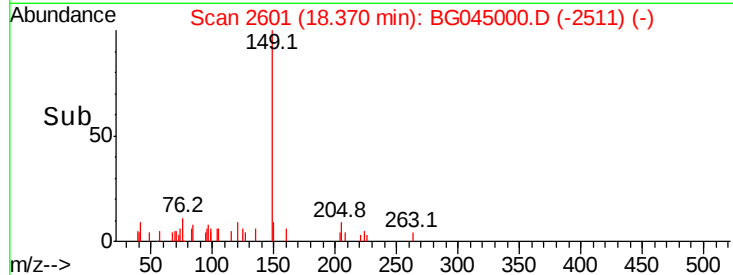
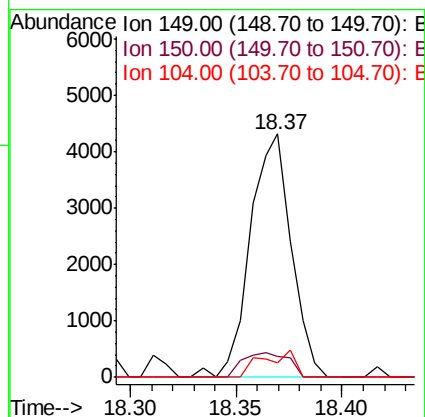
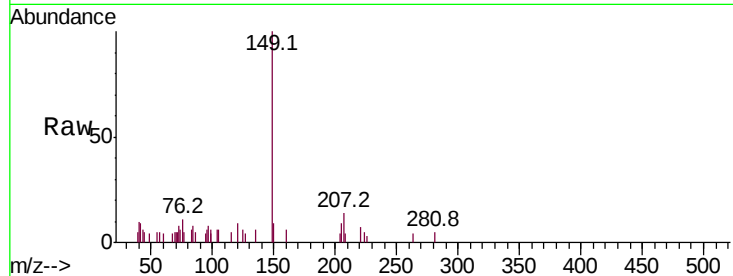




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.37 min Scan# 2601
Delta R.T. -0.00 min
Lab File: BG045000.D
Acq: 16 Apr 2020 2:55

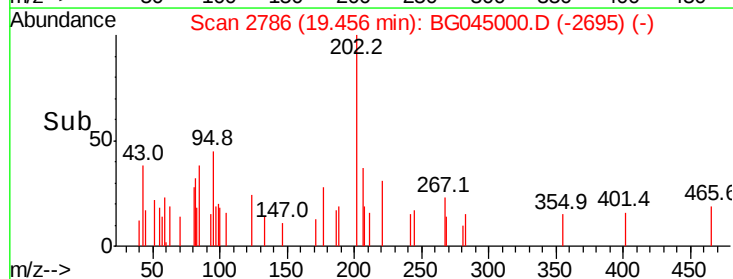
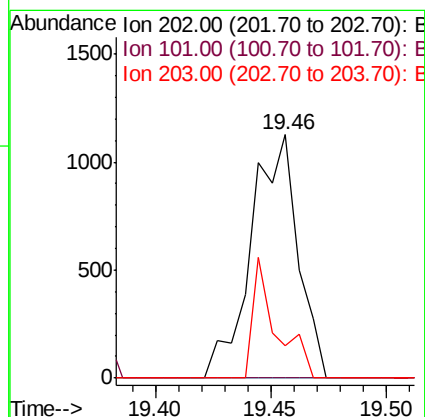
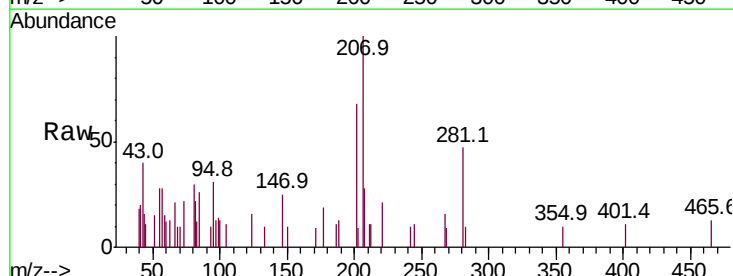
Instrument :
BNA_G
ClientSampleId :
B-2

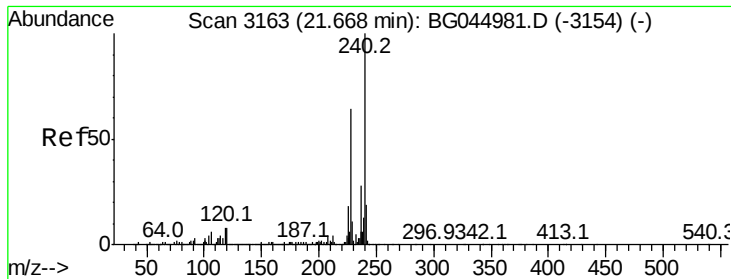
Tot Ion	Ratio	Lower	Upper
149	100		
150	8.8	8.2	12.2
104	6.2	4.8	7.2



#75
Fluoranthene
Concen: Below Cal
RT: 19.46 min Scan# 2786
Delta R.T. 0.00 min
Lab File: BG045000.D
Acq: 16 Apr 2020 2:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	13.5	0.0	39.7

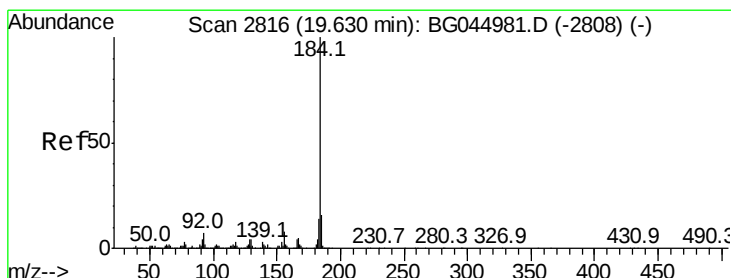
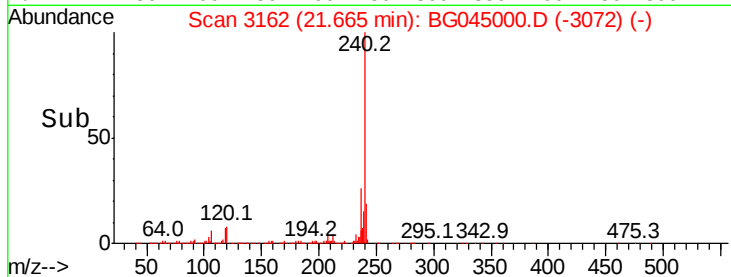
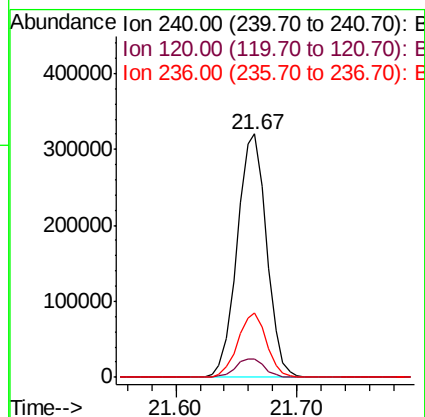
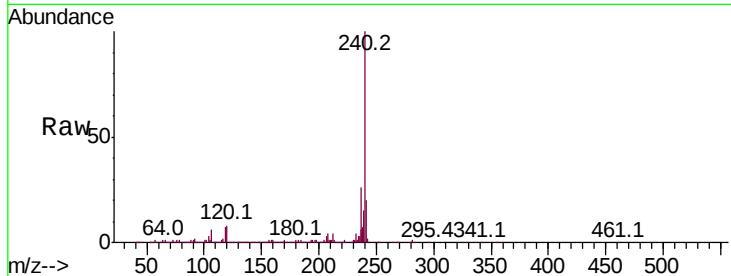




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.67 min Scan# 3162
 Delta R.T. -0.00 min
 Lab File: BG045000.D
 Acq: 16 Apr 2020 2:55

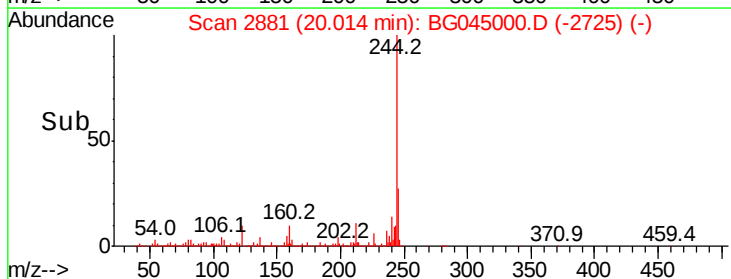
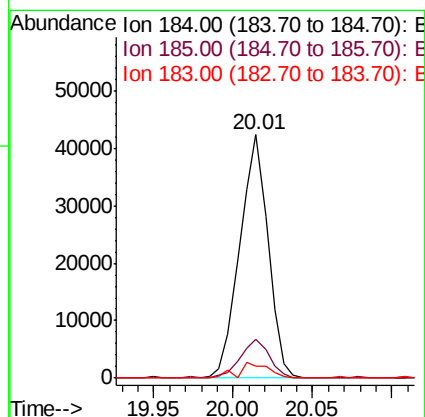
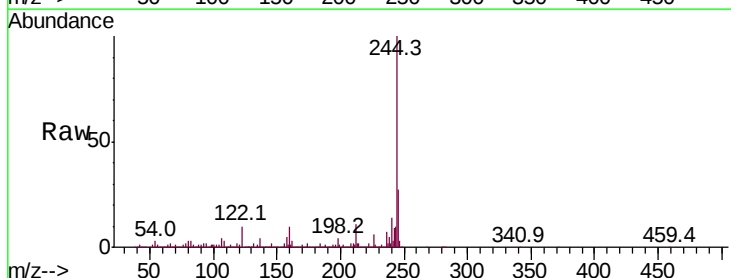
Instrument :
 BNA_G
 ClientSampleId :
 B-2

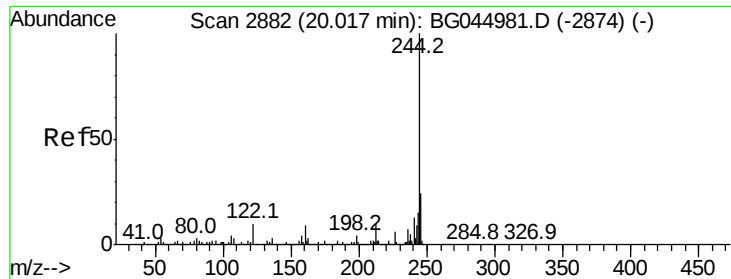
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.6	10.0
236	26.4	22.2	33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 20.01 min Scan# 2881
 Delta R.T. 0.39 min
 Lab File: BG045000.D
 Acq: 16 Apr 2020 2:55

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.1	12.6	19.0
183	5.2	11.3	16.9





#79

Terphenyl-d14

Concen: 104.884 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

Instrument :

BNA_G

ClientSampleId :

B-2

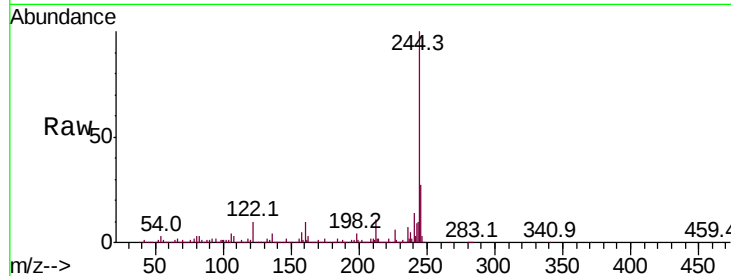
Tot Ion:244 Resp: 2617547

Ion Ratio Lower Upper

244 100

212 11.1 7.9 11.9

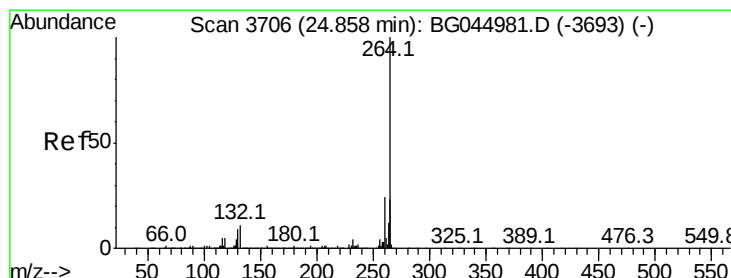
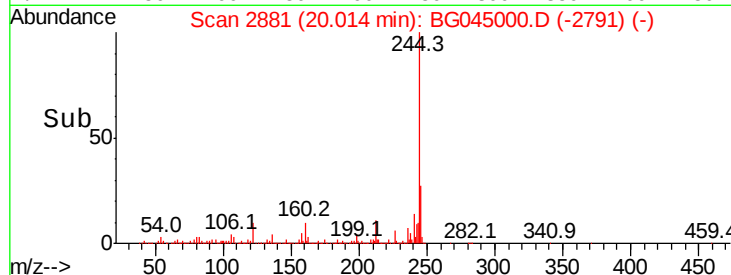
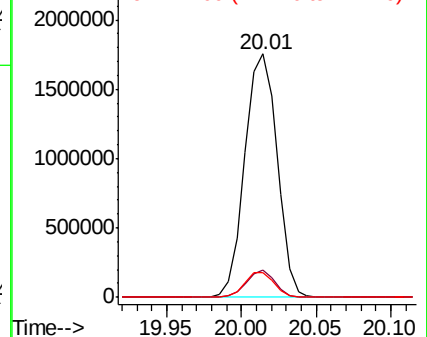
122 10.3 7.7 11.5



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. -0.01 min

Lab File: BG045000.D

Acq: 16 Apr 2020 2:55

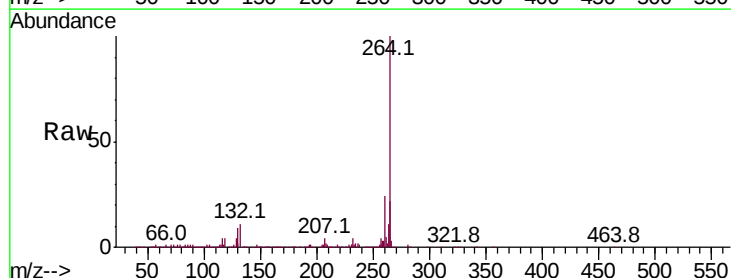
Tgt Ion:264 Resp: 581843

Ion Ratio Lower Upper

264 100

260 23.5 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

