

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041720\
 Data File : BG045051.D
 Acq On : 18 Apr 2020 4:26
 Operator : CG/JU
 Sample : L2249-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-7

Quant Time: Apr 18 07:20:02 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	59452	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	265244	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	207018	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	485887	20.00	ng	0.00
76) Chrysene-d12	21.66	240	451261	20.00	ng	0.00
87) Perylene-d12	24.85	264	477860	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	219472	60.95	ng	0.00
7) Phenol-d6	7.18	99	212017	39.63	ng	0.00
23) Nitrobenzene-d5	9.18	82	526850	90.63	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	458284	143.30	ng	0.00
45) 2-Fluorobiphenyl	13.28	172	1269694	89.93	ng	0.00
79) Terphenyl-d14	20.01	244	2175815	105.09	ng	0.00

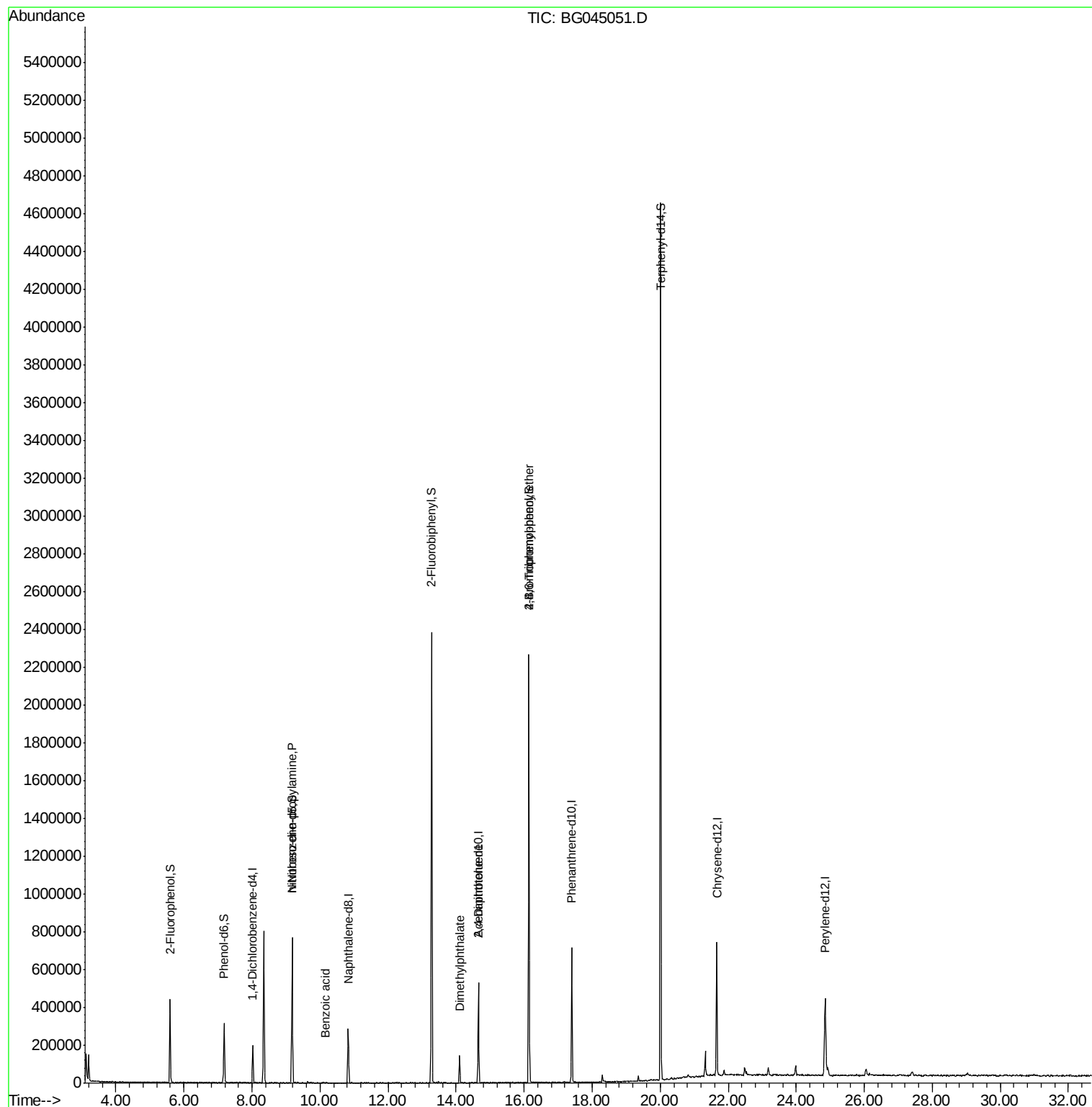
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.18	77	290	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.18	70	73406	19.400	ng	# 81
32) Benzoic acid	10.16	122	57	6.389	ng	# 1
50) Dimethylphthalate	14.10	163	96150	5.704	ng	# 96
57) 2,4-Dinitrotoluene	14.65	165	26102	4.737	ng	# 24
67) 4-Bromophenyl-phenylether	16.14	248	30047	4.793	ng	# 1
69) Atrazine	16.65	200	54	Below Cal	#	35
74) Di-n-butylphthalate	18.37	149	824	Below Cal	#	76
75) Fluoranthene	19.45	202	130	Below Cal	#	62
77) Benzidine	20.01	184	41857	Below Cal	#	89

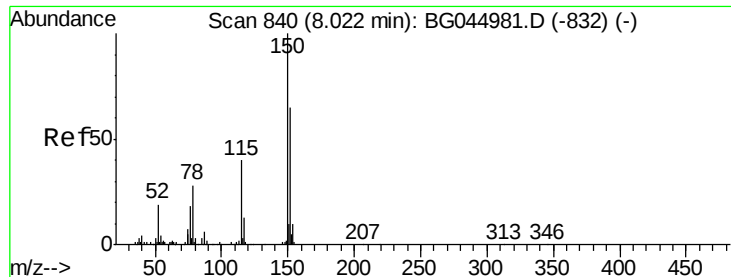
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.02 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

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BNA_G

ClientSampleId :

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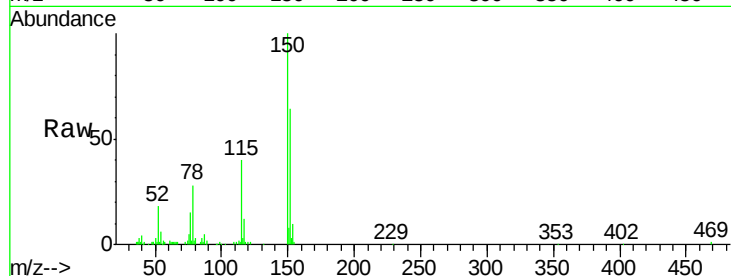
Tot Ion:152 Resp: 59452

Ion Ratio Lower Upper

152 100

150 155.2 123.6 185.4

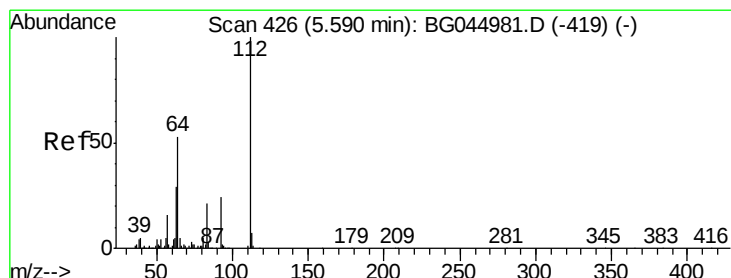
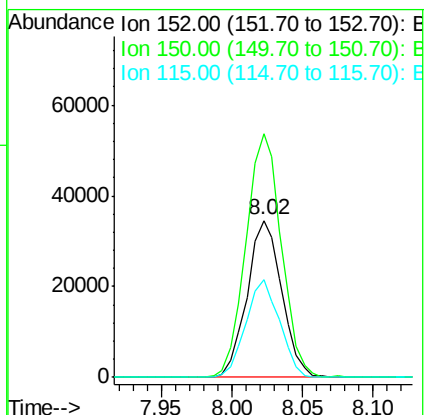
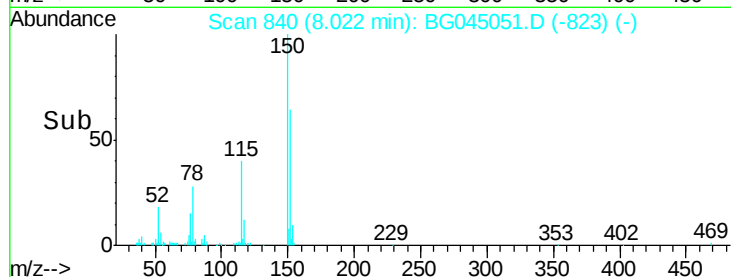
115 62.5 49.1 73.7



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: 60.946 ng

RT: 5.59 min Scan# 426

Delta R.T. -0.00 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

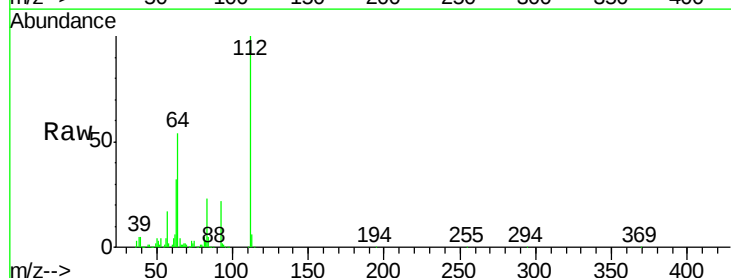
Tgt Ion:112 Resp: 219472

Ion Ratio Lower Upper

112 100

64 53.9 42.4 63.6

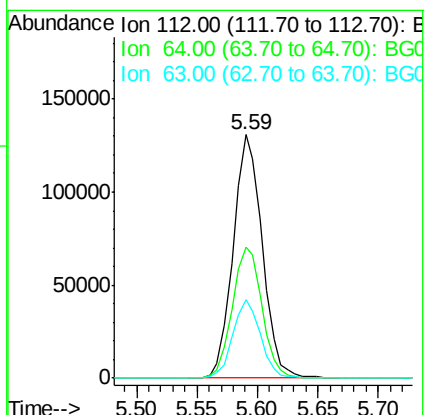
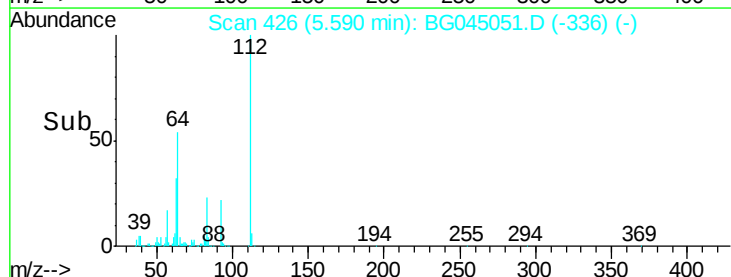
63 32.4 23.1 34.7

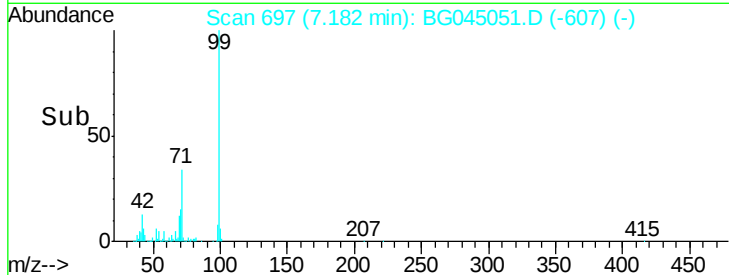
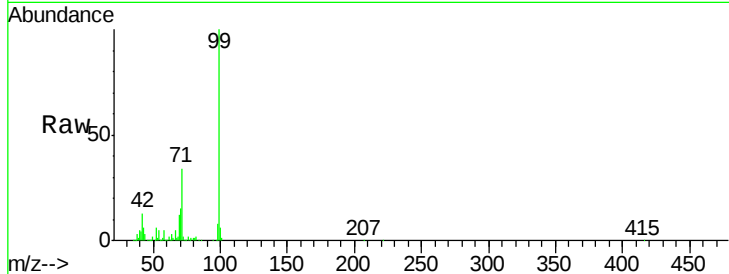
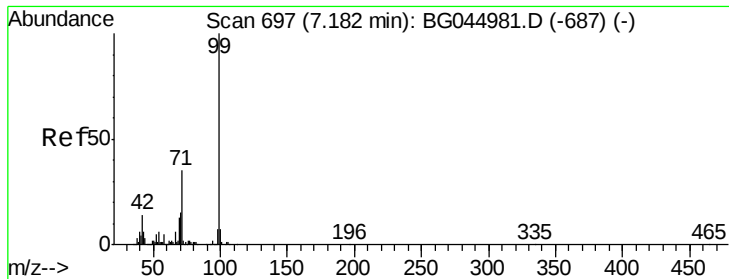


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 39.627 ng

RT: 7.18 min Scan# 697

Delta R.T. -0.00 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

Instrument :

BNA_G

ClientSampleId :

WC-7

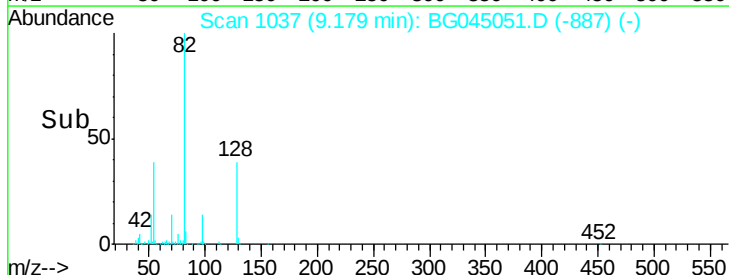
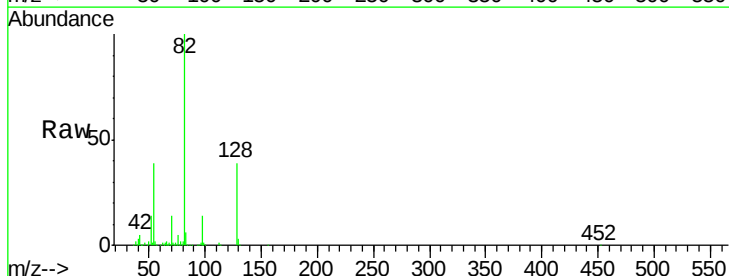
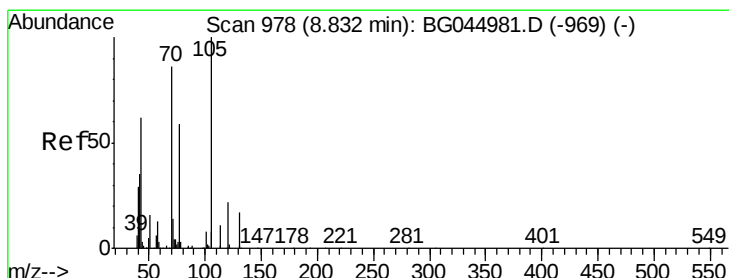
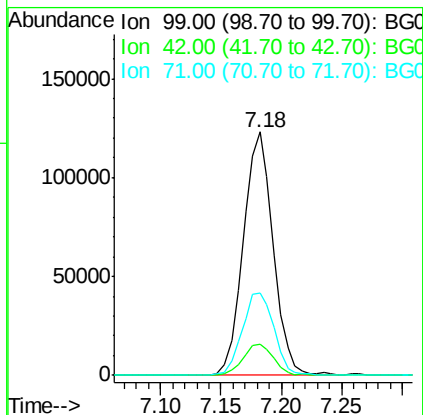
Tot Ion: 99 Resp: 212017

Ion Ratio Lower Upper

99 100

42 12.6 11.3 16.9

71 33.6 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 19.400 ng

RT: 9.18 min Scan# 1037

Delta R.T. 0.35 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

Tgt Ion: 70 Resp: 73406

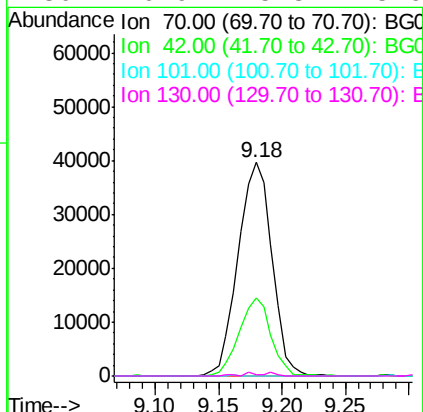
Ion Ratio Lower Upper

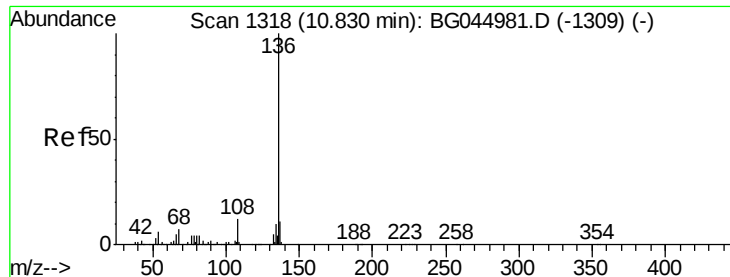
70 100

42 36.8 33.3 49.9

101 0.0 7.8 11.8#

130 0.9 15.8 23.6#

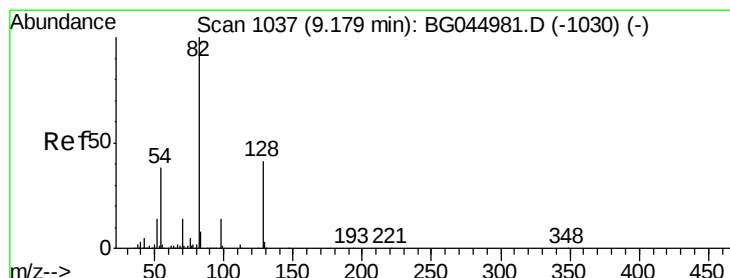
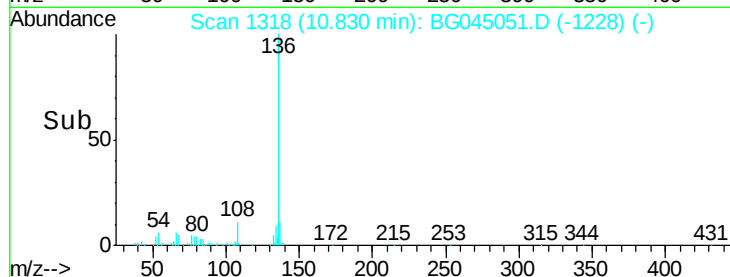
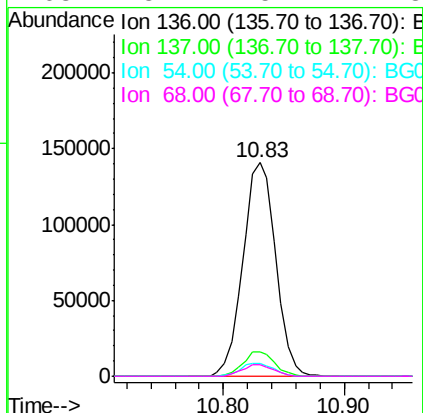
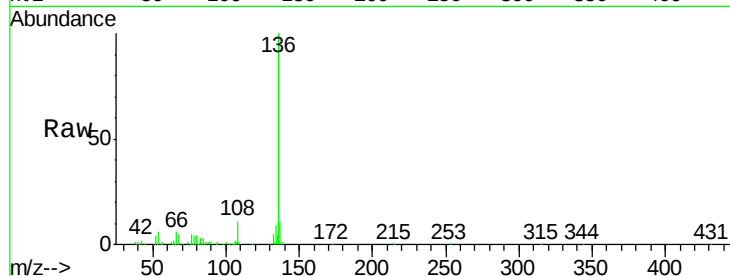




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BG045051.D
Acq: 18 Apr 2020 4:26

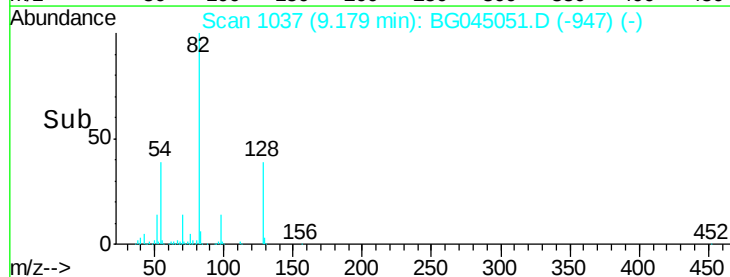
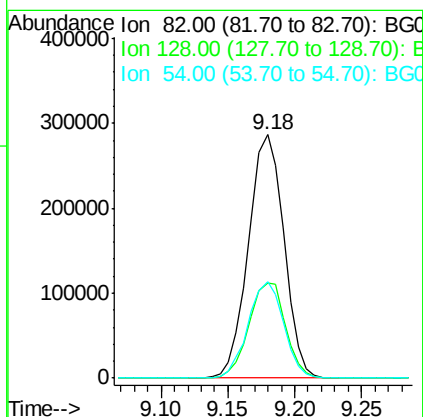
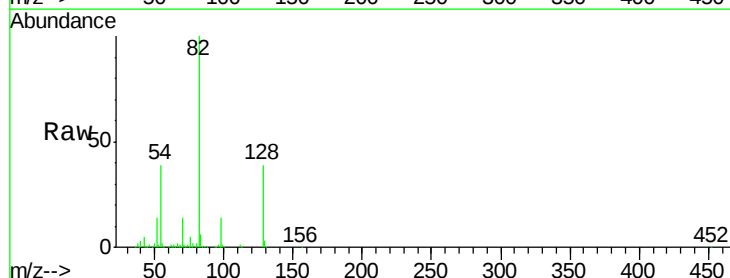
Instrument :
BNA_G
ClientSampleId :
WC-7

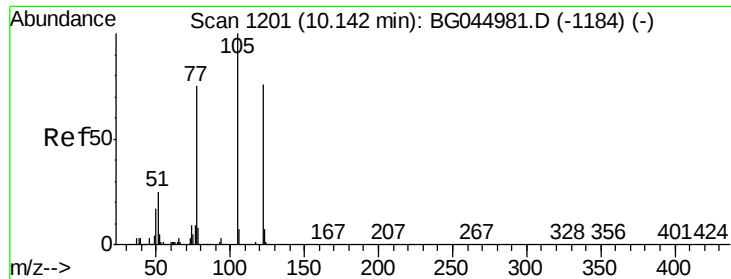
Tot Ion:136	Resp:	265244
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.6 13.0
54	5.8	4.8 7.2
68	5.2	5.2 7.8



#23
Nitrobenzene-d5
Concen: 90.632 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG045051.D
Acq: 18 Apr 2020 4:26

Tgt Ion: 82	Resp:	526850
Ion Ratio	Lower	Upper
82	100	
128	38.9	33.0 49.4
54	39.5	30.4 45.6

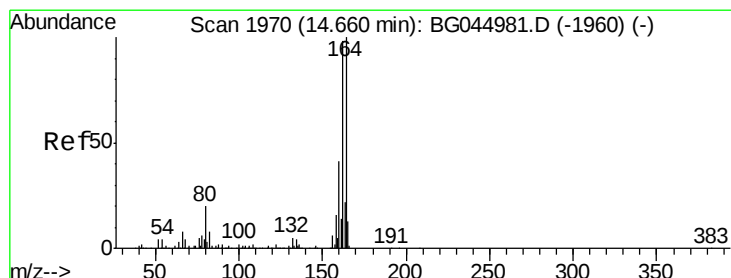
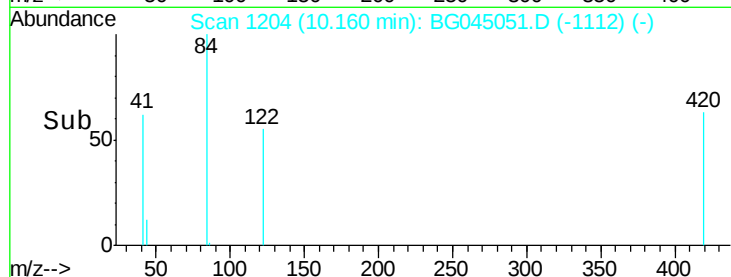
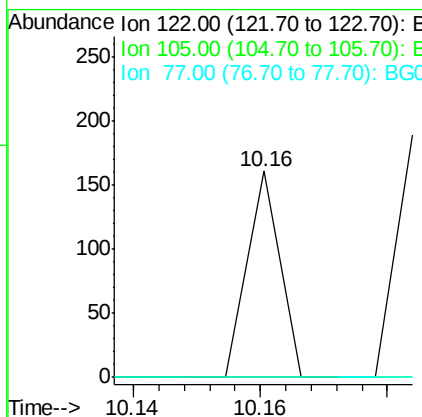
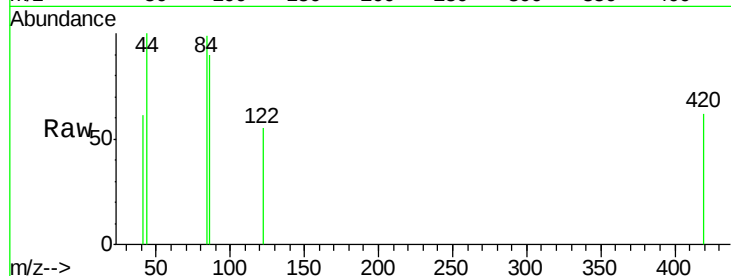




#32
Benzoic acid
Concen: 6.389 ng
RT: 10.16 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BG045051.D
Acq: 18 Apr 2020 4:26

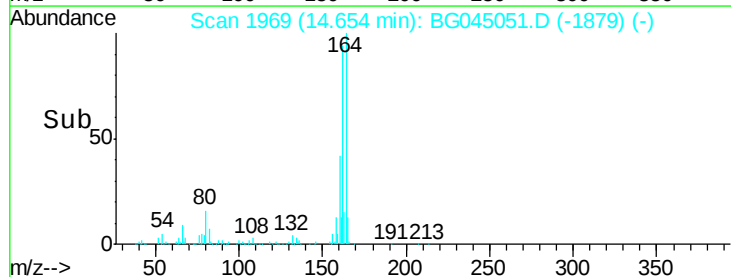
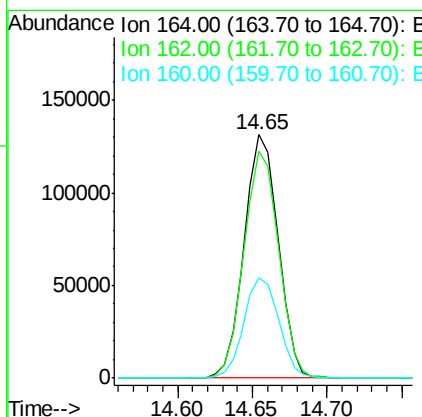
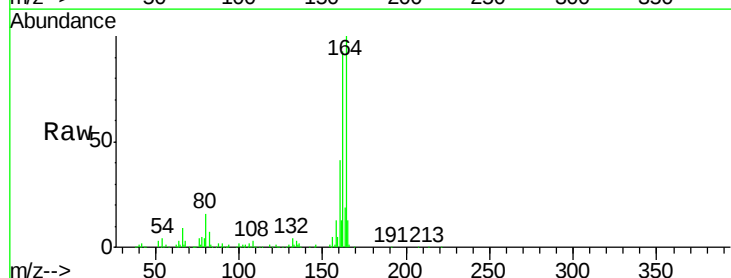
Instrument :
BNA_G
ClientSampleId :
WC-7

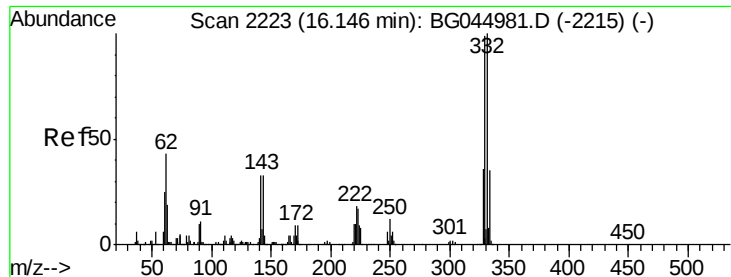
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BG045051.D
Acq: 18 Apr 2020 4:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	93.2	78.7	118.1
160	41.4	32.8	49.2

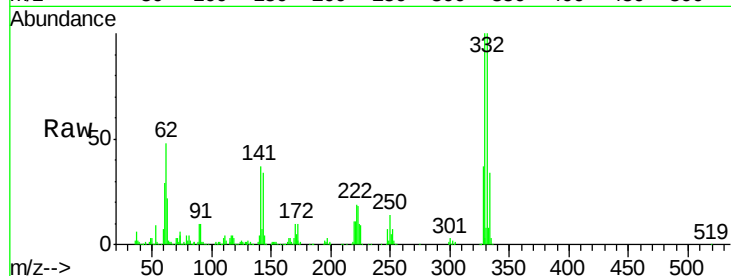




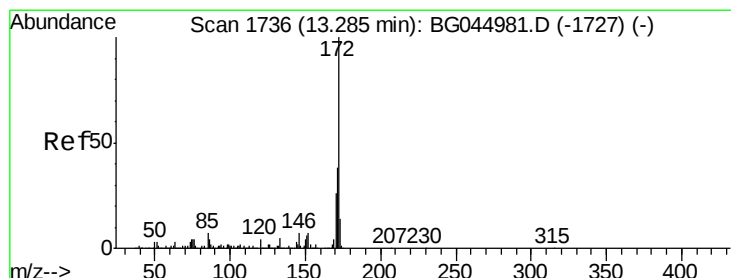
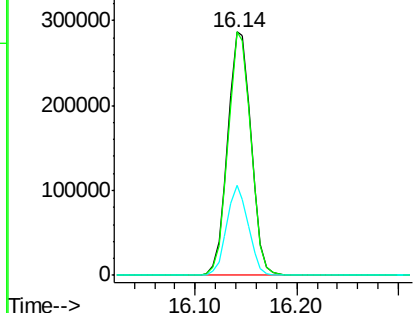
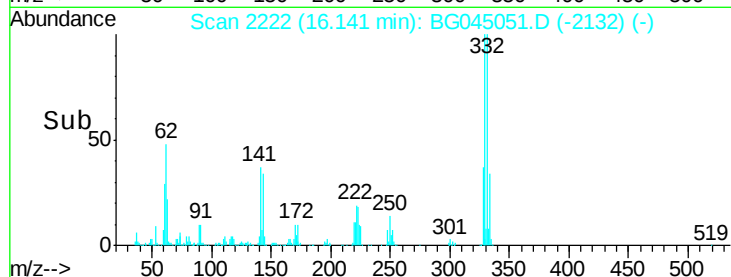
#42
2,4,6-Tribromophenol
Concen: 143.296 ng
RT: 16.14 min Scan# 2222
Delta R.T. -0.00 min
Lab File: BG045051.D
Acq: 18 Apr 2020 4:26

Instrument :
BNA_G
ClientSampleId :
WC-7

Tot Ion:330 Resp: 458284
Ion Ratio Lower Upper
330 100
332 97.3 79.1 118.7
141 34.3 27.1 40.7

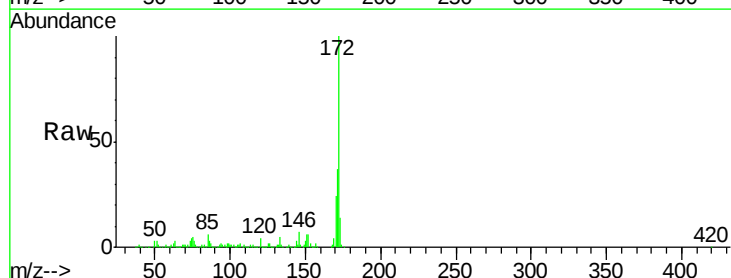


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

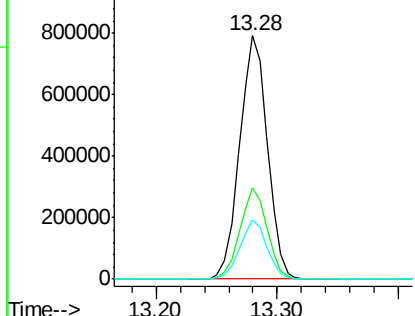
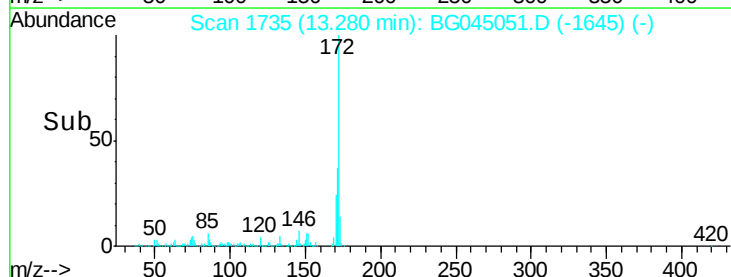


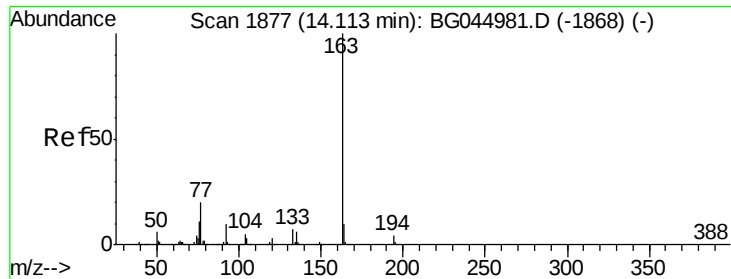
#45
2-Fluorobiphenyl
Concen: 89.933 ng
RT: 13.28 min Scan# 1735
Delta R.T. -0.00 min
Lab File: BG045051.D
Acq: 18 Apr 2020 4:26

Tgt Ion:172 Resp: 1269694
Ion Ratio Lower Upper
172 100
171 37.3 30.6 46.0
170 24.4 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: 5.704 ng

RT: 14.10 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

Instrument :

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ClientSampleId :

WC-7

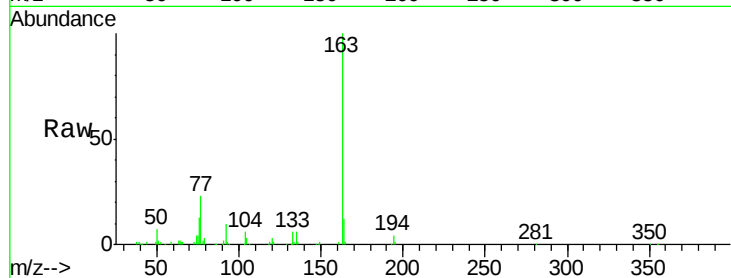
Tot Ion:163 Resp: 96150

Ion Ratio Lower Upper

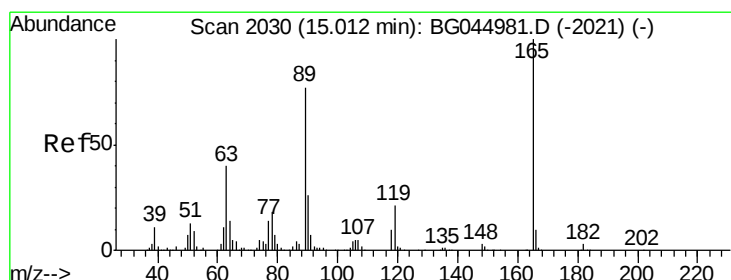
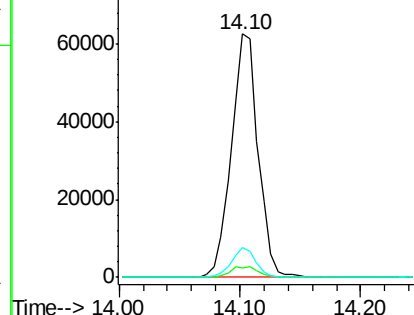
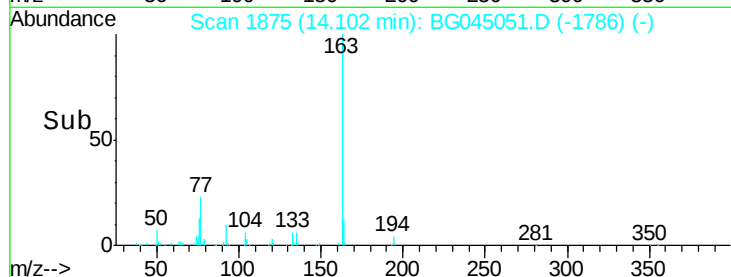
163 100

194 3.6 3.5 5.3

164 12.2 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: 4.737 ng

RT: 14.65 min Scan# 1969

Delta R.T. -0.36 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

Tgt Ion:165 Resp: 26102

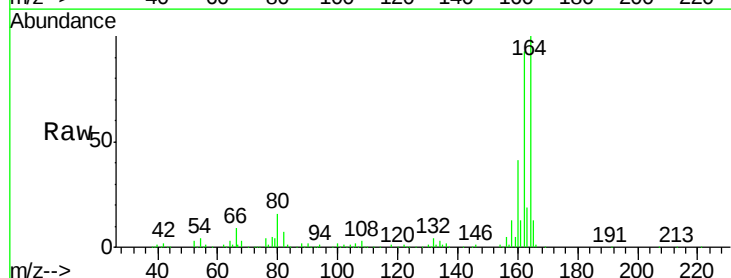
Ion Ratio Lower Upper

165 100

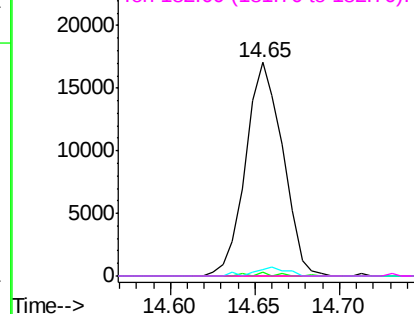
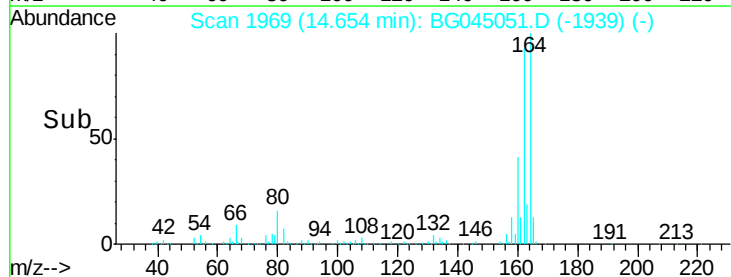
63 1.9 32.2 48.2#

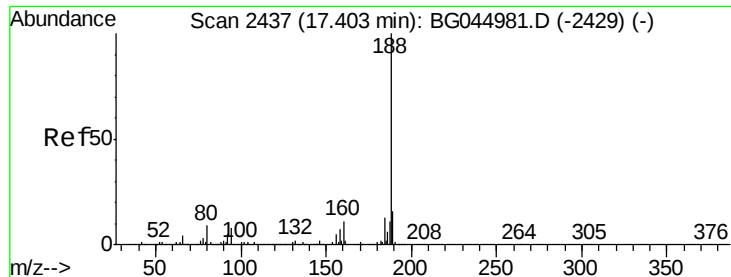
89 2.8 61.7 92.5#

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: 17.40 min Scan# 2436

Delta R.T. -0.00 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

Instrument :

BNA_G

ClientSampleId :

WC-7

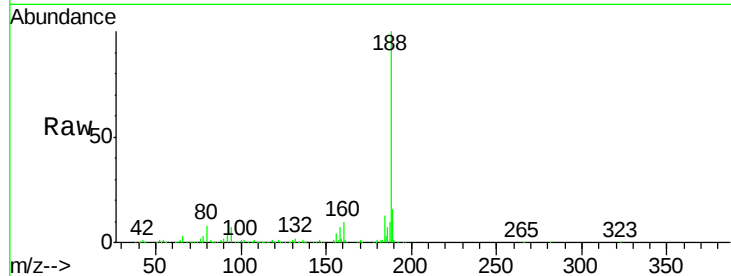
Tot Ion:188 Resp: 485887

Ion Ratio Lower Upper

188 100

94 6.9 6.2 9.4

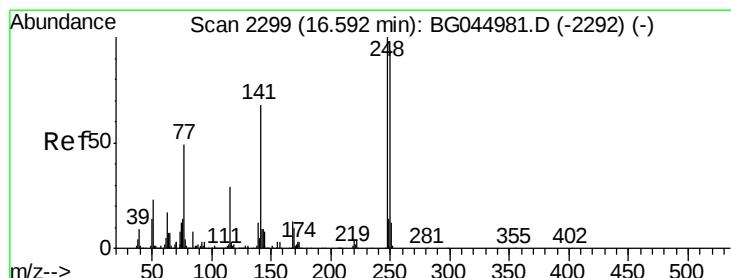
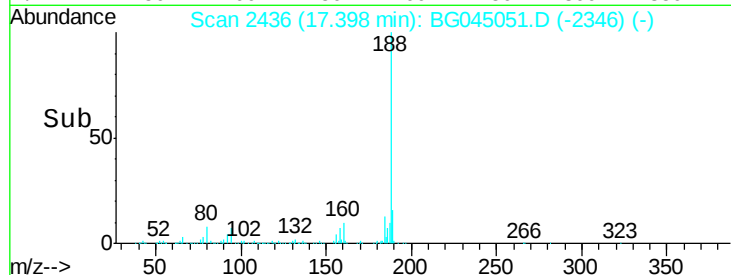
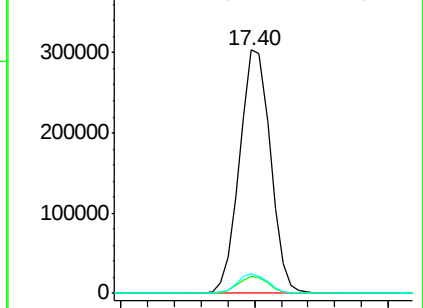
80 7.9 7.0 10.6



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: 4.793 ng

RT: 16.14 min Scan# 2222

Delta R.T. -0.45 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

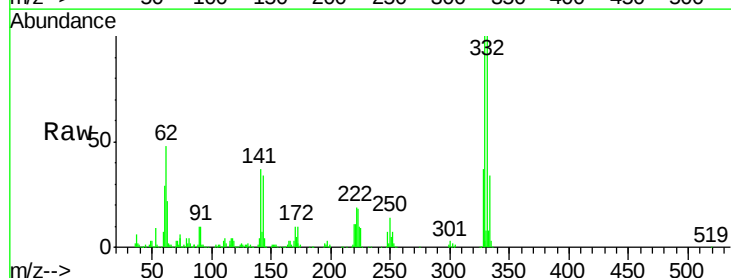
Tgt Ion:248 Resp: 30047

Ion Ratio Lower Upper

248 100

250 195.5 75.4 113.2#

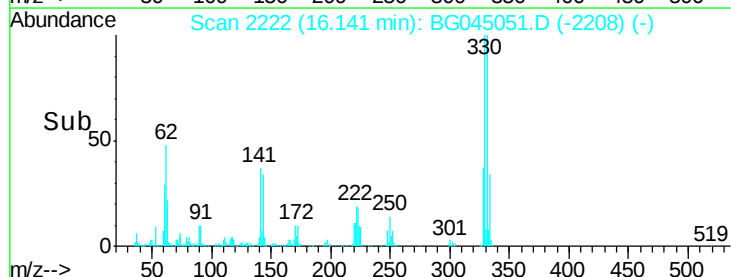
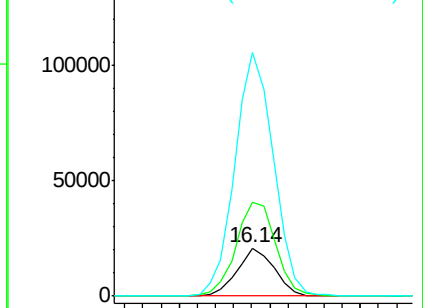
141 505.4 54.4 81.6#

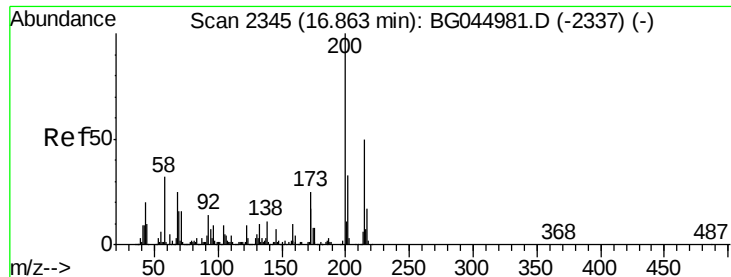


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.65 min Scan# 2309

Delta R.T. -0.21 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

Instrument :

BNA_G

ClientSampleId :

WC-7

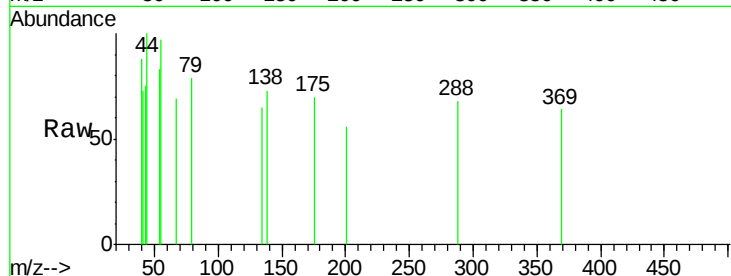
Tot Ion:200 Resp: 54

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

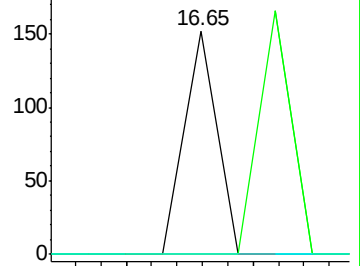
215 0.0 30.0 70.0#



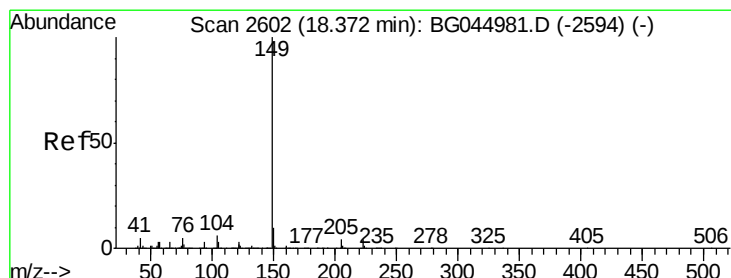
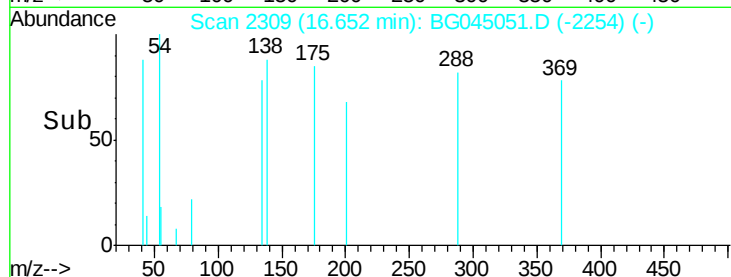
Abundance Ion 200.00 (199.70 to 200.70): E

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: BG045051.D

Acq: 18 Apr 2020 4:26

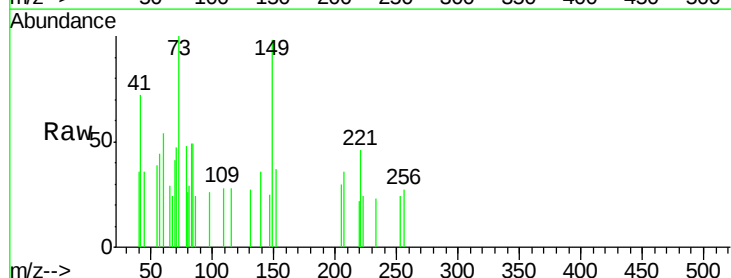
Tgt Ion:149 Resp: 824

Ion Ratio Lower Upper

149 100

150 0.0 8.2 12.2#

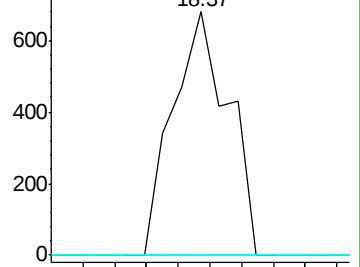
104 0.0 4.8 7.2#



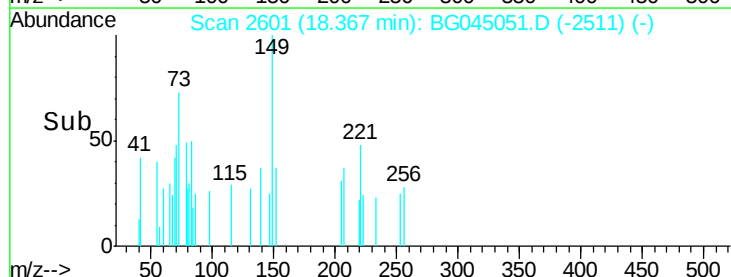
Abundance Ion 149.00 (148.70 to 149.70): E

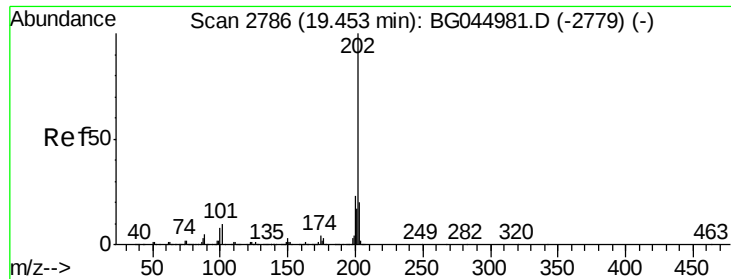
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#75

Fluoranthene

Concen: Below Cal

RT: 19.45 min Scan# 2785

Delta R.T. -0.00 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

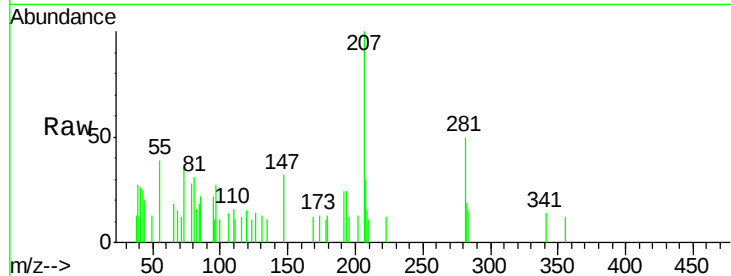
Instrument :

BNA_G

ClientSampleId :

WC-7

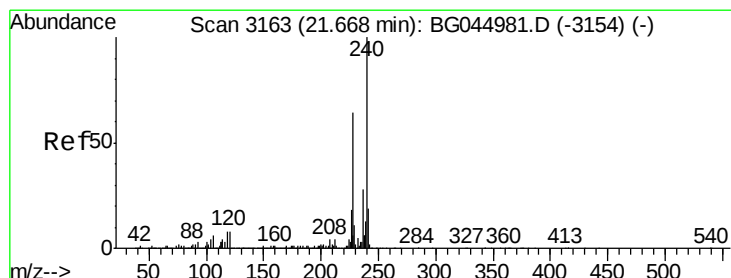
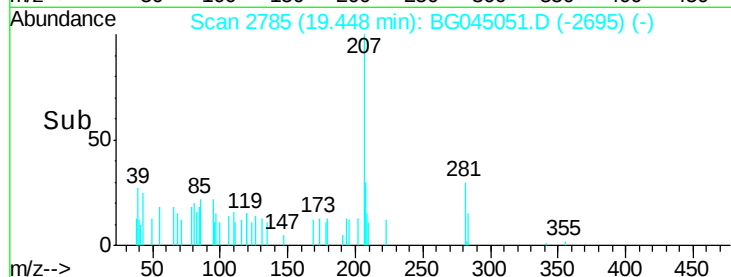
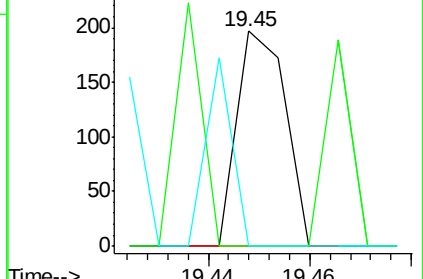
Tot Ion:	202	Resp:	130
Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	29.6
203	0.0	0.0	39.7



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

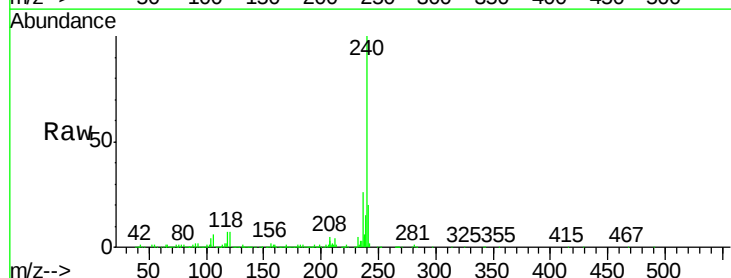
RT: 21.66 min Scan# 3162

Delta R.T. -0.00 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

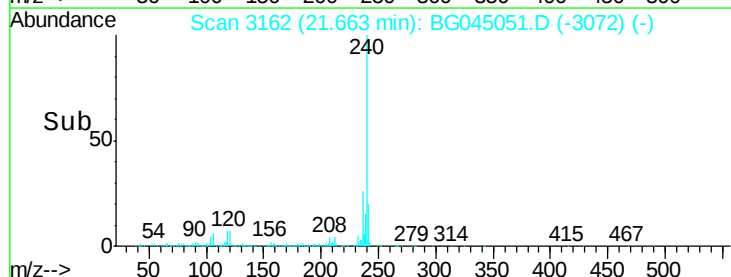
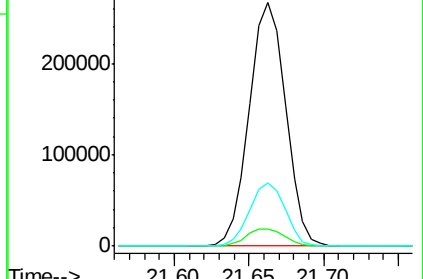
Tgt Ion:	240	Resp:	451261
Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.6	10.0
236	26.1	22.2	33.2

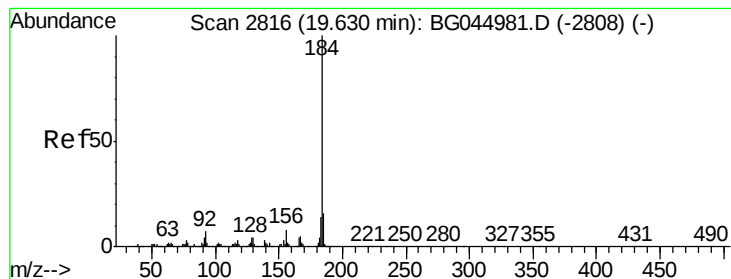


Abundance Ion 240.00 (239.70 to 240.70): E

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: BG045051.D

Acq: 18 Apr 2020 4:26

Instrument :

BNA_G

ClientSampleId :

WC-7

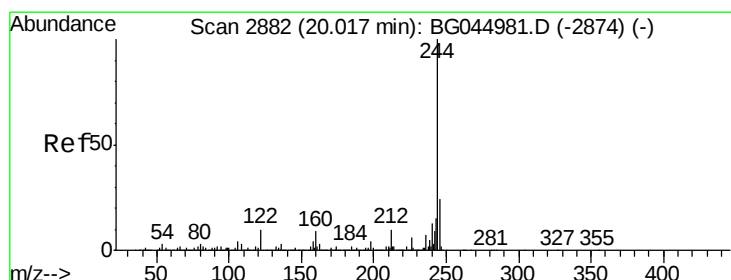
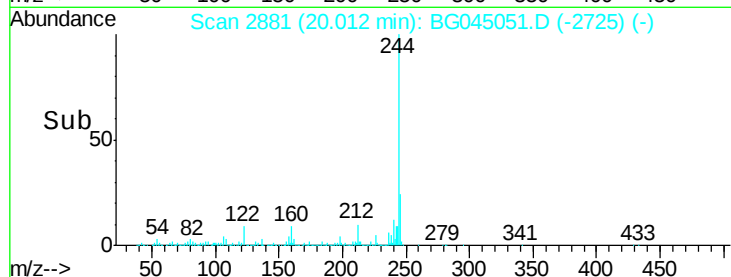
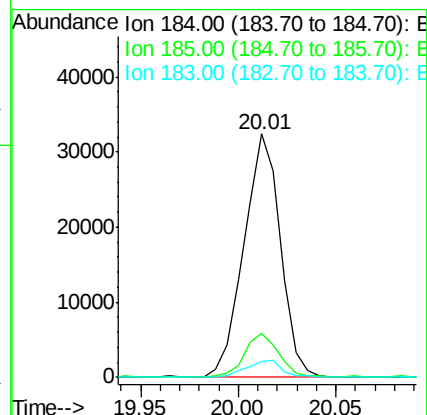
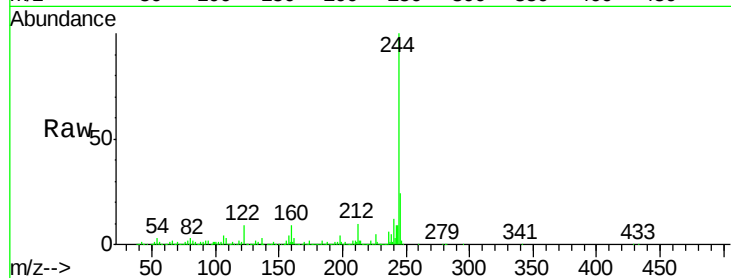
Tot Ion:184 Resp: 41857

Ion Ratio Lower Upper

184 100

185 17.8 12.6 19.0

183 6.5 11.3 16.9#



#79

Terphenyl-d14

Concen: 105.091 ng

RT: 20.01 min Scan# 2881

Delta R.T. -0.00 min

Lab File: BG045051.D

Acq: 18 Apr 2020 4:26

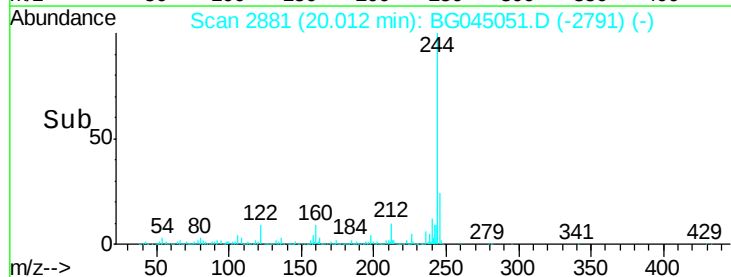
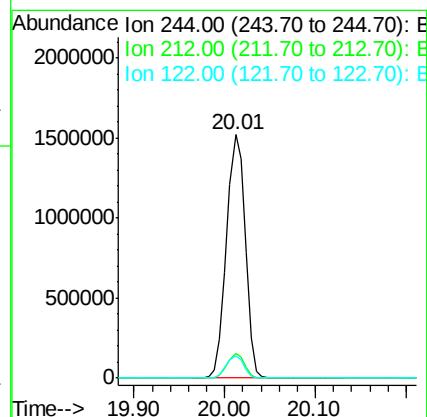
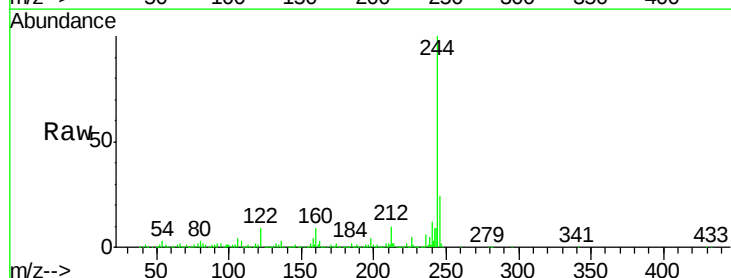
Tgt Ion:244 Resp: 2175815

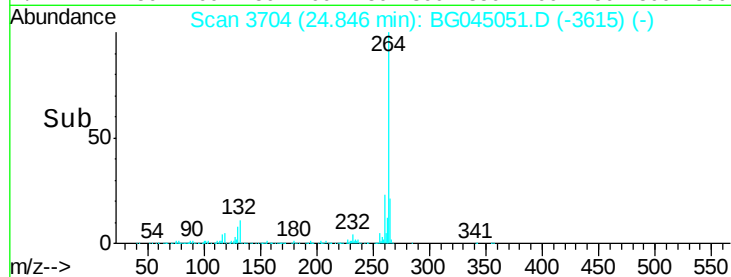
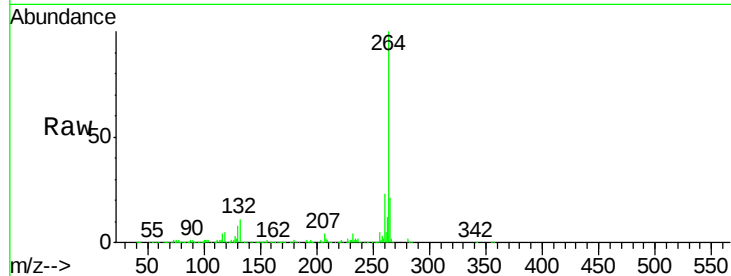
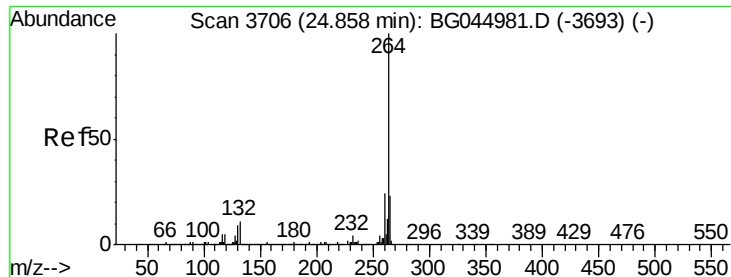
Ion Ratio Lower Upper

244 100

212 10.0 7.9 11.9

122 8.9 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: BG045051.D
Acq: 18 Apr 2020 4:26

Instrument :
BNA_G
ClientSampleId :
WC-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	20.9	19.0	28.4

