

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG042320\
 Data File : BG045144.D
 Acq On : 23 Apr 2020 16:31
 Operator : CG/JU
 Sample : L2351-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-20A

Quant Time: Apr 23 17:07:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 15:21:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	92262	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	391233	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	280111	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	602525	20.00	ng	0.00
76) Chrysene-d12	21.65	240	507667	20.00	ng	0.00
87) Perylene-d12	24.83	264	541459	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	368061	65.86	ng	0.00
7) Phenol-d6	7.17	99	669662	80.65	ng	0.00
23) Nitrobenzene-d5	9.16	82	476179	55.54	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	317034	73.26	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	1176627	61.59	ng	0.00
79) Terphenyl-d14	20.00	244	1644380	70.60	ng	0.00

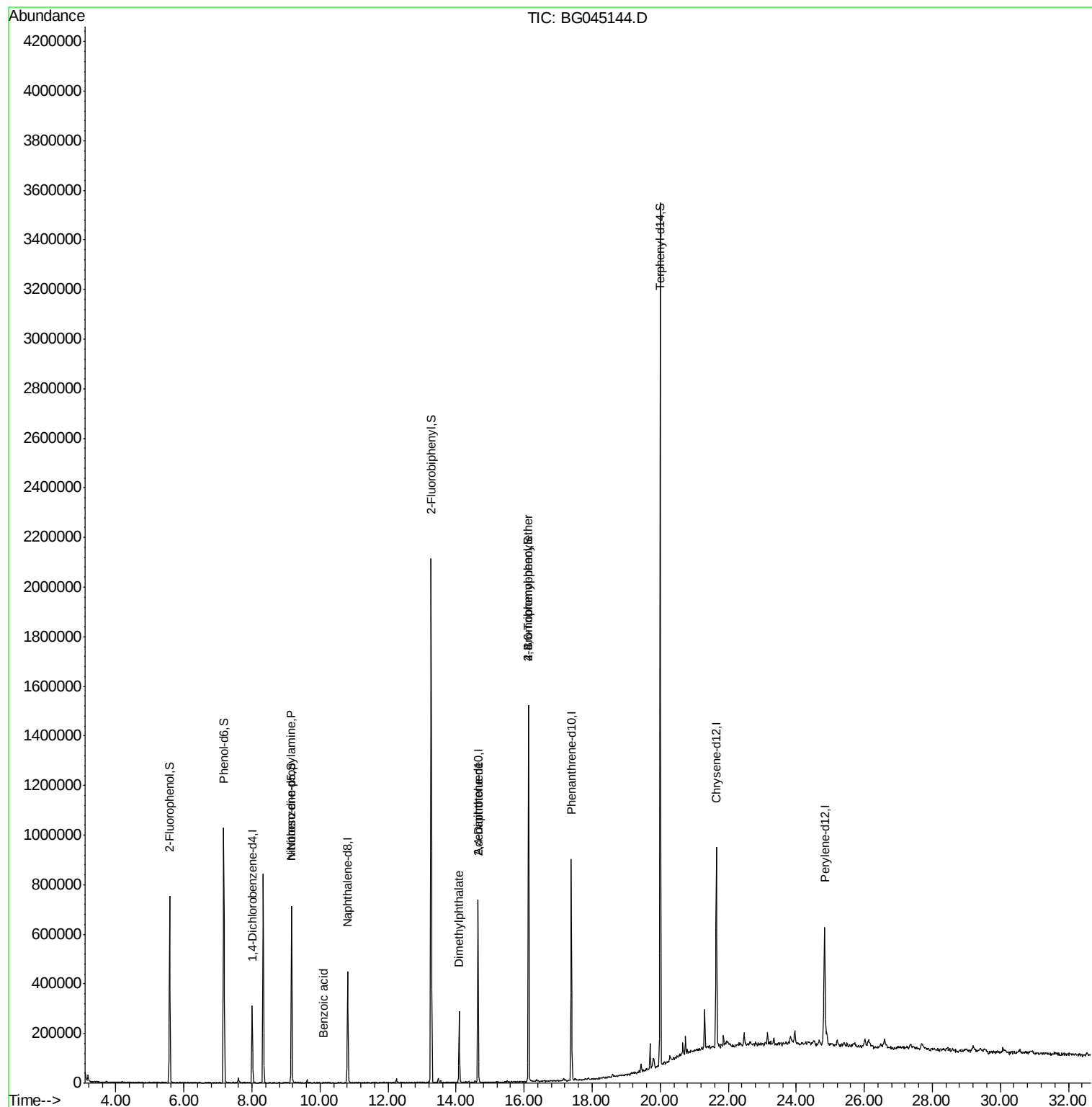
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	1467	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	66563	11.336	ng	# 81
32) Benzoic acid	10.11	122	72	6.387	ng	# 1
50) Dimethylphthalate	14.09	163	189669	8.316	ng	98
57) 2,4-Dinitrotoluene	14.64	165	36438	4.888	ng	# 22
67) 4-Bromophenyl-phenylether	16.13	248	19952	2.567	ng	# 1
69) Atrazine	16.63	200	73	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	1249	Below Cal	#	76
77) Benzidine	20.00	184	31660	Below Cal	#	93

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

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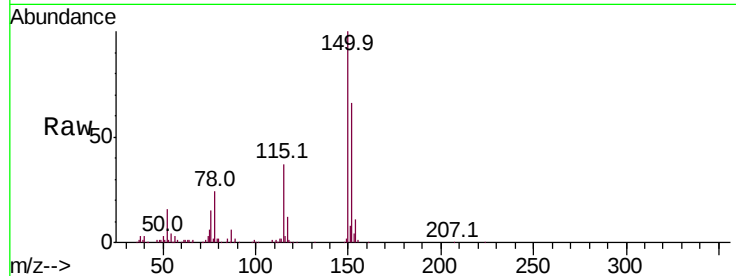


#1

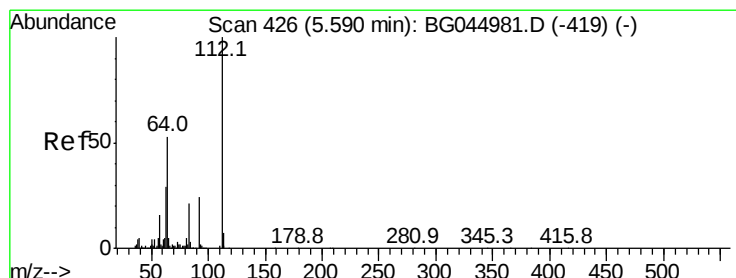
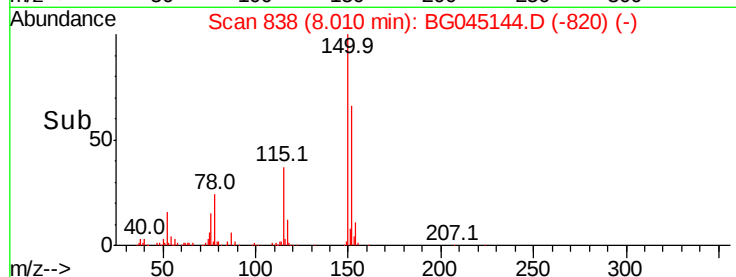
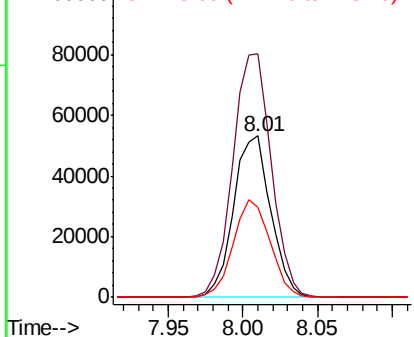
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.01 min
Lab File: BG045144.D
Acq: 23 Apr 2020 16:31

Instrument :
BNA_G
ClientSampleId :
TP-20A

Tot Ion:152 Resp: 92262
Ion Ratio Lower Upper
152 100
150 150.7 123.6 185.4
115 55.4 49.1 73.7



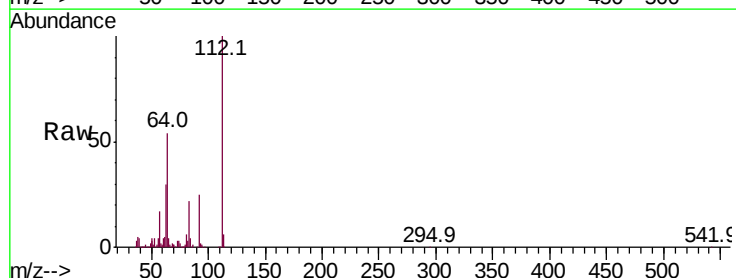
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



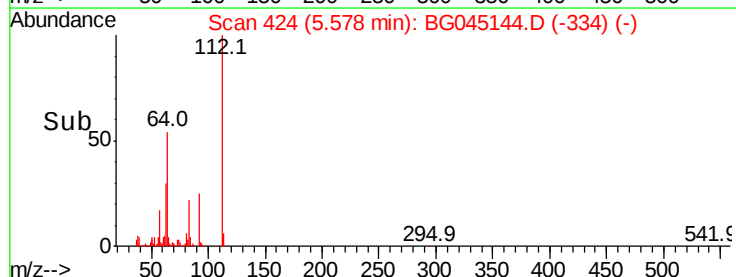
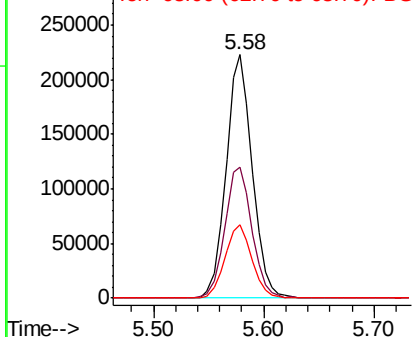
#5

2-Fluorophenol
Concen: 65.861 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG045144.D
Acq: 23 Apr 2020 16:31

Tgt Ion:112 Resp: 368061
Ion Ratio Lower Upper
112 100
64 53.6 42.4 63.6
63 30.3 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: 80.653 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

Instrument :

BNA_G

ClientSampleId :

TP-20A

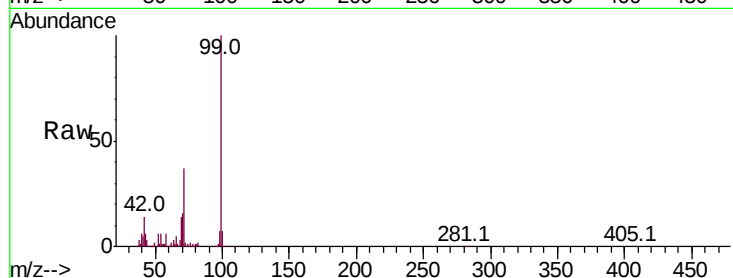
Tot Ion: 99 Resp: 669662

Ion Ratio Lower Upper

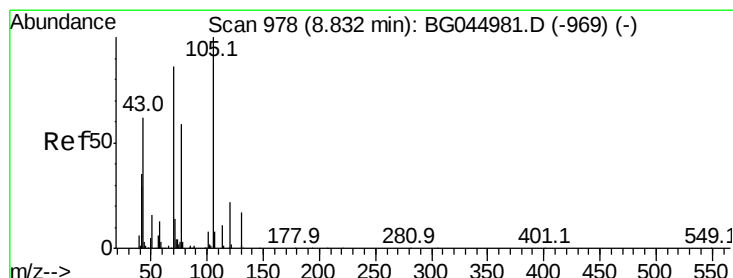
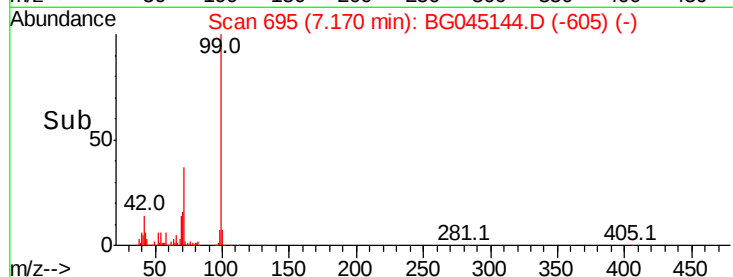
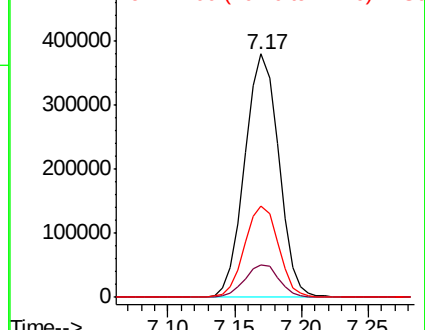
99 100

42 13.5 11.3 16.9

71 37.4 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: 11.336 ng

RT: 9.16 min Scan# 1034

Delta R.T. 0.35 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

Tgt Ion: 70 Resp: 66563

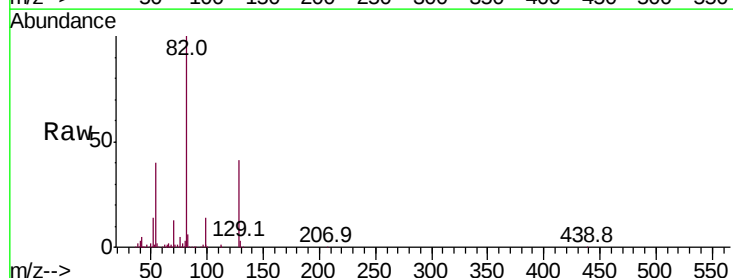
Ion Ratio Lower Upper

70 100

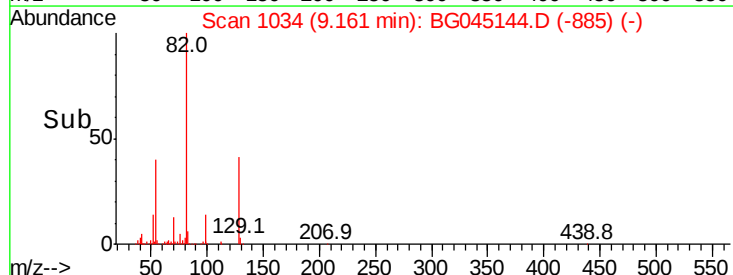
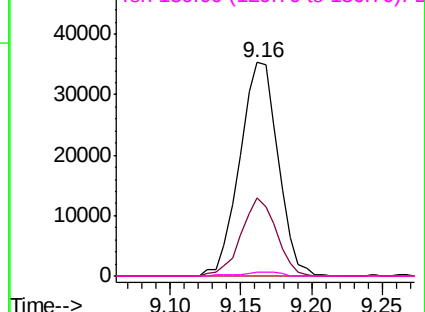
42 36.7 33.3 49.9

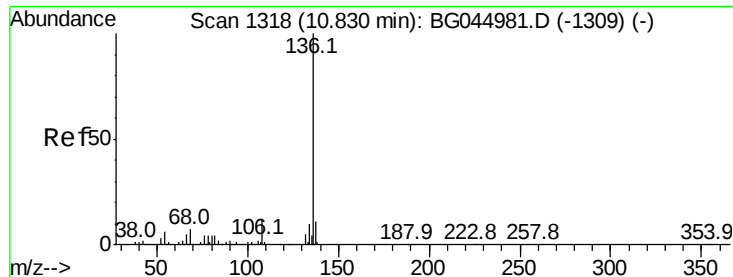
101 0.0 7.8 11.8#

130 1.9 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

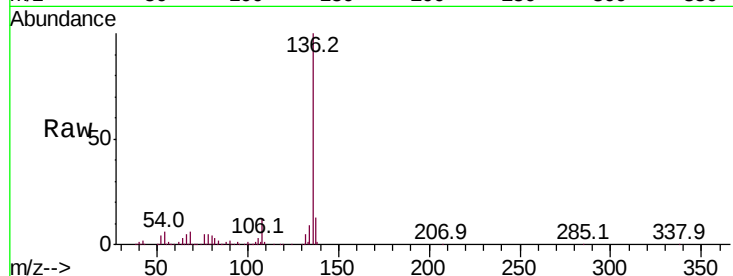




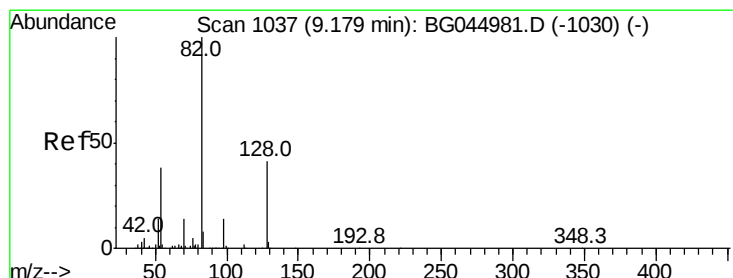
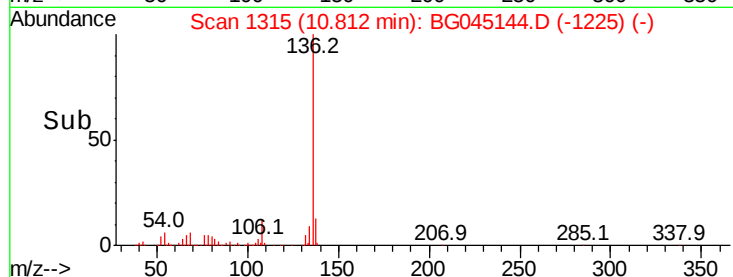
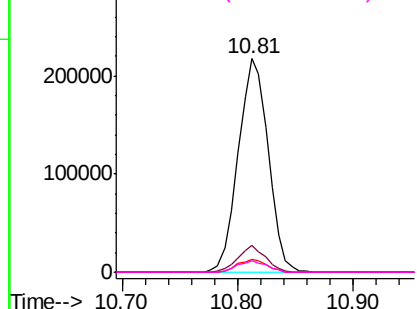
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.81 min Scan# 1315
Delta R.T. -0.00 min
Lab File: BG045144.D
Acq: 23 Apr 2020 16:31

Instrument :
BNA_G
ClientSampleId :
TP-20A

Tot Ion:136	Resp:	391233
Ion Ratio	Lower	Upper
136	100	
137	12.6	8.6 13.0
54	6.3	4.8 7.2
68	5.6	5.2 7.8

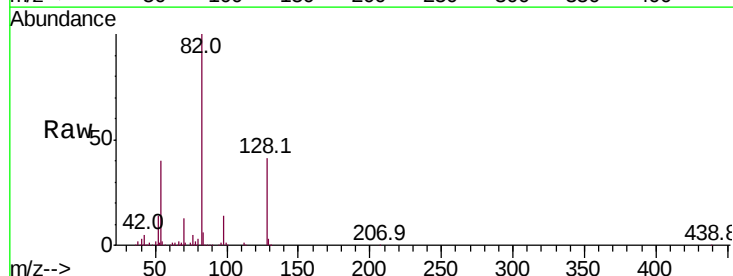


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

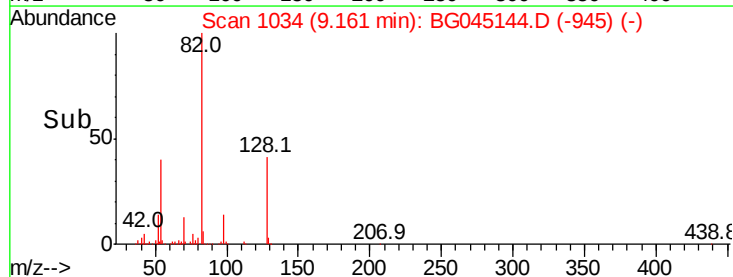
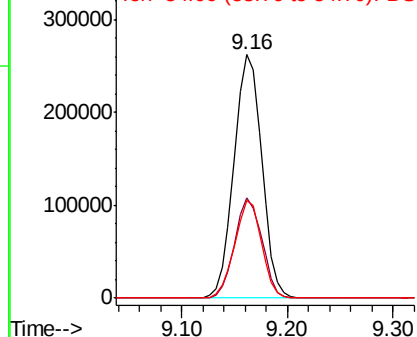


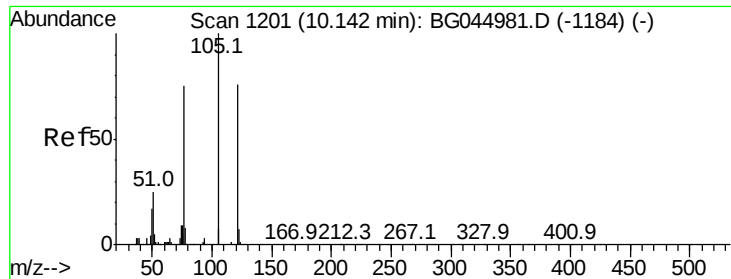
#23
Nitrobenzene-d5
Concen: 55.536 ng
RT: 9.16 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG045144.D
Acq: 23 Apr 2020 16:31

Tgt Ion: 82	Resp:	476179
Ion Ratio	Lower	Upper
82	100	
128	41.4	33.0 49.4
54	40.2	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: 6.387 ng

RT: 10.11 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

Instrument :

BNA_G

ClientSampled :

TP-20A

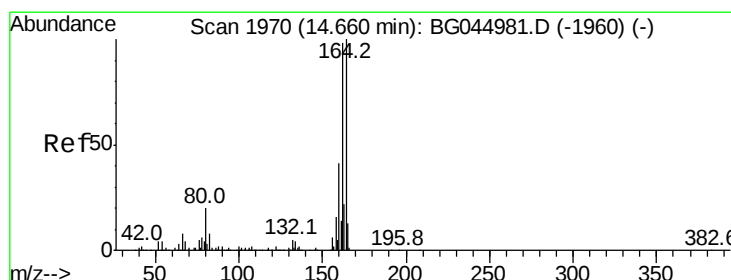
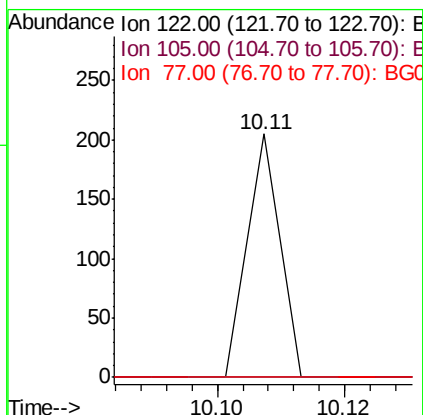
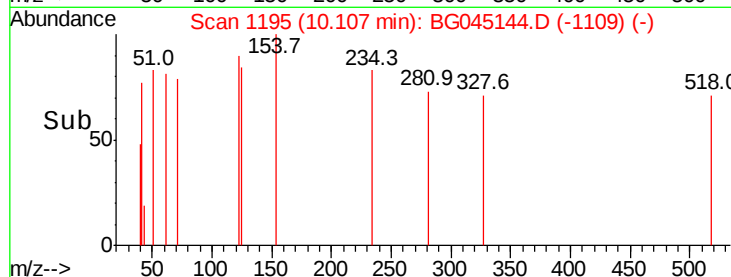
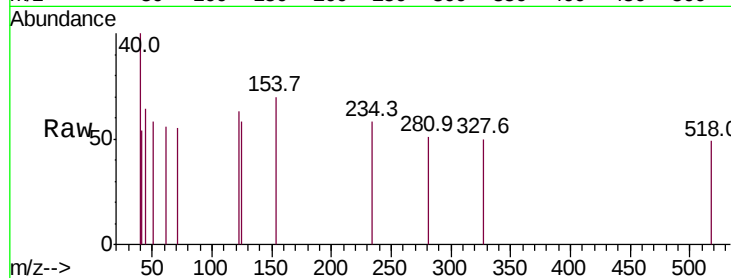
Tot Ion:122 Resp: 72

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: 14.64 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

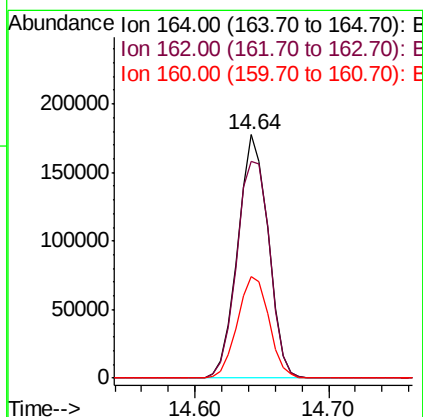
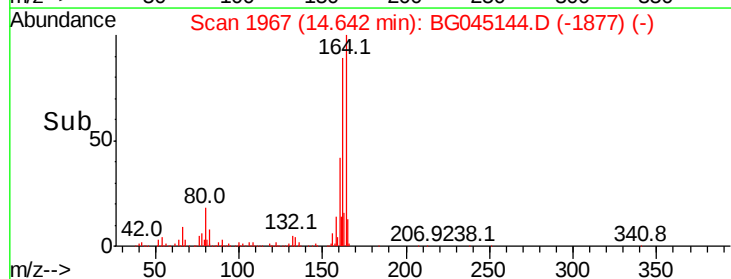
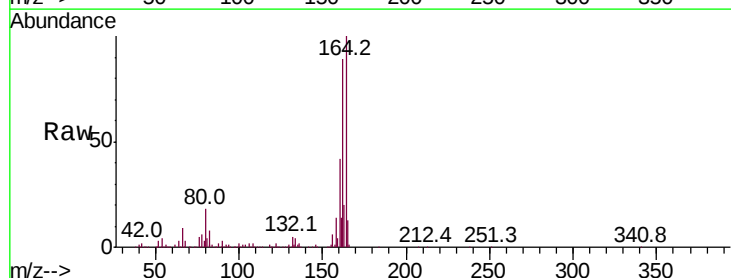
Tgt Ion:164 Resp: 280111

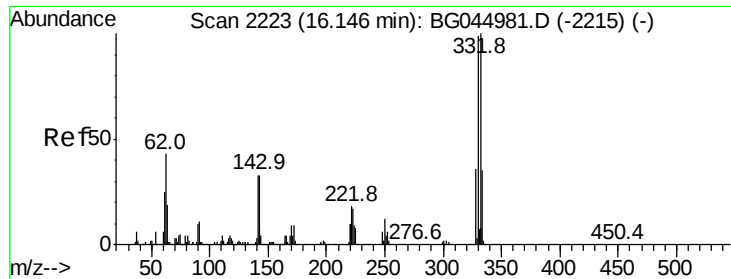
Ion Ratio Lower Upper

164 100

162 89.2 78.7 118.1

160 41.8 32.8 49.2

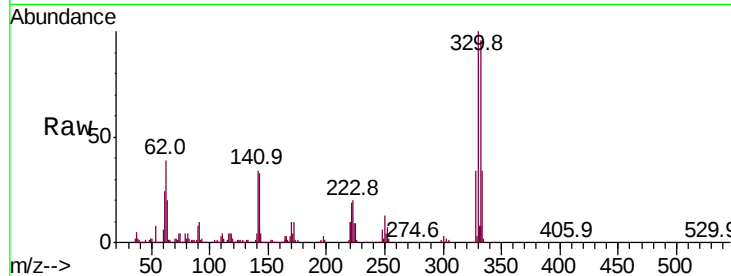




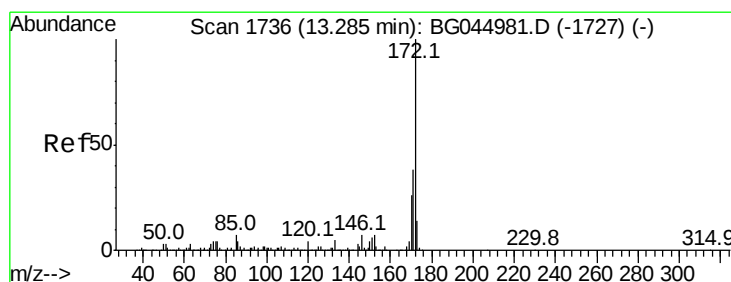
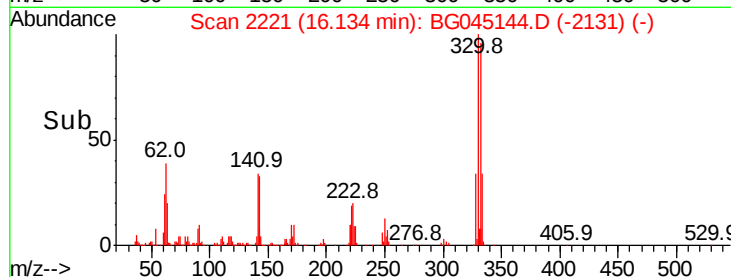
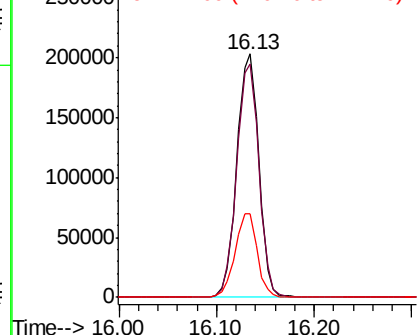
#42
 2,4,6-Tribromophenol
 Concen: 73.263 ng
 RT: 16.13 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BG045144.D
 Acq: 23 Apr 2020 16:31

Instrument :
 BNA_G
 ClientSampleId :
 TP-20A

Tot Ion:330 Resp: 317034
 Ion Ratio Lower Upper
 330 100
 332 96.9 79.1 118.7
 141 34.5 27.1 40.7

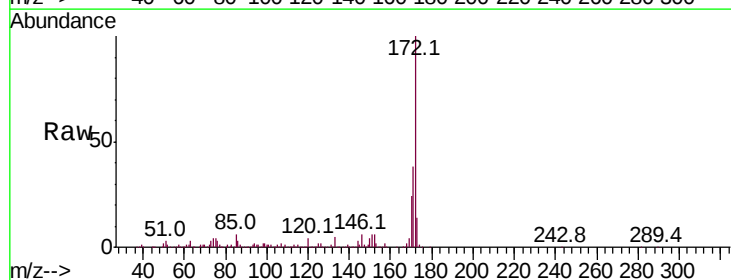


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

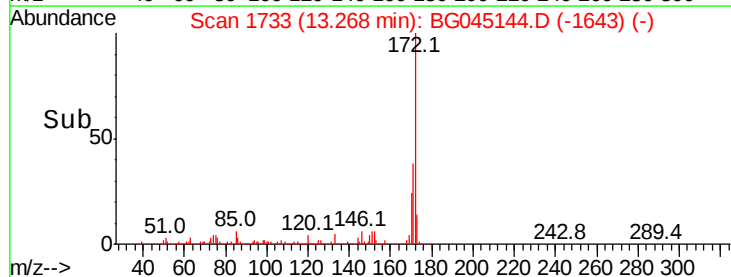
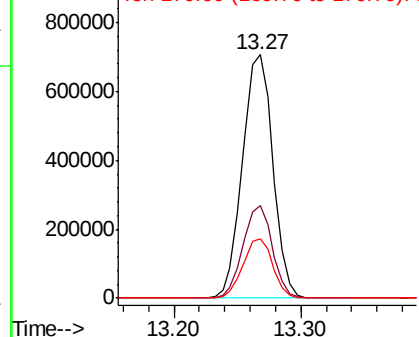


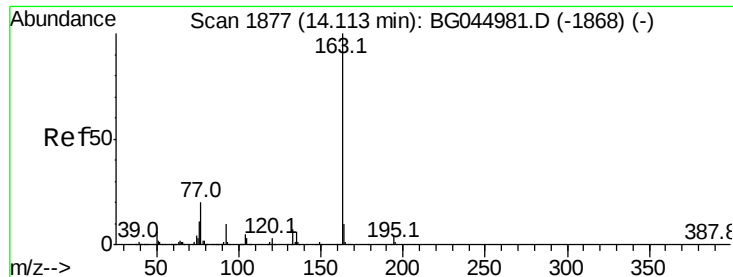
#45
 2-Fluorobiphenyl
 Concen: 61.594 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.00 min
 Lab File: BG045144.D
 Acq: 23 Apr 2020 16:31

Tgt Ion:172 Resp: 1176627
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.6 46.0
 170 24.5 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





#50

Dimethylphthalate

Concen: 8.316 ng

RT: 14.09 min Scan# 1873

Delta R.T. -0.01 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

Instrument :

BNA_G

ClientSampleId :

TP-20A

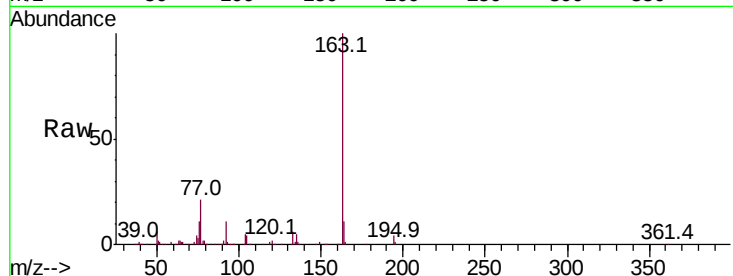
Tot Ion:163 Resp: 189669

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

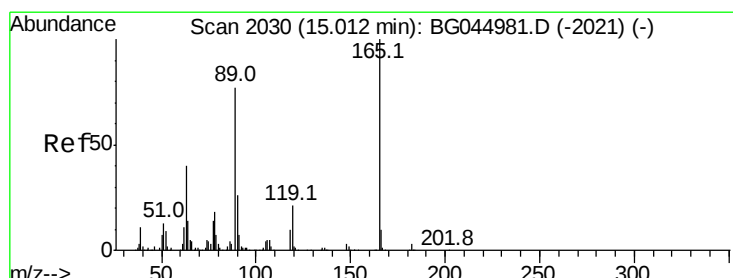
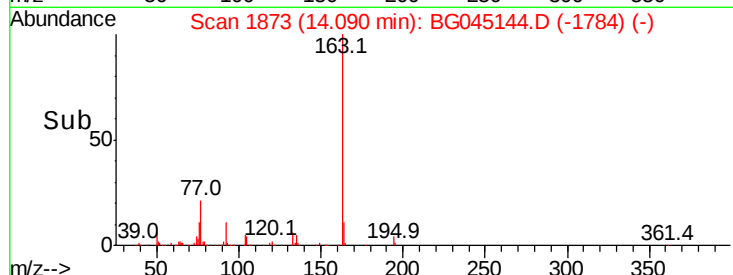
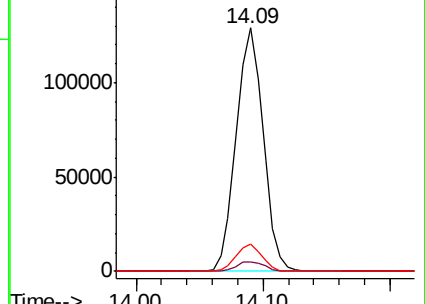
164 11.3 8.2 12.4



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: 4.888 ng

RT: 14.64 min Scan# 1967

Delta R.T. -0.36 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

Tgt Ion:165 Resp: 36438

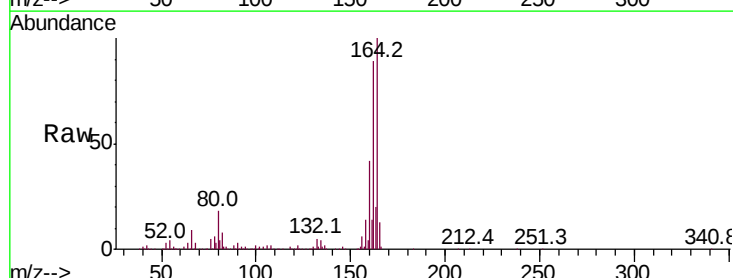
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.6 61.7 92.5#

182 0.0 2.0 3.0#

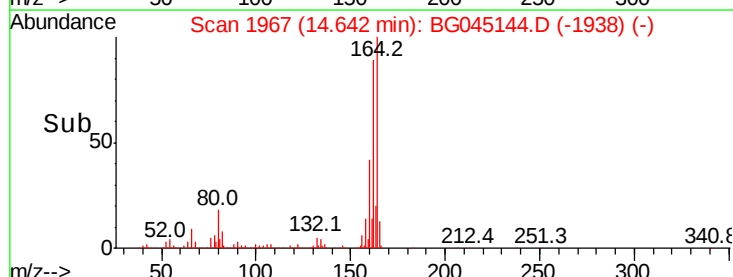
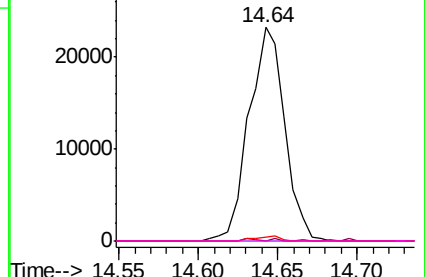


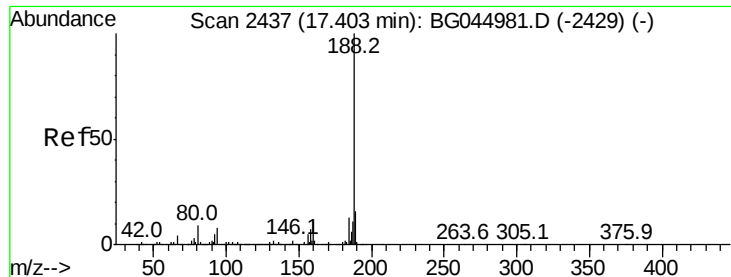
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

Instrument :

BNA_G

ClientSampled :

TP-20A

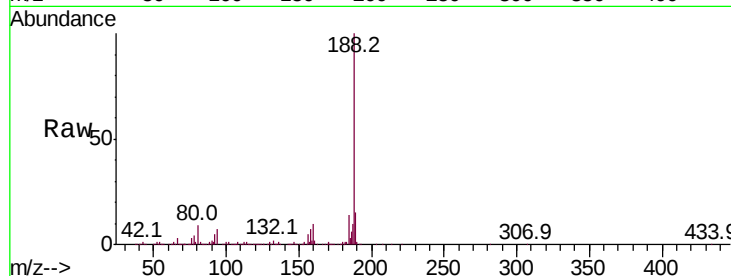
Tot Ion:188 Resp: 602525

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

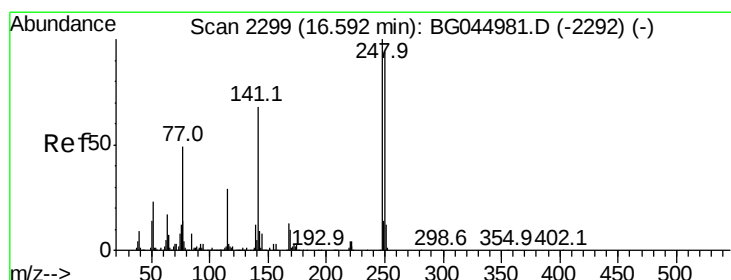
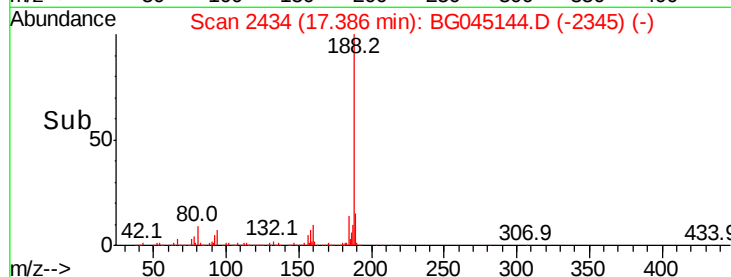
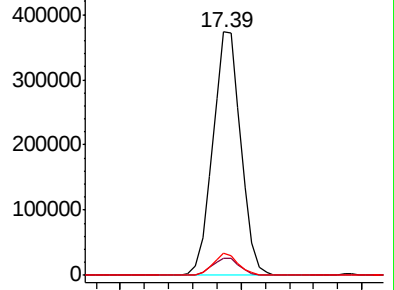
80 9.0 7.0 10.6



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: 2.567 ng

RT: 16.13 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

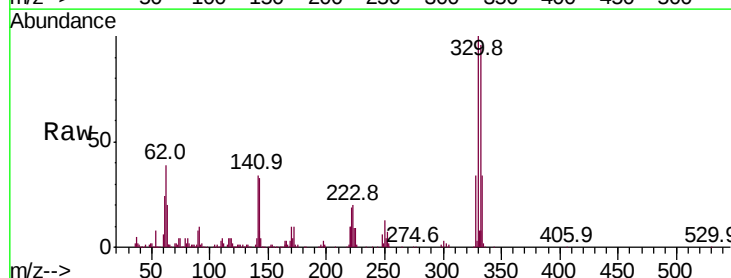
Tgt Ion:248 Resp: 19952

Ion Ratio Lower Upper

248 100

250 208.1 75.4 113.2#

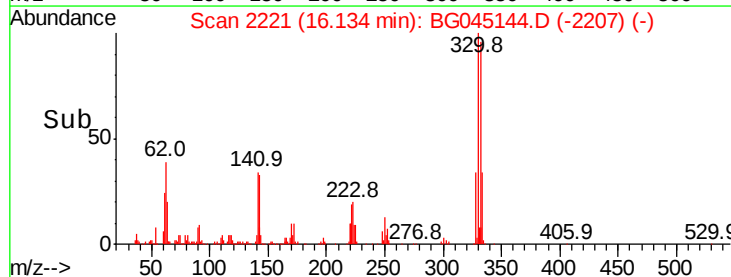
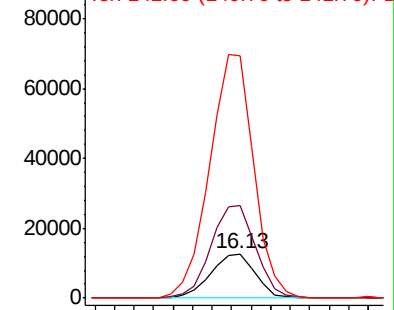
141 547.6 54.4 81.6#

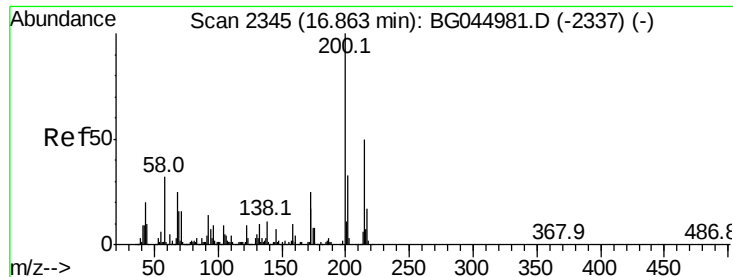


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.63 min Scan# 2305

Delta R.T. -0.22 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

Instrument :

BNA_G

ClientSampleId :

TP-20A

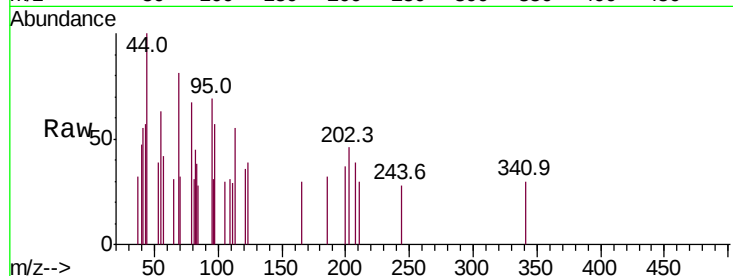
Tot Ion:200 Resp: 73

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

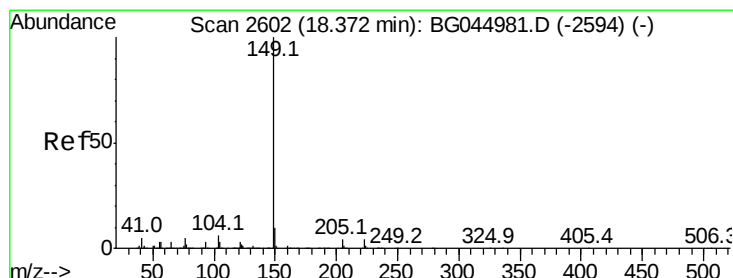
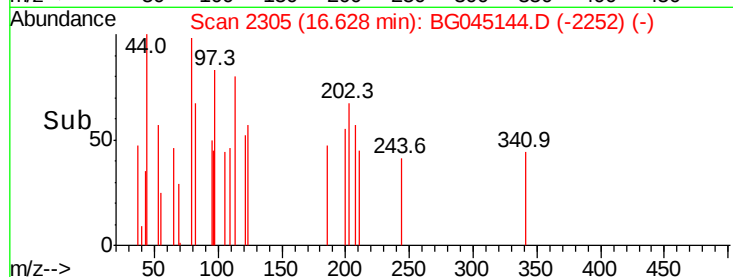
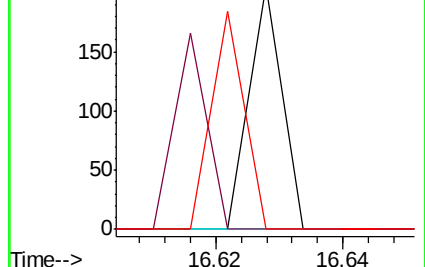
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

16.63

16.62

16.64



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. -0.01 min

Lab File: BG045144.D

Acq: 23 Apr 2020 16:31

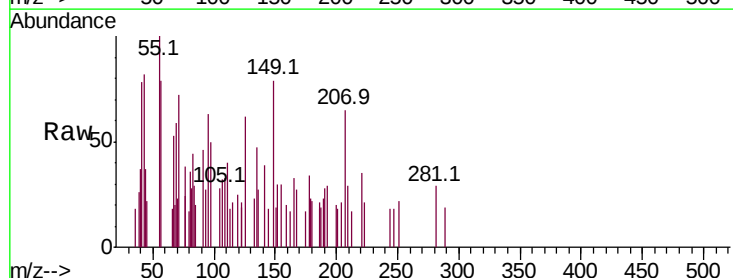
Tgt Ion:149 Resp: 1249

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

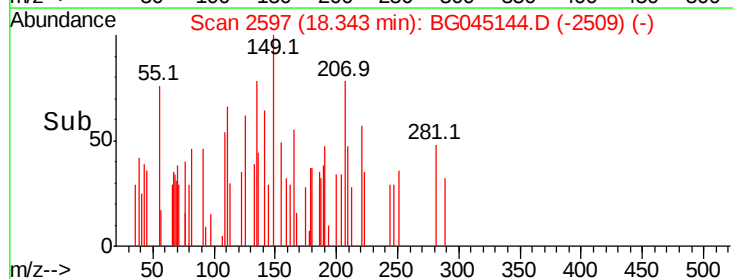
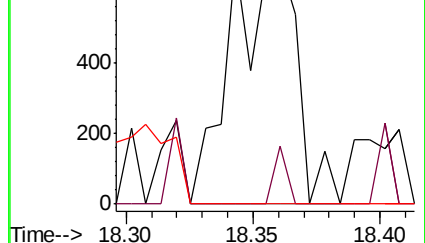
Ion 104.00 (103.70 to 104.70): E

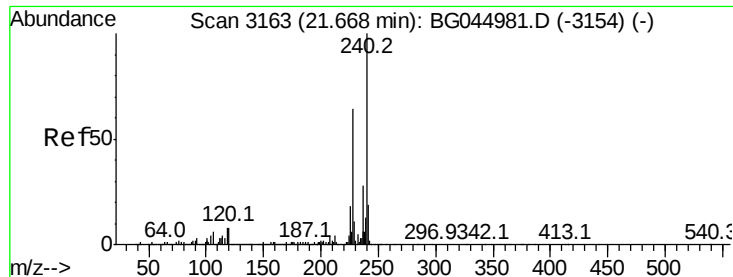
18.34

18.30

18.35

18.40

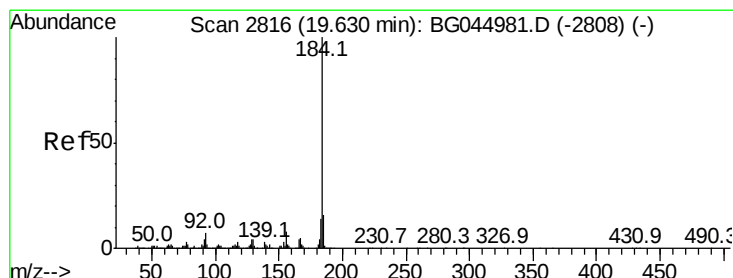
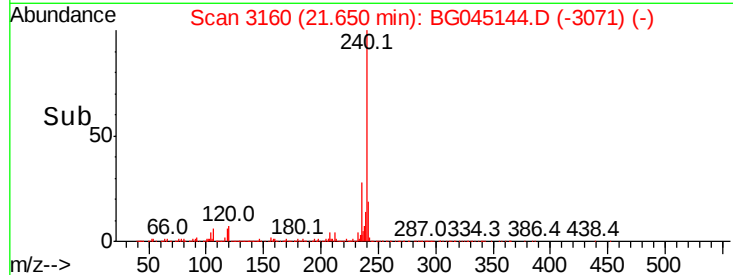
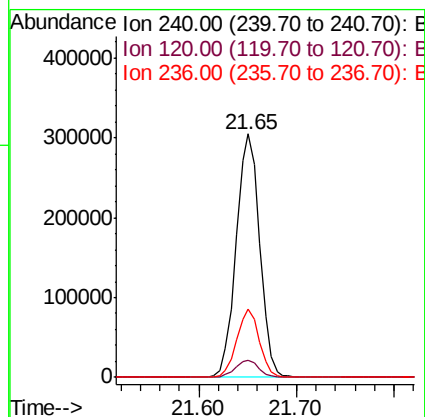
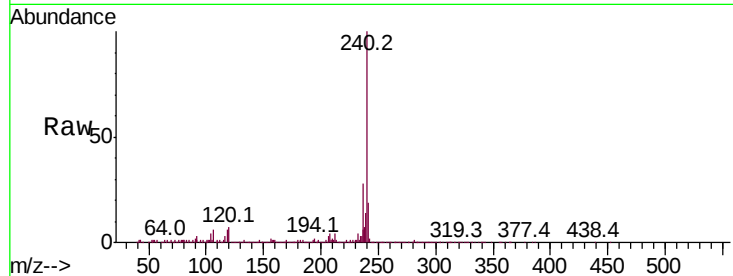




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.65 min Scan# 3160
 Delta R.T. -0.01 min
 Lab File: BG045144.D
 Acq: 23 Apr 2020 16:31

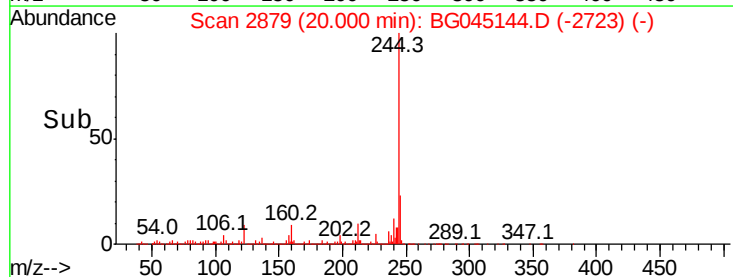
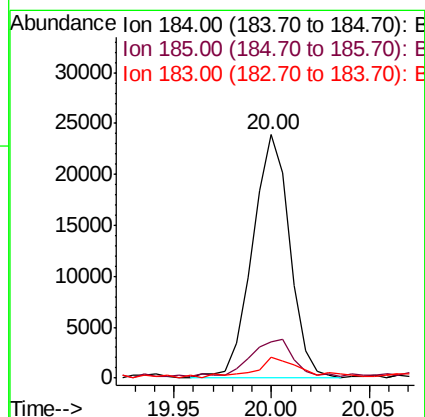
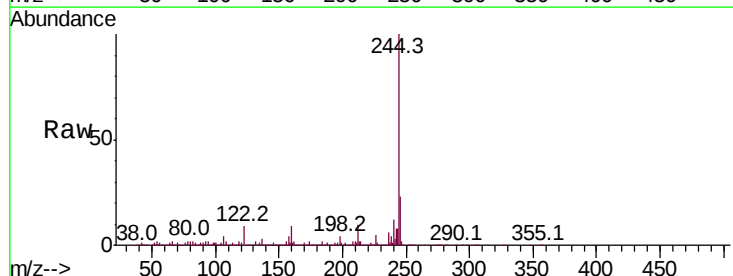
Instrument :
 BNA_G
 ClientSampleId :
 TP-20A

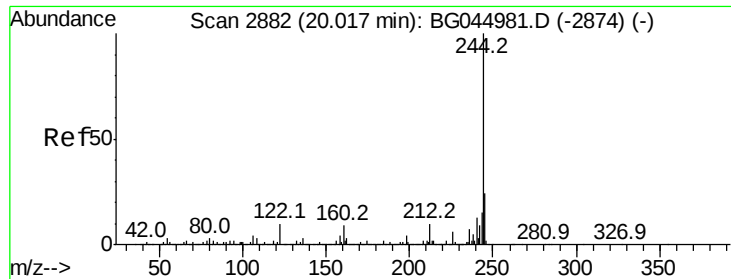
Tot Ion	Ratio	Lower	Upper
240	100		
120	7.3	6.6	10.0
236	27.9	22.2	33.2



#77
 Benzidine
 Concen: Below Cal
 RT: 20.00 min Scan# 2879
 Delta R.T. 0.39 min
 Lab File: BG045144.D
 Acq: 23 Apr 2020 16:31

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.6	19.0
183	8.8	11.3	16.9#

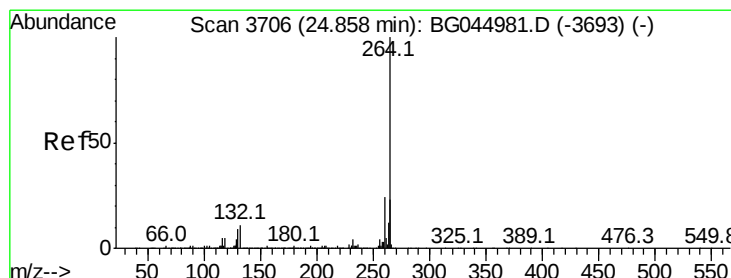
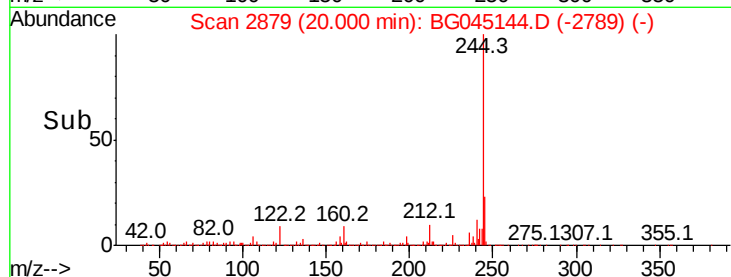
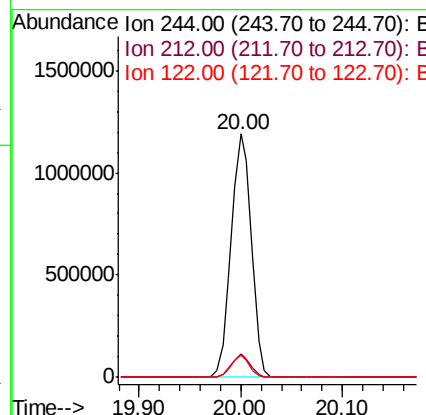
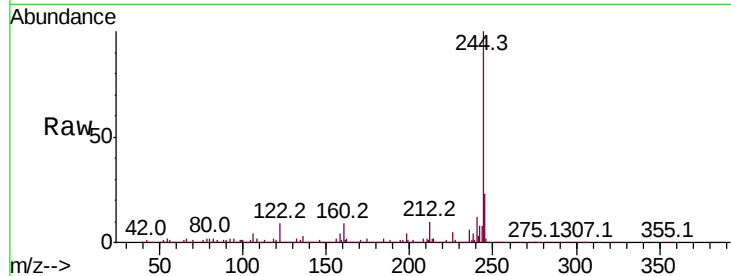




#79
Terphenyl-d14
Concen: 70.598 ng
RT: 20.00 min Scan# 2879
Delta R.T. -0.00 min
Lab File: BG045144.D
Acq: 23 Apr 2020 16:31

Instrument :
BNA_G
ClientSampleId :
TP-20A

Tot Ion:244 Resp: 1644380
Ion Ratio Lower Upper
244 100
212 9.7 7.9 11.9
122 9.1 7.7 11.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3701
Delta R.T. -0.01 min
Lab File: BG045144.D
Acq: 23 Apr 2020 16:31

Tgt Ion:264 Resp: 541459
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 22.9 19.0 28.4

