

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050720\
 Data File : BG045281.D
 Acq On : 7 May 2020 22:39
 Operator : CG/JU
 Sample : L2525-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 08 03:45:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 12:51:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.98	152	60239	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	222804	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	162645	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	380986	20.00	ng	0.00
76) Chrysene-d12	21.63	240	369017	20.00	ng	0.00
87) Perylene-d12	24.81	264	400752	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	400289	109.71	ng	0.00
7) Phenol-d6	7.15	99	492539	90.86	ng	0.00
23) Nitrobenzene-d5	9.14	82	458713	93.94	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	368827	146.79	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1071387	96.59	ng	0.00
79) Terphenyl-d14	19.99	244	1899265	112.18	ng	0.00

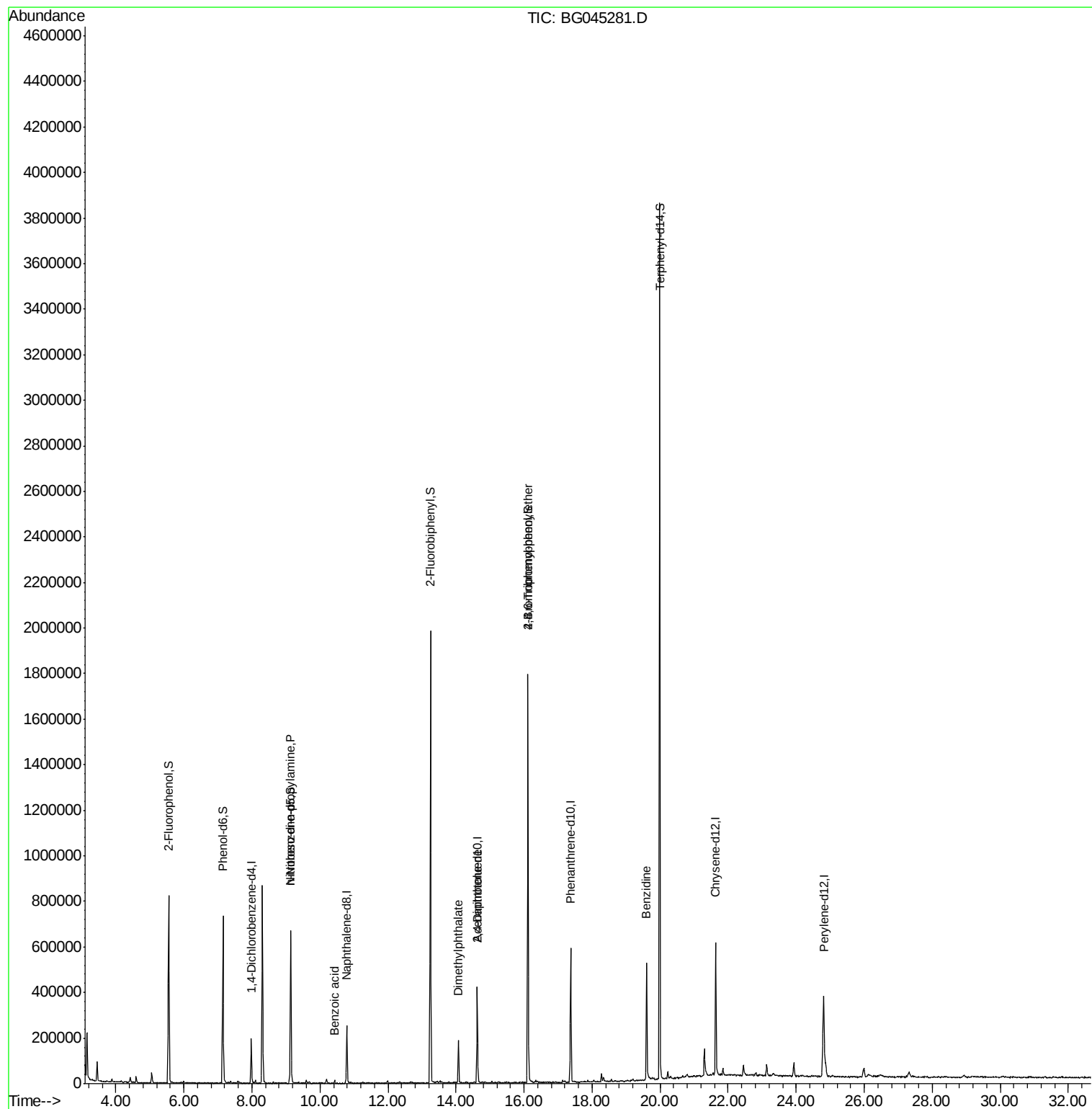
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	1583	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	9.14	70	63121	16.464	ng	# 77
32) Benzoic acid	10.44	122	528	6.539	ng	# 35
50) Dimethylphthalate	14.07	163	125811	9.500	ng	# 99
57) 2,4-Dinitrotoluene	14.63	165	20597	4.758	ng	# 23
67) 4-Bromophenyl-phenylether	16.11	248	25159	5.119	ng	# 1
69) Atrazine	16.88	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	12639	Below Cal	#	93
75) Fluoranthene	19.43	202	1318	Below Cal		84
77) Benzidine	19.60	184	351759	31.067	ng	97

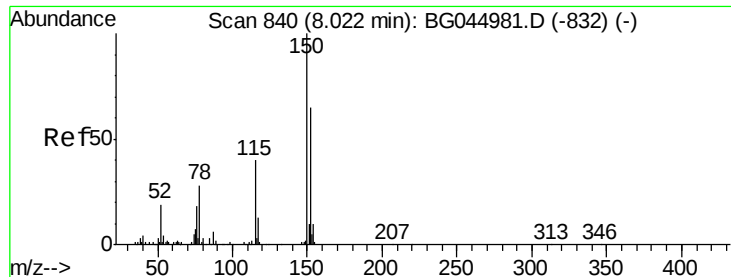
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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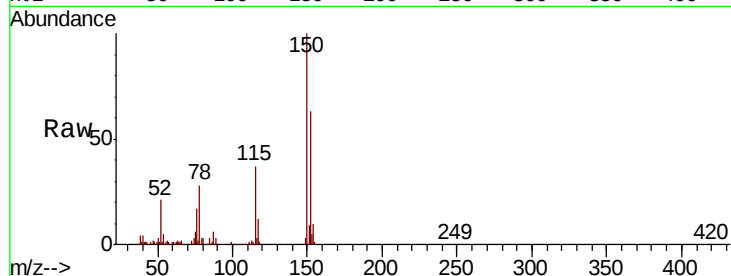


#1

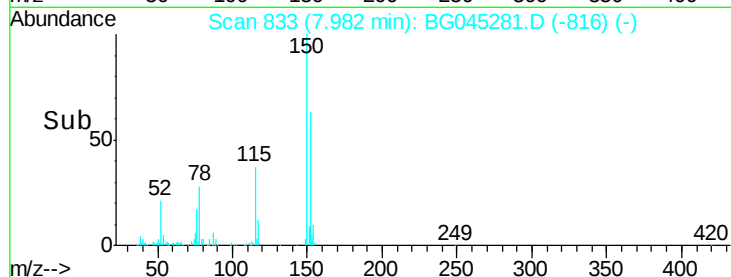
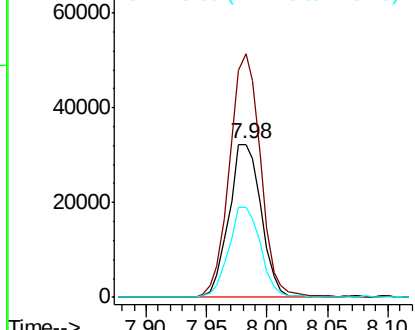
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 833
Delta R.T. -0.00 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	123.6	185.4
115	58.6	49.1	73.7



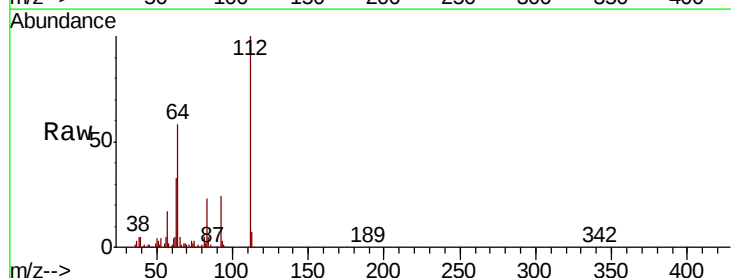
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



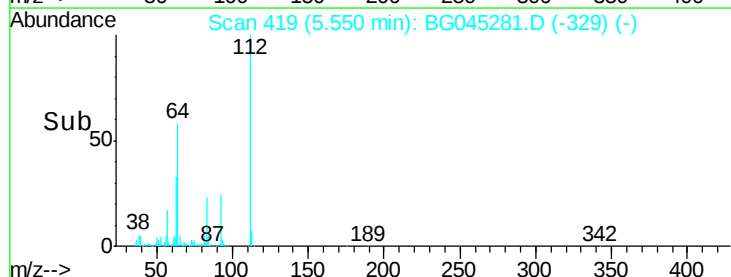
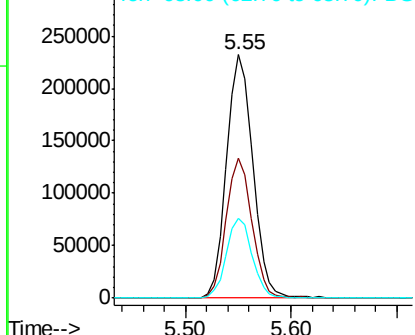
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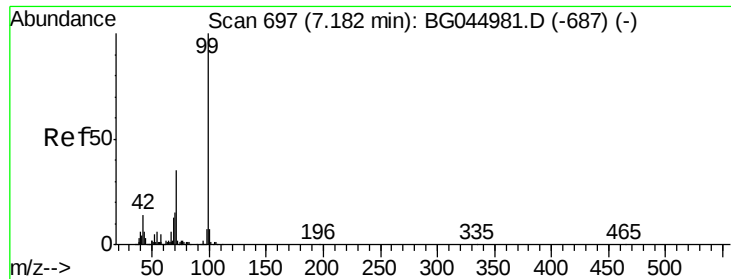
2-Fluorophenol
Concen: 109.706 ng
RT: 5.55 min Scan# 419
Delta R.T. -0.00 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	42.4	63.6
63	33.0	23.1	34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 90.855 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.00 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

Instrument :

BNA_G

ClientSampleId :

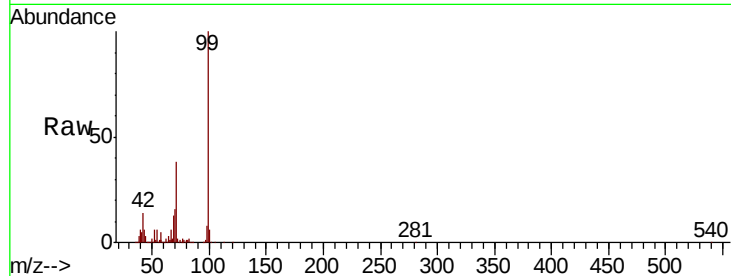
Tot Ion: 99 Resp: 492539

Ion Ratio Lower Upper

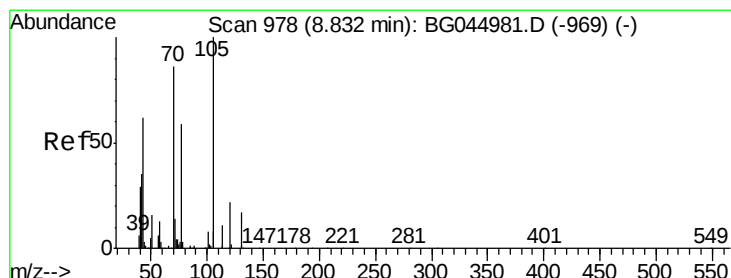
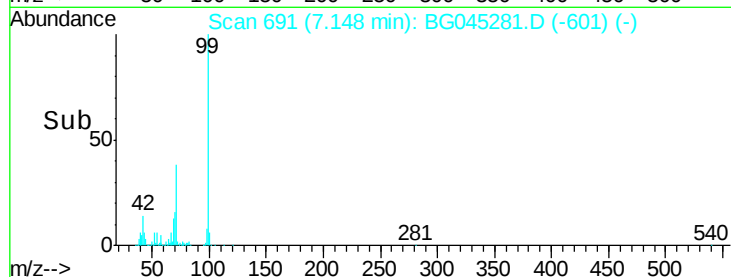
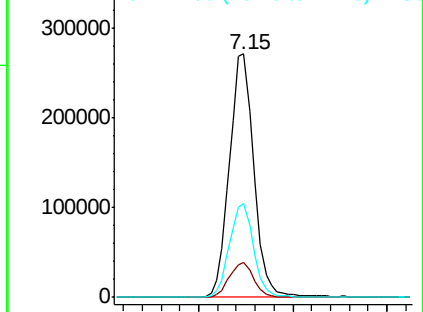
99 100

42 14.4 11.3 16.9

71 38.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.464 ng

RT: 9.14 min Scan# 1030

Delta R.T. 0.35 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

Tgt Ion: 70 Resp: 63121

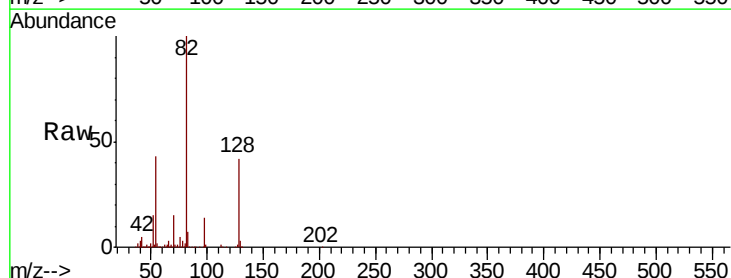
Ion Ratio Lower Upper

70 100

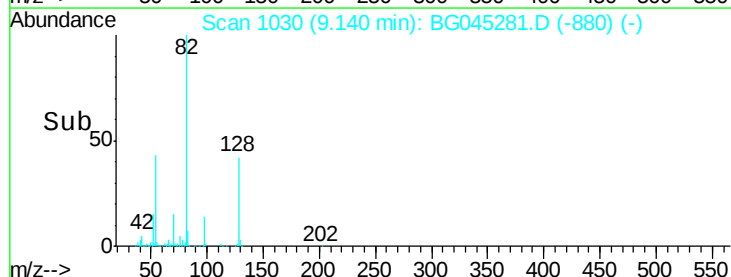
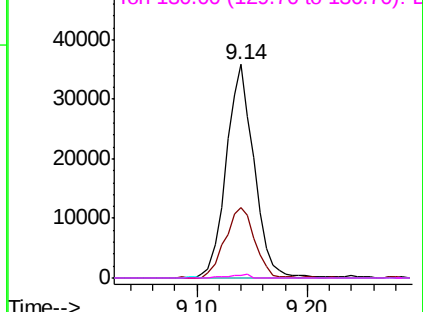
42 33.0 33.3 49.9#

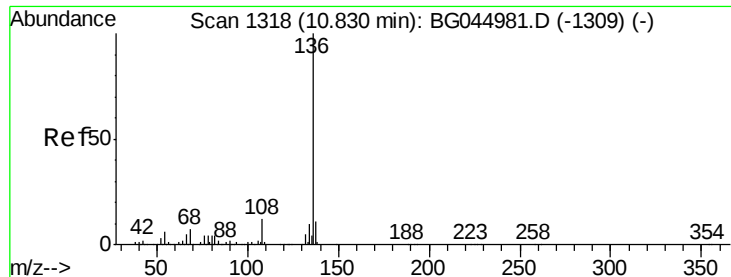
101 0.0 7.8 11.8#

130 1.1 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

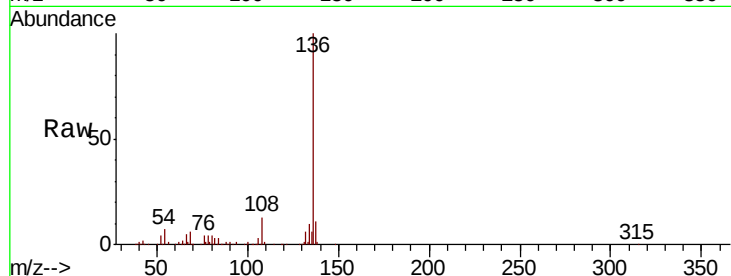




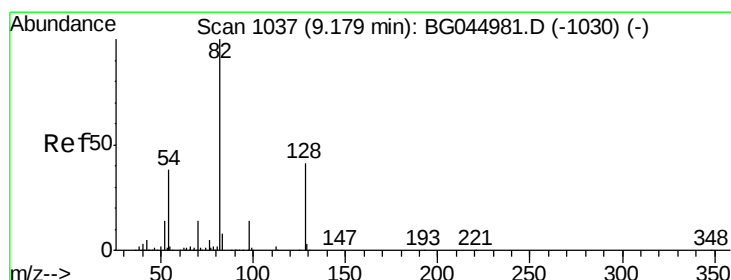
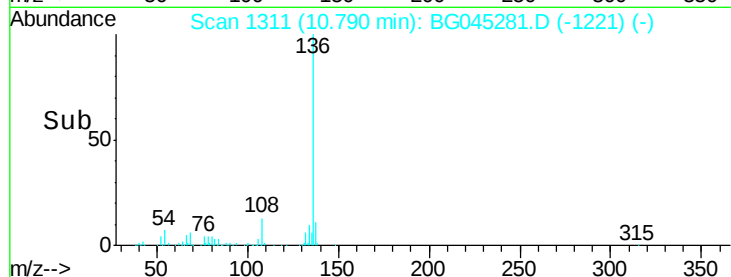
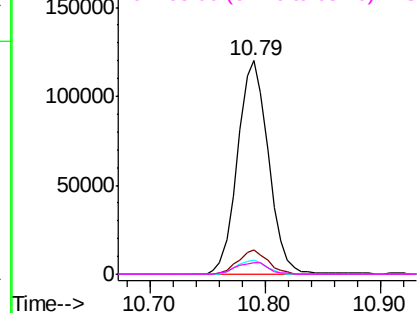
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.79 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	222804
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.6	13.0
54 6.5	4.8	7.2
68 5.6	5.2	7.8

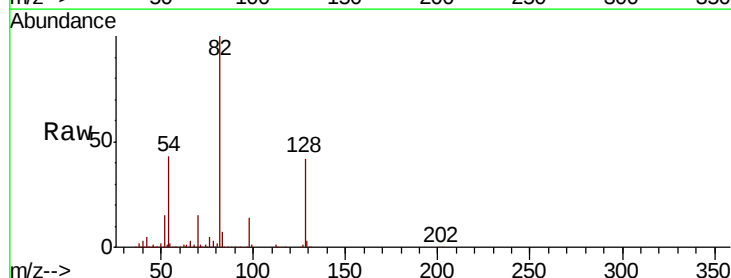


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

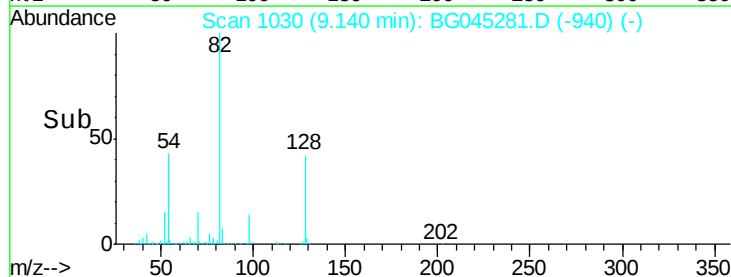
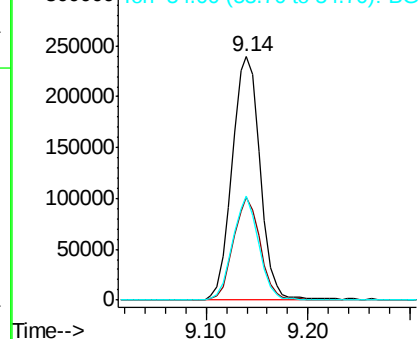


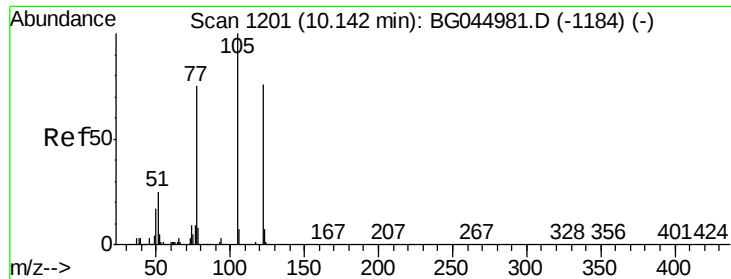
#23
Nitrobenzene-d5
Concen: 93.941 ng
RT: 9.14 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

Tgt Ion: 82	Resp: 458713
Ion Ratio	Lower Upper
82 100	
128 42.3	33.0 49.4
54 43.0	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

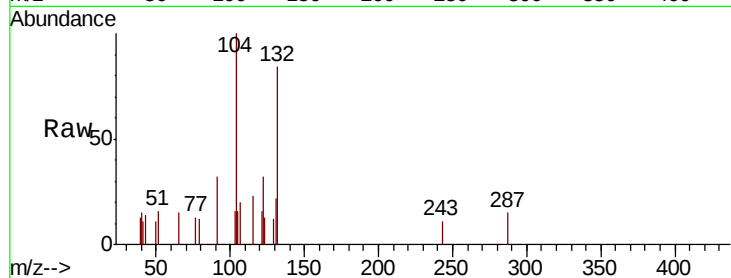




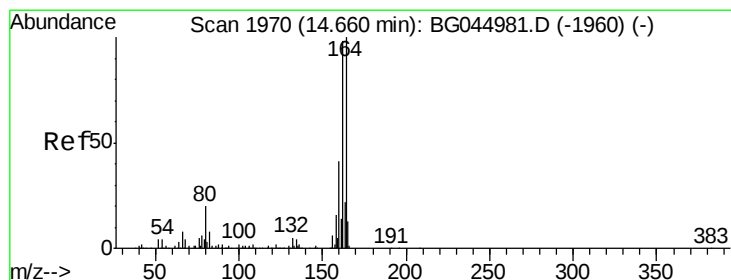
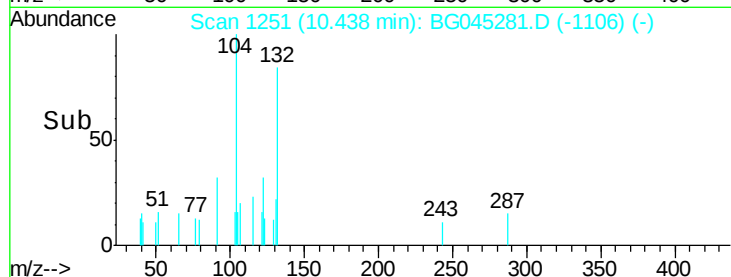
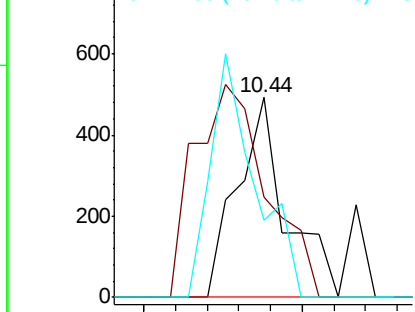
#32
Benzoic acid
Concen: 6.539 ng
RT: 10.44 min Scan# 1251
Delta R.T. 0.32 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	49.9	108.4	148.4#
77	38.7	78.8	118.8#

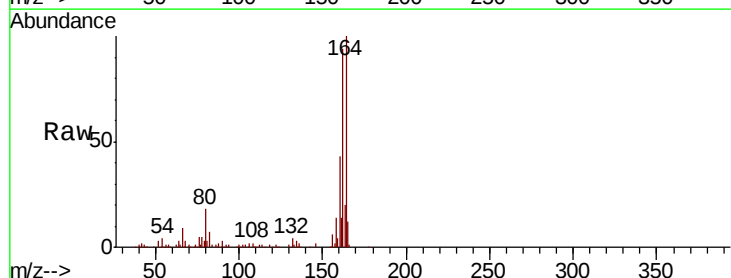


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

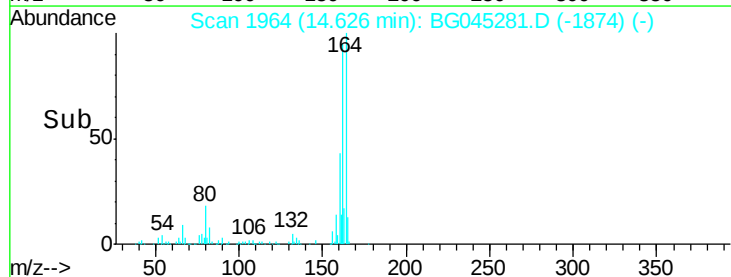
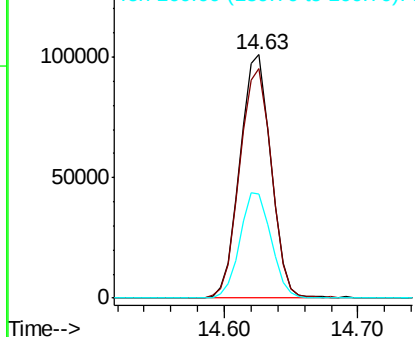


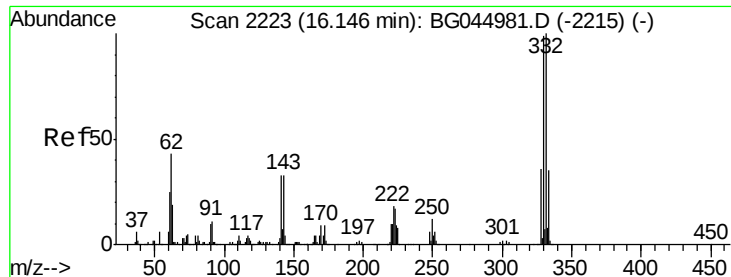
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.3	78.7	118.1
160	42.8	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

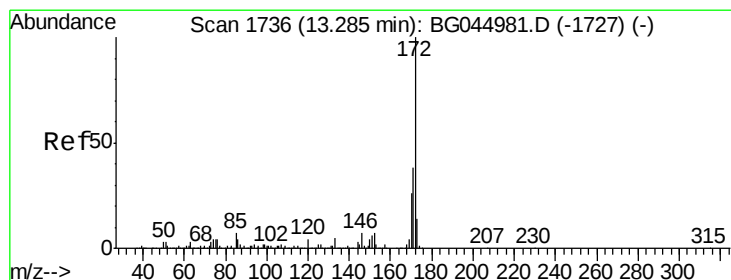
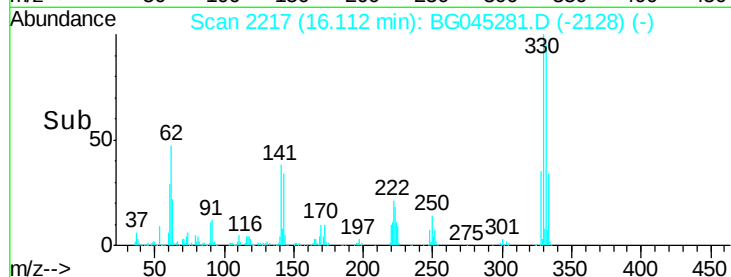
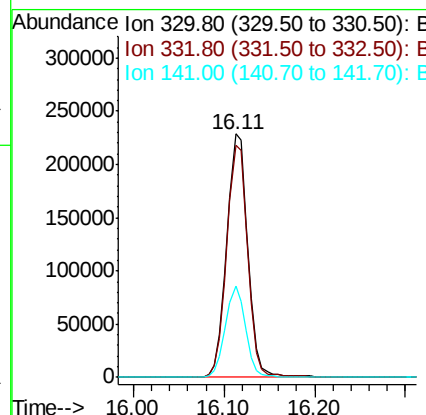
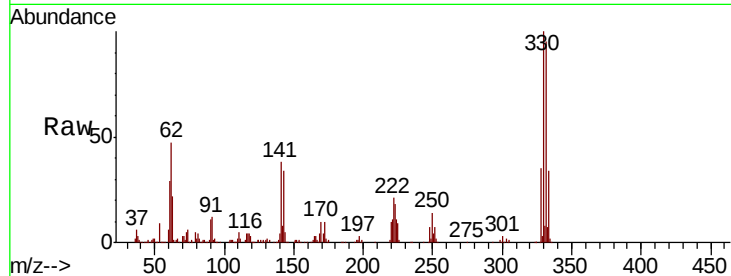




#42
 2,4,6-Tribromophenol
 Concen: 146.788 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BG045281.D
 Acq: 7 May 2020 22:39

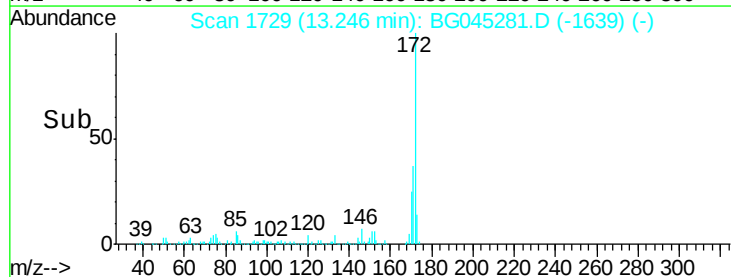
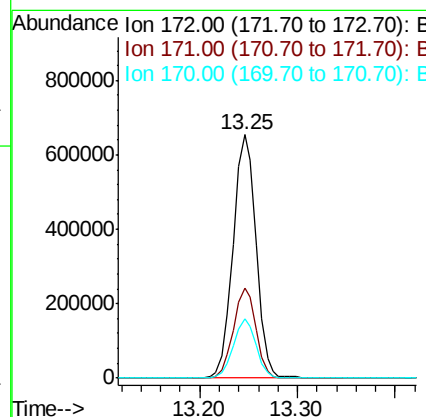
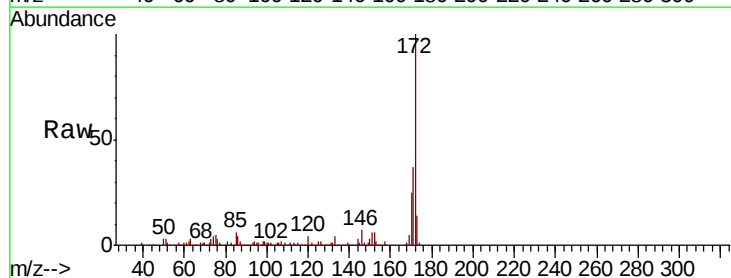
Instrument :
 BNA_G
 ClientSampleId :

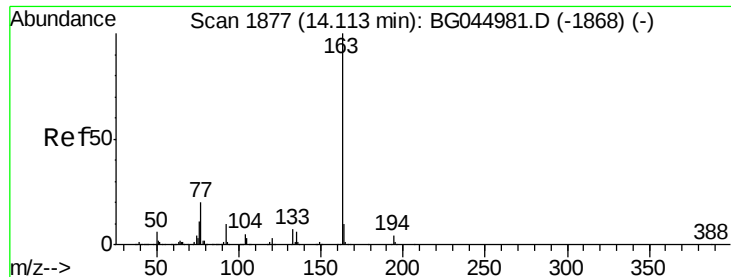
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	79.1	118.7
141	36.0	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 96.590 ng
 RT: 13.25 min Scan# 1729
 Delta R.T. -0.00 min
 Lab File: BG045281.D
 Acq: 7 May 2020 22:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.6	46.0
170	24.6	20.5	30.7





#50

Dimethylphthalate

Concen: 9.500 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

Instrument :

BNA_G

ClientSampled :

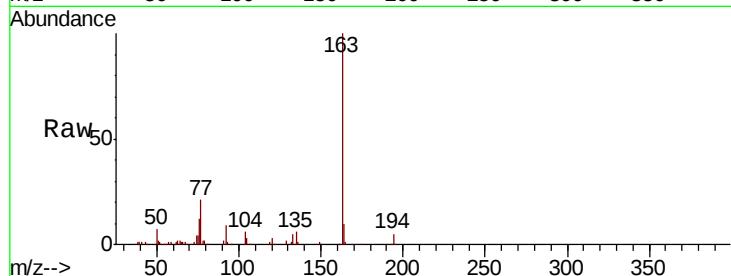
Tot Ion:163 Resp: 125811

Ion Ratio Lower Upper

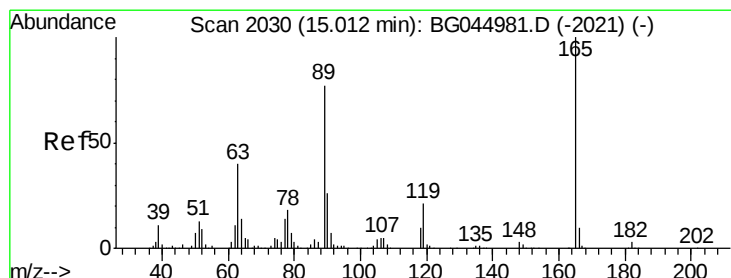
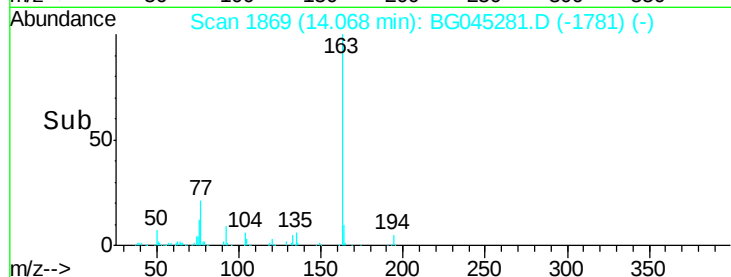
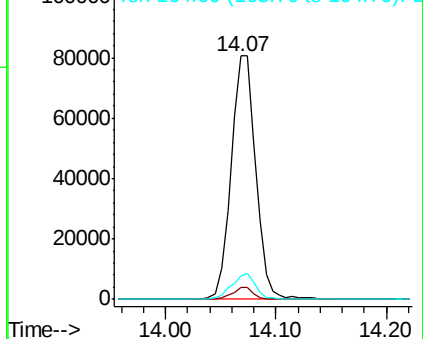
163 100

194 4.7 3.5 5.3

164 9.7 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 4.758 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.36 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

Tgt Ion:165 Resp: 20597

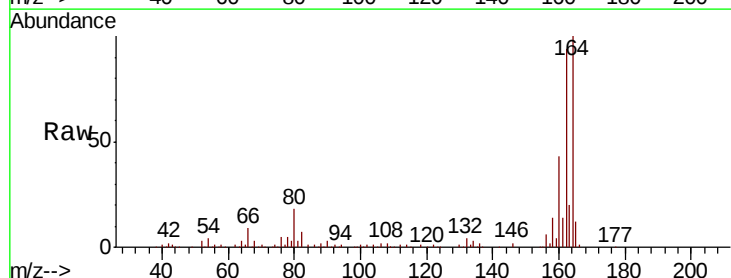
Ion Ratio Lower Upper

165 100

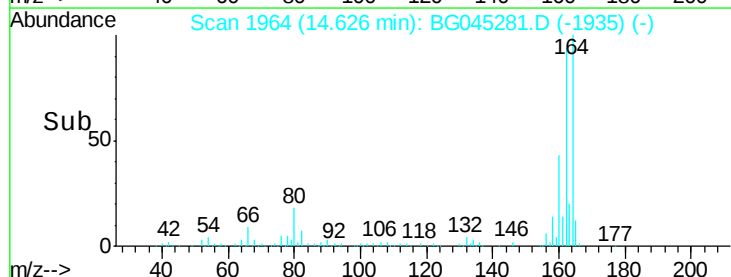
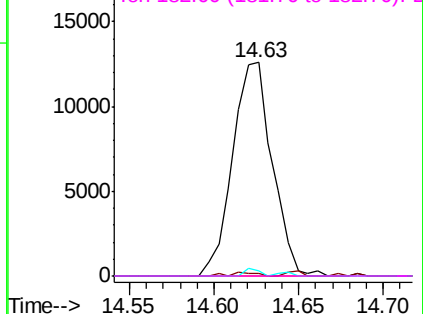
63 1.4 32.2 48.2#

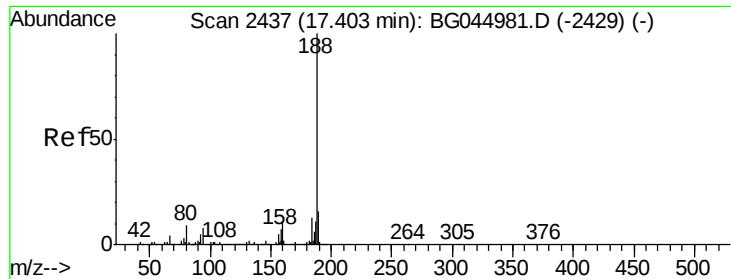
89 2.7 61.7 92.5#

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: 17.37 min Scan# 2431

Delta R.T. -0.01 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

Instrument :

BNA_G

ClientSampleId :

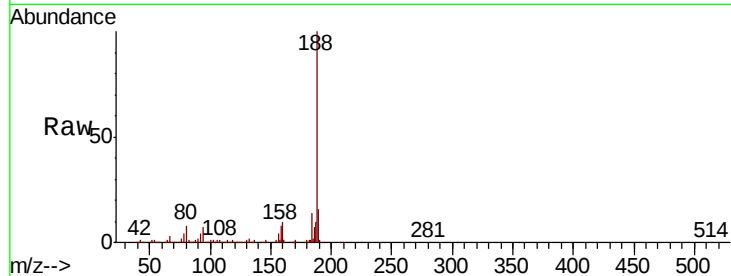
Tot Ion:188 Resp: 380986

Ion Ratio Lower Upper

188 100

94 7.4 6.2 9.4

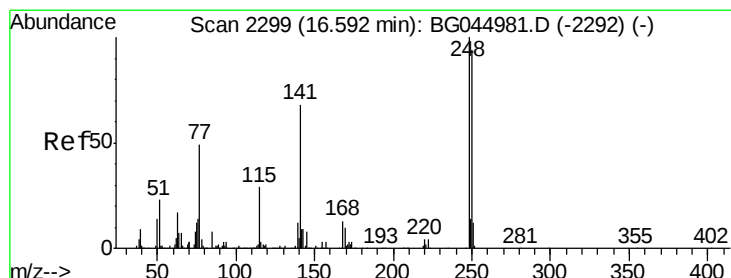
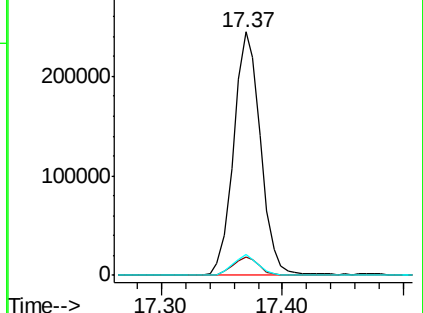
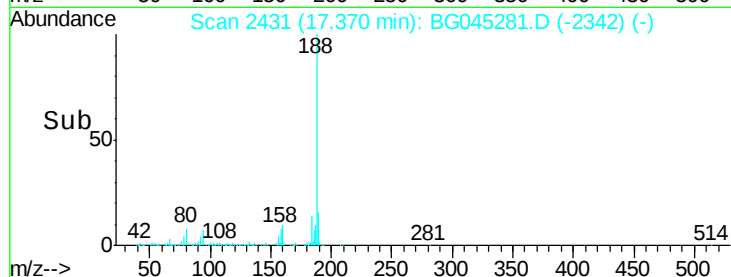
80 8.5 7.0 10.6



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: 5.119 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

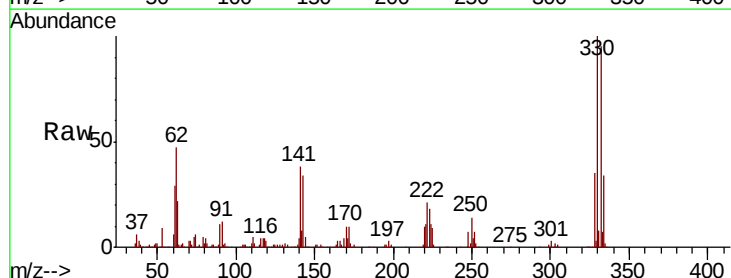
Tgt Ion:248 Resp: 25159

Ion Ratio Lower Upper

248 100

250 181.6 75.4 113.2#

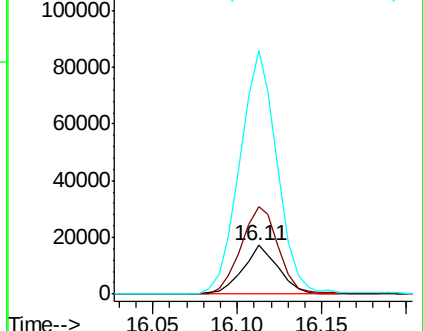
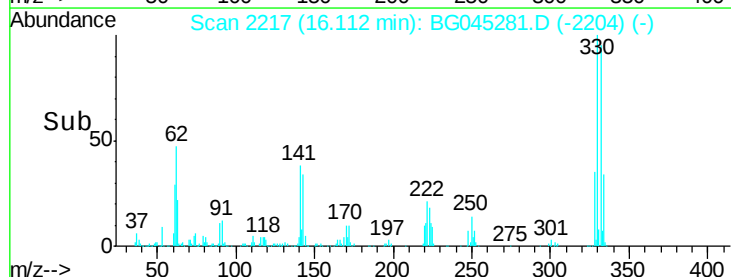
141 502.6 54.4 81.6#

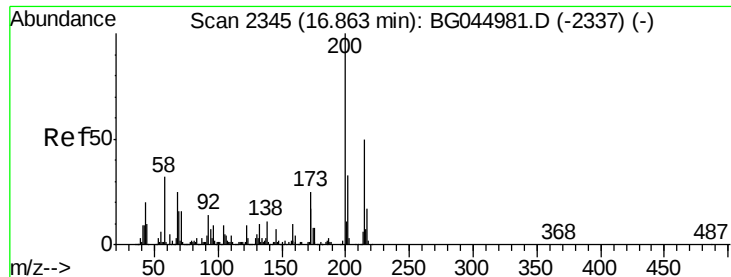


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.88 min Scan# 2348

Delta R.T. 0.05 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

Instrument :

BNA_G

ClientSampleId :

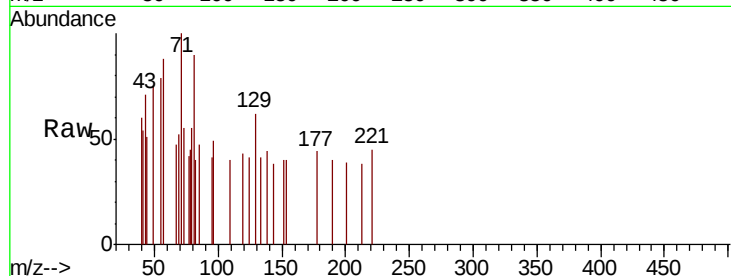
Tot Ion:200 Resp: 55

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

16.88

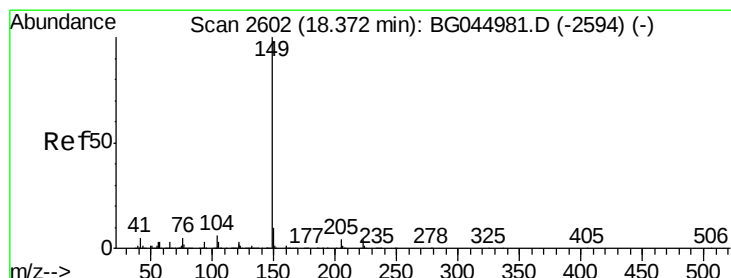
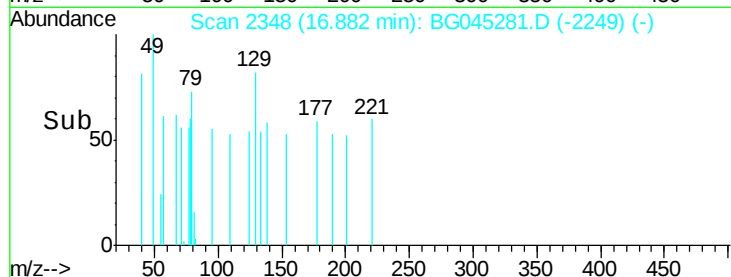
150

100

50

0

Time--> 16.86 16.88 16.90



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2596

Delta R.T. -0.00 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

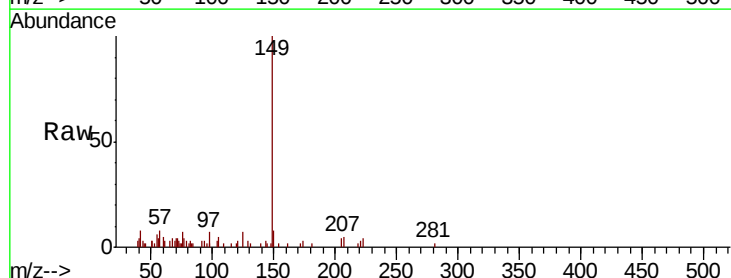
Tgt Ion:149 Resp: 12639

Ion Ratio Lower Upper

149 100

150 7.8 8.2 12.2#

104 3.3 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

18.34

12000

10000

8000

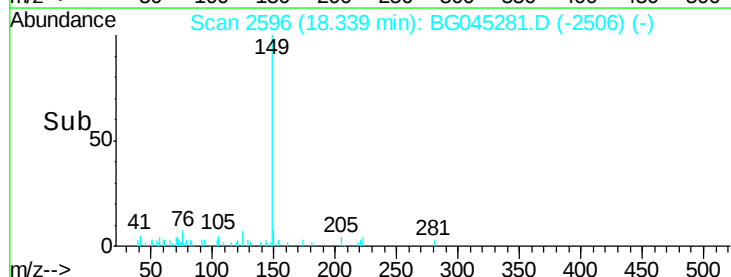
6000

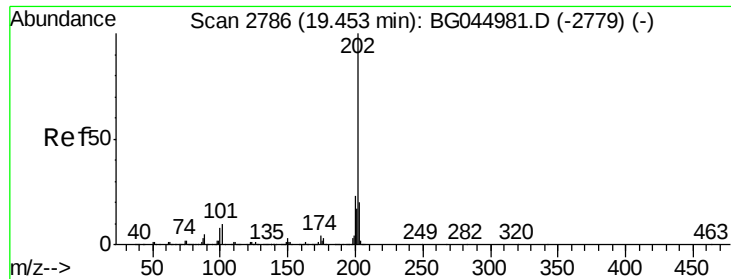
4000

2000

0

Time--> 18.30 18.35

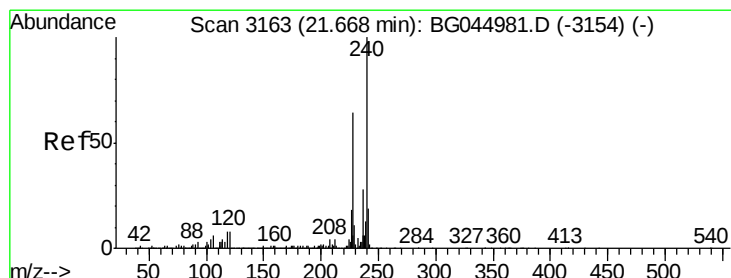
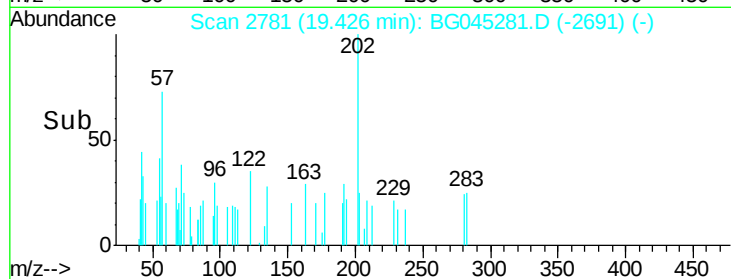
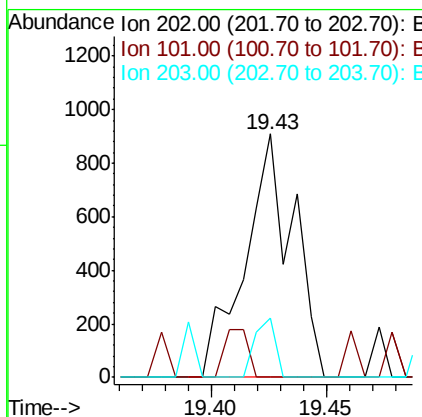
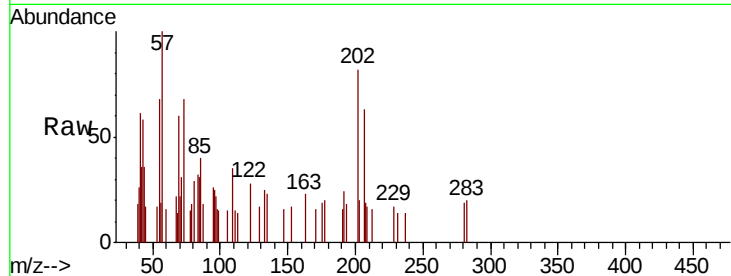




#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2781
Delta R.T. -0.00 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

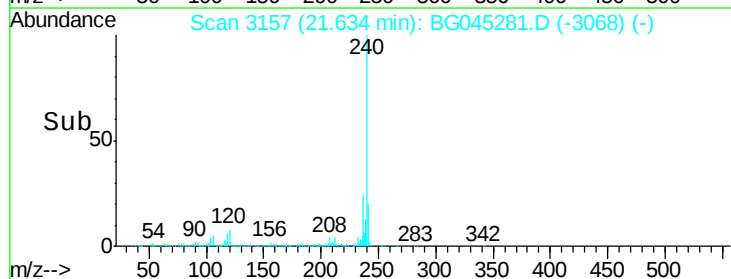
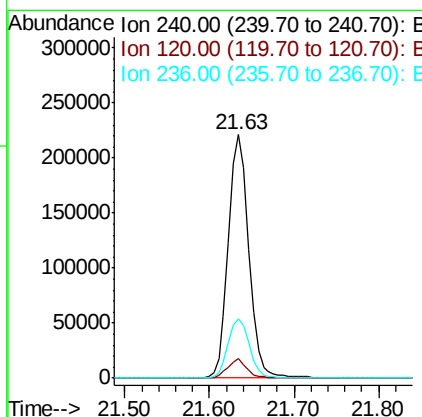
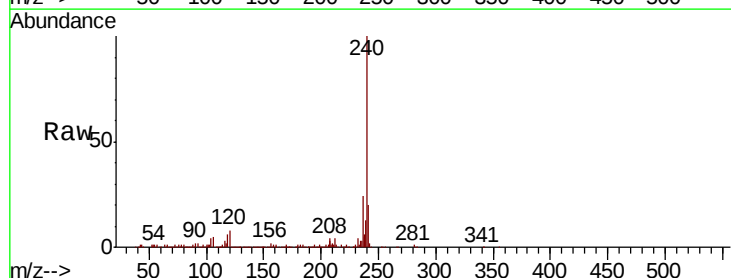
Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	24.5	0.0	39.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3157
Delta R.T. -0.01 min
Lab File: BG045281.D
Acq: 7 May 2020 22:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.6	10.0
236	24.4	22.2	33.2





#77

Benzidine

Concen: 31.067 ng

RT: 19.60 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

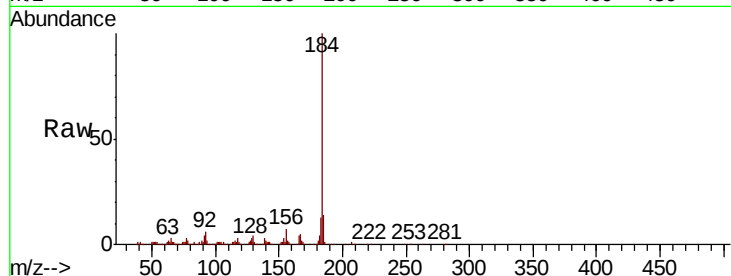
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 351759

Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.6	19.0
183	12.8	11.3	16.9

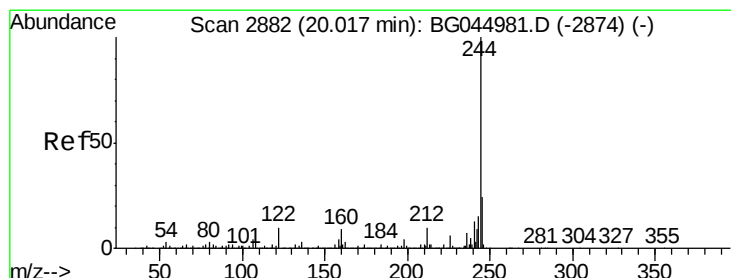
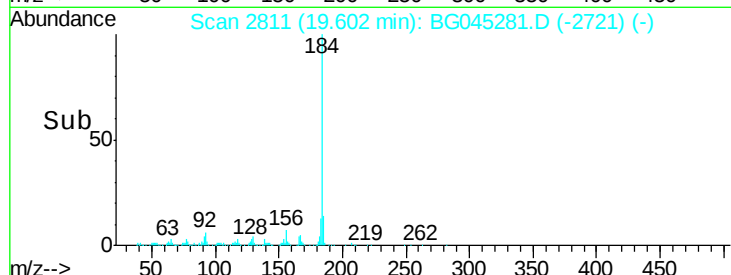
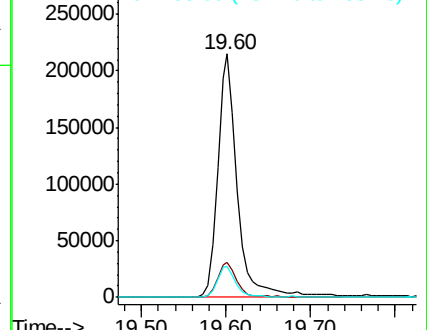


Abundance

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: 112.178 ng

RT: 19.99 min Scan# 2877

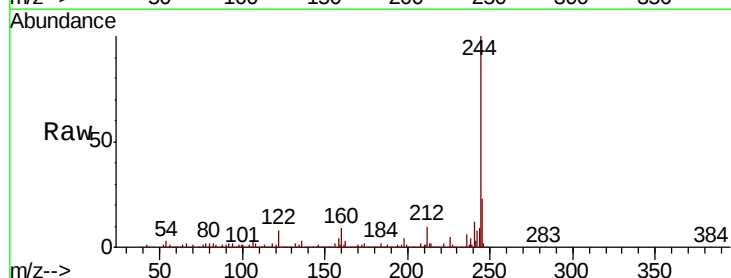
Delta R.T. -0.00 min

Lab File: BG045281.D

Acq: 7 May 2020 22:39

Tgt Ion:244 Resp: 1899265

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.9	11.9
122	8.3	7.7	11.5

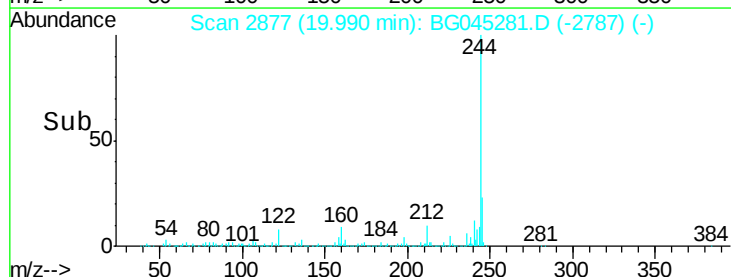
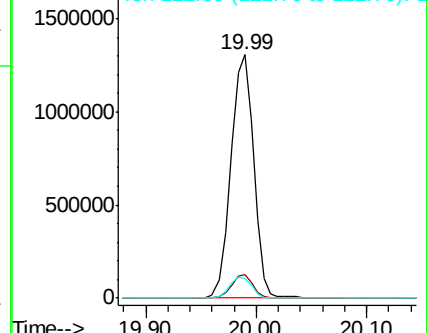


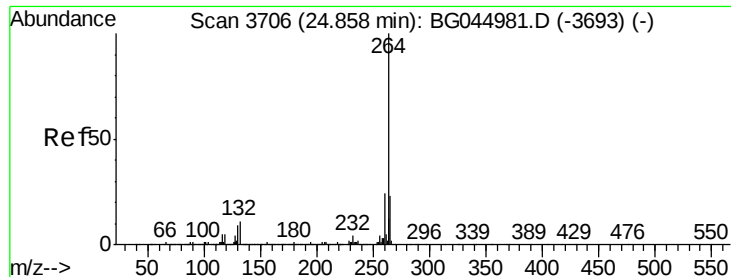
Abundance

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

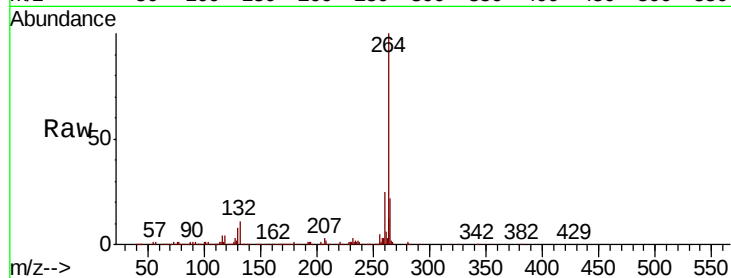




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.81 min Scan# 3697
 Delta R.T. -0.01 min
 Lab File: BG045281.D
 Acq: 7 May 2020 22:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.4	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

