

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051220\
 Data File : BG045334.D
 Acq On : 12 May 2020 18:26
 Operator : CG/JU
 Sample : PB128803BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128803BL

Quant Time: May 12 19:14:20 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 15:48:20 2020
 Response via : Initial Calibration

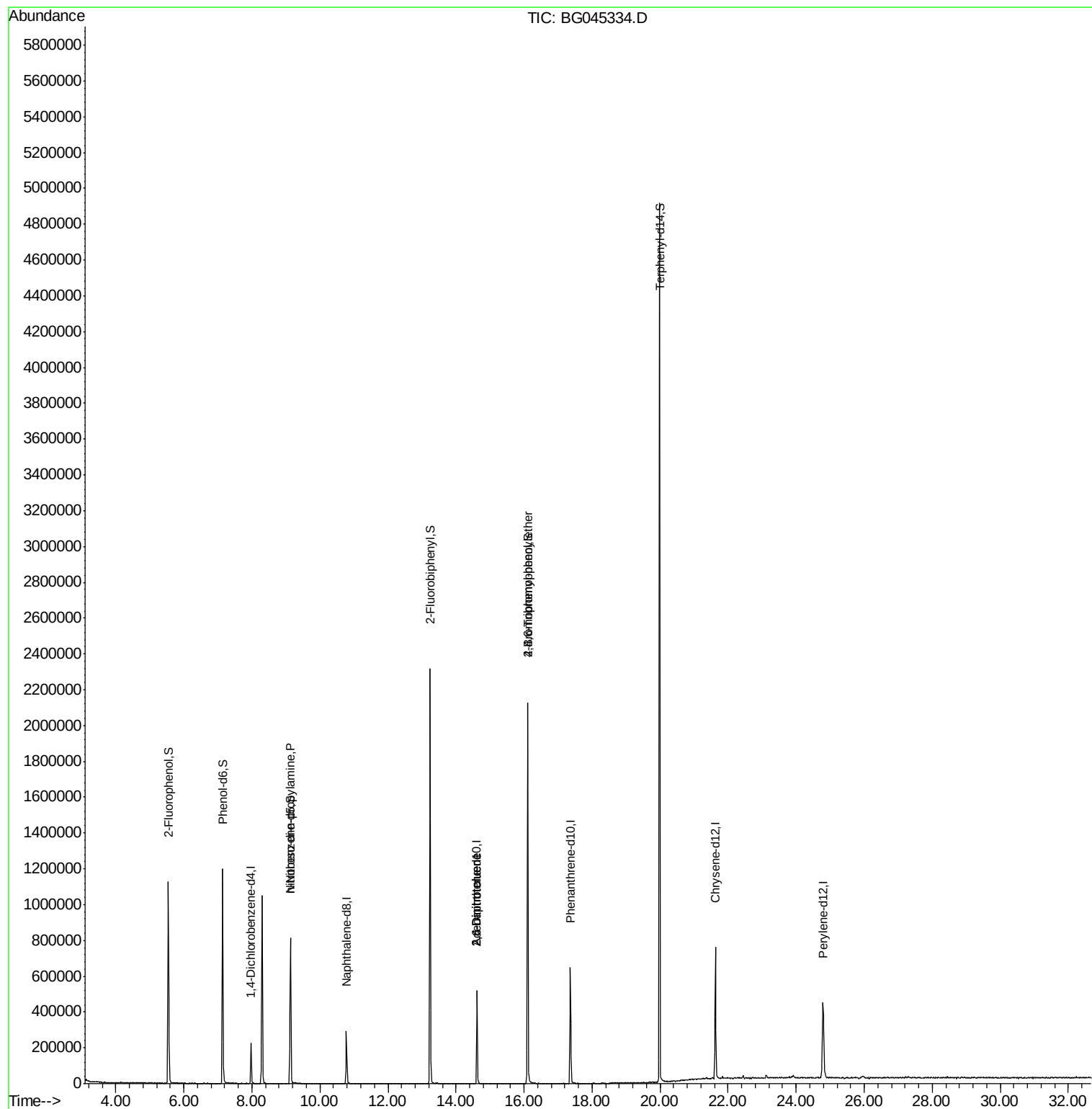
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	67650	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	270961	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	192423	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	448284	20.00	ng	0.00
76) Chrysene-d12	21.62	240	468251	20.00	ng	0.00
87) Perylene-d12	24.78	264	490585	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	564421	137.74	ng	0.00
7) Phenol-d6	7.14	99	805502	132.31	ng	0.00
23) Nitrobenzene-d5	9.14	82	568796	95.78	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	423653	142.52	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1271037	96.86	ng	0.00
79) Terphenyl-d14	19.99	244	2363952	110.03	ng	0.00
Target Compounds						
9) Benzaldehyde	7.15	77	1244	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.14	70	75003	17.420 ng	#	79
51) 2,6-Dinitrotoluene	14.62	165	24861	7.094 ng	#	26
57) 2,4-Dinitrotoluene	14.62	165	24861	4.854 ng	#	24
67) 4-Bromophenyl-phenylether	16.11	248	29471	5.096 ng	#	1
74) Di-n-butylphthalate	18.32	149	126	Below Cal	#	76
75) Fluoranthene	19.43	202	91	Below Cal	#	62
77) Benzydine	19.99	184	47422	Below Cal	#	87

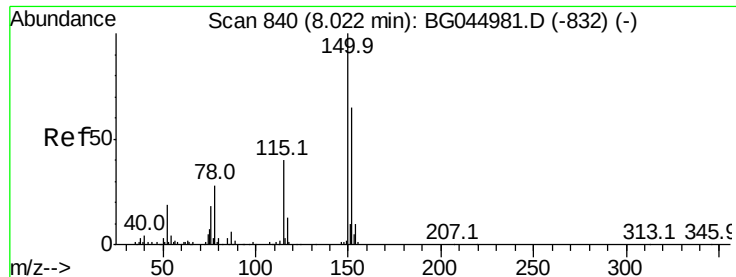
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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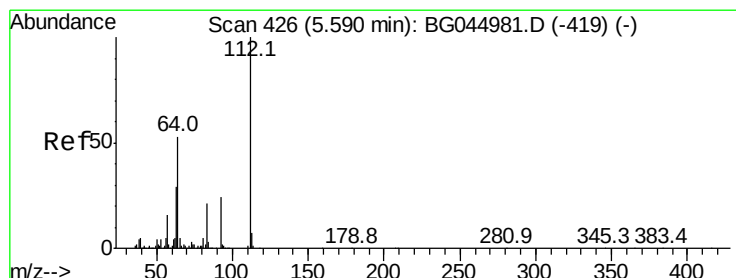
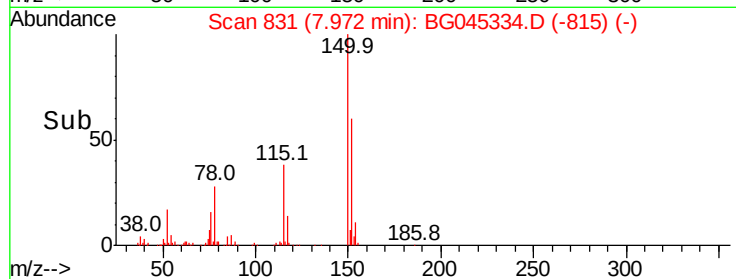
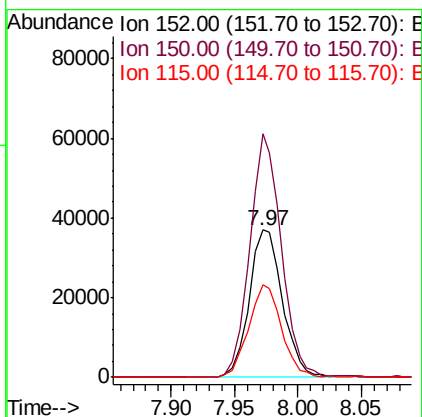
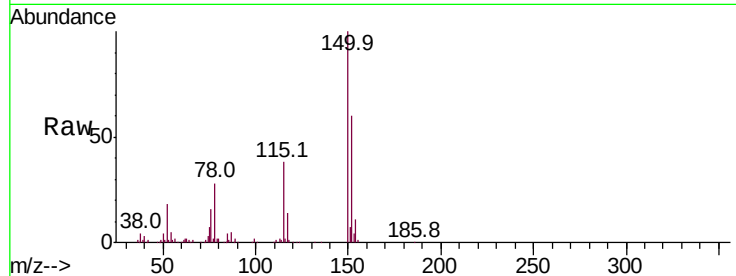


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045334.D
Acq: 12 May 2020 18:26

Instrument :
BNA_G
ClientSampleId :
PB128803BL

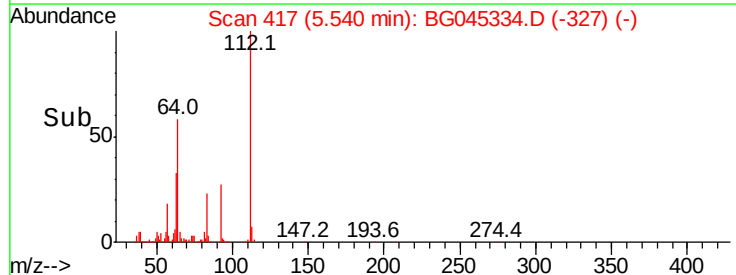
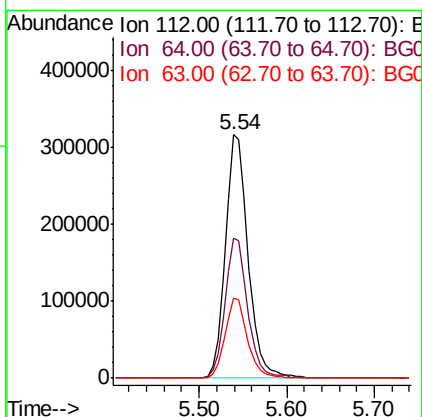
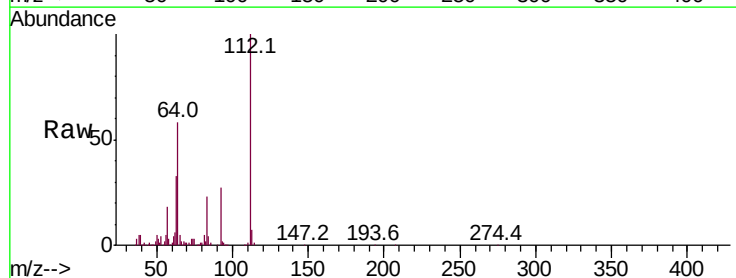
Tot Ion	Ratio	Lower	Upper
152	100		
150	165.5	123.6	185.4
115	62.8	49.1	73.7

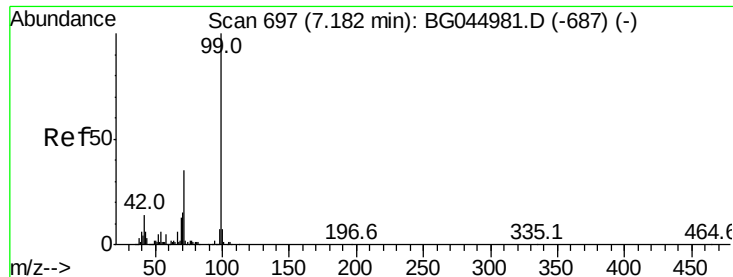


#5

2-Fluorophenol
Concen: 137.743 ng
RT: 5.54 min Scan# 417
Delta R.T. -0.00 min
Lab File: BG045334.D
Acq: 12 May 2020 18:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	42.4	63.6
63	32.7	23.1	34.7





#7

Phenol-d6

Concen: 132.308 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

Instrument :

BNA_G

ClientSampleId :

PB128803BL

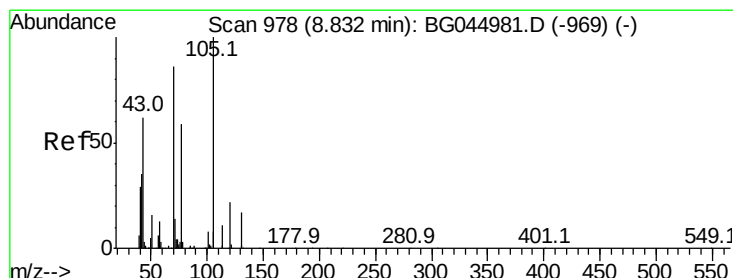
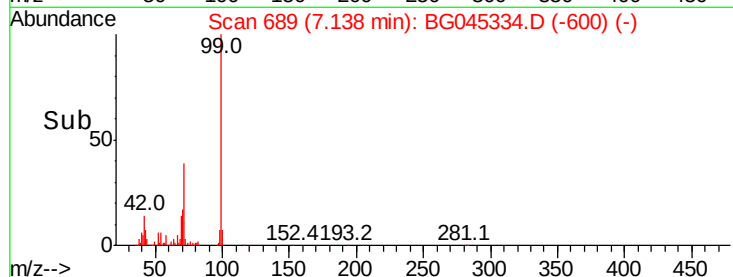
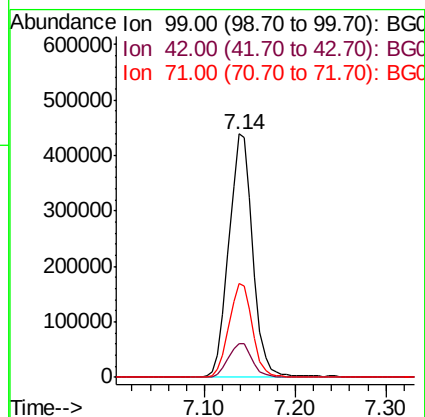
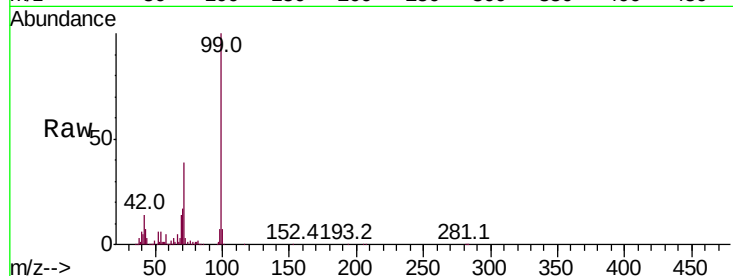
Tot Ion: 99 Resp: 805502

Ion Ratio Lower Upper

99 100

42 14.0 11.3 16.9

71 38.7 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 17.420 ng

RT: 9.14 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

Tgt Ion: 70 Resp: 75003

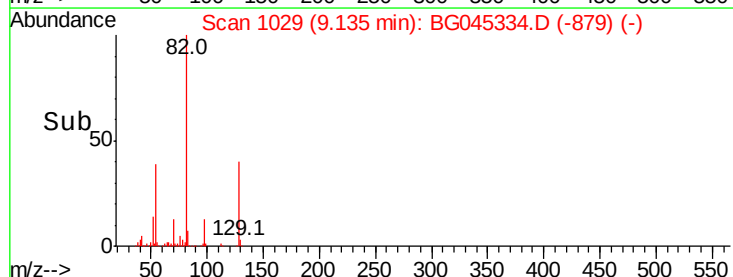
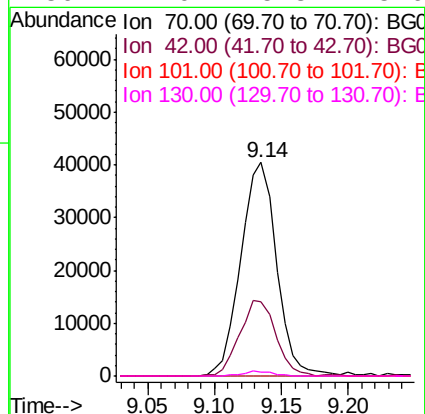
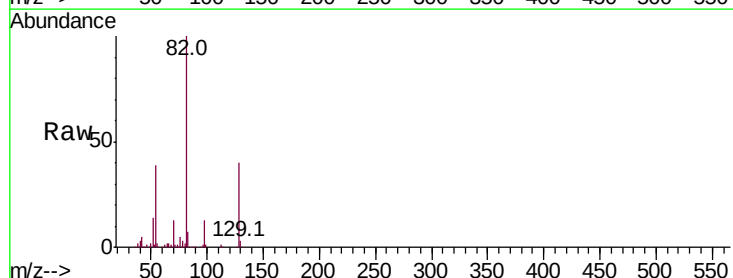
Ion Ratio Lower Upper

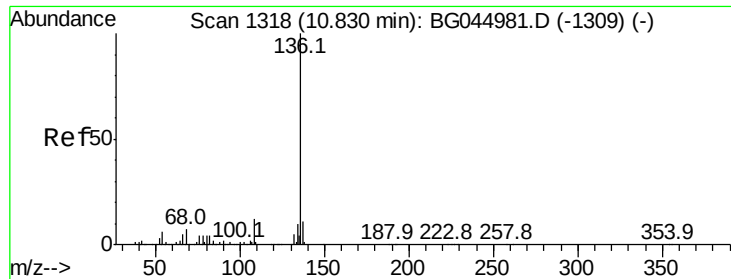
70 100

42 34.8 33.3 49.9

101 0.0 7.8 11.8#

130 2.0 15.8 23.6#

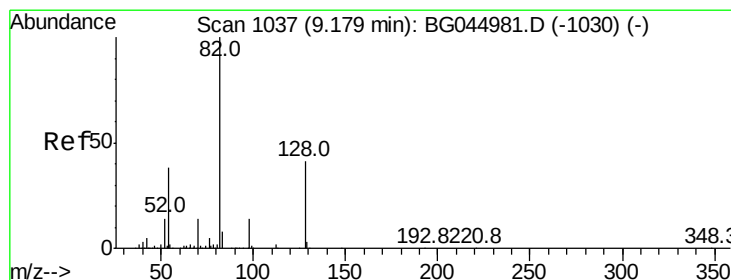
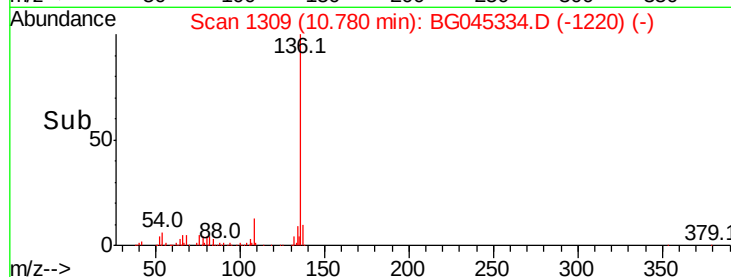
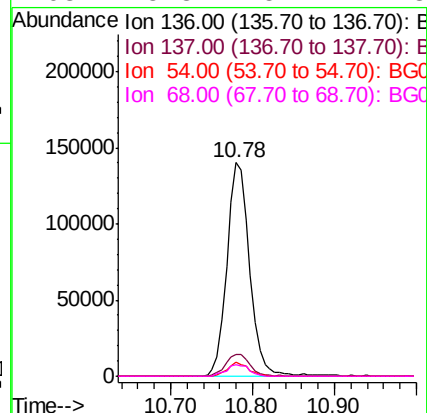
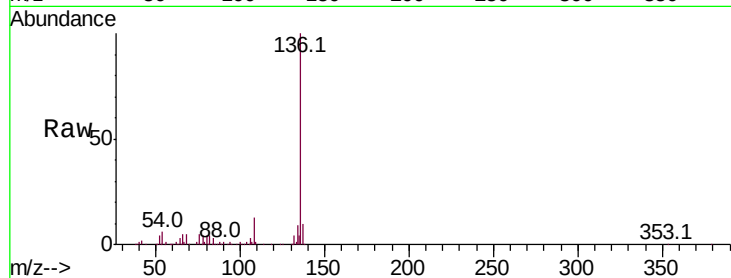




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG045334.D
Acq: 12 May 2020 18:26

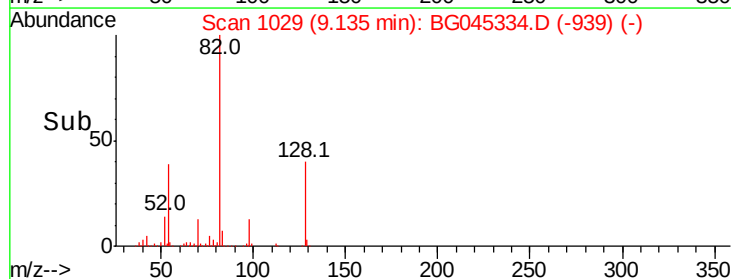
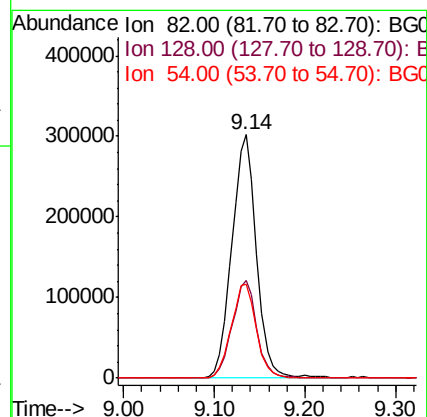
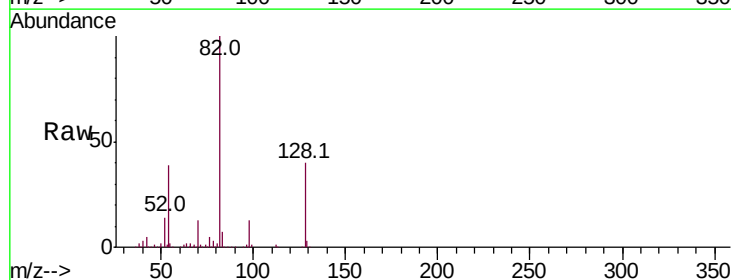
Instrument :
BNA_G
ClientSampleId :
PB128803BL

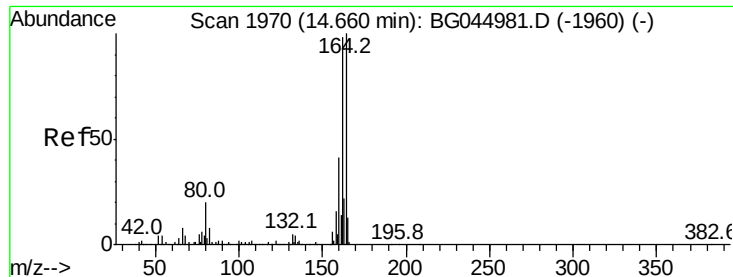
Tot Ion:	136	Resp:	270961
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	6.3	4.8	7.2
68	5.3	5.2	7.8



#23
Nitrobenzene-d5
Concen: 95.783 ng
RT: 9.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BG045334.D
Acq: 12 May 2020 18:26

Tgt Ion:	82	Resp:	568796
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.0	49.4
54	38.8	30.4	45.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

Instrument :

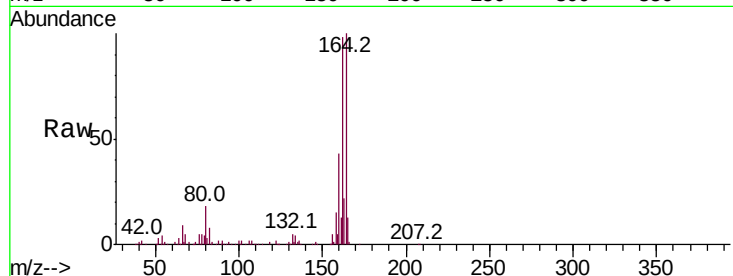
BNA_G

ClientSampleId :

PB128803BL

Tot Ion:164 Resp: 192423

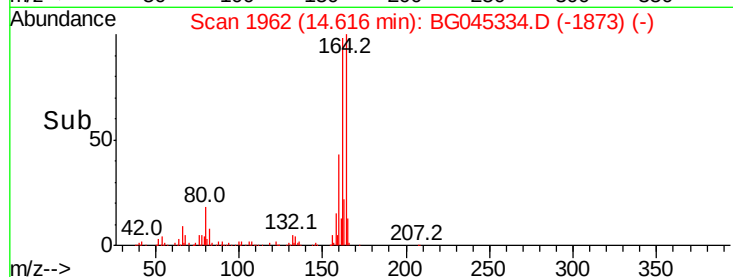
Ion	Ratio	Lower	Upper
164	100		
162	98.1	78.7	118.1
160	42.6	32.8	49.2



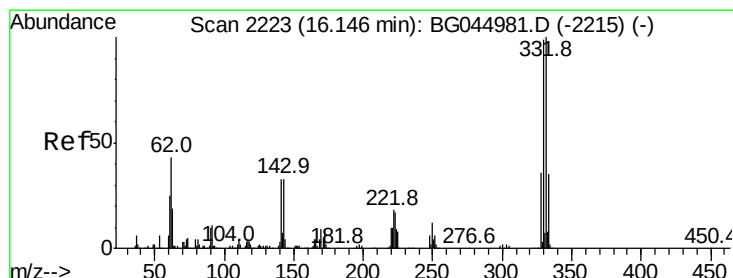
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#42

2,4,6-Tribromophenol

Concen: 142.515 ng

RT: 16.11 min Scan# 2216

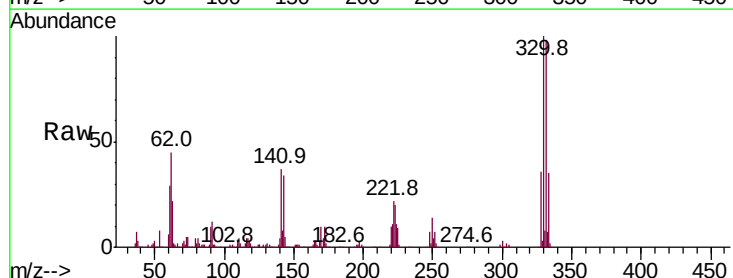
Delta R.T. -0.00 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

Tgt Ion:330 Resp: 423653

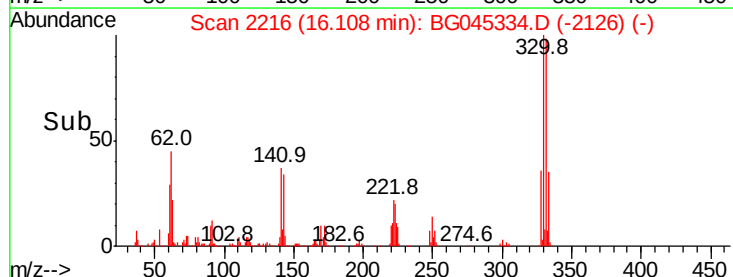
Ion	Ratio	Lower	Upper
330	100		
332	97.9	79.1	118.7
141	36.1	27.1	40.7



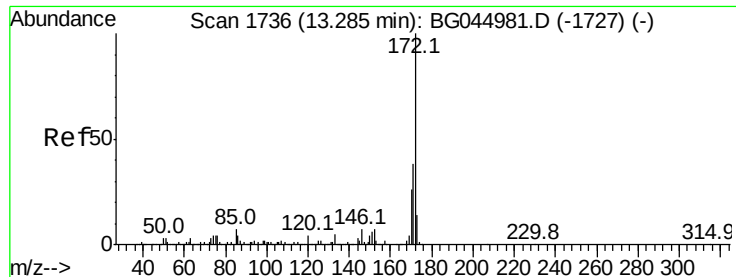
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

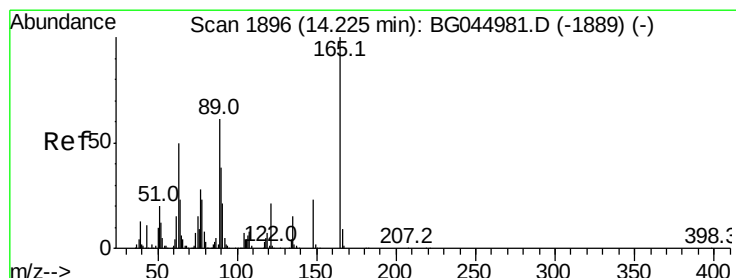
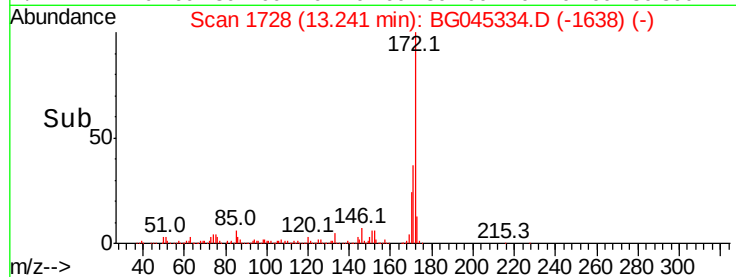
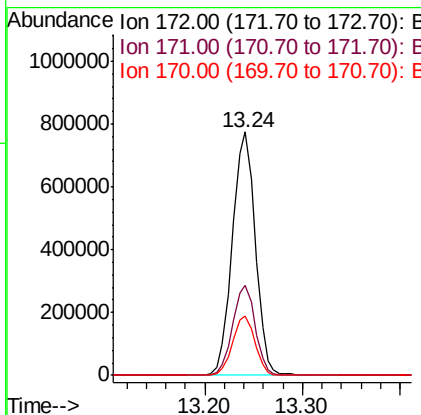
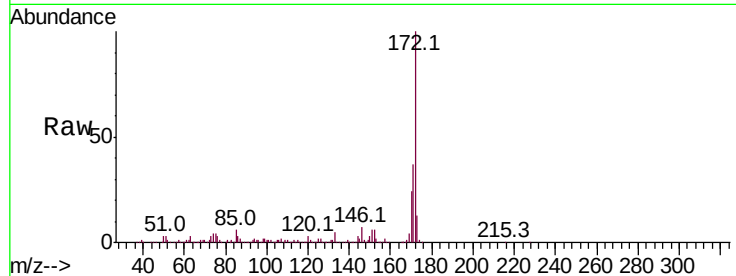


#45
 2-Fluorobiphenyl
 Concen: 96.857 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.00 min
 Lab File: BG045334.D
 Acq: 12 May 2020 18:26

Instrument :
 BNA_G
 ClientSampleId :
 PB128803BL

Tot Ion:172 Resp: 1271037

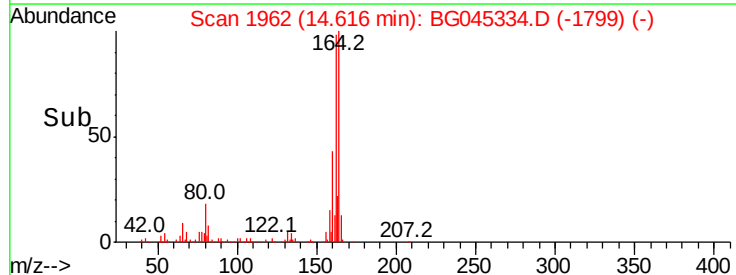
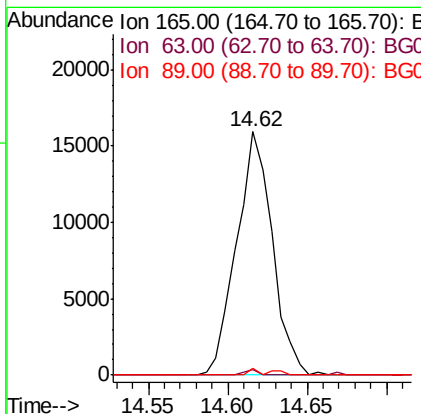
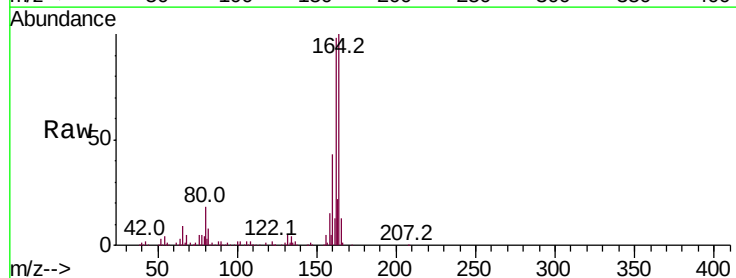
Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	24.1	20.5	30.7

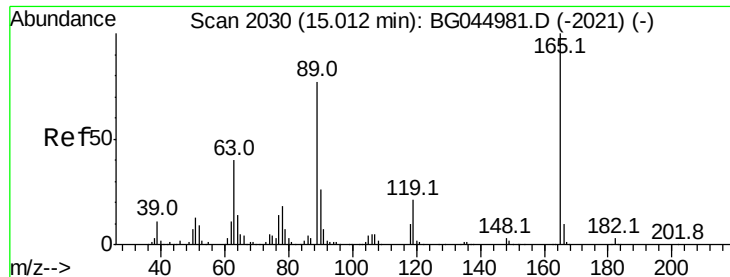


#51
 2,6-Dinitrotoluene
 Concen: 7.094 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. 0.43 min
 Lab File: BG045334.D
 Acq: 12 May 2020 18:26

Tgt Ion:165 Resp: 24861

Ion	Ratio	Lower	Upper
165	100		
63	2.1	40.4	60.6#
89	2.5	49.1	73.7#

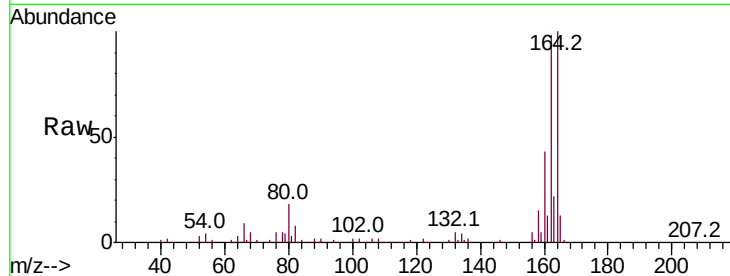




#57
 2,4-Dinitrotoluene
 Concen: 4.854 ng
 RT: 14.62 min Scan# 1962
 Delta R.T. -0.36 min
 Lab File: BG045334.D
 Acq: 12 May 2020 18:26

Instrument :
 BNA_G
 ClientSampleId :
 PB128803BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	32.2	48.2#
89	2.5	61.7	92.5#
182	0.0	2.0	3.0#



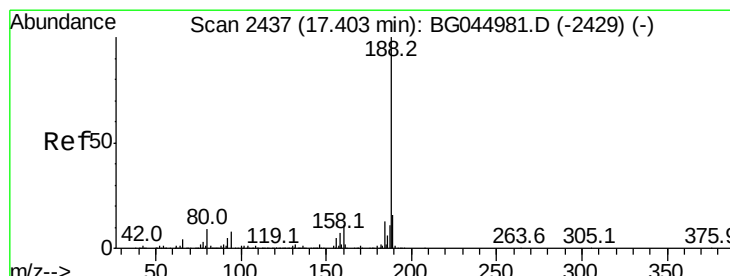
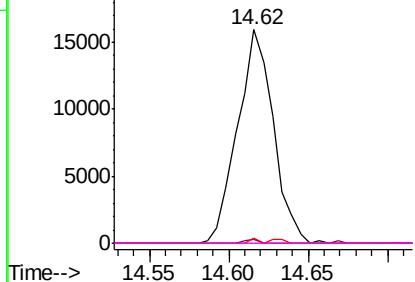
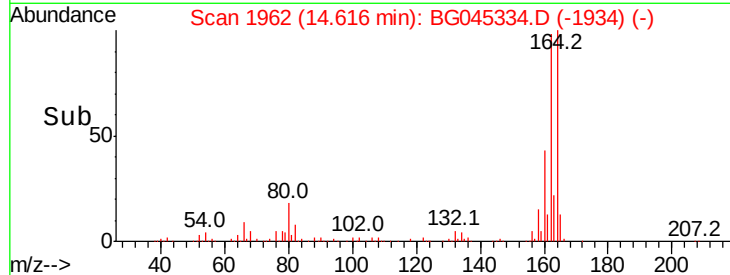
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

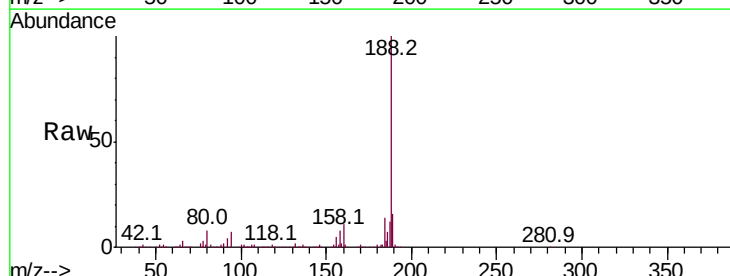
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.37 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BG045334.D
 Acq: 12 May 2020 18:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	6.2	9.4
80	8.4	7.0	10.6

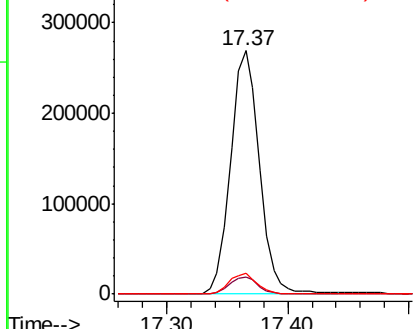
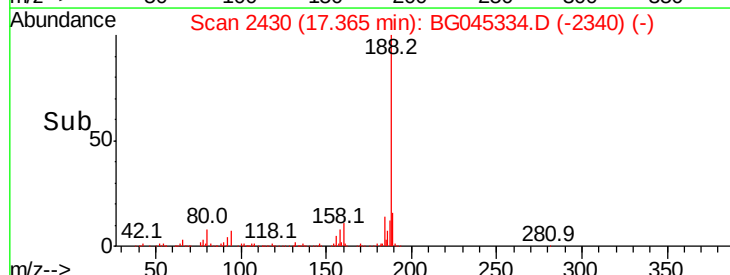


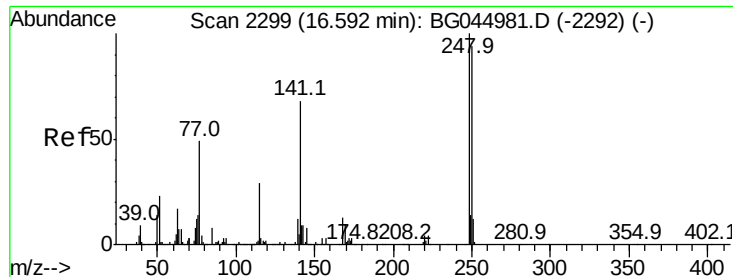
Abundance

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

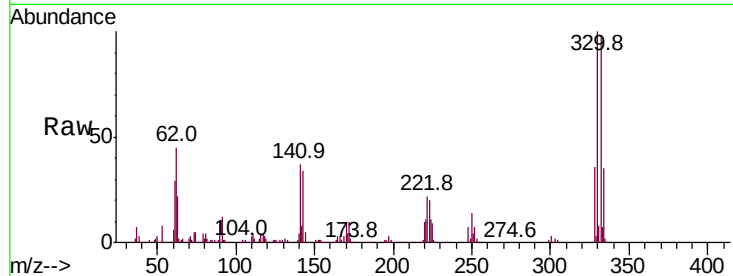




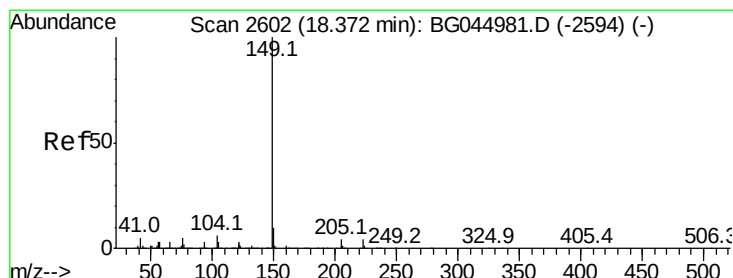
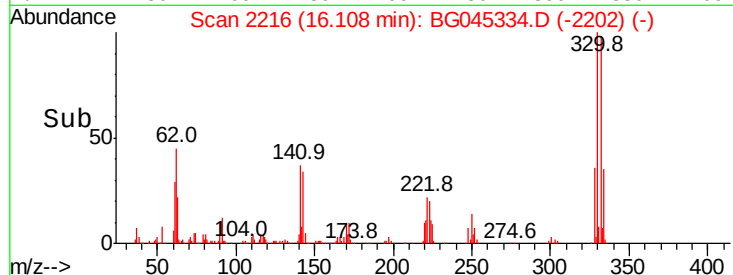
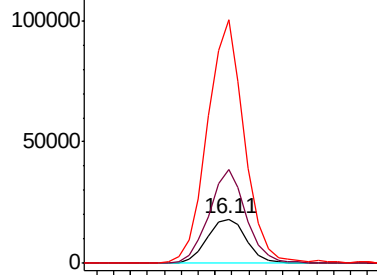
#67
4-Bromophenyl-phenylether
Concen: 5.096 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.45 min
Lab File: BG045334.D
Acq: 12 May 2020 18:26

Instrument :
BNA_G
ClientSampleId :
PB128803BL

Tot Ion:248 Resp: 29471
Ion Ratio Lower Upper
248 100
250 210.2 75.4 113.2#
141 548.6 54.4 81.6#

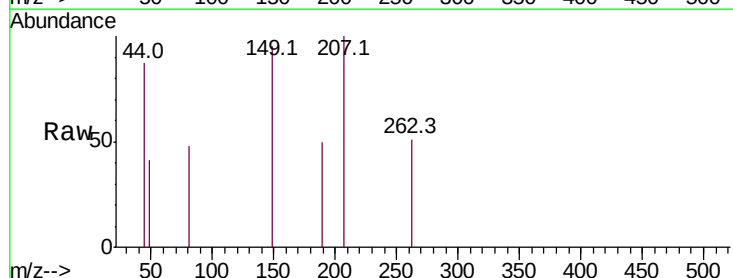


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

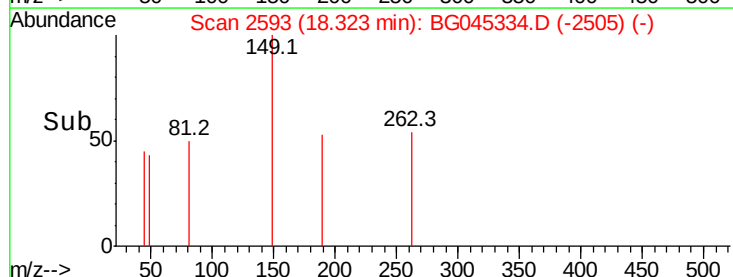
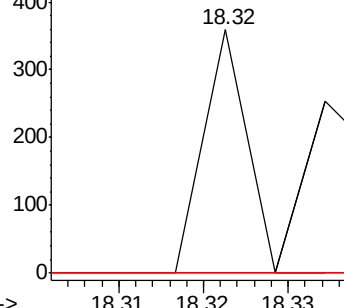


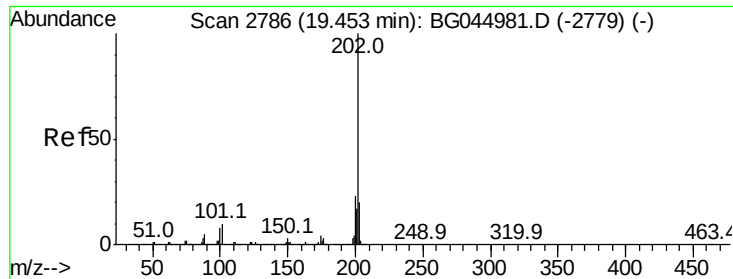
#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.32 min Scan# 2593
Delta R.T. -0.01 min
Lab File: BG045334.D
Acq: 12 May 2020 18:26

Tgt Ion:149 Resp: 126
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: 19.43 min Scan# 2781

Delta R.T. 0.01 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

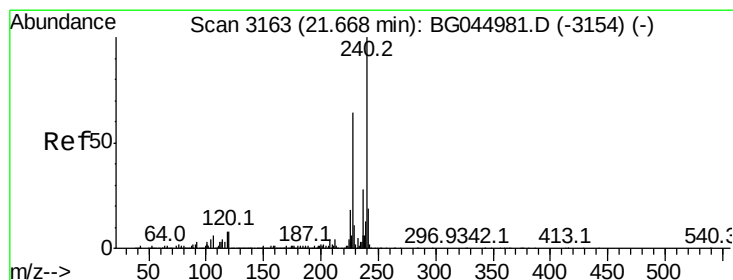
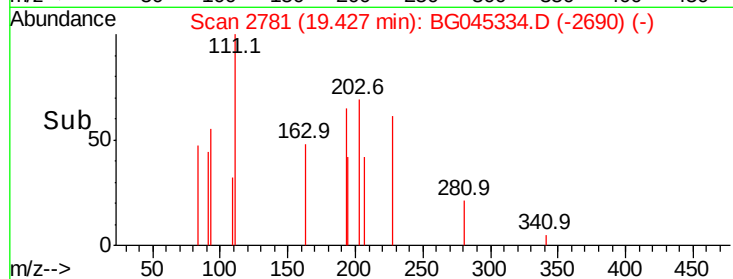
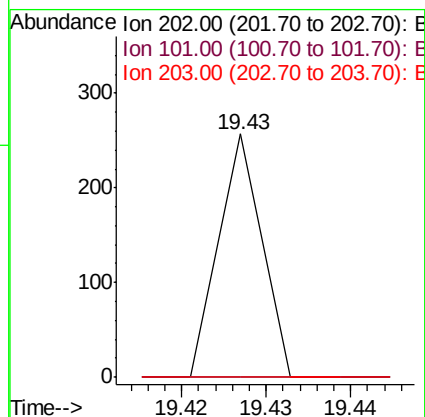
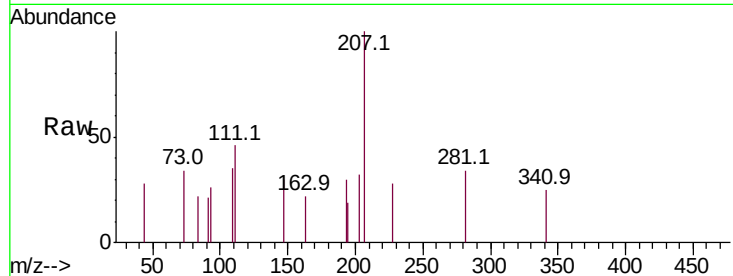
Instrument :

BNA_G

ClientSampleId :

PB128803BL

Tot Ion:	202	Resp:	91
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

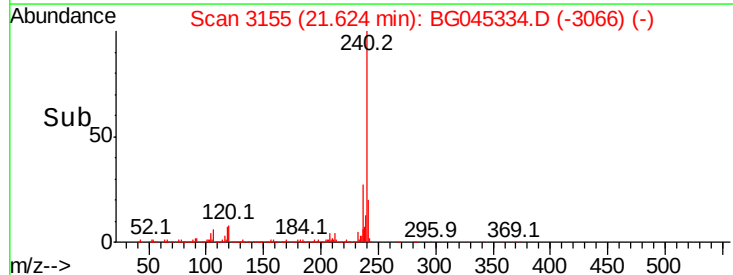
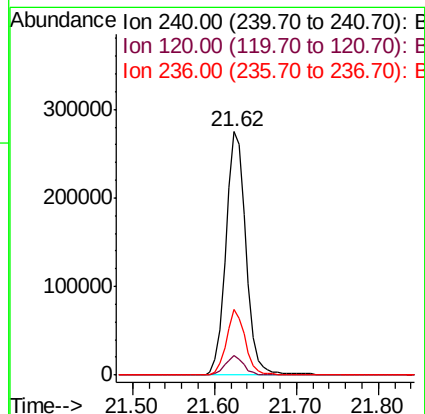
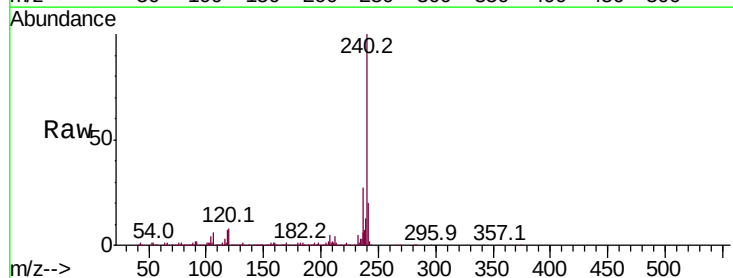
RT: 21.62 min Scan# 3155

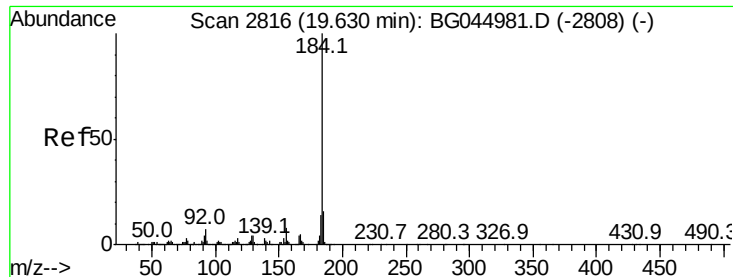
Delta R.T. -0.01 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

Tgt Ion:	240	Resp:	468251
Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.6	10.0
236	26.8	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

Instrument :

BNA_G

ClientSampleId :

PB128803BL

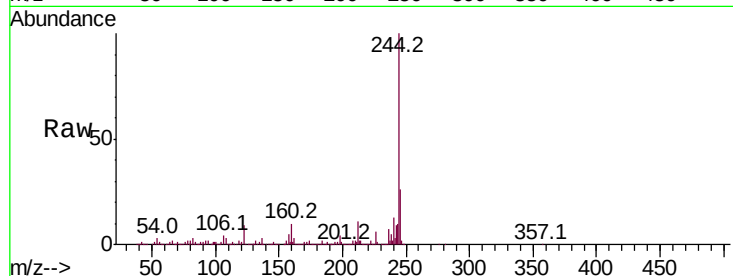
Tot Ion:184 Resp: 47422

Ion Ratio Lower Upper

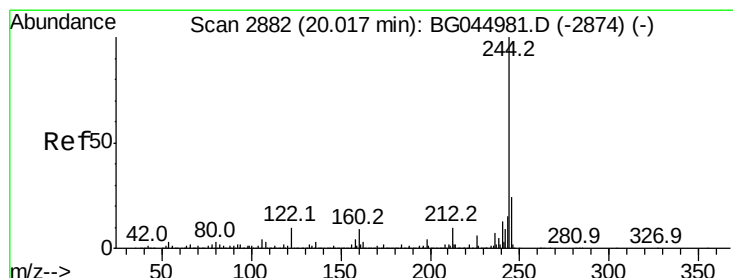
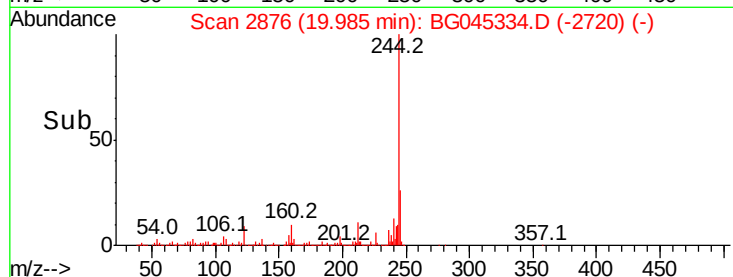
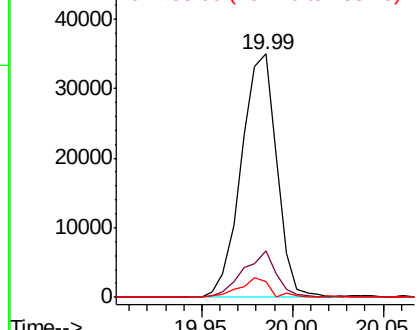
184 100

185 19.0 12.6 19.0#

183 6.2 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: 110.035 ng

RT: 19.99 min Scan# 2876

Delta R.T. 0.01 min

Lab File: BG045334.D

Acq: 12 May 2020 18:26

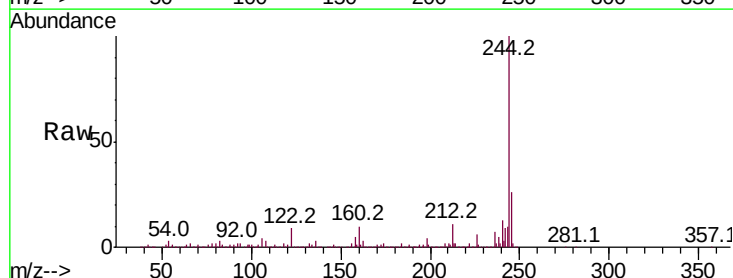
Tgt Ion:244 Resp: 2363952

Ion Ratio Lower Upper

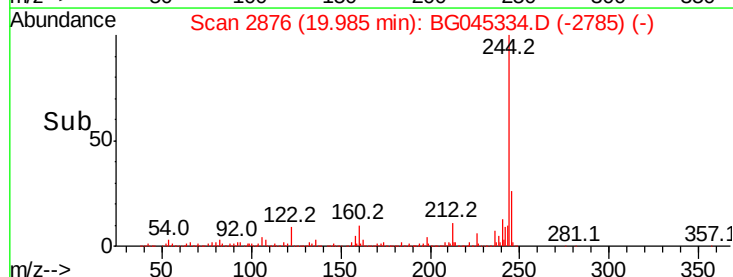
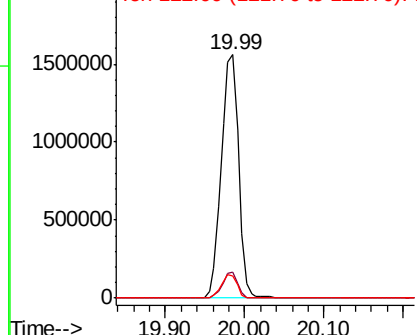
244 100

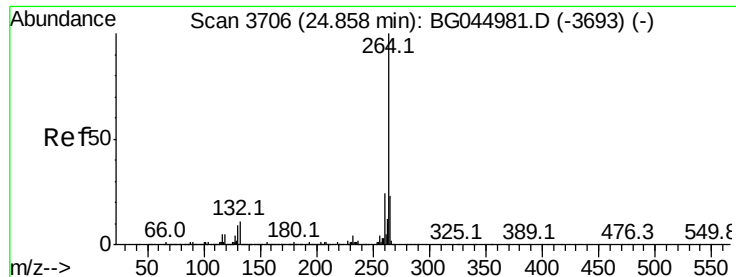
212 10.7 7.9 11.9

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
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.78 min Scan# 3693
 Delta R.T. -0.01 min
 Lab File: BG045334.D
 Acq: 12 May 2020 18:26

Instrument :
 BNA_G
 ClientSampleId :
 PB128803BL

Tot Ion:	264	Resp:	490585
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.2	28.8
265	20.9	19.0	28.4

