

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050120\
 Data File : BG045228.D
 Acq On : 1 May 2020 22:58
 Operator : CG/JU
 Sample : PB128614TB
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 05:01:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 11:17:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	65075	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	249139	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	189823	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	457519	20.00	ng	0.00
76) Chrysene-d12	21.64	240	475901	20.00	ng	-0.01
87) Perylene-d12	24.82	264	502327	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	504014	127.87	ng	0.00
7) Phenol-d6	7.15	99	709874	121.21	ng	0.00
23) Nitrobenzene-d5	9.15	82	487667	89.31	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	395923	135.01	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1167494	90.18	ng	0.00
79) Terphenyl-d14	19.99	244	2136629	97.85	ng	0.00

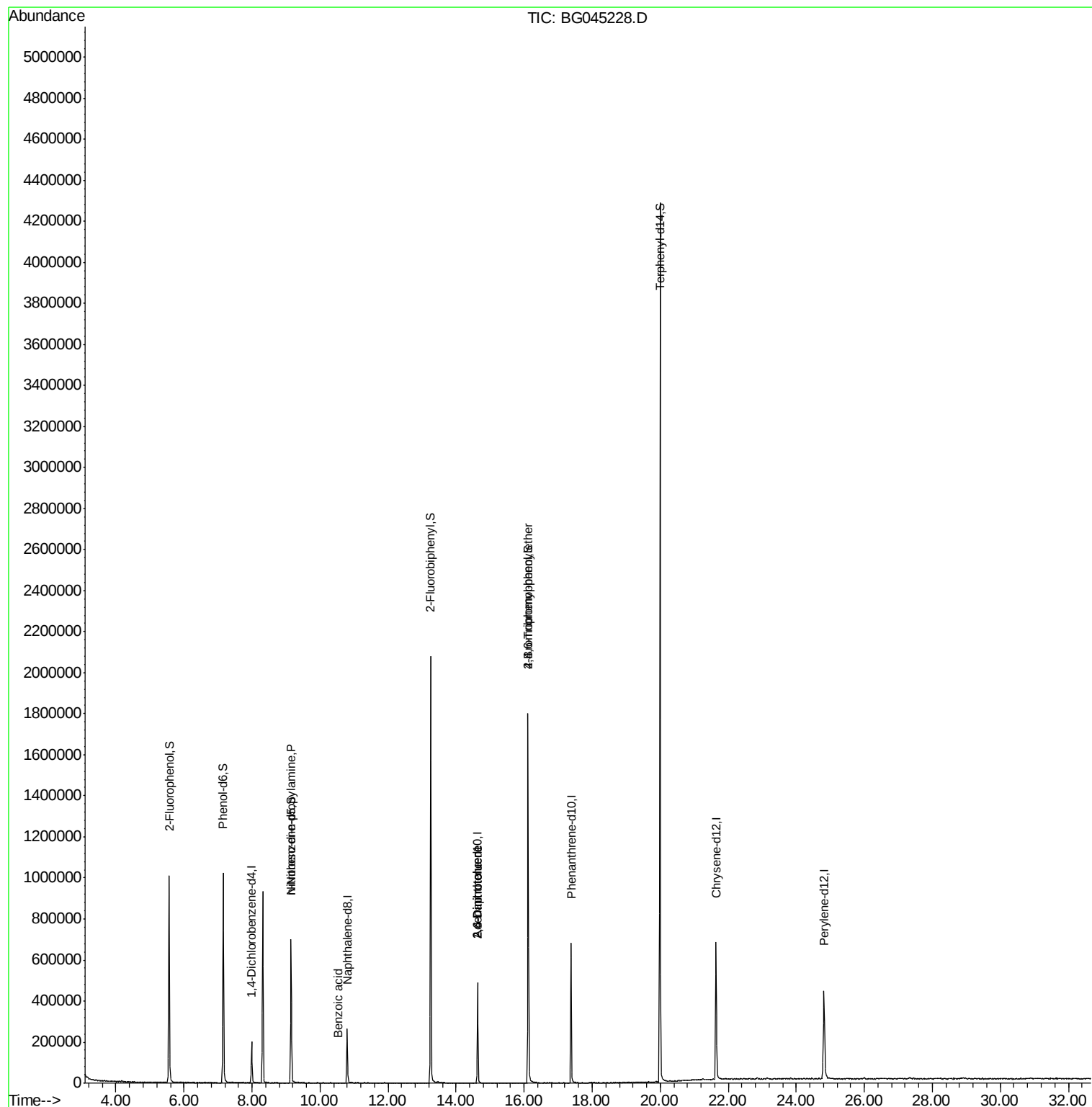
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	1157	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	65683	15.859 ng	#	81
32) Benzoic acid	10.54	122	61	6.391 ng	#	1
51) 2,6-Dinitrotoluene	14.63	165	23860	6.902 ng	#	25
57) 2,4-Dinitrotoluene	14.63	165	23860	4.723 ng	#	23
67) 4-Bromophenyl-phenylether	16.12	248	26685	4.521 ng	#	1
69) Atrazine	17.15	200	55	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	71	Below Cal	#	76
75) Fluoranthene	19.39	202	56	Below Cal	#	62
77) Benzidine	19.99	184	41807	Below Cal	#	92

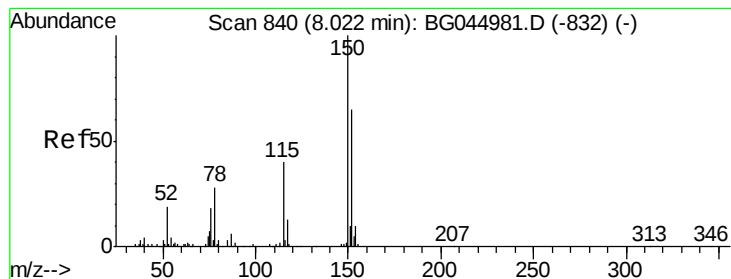
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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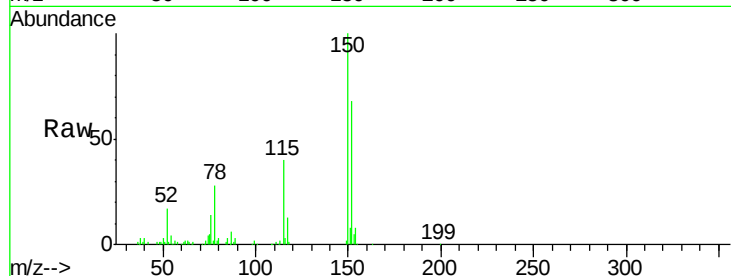


#1

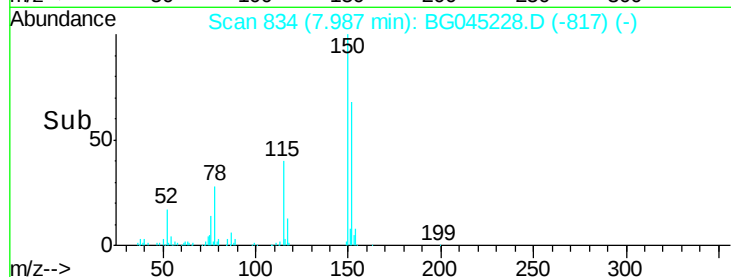
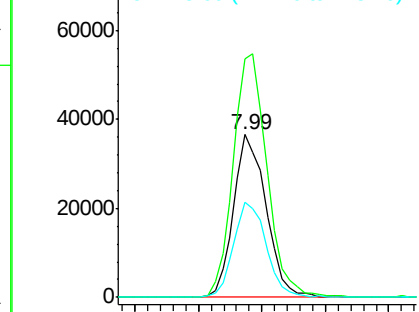
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG045228.D
Acq: 1 May 2020 22:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.0	123.6	185.4
115	58.4	49.1	73.7



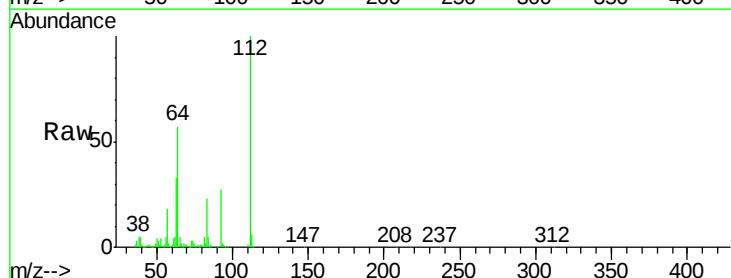
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



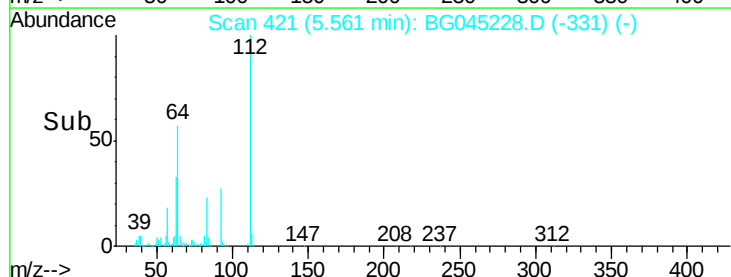
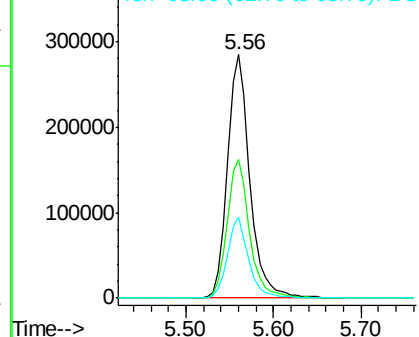
#5

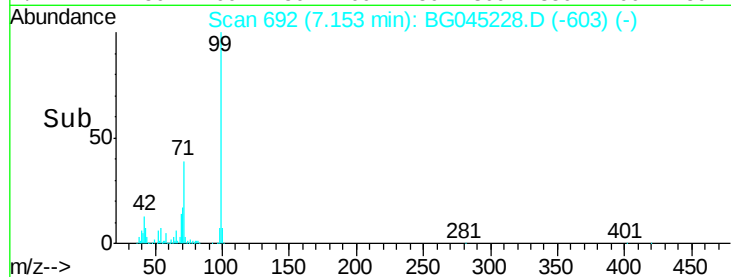
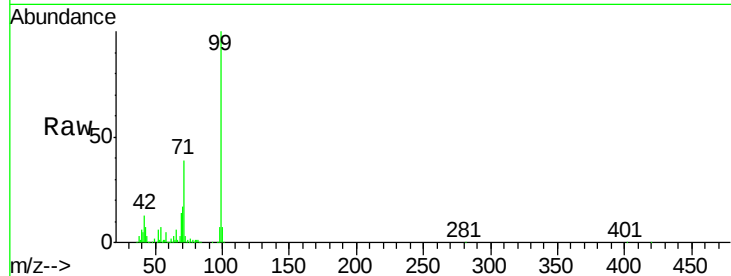
2-Fluorophenol
Concen: 127.868 ng
RT: 5.56 min Scan# 421
Delta R.T. 0.00 min
Lab File: BG045228.D
Acq: 1 May 2020 22:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	42.4	63.6
63	33.1	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: 121.214 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

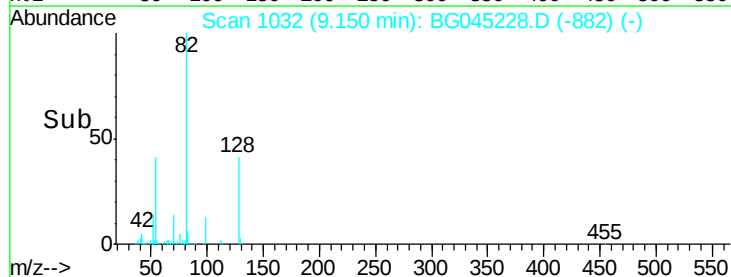
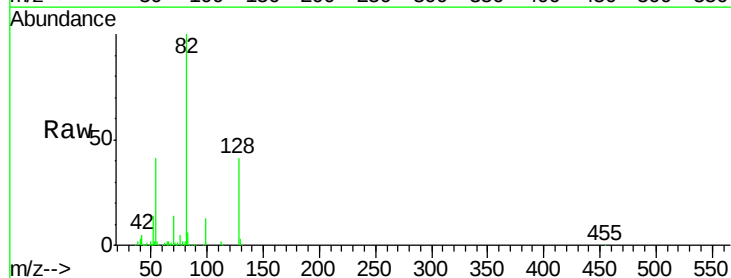
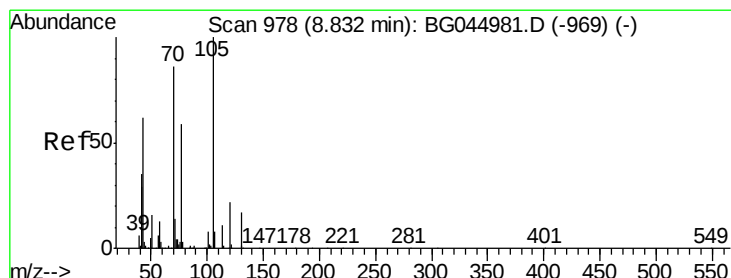
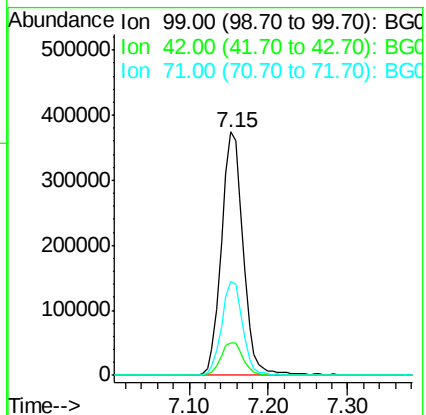
Tot Ion: 99 Resp: 709874

Ion Ratio Lower Upper

99 100

42 13.2 11.3 16.9

71 38.7 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.859 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

Tgt Ion: 70 Resp: 65683

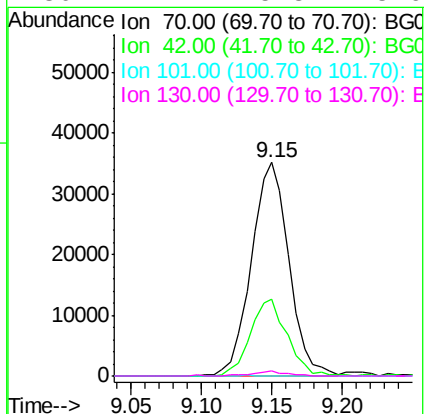
Ion Ratio Lower Upper

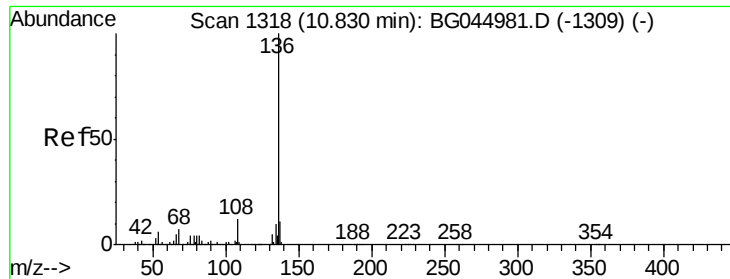
70 100

42 36.1 33.3 49.9

101 0.0 7.8 11.8#

130 2.4 15.8 23.6#

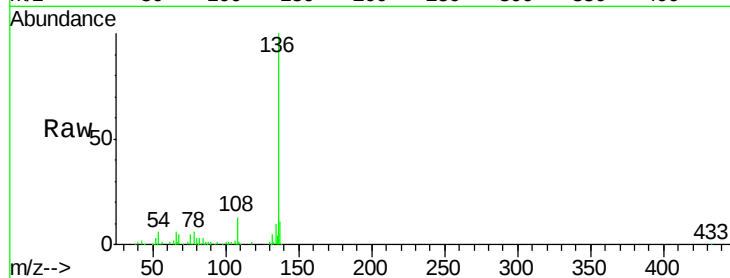




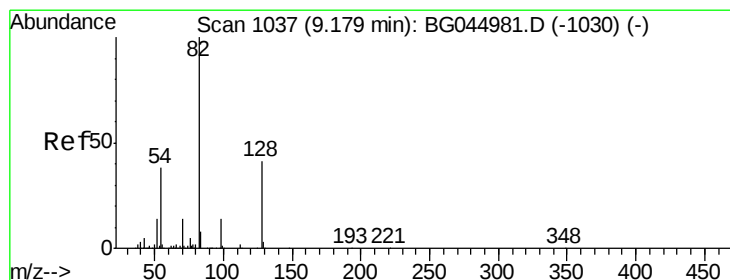
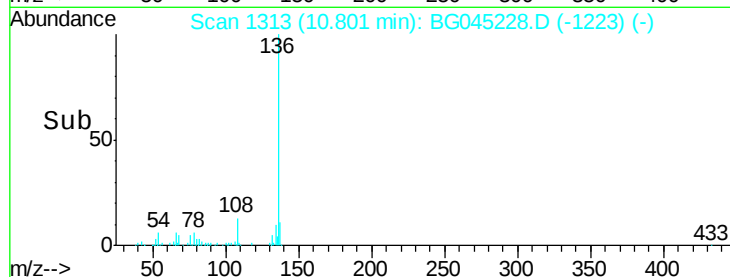
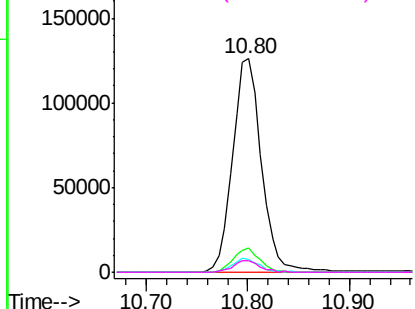
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG045228.D
Acq: 1 May 2020 22:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 249139
Ion Ratio	Lower Upper
136 100	
137 11.4	8.6 13.0
54 6.1	4.8 7.2
68 5.3	5.2 7.8

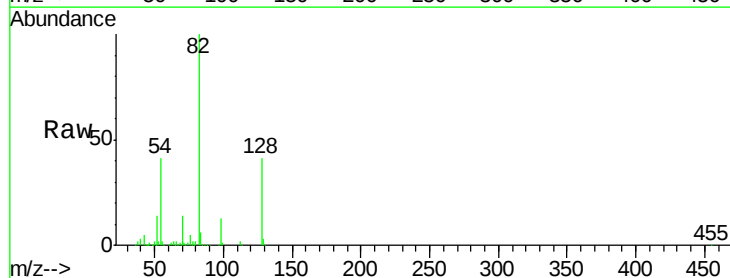


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

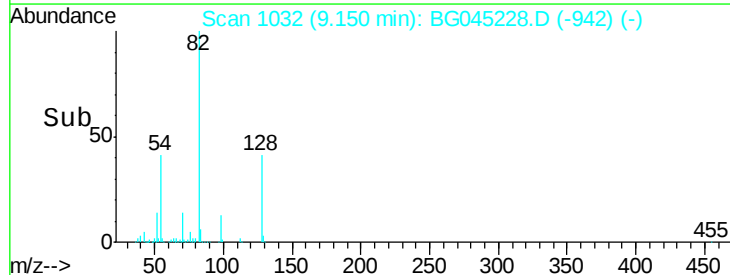
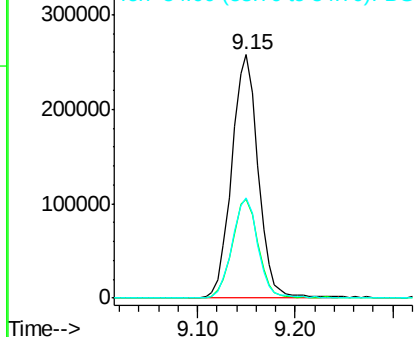


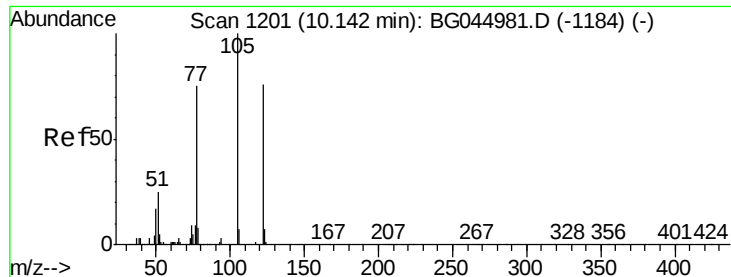
#23
Nitrobenzene-d5
Concen: 89.314 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG045228.D
Acq: 1 May 2020 22:58

Tgt	Ion: 82	Resp:	487667
Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.0	49.4
54	41.2	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

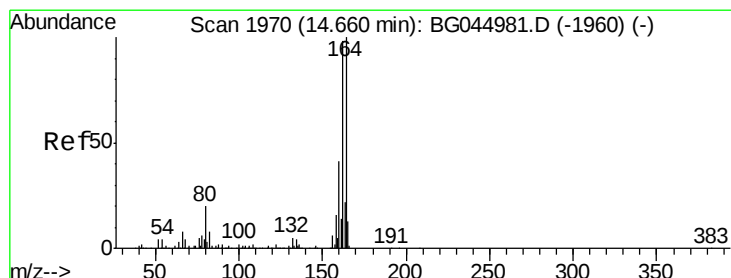
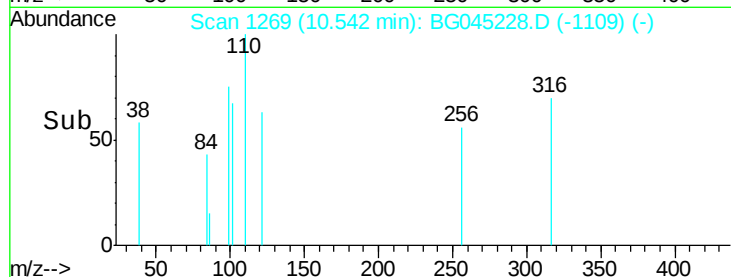
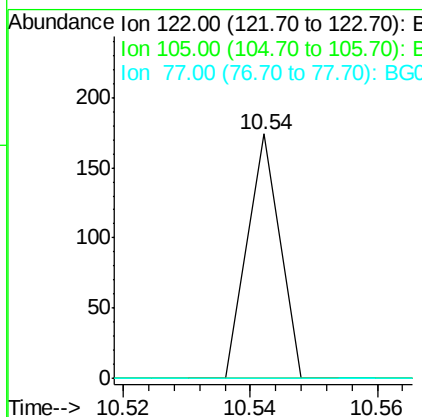
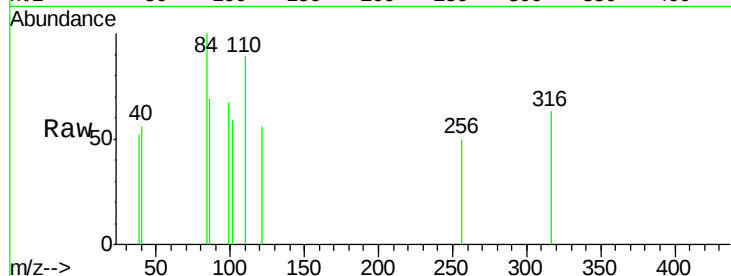




#32
Benzoic acid
Concen: 6.391 ng
RT: 10.54 min Scan# 1269
Delta R.T. 0.41 min
Lab File: BG045228.D
Acq: 1 May 2020 22:58

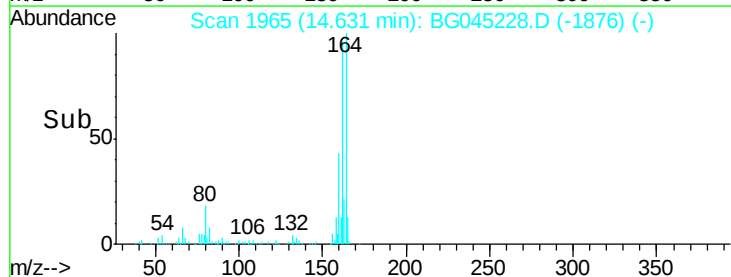
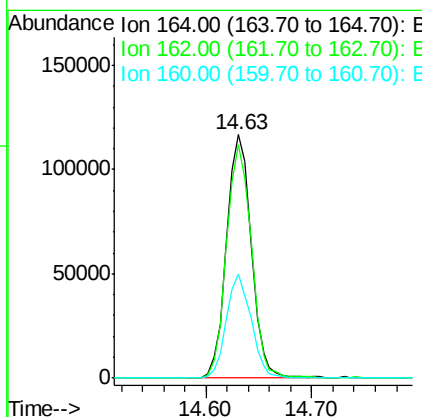
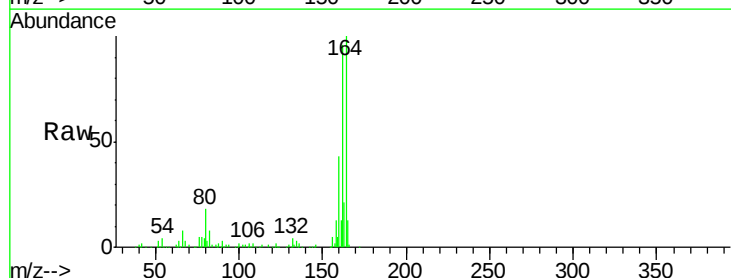
Instrument :
BNA_G
ClientSampleId :

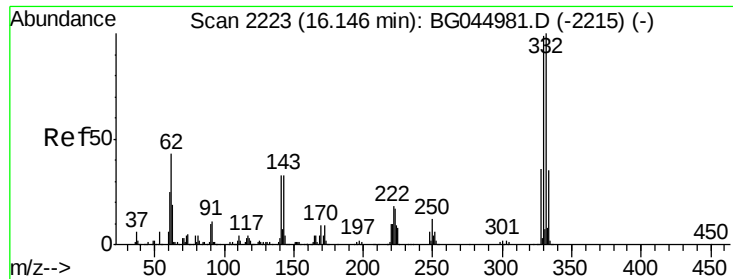
Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BG045228.D
Acq: 1 May 2020 22:58

Tgt Ion:164 Resp: 189823
Ion Ratio Lower Upper
164 100
162 96.1 78.7 118.1
160 42.9 32.8 49.2

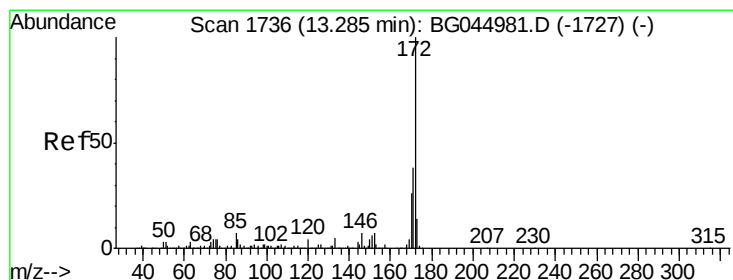
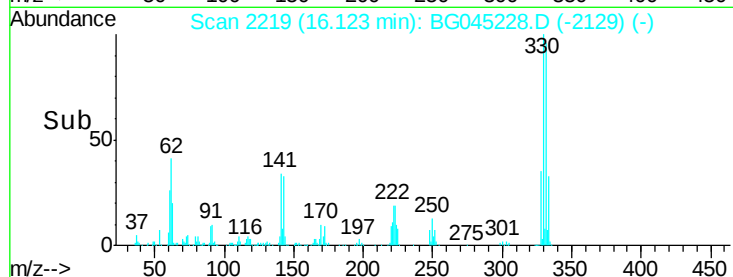
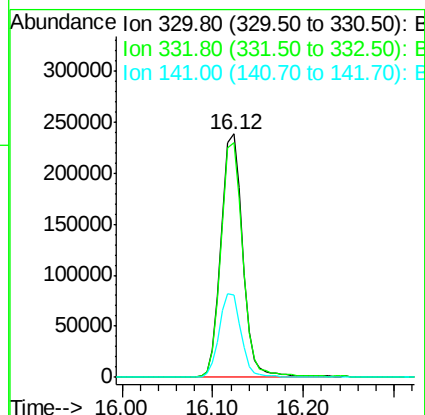
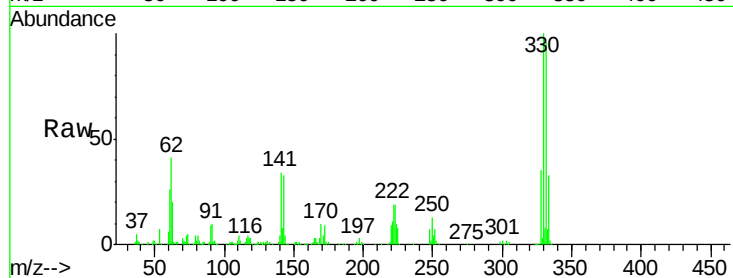




#42
 2,4,6-Tribromophenol
 Concen: 135.011 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BG045228.D
 Acq: 1 May 2020 22:58

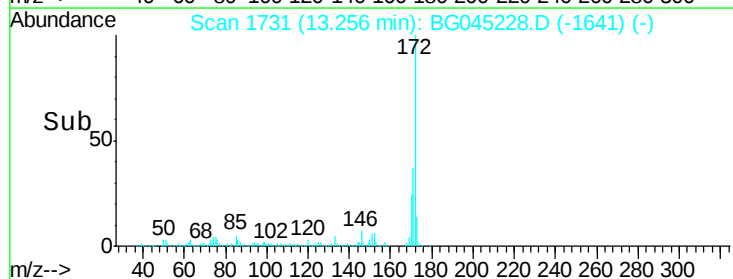
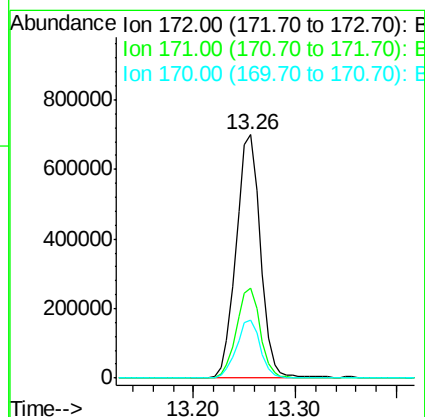
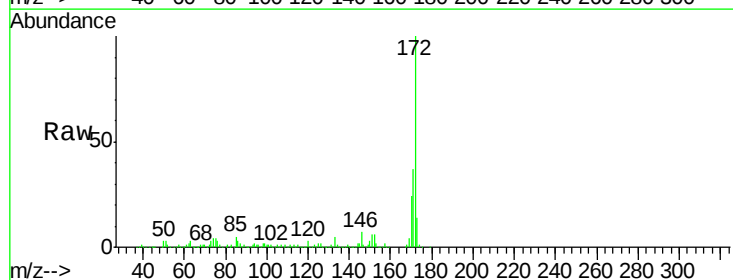
Instrument :
 BNA_G
 ClientSampleId :

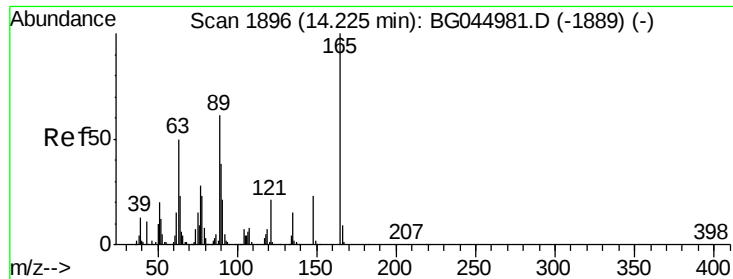
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	34.4	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 90.185 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG045228.D
 Acq: 1 May 2020 22:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.6	46.0
170	23.8	20.5	30.7

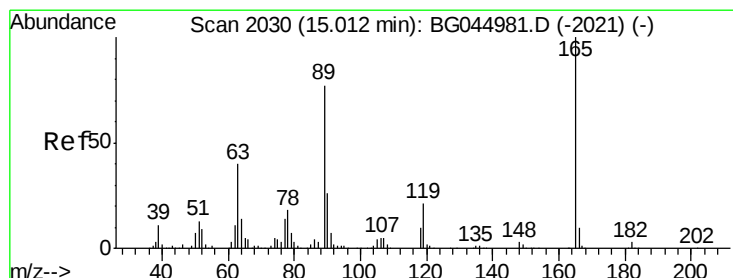
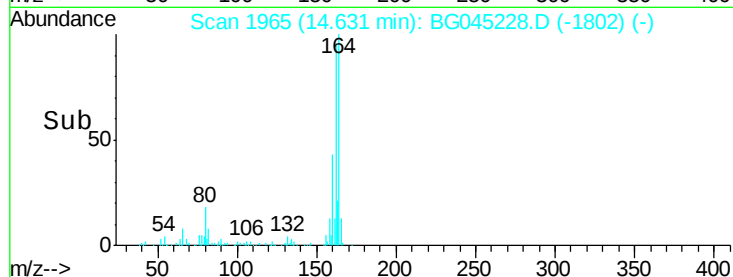
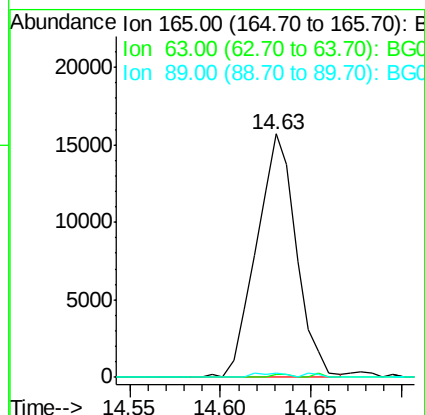
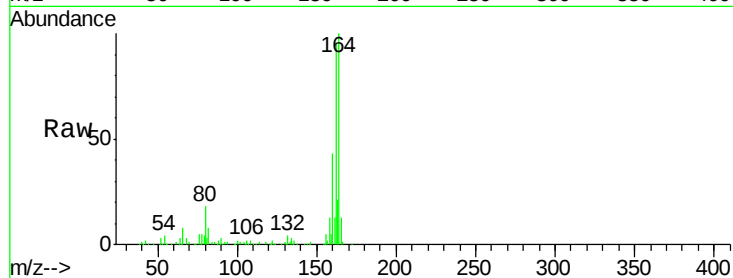




#51
 2,6-Dinitrotoluene
 Concen: 6.902 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. 0.43 min
 Lab File: BG045228.D
 Acq: 1 May 2020 22:58

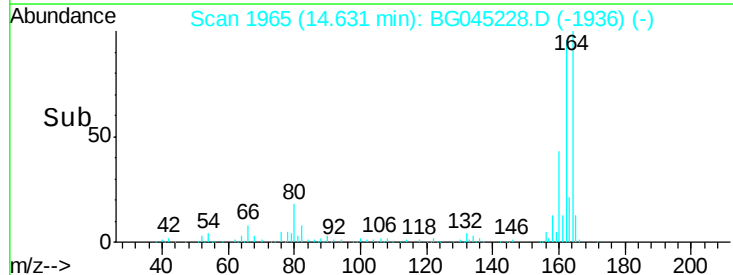
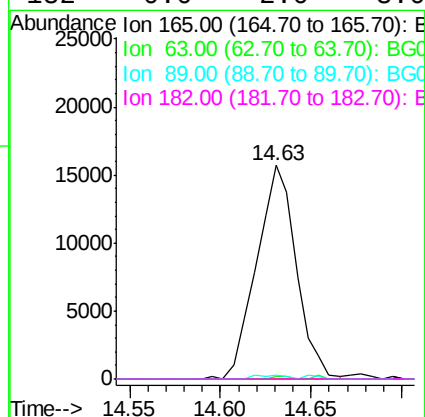
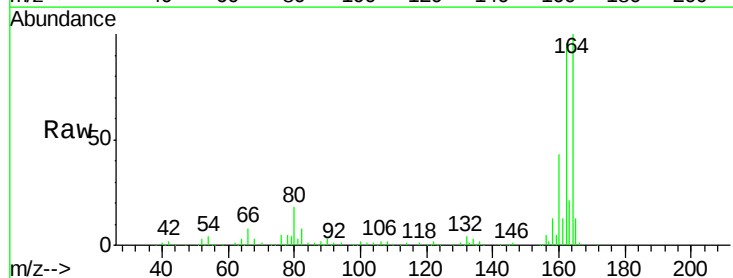
Instrument :
 BNA_G
 ClientSampleId :

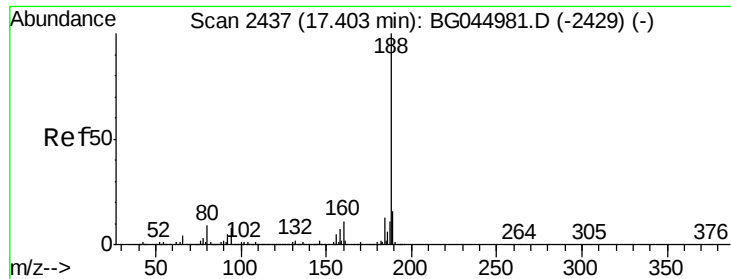
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.4	60.6#
89	1.8	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.723 ng
 RT: 14.63 min Scan# 1965
 Delta R.T. -0.36 min
 Lab File: BG045228.D
 Acq: 1 May 2020 22:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	32.2	48.2#
89	1.8	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

Instrument :

BNA_G

ClientSampleId :

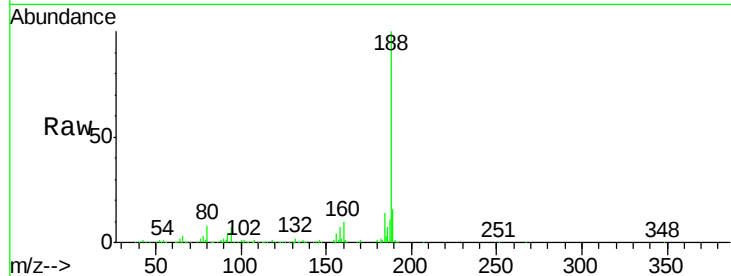
Tot Ion:188 Resp: 457519

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

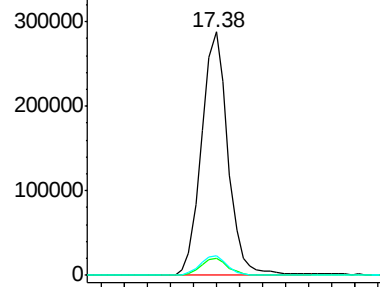
80 8.0 7.0 10.6



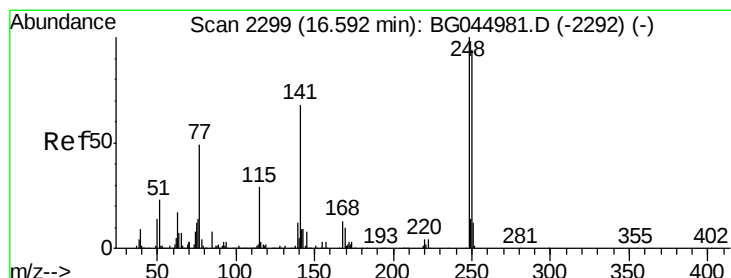
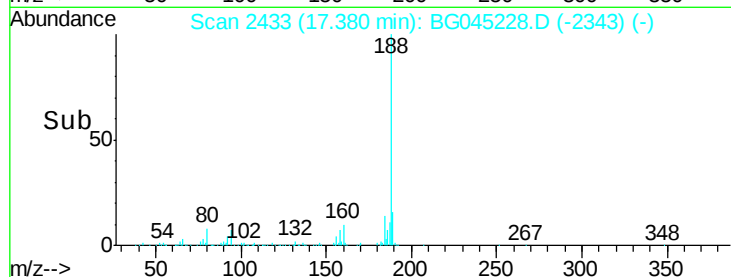
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.521 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

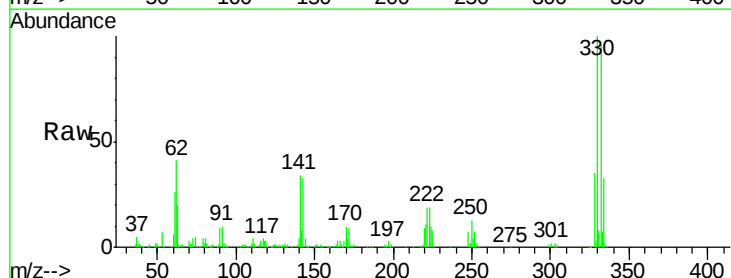
Tgt Ion:248 Resp: 26685

Ion Ratio Lower Upper

248 100

250 193.5 75.4 113.2#

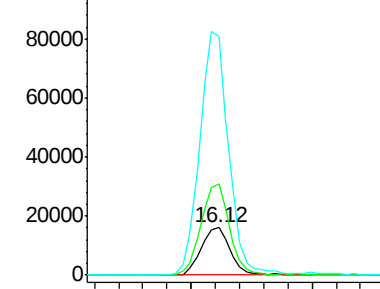
141 502.6 54.4 81.6#



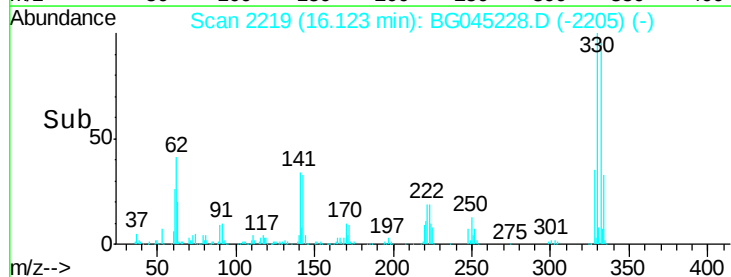
Abundance Ion 248.00 (247.70 to 248.70): E

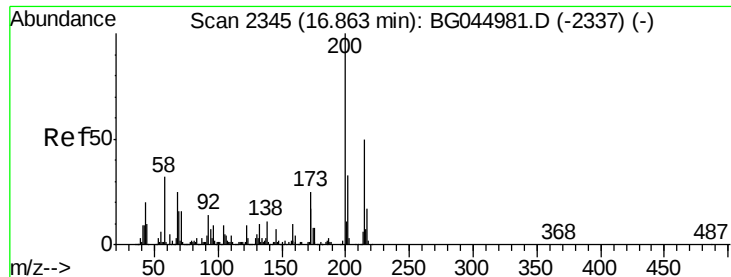
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#69

Atrazine

Concen: Below Cal

RT: 17.15 min Scan# 2394

Delta R.T. 0.31 min

Lab File: BG045228.D

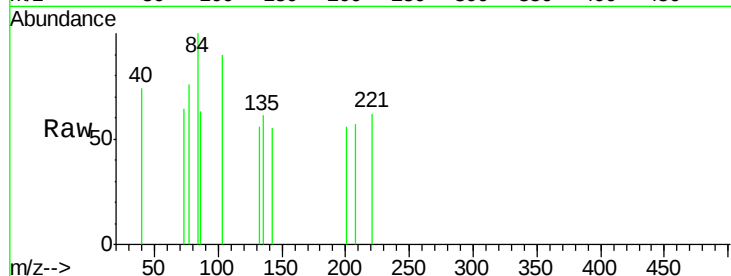
Acq: 1 May 2020 22:58

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#

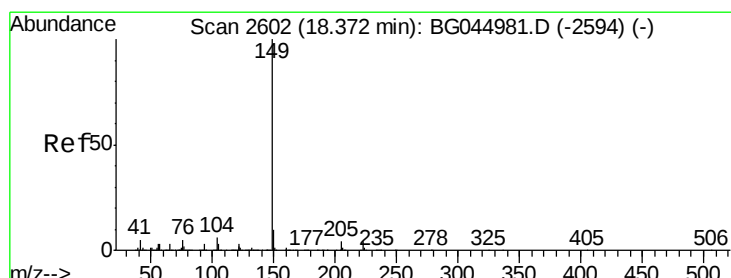
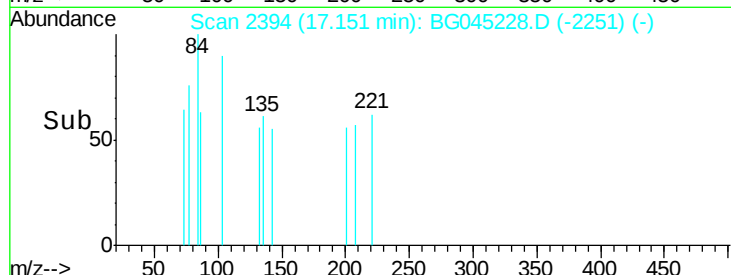
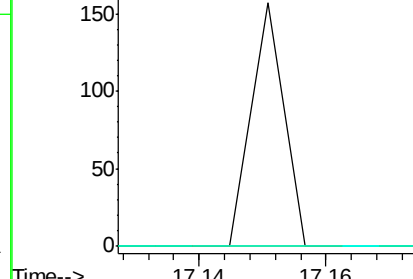


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

17.15



#74

Di-n-butylphthalate

Concen: Below Cal

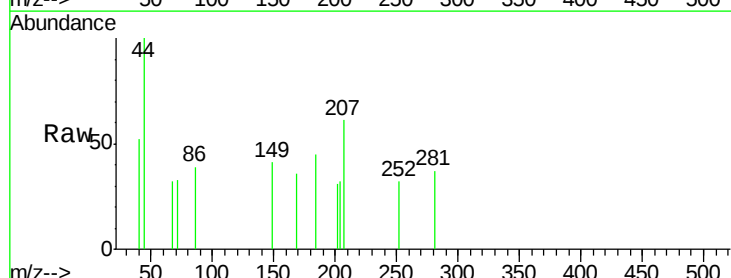
RT: 18.36 min Scan# 2600

Delta R.T. 0.01 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

Tgt Ion:	149	Resp:	71
Ion Ratio	Lower	Upper	
149	100		
150	0.0	8.2	12.2#
104	0.0	4.8	7.2#

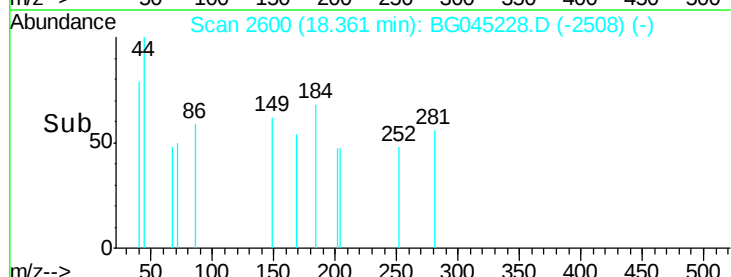
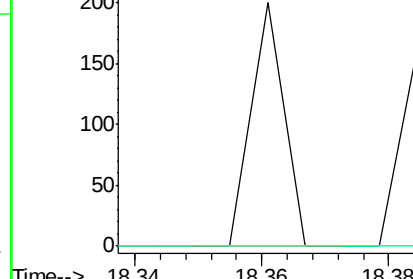


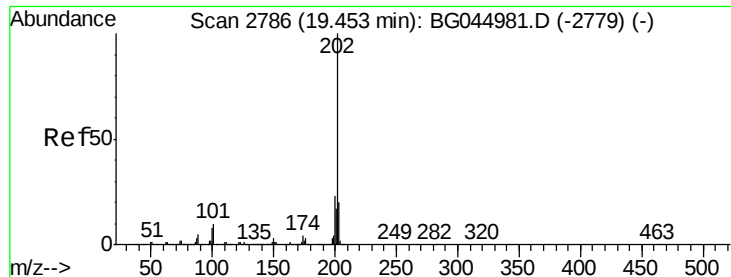
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.36





#75

Fluoranthene

Concen: Below Cal

RT: 19.39 min Scan# 2776

Delta R.T. -0.04 min

Lab File: BG045228.D

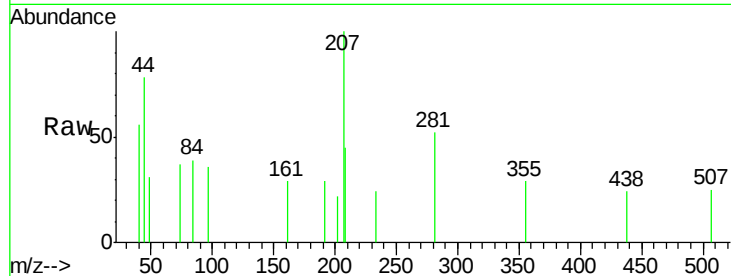
Acq: 1 May 2020 22:58

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	56
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7

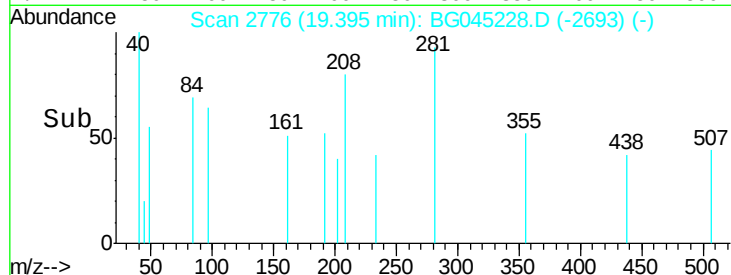


Abundance Ion 202.00 (201.70 to 202.70): E

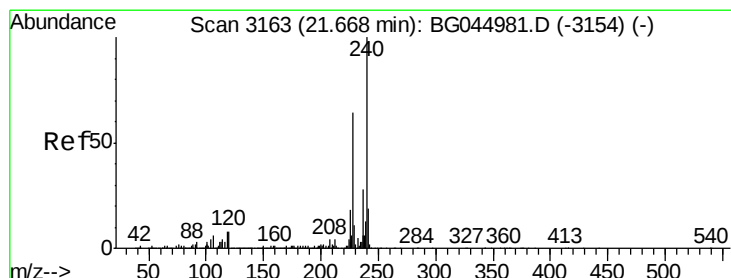
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

19.39



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

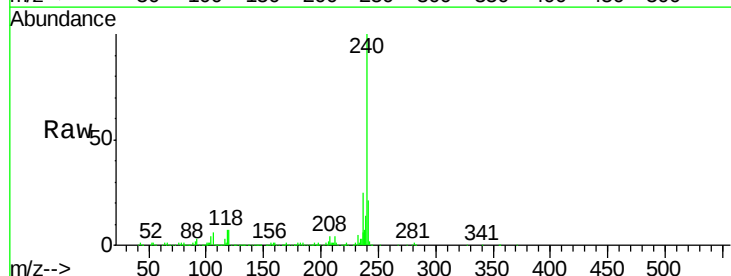
RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

Tgt Ion:	240	Resp:	475901
Ion	Ratio	Lower	Upper
240	100		
120	7.5	6.6	10.0
236	25.1	22.2	33.2

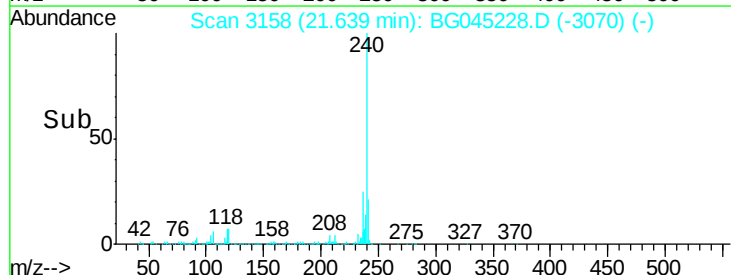


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.64



Time-->



#77

Benzidine

Concen: Below Cal

RT: 19.99 min Scan# 2878

Delta R.T. 0.38 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

Instrument :

BNA_G

ClientSampleId :

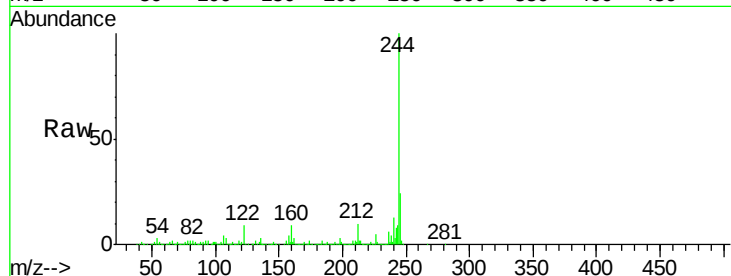
Tot Ion:184 Resp: 41807

Ion Ratio Lower Upper

184 100

185 14.8 12.6 19.0

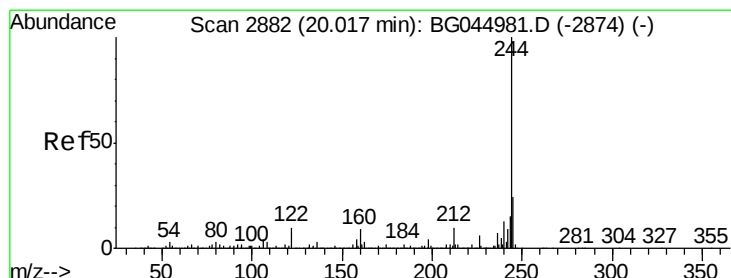
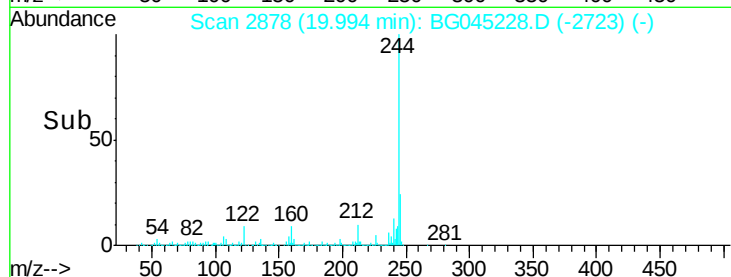
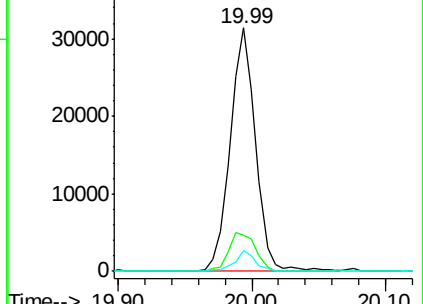
183 8.4 11.3 16.9#



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: 97.855 ng

RT: 19.99 min Scan# 2878

Delta R.T. 0.00 min

Lab File: BG045228.D

Acq: 1 May 2020 22:58

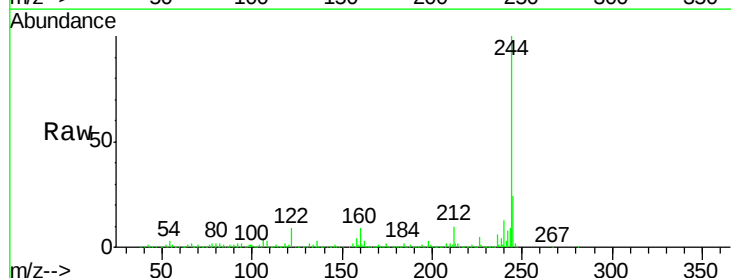
Tgt Ion:244 Resp: 2136629

Ion Ratio Lower Upper

244 100

212 9.9 7.9 11.9

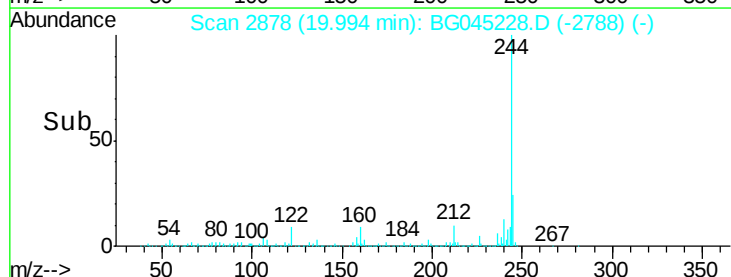
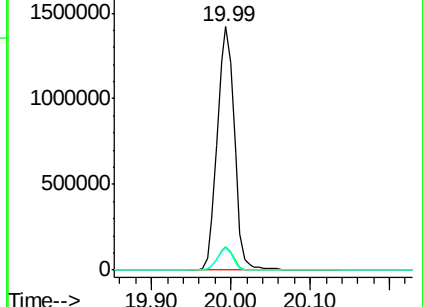
122 9.0 7.7 11.5

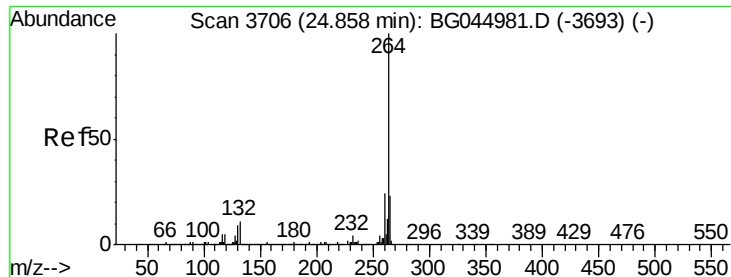


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3699
Delta R.T. -0.01 min
Lab File: BG045228.D
Acq: 1 May 2020 22:58

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.1	19.0	28.4

