

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045035.D
 Acq On : 17 Apr 2020 16:26
 Operator : CG/JU
 Sample : L2284-20
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-16-B-SA

Quant Time: Apr 17 17:22:43 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	64991	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	274571	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	213829	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	542673	20.00	ng	0.00
76) Chrysene-d12	21.66	240	530585	20.00	ng	0.00
87) Perylene-d12	24.85	264	546331	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	556475	141.36	ng	0.00
7) Phenol-d6	7.18	99	791962	135.41	ng	0.00
23) Nitrobenzene-d5	9.18	82	583835	97.02	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	530671	160.64	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1430479	98.09	ng	0.00
79) Terphenyl-d14	20.01	244	2532783	104.04	ng	0.00

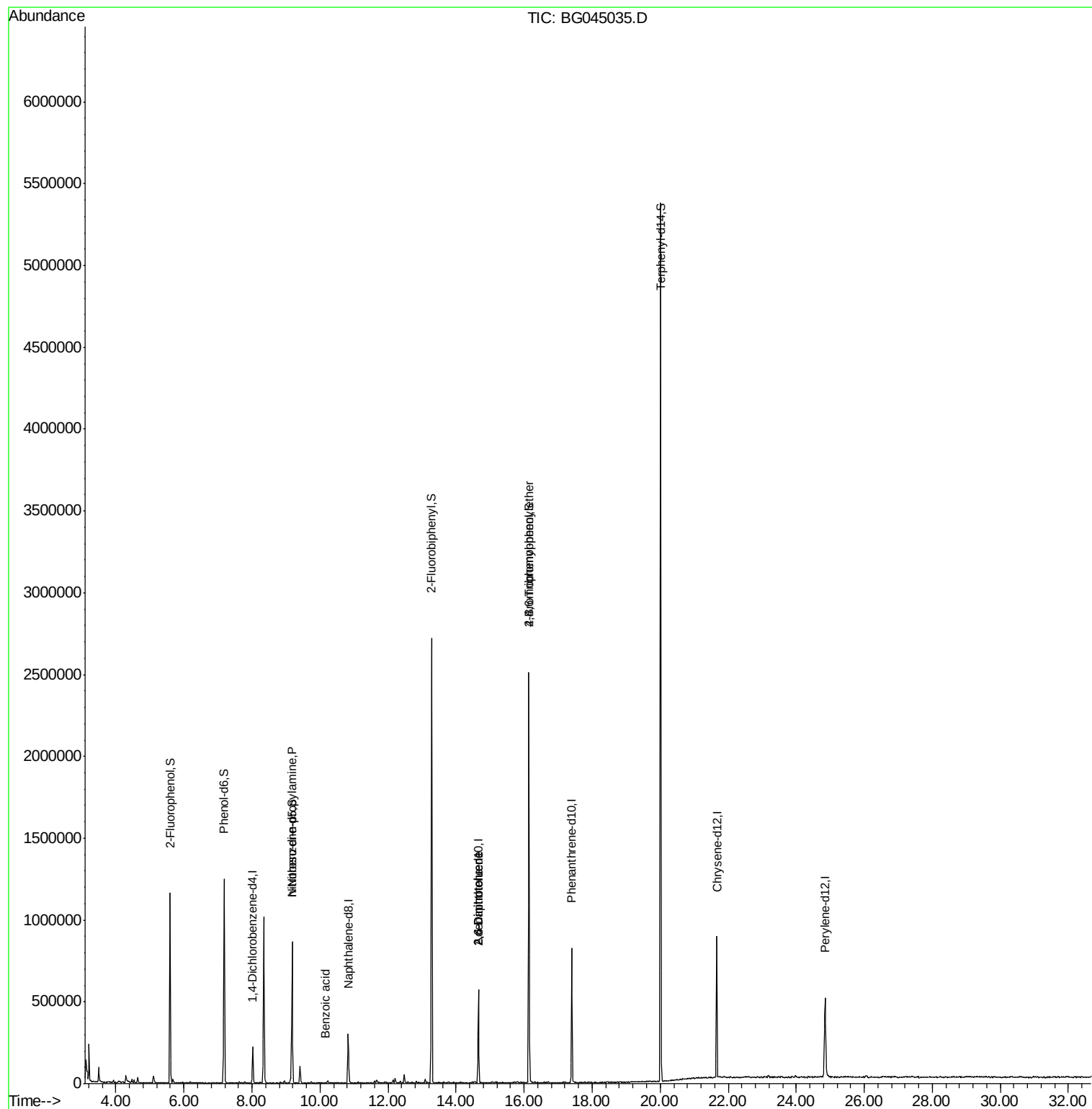
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.14	77	78	Below Cal	#	28
19) n-Nitroso-di-n-propylamine	9.18	70	78420	18.959 ng	#	83
32) Benzoic acid	10.16	122	60	6.389 ng	#	55
51) 2,6-Dinitrotoluene	14.65	165	27685	7.109 ng	#	25
57) 2,4-Dinitrotoluene	14.65	165	27685	4.865 ng	#	23
67) 4-Bromophenyl-phenylether	16.15	248	36326	5.189 ng	#	1
69) Atrazine	16.89	200	54	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	2147	Below Cal	#	73
75) Fluoranthene	19.44	202	805	Below Cal	#	62
77) Benzydine	20.01	184	50053	Below Cal	#	89

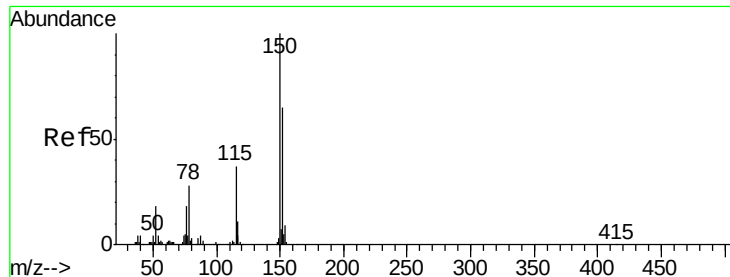
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
Data File : BG045035.D
Acq On : 17 Apr 2020 16:26
Operator : CG/JU
Sample : L2284-20
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

Quant Time: Apr 17 17:22:43 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

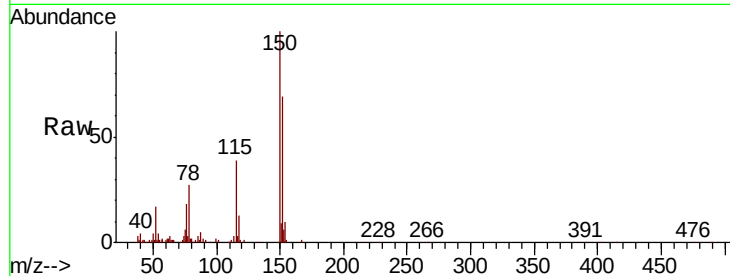




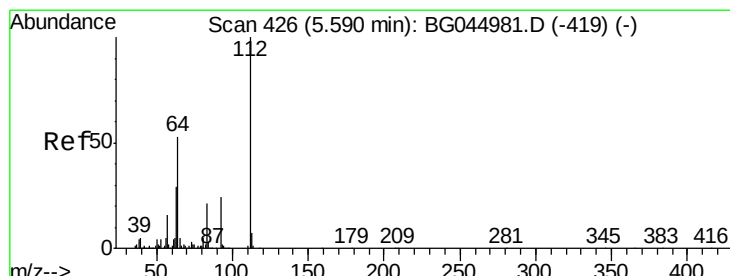
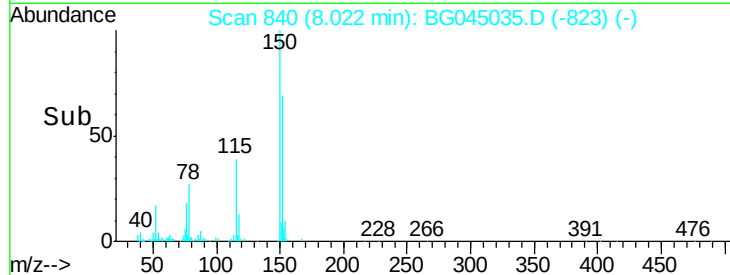
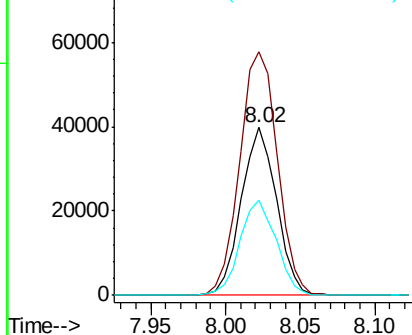
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG045035.D
 Acq: 17 Apr 2020 16:26

Instrument :
 BNA_G
 ClientSampleId :
 TP-16-B-SA

Tot Ion:152	Resp:	64991
Ion Ratio	Lower	Upper
152	100	
150	144.9	123.6 185.4
115	56.6	49.1 73.7

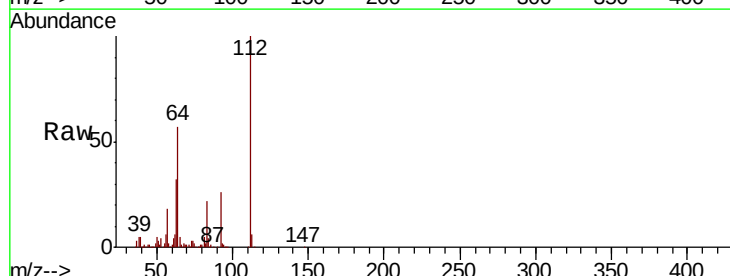


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

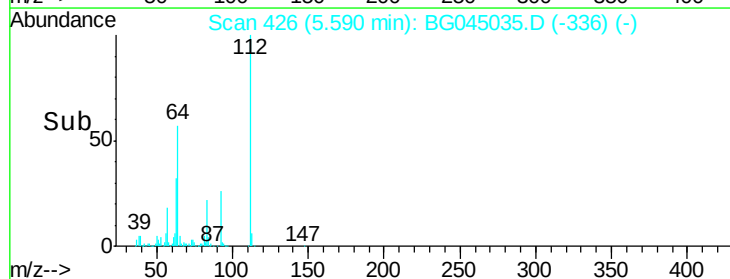
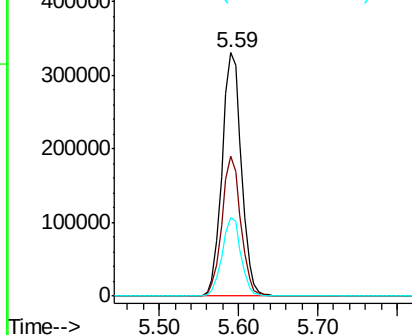


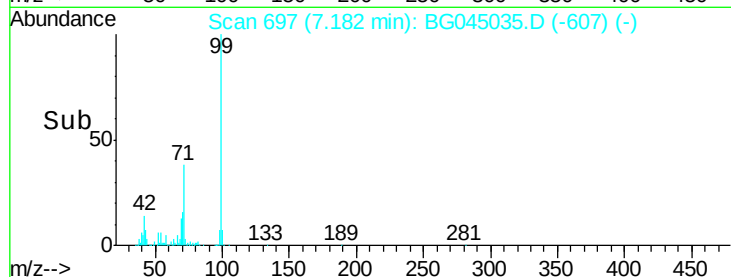
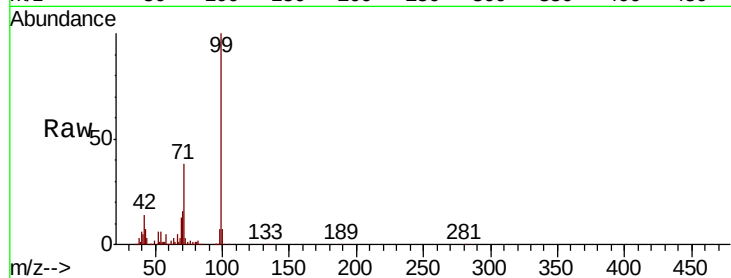
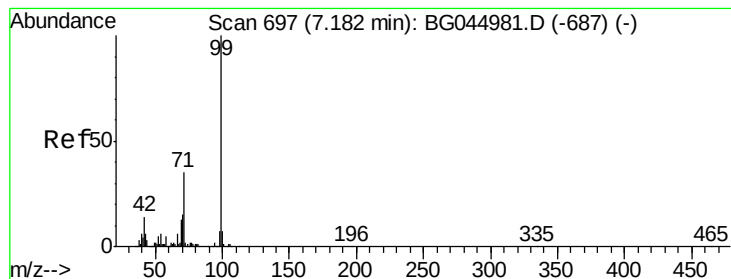
#5
 2-Fluorophenol
 Concen: 141.360 ng
 RT: 5.59 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BG045035.D
 Acq: 17 Apr 2020 16:26

Tgt Ion:112	Resp:	556475
Ion Ratio	Lower	Upper
112	100	
64	57.4	42.4 63.6
63	32.1	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: 135.406 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

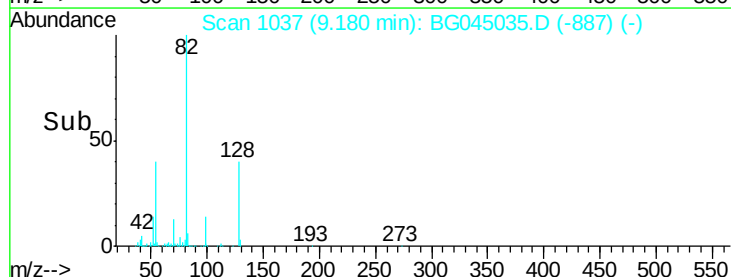
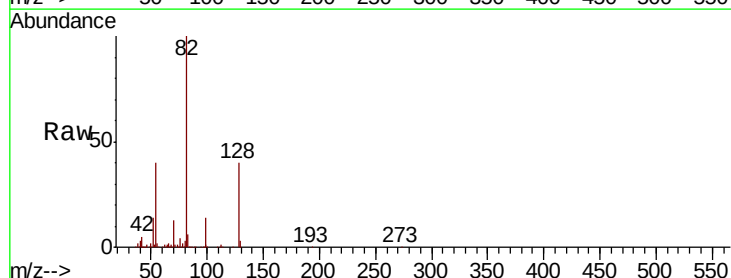
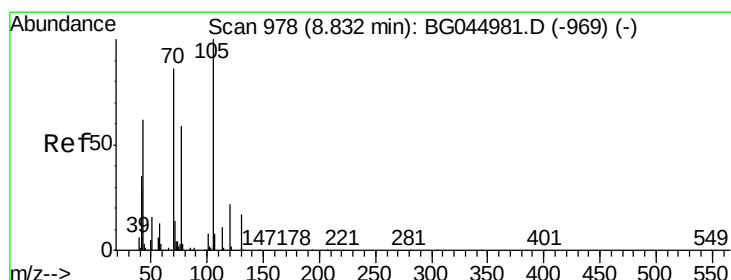
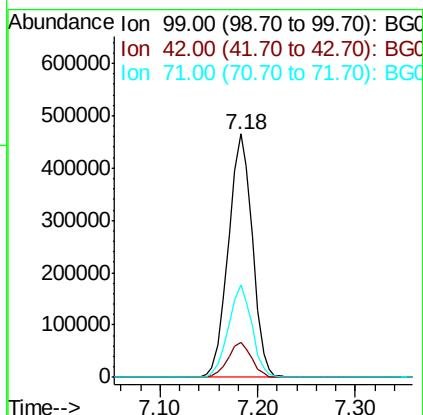
Tot Ion: 99 Resp: 791962

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 37.9 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 18.959 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

Tgt Ion: 70 Resp: 78420

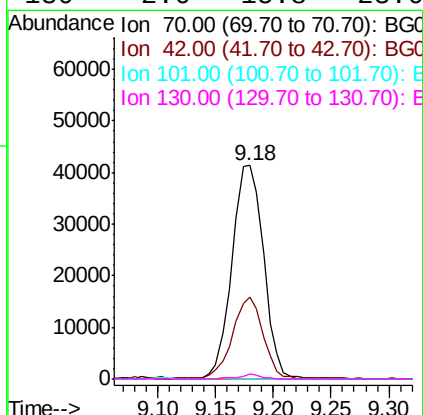
Ion Ratio Lower Upper

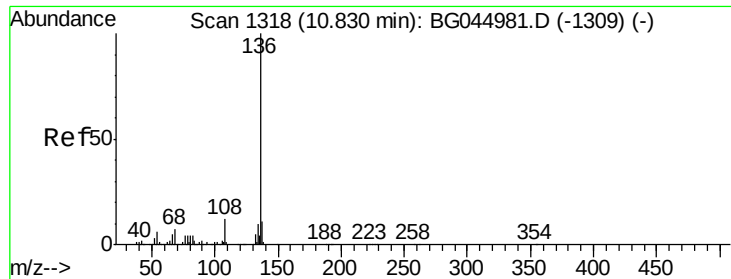
70 100

42 38.6 33.3 49.9

101 0.0 7.8 11.8#

130 2.6 15.8 23.6#

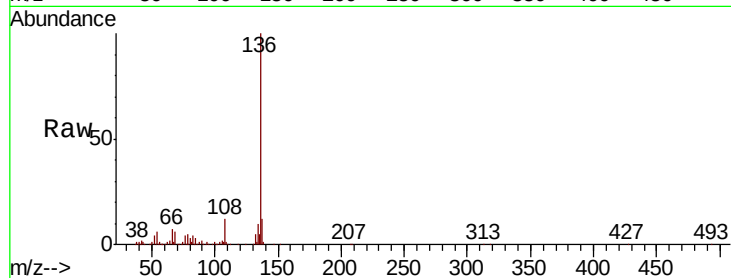




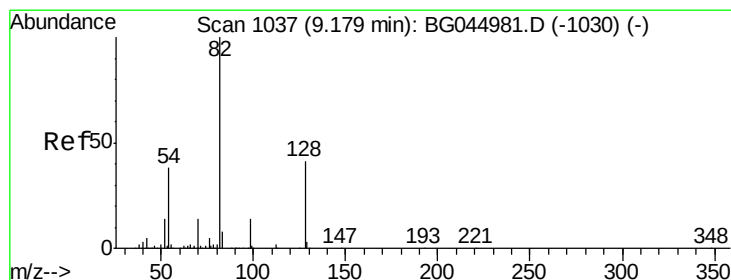
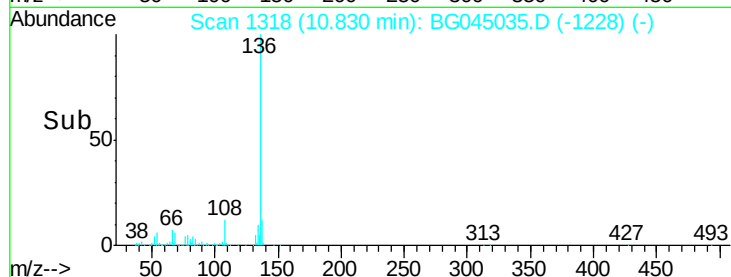
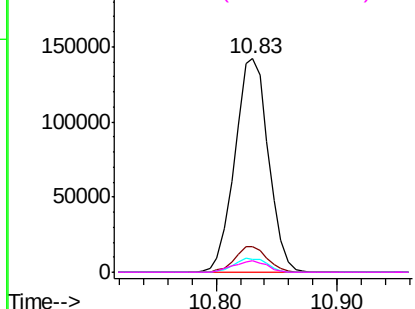
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045035.D
Acq: 17 Apr 2020 16:26

Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

Tot Ion:136	Resp:	274571
Ion Ratio	Lower	Upper
136 100		
137 11.8	8.6	13.0
54 5.7	4.8	7.2
68 5.6	5.2	7.8

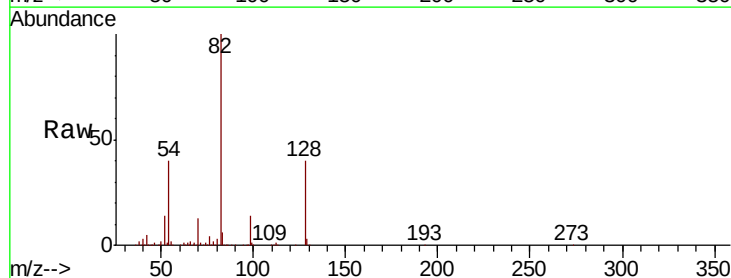


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

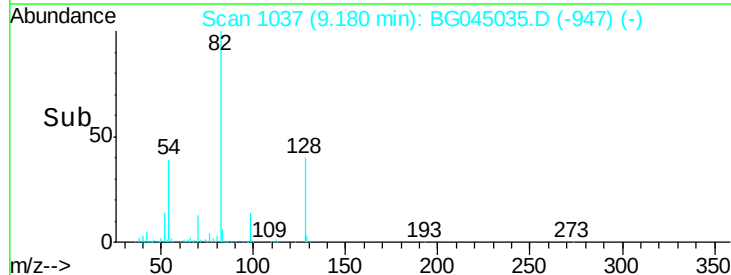
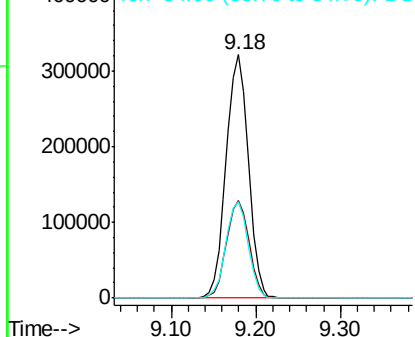


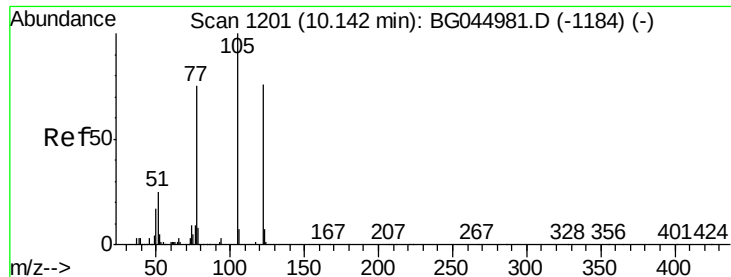
#23
Nitrobenzene-d5
Concen: 97.023 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045035.D
Acq: 17 Apr 2020 16:26

Tgt Ion: 82	Resp: 583835
Ion Ratio	Lower Upper
82 100	
128 40.4	33.0 49.4
54 39.5	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BG
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BG

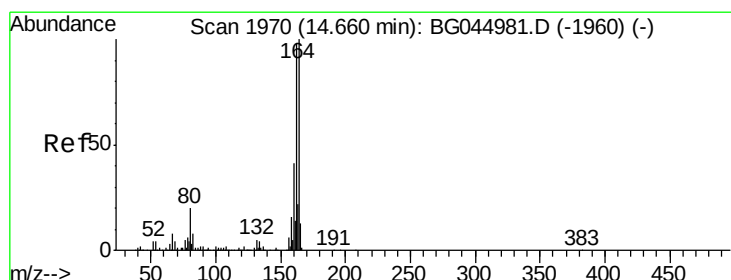
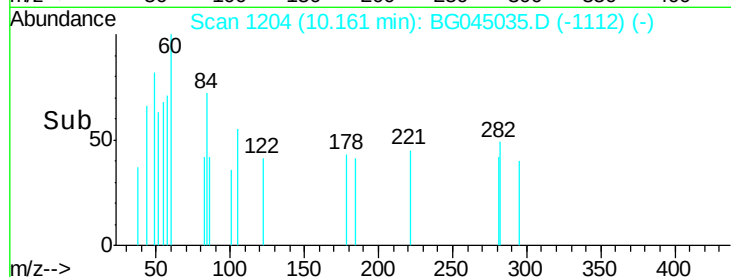
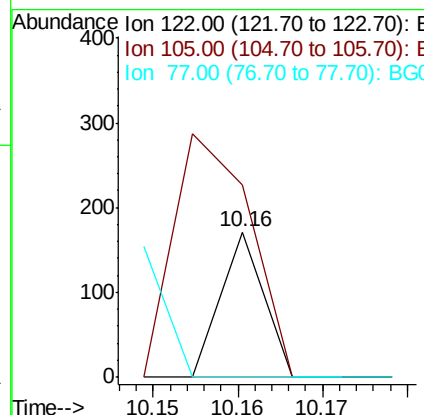
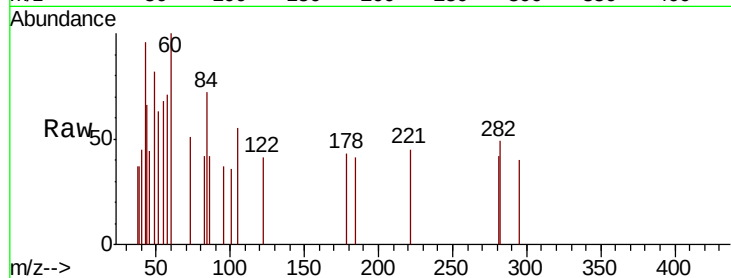




#32
Benzoic acid
Concen: 6.389 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BG045035.D
Acq: 17 Apr 2020 16:26

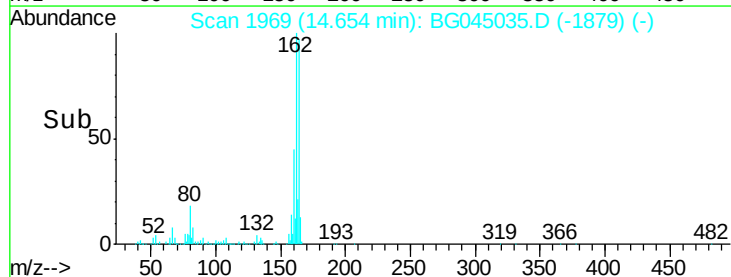
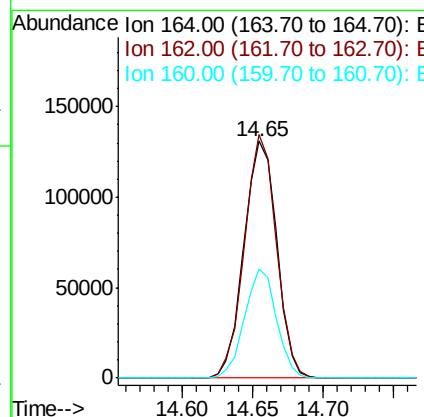
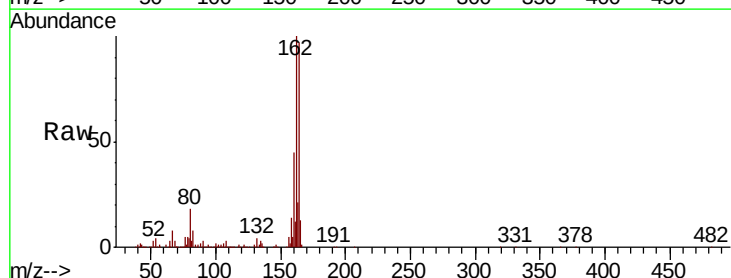
Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

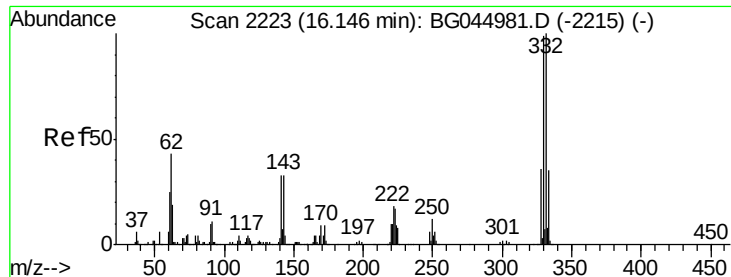
Tot Ion:122 Resp: 60
Ion Ratio Lower Upper
122 100
105 132.7 108.4 148.4
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045035.D
Acq: 17 Apr 2020 16:26

Tgt Ion:164 Resp: 213829
Ion Ratio Lower Upper
164 100
162 102.8 78.7 118.1
160 46.3 32.8 49.2

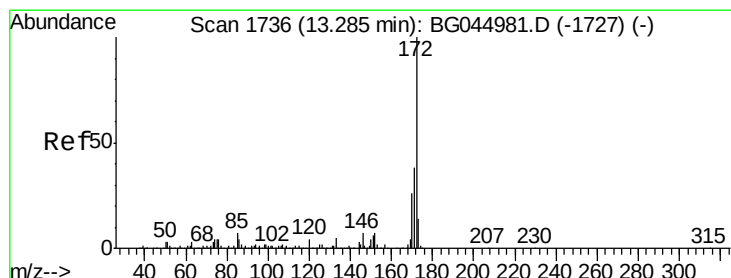
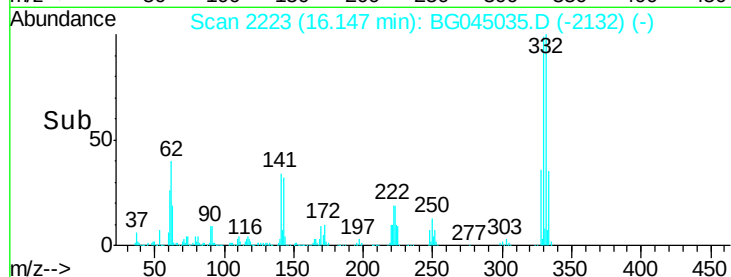
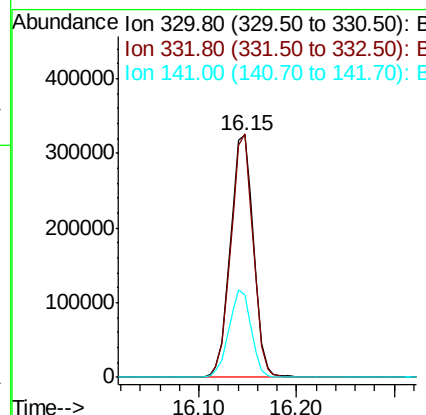
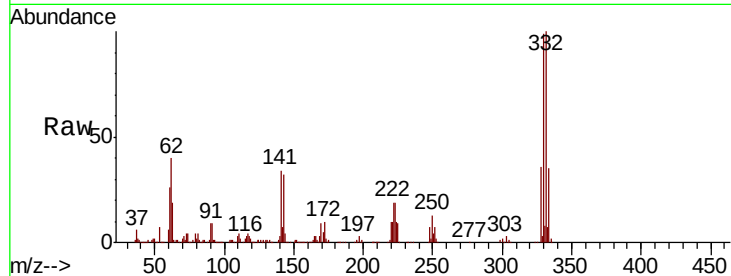




#42
 2,4,6-Tribromophenol
 Concen: 160.645 ng
 RT: 16.15 min Scan# 2223
 Delta R.T. 0.00 min
 Lab File: BG045035.D
 Acq: 17 Apr 2020 16:26

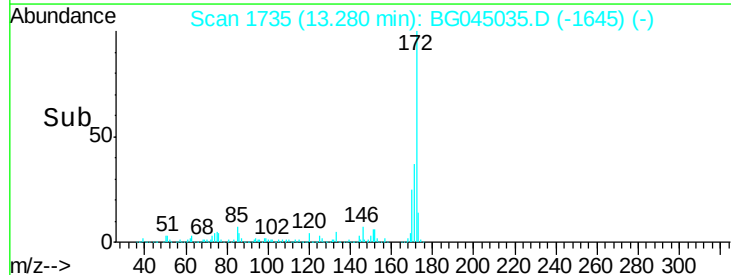
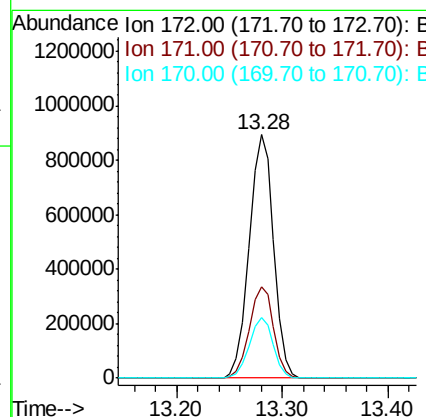
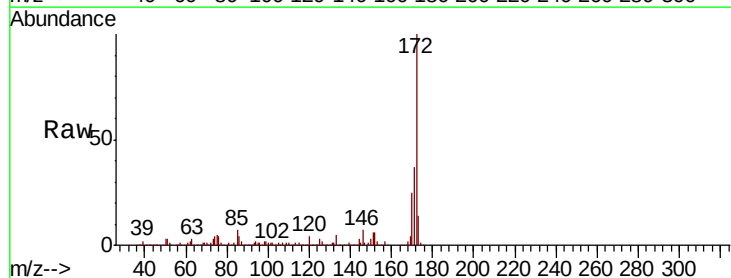
Instrument :
 BNA_G
 ClientSampleId :
 TP-16-B-SA

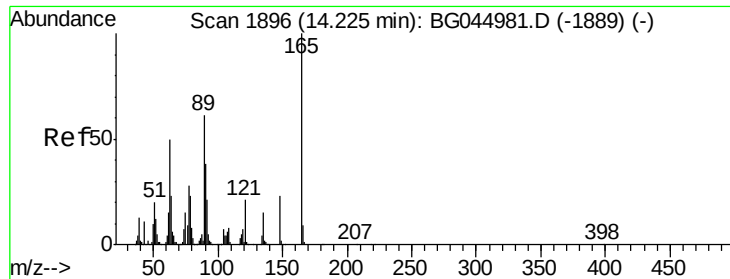
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	35.1	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 98.094 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045035.D
 Acq: 17 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.6	46.0
170	25.1	20.5	30.7

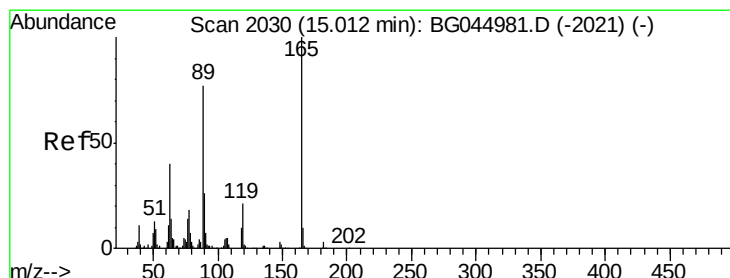
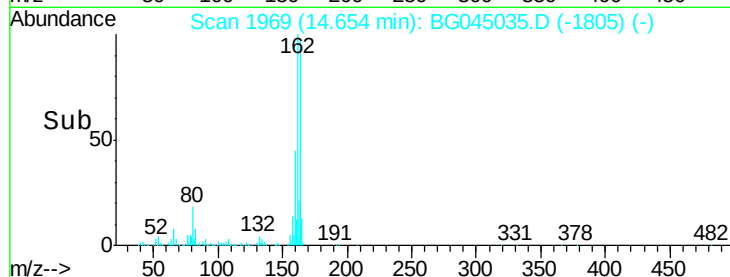
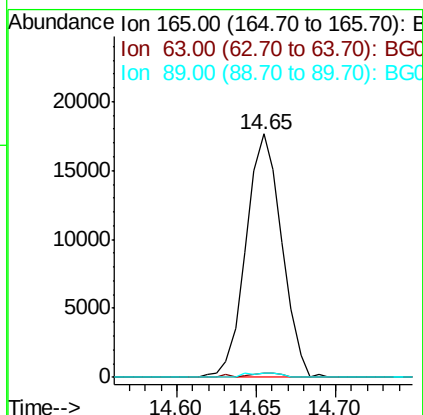
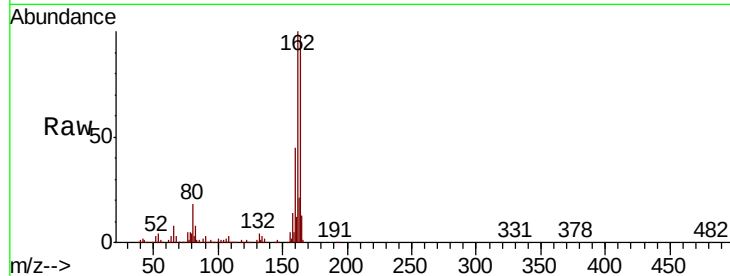




#51
 2,6-Dinitrotoluene
 Concen: 7.109 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG045035.D
 Acq: 17 Apr 2020 16:26

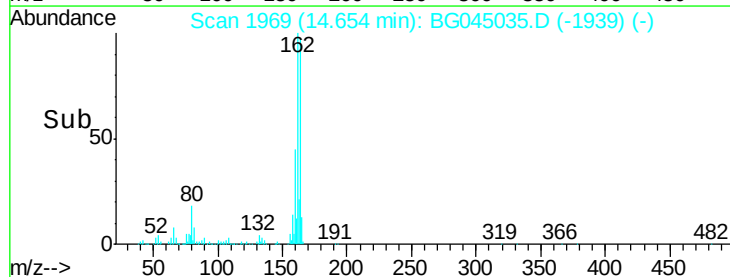
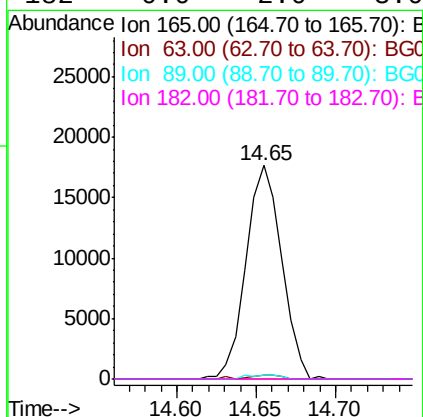
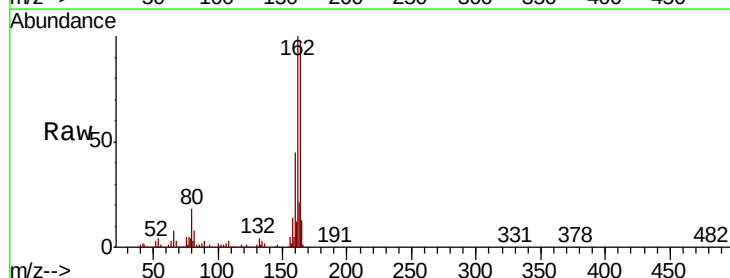
Instrument :
 BNA_G
 ClientSampleId :
 TP-16-B-SA

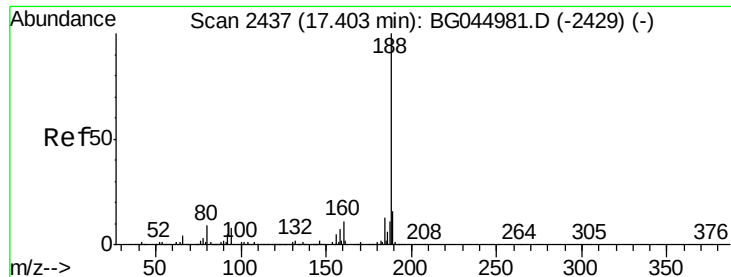
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	40.4	60.6#
89	1.6	49.1	73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.865 ng
 RT: 14.65 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG045035.D
 Acq: 17 Apr 2020 16:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.2	48.2#
89	1.6	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: BG045035.D

Acq: 17 Apr 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

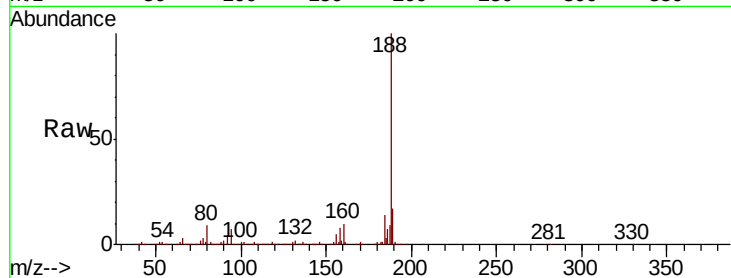
Tot Ion:188 Resp: 542673

Ion Ratio Lower Upper

188 100

94 7.1 6.2 9.4

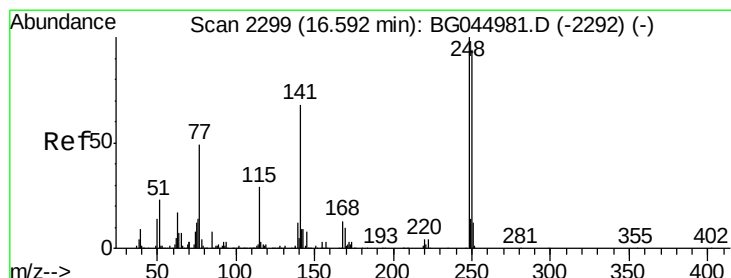
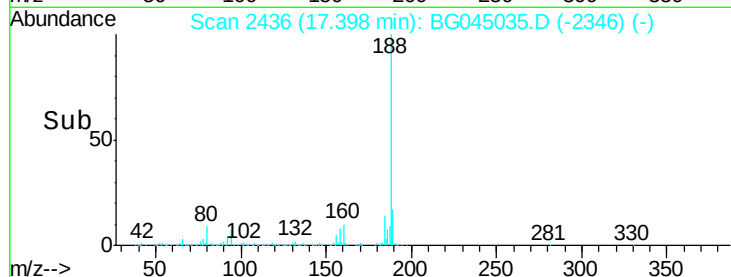
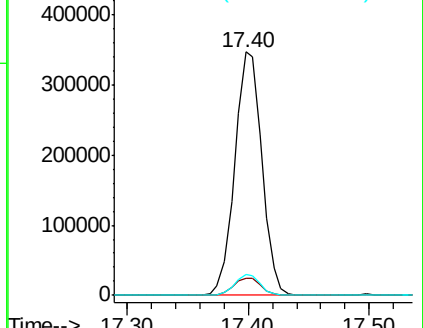
80 8.6 7.0 10.6



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: 5.189 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.44 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

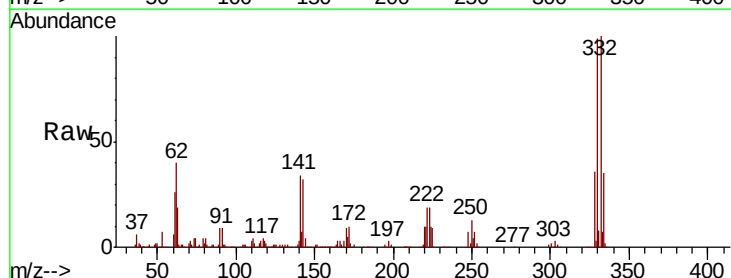
Tgt Ion:248 Resp: 36326

Ion Ratio Lower Upper

248 100

250 191.1 75.4 113.2#

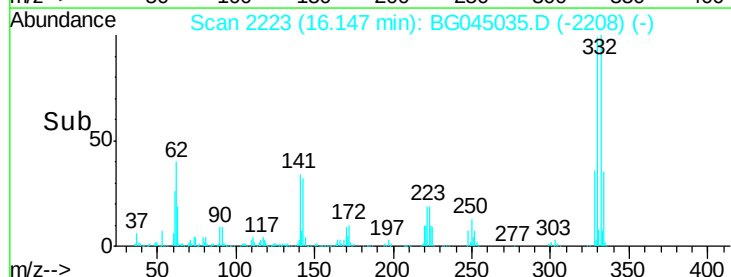
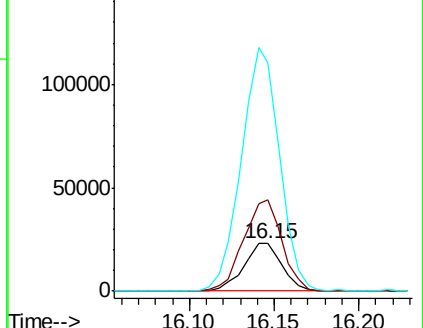
141 480.6 54.4 81.6#

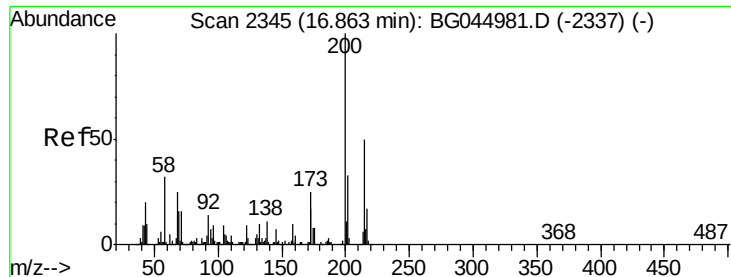


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.89 min Scan# 2349

Delta R.T. 0.03 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

Instrument :

BNA_G

ClientSampled :

TP-16-B-SA

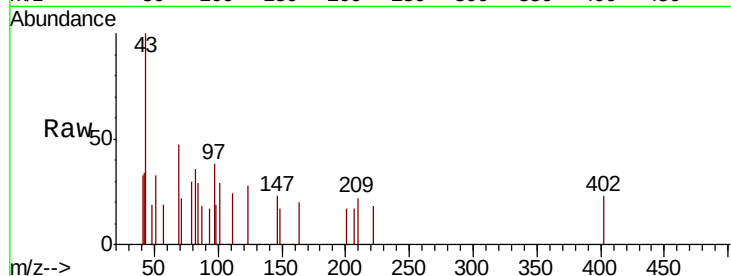
Tot Ion:200 Resp: 54

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

215 0.0 30.0 70.0#

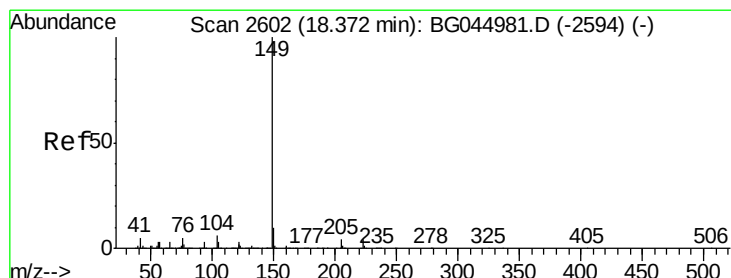
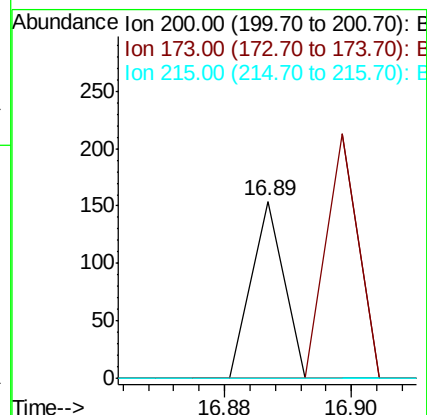
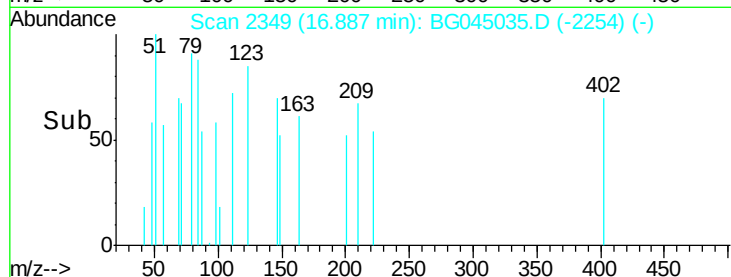


Abundance Ion 200.00 (199.70 to 200.70): E

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: 18.37 min Scan# 2601

Delta R.T. -0.00 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

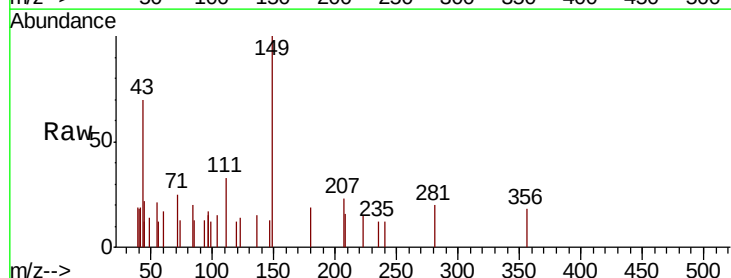
Tgt Ion:149 Resp: 2147

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

104 15.2 4.8 7.2#

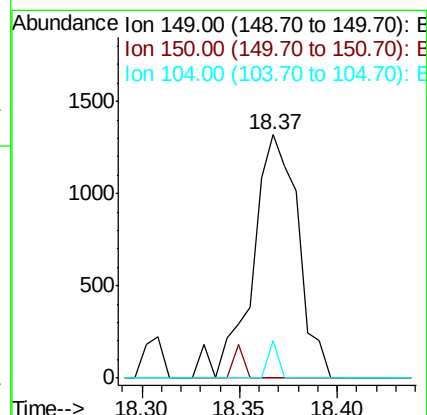
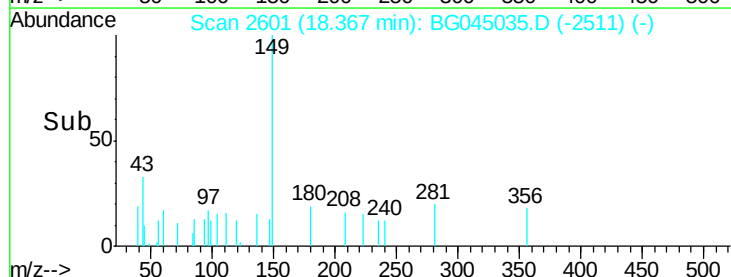


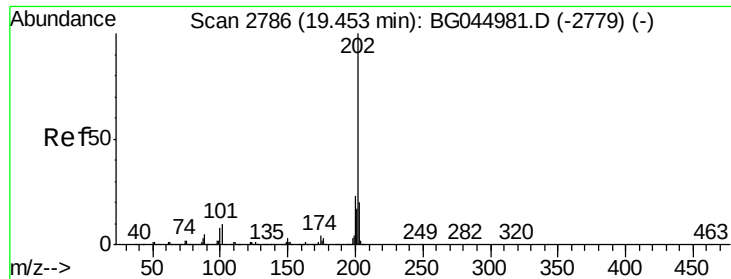
Abundance Ion 149.00 (148.70 to 149.70): E

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: 19.44 min Scan# 2784

Delta R.T. -0.01 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

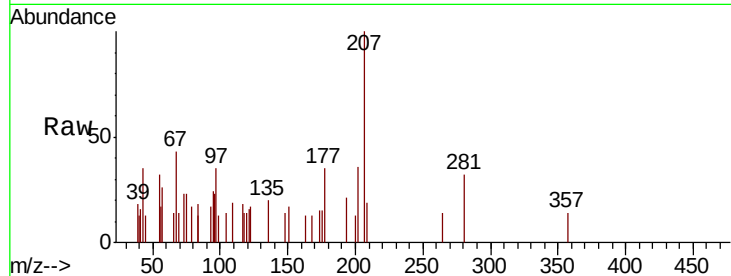
Tot Ion:202 Resp: 805

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

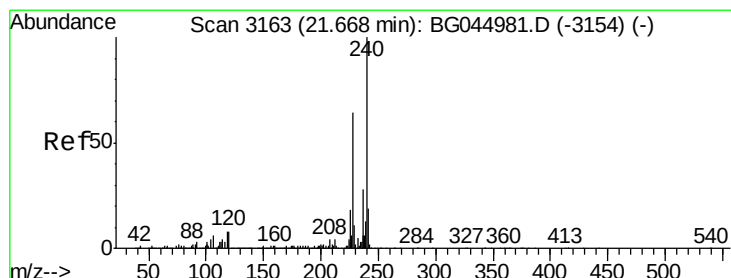
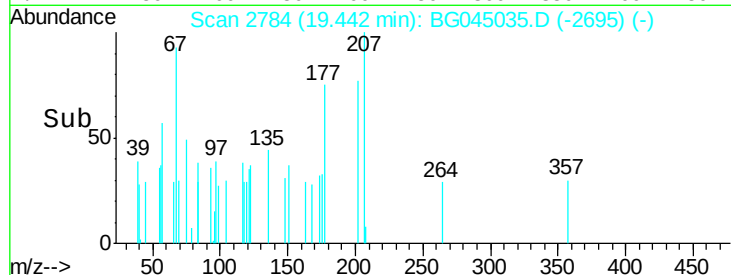
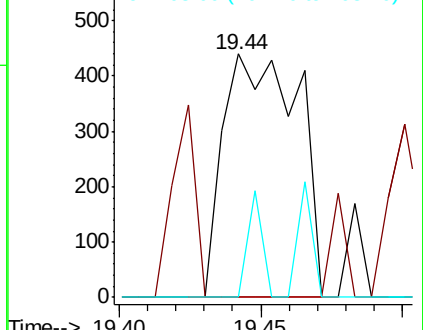
203 0.0 0.0 39.7



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

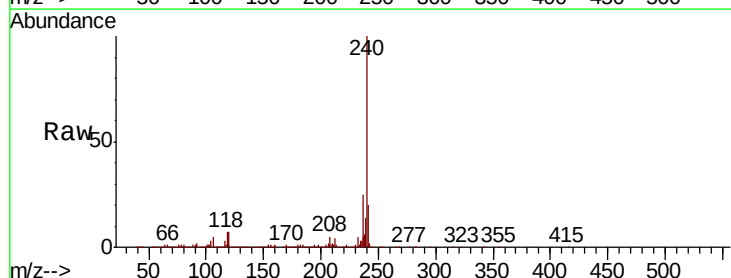
Tgt Ion:240 Resp: 530585

Ion Ratio Lower Upper

240 100

120 6.7 6.6 10.0

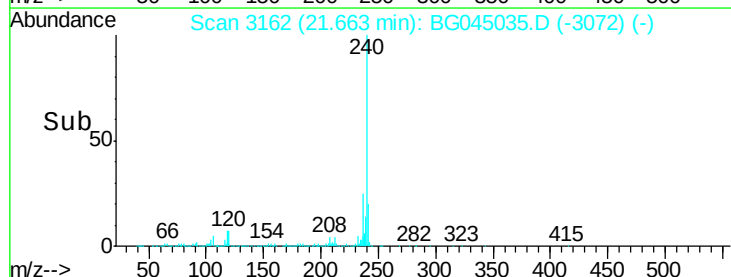
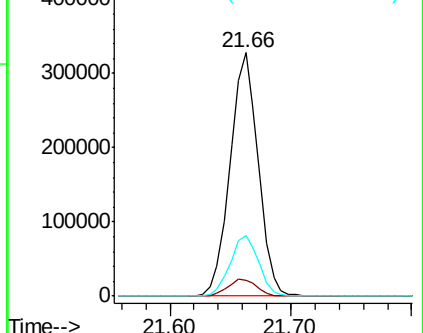
236 24.8 22.2 33.2

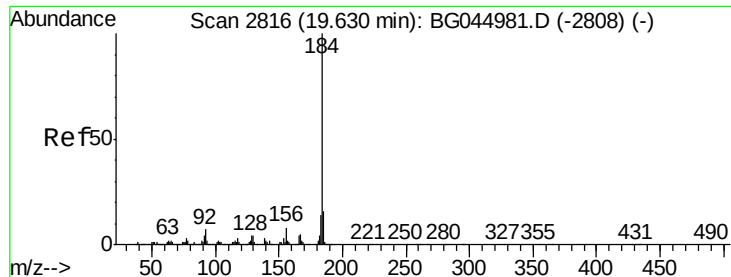


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.39 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

Instrument :

BNA_G

ClientSampleId :

TP-16-B-SA

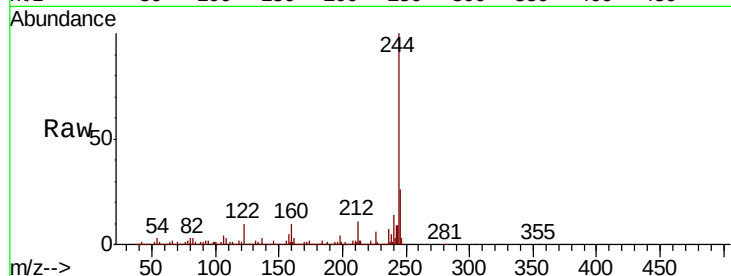
Tot Ion:184 Resp: 50053

Ion Ratio Lower Upper

184 100

185 15.1 12.6 19.0

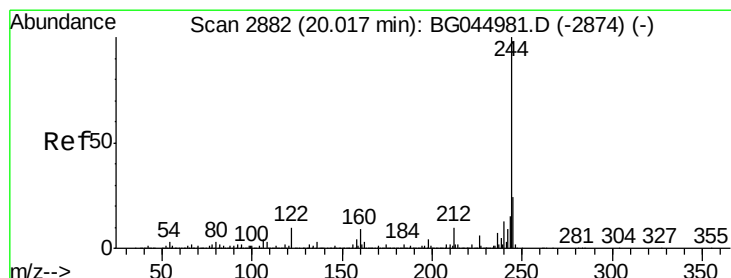
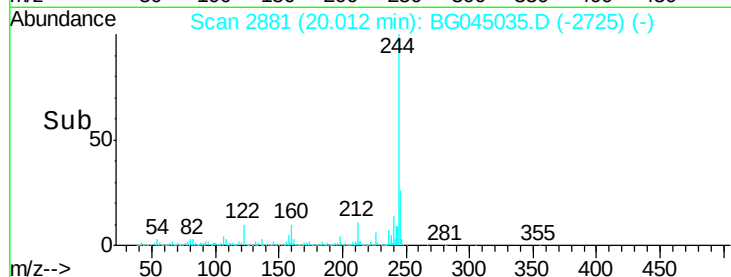
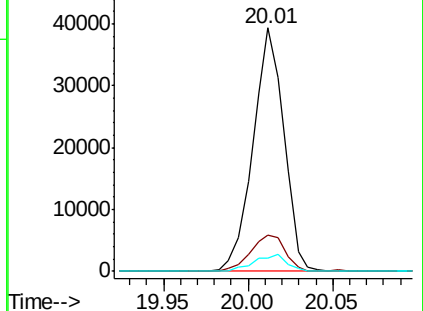
183 5.6 11.3 16.9#



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: 104.043 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045035.D

Acq: 17 Apr 2020 16:26

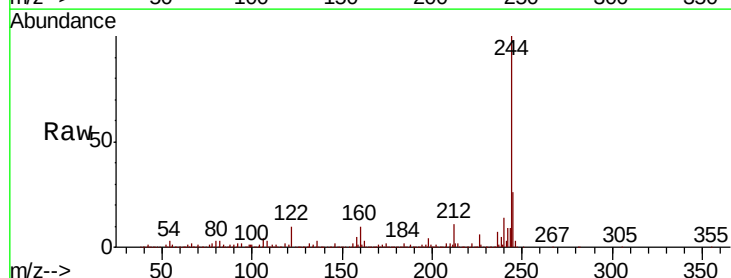
Tgt Ion:244 Resp: 2532783

Ion Ratio Lower Upper

244 100

212 10.6 7.9 11.9

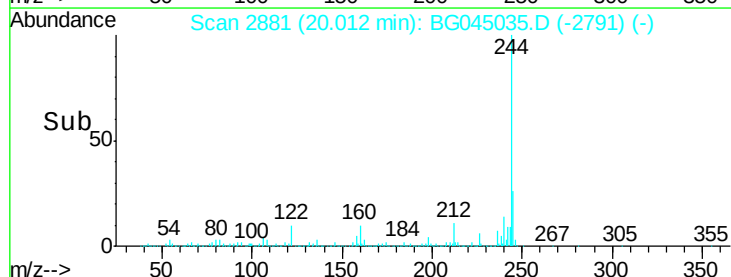
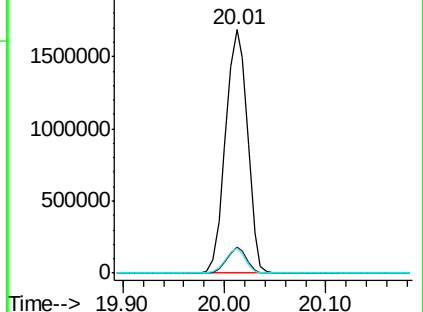
122 9.9 7.7 11.5

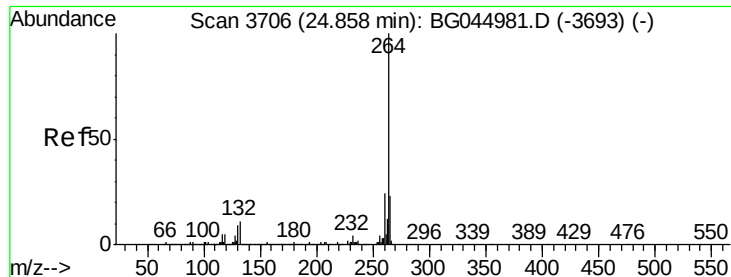


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

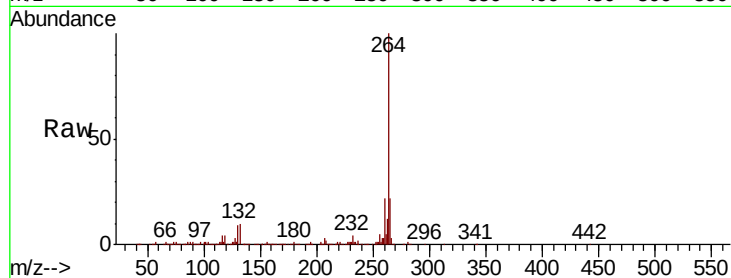




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.85 min Scan# 3704
Delta R.T. -0.01 min
Lab File: BG045035.D
Acq: 17 Apr 2020 16:26

Instrument :
BNA_G
ClientSampleId :
TP-16-B-SA

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	19.2	28.8
265	22.5	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

