

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042420\
 Data File : BG045160.D
 Acq On : 24 Apr 2020 14:22
 Operator : CG/JU
 Sample : PB128472BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128472BL

Quant Time: Apr 24 14:59:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 24 13:00:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	56664	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	217216	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	155364	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	364333	20.00	ng	0.00
76) Chrysene-d12	21.64	240	425872	20.00	ng	0.00
87) Perylene-d12	24.82	264	458164	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	494557	144.09	ng	0.00
7) Phenol-d6	7.16	99	659399	129.31	ng	0.00
23) Nitrobenzene-d5	9.16	82	463950	97.46	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	345089	143.78	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1057835	99.84	ng	0.00
79) Terphenyl-d14	20.00	244	2108654	107.92	ng	0.00

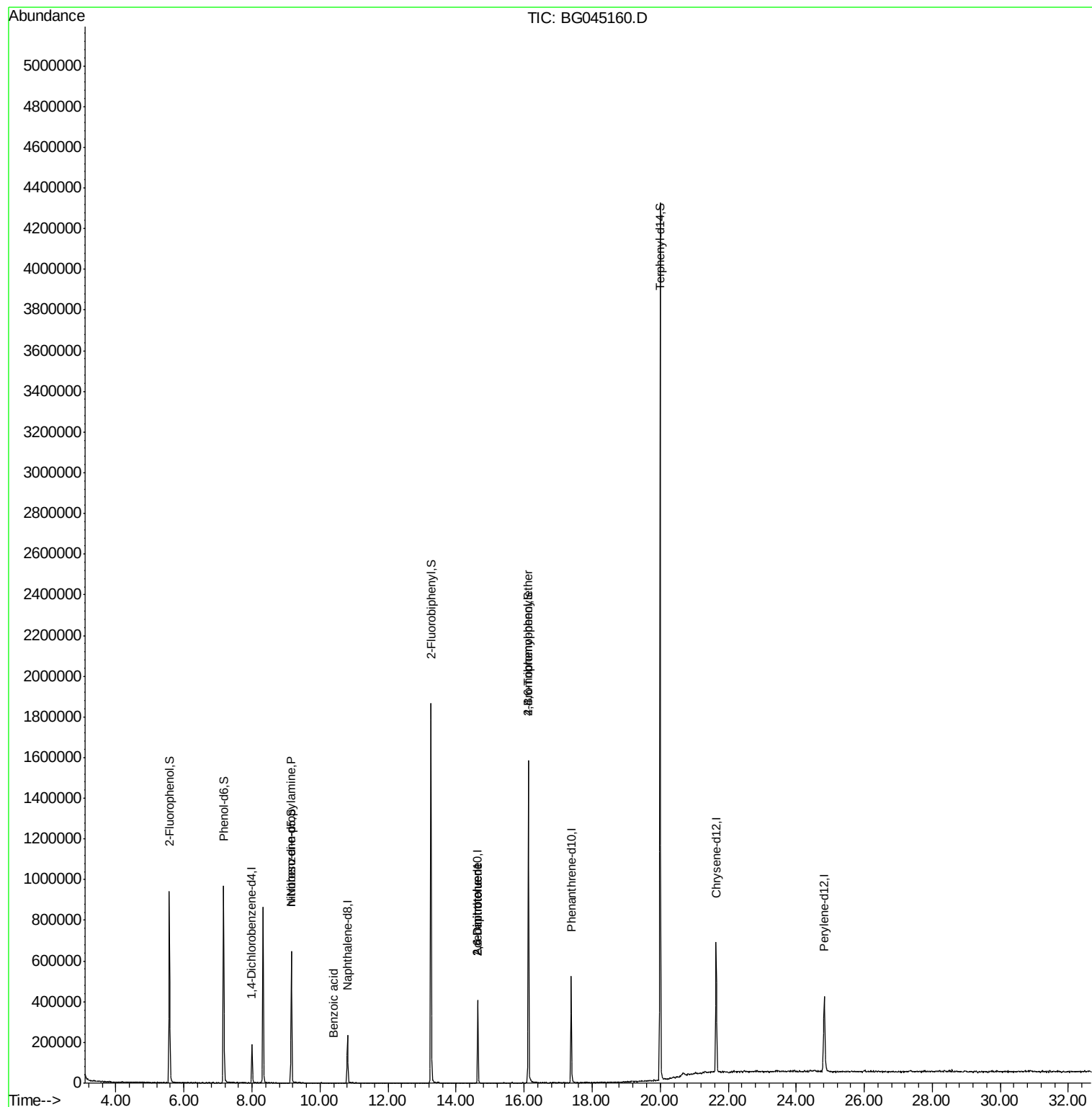
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	62	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	60688	16.828 ng	#	79
32) Benzoic acid	10.40	122	64	6.394 ng	#	1
51) 2,6-Dinitrotoluene	14.64	165	20864	7.374 ng	#	26
57) 2,4-Dinitrotoluene	14.64	165	20864	5.046 ng	#	24
67) 4-Bromophenyl-phenylether	16.13	248	23091	4.913 ng	#	1
69) Atrazine	16.33	200	60	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	55	Below Cal	#	76
75) Fluoranthene	19.47	202	60	Below Cal	#	62
77) Benzidine	20.00	184	41140	Below Cal	#	92

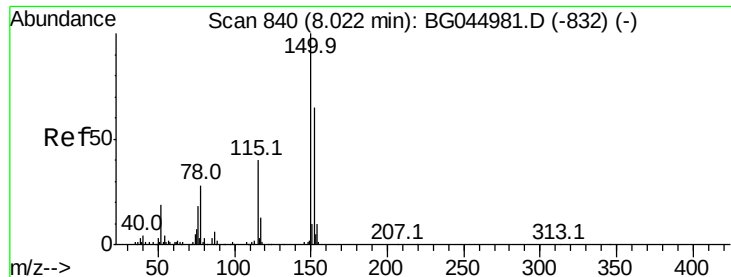
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Instrument :

BNA_G

ClientSampleId :

PB128472BL

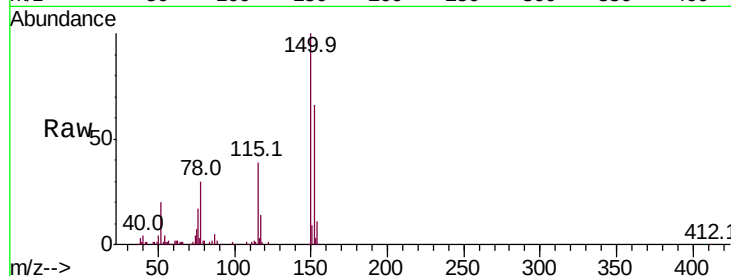
Tot Ion:152 Resp: 56664

Ion Ratio Lower Upper

152 100

150 151.7 123.6 185.4

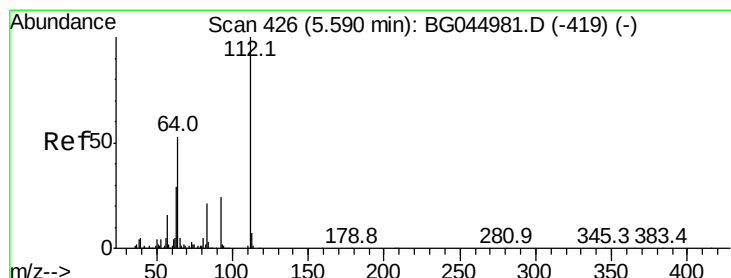
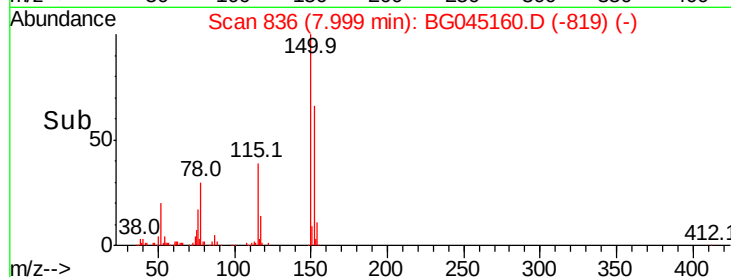
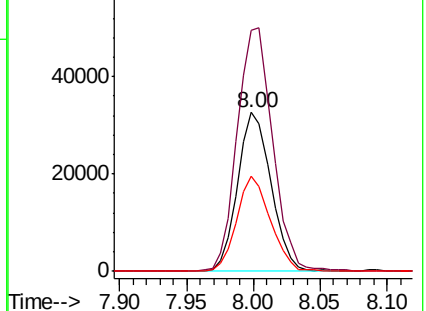
115 59.8 49.1 73.7



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: 144.093 ng

RT: 5.57 min Scan# 423

Delta R.T. -0.00 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

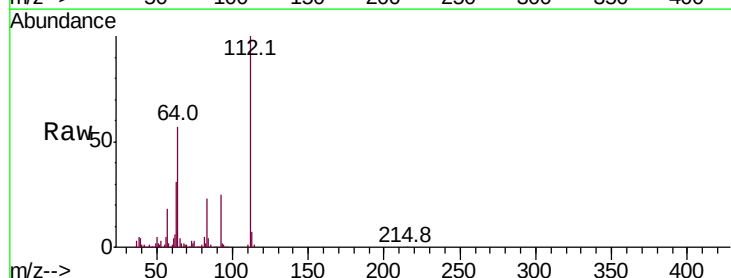
Tgt Ion:112 Resp: 494557

Ion Ratio Lower Upper

112 100

64 56.9 42.4 63.6

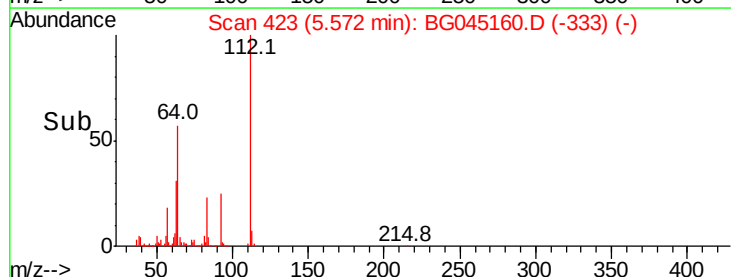
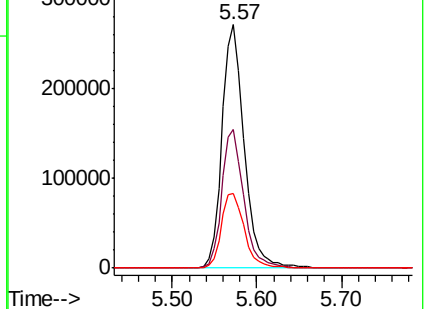
63 30.9 23.1 34.7

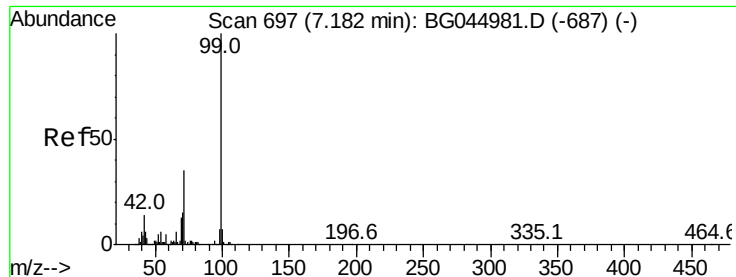


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 129.309 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Instrument :

BNA_G

ClientSampleId :

PB128472BL

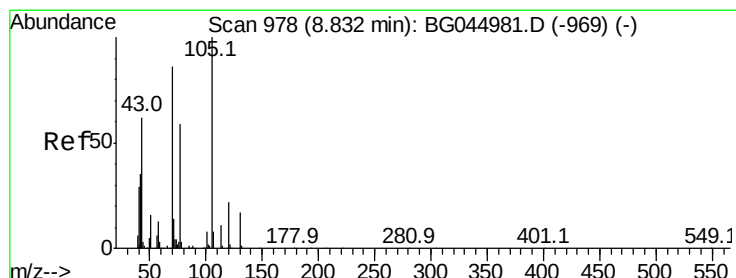
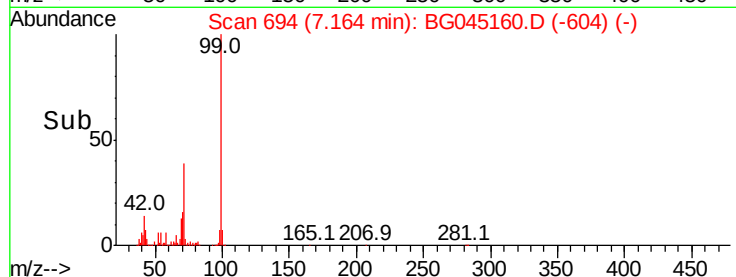
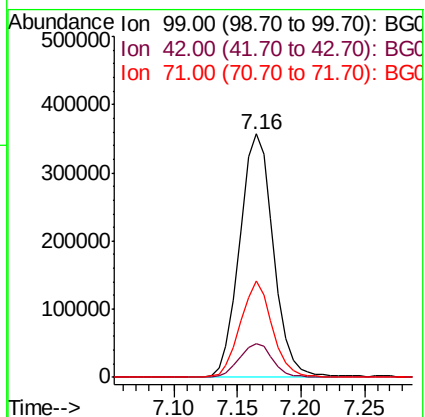
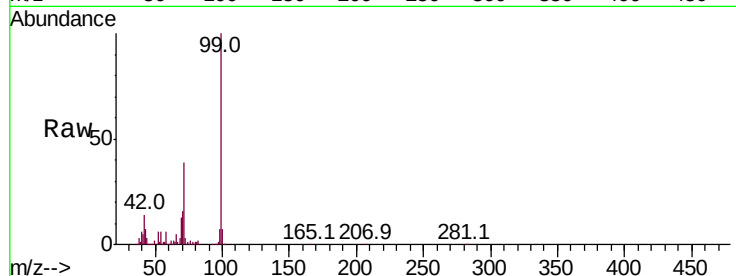
Tot Ion: 99 Resp: 659399

Ion Ratio Lower Upper

99 100

42 13.7 11.3 16.9

71 39.5 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 16.828 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Tgt Ion: 70 Resp: 60688

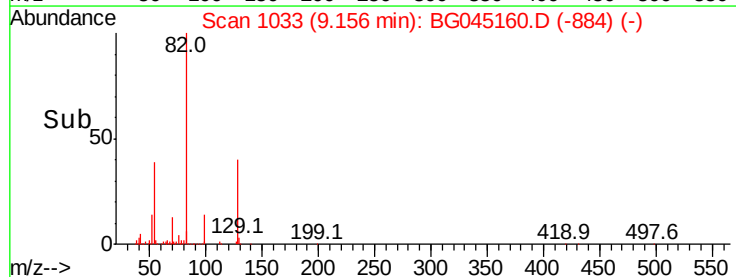
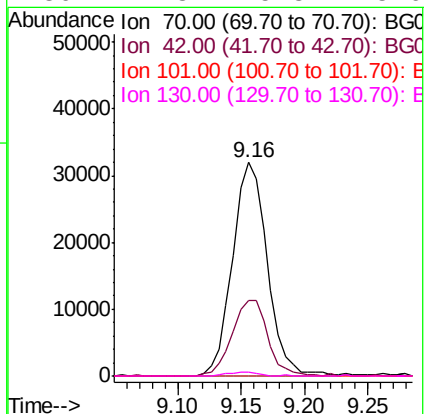
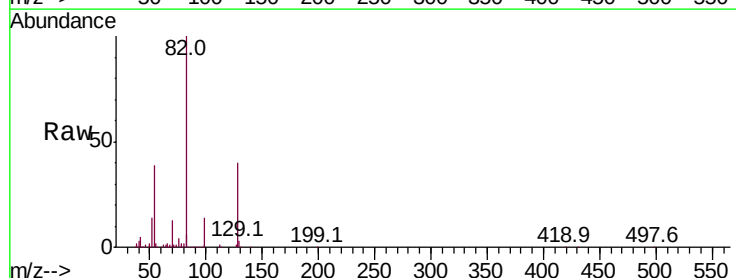
Ion Ratio Lower Upper

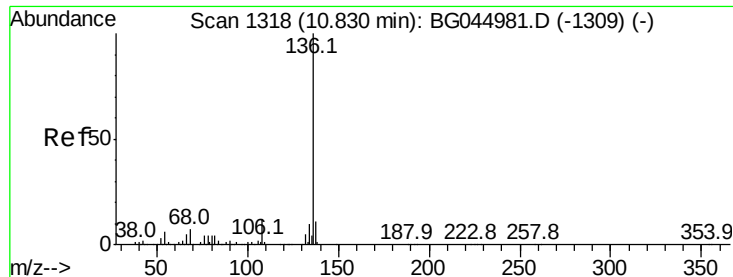
70 100

42 35.1 33.3 49.9

101 0.0 7.8 11.8#

130 1.8 15.8 23.6#

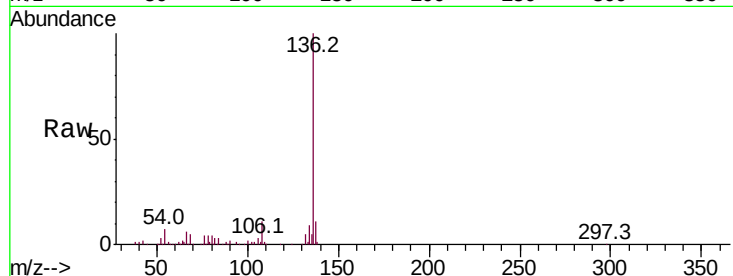




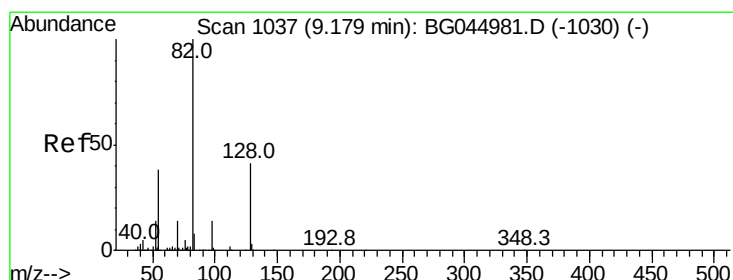
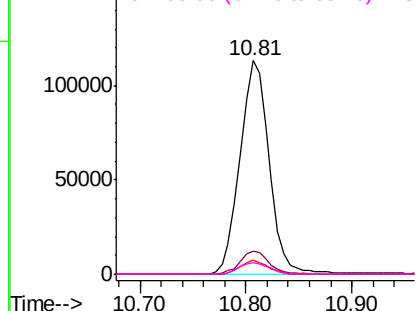
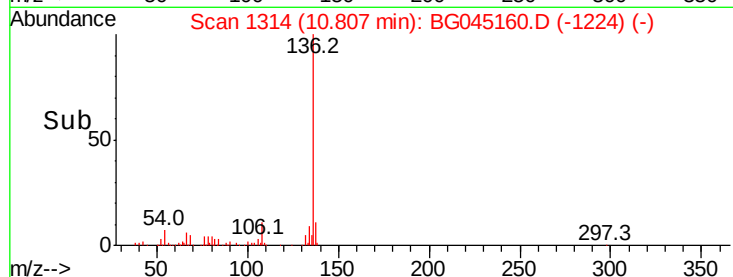
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1314
Delta R.T. -0.00 min
Lab File: BG045160.D
Acq: 24 Apr 2020 14:22

Instrument :
BNA_G
ClientSampleId :
PB128472BL

Tot Ion:136	Resp: 217216
Ion Ratio	Lower Upper
136 100	
137 10.9	8.6 13.0
54 6.9	4.8 7.2
68 5.4	5.2 7.8

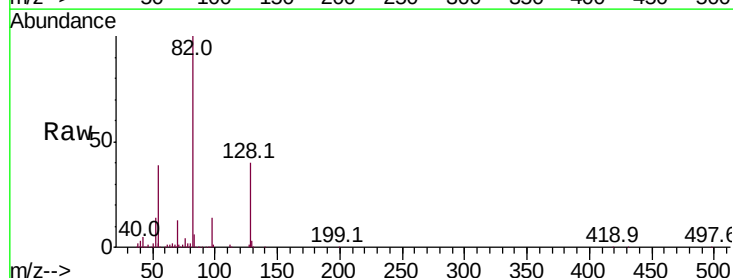


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

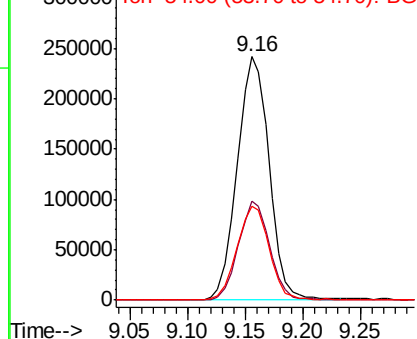
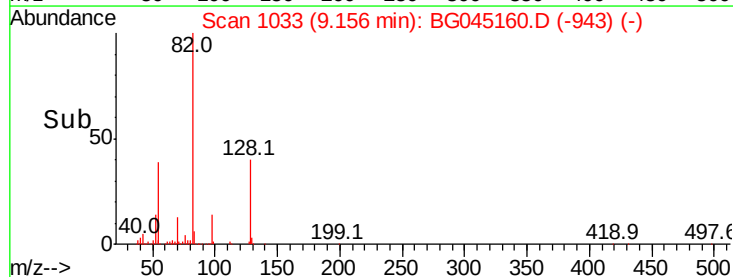


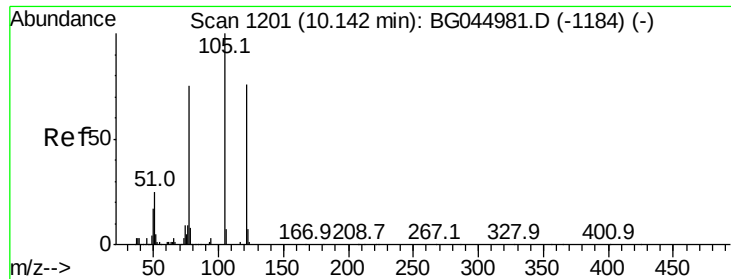
#23
Nitrobenzene-d5
Concen: 97.458 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG045160.D
Acq: 24 Apr 2020 14:22

Tgt Ion: 82	Resp: 463950
Ion Ratio	Lower Upper
82 100	
128 40.5	33.0 49.4
54 38.6	30.4 45.6



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

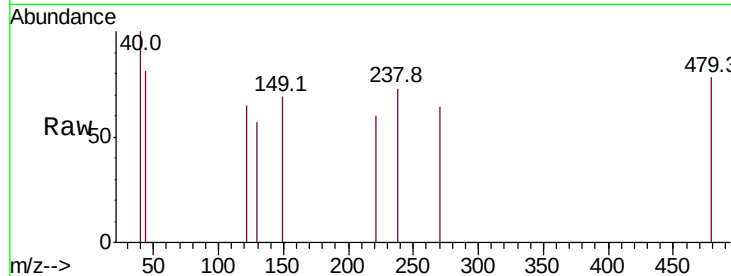




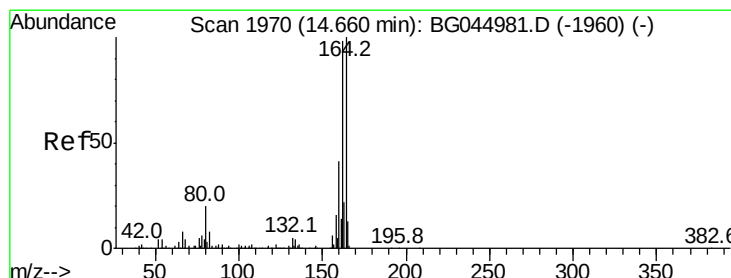
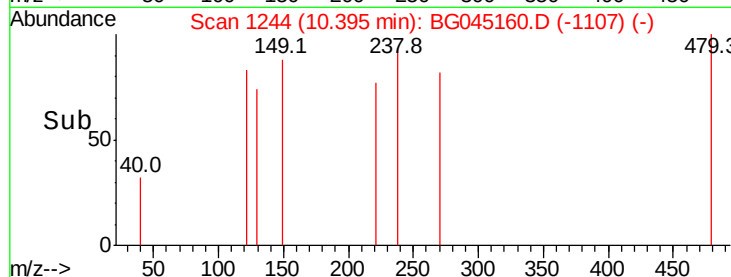
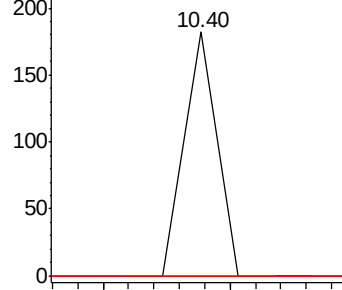
#32
Benzoic acid
Concen: 6.394 ng
RT: 10.40 min Scan# 1244
Delta R.T. 0.27 min
Lab File: BG045160.D
Acq: 24 Apr 2020 14:22

Instrument :
BNA_G
ClientSampleId :
PB128472BL

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

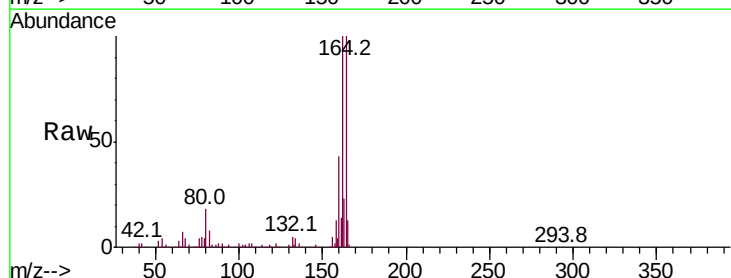


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

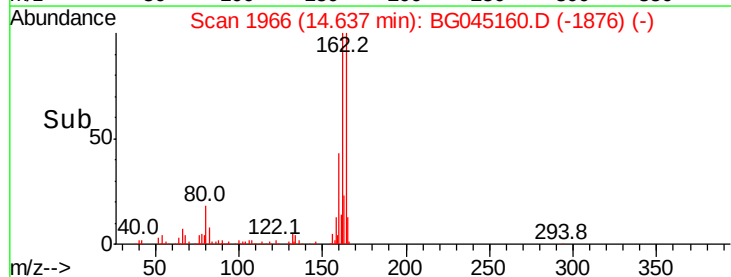
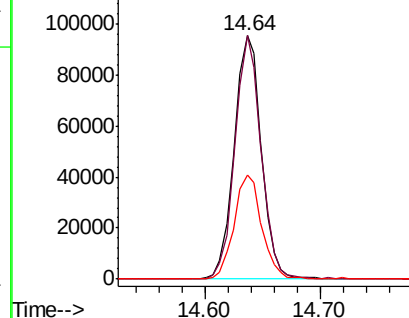


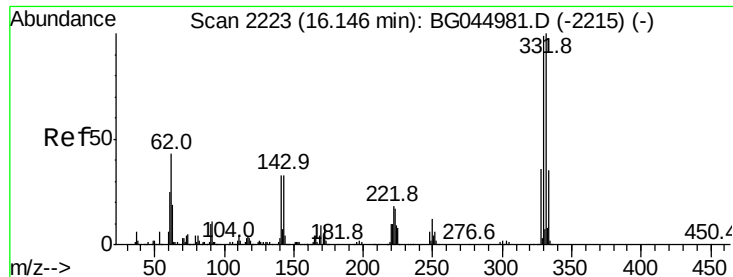
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG045160.D
Acq: 24 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	78.7	118.1
160	43.0	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

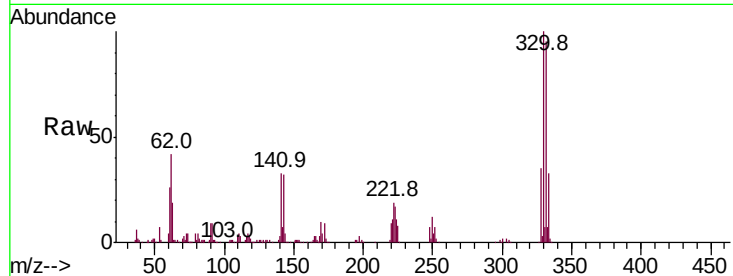




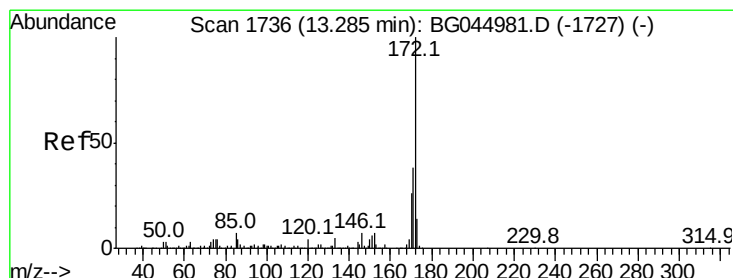
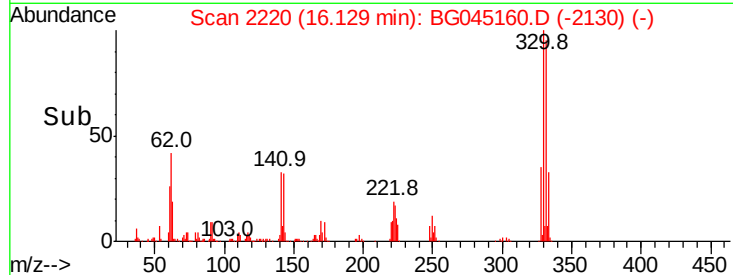
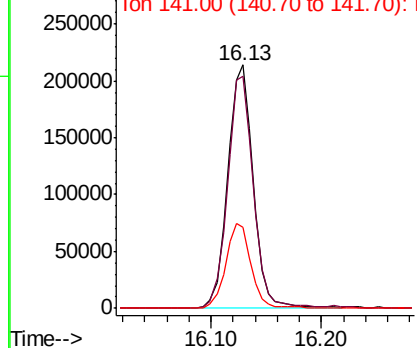
#42
 2,4,6-Tribromophenol
 Concen: 143.777 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG045160.D
 Acq: 24 Apr 2020 14:22

Instrument :
 BNA_G
 ClientSampled :
 PB128472BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.1	118.7
141	34.5	27.1	40.7

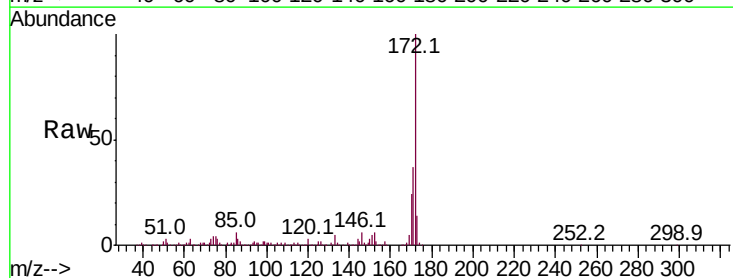


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

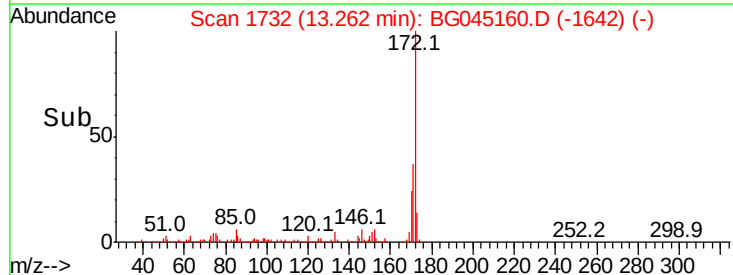
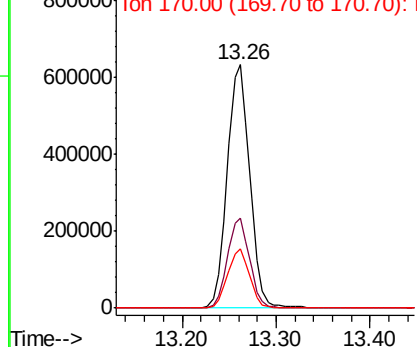


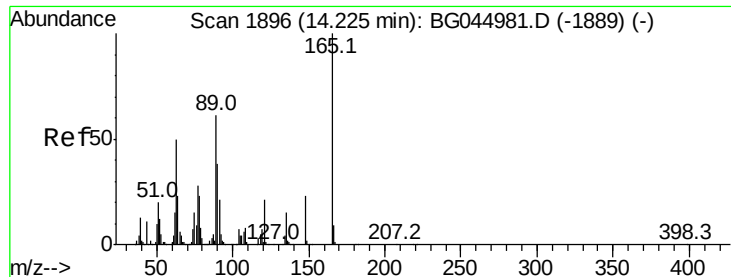
#45
 2-Fluorobiphenyl
 Concen: 99.838 ng
 RT: 13.26 min Scan# 1732
 Delta R.T. -0.00 min
 Lab File: BG045160.D
 Acq: 24 Apr 2020 14:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	46.0
170	24.3	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: 7.374 ng

RT: 14.64 min Scan# 1967

Delta R.T. 0.44 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Instrument :

BNA_G

ClientSampleId :

PB128472BL

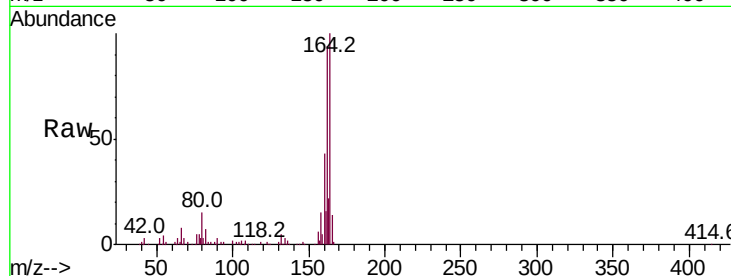
Tot Ion:165 Resp: 20864

Ion Ratio Lower Upper

165 100

63 2.4 40.4 60.6#

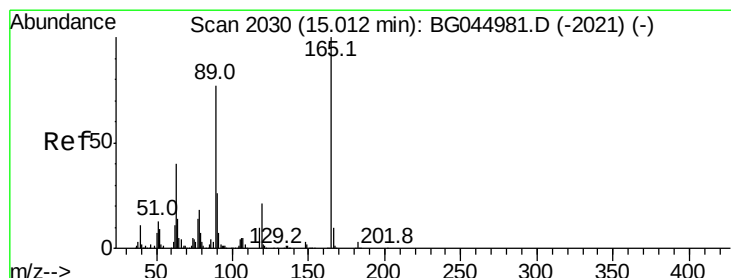
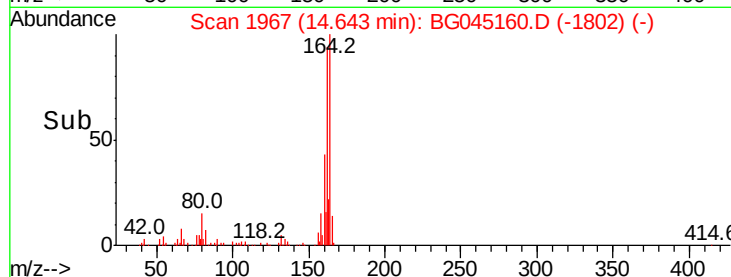
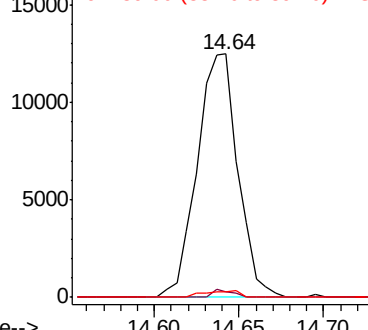
89 2.5 49.1 73.7#



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: 5.046 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.35 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Tgt Ion:165 Resp: 20864

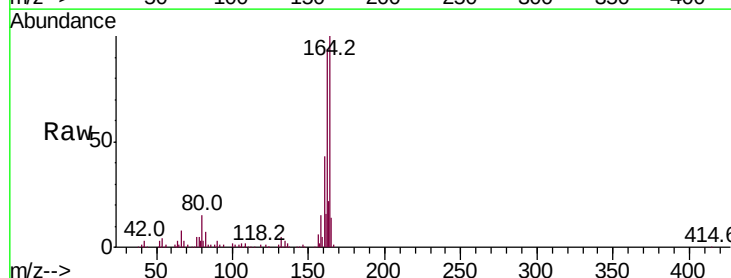
Ion Ratio Lower Upper

165 100

63 2.4 32.2 48.2#

89 2.5 61.7 92.5#

182 0.0 2.0 3.0#

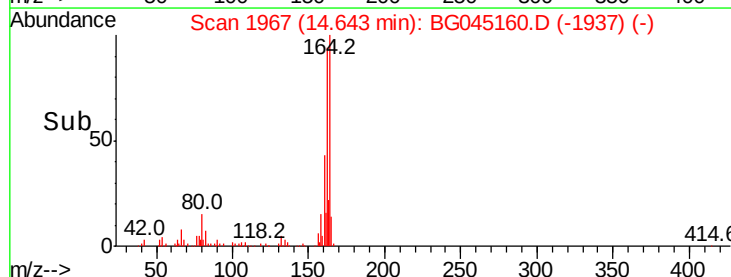
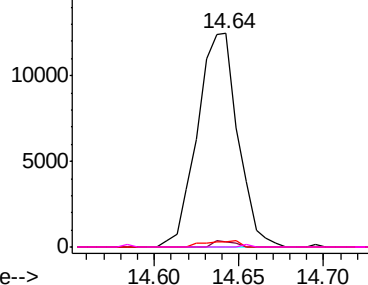


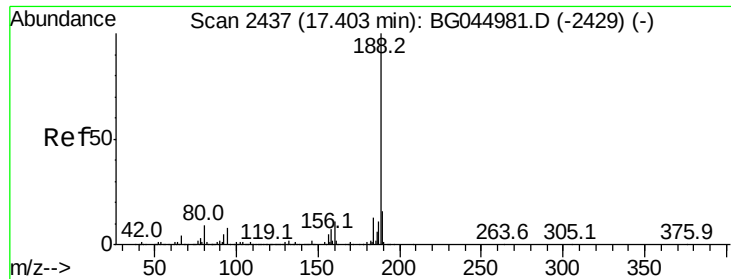
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.39 min Scan# 2434

Delta R.T. -0.00 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Instrument :

BNA_G

ClientSampleId :

PB128472BL

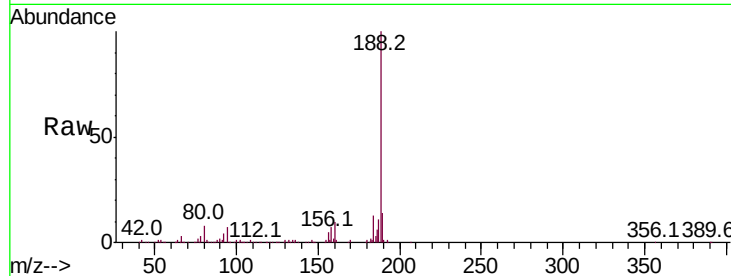
Tot Ion:188 Resp: 364333

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

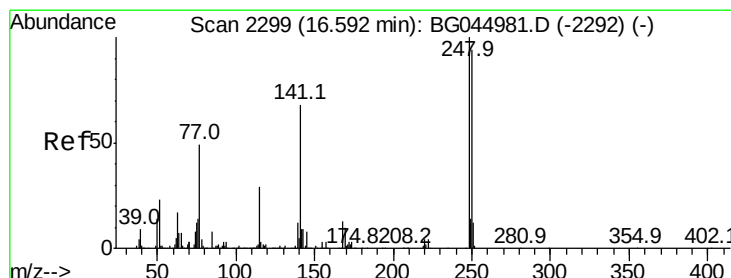
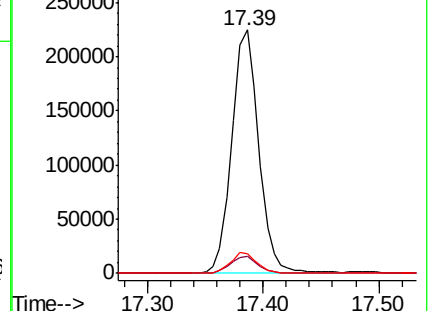
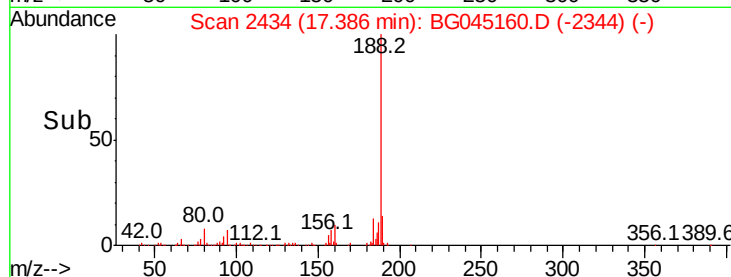
80 7.9 7.0 10.6



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: 4.913 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.45 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

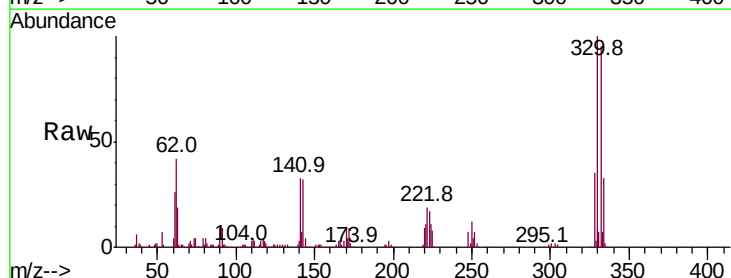
Tgt Ion:248 Resp: 23091

Ion Ratio Lower Upper

248 100

250 186.0 75.4 113.2#

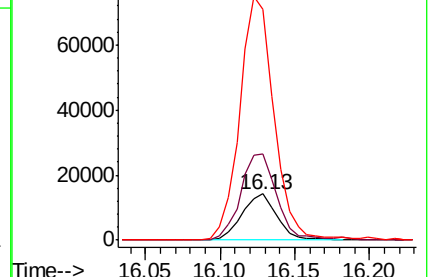
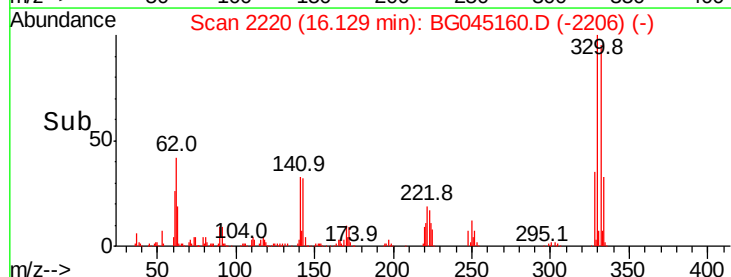
141 498.9 54.4 81.6#

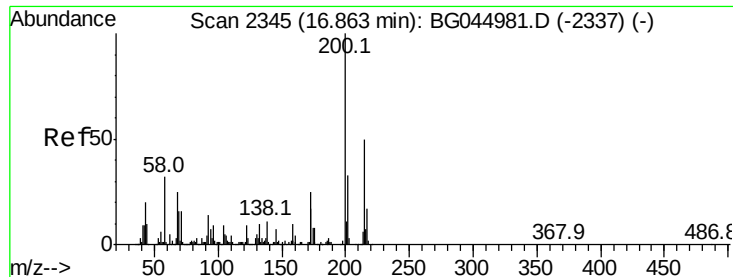


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.33 min Scan# 2254

Delta R.T. -0.51 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Instrument :

BNA_G

ClientSampleId :

PB128472BL

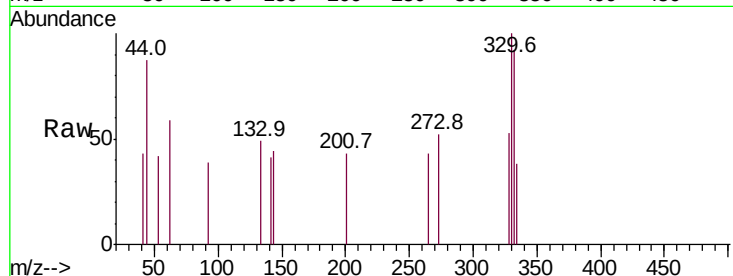
Tot Ion:200 Resp: 60

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#

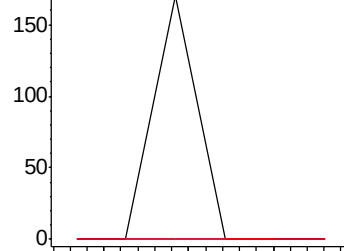


Abundance Ion 200.00 (199.70 to 200.70): E

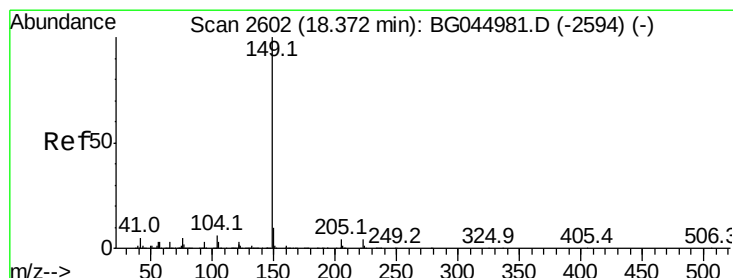
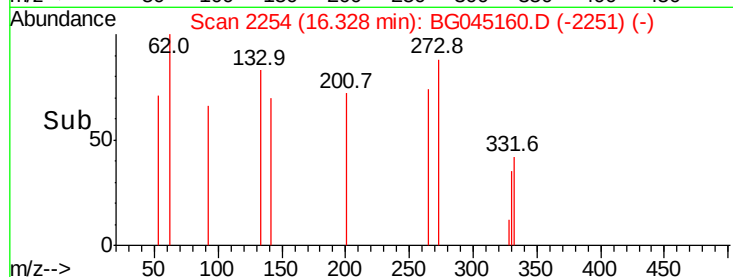
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.33



Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2599

Delta R.T. 0.00 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

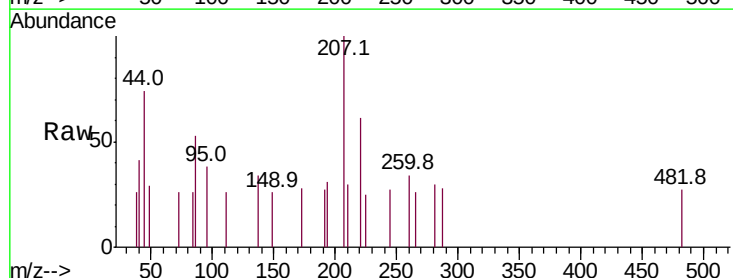
Tgt Ion:149 Resp: 55

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

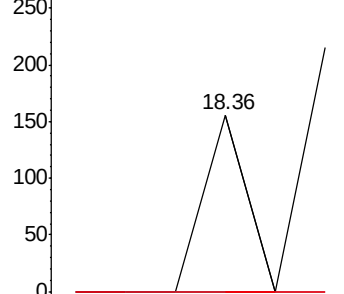
104 0.0 4.8 7.2#



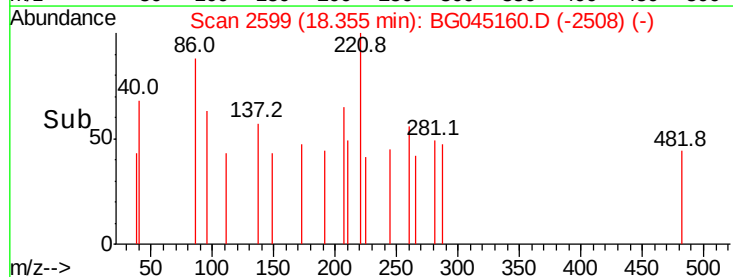
Abundance Ion 149.00 (148.70 to 149.70): E

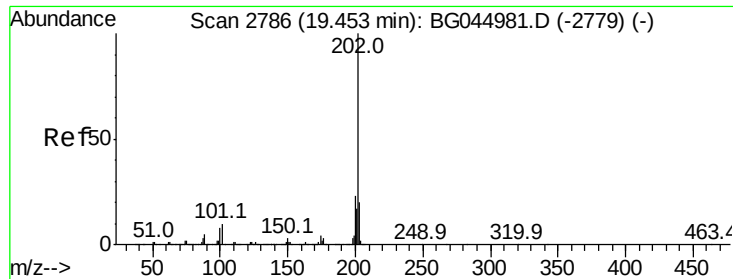
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

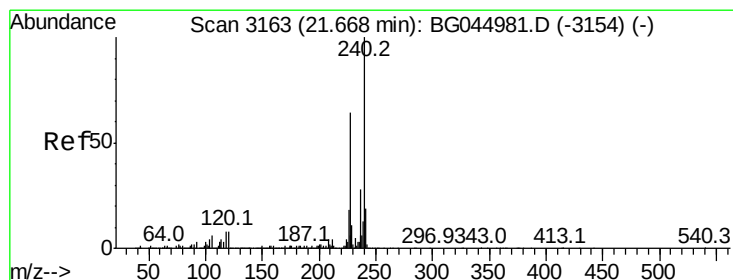
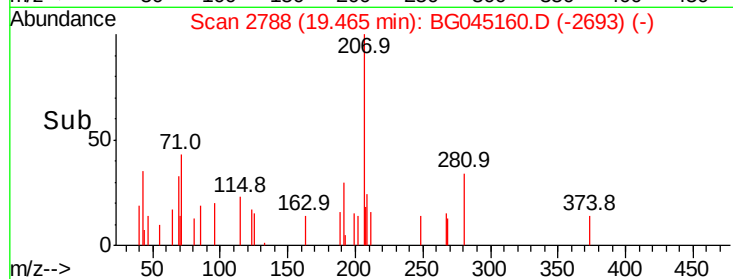
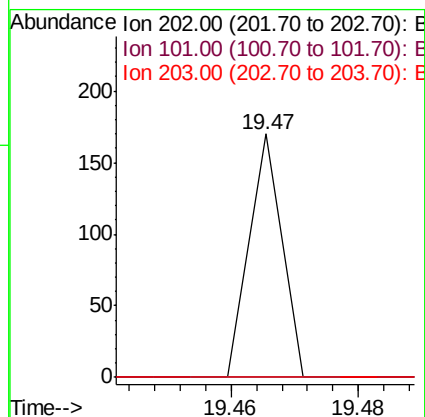
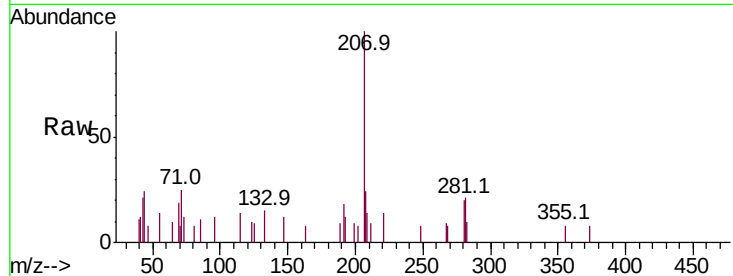




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.47 min Scan# 2788
 Delta R.T. 0.03 min
 Lab File: BG045160.D
 Acq: 24 Apr 2020 14:22

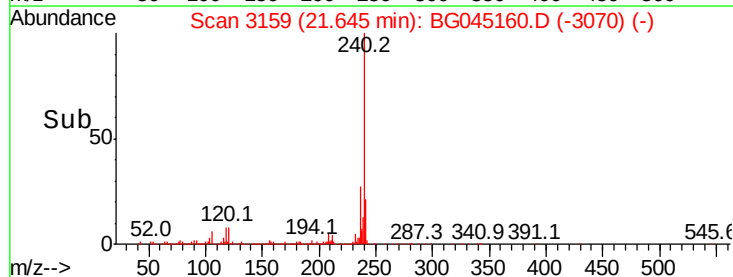
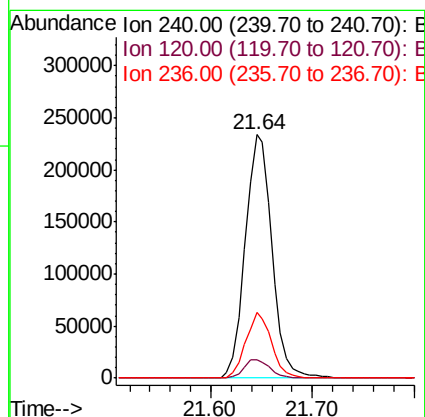
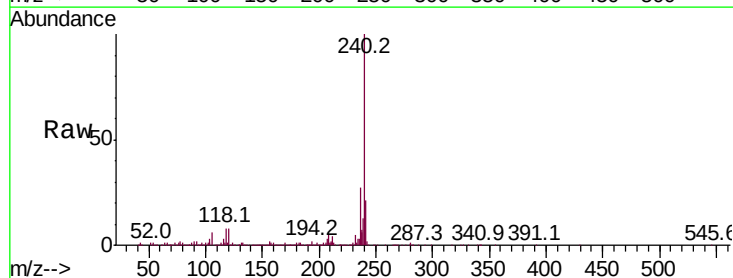
Instrument :
 BNA_G
 ClientSampleId :
 PB128472BL

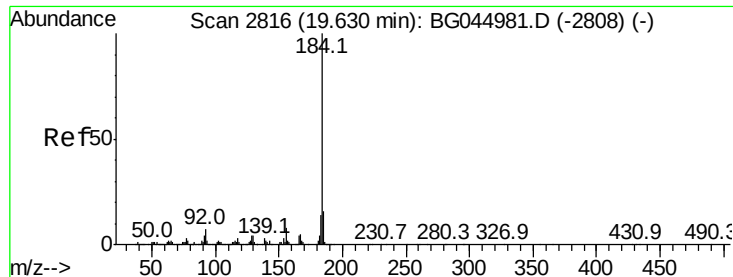
Tot Ion:	202	Resp:	60
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.64 min Scan# 3159
 Delta R.T. -0.01 min
 Lab File: BG045160.D
 Acq: 24 Apr 2020 14:22

Tgt Ion:	240	Resp:	425872
Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.6	10.0
236	26.8	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.00 min Scan# 2879

Delta R.T. 0.39 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

Instrument :

BNA_G

ClientSampleId :

PB128472BL

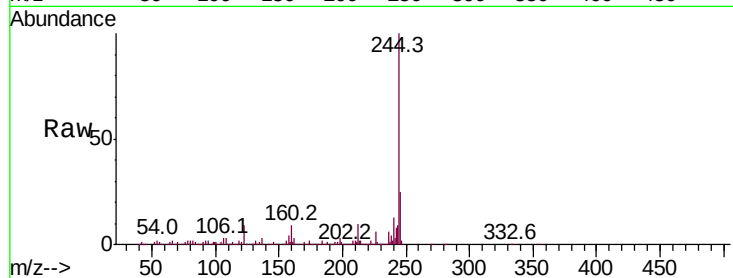
Tot Ion:184 Resp: 41140

Ion Ratio Lower Upper

184 100

185 14.5 12.6 19.0

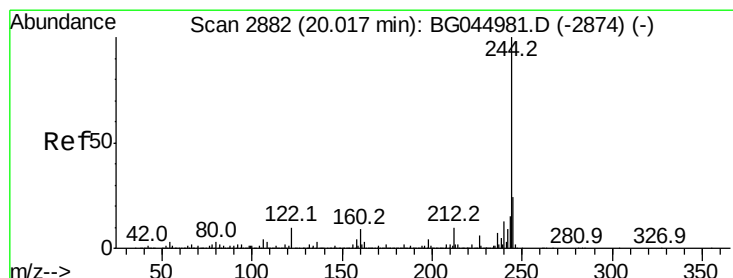
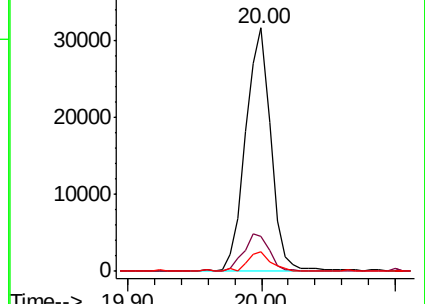
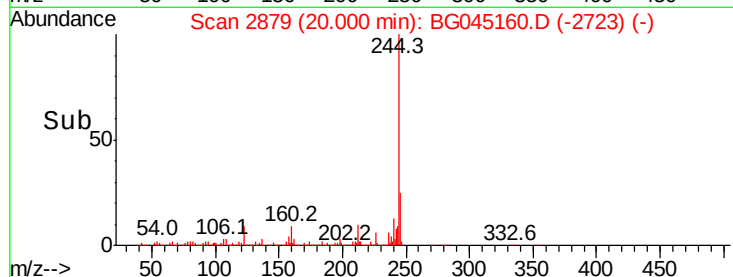
183 8.2 11.3 16.9#



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: 107.919 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.00 min

Lab File: BG045160.D

Acq: 24 Apr 2020 14:22

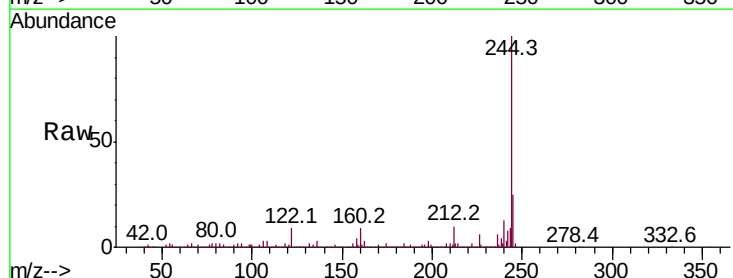
Tgt Ion:244 Resp: 2108654

Ion Ratio Lower Upper

244 100

212 10.2 7.9 11.9

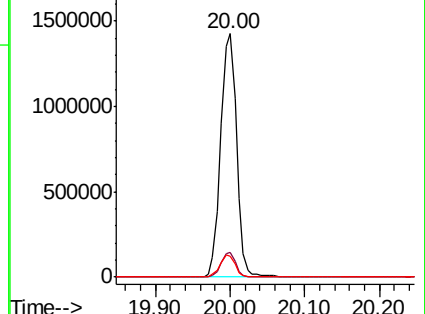
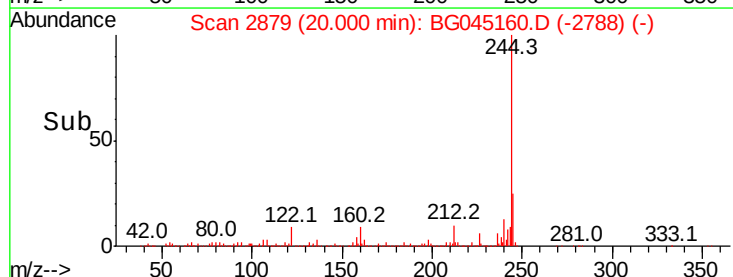
122 8.7 7.7 11.5

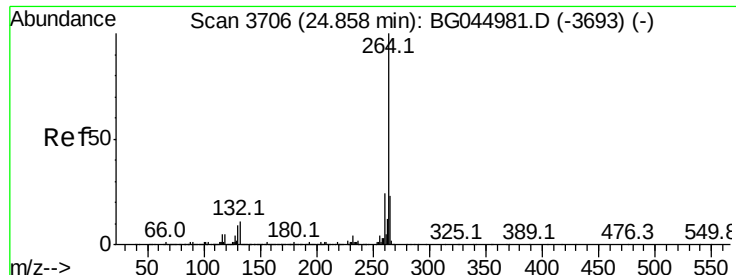


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

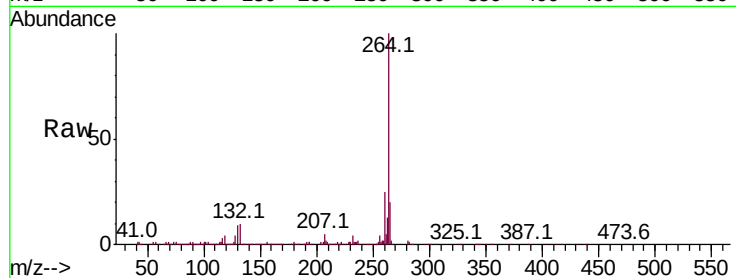




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.82 min Scan# 3700
Delta R.T. -0.01 min
Lab File: BG045160.D
Acq: 24 Apr 2020 14:22

Instrument :
BNA_G
ClientSampleId :
PB128472BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	20.3	19.0	28.4



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

