

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG041720\
 Data File : BG045032.D
 Acq On : 17 Apr 2020 14:27
 Operator : CG/JU
 Sample : L2284-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-11-DA

Quant Time: Apr 17 15:23:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 11:08:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	63783	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	271040	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	221428	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	560273	20.00	ng	0.00
76) Chrysene-d12	21.66	240	534624	20.00	ng	0.00
87) Perylene-d12	24.85	264	387214	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	544665	140.98	ng	0.00
7) Phenol-d6	7.18	99	758644	132.17	ng	0.00
23) Nitrobenzene-d5	9.18	82	575569	96.90	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	535140	156.44	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1442657	95.53	ng	0.00
79) Terphenyl-d14	20.01	244	2554442	104.14	ng	0.00

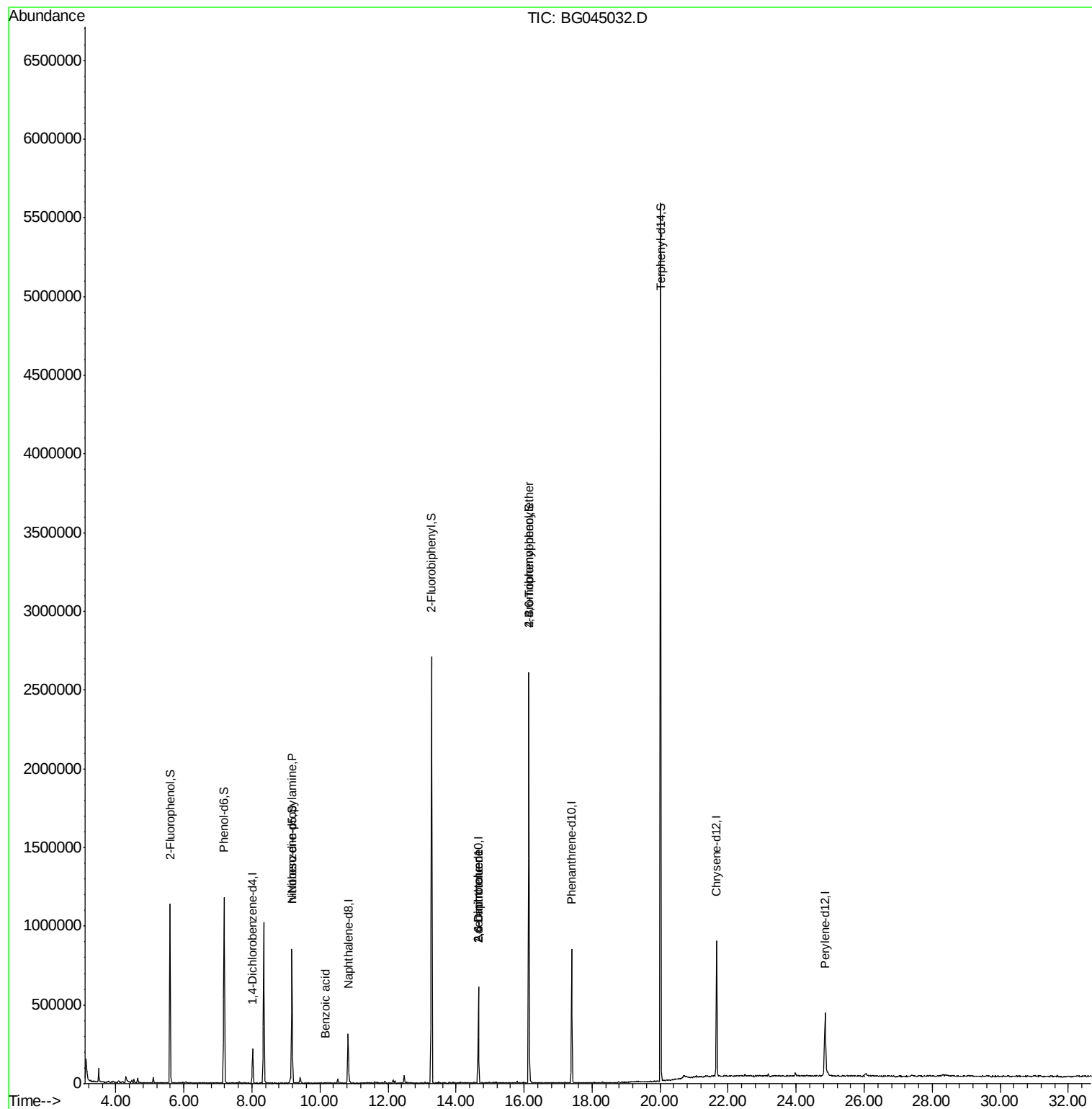
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	2011	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	79662	19.624	ng	# 79
32) Benzoic acid	10.15	122	510	6.505	ng	# 23
51) 2,6-Dinitrotoluene	14.66	165	28569	7.084	ng	# 25
57) 2,4-Dinitrotoluene	14.66	165	28569	4.848	ng	# 23
67) 4-Bromophenyl-phenylether	16.14	248	36064	4.990	ng	# 1
69) Atrazine	17.12	200	96	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	1407	Below Cal	#	76
75) Fluoranthene	19.46	202	368	Below Cal	#	62
77) Benzidine	20.01	184	50643	Below Cal	#	89

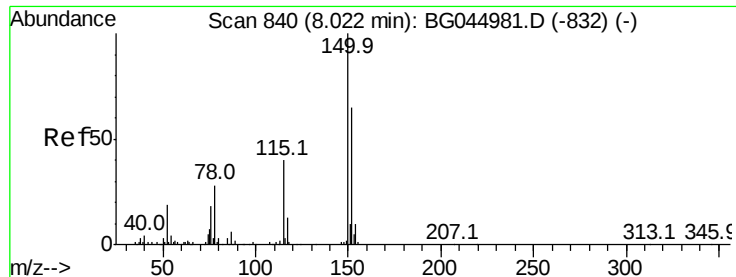
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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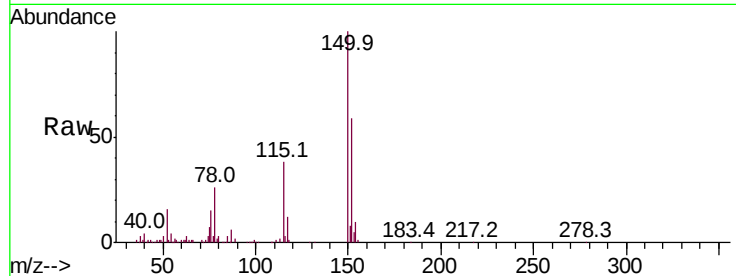


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 839
Delta R.T. -0.01 min
Lab File: BG045032.D
Acq: 17 Apr 2020 14:27

Instrument :
BNA_G
ClientSampleId :
TP-11-DA

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.5	123.6	185.4
115	64.8	49.1	73.7

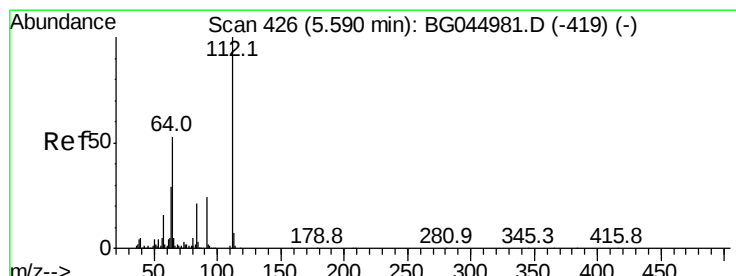
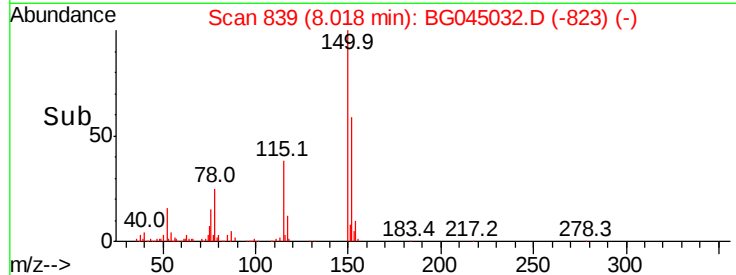
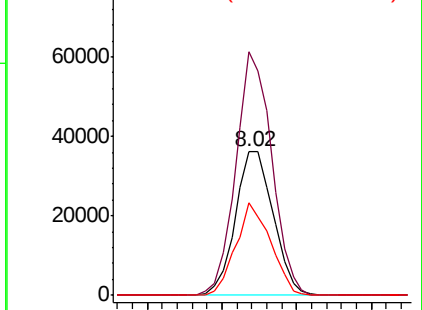


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

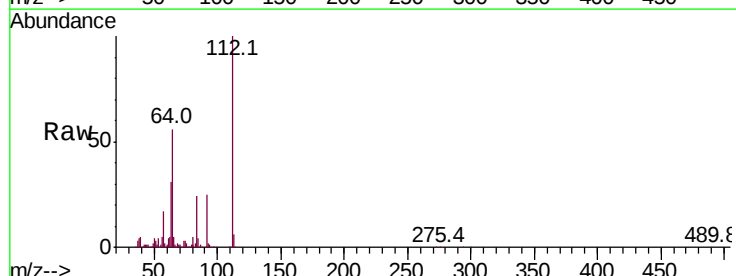
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 140.980 ng
RT: 5.59 min Scan# 426
Delta R.T. -0.00 min
Lab File: BG045032.D
Acq: 17 Apr 2020 14:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.4	63.6
63	31.1	23.1	34.7

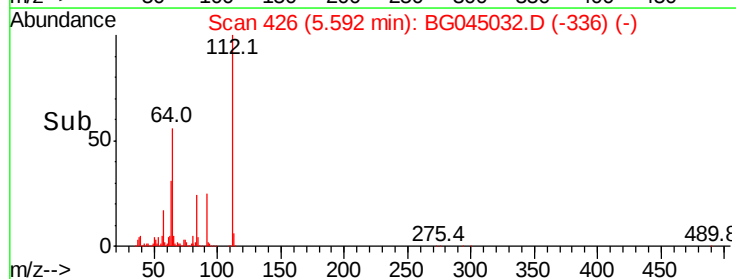
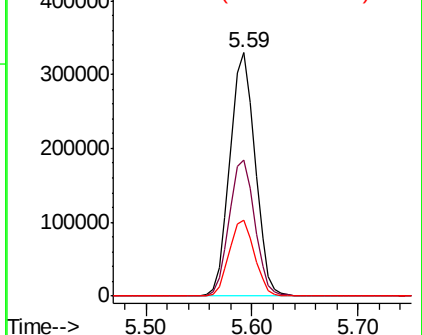


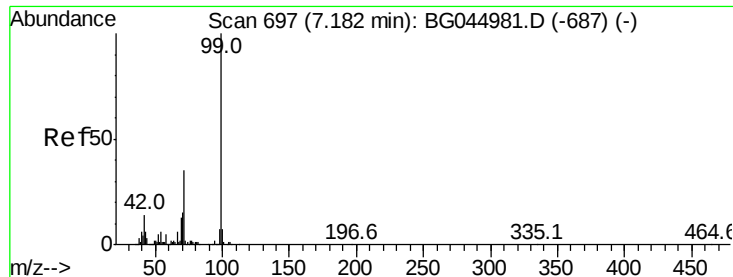
Abundance

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: 132.166 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

Instrument :

BNA_G

ClientSampleId :

TP-11-DA

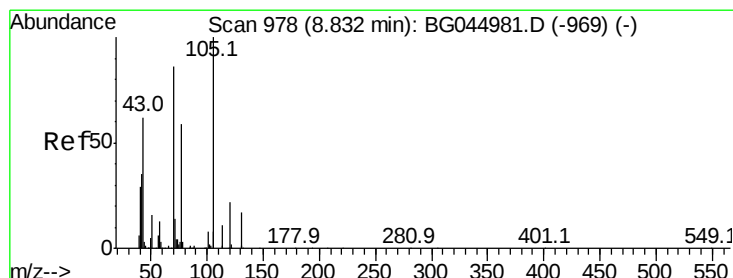
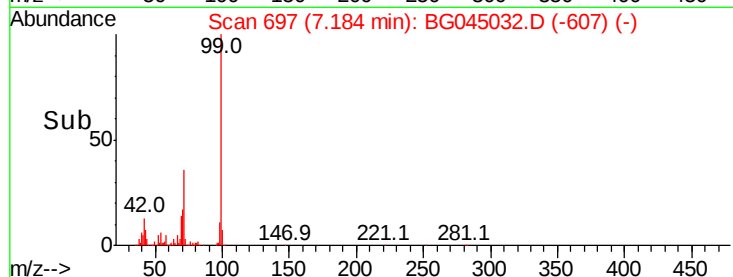
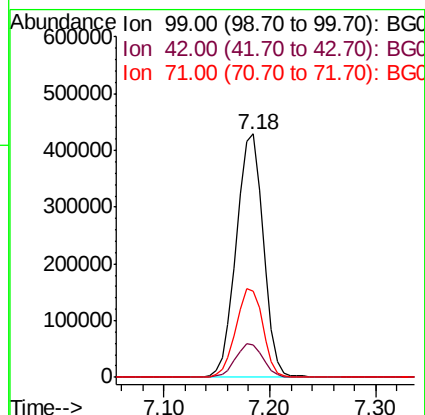
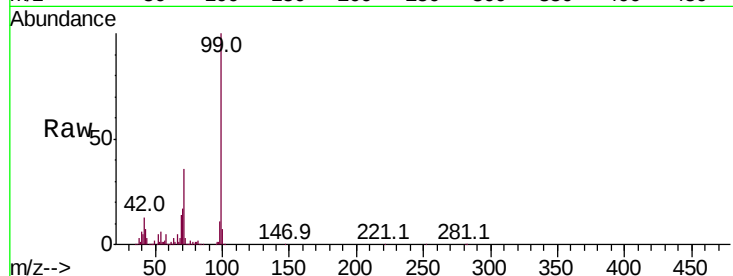
Tot Ion: 99 Resp: 758644

Ion Ratio Lower Upper

99 100

42 13.2 11.3 16.9

71 35.6 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.624 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.35 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

Tgt Ion: 70 Resp: 79662

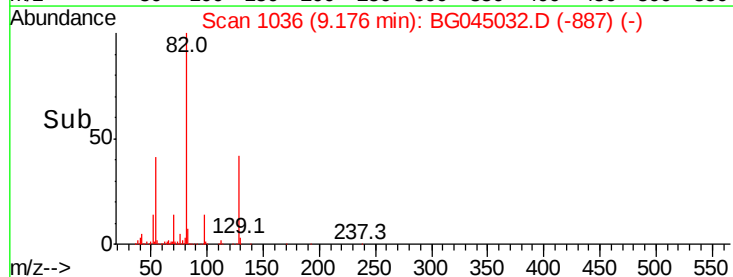
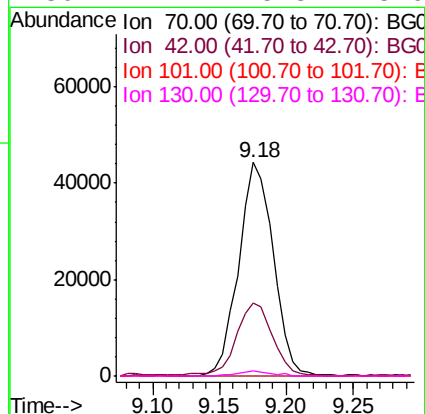
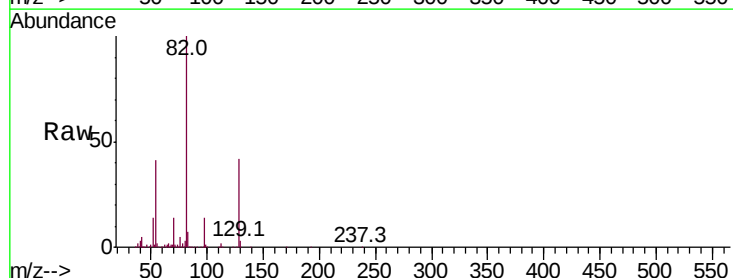
Ion Ratio Lower Upper

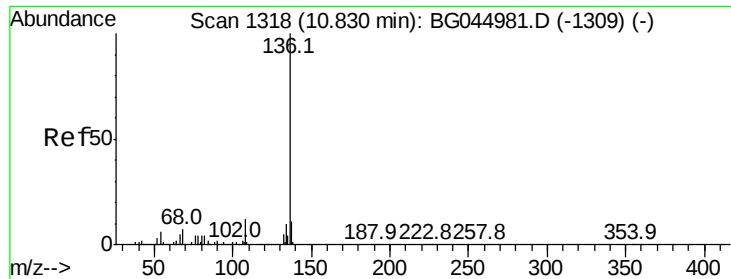
70 100

42 33.9 33.3 49.9

101 0.0 7.8 11.8#

130 2.1 15.8 23.6#

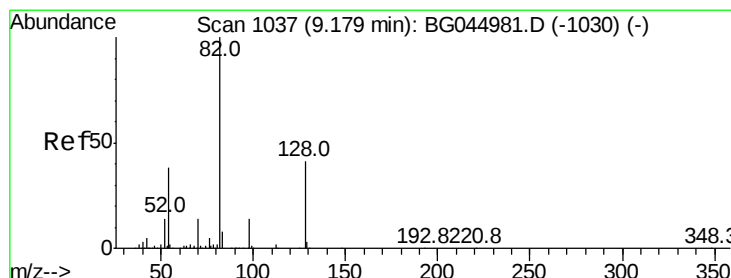
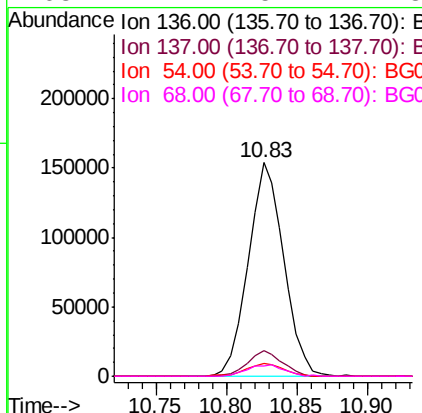
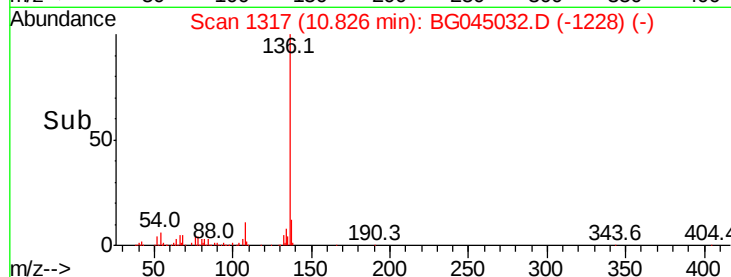
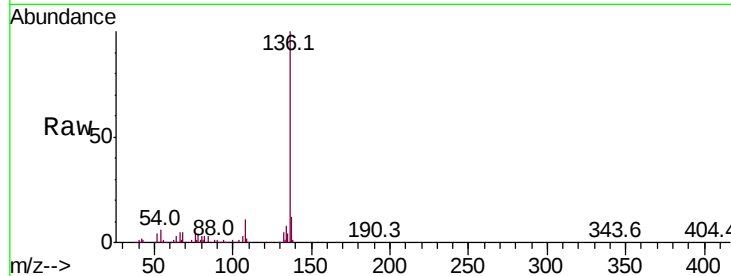




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BG045032.D
Acq: 17 Apr 2020 14:27

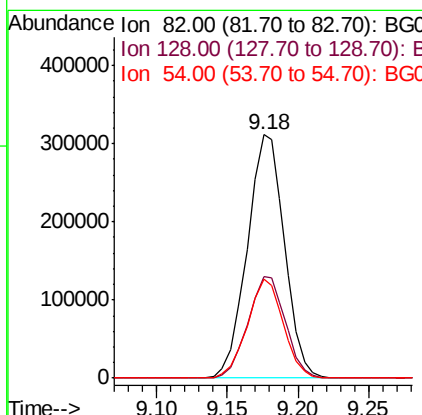
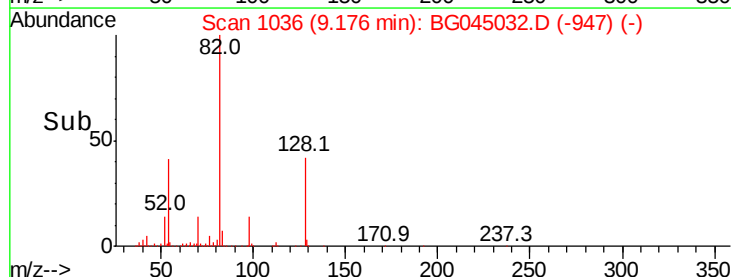
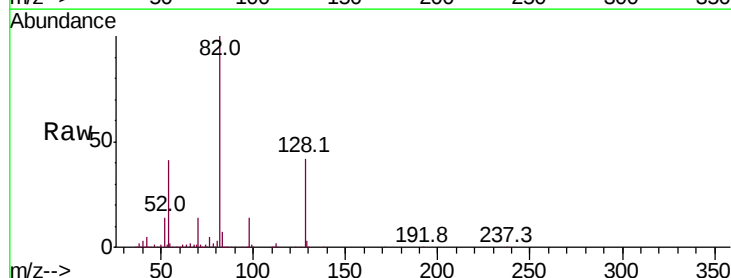
Instrument :
BNA_G
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TP-11-DA

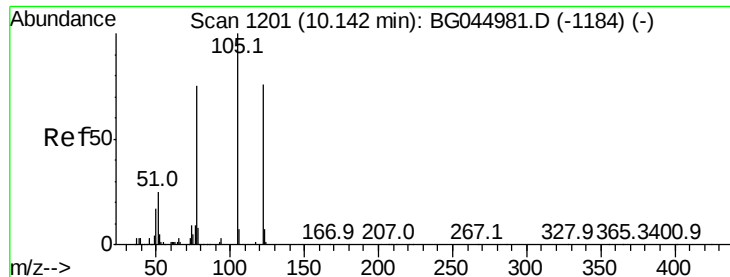
Tot Ion:136	Resp:	271040
Ion Ratio	Lower	Upper
136 100		
137 11.9	8.6	13.0
54 5.8	4.8	7.2
68 4.7	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 96.895 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BG045032.D
Acq: 17 Apr 2020 14:27

Tgt Ion: 82	Resp: 575569
Ion Ratio	Lower Upper
82 100	
128 41.9	33.0 49.4
54 40.8	30.4 45.6





#32

Benzoic acid

Concen: 6.505 ng

RT: 10.15 min Scan# 1202

Delta R.T. -0.00 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

Instrument :

BNA_G

ClientSampled :

TP-11-DA

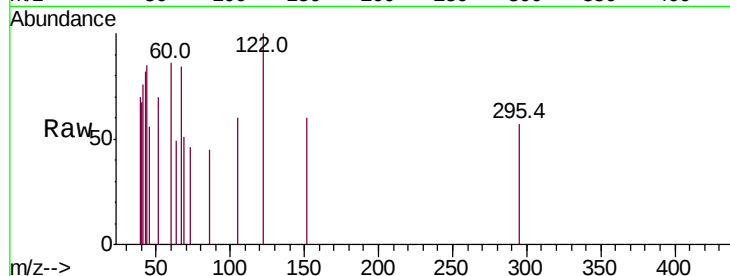
Tot Ion:122 Resp: 510

Ion Ratio Lower Upper

122 100

105 60.2 108.4 148.4#

77 0.0 78.8 118.8#

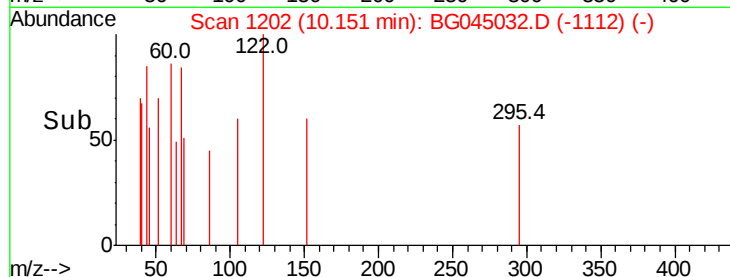


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Time-->

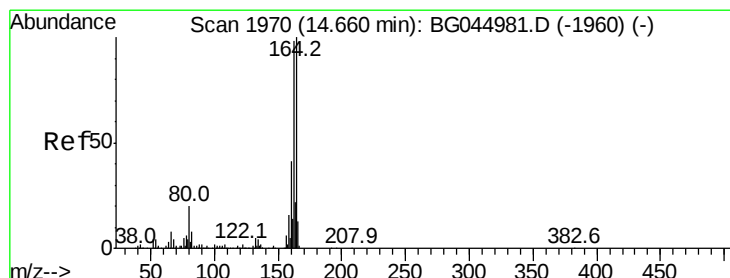


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

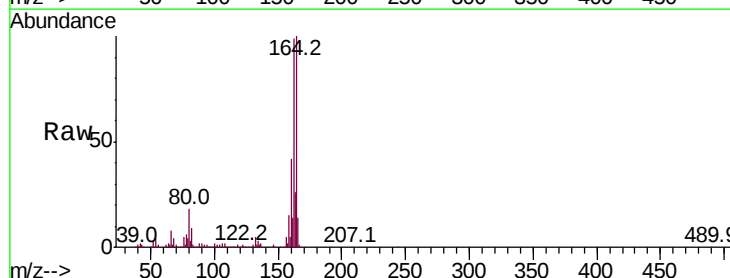
Tgt Ion:164 Resp: 221428

Ion Ratio Lower Upper

164 100

162 99.2 78.7 118.1

160 42.0 32.8 49.2

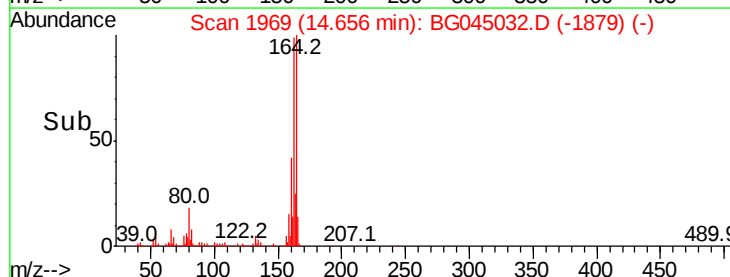


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time-->

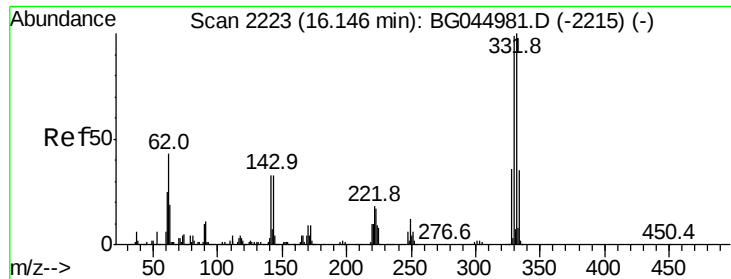


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

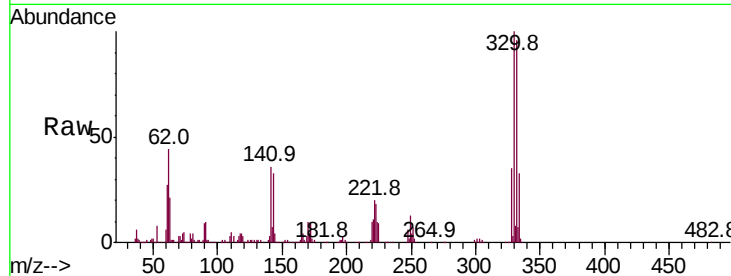
Time-->



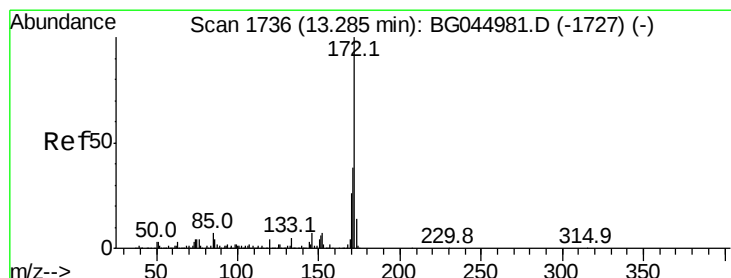
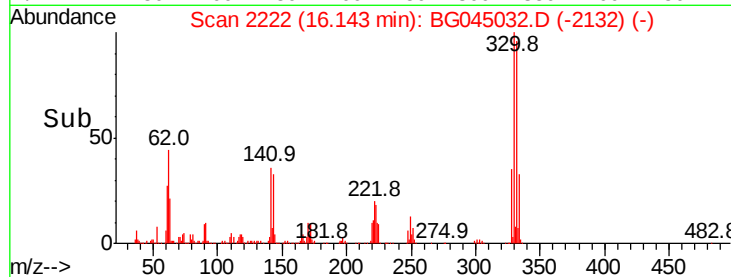
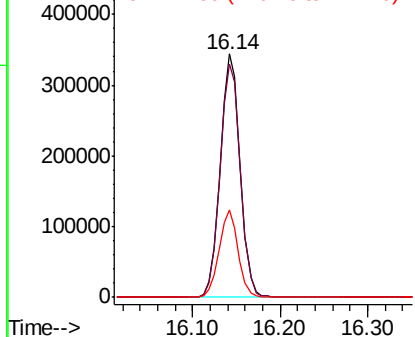
#42
 2,4,6-Tribromophenol
 Concen: 156.438 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045032.D
 Acq: 17 Apr 2020 14:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-11-DA

Tot Ion:330 Resp: 535140
 Ion Ratio Lower Upper
 330 100
 332 97.7 79.1 118.7
 141 34.7 27.1 40.7

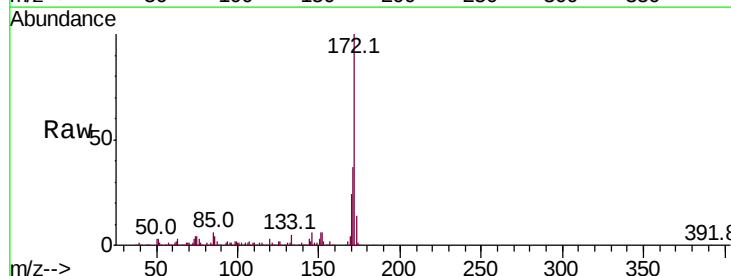


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

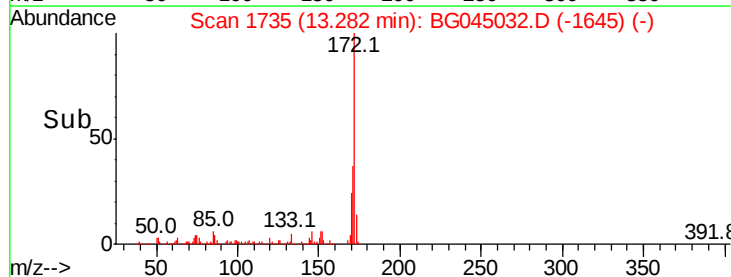
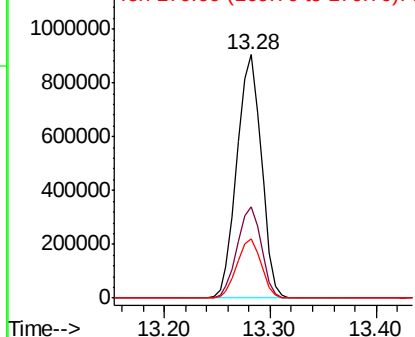


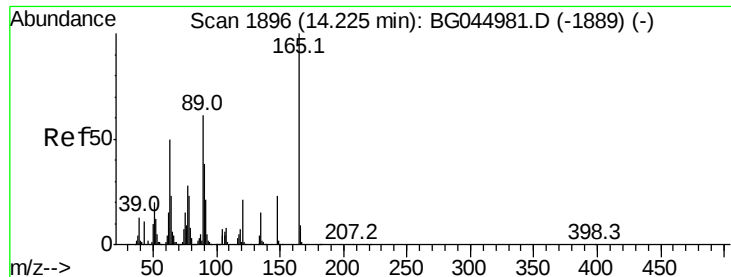
#45
 2-Fluorobiphenyl
 Concen: 95.534 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045032.D
 Acq: 17 Apr 2020 14:27

Tgt Ion:172 Resp: 1442657
 Ion Ratio Lower Upper
 172 100
 171 37.3 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

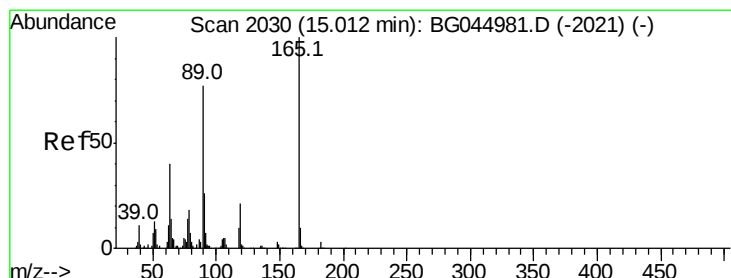
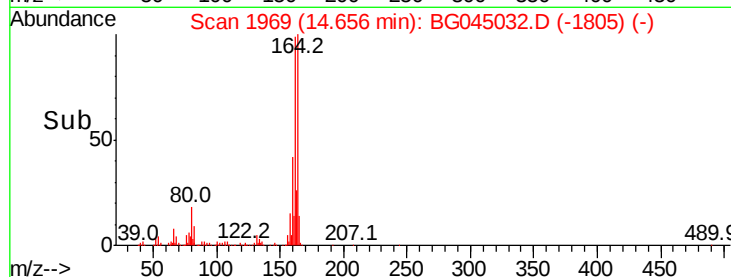
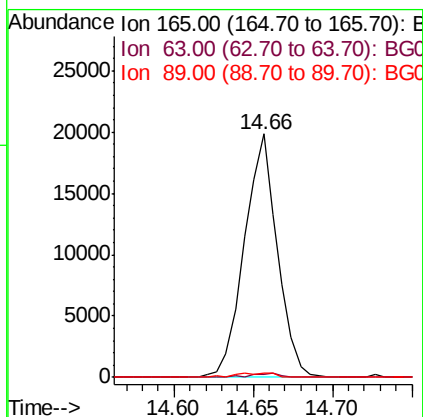
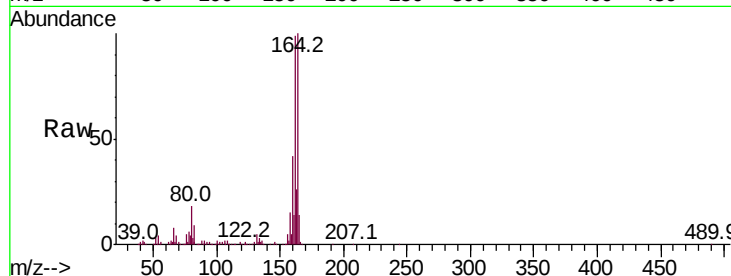




#51
 2,6-Dinitrotoluene
 Concen: 7.084 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG045032.D
 Acq: 17 Apr 2020 14:27

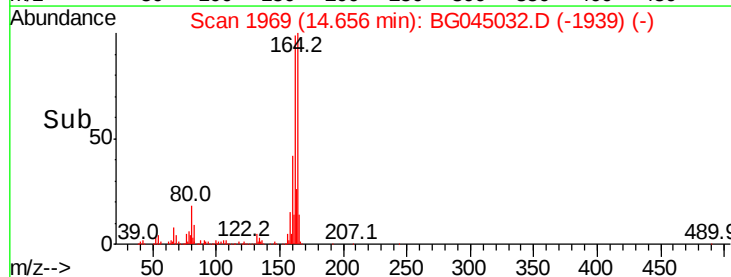
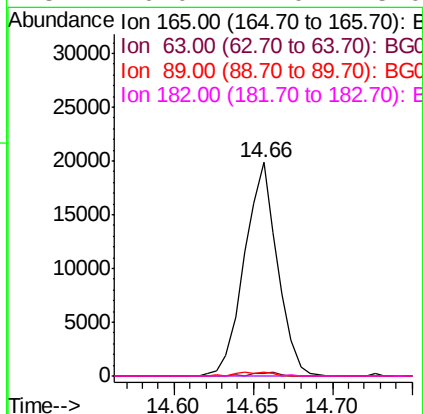
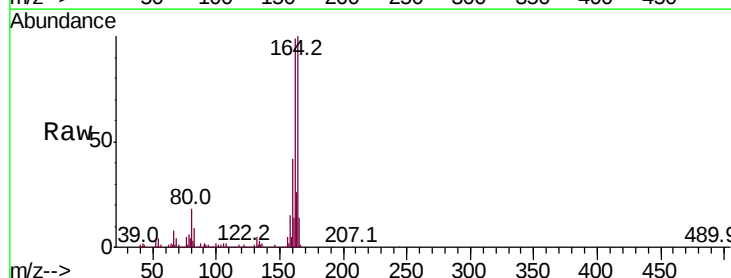
Instrument :
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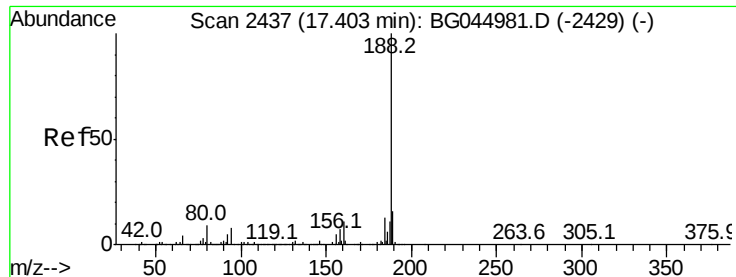
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.4	60.6#
89	1.8	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.848 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.35 min
 Lab File: BG045032.D
 Acq: 17 Apr 2020 14:27

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

Instrument :

BNA_G

ClientSampleId :

TP-11-DA

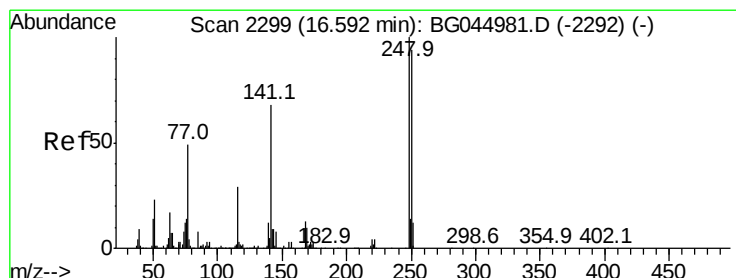
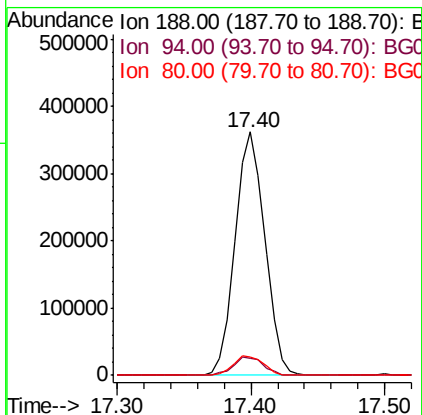
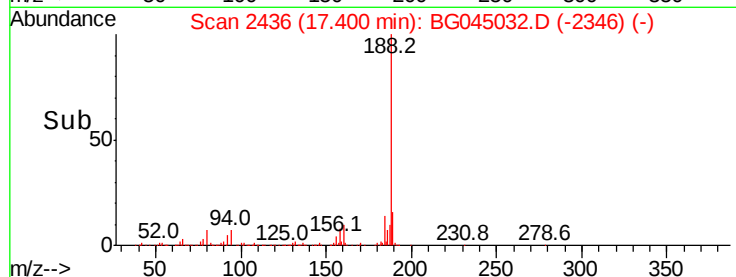
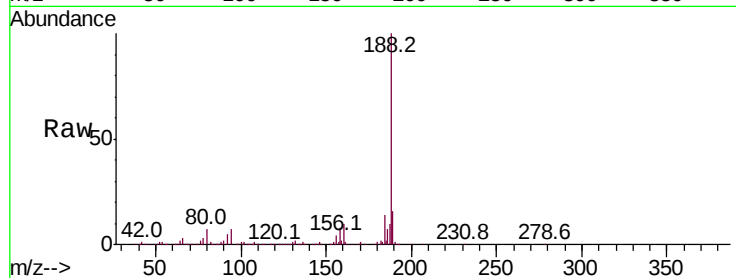
Tot Ion:188 Resp: 560273

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

80 7.5 7.0 10.6



#67

4-Bromophenyl-phenylether

Concen: 4.990 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

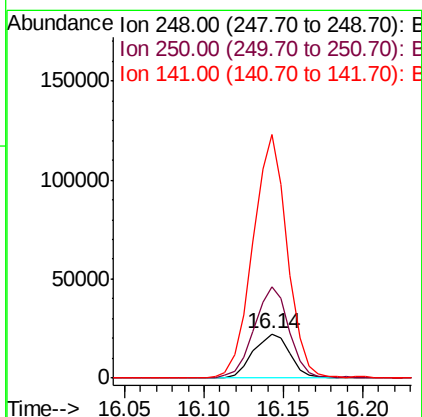
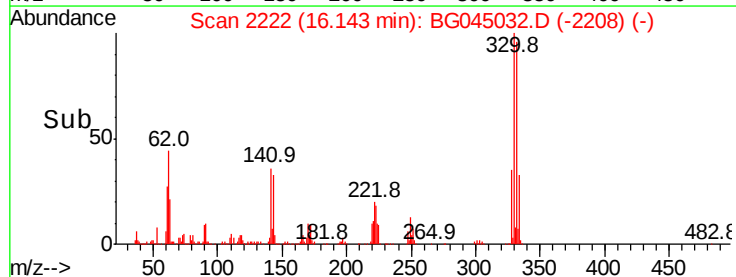
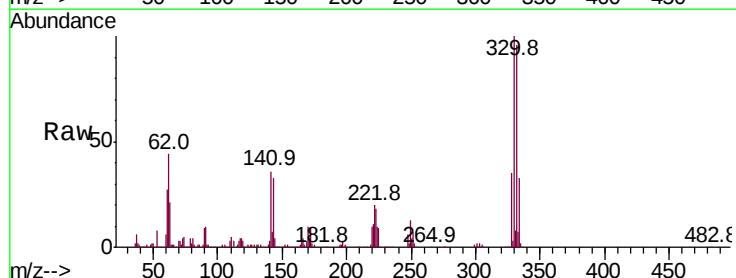
Tgt Ion:248 Resp: 36064

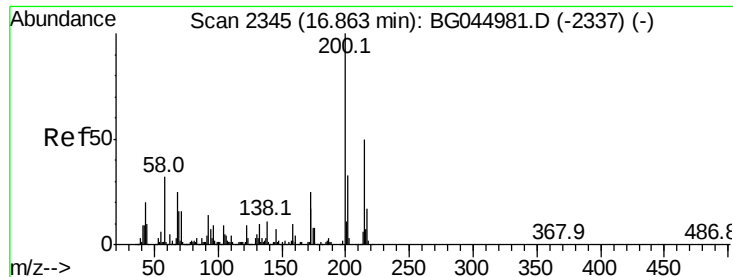
Ion Ratio Lower Upper

248 100

250 205.2 75.4 113.2#

141 550.2 54.4 81.6#





#69

Atrazine

Concen: Below Cal

RT: 17.12 min Scan# 2388

Delta R.T. 0.26 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

Instrument :

BNA_G

ClientSampleId :

TP-11-DA

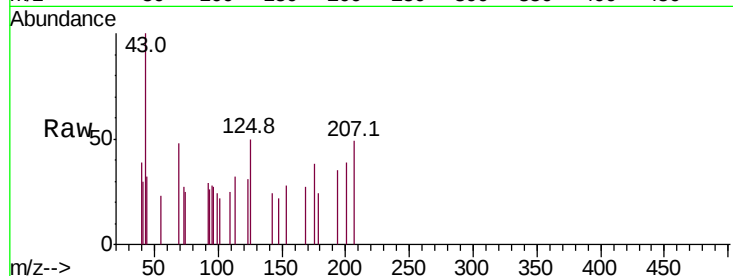
Tot Ion:200 Resp: 96

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

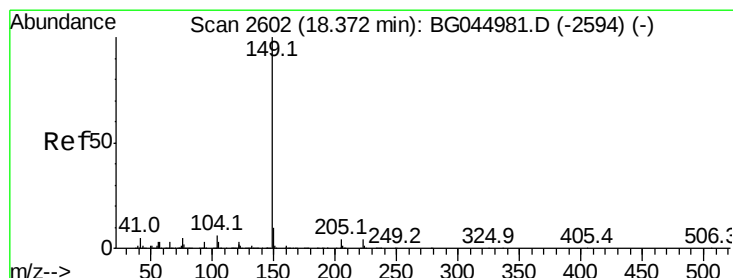
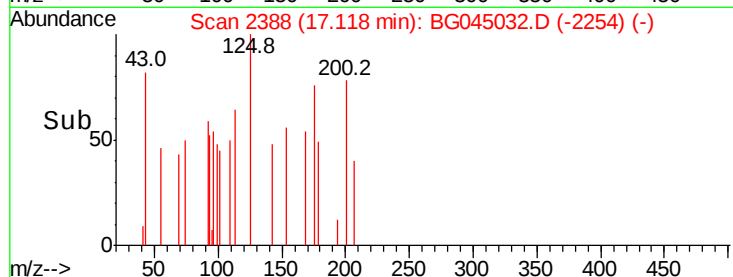
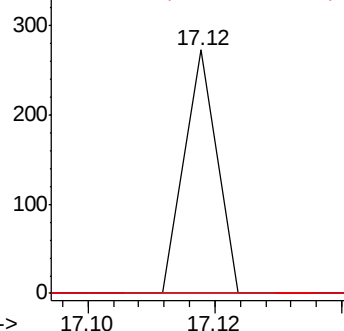
215 0.0 30.0 70.0#



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



#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.36 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

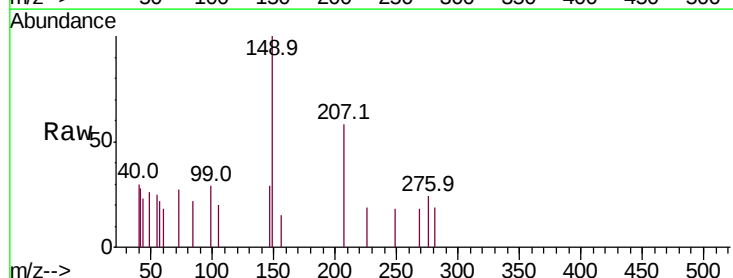
Tgt Ion:149 Resp: 1407

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

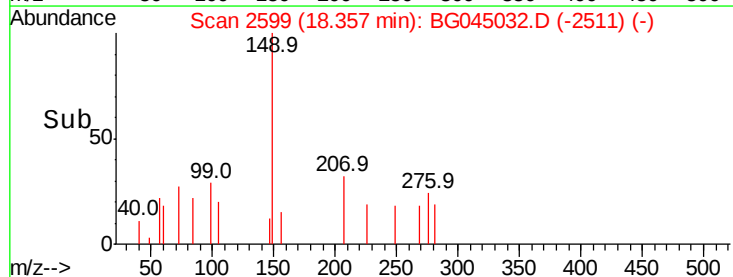
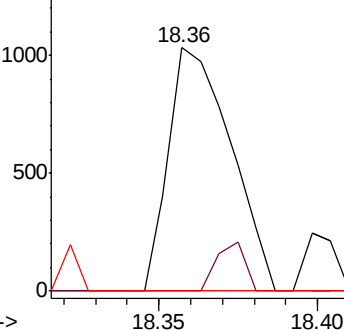
104 0.0 4.8 7.2#

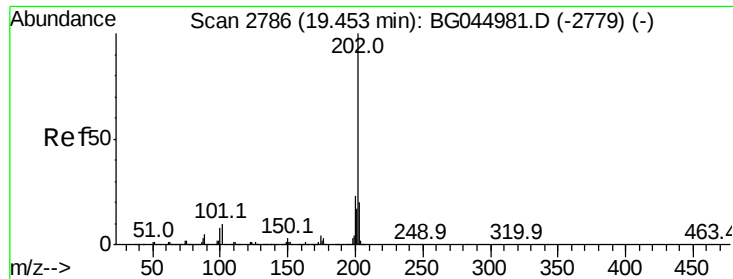


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.46 min Scan# 2786

Delta R.T. 0.01 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

Instrument :

BNA_G

ClientSampleId :

TP-11-DA

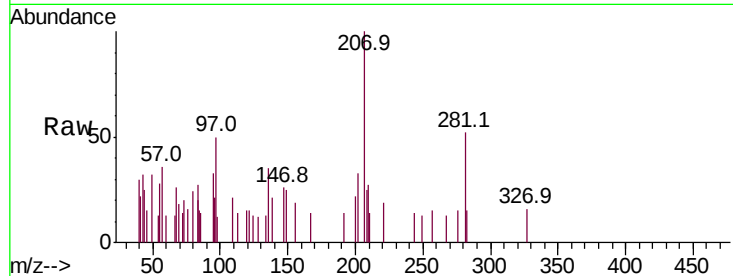
Tot Ion:202 Resp: 368

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

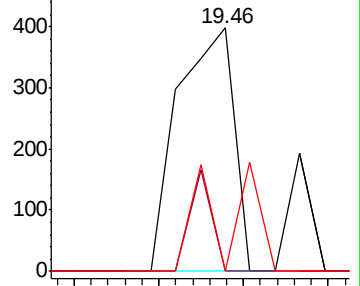
203 0.0 0.0 39.7



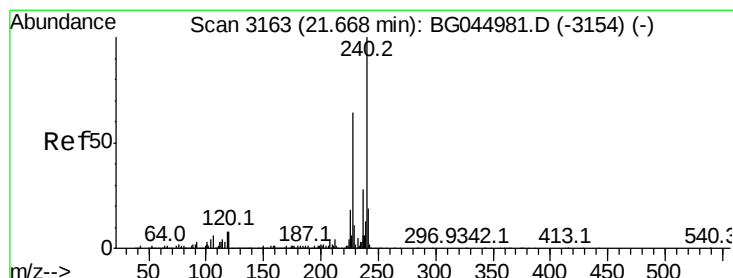
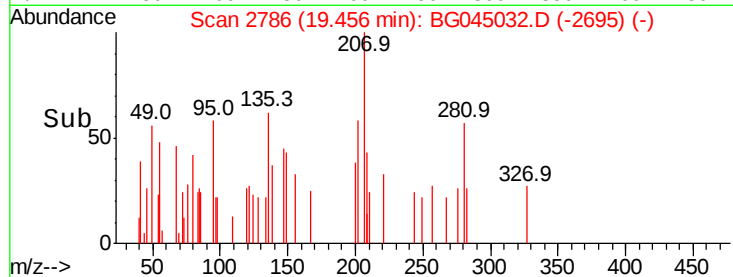
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

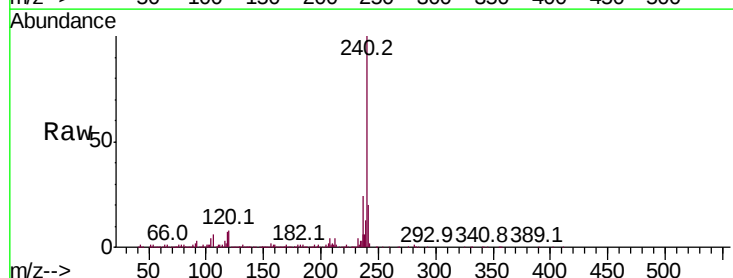
Tgt Ion:240 Resp: 534624

Ion Ratio Lower Upper

240 100

120 8.1 6.6 10.0

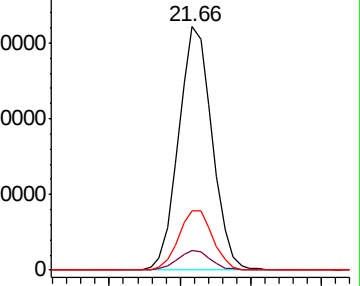
236 24.2 22.2 33.2



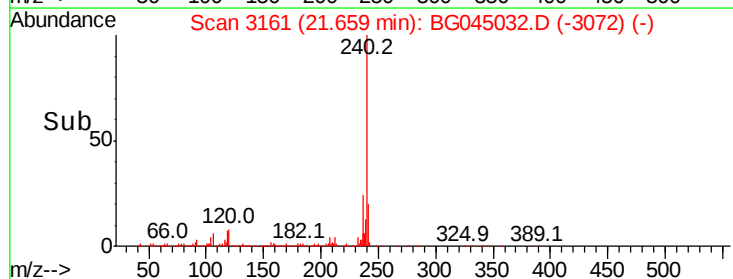
Abundance Ion 240.00 (239.70 to 240.70): E

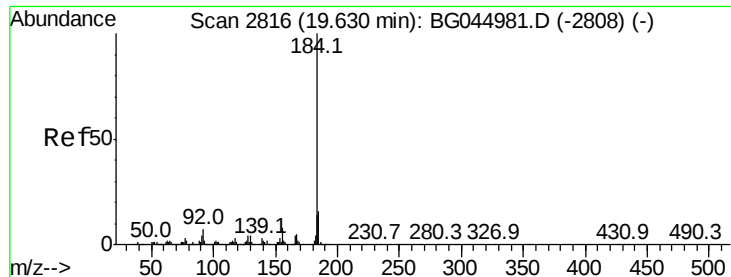
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

Instrument :

BNA_G

ClientSampled :

TP-11-DA

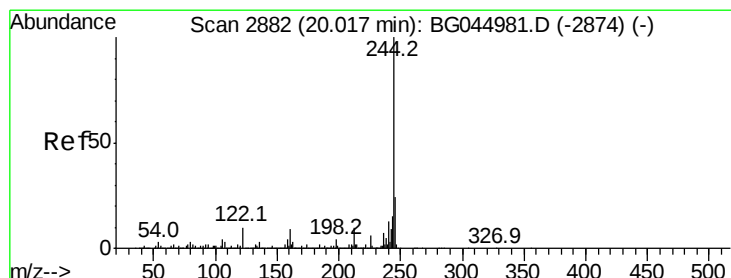
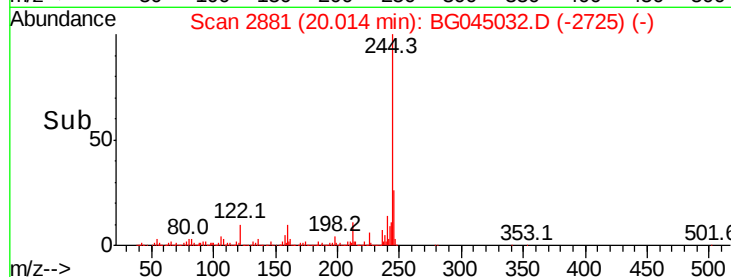
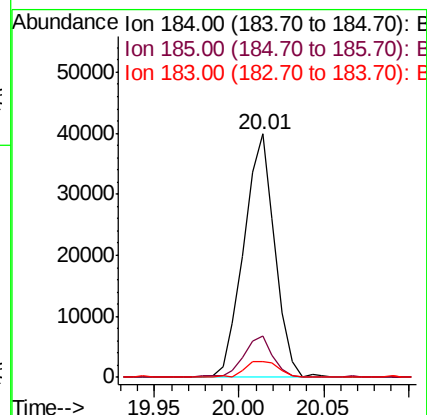
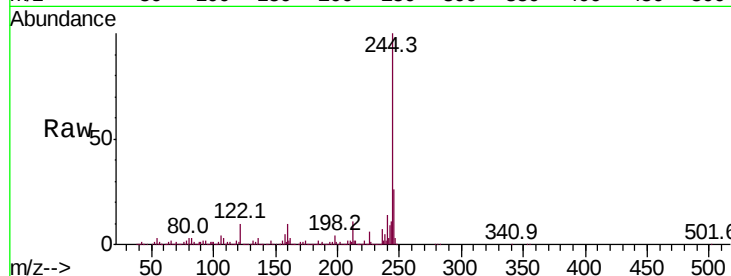
Tot Ion:184 Resp: 50643

Ion Ratio Lower Upper

184 100

185 17.2 12.6 19.0

183 6.4 11.3 16.9#



#79

Terphenyl-d14

Concen: 104.140 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045032.D

Acq: 17 Apr 2020 14:27

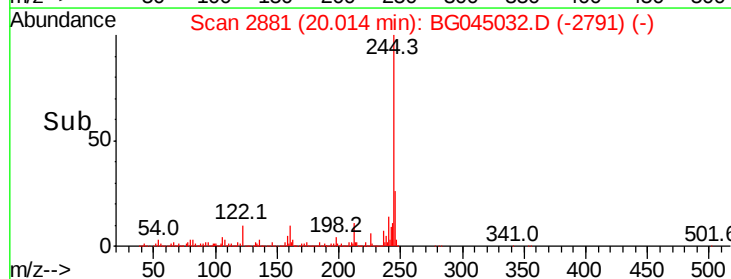
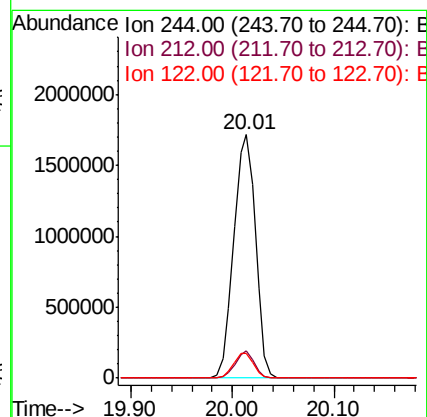
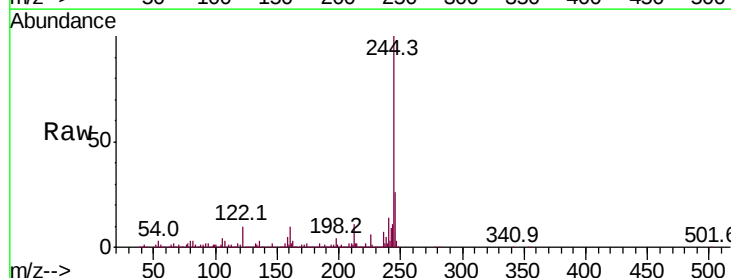
Tgt Ion:244 Resp: 2554442

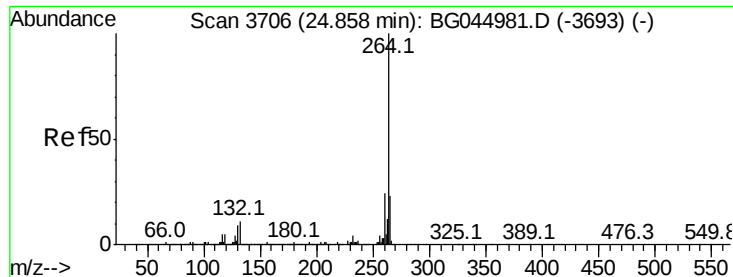
Ion Ratio Lower Upper

244 100

212 11.0 7.9 11.9

122 10.2 7.7 11.5





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.85 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BG045032.D
 Acq: 17 Apr 2020 14:27

Instrument :
 BNA_G
 ClientSampleId :
 TP-11-DA

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	20.9	19.0	28.4

