

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051120\
 Data File : BG045318.D
 Acq On : 12 May 2020 6:43
 Operator : CG/JU
 Sample : L2531-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-14A

Quant Time: May 12 07:20:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 11 13:27:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	89015	20.00	ng	-0.01
21) Naphthalene-d8	10.78	136	377944	20.00	ng	0.00
39) Acenaphthene-d10	14.61	164	269918	20.00	ng	-0.01
64) Phenanthrene-d10	17.36	188	579633	20.00	ng	0.00
76) Chrysene-d12	21.63	240	478017	20.00	ng	-0.01
87) Perylene-d12	24.79	264	521533	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	534131	99.06	ng	0.00
7) Phenol-d6	7.14	99	815326	101.78	ng	0.00
23) Nitrobenzene-d5	9.13	82	547176	66.06	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	394577	94.63	ng	-0.01
45) 2-Fluorobiphenyl	13.24	172	1287827	69.96	ng	0.00
79) Terphenyl-d14	19.98	244	1766159	80.53	ng	0.00

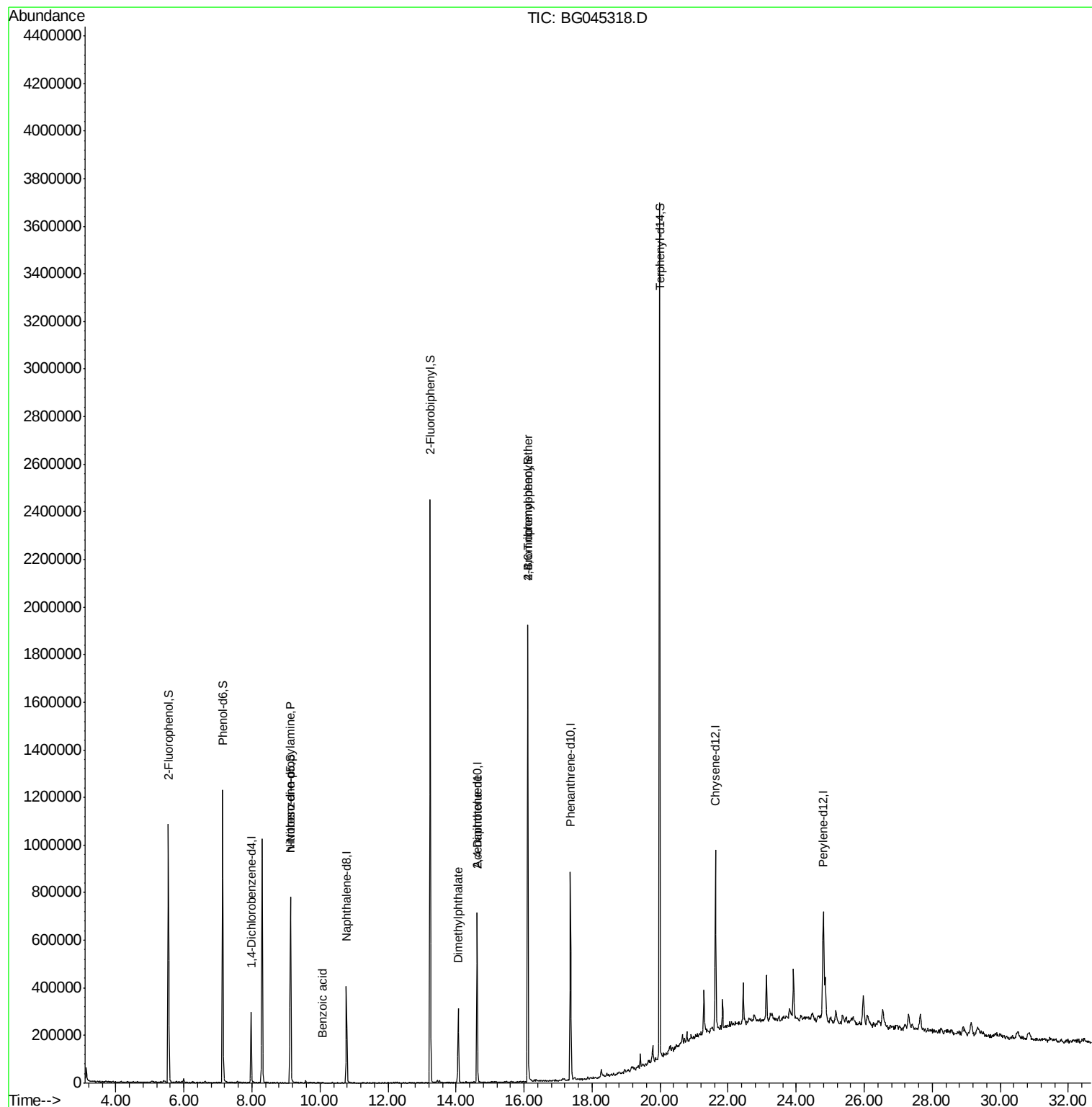
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	1823	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.13	70	74253	13.107	ng	# 77
32) Benzoic acid	10.06	122	57	6.384	ng	# 1
50) Dimethylphthalate	14.07	163	220526	10.034	ng	# 99
57) 2,4-Dinitrotoluene	14.61	165	35755	4.977	ng	# 22
67) 4-Bromophenyl-phenylether	16.11	248	26498	3.544	ng	# 1
69) Atrazine	16.86	200	56	Below Cal	#	35
74) Di-n-butylphthalate	18.33	149	4974	Below Cal	#	90
75) Fluoranthene	19.42	202	37387	Below Cal	#	94
77) Benzidine	19.98	184	34492	Below Cal	#	91

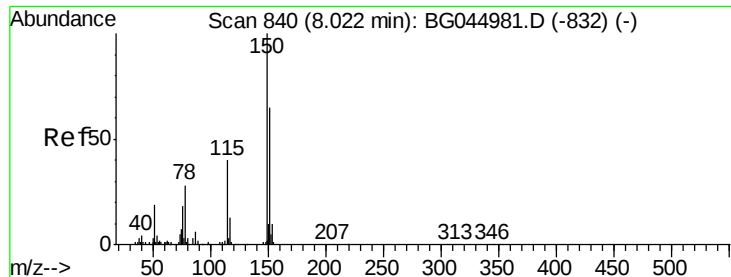
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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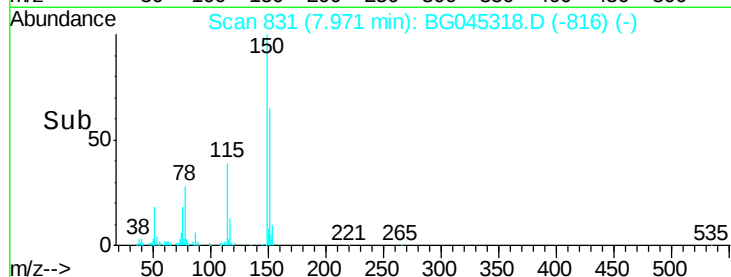
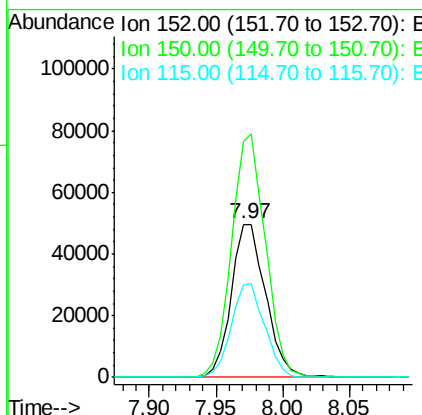
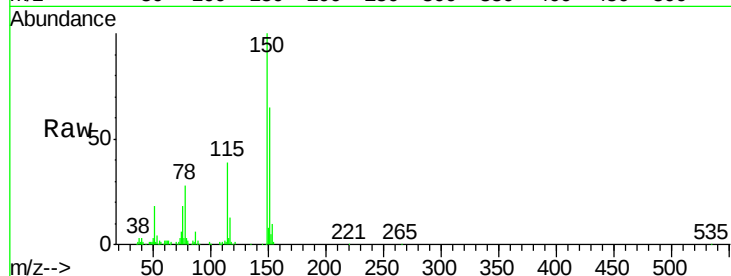


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.97 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BG045318.D
 Acq: 12 May 2020 6:43

Instrument :
 BNA_G
 ClientSampleId :
 TP-14A

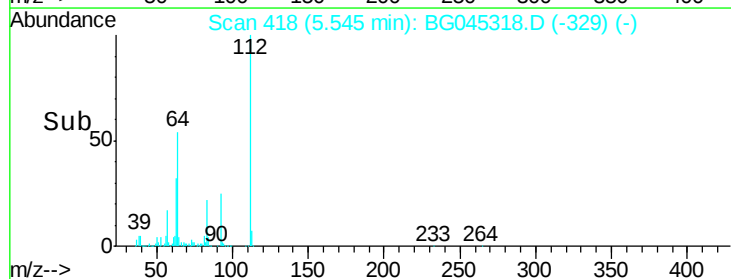
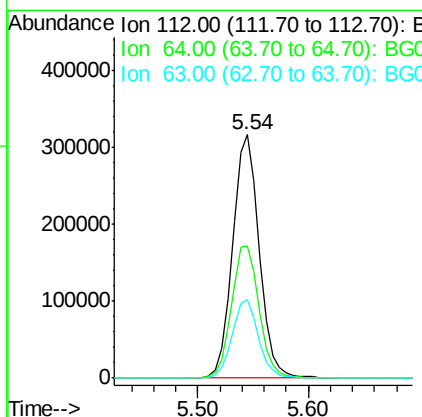
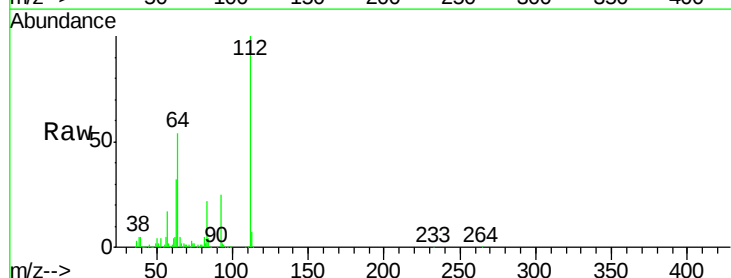
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.6	185.4
115	60.6	49.1	73.7

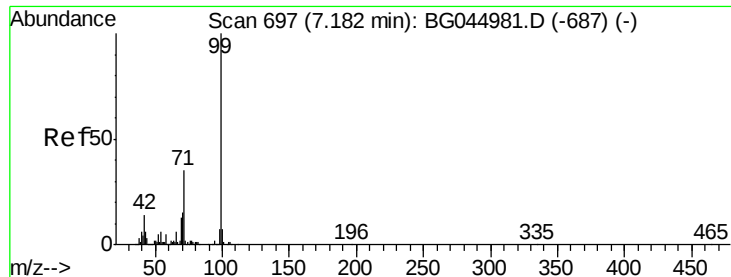


#5

2-Fluorophenol
 Concen: 99.064 ng
 RT: 5.54 min Scan# 418
 Delta R.T. -0.01 min
 Lab File: BG045318.D
 Acq: 12 May 2020 6:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	42.4	63.6
63	32.2	23.1	34.7





#7

Phenol-d6

Concen: 101.778 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Instrument :

BNA_G

ClientSampleId :

TP-14A

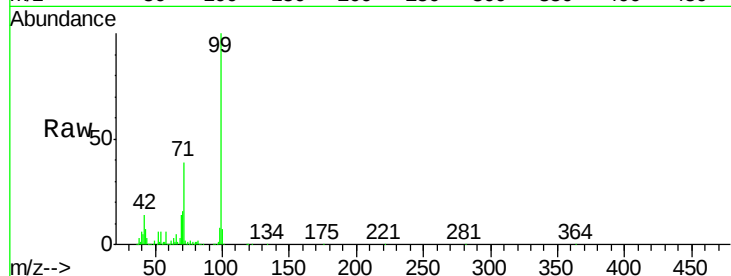
Tot Ion: 99 Resp: 815326

Ion Ratio Lower Upper

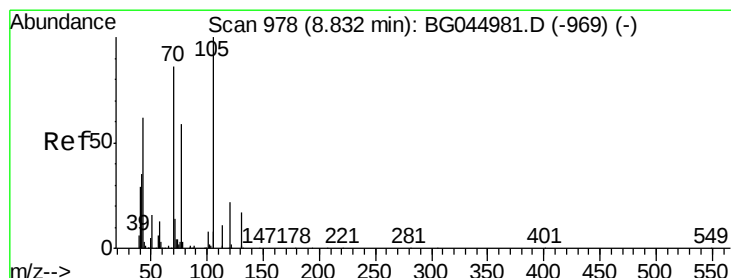
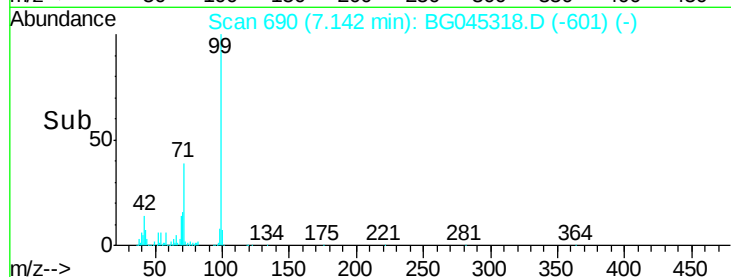
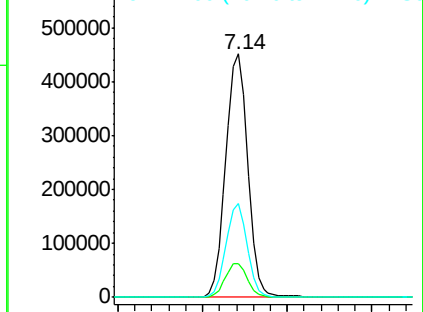
99 100

42 13.8 11.3 16.9

71 38.6 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: 13.107 ng

RT: 9.13 min Scan# 1029

Delta R.T. 0.35 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Tgt Ion: 70 Resp: 74253

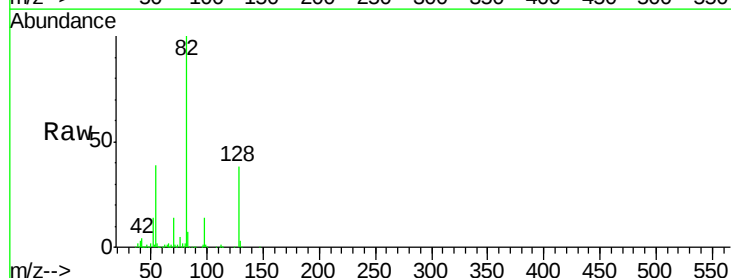
Ion Ratio Lower Upper

70 100

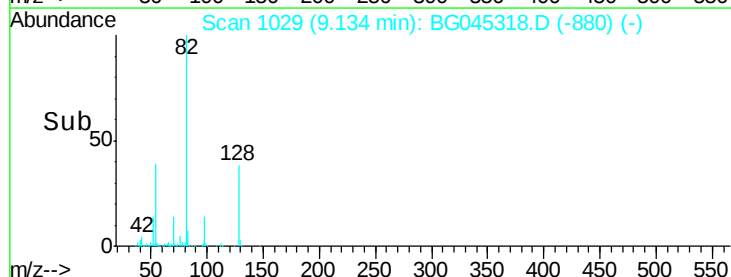
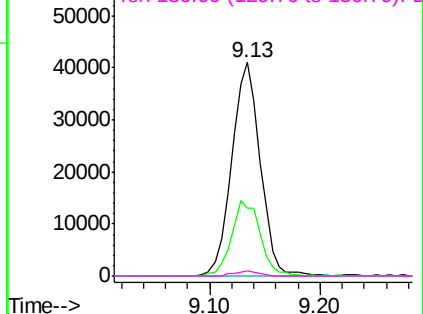
42 31.7 33.3 49.9#

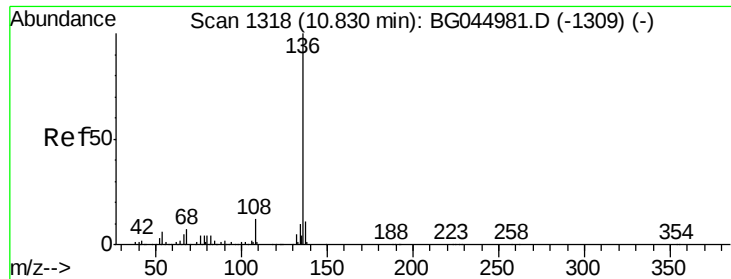
101 0.0 7.8 11.8#

130 2.3 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

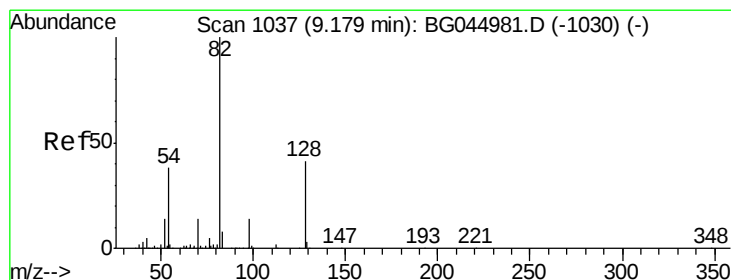
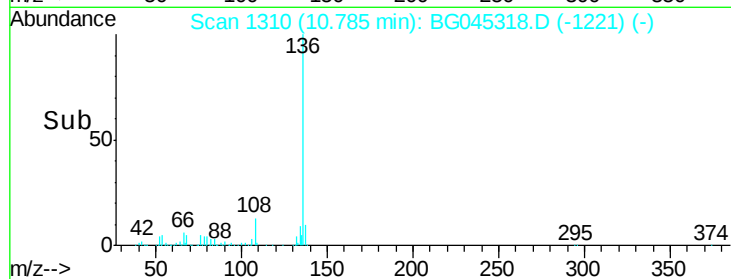
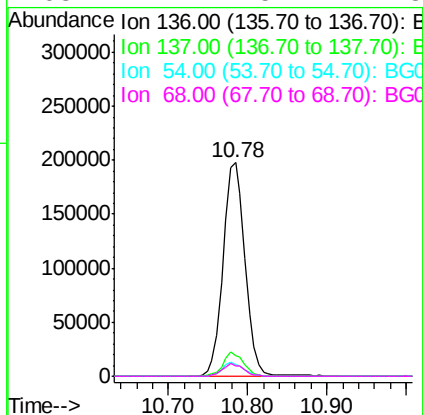
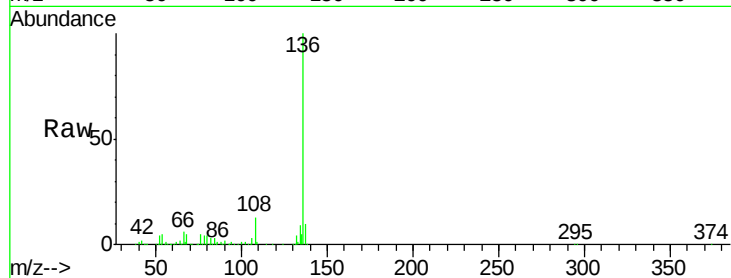




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.78 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BG045318.D
Acq: 12 May 2020 6:43

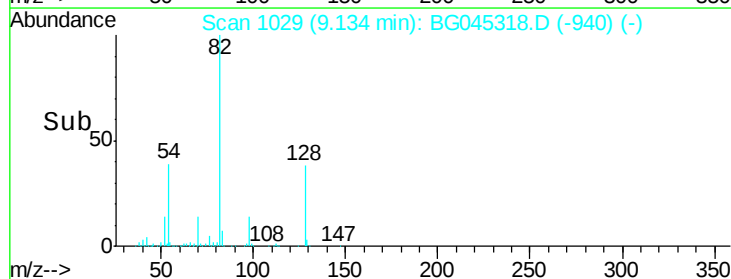
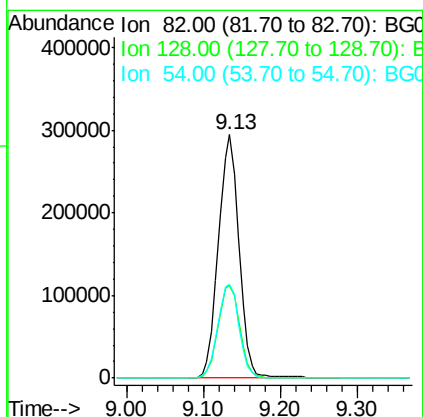
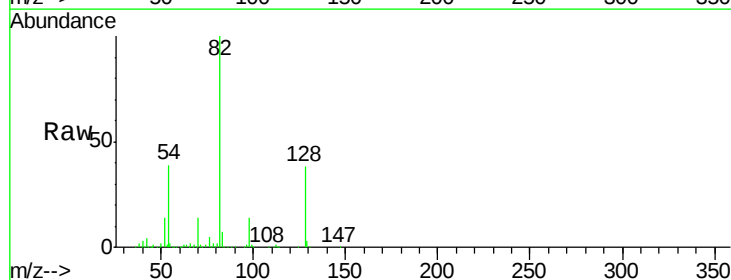
Instrument :
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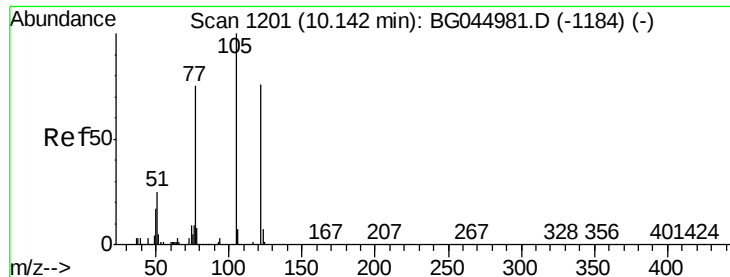
Tot Ion:136	Resp:	377944
Ion	Ratio	Lower Upper
136	100	
137	9.8	8.6 13.0
54	5.3	4.8 7.2
68	4.7	5.2 7.8#



#23
Nitrobenzene-d5
Concen: 66.060 ng
RT: 9.13 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BG045318.D
Acq: 12 May 2020 6:43

Tgt Ion: 82	Resp:	547176
Ion	Ratio	Lower Upper
82	100	
128	37.9	33.0 49.4
54	38.7	30.4 45.6

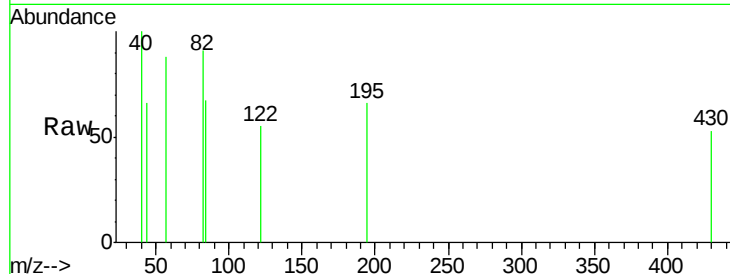




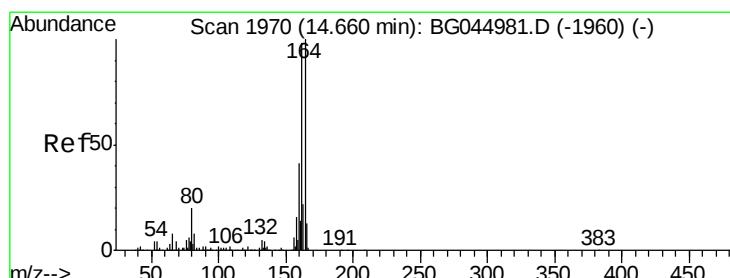
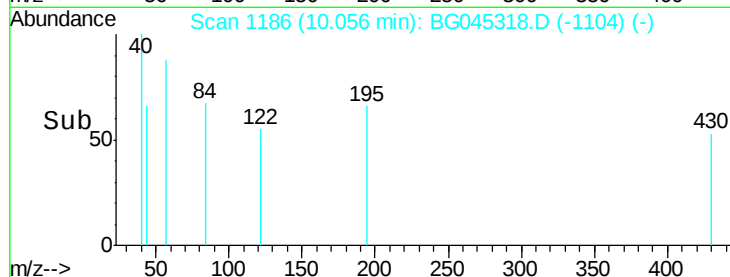
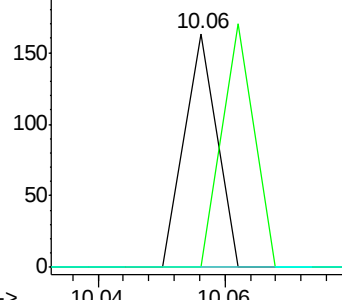
#32
Benzoic acid
Concen: 6.384 ng
RT: 10.06 min Scan# 1186
Delta R.T. -0.05 min
Lab File: BG045318.D
Acq: 12 May 2020 6:43

Instrument :
BNA_G
ClientSampleId :
TP-14A

Tot Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#

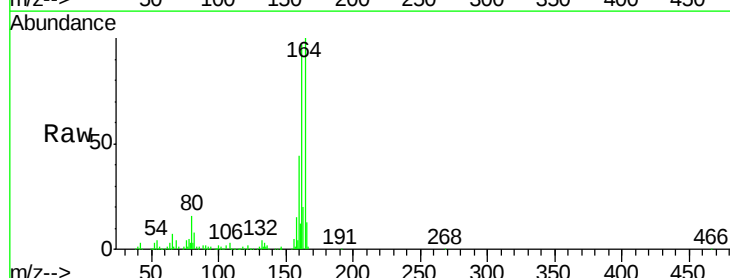


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

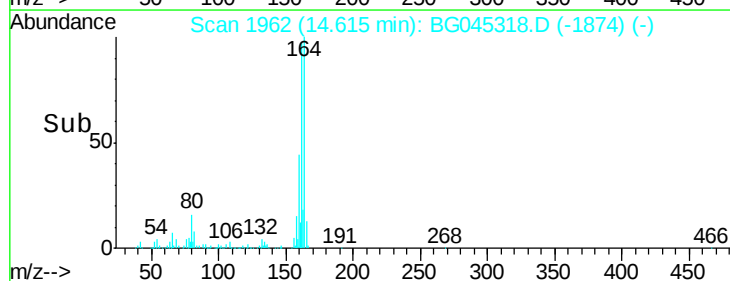
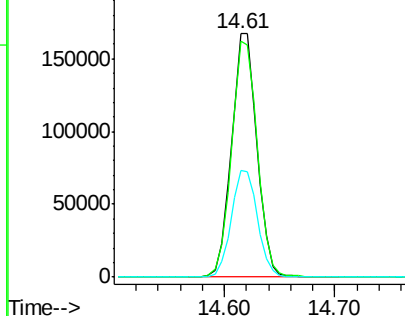


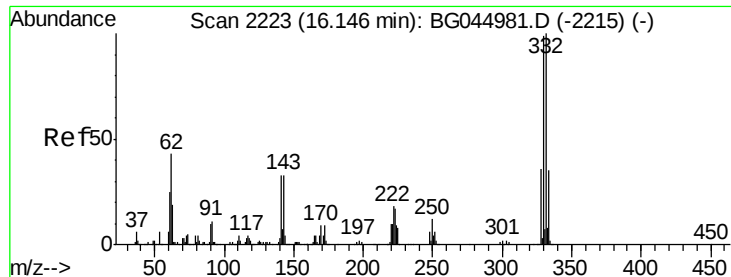
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.61 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BG045318.D
Acq: 12 May 2020 6:43

Tgt Ion:164 Resp: 269918
Ion Ratio Lower Upper
164 100
162 97.1 78.7 118.1
160 44.0 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

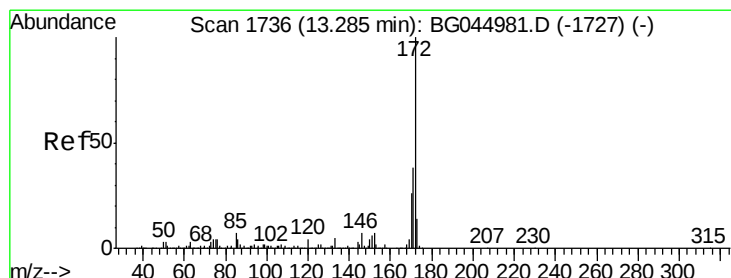
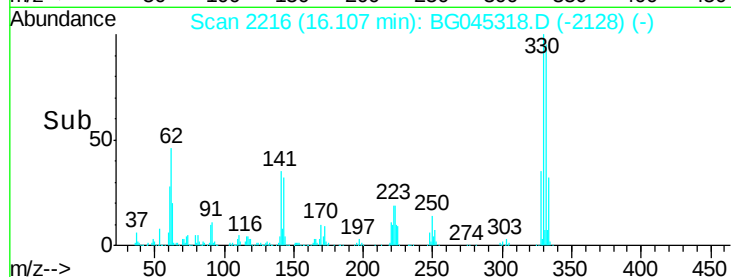
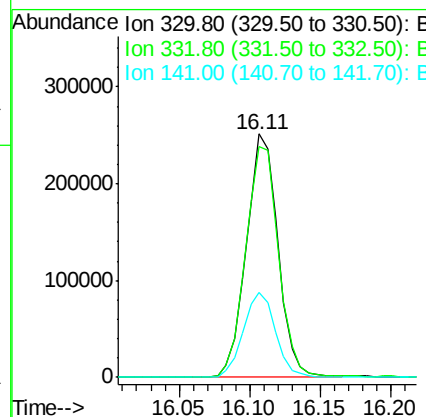
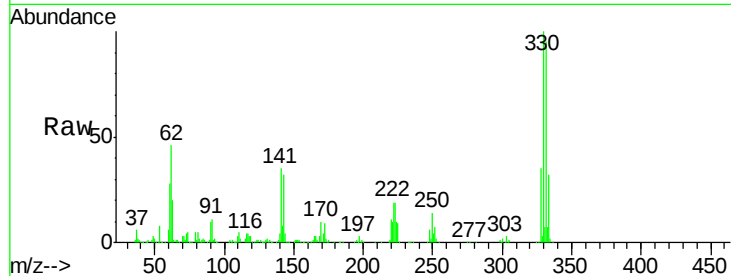




#42
 2,4,6-Tribromophenol
 Concen: 94.626 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. -0.01 min
 Lab File: BG045318.D
 Acq: 12 May 2020 6:43

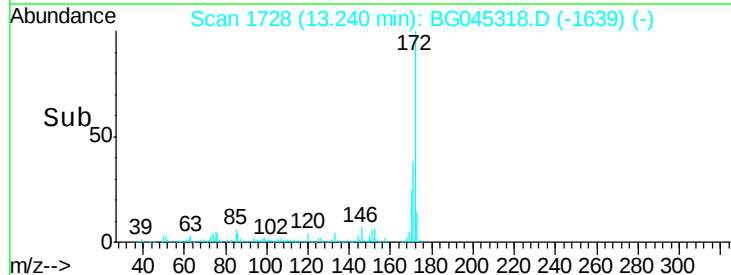
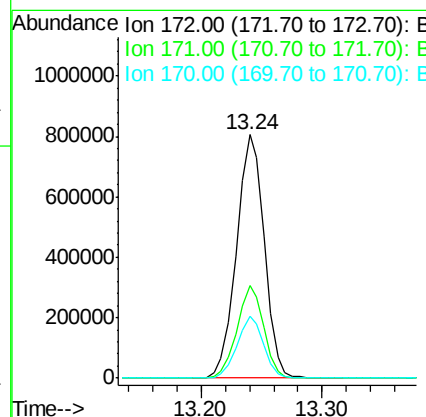
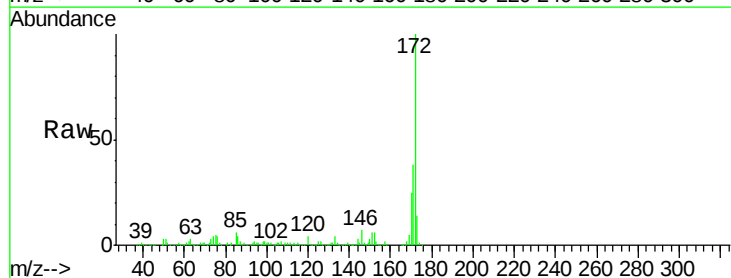
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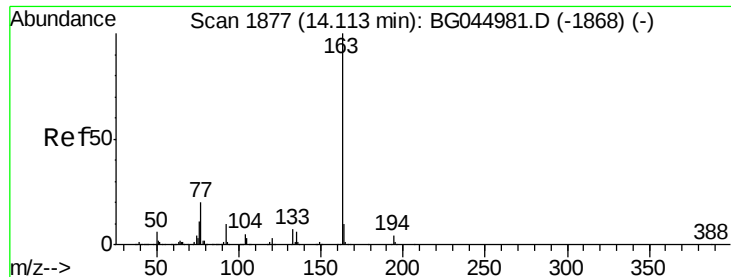
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	79.1	118.7
141	35.7	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 69.961 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. -0.01 min
 Lab File: BG045318.D
 Acq: 12 May 2020 6:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.6	46.0
170	25.2	20.5	30.7





#50

Dimethylphthalate

Concen: 10.034 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Instrument :

BNA_G

ClientSampleId :

TP-14A

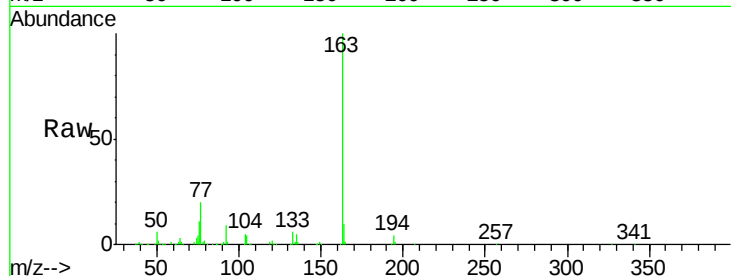
Tot Ion:163 Resp: 220526

Ion Ratio Lower Upper

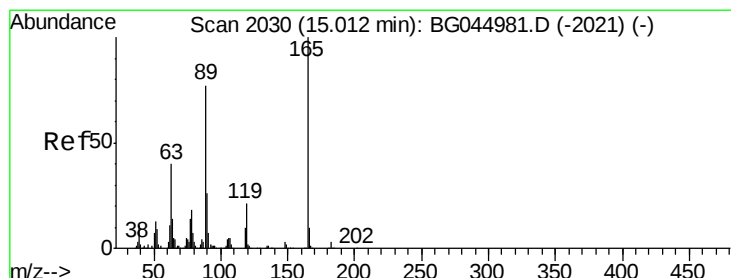
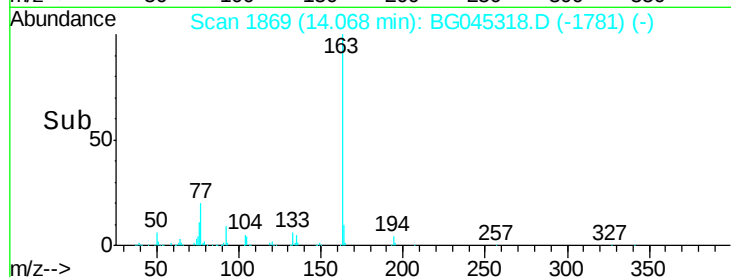
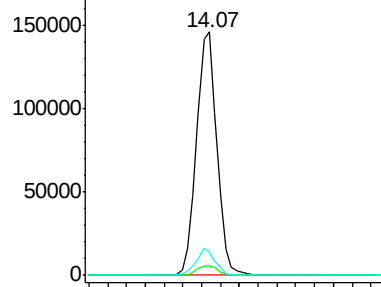
163 100

194 4.1 3.5 5.3

164 9.7 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: 4.977 ng

RT: 14.61 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Tgt Ion:165 Resp: 35755

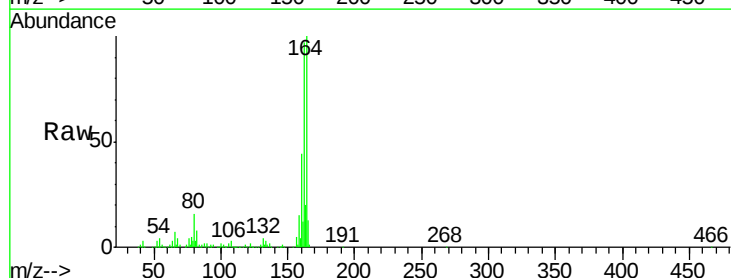
Ion Ratio Lower Upper

165 100

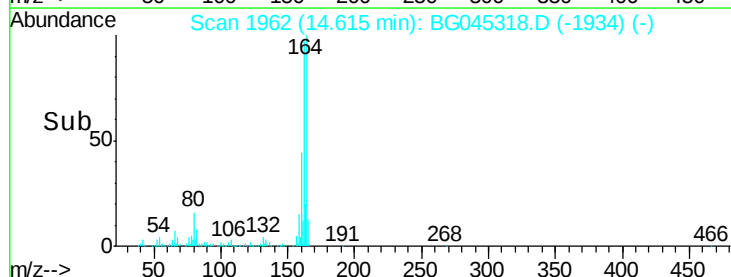
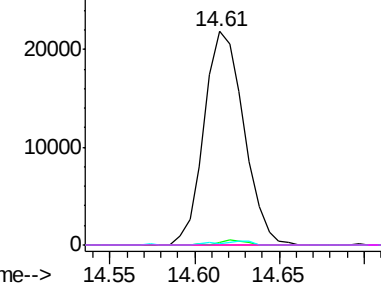
63 1.4 32.2 48.2#

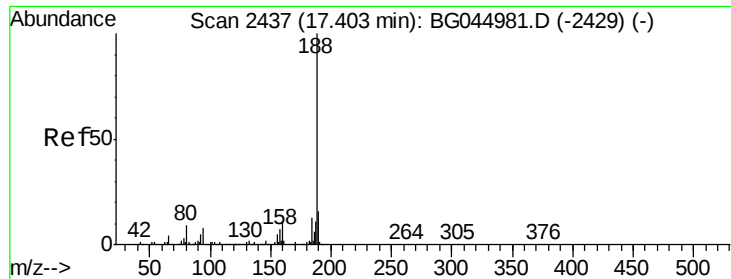
89 0.7 61.7 92.5#

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: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Instrument :

BNA_G

ClientSampled :

TP-14A

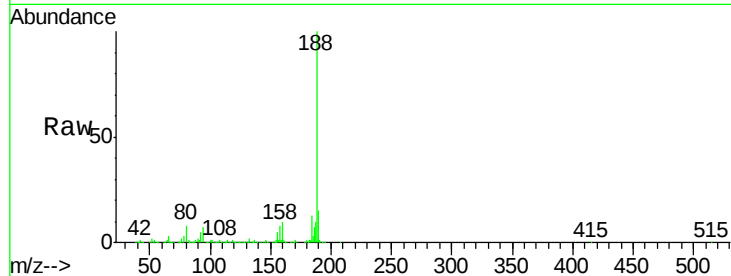
Tot Ion:188 Resp: 579633

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

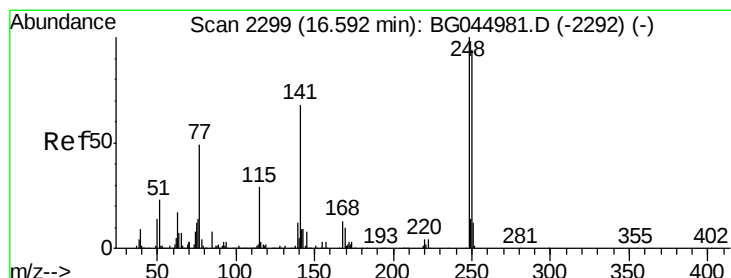
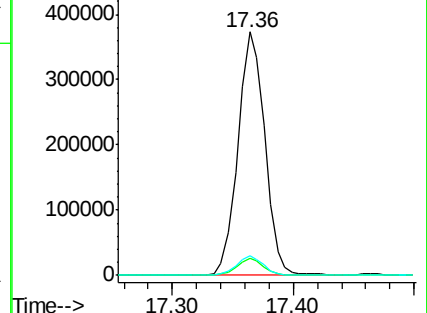
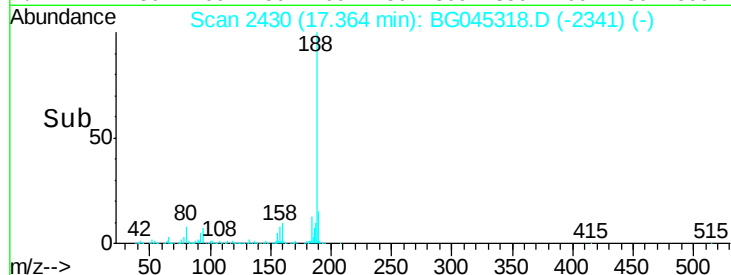
80 8.0 7.0 10.6



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: 3.544 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.45 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

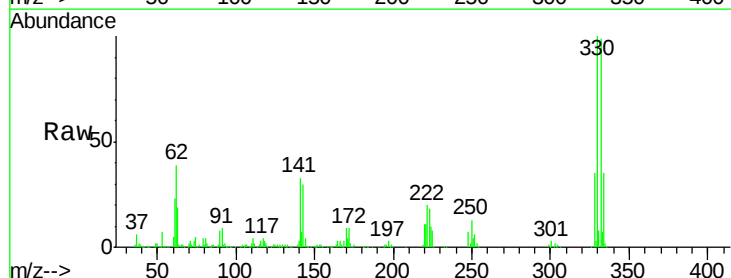
Tgt Ion:248 Resp: 26498

Ion Ratio Lower Upper

248 100

250 182.7 75.4 113.2#

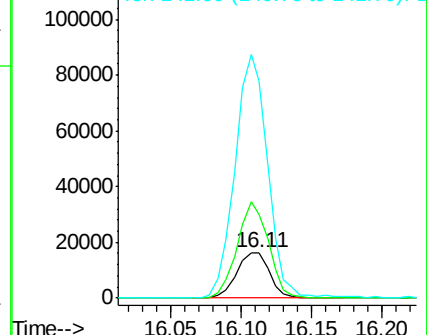
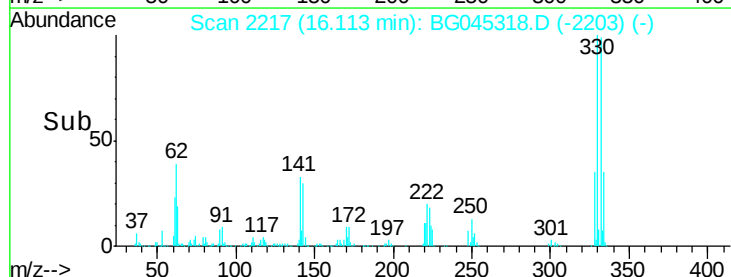
141 474.0 54.4 81.6#

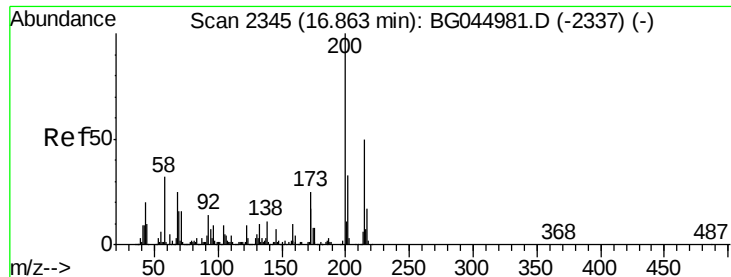


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.86 min Scan# 2345

Delta R.T. 0.04 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Instrument :

BNA_G

ClientSampled :

TP-14A

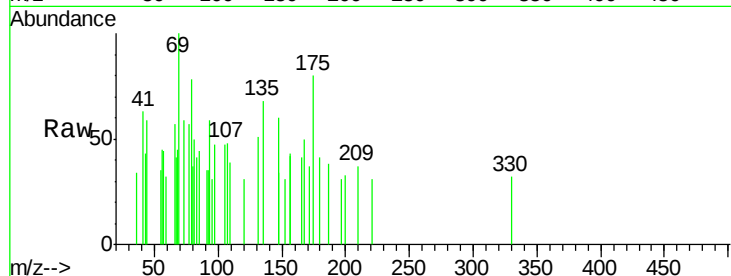
Tot Ion:200 Resp: 56

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

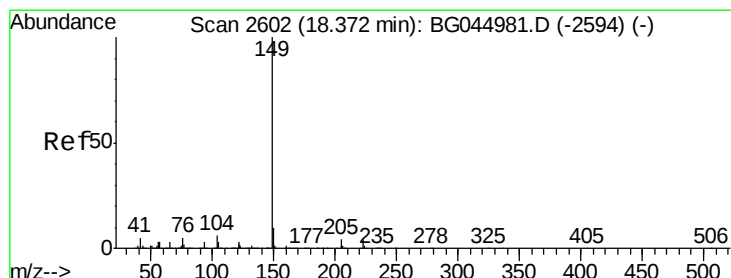
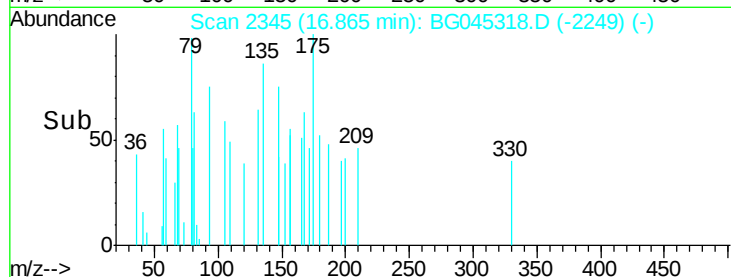
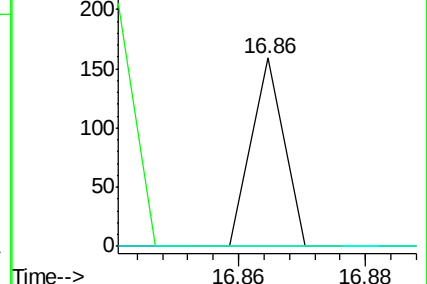
215 0.0 30.0 70.0#



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: 18.33 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

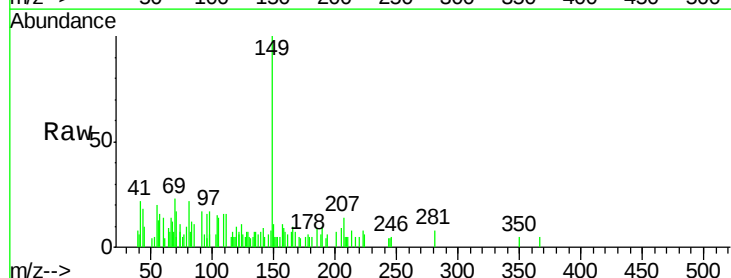
Tgt Ion:149 Resp: 4974

Ion Ratio Lower Upper

149 100

150 10.5 8.2 12.2

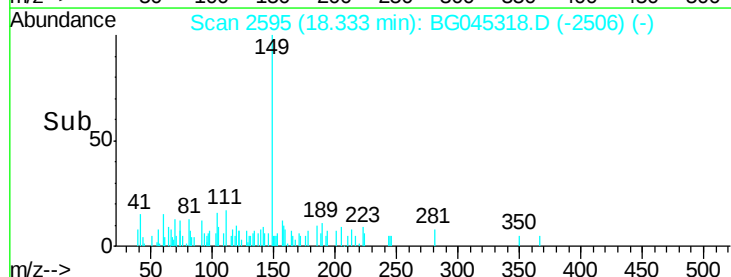
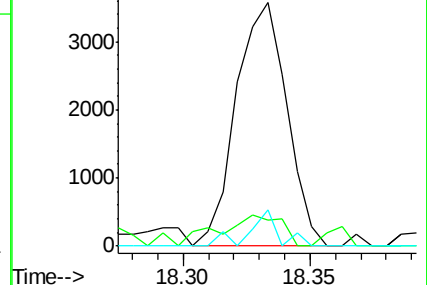
104 15.1 4.8 7.2#

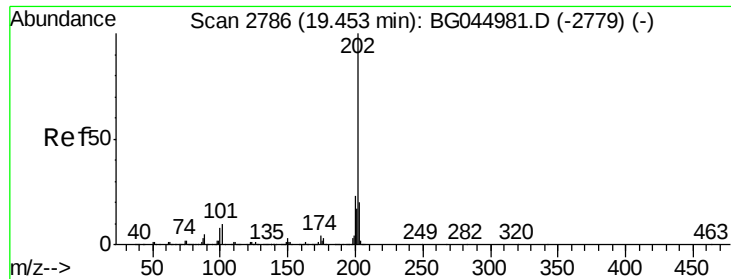


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2780

Delta R.T. -0.01 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Instrument :

BNA_G

ClientSampleId :

TP-14A

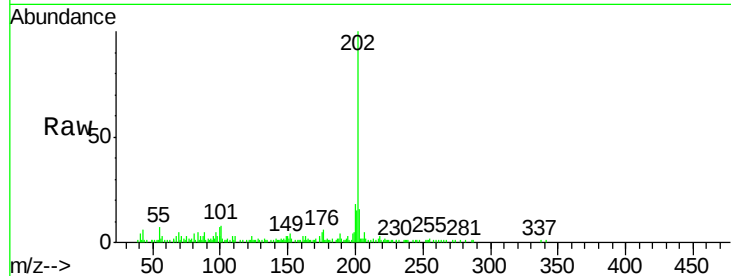
Tot Ion:202 Resp: 37387

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.6

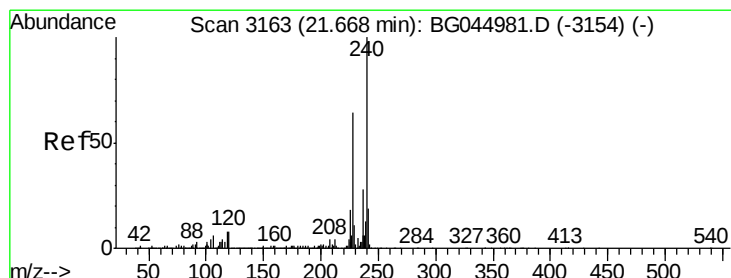
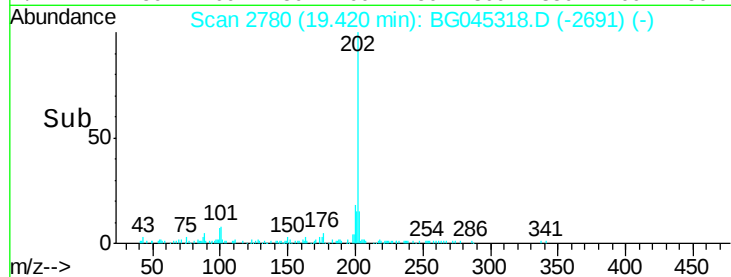
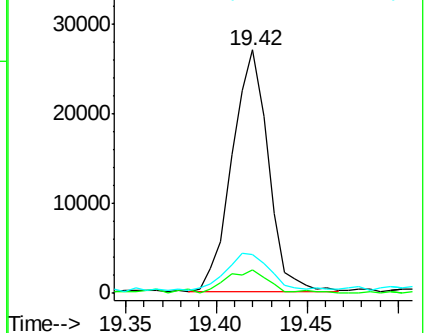
203 15.9 0.0 39.7



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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

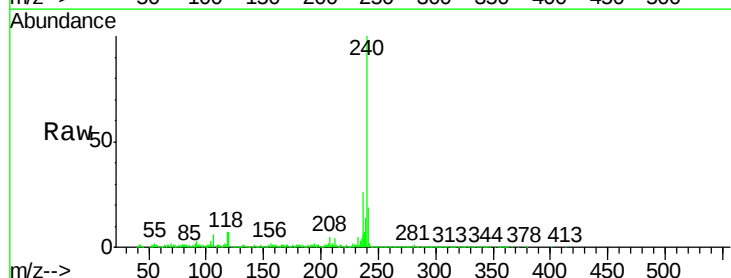
Tgt Ion:240 Resp: 478017

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

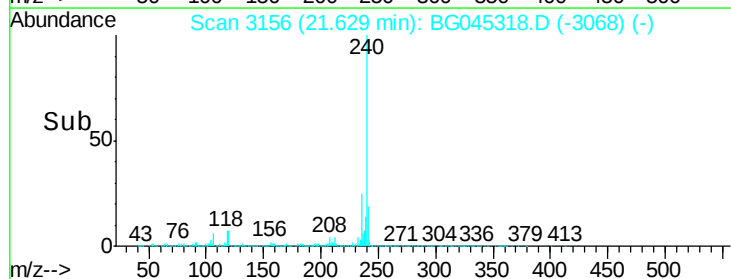
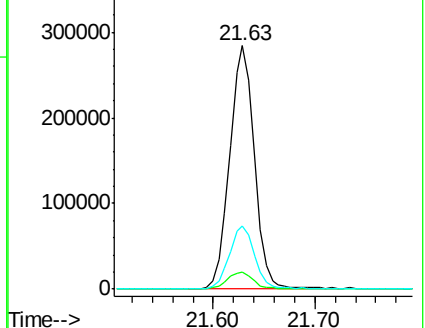
236 25.7 22.2 33.2



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: 19.98 min Scan# 2876

Delta R.T. 0.38 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

Instrument :

BNA_G

ClientSampleId :

TP-14A

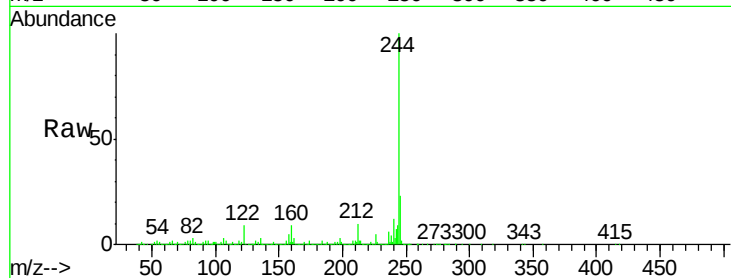
Tot Ion:184 Resp: 34492

Ion Ratio Lower Upper

184 100

185 17.0 12.6 19.0

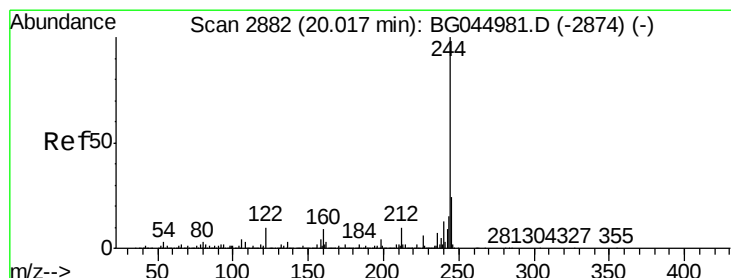
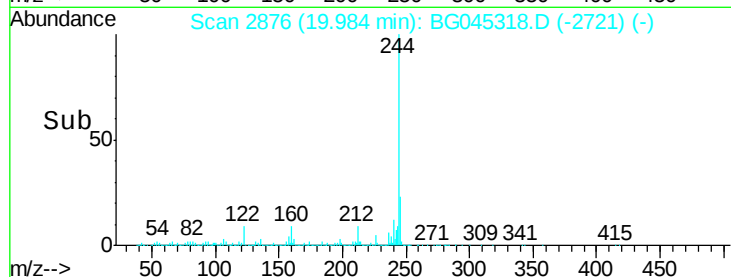
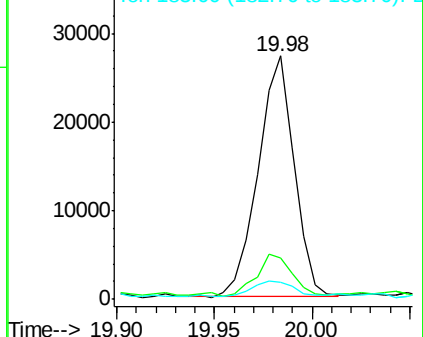
183 7.2 11.3 16.9#



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: 80.530 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.01 min

Lab File: BG045318.D

Acq: 12 May 2020 6:43

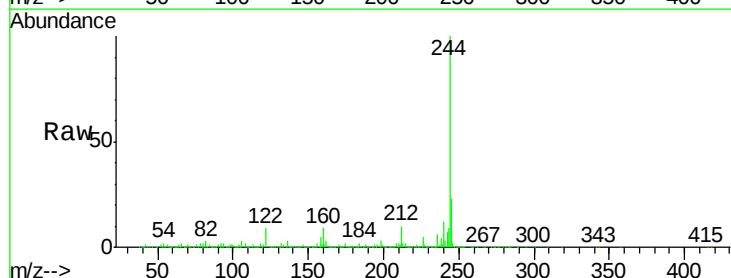
Tgt Ion:244 Resp: 1766159

Ion Ratio Lower Upper

244 100

212 9.6 7.9 11.9

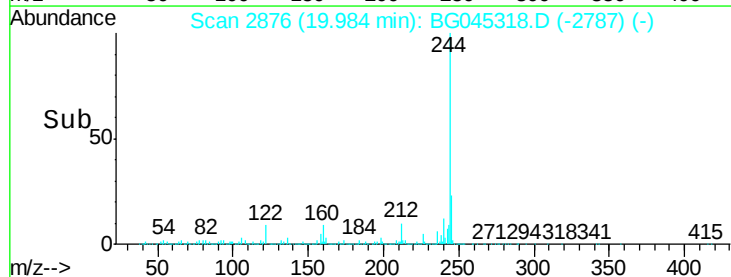
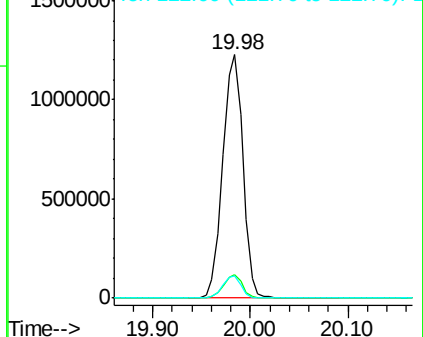
122 8.9 7.7 11.5

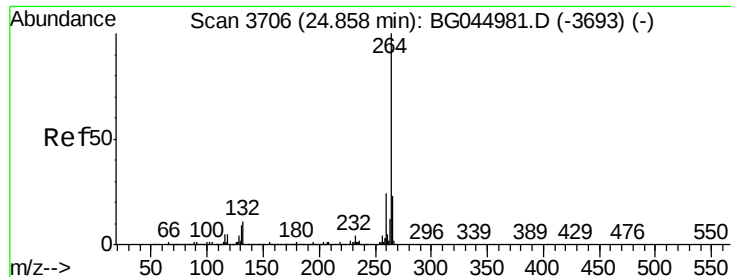


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.79 min Scan# 3695
Delta R.T. -0.01 min
Lab File: BG045318.D
Acq: 12 May 2020 6:43

Instrument :
BNA_G
ClientSampleId :
TP-14A

Tot Ion:	264	Resp:	521533
Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.8	19.0	28.4

