

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG051420\
 Data File : BG045374.D
 Acq On : 14 May 2020 12:32
 Operator : CG/JU
 Sample : PB128856BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB128856BL

Quant Time: May 14 13:08:31 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 14 13:01:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	70701	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	289838	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	214002	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	509600	20.00	ng	0.00
76) Chrysene-d12	21.63	240	492842	20.00	ng	0.00
87) Perylene-d12	24.79	264	511647	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	394939	92.22	ng	0.00
7) Phenol-d6	7.14	99	560890	88.15	ng	0.00
23) Nitrobenzene-d5	9.13	82	391892	61.70	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	291629	88.21	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	926193	63.46	ng	0.00
79) Terphenyl-d14	19.98	244	1663749	73.58	ng	0.00

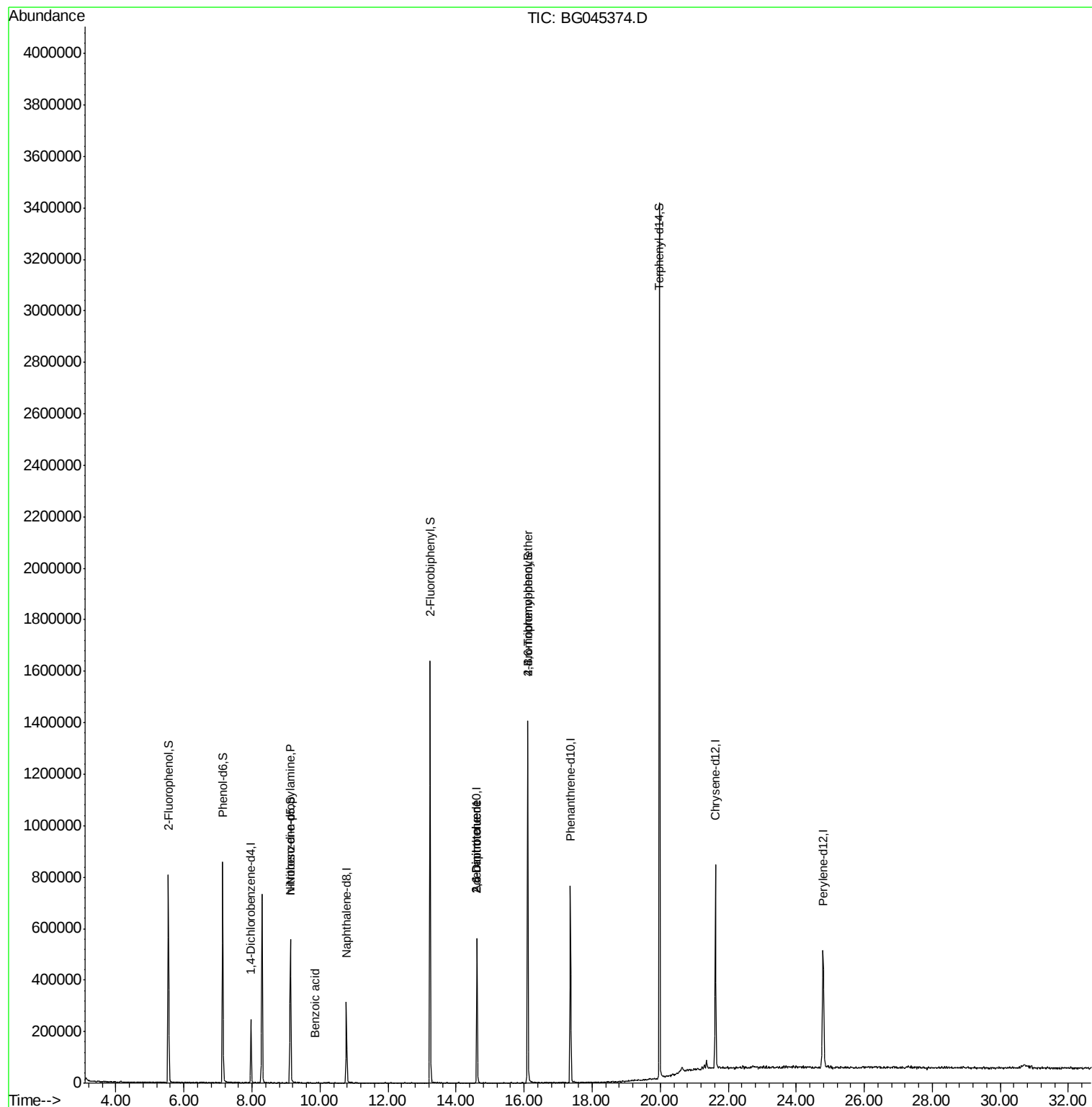
Target Compounds				Qvalue		
9) Benzaldehyde	7.14	77	1128	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	53436	11.876 ng	#	79
32) Benzoic acid	9.86	122	66	6.390 ng	#	1
51) 2,6-Dinitrotoluene	14.61	165	27320	7.010 ng	#	25
57) 2,4-Dinitrotoluene	14.61	165	27320	4.797 ng	#	22
67) 4-Bromophenyl-phenylether	16.11	248	20470	3.114 ng	#	1
69) Atrazine	17.17	200	76	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	101	Below Cal	#	76
75) Fluoranthene	19.30	202	55	Below Cal	#	62
77) Benzidine	19.98	184	31034	Below Cal	#	89

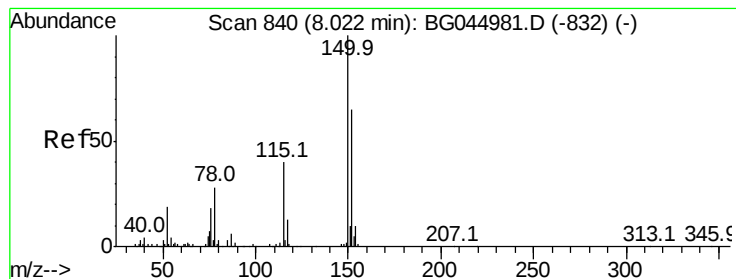
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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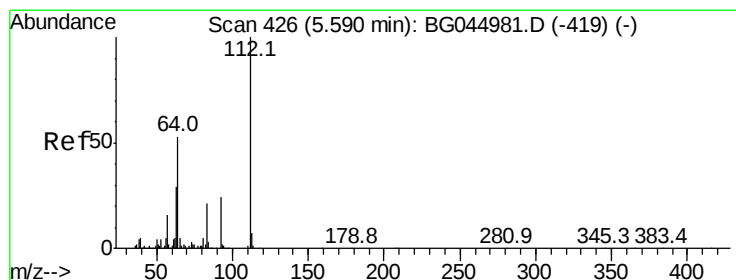
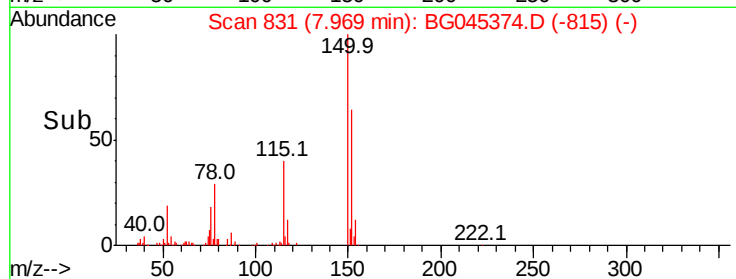
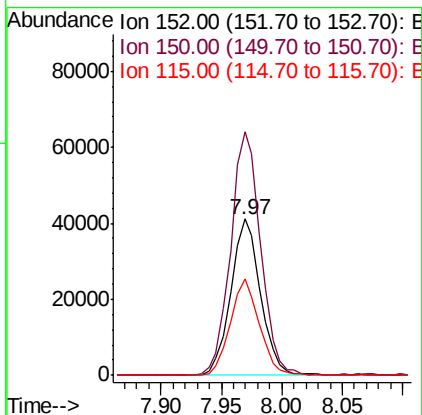
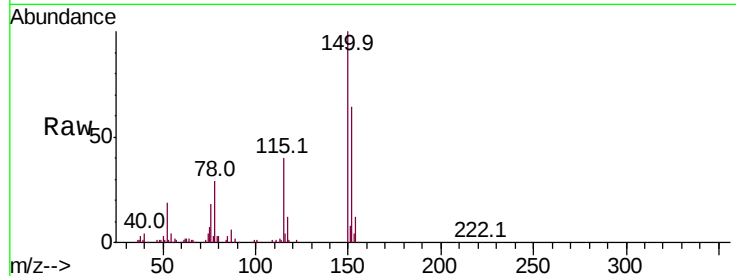


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045374.D
Acq: 14 May 2020 12:32

Instrument :
BNA_G
ClientSampleId :
PB128856BL

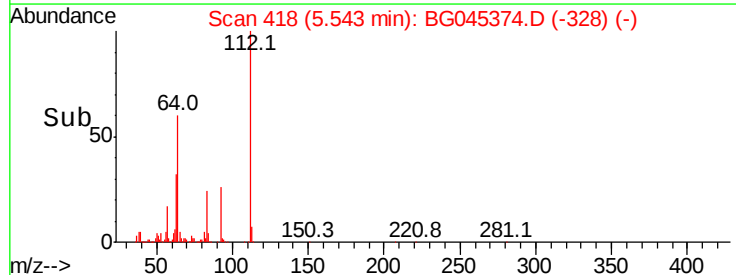
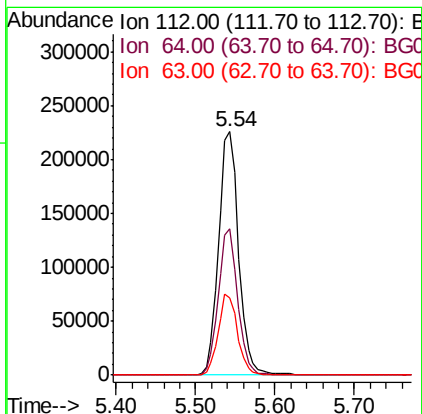
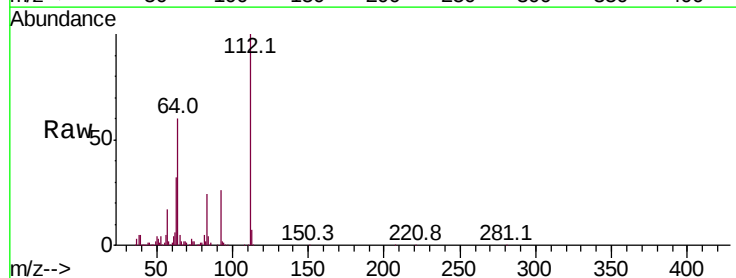
Tot Ion:152 Resp: 70701
Ion Ratio Lower Upper
152 100
150 155.6 123.6 185.4
115 61.8 49.1 73.7



#5

2-Fluorophenol
Concen: 92.223 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.00 min
Lab File: BG045374.D
Acq: 14 May 2020 12:32

Tgt Ion:112 Resp: 394939
Ion Ratio Lower Upper
112 100
64 60.1 42.4 63.6
63 31.9 23.1 34.7





#7

Phenol-d6

Concen: 88.153 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Instrument :

BNA_G

ClientSampleId :

PB128856BL

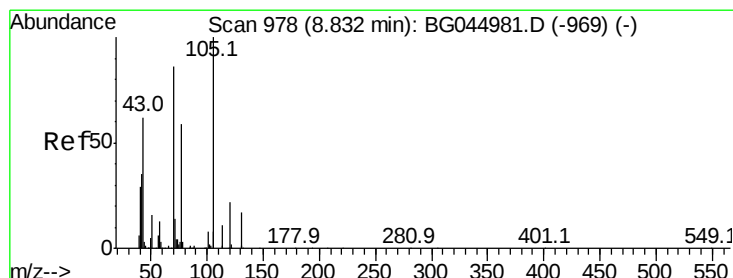
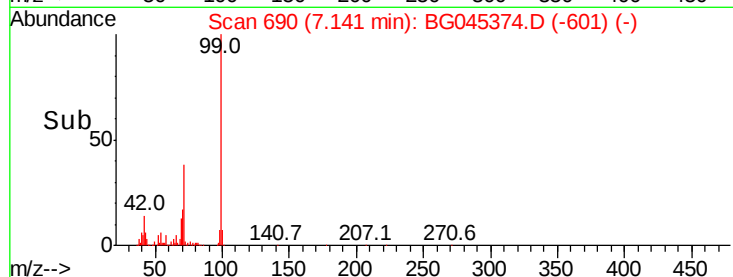
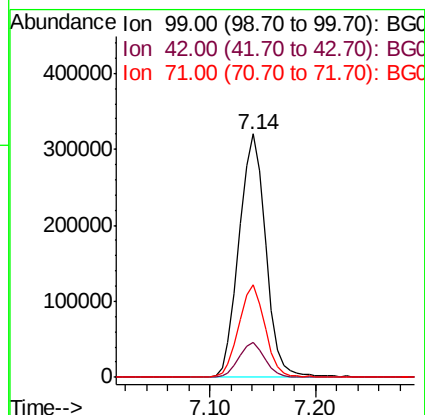
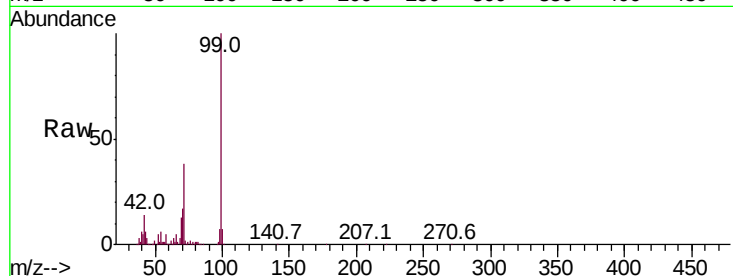
Tot Ion: 99 Resp: 560890

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 37.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.876 ng

RT: 9.13 min Scan# 1028

Delta R.T. 0.35 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Tgt Ion: 70 Resp: 53436

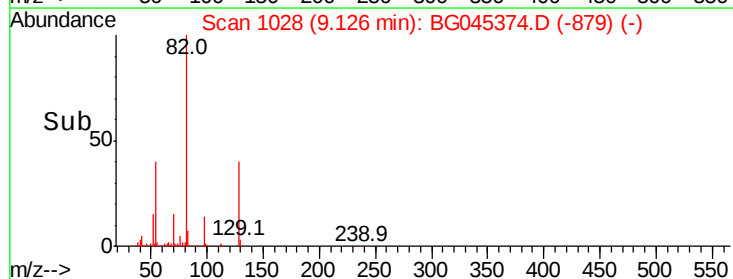
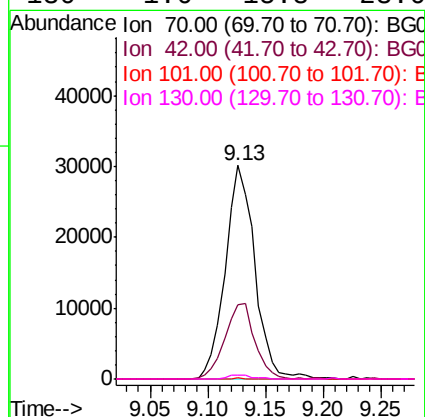
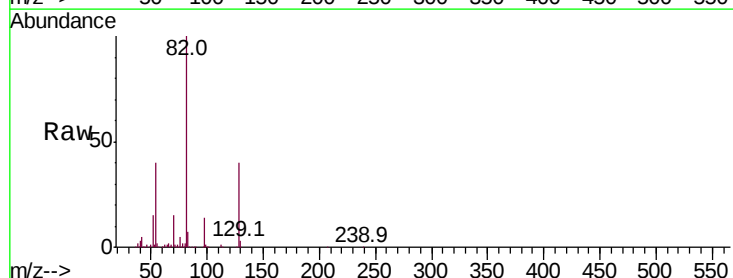
Ion Ratio Lower Upper

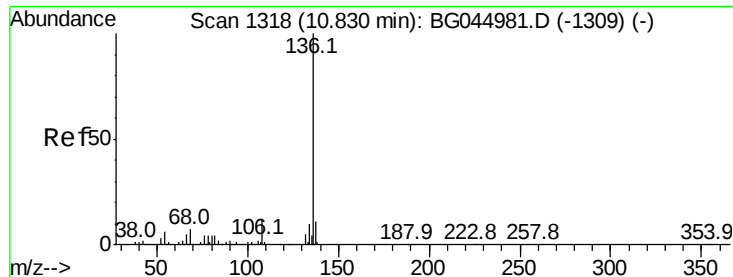
70 100

42 34.6 33.3 49.9

101 0.7 7.8 11.8#

130 1.6 15.8 23.6#

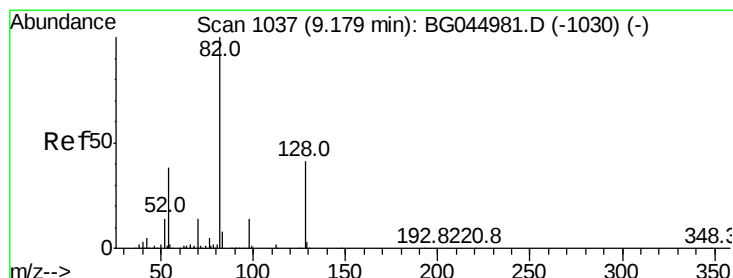
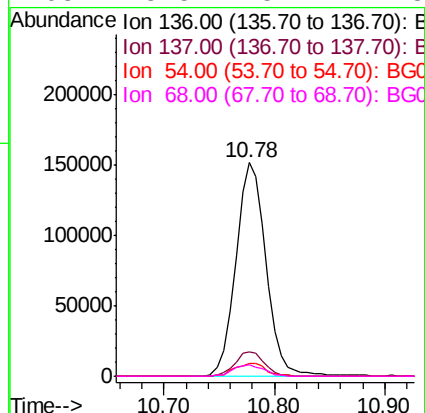
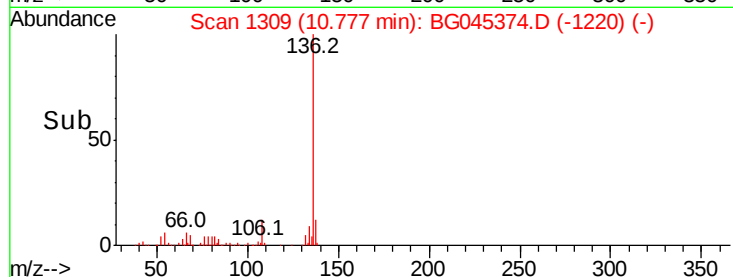
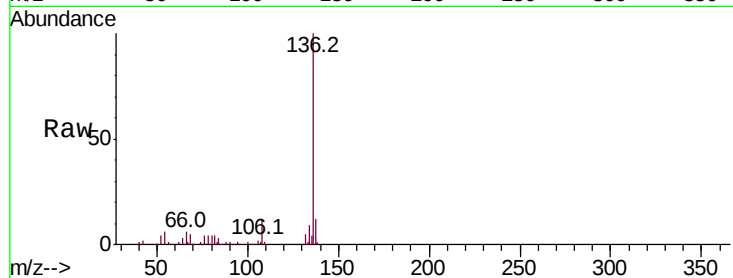




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BG045374.D
Acq: 14 May 2020 12:32

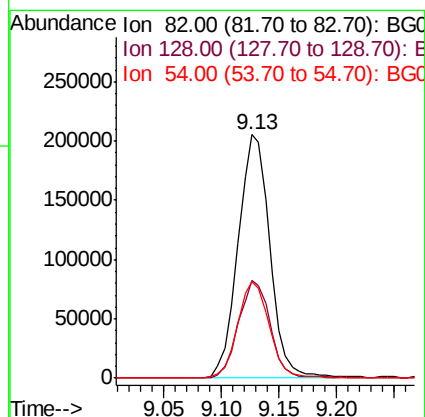
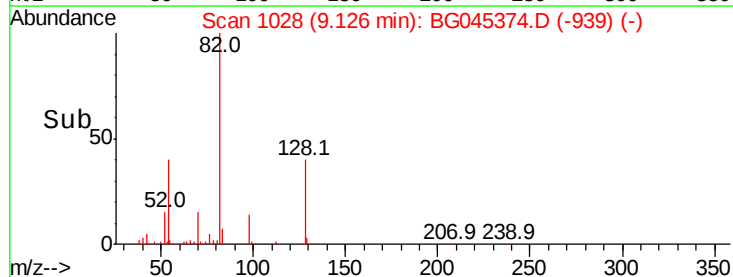
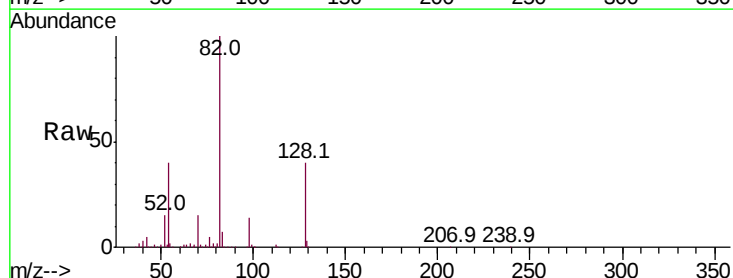
Instrument :
BNA_G
ClientSampleId :
PB128856BL

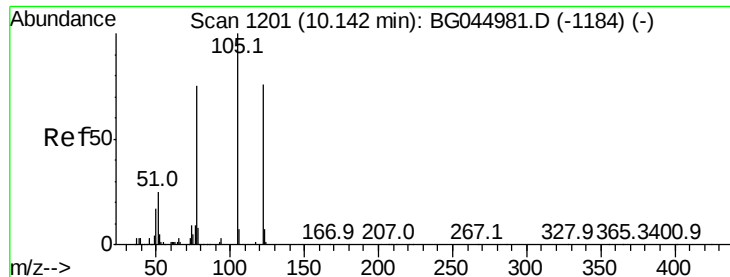
Tot Ion:136	Resp:	289838
Ion Ratio	Lower	Upper
136 100		
137 11.7	8.6	13.0
54 6.0	4.8	7.2
68 5.5	5.2	7.8



#23
Nitrobenzene-d5
Concen: 61.695 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045374.D
Acq: 14 May 2020 12:32

Tgt	Ion: 82	Resp:	391892
Ion	Ratio	Lower	Upper
82	100		
128	40.3	33.0	49.4
54	39.7	30.4	45.6





#32

Benzoic acid

Concen: 6.390 ng

RT: 9.86 min Scan# 1153

Delta R.T. -0.25 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Instrument :

BNA_G

ClientSampleId :

PB128856BL

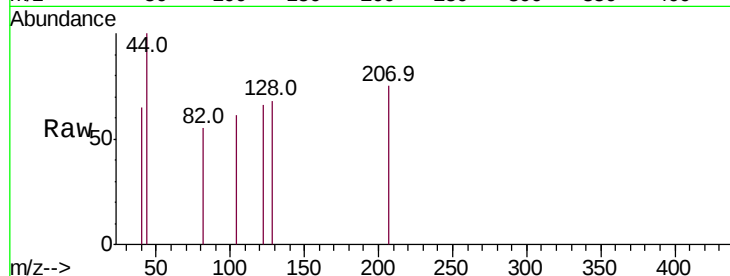
Tot Ion:122 Resp: 66

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

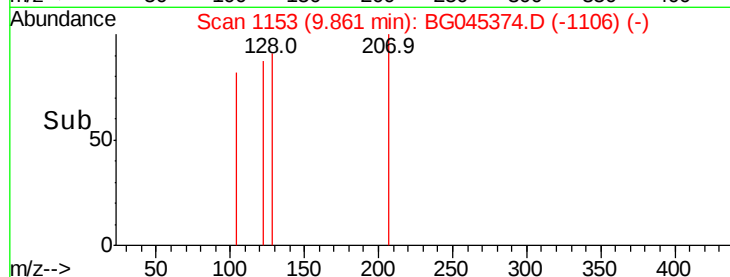
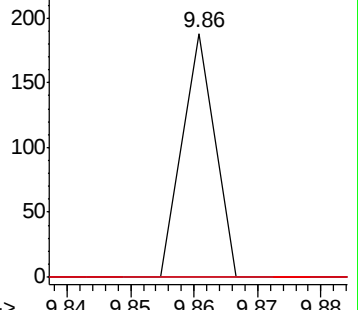
77 0.0 78.8 118.8#



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: 14.61 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

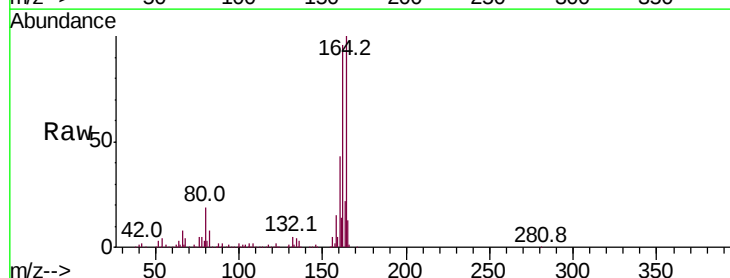
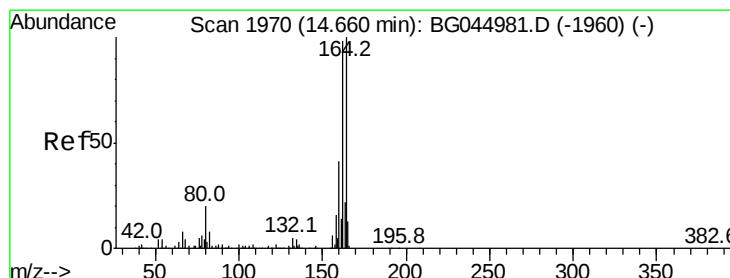
Tgt Ion:164 Resp: 214002

Ion Ratio Lower Upper

164 100

162 95.8 78.7 118.1

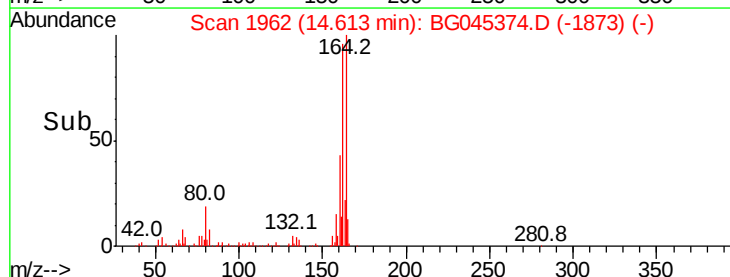
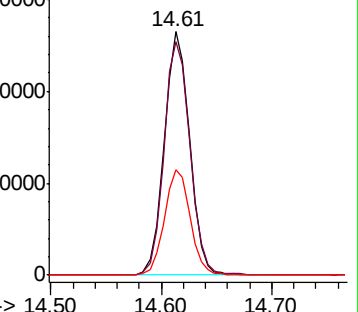
160 43.5 32.8 49.2

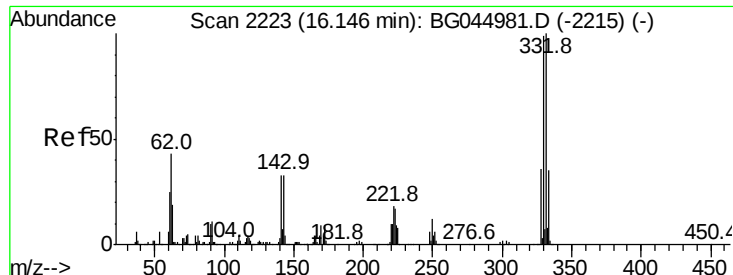


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

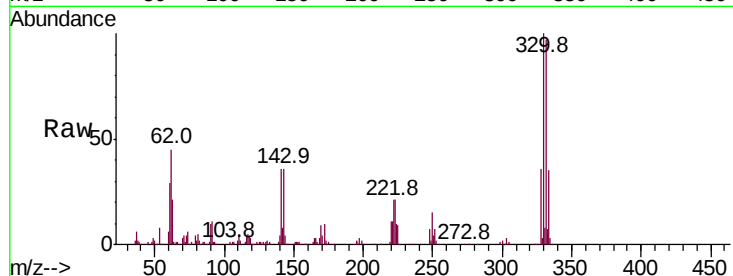




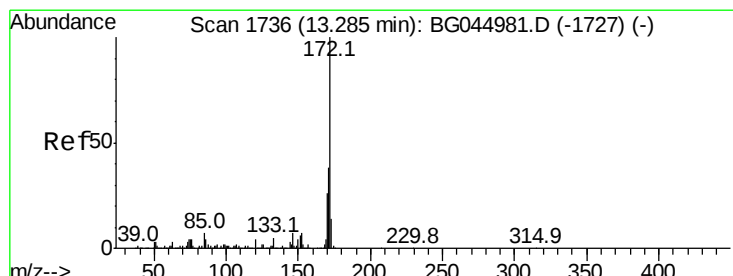
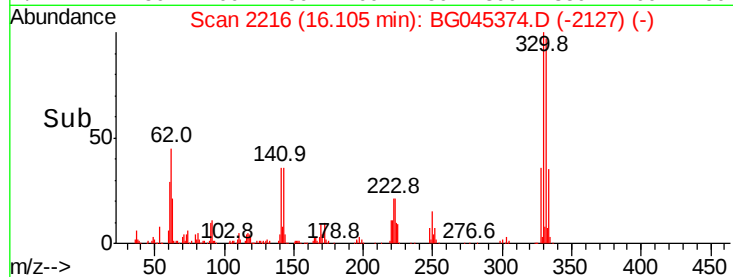
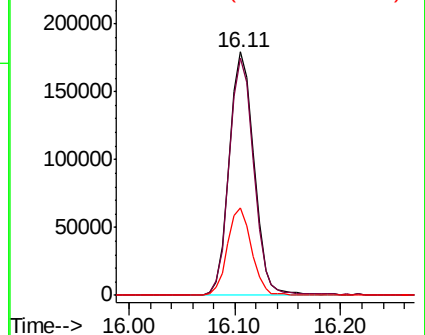
#42
 2,4,6-Tribromophenol
 Concen: 88.211 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045374.D
 Acq: 14 May 2020 12:32

Instrument :
 BNA_G
 ClientSampleId :
 PB128856BL

Tot Ion:	330	Resp:	291629
Ion	Ratio	Lower	Upper
330	100		
332	97.0	79.1	118.7
141	35.3	27.1	40.7

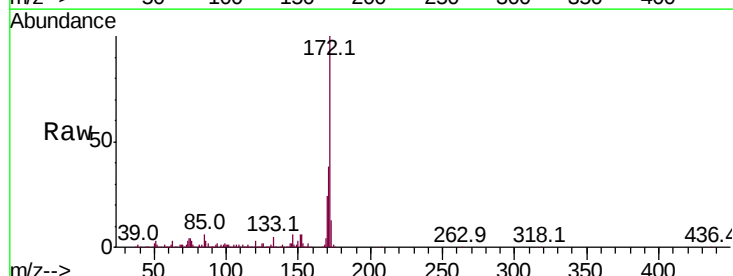


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

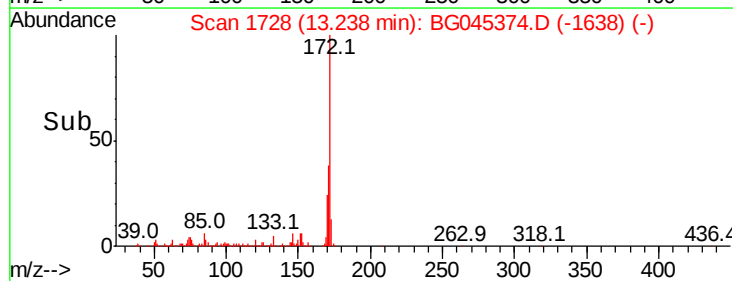
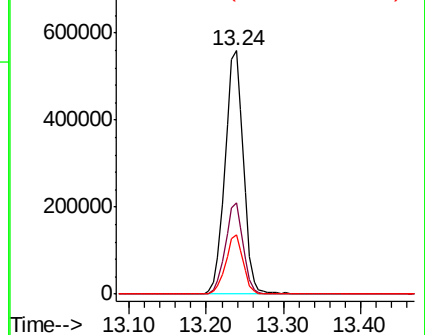


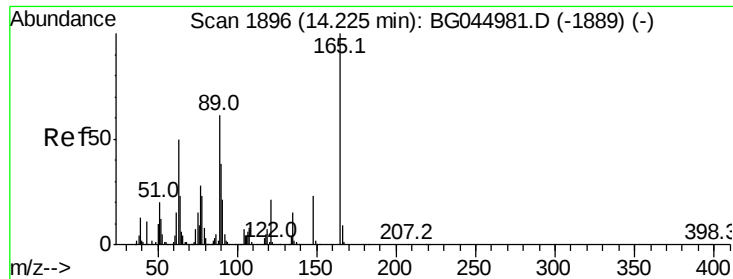
#45
 2-Fluorobiphenyl
 Concen: 63.462 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG045374.D
 Acq: 14 May 2020 12:32

Tgt Ion:	172	Resp:	926193
Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.6	46.0
170	24.2	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: 7.010 ng

RT: 14.61 min Scan# 1962

Delta R.T. 0.42 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Instrument :

BNA_G

ClientSampleId :

PB128856BL

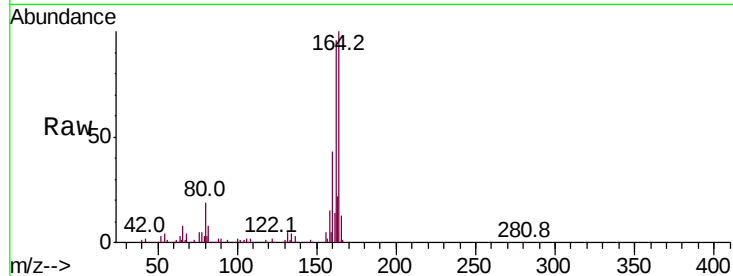
Tot Ion:165 Resp: 27320

Ion Ratio Lower Upper

165 100

63 1.3 40.4 60.6#

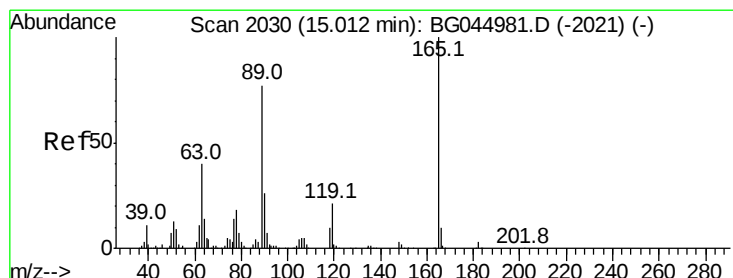
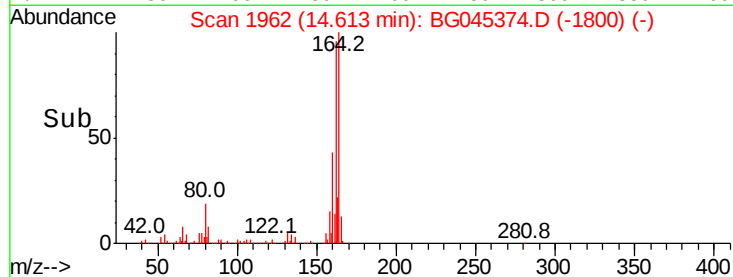
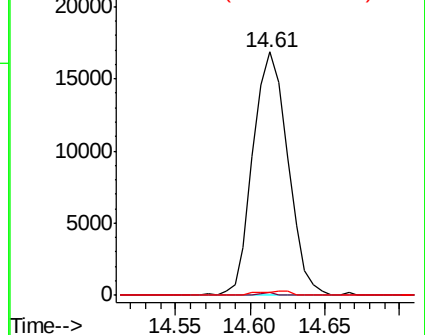
89 1.4 49.1 73.7#



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: 4.797 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Tgt Ion:165 Resp: 27320

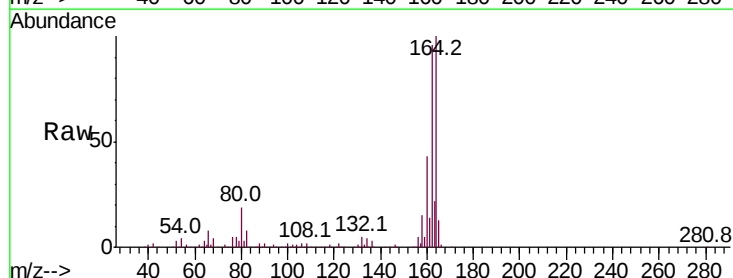
Ion Ratio Lower Upper

165 100

63 1.3 32.2 48.2#

89 1.4 61.7 92.5#

182 0.0 2.0 3.0#

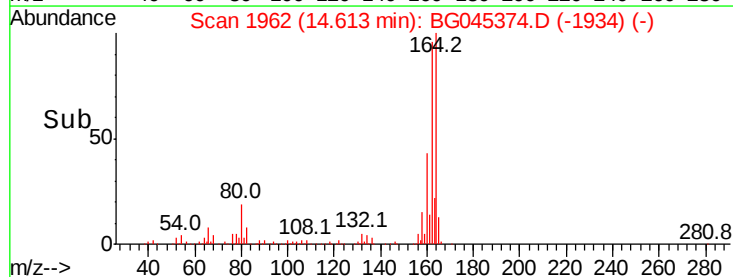
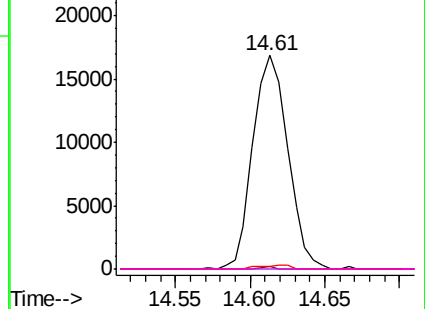


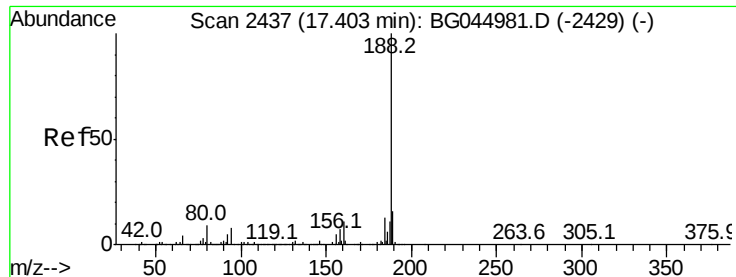
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Instrument :

BNA_G

ClientSampleId :

PB128856BL

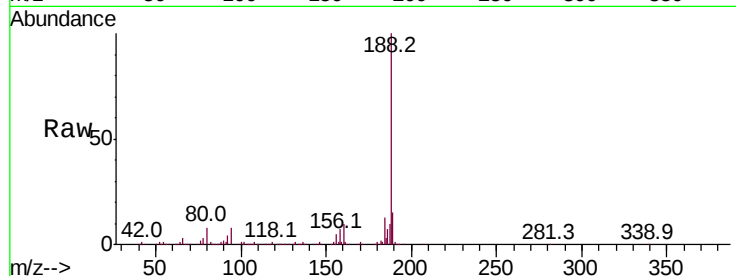
Tot Ion:188 Resp: 509600

Ion Ratio Lower Upper

188 100

94 7.6 6.2 9.4

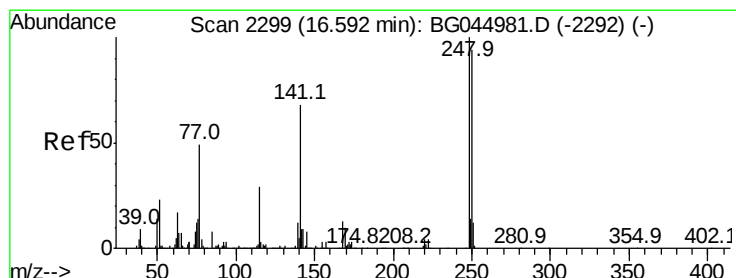
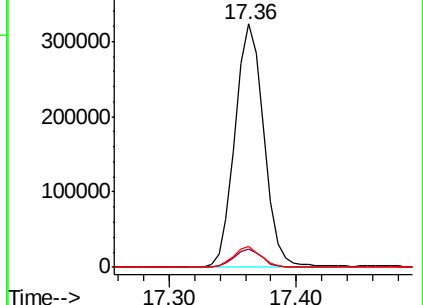
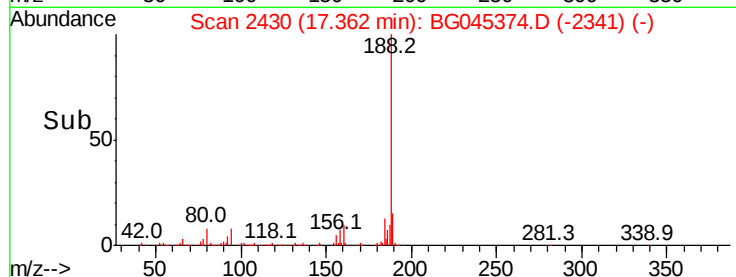
80 8.5 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 3.114 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

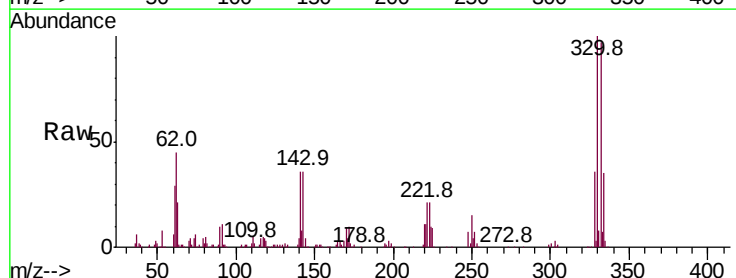
Tgt Ion:248 Resp: 20470

Ion Ratio Lower Upper

248 100

250 198.9 75.4 113.2#

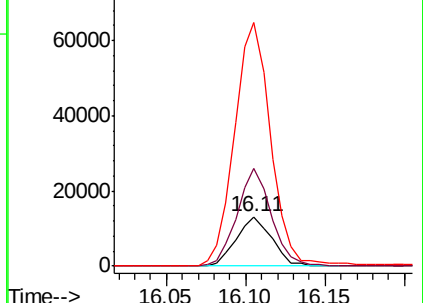
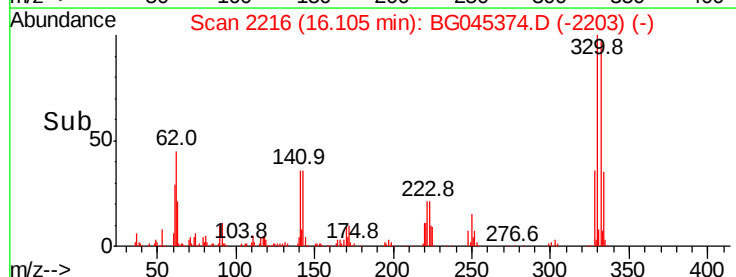
141 494.6 54.4 81.6#

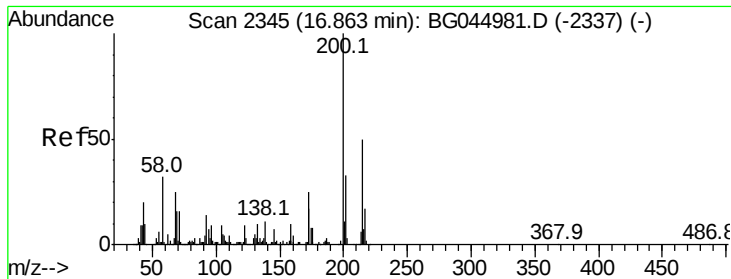


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.17 min Scan# 2397

Delta R.T. 0.34 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Instrument :

BNA_G

ClientSampleId :

PB128856BL

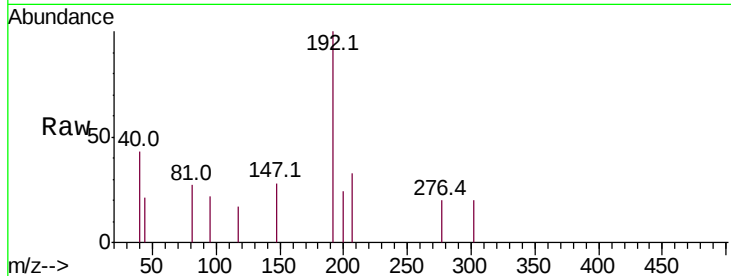
Tot Ion:200 Resp: 76

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

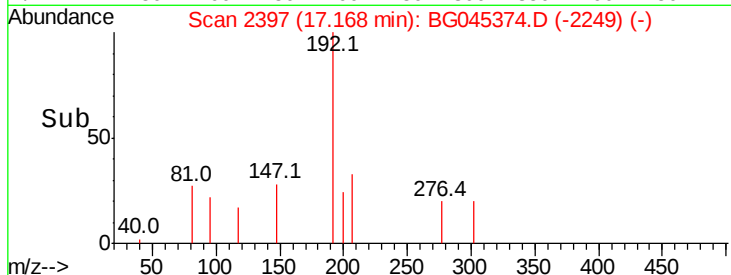
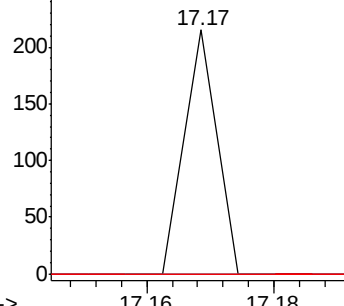
215 0.0 30.0 70.0#



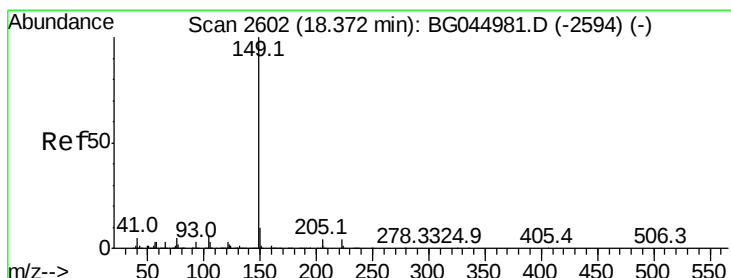
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



Time-->



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.33 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

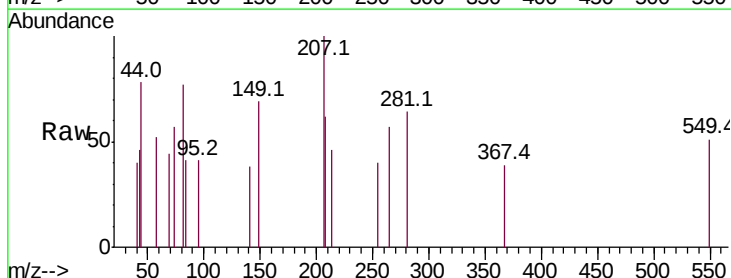
Tgt Ion:149 Resp: 101

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

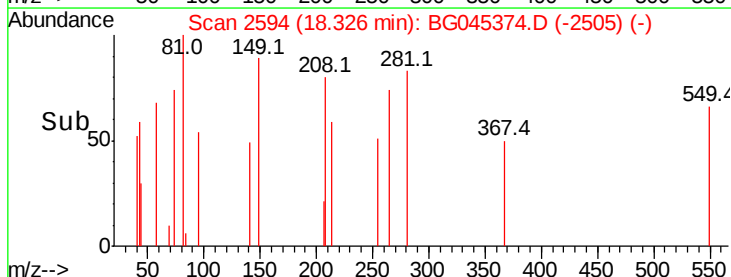
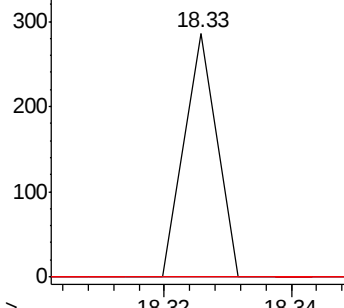
104 0.0 4.8 7.2#



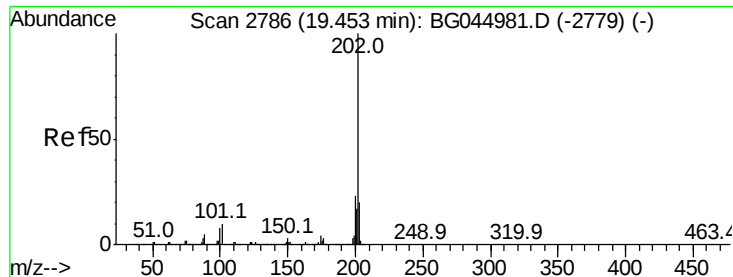
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



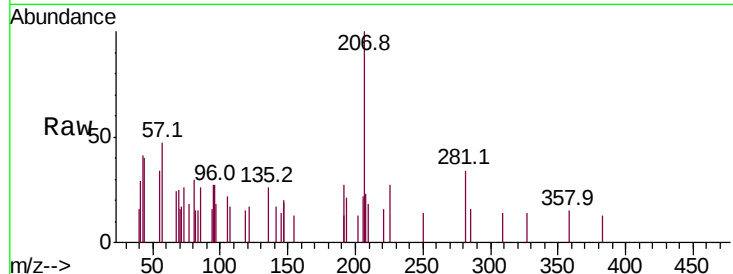
Time-->



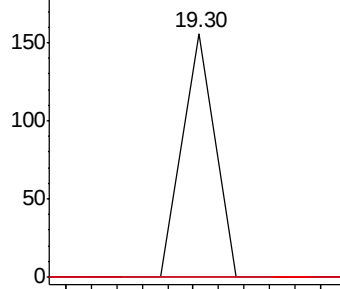
#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.30 min Scan# 2760
 Delta R.T. -0.12 min
 Lab File: BG045374.D
 Acq: 14 May 2020 12:32

Instrument :
 BNA_G
 ClientSampleId :
 PB128856BL

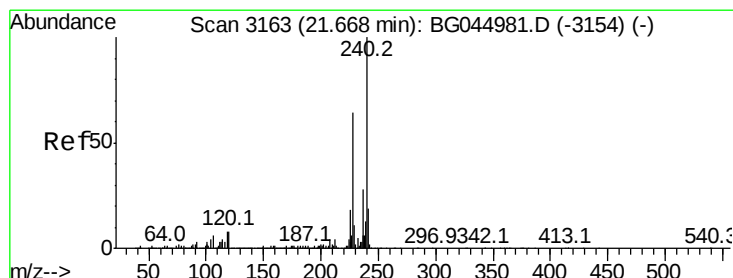
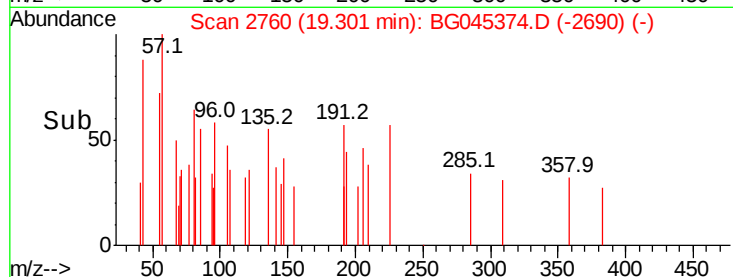
Tot Ion:	202	Resp:	55
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



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

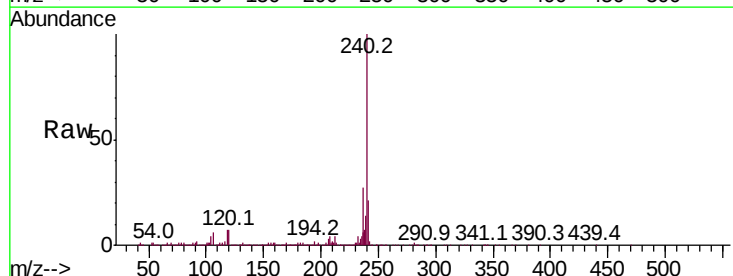


Time--> 19.28 19.30 19.32

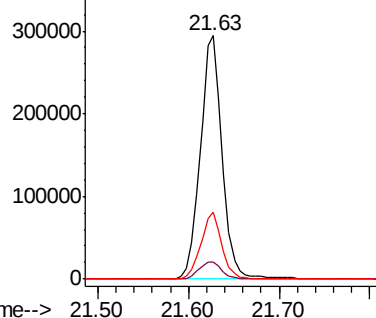


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.63 min Scan# 3156
 Delta R.T. -0.01 min
 Lab File: BG045374.D
 Acq: 14 May 2020 12:32

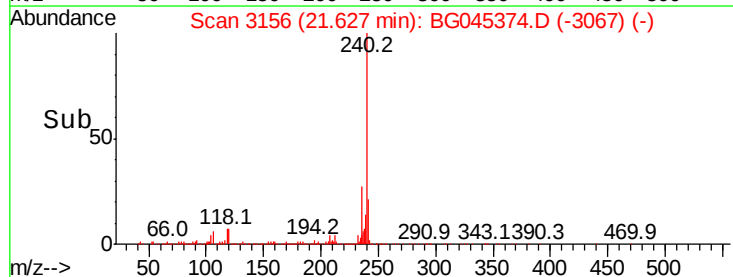
Tgt Ion:	240	Resp:	492842
Ion	Ratio	Lower	Upper
240	100		
120	6.8	6.6	10.0
236	27.3	22.2	33.2

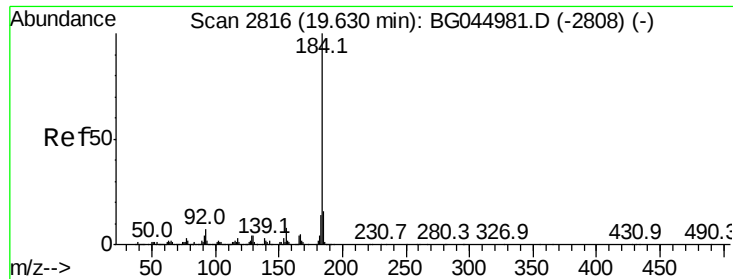


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E



Time--> 21.50 21.60 21.70





#77

Benzidine

Concen: Below Cal

RT: 19.98 min Scan# 2875

Delta R.T. 0.38 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

Instrument :

BNA_G

ClientSampleId :

PB128856BL

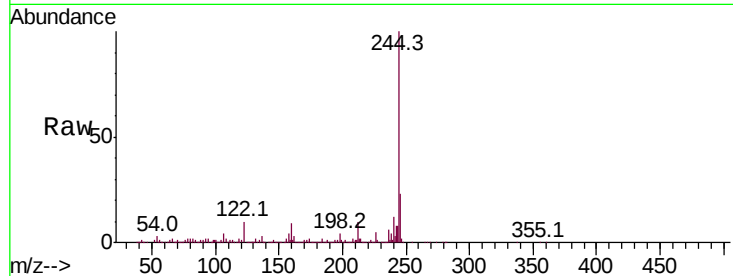
Tot Ion:184 Resp: 31034

Ion Ratio Lower Upper

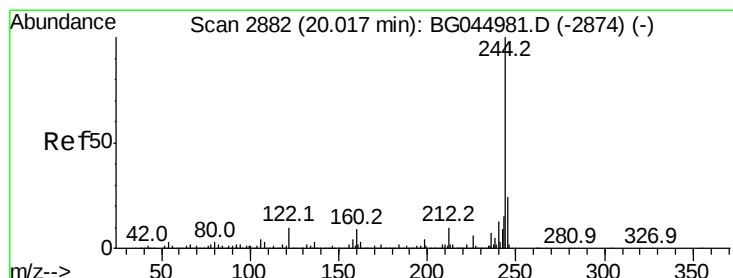
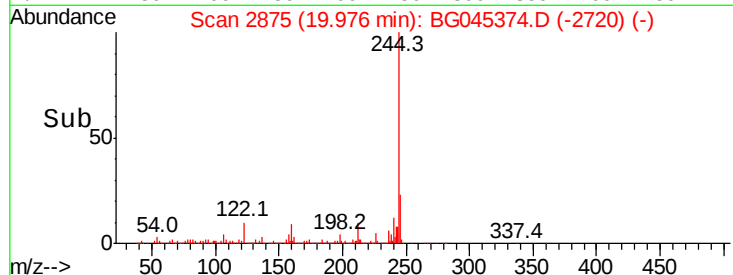
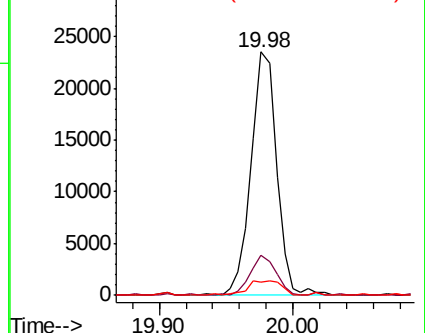
184 100

185 16.7 12.6 19.0

183 5.5 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: 73.578 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG045374.D

Acq: 14 May 2020 12:32

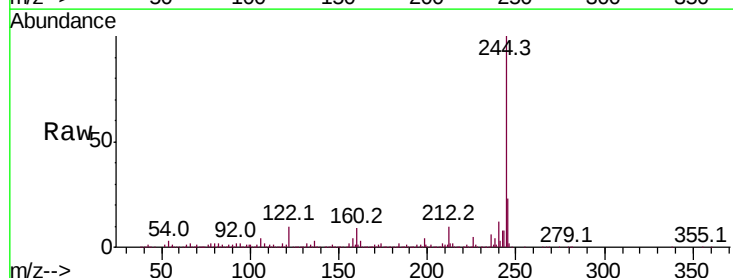
Tgt Ion:244 Resp: 1663749

Ion Ratio Lower Upper

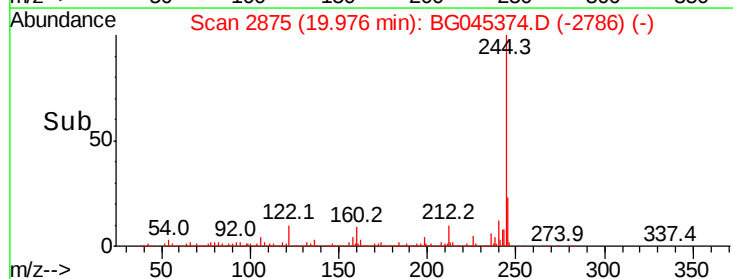
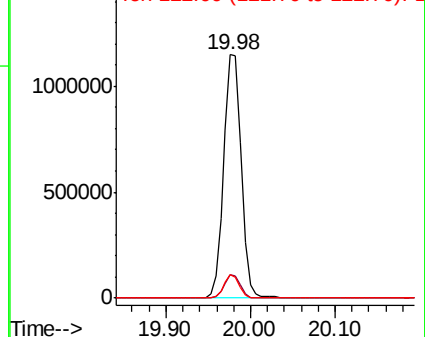
244 100

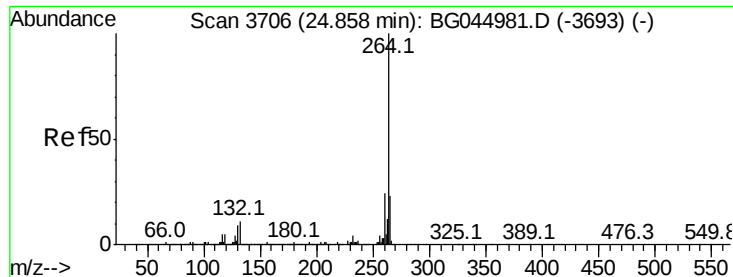
212 9.6 7.9 11.9

122 9.6 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: 24.79 min Scan# 3694
Delta R.T. -0.01 min
Lab File: BG045374.D
Acq: 14 May 2020 12:32

Instrument :
BNA_G
ClientSampleId :
PB128856BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	19.0	28.4

