

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041520\
 Data File : BG045005.D
 Acq On : 16 Apr 2020 6:13
 Operator : CG/JU
 Sample : L2281-14
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-37-38-45-46

Quant Time: Apr 16 06:49:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 15 17:57:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	62728	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	265804	20.00	ng	0.00
39) Acenaphthene-d10	14.66	164	213638	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	551352	20.00	ng	0.00
76) Chrysene-d12	21.66	240	534161	20.00	ng	0.00
87) Perylene-d12	24.85	264	577782	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	508118	133.73	ng	0.00
7) Phenol-d6	7.18	99	679915	120.44	ng	0.00
23) Nitrobenzene-d5	9.18	82	575033	98.71	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	525401	159.19	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1416498	97.22	ng	0.00
79) Terphenyl-d14	20.01	244	2603038	106.21	ng	0.00

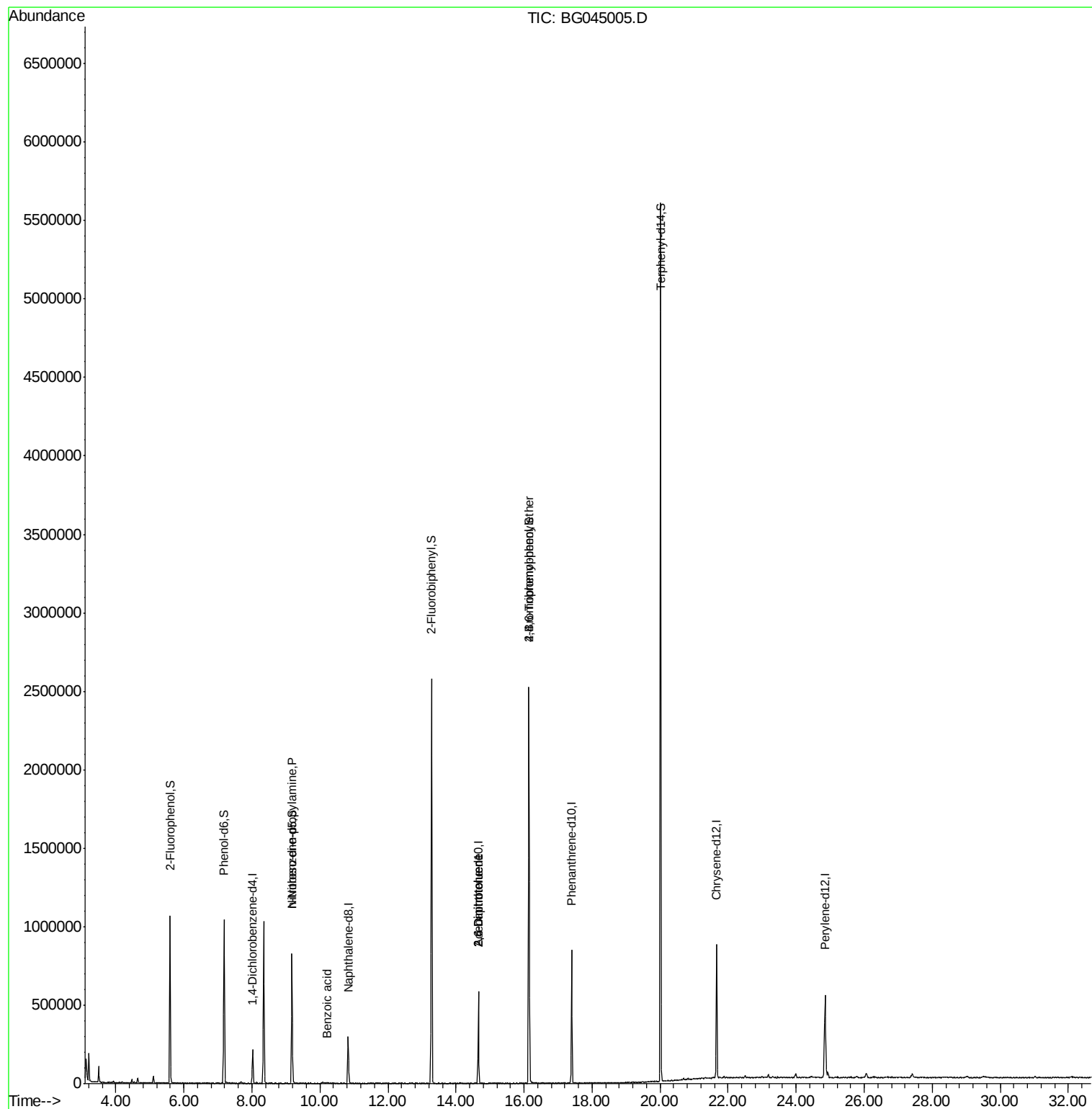
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	1614	Below Cal	#	51
19) n-Nitroso-di-n-propylamine	9.18	70	76211	19.090	ng	# 80
32) Benzoic acid	10.21	122	696	6.557	ng	# 58
51) 2,6-Dinitrotoluene	14.66	165	27117	6.969	ng	# 23
57) 2,4-Dinitrotoluene	14.66	165	27117	4.769	ng	# 21
67) 4-Bromophenyl-phenylether	16.14	248	36388	5.116	ng	# 1
69) Atrazine	17.02	200	61	Below Cal	#	35
74) Di-n-butylphthalate	18.36	149	976	Below Cal	#	78
75) Fluoranthene	19.44	202	586	Below Cal	#	62
77) Benzydine	20.01	184	53754	Below Cal	#	91

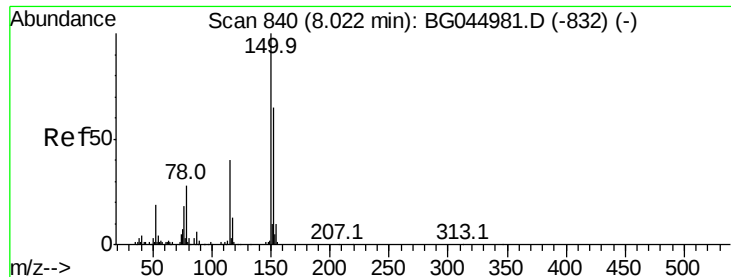
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

Instrument :

BNA_G

ClientSampleId :

TP-37-38-45-46

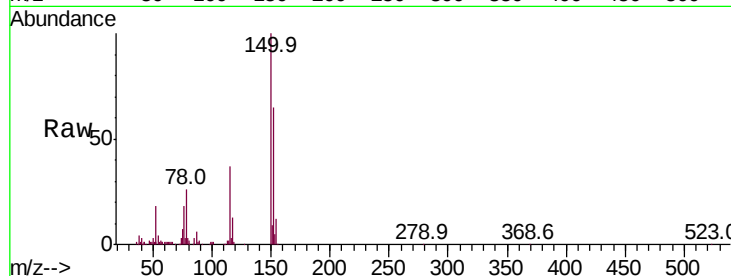
Tot Ion:152 Resp: 62728

Ion Ratio Lower Upper

152 100

150 153.0 123.6 185.4

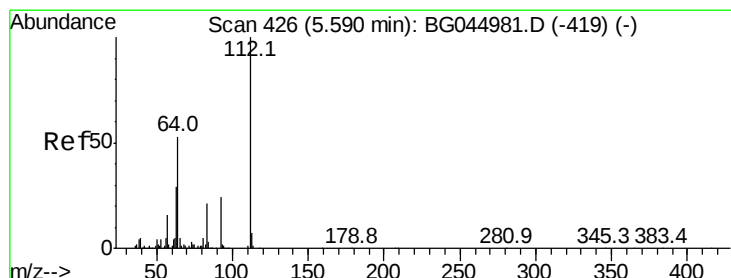
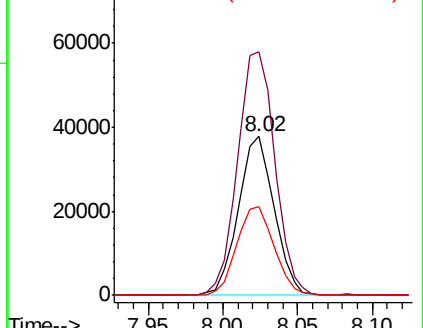
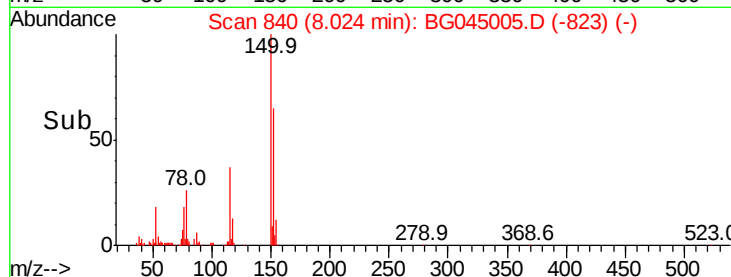
115 56.1 49.1 73.7



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: 133.732 ng

RT: 5.59 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

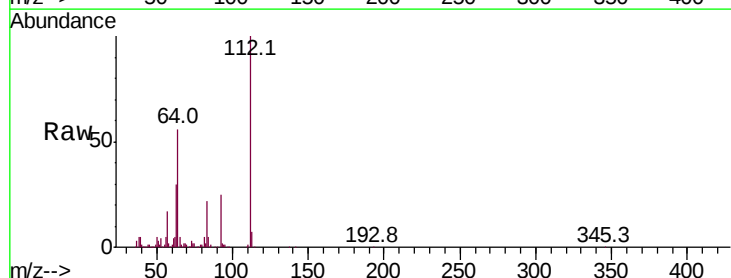
Tgt Ion:112 Resp: 508118

Ion Ratio Lower Upper

112 100

64 55.7 42.4 63.6

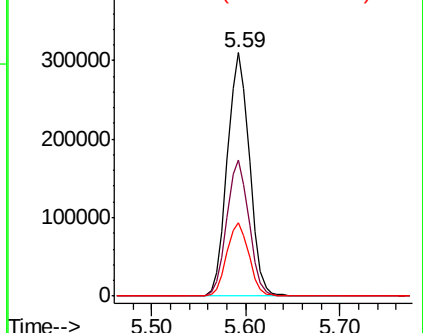
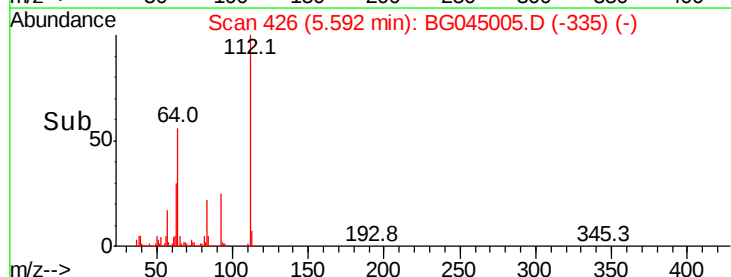
63 30.3 23.1 34.7

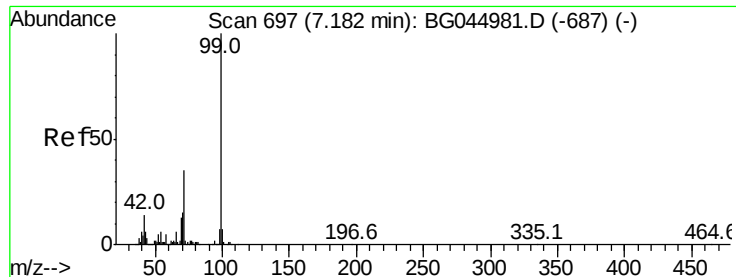


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 120.443 ng

RT: 7.18 min Scan# 697

Delta R.T. 0.00 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

Instrument :

BNA_G

ClientSampleId :

TP-37-38-45-46

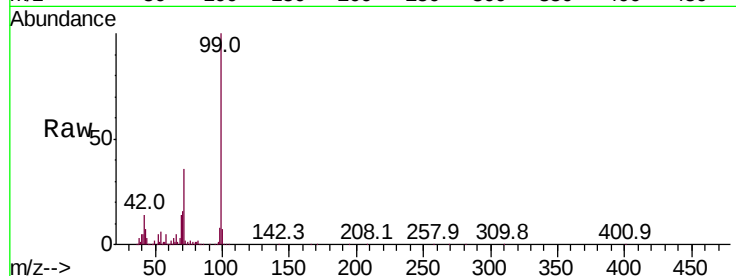
Tot Ion: 99 Resp: 679915

Ion Ratio Lower Upper

99 100

42 13.5 11.3 16.9

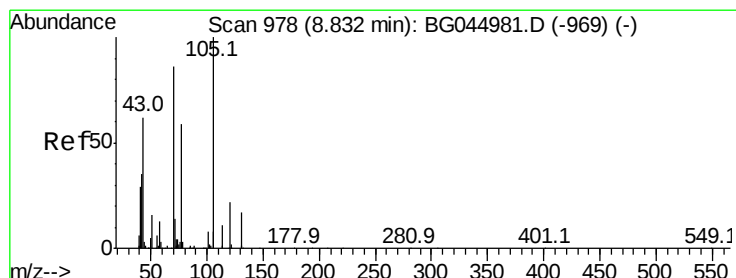
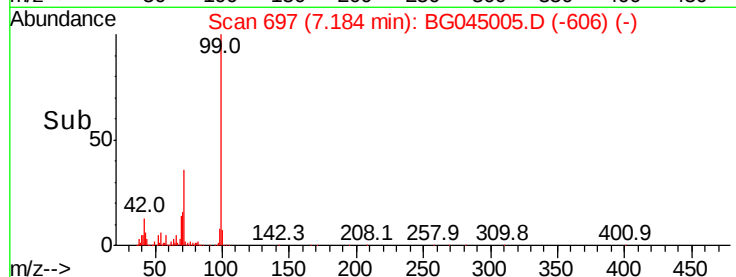
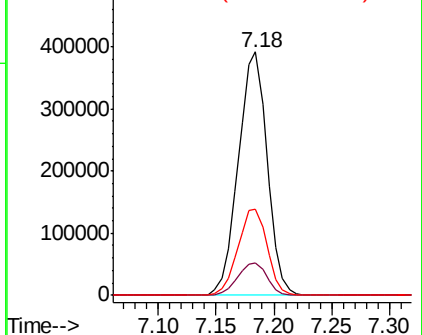
71 35.6 28.3 42.5



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: 19.090 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.34 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

Tgt Ion: 70 Resp: 76211

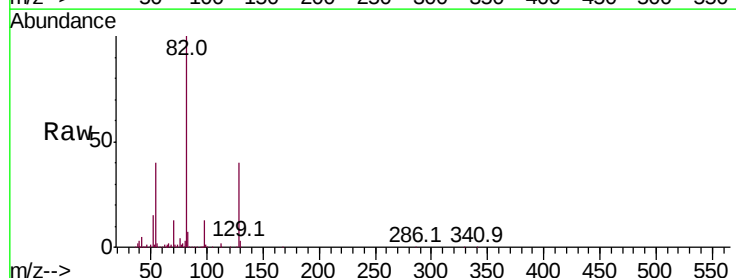
Ion Ratio Lower Upper

70 100

42 35.6 33.3 49.9

101 0.0 7.8 11.8#

130 2.1 15.8 23.6#

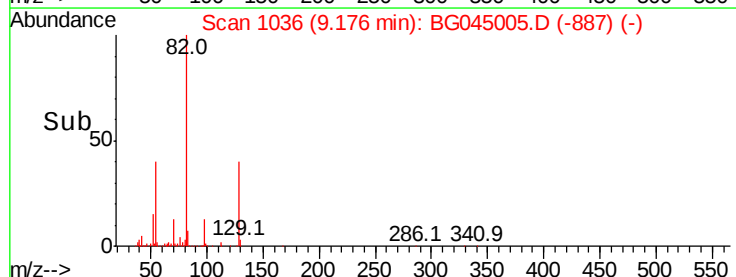
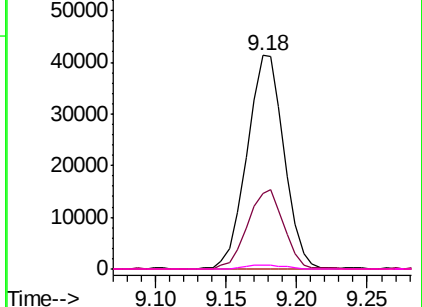


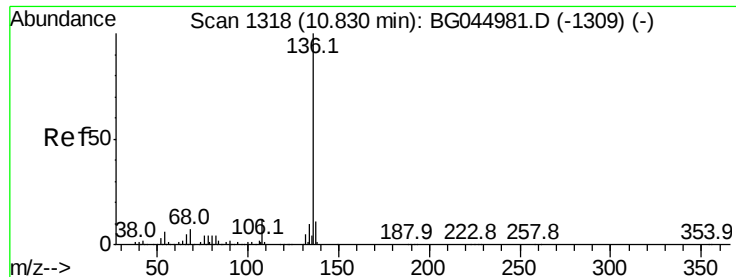
Abundance Ion 70.00 (69.70 to 70.70): BGC

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

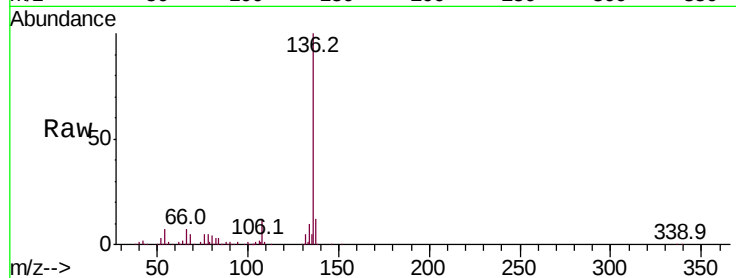




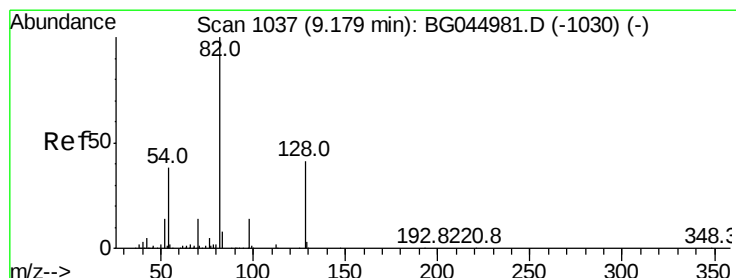
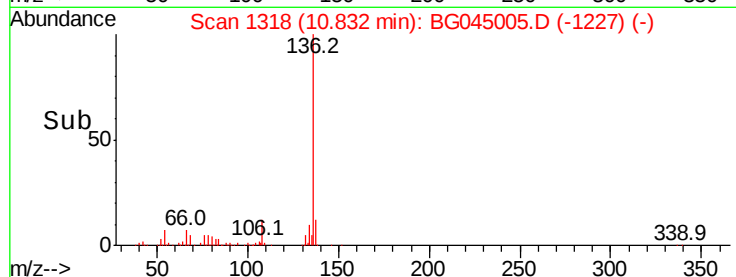
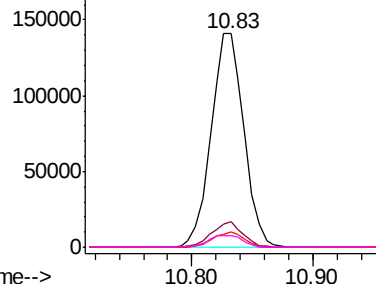
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BG045005.D
Acq: 16 Apr 2020 6:13

Instrument :
BNA_G
ClientSampleId :
TP-37-38-45-46

Tot Ion:136	Resp:	265804
Ion Ratio	Lower	Upper
136 100		
137 12.1	8.6	13.0
54 7.2	4.8	7.2#
68 5.2	5.2	7.8

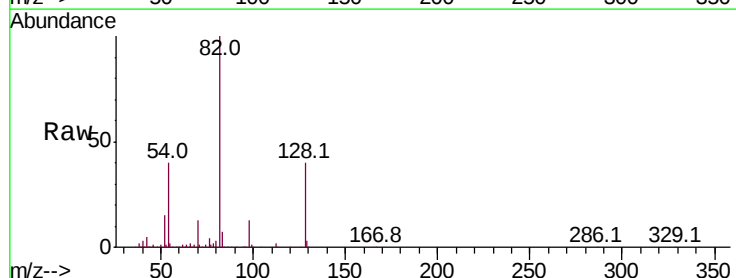


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

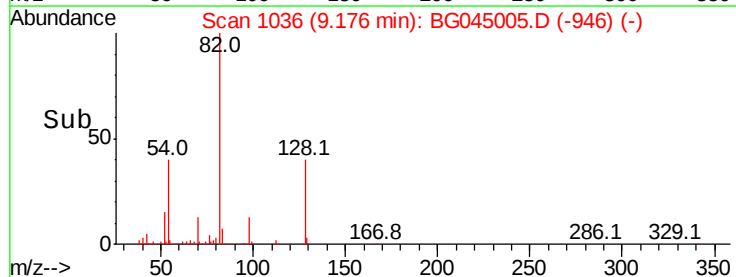
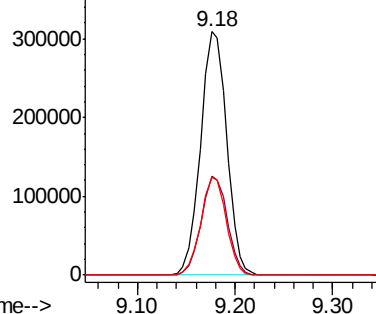


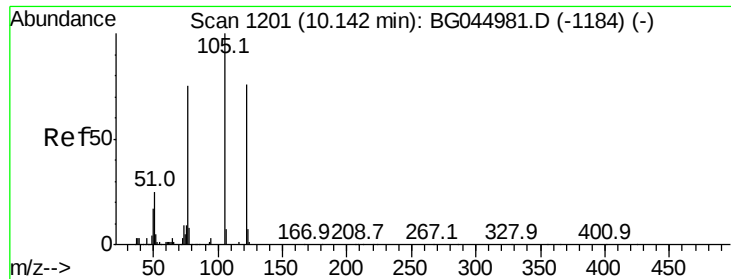
#23
Nitrobenzene-d5
Concen: 98.712 ng
RT: 9.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BG045005.D
Acq: 16 Apr 2020 6:13

Tgt Ion: 82	Resp:	575033
Ion Ratio	Lower	Upper
82 100		
128 40.4	33.0	49.4
54 40.1	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

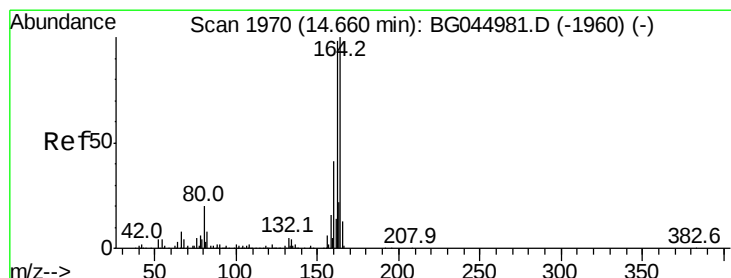
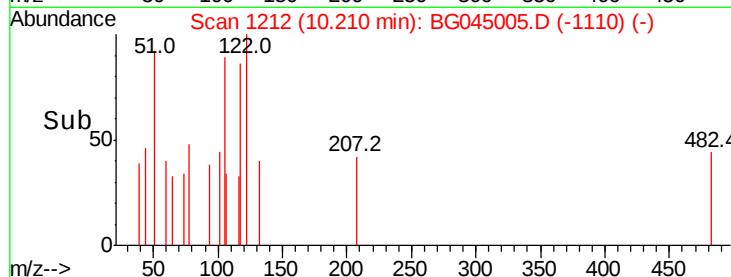
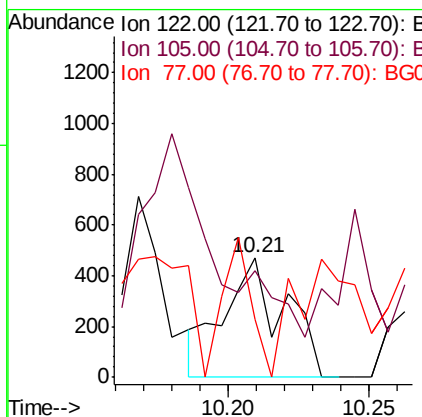
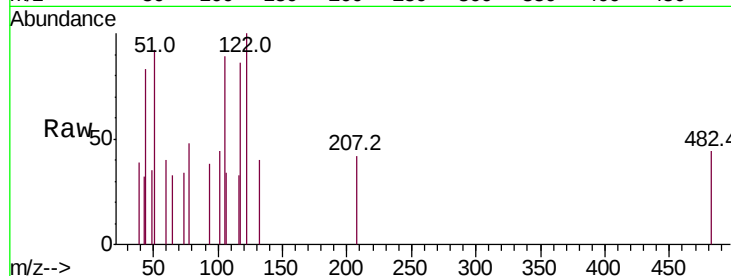




#32
Benzoic acid
Concen: 6.557 ng
RT: 10.21 min Scan# 1212
Delta R.T. 0.07 min
Lab File: BG045005.D
Acq: 16 Apr 2020 6:13

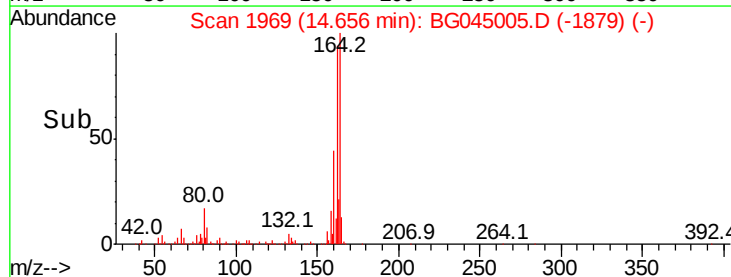
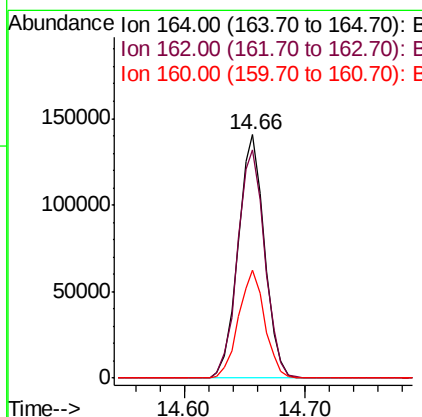
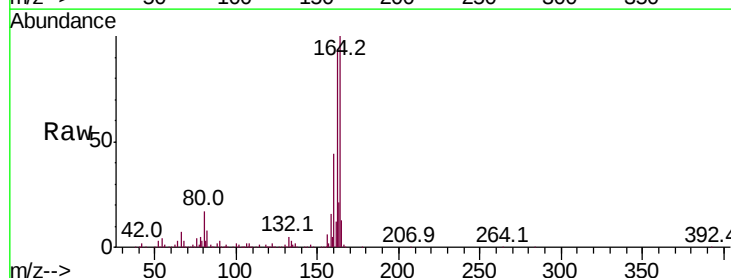
Instrument :
BNA_G
ClientSampleId :
TP-37-38-45-46

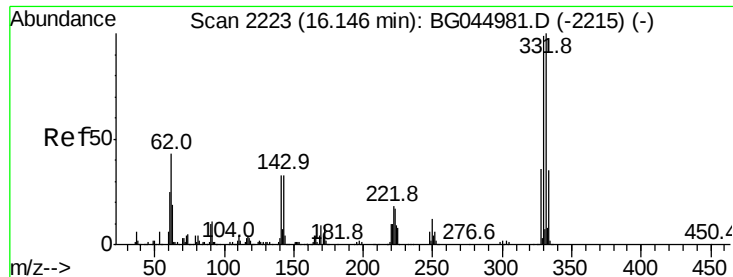
Tot Ion:122 Resp: 696
Ion Ratio Lower Upper
122 100
105 88.6 108.4 148.4#
77 48.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.66 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045005.D
Acq: 16 Apr 2020 6:13

Tgt Ion:164 Resp: 213638
Ion Ratio Lower Upper
164 100
162 93.9 78.7 118.1
160 44.5 32.8 49.2

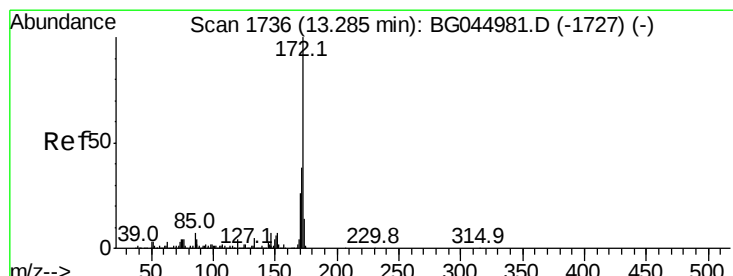
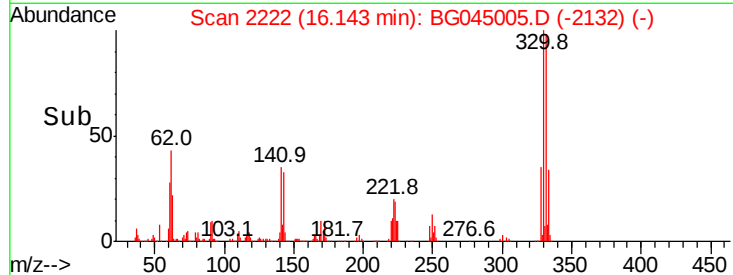
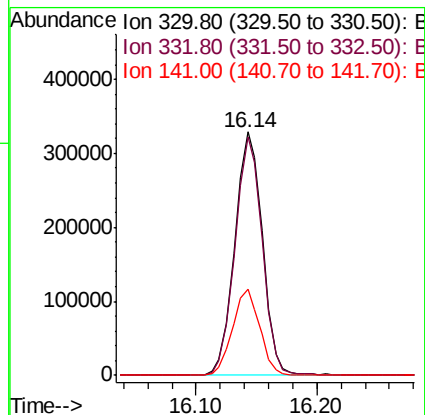
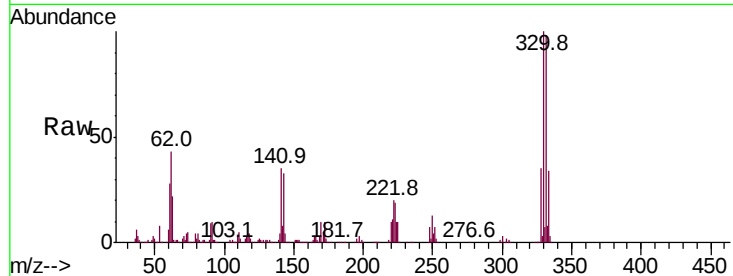




#42
 2,4,6-Tribromophenol
 Concen: 159.192 ng
 RT: 16.14 min Scan# 2222
 Delta R.T. -0.00 min
 Lab File: BG045005.D
 Acq: 16 Apr 2020 6:13

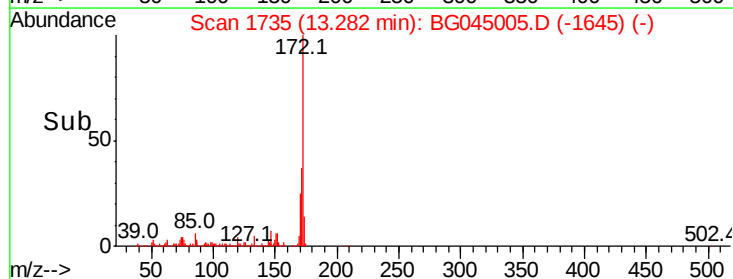
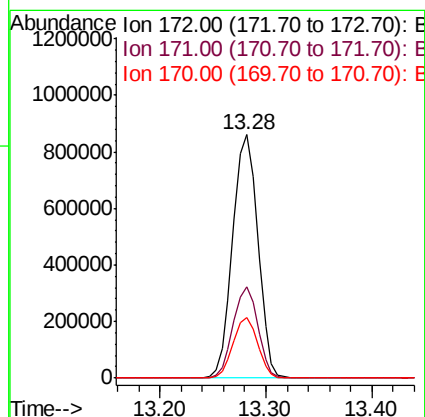
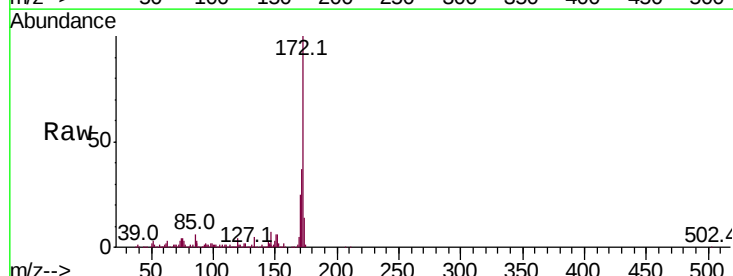
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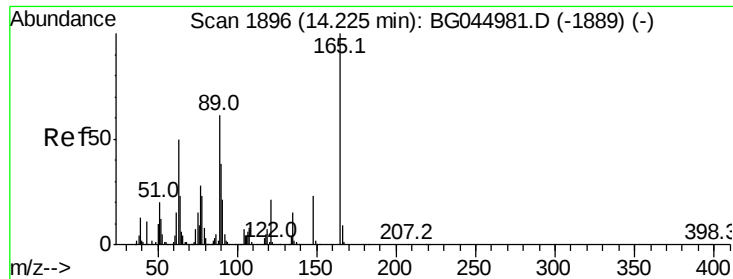
Tot Ion:330 Resp: 525401
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.1 118.7
 141 34.9 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 97.222 ng
 RT: 13.28 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: BG045005.D
 Acq: 16 Apr 2020 6:13

Tgt Ion:172 Resp: 1416498
 Ion Ratio Lower Upper
 172 100
 171 37.4 30.6 46.0
 170 24.8 20.5 30.7

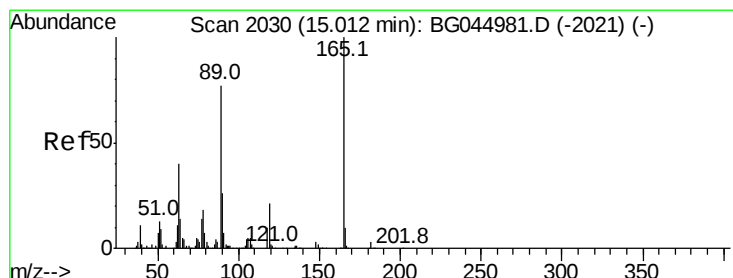
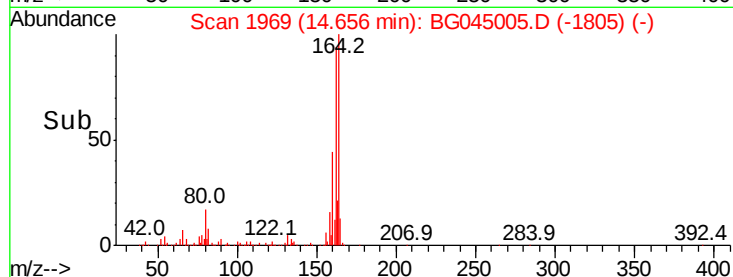
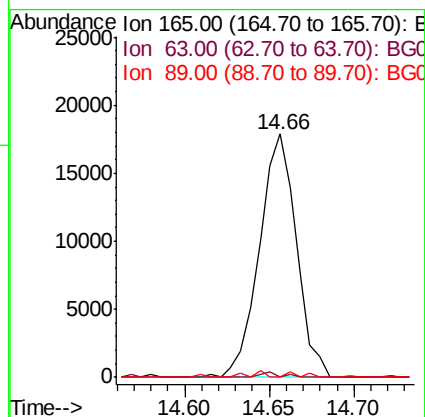
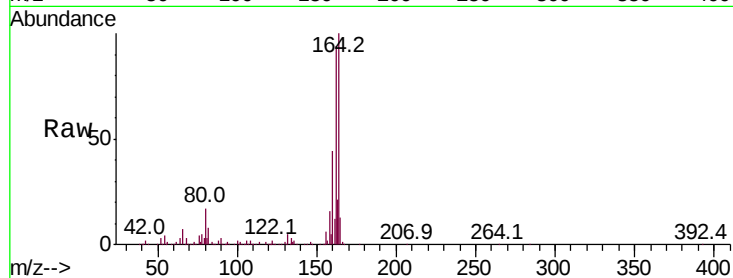




#51
 2,6-Dinitrotoluene
 Concen: 6.969 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. 0.43 min
 Lab File: BG045005.D
 Acq: 16 Apr 2020 6:13

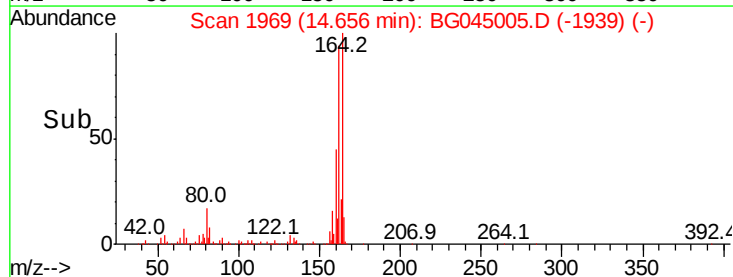
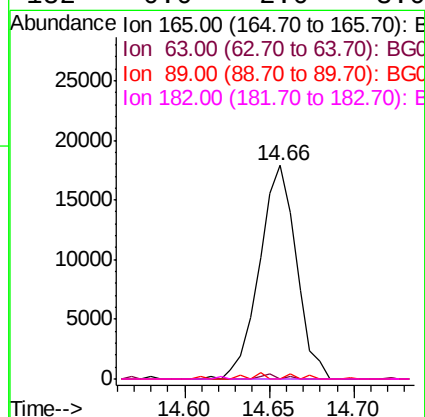
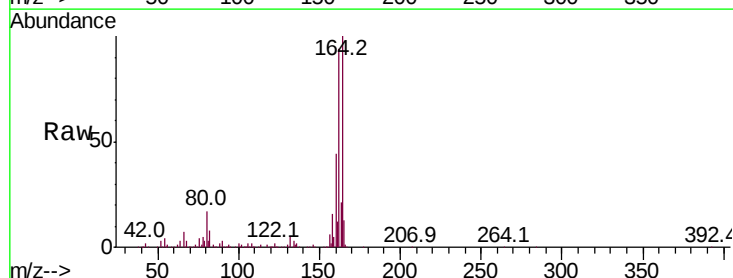
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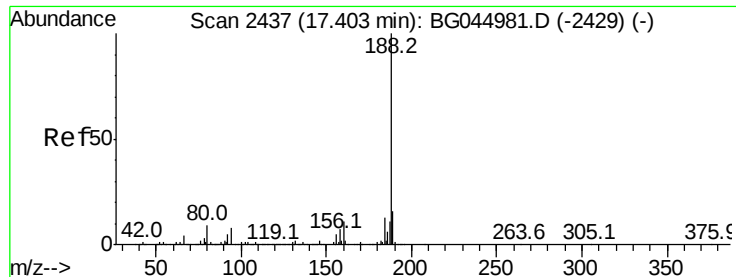
Tot Ion:165 Resp: 27117
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.4 60.6#
 89 0.0 49.1 73.7#



#57
 2,4-Dinitrotoluene
 Concen: 4.769 ng
 RT: 14.66 min Scan# 1969
 Delta R.T. -0.36 min
 Lab File: BG045005.D
 Acq: 16 Apr 2020 6:13

Tgt Ion:165 Resp: 27117
 Ion Ratio Lower Upper
 165 100
 63 0.0 32.2 48.2#
 89 0.0 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: BG045005.D

Acq: 16 Apr 2020 6:13

Instrument :

BNA_G

ClientSampleId :

TP-37-38-45-46

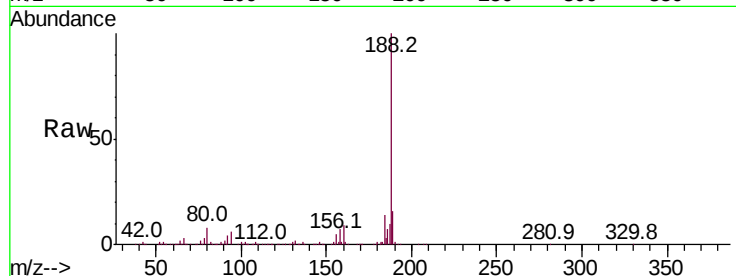
Tot Ion:188 Resp: 551352

Ion Ratio Lower Upper

188 100

94 6.4 6.2 9.4

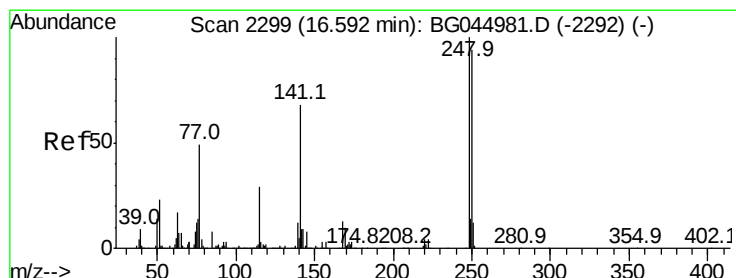
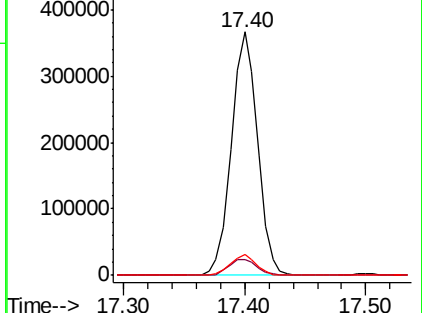
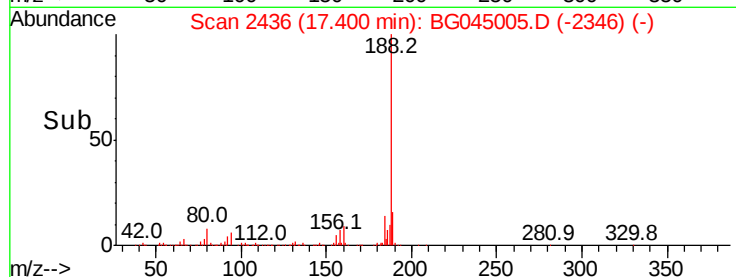
80 8.5 7.0 10.6



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: 5.116 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

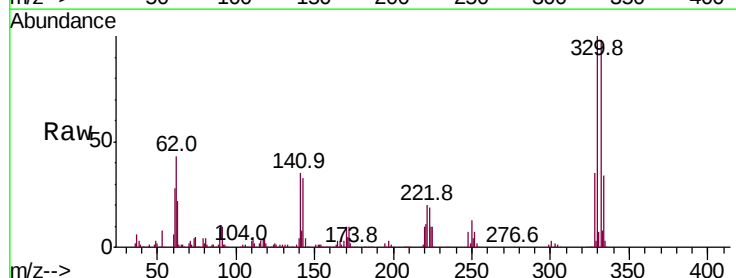
Tgt Ion:248 Resp: 36388

Ion Ratio Lower Upper

248 100

250 188.3 75.4 113.2#

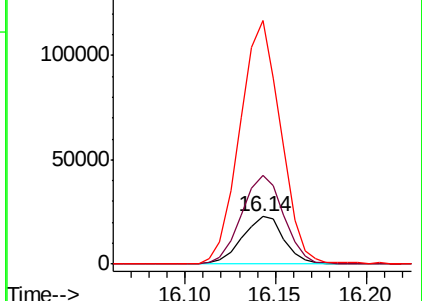
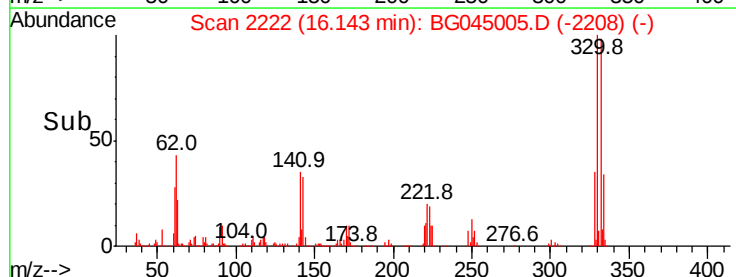
141 514.7 54.4 81.6#

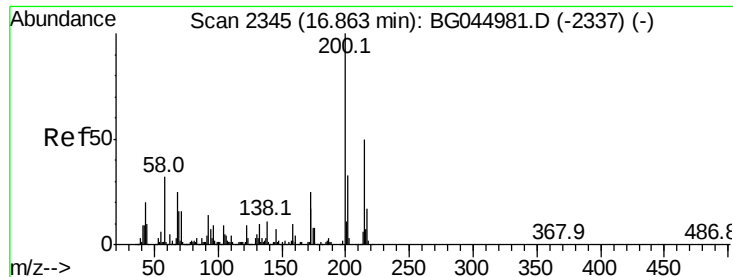


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 17.02 min Scan# 2371

Delta R.T. 0.16 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

Instrument :

BNA_G

ClientSampleId :

TP-37-38-45-46

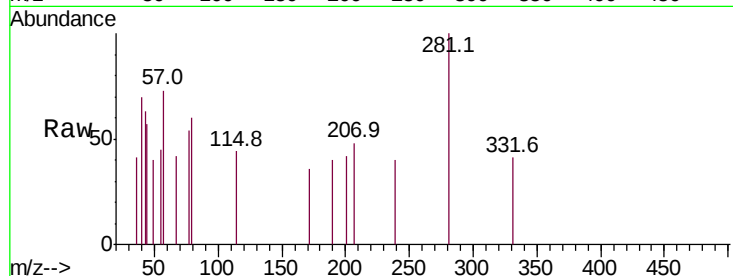
Tot Ion:200 Resp: 61

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

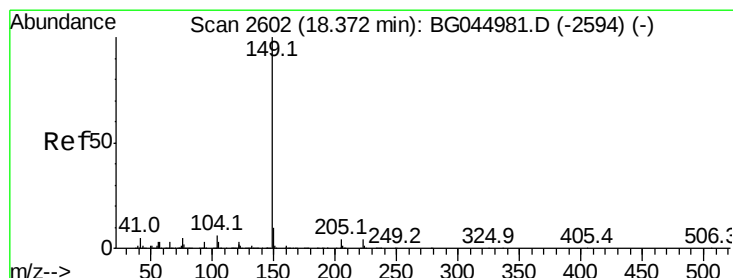
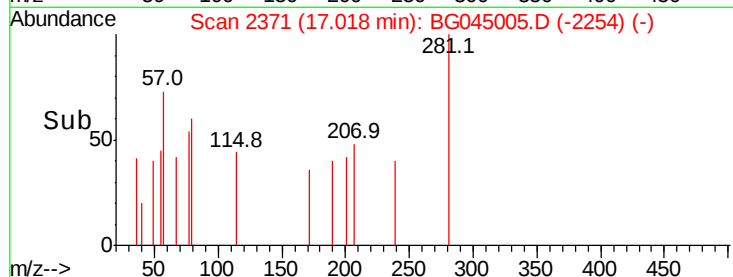
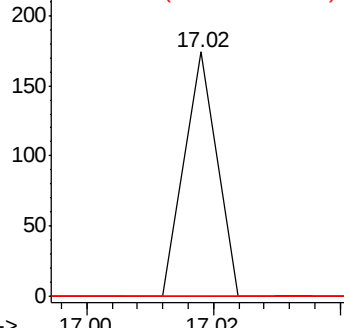
215 0.0 30.0 70.0#



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# 2600

Delta R.T. -0.01 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

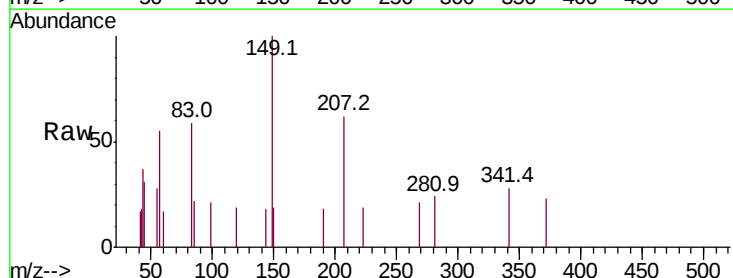
Tgt Ion:149 Resp: 976

Ion Ratio Lower Upper

149 100

150 19.5 8.2 12.2#

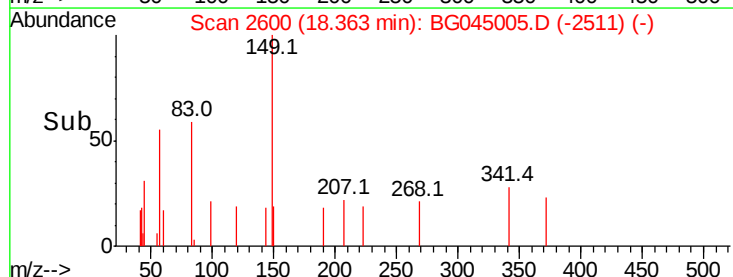
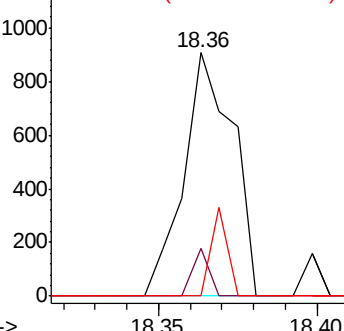
104 0.0 4.8 7.2#

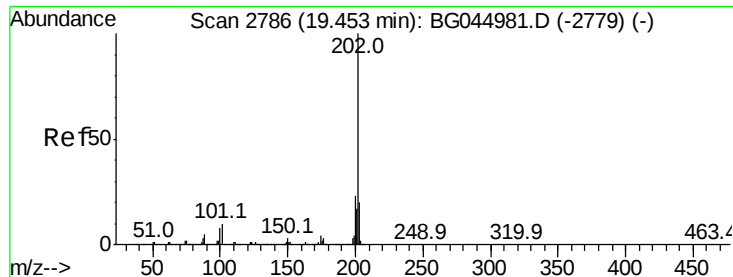


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

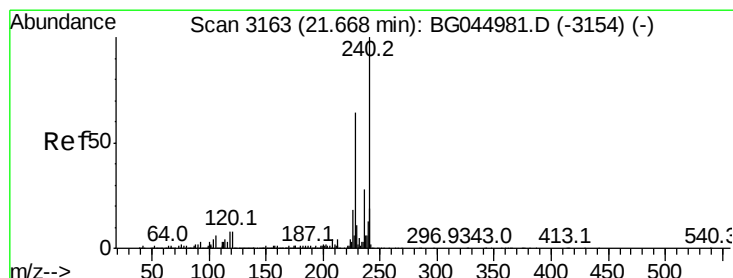
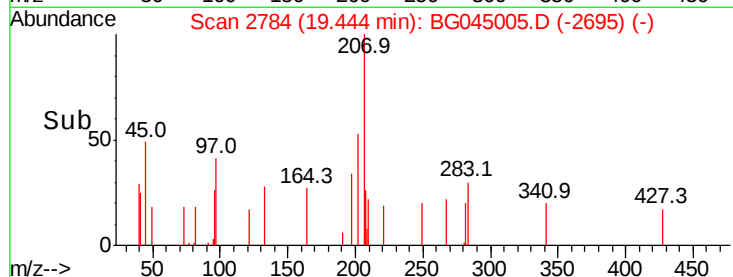
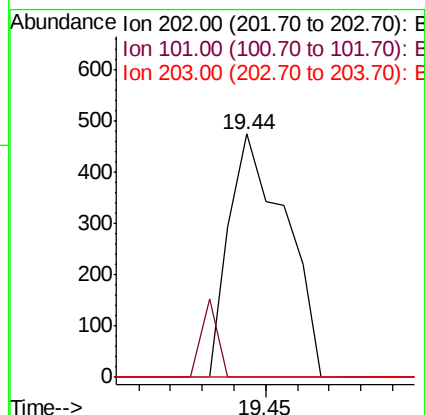
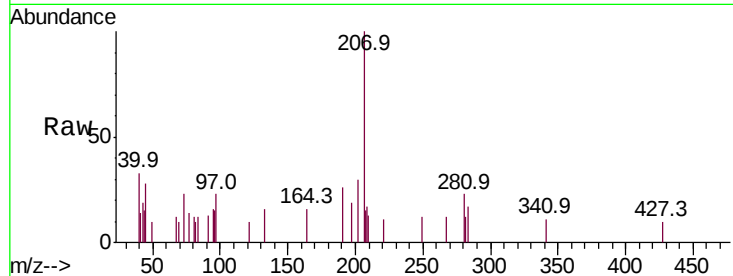




#75
 Fluoranthene
 Concen: Below Cal
 RT: 19.44 min Scan# 2784
 Delta R.T. -0.01 min
 Lab File: BG045005.D
 Acq: 16 Apr 2020 6:13

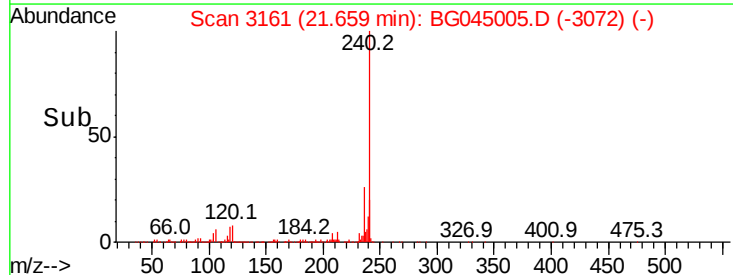
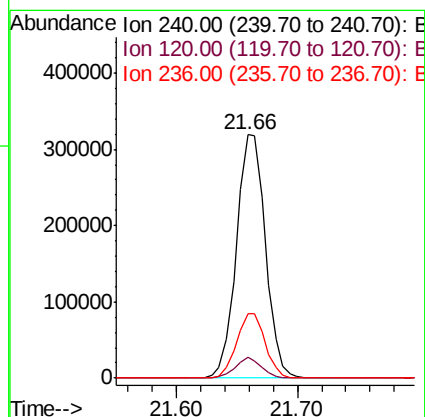
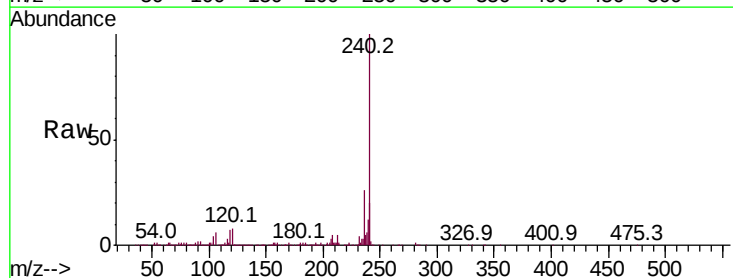
Instrument :
 BNA_G
 ClientSampleId :
 TP-37-38-45-46

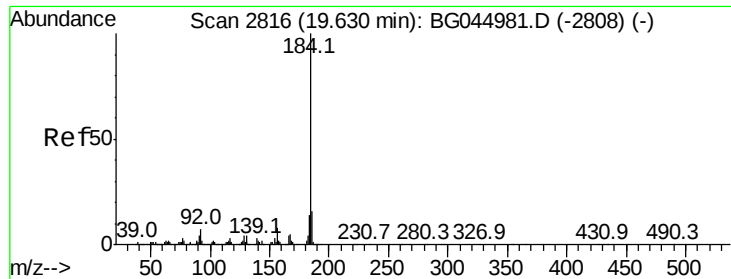
Tot Ion:	202	Resp:	586
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.66 min Scan# 3161
 Delta R.T. -0.01 min
 Lab File: BG045005.D
 Acq: 16 Apr 2020 6:13

Tgt Ion:	240	Resp:	534161
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.6	10.0
236	26.3	22.2	33.2





#77

Benzidine

Concen: Below Cal

RT: 20.01 min Scan# 2881

Delta R.T. 0.38 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

Instrument :

BNA_G

ClientSampleId :

TP-37-38-45-46

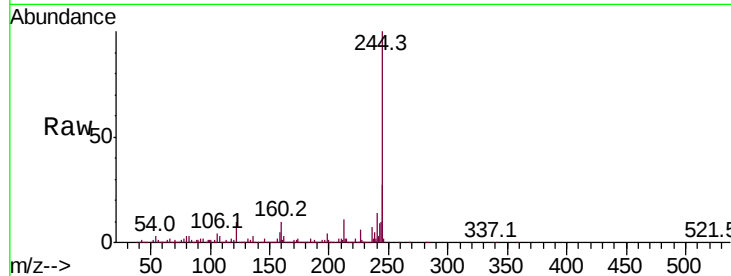
Tot Ion:184 Resp: 53754

Ion Ratio Lower Upper

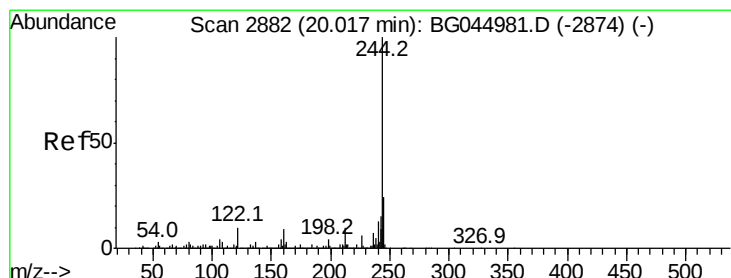
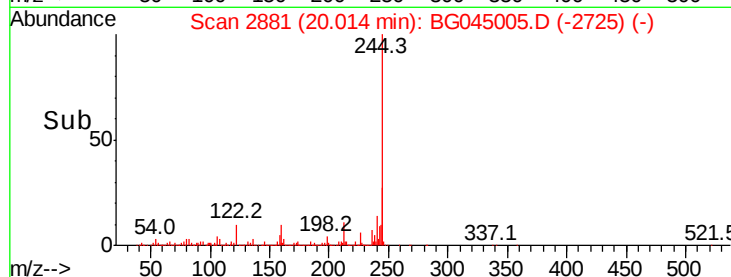
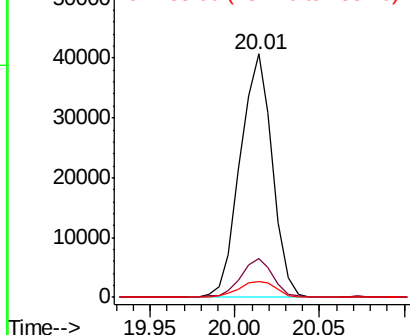
184 100

185 16.2 12.6 19.0

183 6.4 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: 106.213 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045005.D

Acq: 16 Apr 2020 6:13

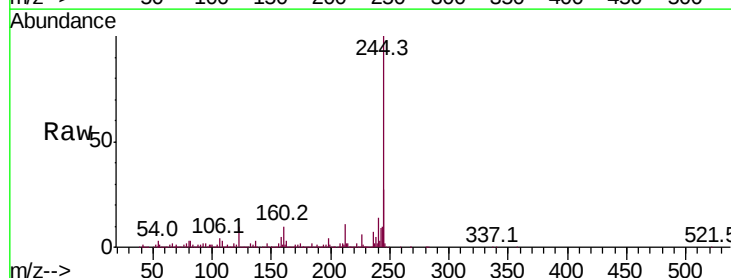
Tgt Ion:244 Resp: 2603038

Ion Ratio Lower Upper

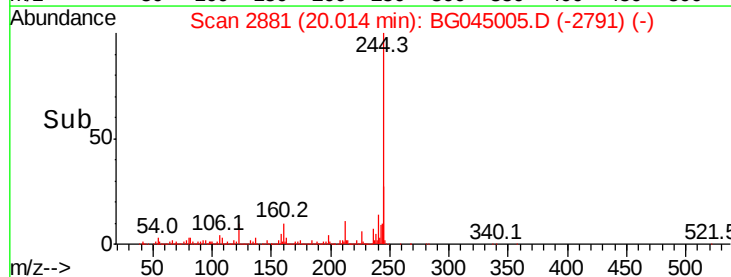
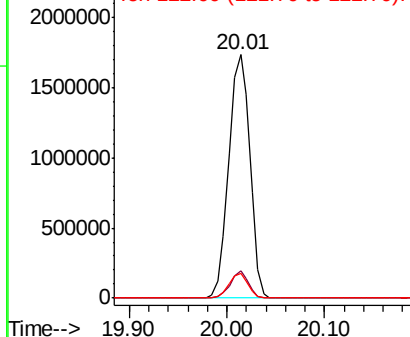
244 100

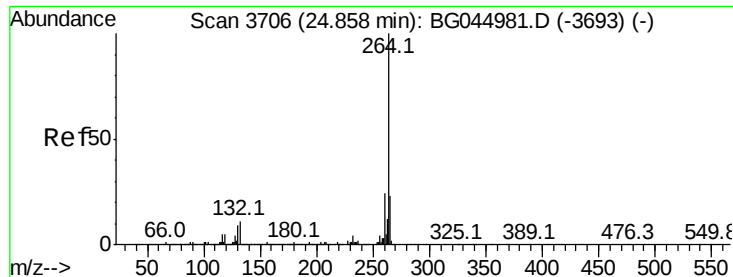
212 11.1 7.9 11.9

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: BG045005.D
 Acq: 16 Apr 2020 6:13

Instrument :
 BNA_G
 ClientSampleId :
 TP-37-38-45-46

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	20.9	19.0	28.4

