

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051120\
 Data File : BG045295.D
 Acq On : 11 May 2020 14:04
 Operator : CG/JU
 Sample : PB128752TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128752BL

Quant Time: May 11 14:45:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	59295	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	230449	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	161050	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	379472	20.00	ng	0.00
76) Chrysene-d12	21.63	240	413806	20.00	ng	-0.01
87) Perylene-d12	24.79	264	452641	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	476190	132.59	ng	0.00
7) Phenol-d6	7.14	99	641497	120.22	ng	0.00
23) Nitrobenzene-d5	9.13	82	442092	87.53	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	307439	123.57	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1013307	92.26	ng	0.00
79) Terphenyl-d14	19.98	244	1867535	98.37	ng	0.00

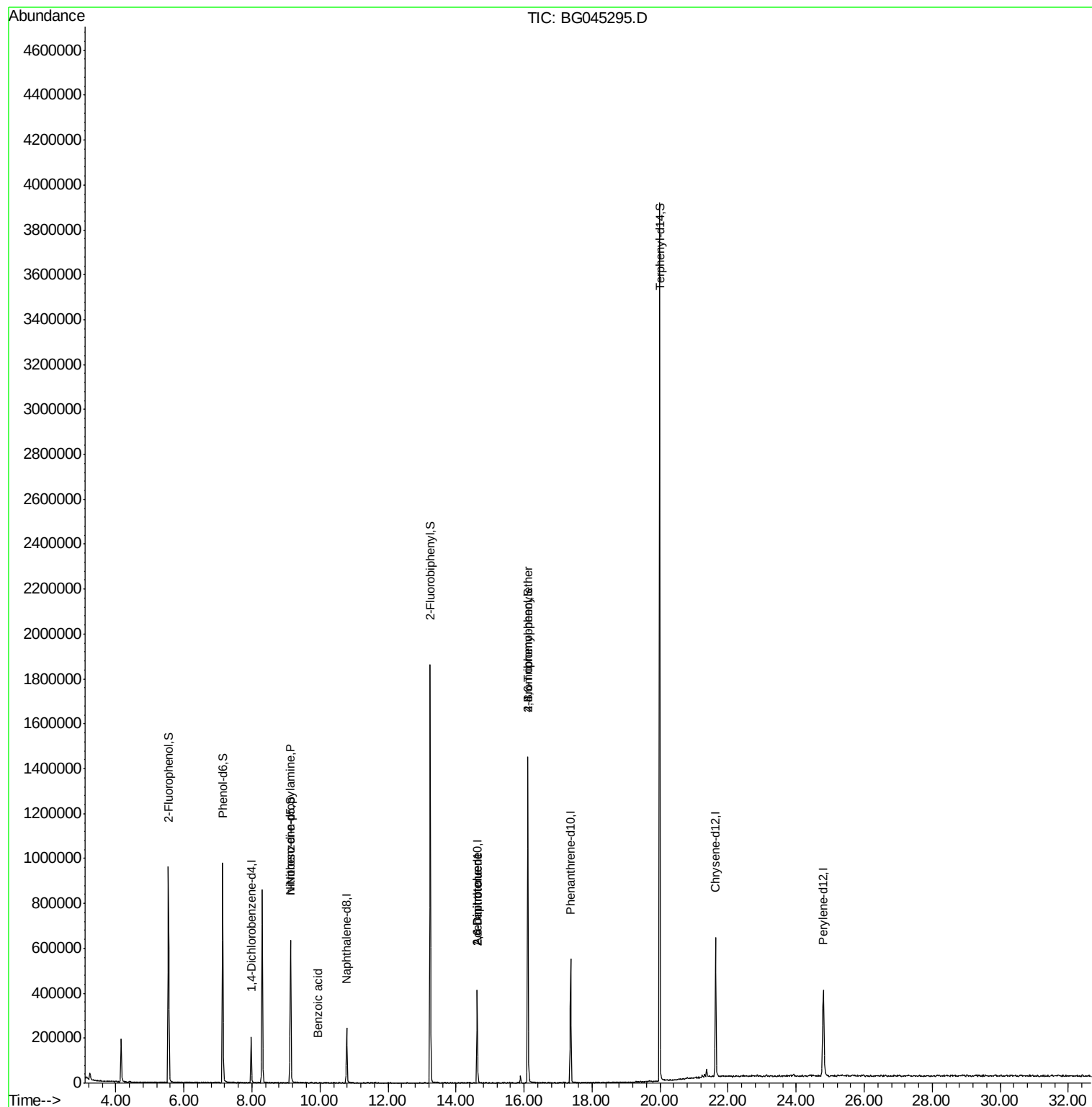
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	1219	Below Cal	#	18
19) n-Nitroso-di-n-propylamine	9.13	70	60596	16.057	ng	# 79
32) Benzoic acid	9.93	122	61	6.392	ng	# 1
51) 2,6-Dinitrotoluene	14.62	165	20976	7.151	ng	# 25
57) 2,4-Dinitrotoluene	14.62	165	20976	4.894	ng	# 23
67) 4-Bromophenyl-phenylether	16.11	248	20943	4.278	ng	# 1
74) Di-n-butylphthalate	18.33	149	144	Below Cal	#	76
75) Fluoranthene	19.53	202	78	Below Cal	#	62
77) Benzidine	19.98	184	36094	Below Cal	#	87

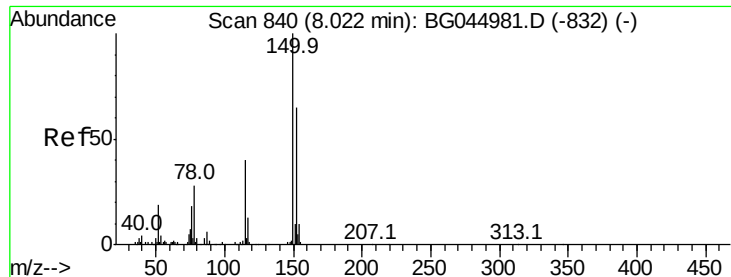
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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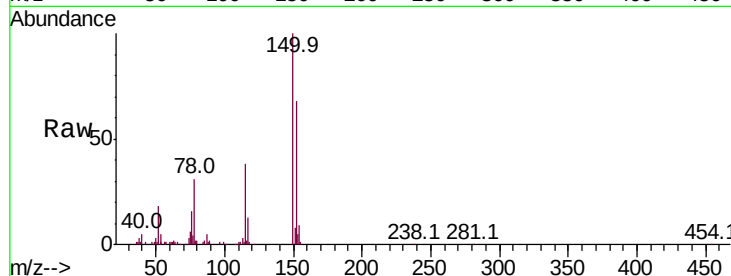


#1

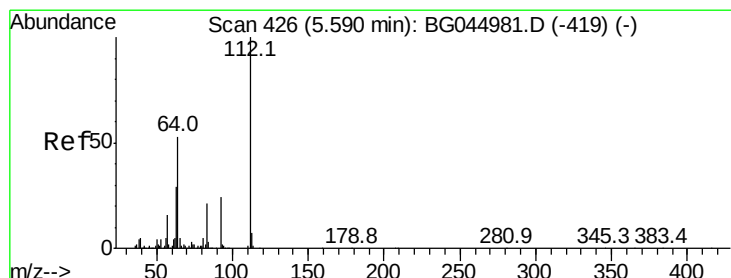
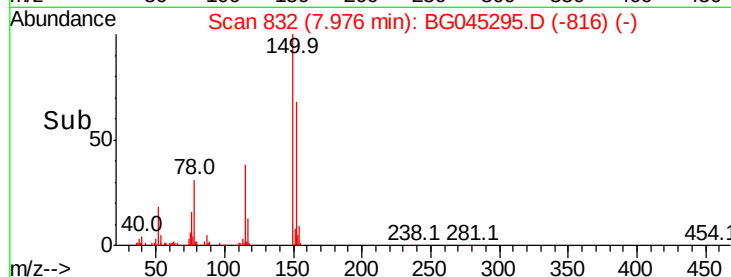
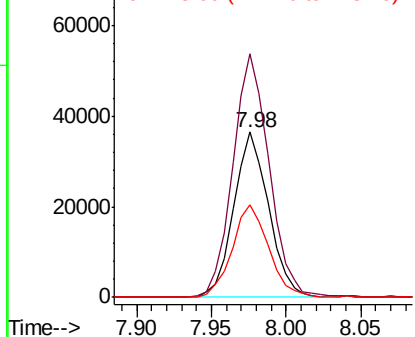
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BG045295.D
Acq: 11 May 2020 14:04

Instrument :
BNA_G
ClientSampleId :
PB128752BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.2	123.6	185.4
115	56.1	49.1	73.7



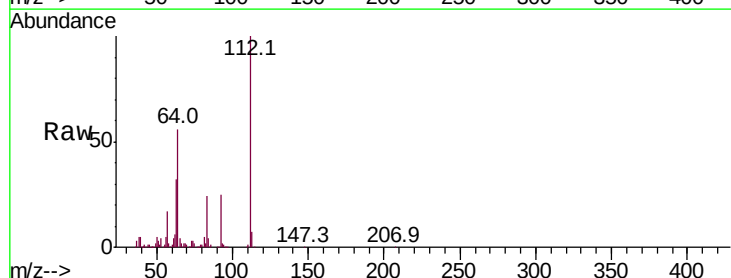
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



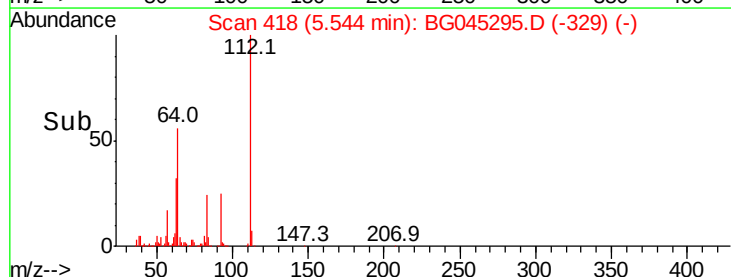
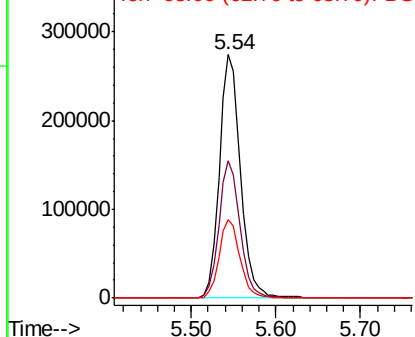
#5

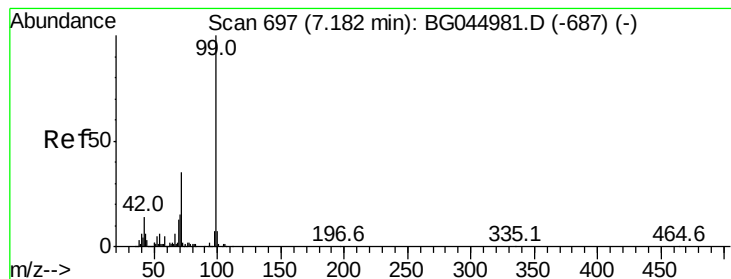
2-Fluorophenol
Concen: 132.585 ng
RT: 5.54 min Scan# 418
Delta R.T. -0.01 min
Lab File: BG045295.D
Acq: 11 May 2020 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 120.216 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Instrument :

BNA_G

ClientSampleId :

PB128752BL

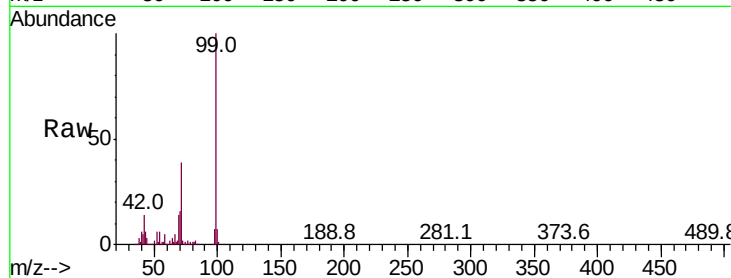
Tot Ion: 99 Resp: 641497

Ion Ratio Lower Upper

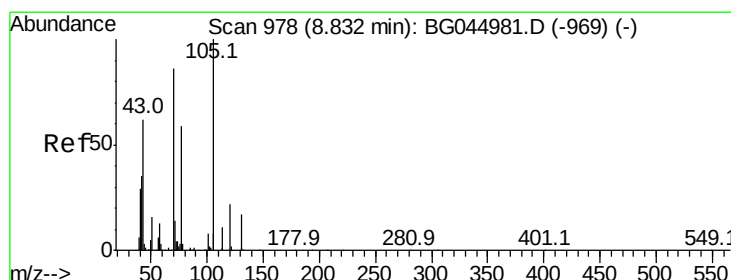
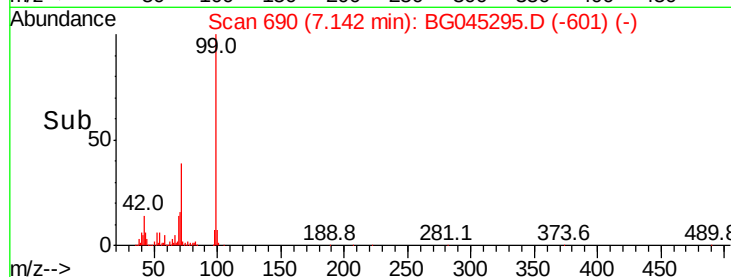
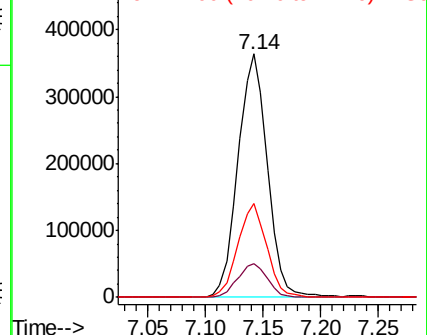
99 100

42 13.8 11.3 16.9

71 38.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.057 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Tgt Ion: 70 Resp: 60596

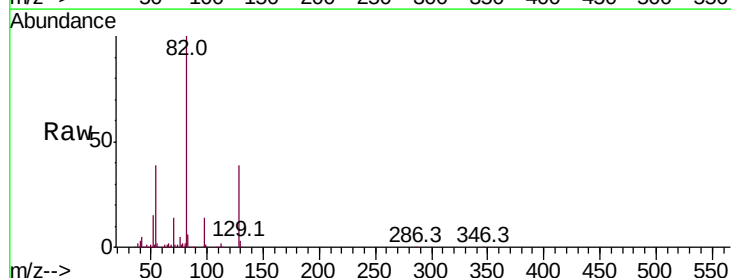
Ion Ratio Lower Upper

70 100

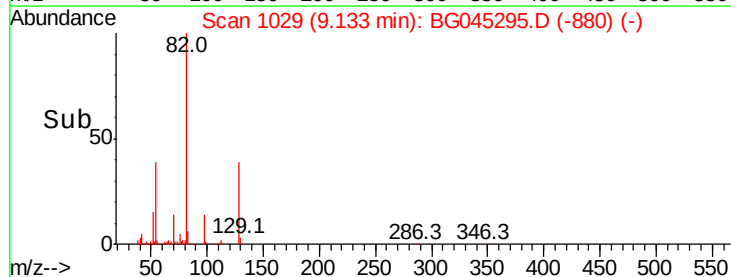
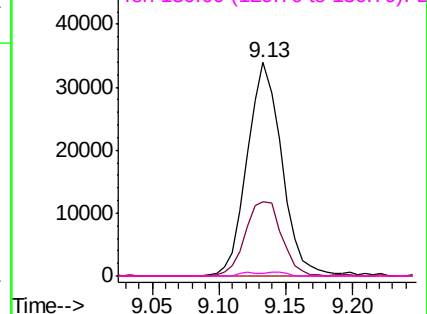
42 34.9 33.3 49.9

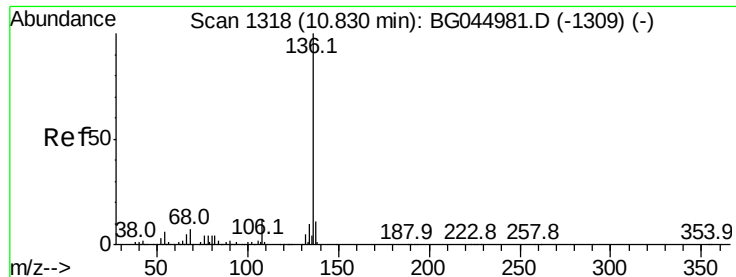
101 0.0 7.8 11.8#

130 1.4 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: 10.78 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Instrument :

BNA_G

ClientSampleId :

PB128752BL

Tot Ion:136 Resp: 230449

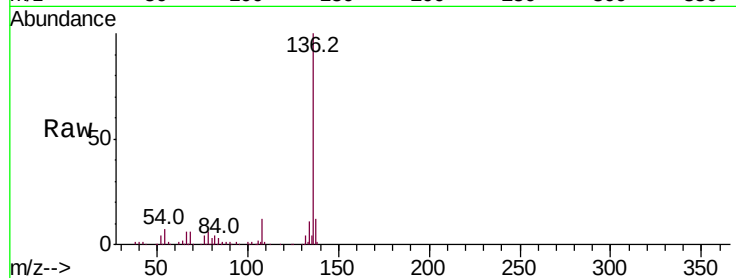
Ion Ratio Lower Upper

136 100

137 11.8 8.6 13.0

54 7.0 4.8 7.2

68 5.6 5.2 7.8

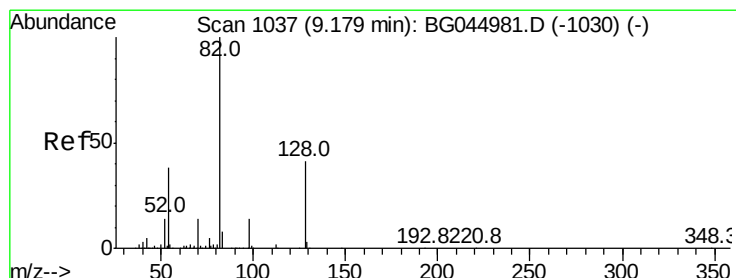
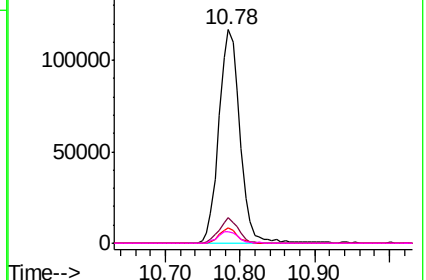
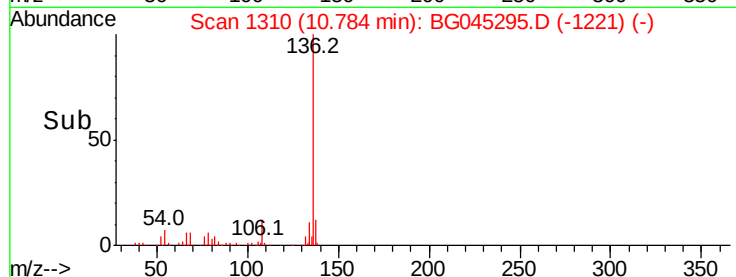


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 87.534 ng

RT: 9.13 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

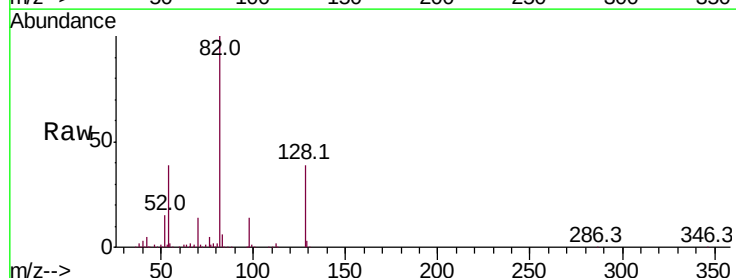
Tgt Ion: 82 Resp: 442092

Ion Ratio Lower Upper

82 100

128 39.3 33.0 49.4

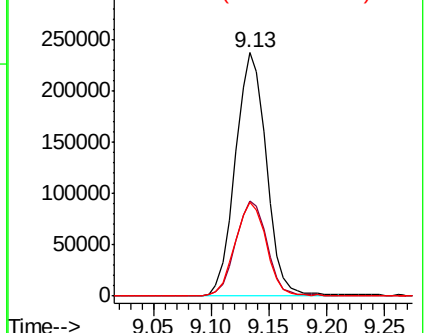
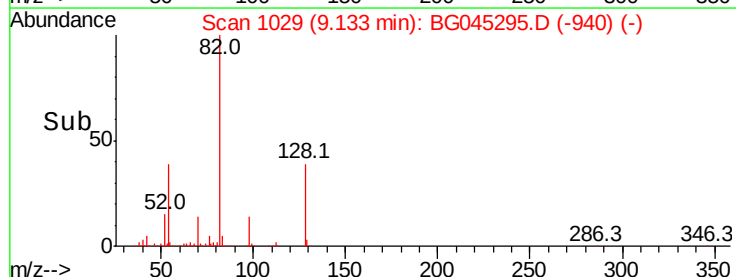
54 38.8 30.4 45.6

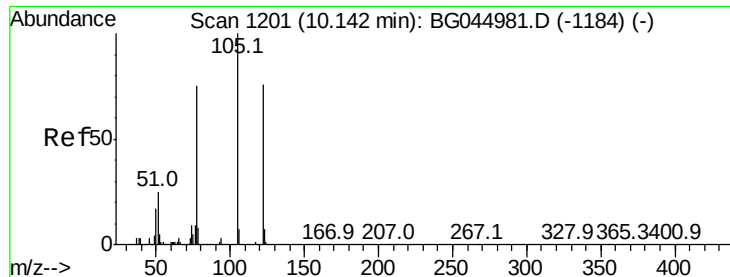


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

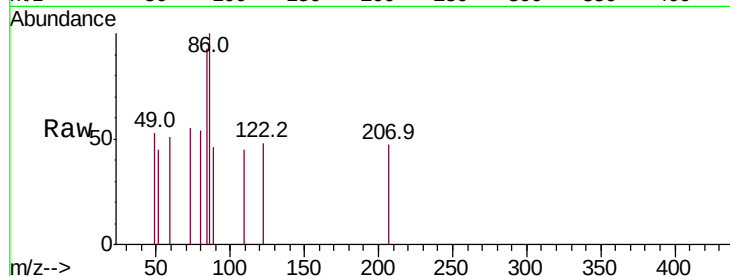




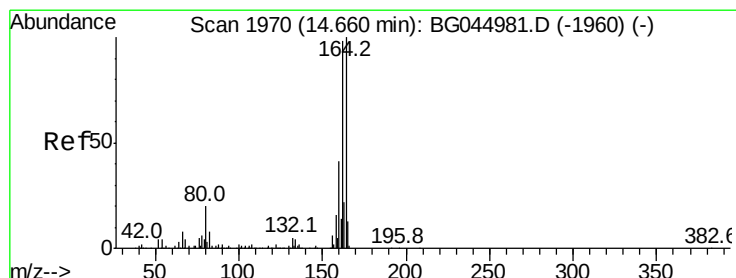
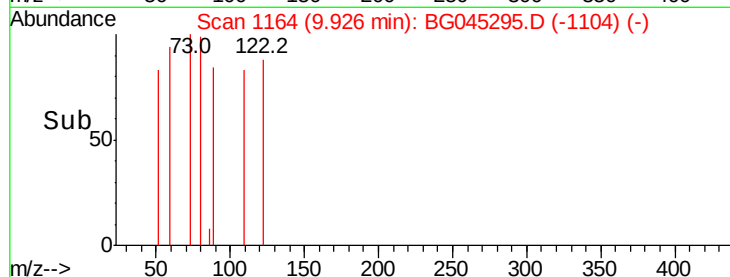
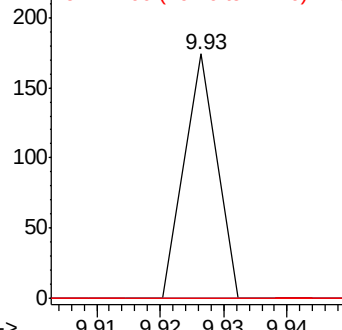
#32
Benzoic acid
Concen: 6.392 ng
RT: 9.93 min Scan# 1164
Delta R.T. -0.18 min
Lab File: BG045295.D
Acq: 11 May 2020 14:04

Instrument :
BNA_G
ClientSampleId :
PB128752BL

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

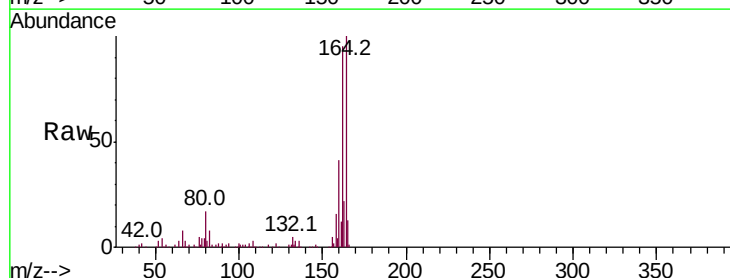


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

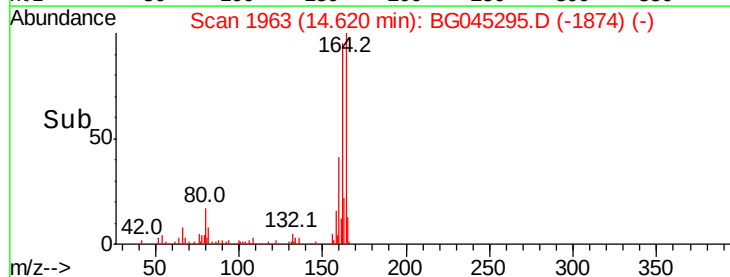
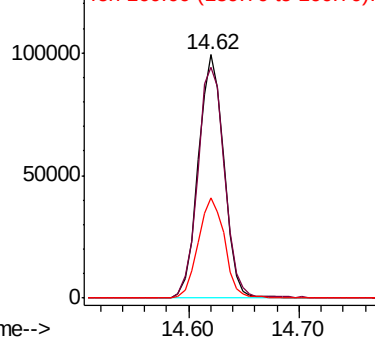


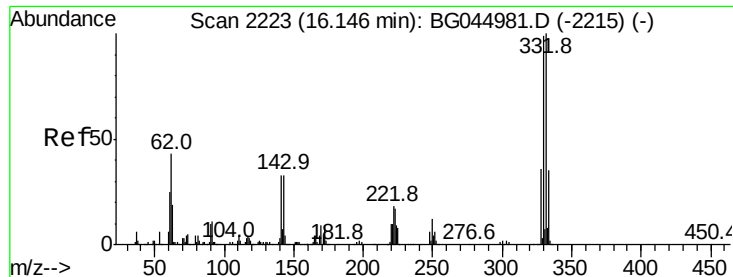
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BG045295.D
Acq: 11 May 2020 14:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.8	78.7	118.1
160	41.4	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

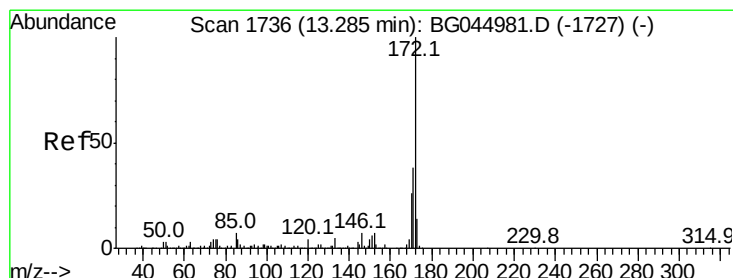
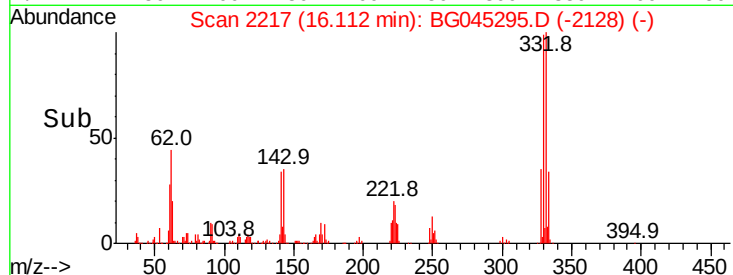
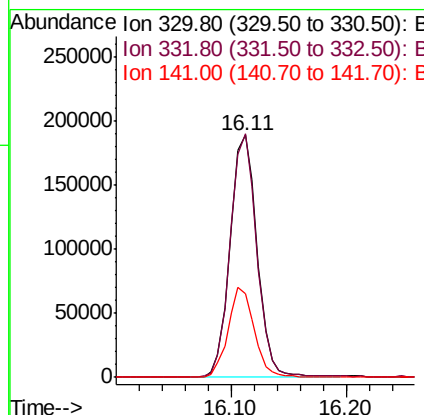
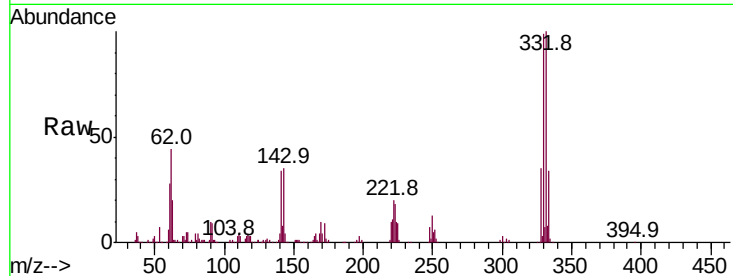




#42
 2,4,6-Tribromophenol
 Concen: 123.568 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045295.D
 Acq: 11 May 2020 14:04

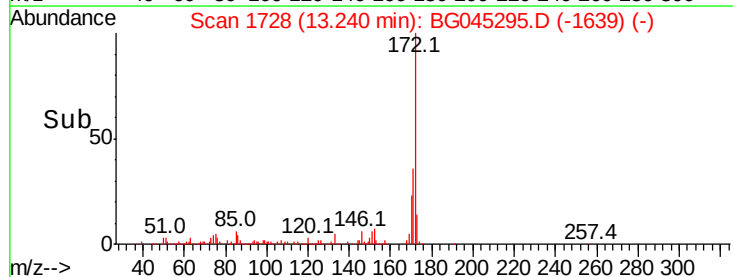
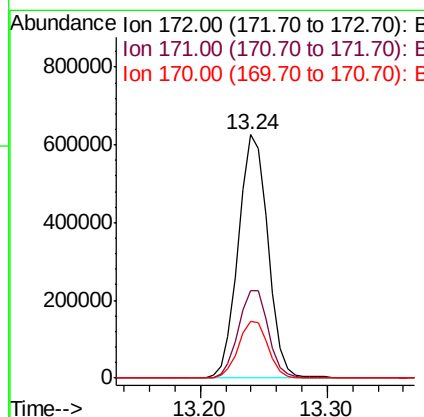
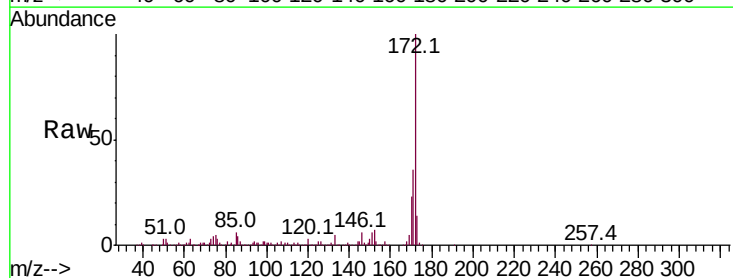
Instrument :
 BNA_G
 ClientSampleId :
 PB128752BL

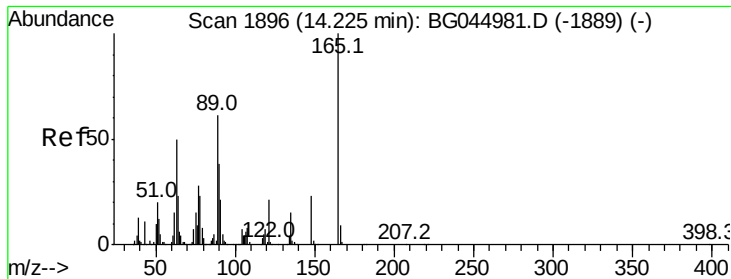
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	79.1	118.7
141	35.7	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 92.259 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG045295.D
 Acq: 11 May 2020 14:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.6	46.0
170	23.1	20.5	30.7





#51

2,6-Dinitrotoluene

Concen: 7.151 ng

RT: 14.62 min Scan# 1963

Delta R.T. 0.43 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Instrument :

BNA_G

ClientSampleId :

PB128752BL

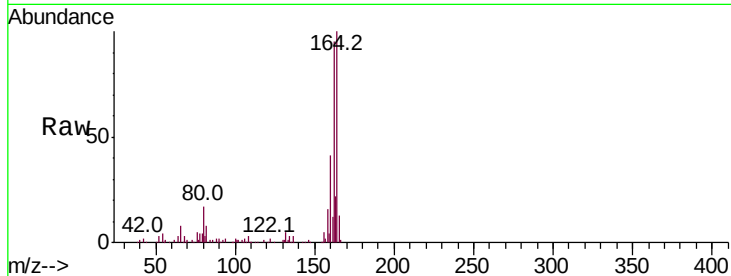
Tot Ion:165 Resp: 20976

Ion Ratio Lower Upper

165 100

63 0.0 40.4 60.6#

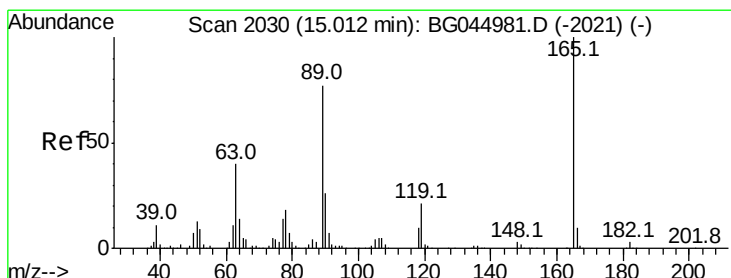
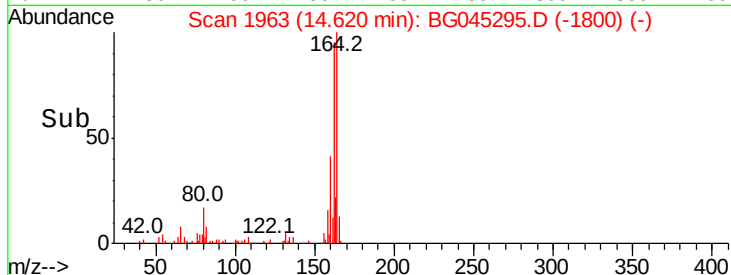
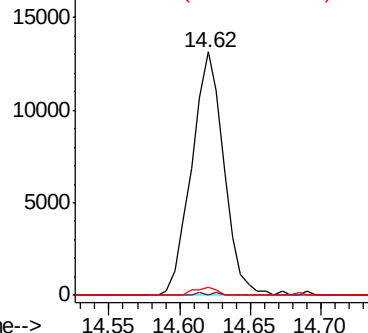
89 3.2 49.1 73.7#



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: 4.894 ng

RT: 14.62 min Scan# 1963

Delta R.T. -0.36 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Tgt Ion:165 Resp: 20976

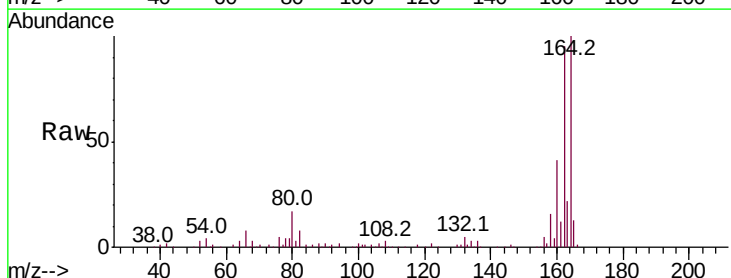
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 3.2 61.7 92.5#

182 0.0 2.0 3.0#

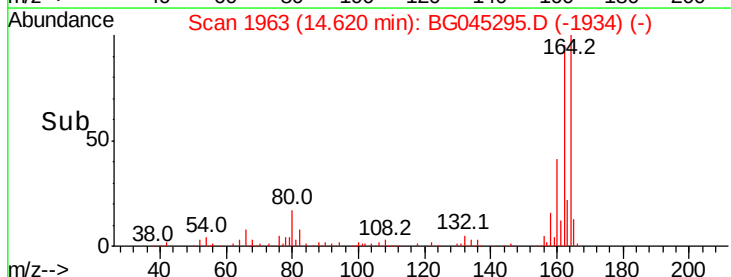
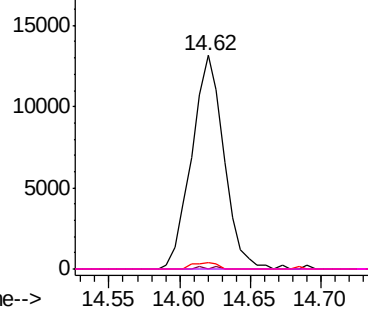


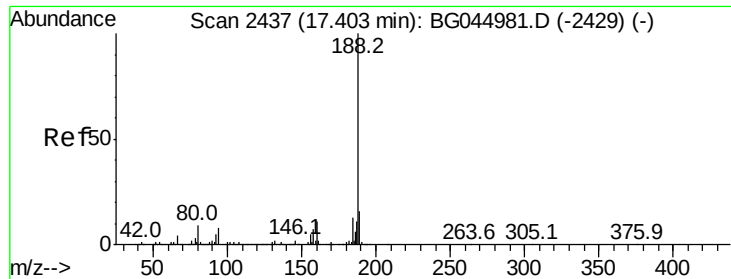
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2431

Delta R.T. 0.00 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Instrument :

BNA_G

ClientSampleId :

PB128752BL

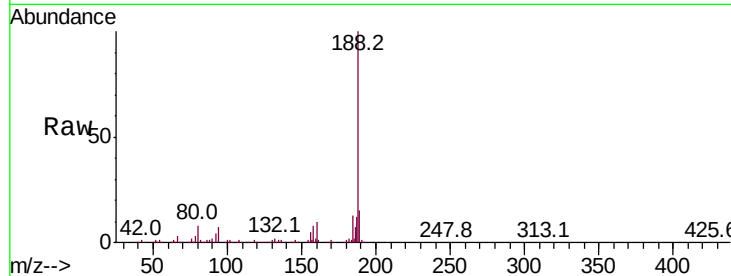
Tot Ion:188 Resp: 379472

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

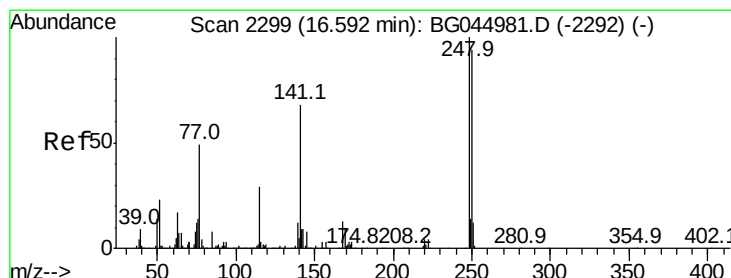
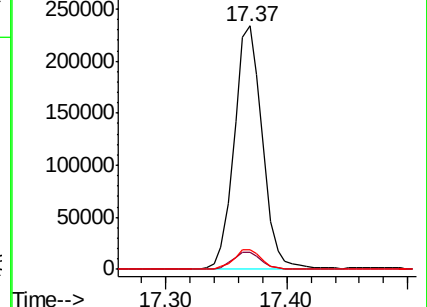
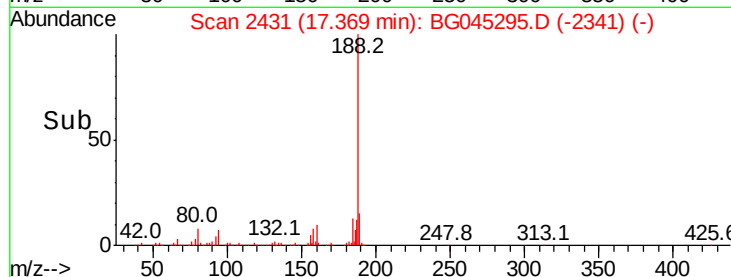
80 8.3 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 4.278 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

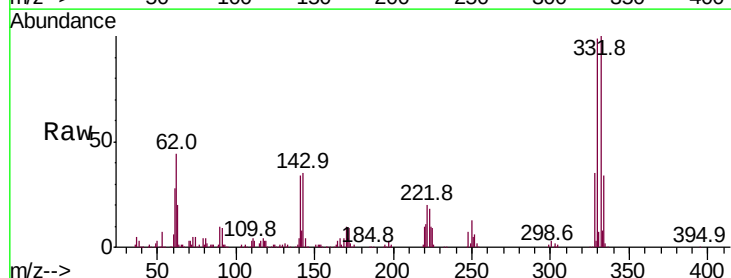
Tgt Ion:248 Resp: 20943

Ion Ratio Lower Upper

248 100

250 199.3 75.4 113.2#

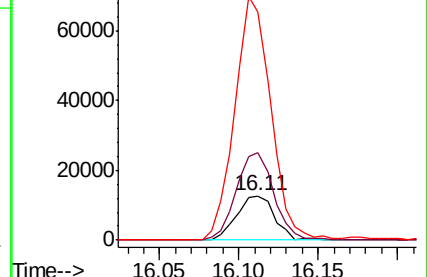
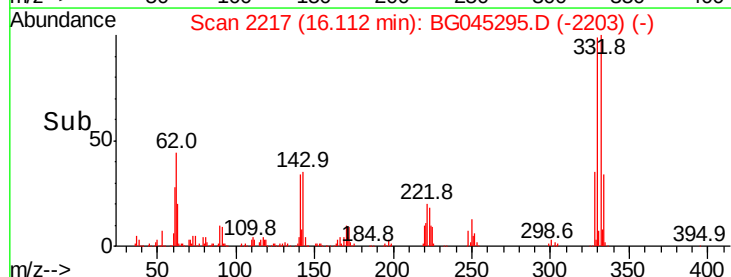
141 516.0 54.4 81.6#

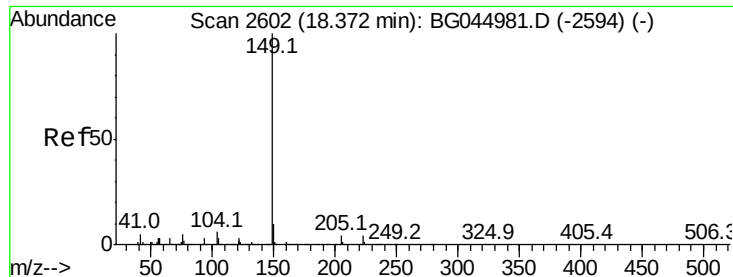


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Instrument :

BNA_G

ClientSampleId :

PB128752BL

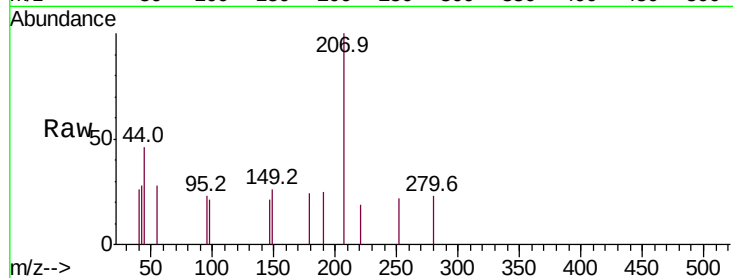
Tot Ion:149 Resp: 144

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

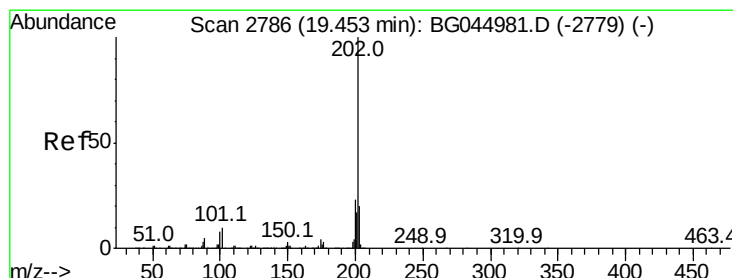
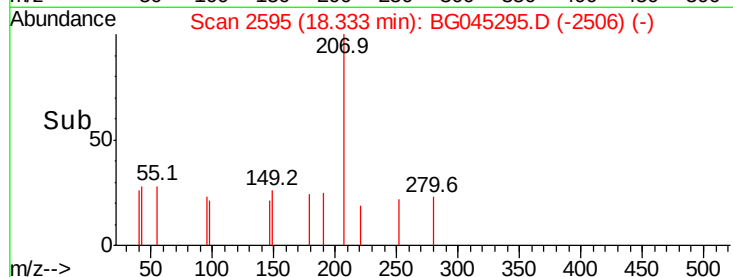
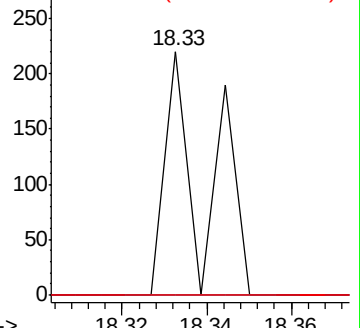
104 0.0 4.8 7.2#



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. 0.11 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

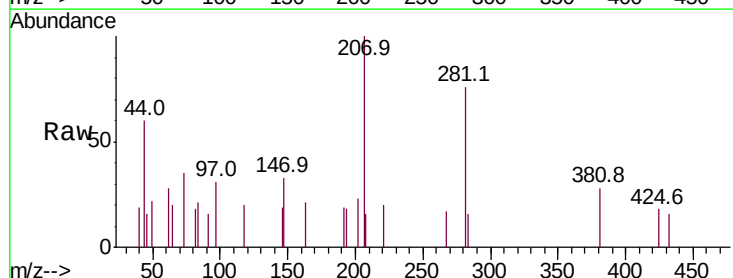
Tgt Ion:202 Resp: 78

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

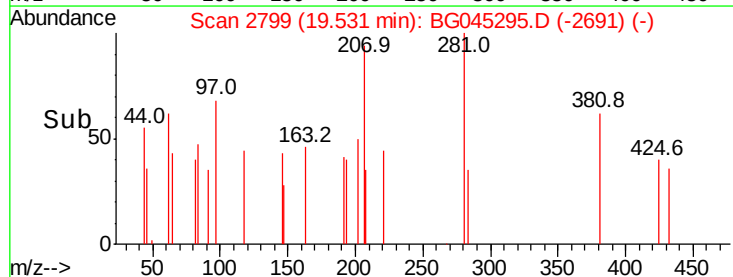
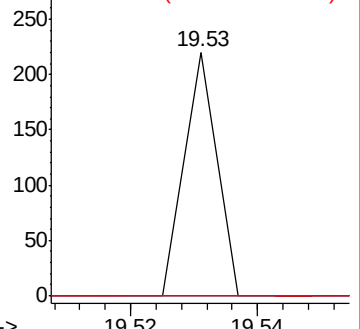
203 0.0 0.0 39.7

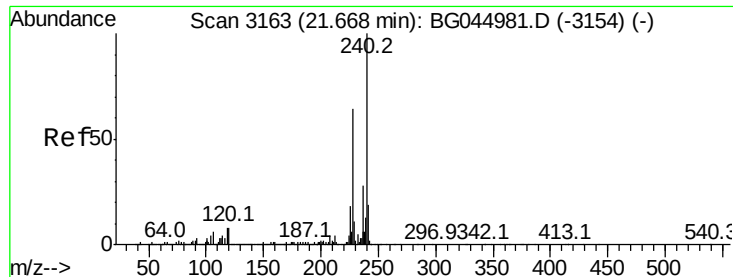


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Instrument :

BNA_G

ClientSampleId :

PB128752BL

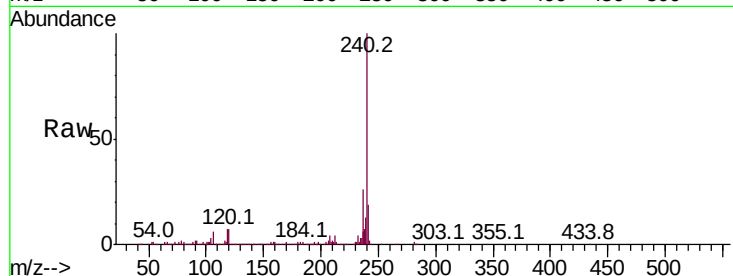
Tot Ion:240 Resp: 413806

Ion Ratio Lower Upper

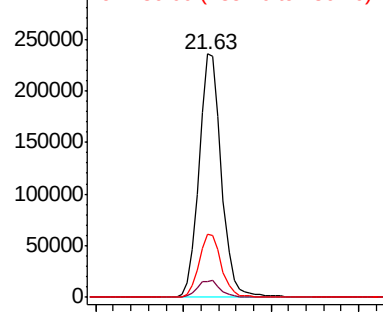
240 100

120 6.5 6.6 10.0#

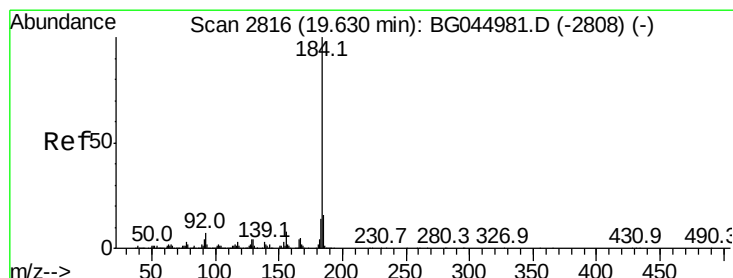
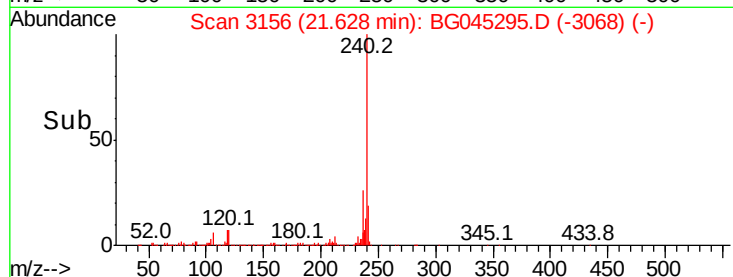
236 26.0 22.2 33.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time--> 21.50 21.60 21.70 21.80



#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2876

Delta R.T. 0.38 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

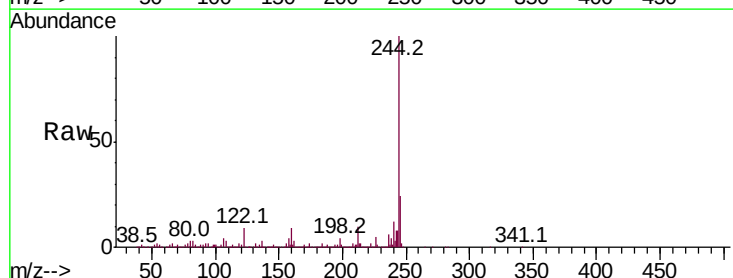
Tgt Ion:184 Resp: 36094

Ion Ratio Lower Upper

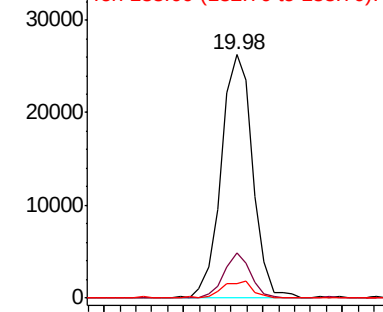
184 100

185 18.5 12.6 19.0

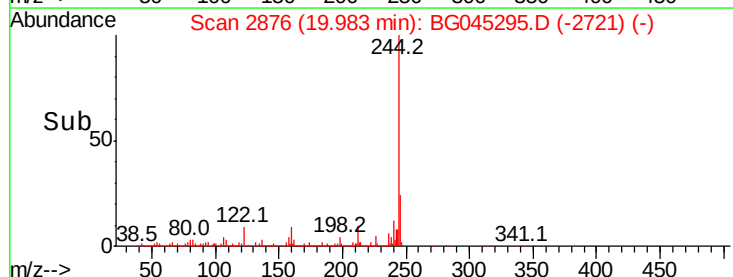
183 6.0 11.3 16.9#

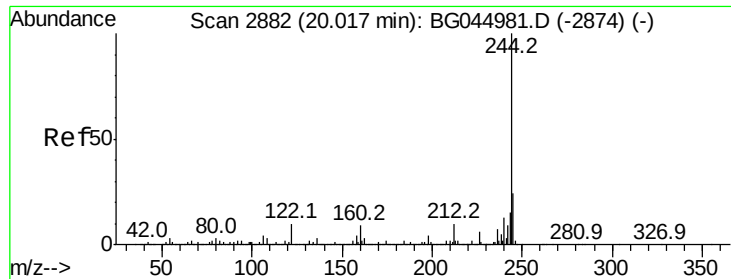


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time--> 19.90 19.95 20.00 20.05





#79

Terphenyl-d14

Concen: 98.365 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

Instrument :

BNA_G

ClientSampleId :

PB128752BL

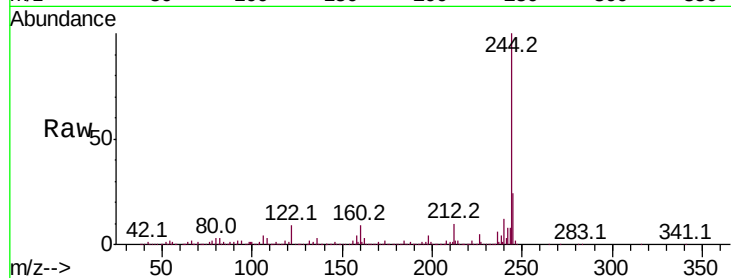
Tot Ion:244 Resp: 1867535

Ion Ratio Lower Upper

244 100

212 9.9 7.9 11.9

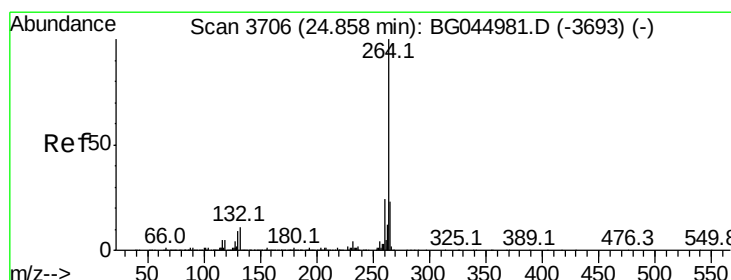
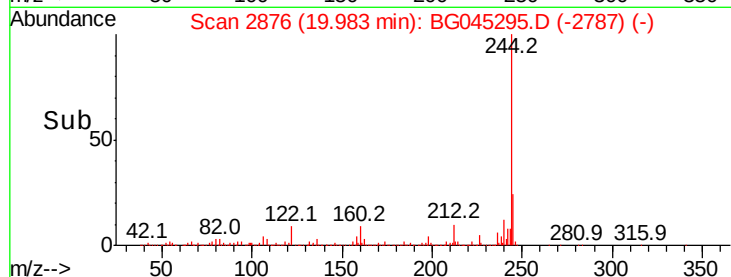
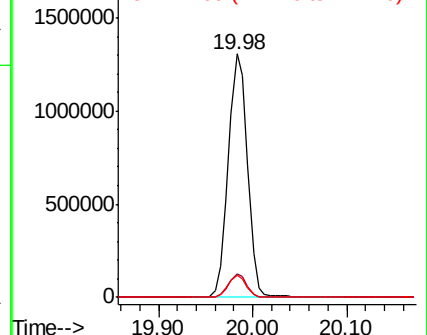
122 9.3 7.7 11.5



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: 24.79 min Scan# 3695

Delta R.T. -0.01 min

Lab File: BG045295.D

Acq: 11 May 2020 14:04

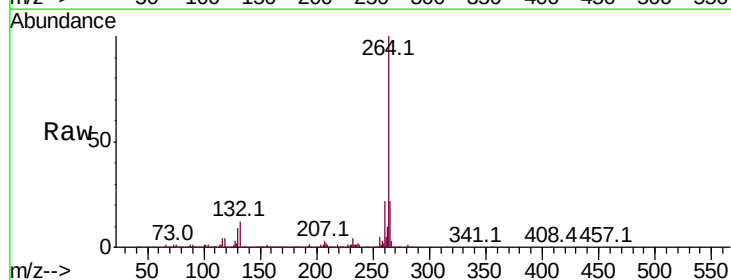
Tgt Ion:264 Resp: 452641

Ion Ratio Lower Upper

264 100

260 22.4 19.2 28.8

265 22.0 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

