

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050120\
 Data File : BG045224.D
 Acq On : 1 May 2020 20:17
 Operator : CG/JU
 Sample : L2452-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 04:52:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 01 11:17:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	69530	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	251180	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	190731	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	477496	20.00	ng	0.00
76) Chrysene-d12	21.64	240	476170	20.00	ng	0.00
87) Perylene-d12	24.82	264	499044	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.56	112	492169	116.86	ng	0.00
7) Phenol-d6	7.16	99	605713	96.80	ng	0.00
23) Nitrobenzene-d5	9.15	82	529512	96.19	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	404904	137.42	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1226020	94.26	ng	0.00
79) Terphenyl-d14	20.00	244	2153687	98.58	ng	0.00

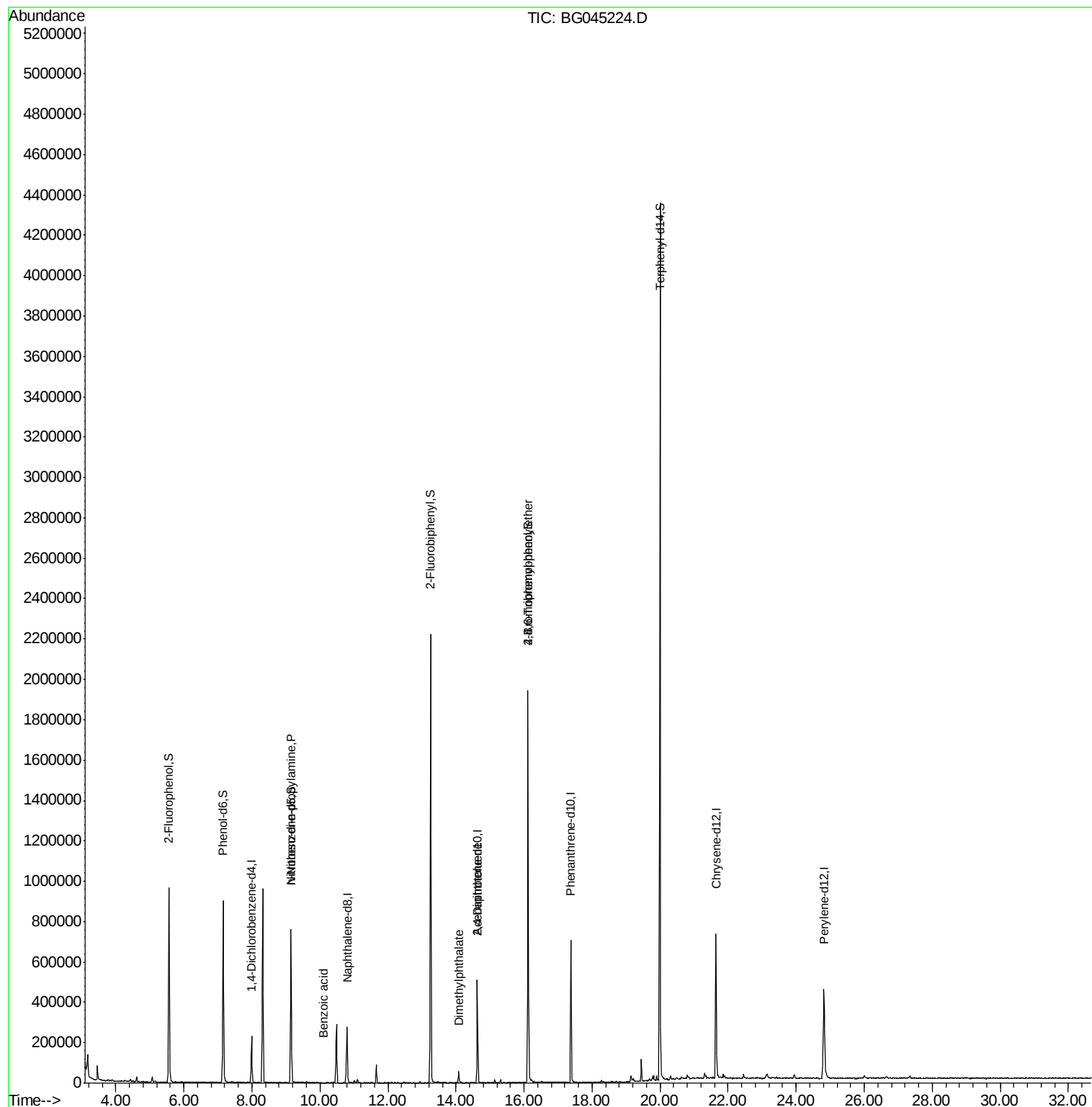
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	1361	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	70388	15.906	ng	84
32) Benzoic acid	10.12	122	57	6.390	ng	1
50) Dimethylphthalate	14.08	163	42902	2.762	ng	96
57) 2,4-Dinitrotoluene	14.63	165	26016	5.125	ng	22
67) 4-Bromophenyl-phenylether	16.12	248	26736	4.340	ng	1
74) Di-n-butylphthalate	18.35	149	1834	Below Cal	#	80
75) Fluoranthene	19.47	202	56	Below Cal	#	62
77) Benzidine	20.00	184	43597	Below Cal	#	90

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

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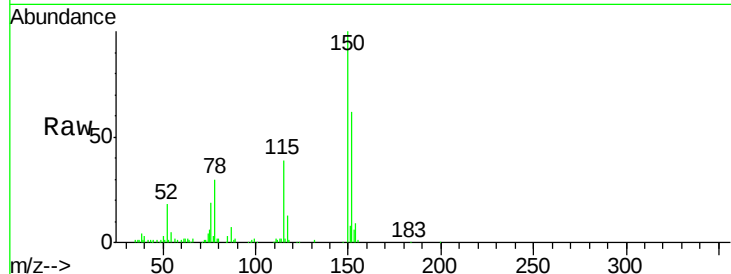


#1

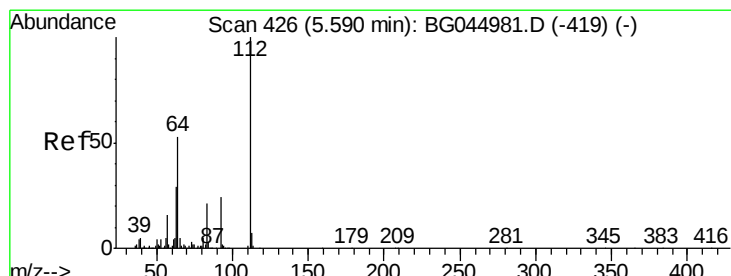
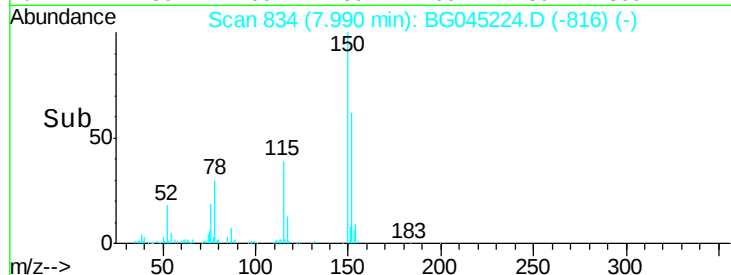
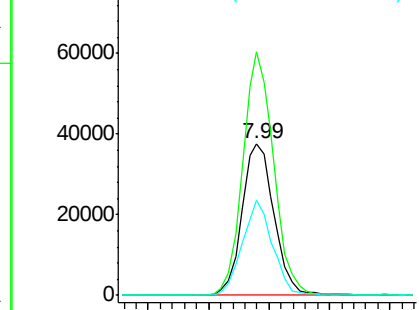
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BG045224.D
Acq: 1 May 2020 20:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.4	123.6	185.4
115	62.4	49.1	73.7



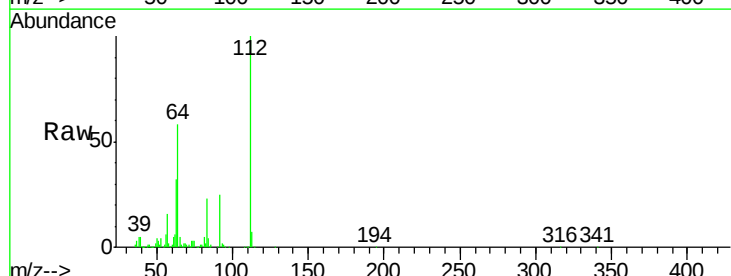
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



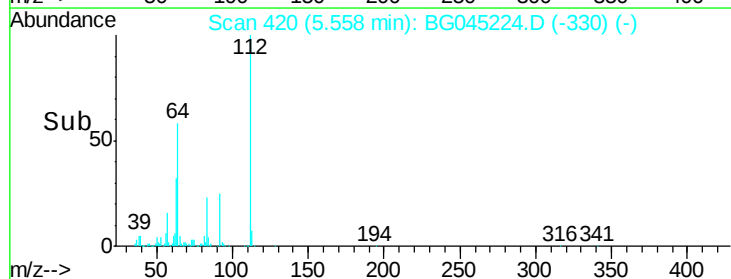
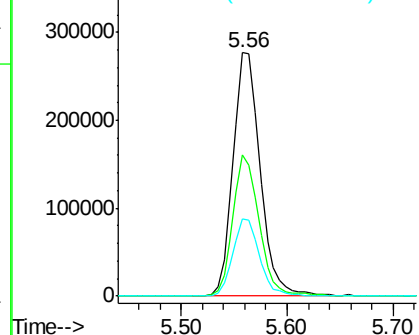
#5

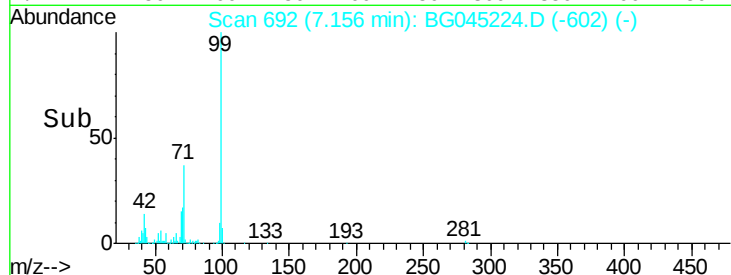
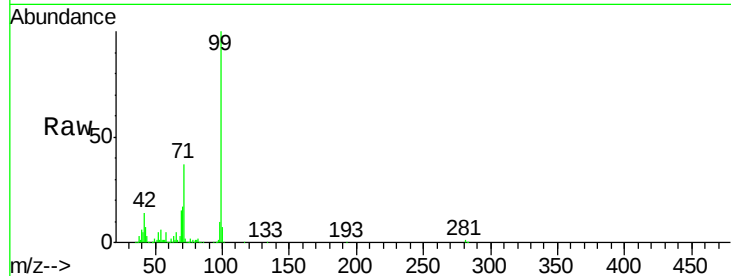
2-Fluorophenol
Concen: 116.862 ng
RT: 5.56 min Scan# 420
Delta R.T. -0.00 min
Lab File: BG045224.D
Acq: 1 May 2020 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	42.4	63.6
63	31.9	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: 96.801 ng

RT: 7.16 min Scan# 692

Delta R.T. -0.00 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

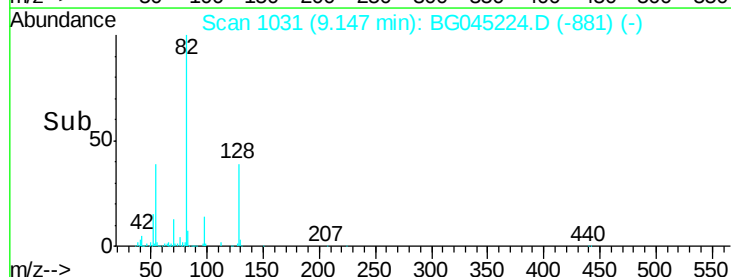
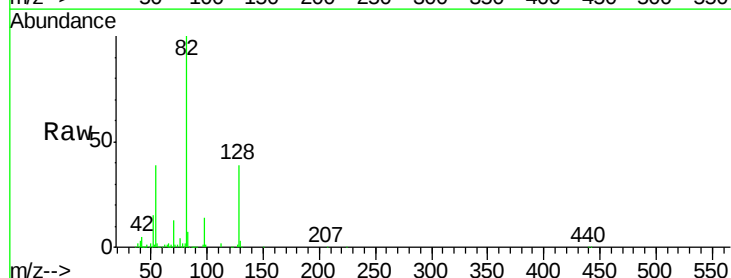
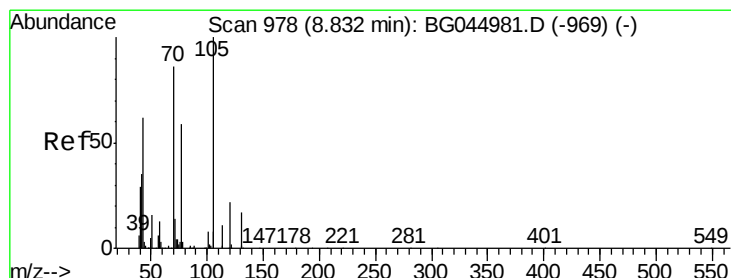
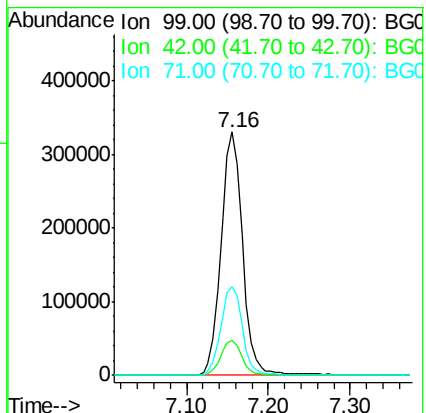
Tot Ion: 99 Resp: 605713

Ion Ratio Lower Upper

99 100

42 14.2 11.3 16.9

71 36.7 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 15.906 ng

RT: 9.15 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

Tgt Ion: 70 Resp: 70388

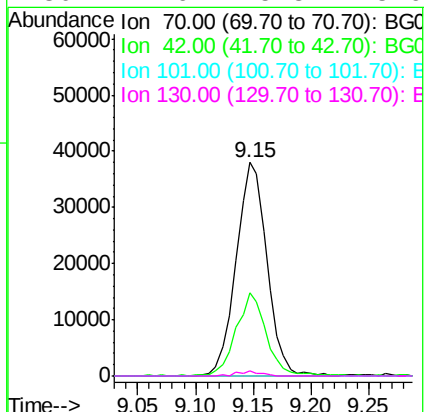
Ion Ratio Lower Upper

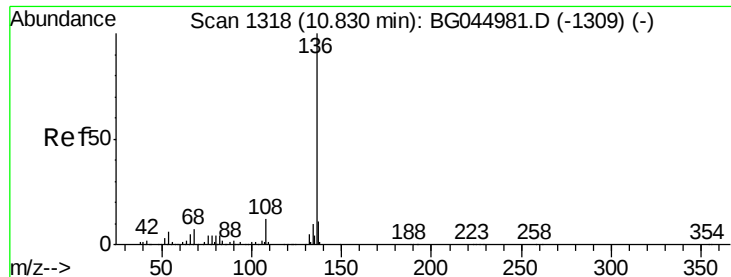
70 100

42 39.0 33.3 49.9

101 0.0 7.8 11.8#

130 2.6 15.8 23.6#

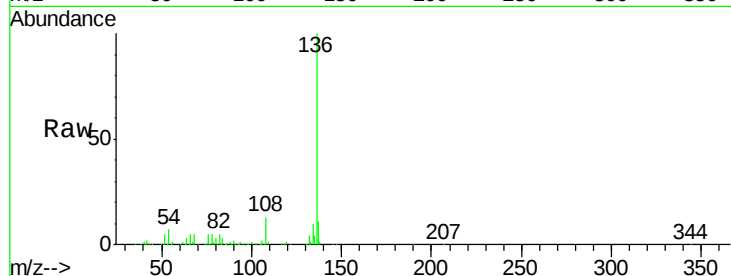




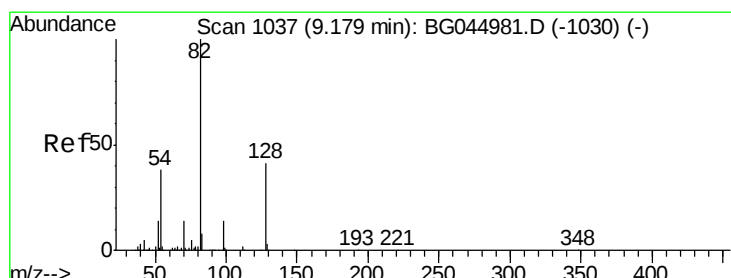
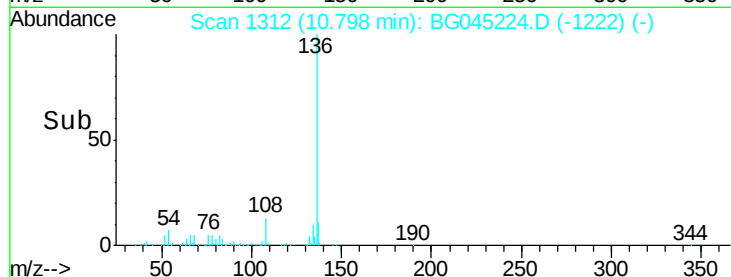
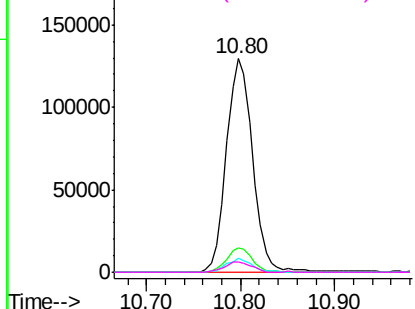
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BG045224.D
Acq: 1 May 2020 20:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	251180
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.6	13.0
54 6.7	4.8	7.2
68 5.1	5.2	7.8#

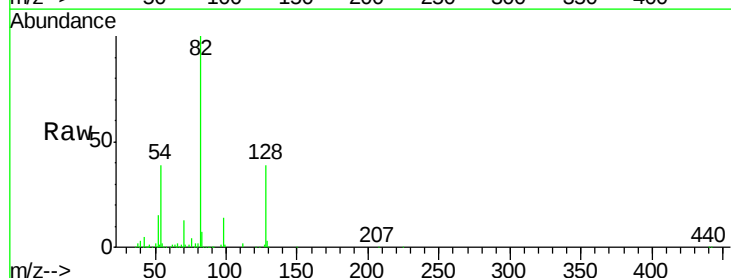


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

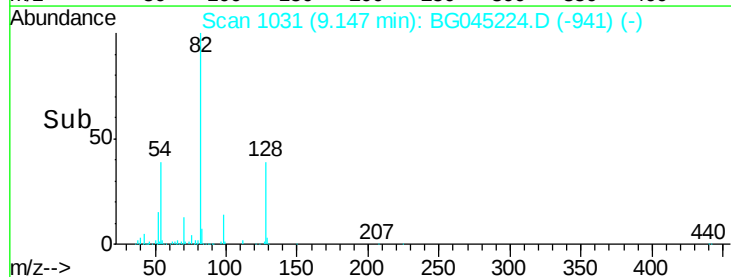
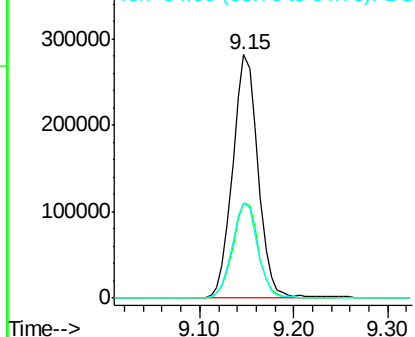


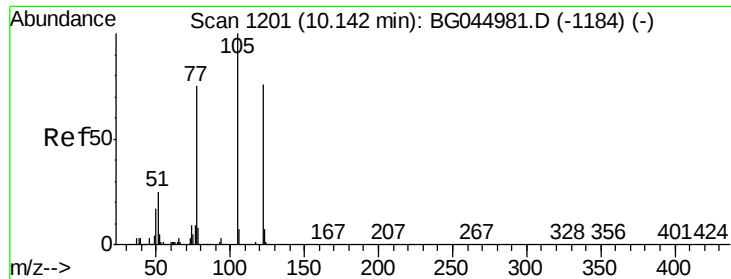
#23
Nitrobenzene-d5
Concen: 96.190 ng
RT: 9.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BG045224.D
Acq: 1 May 2020 20:17

Tgt	Ion: 82	Resp:	529512
Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.0	49.4
54	39.0	30.4	45.6



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





#32

Benzoic acid

Concen: 6.390 ng

RT: 10.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

Instrument :

BNA_G

ClientSampleId :

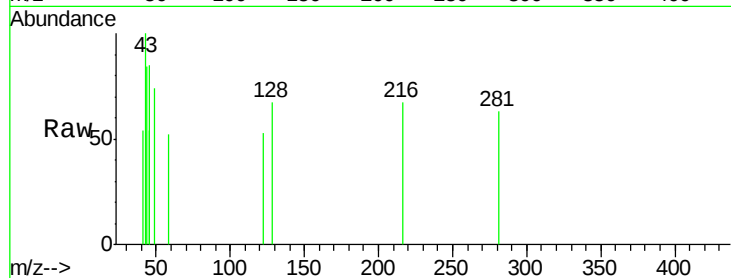
Tot Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

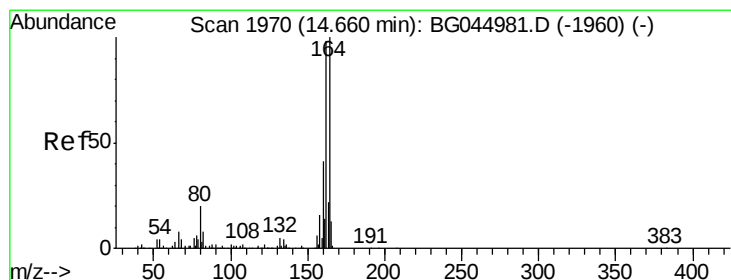
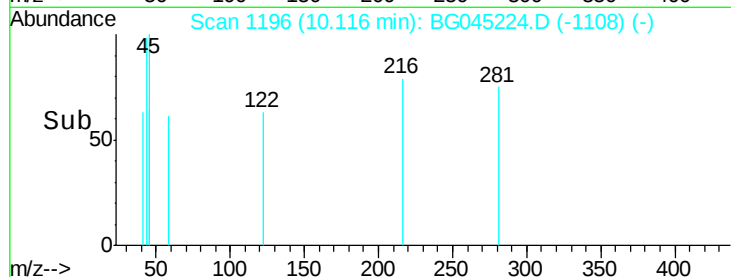
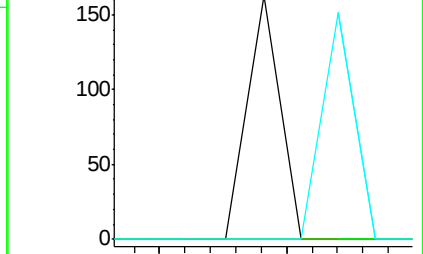
77 0.0 78.8 118.8#



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): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.01 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

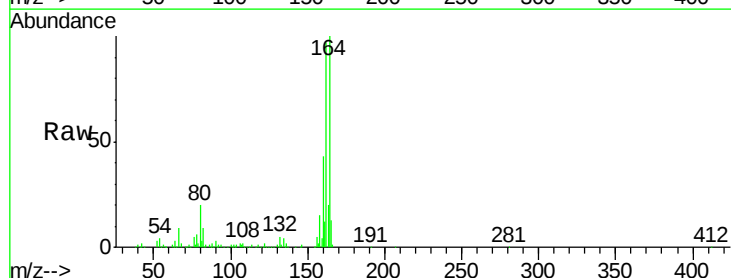
Tgt Ion:164 Resp: 190731

Ion Ratio Lower Upper

164 100

162 96.6 78.7 118.1

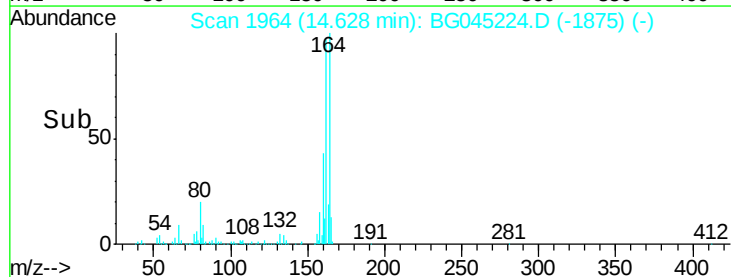
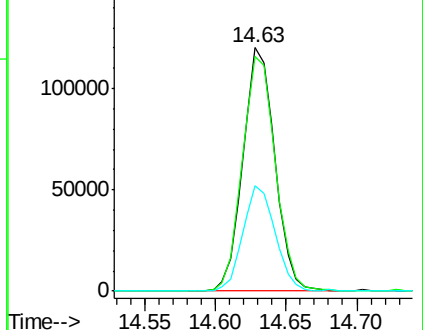
160 43.3 32.8 49.2

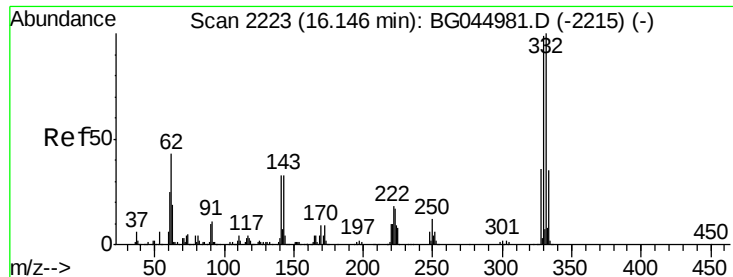


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

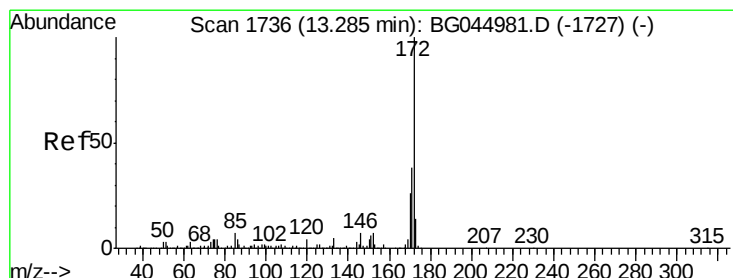
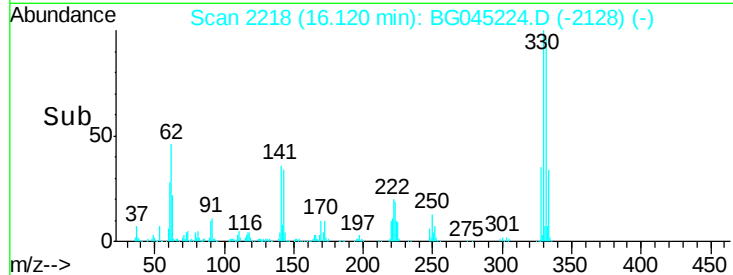
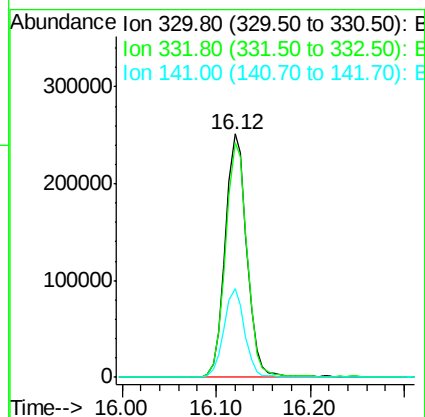
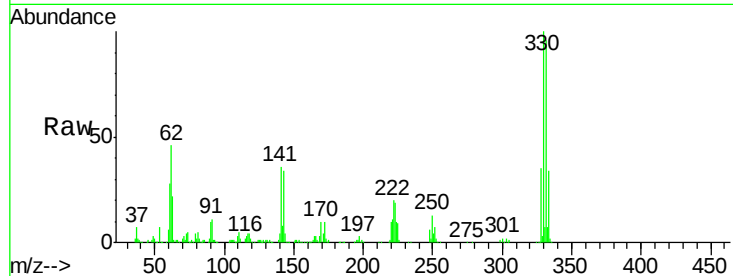




#42
 2,4,6-Tribromophenol
 Concen: 137.417 ng
 RT: 16.12 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: BG045224.D
 Acq: 1 May 2020 20:17

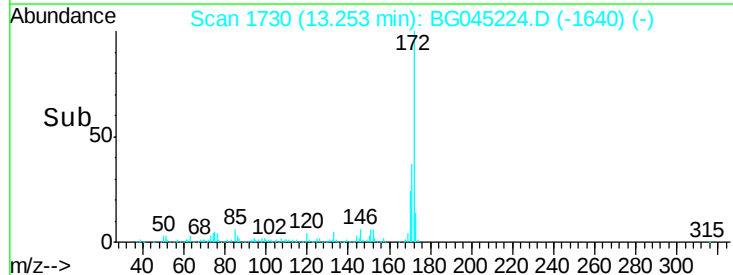
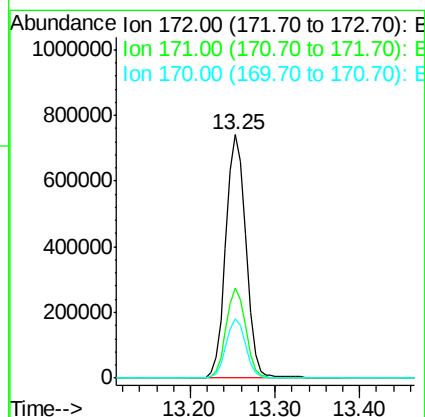
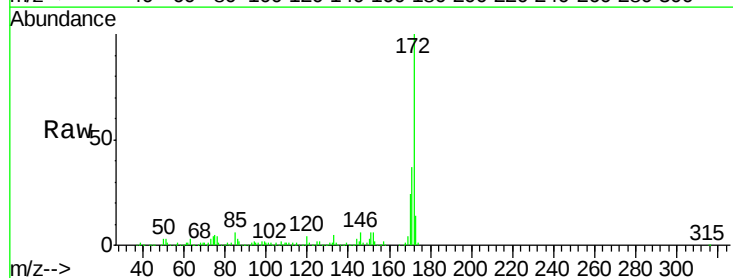
Instrument :
 BNA_G
 ClientSampleId :

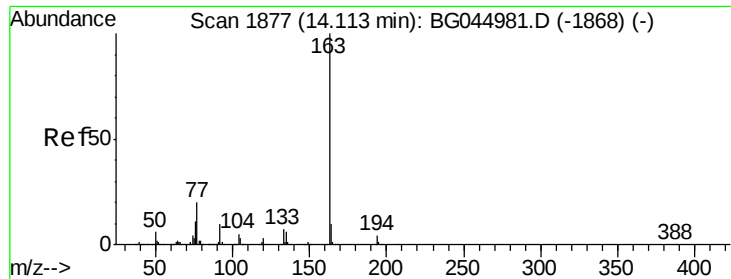
Tot Ion:330 Resp: 404904
 Ion Ratio Lower Upper
 330 100
 332 96.3 79.1 118.7
 141 34.7 27.1 40.7



#45
 2-Fluorobiphenyl
 Concen: 94.255 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.00 min
 Lab File: BG045224.D
 Acq: 1 May 2020 20:17

Tgt Ion:172 Resp: 1226020
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.6 46.0
 170 24.5 20.5 30.7





#50

Dimethylphthalate

Concen: 2.762 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

Instrument :

BNA_G

ClientSampleId :

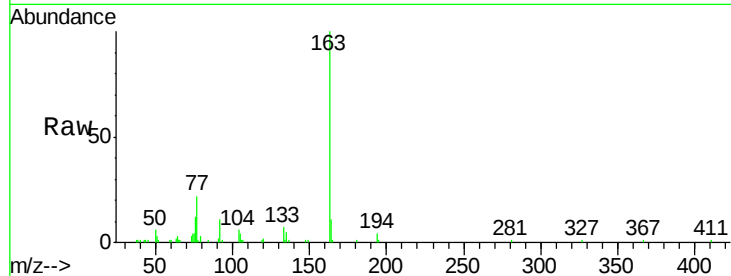
Tot Ion:163 Resp: 42902

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

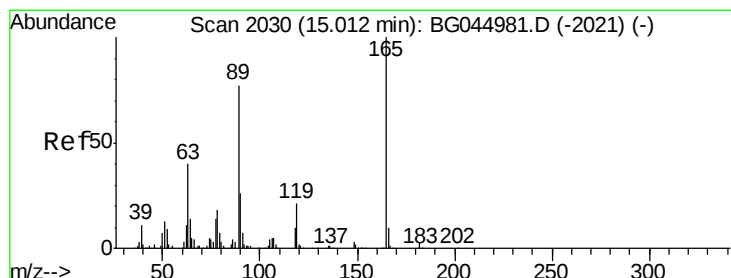
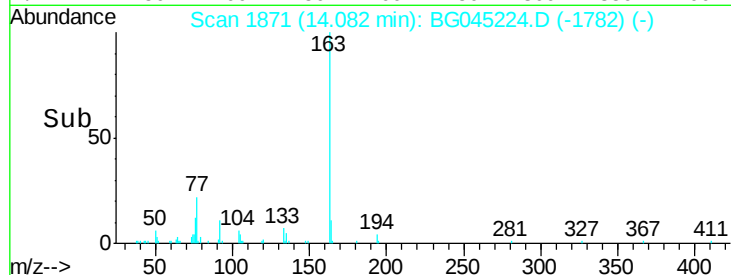
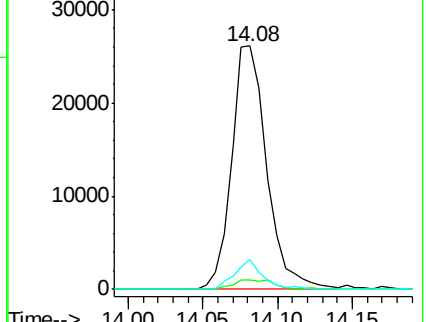
164 12.2 8.2 12.4



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: 5.125 ng

RT: 14.63 min Scan# 1965

Delta R.T. -0.36 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

Tgt Ion:165 Resp: 26016

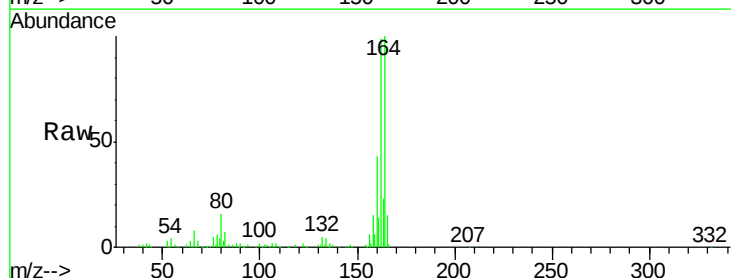
Ion Ratio Lower Upper

165 100

63 0.0 32.2 48.2#

89 1.6 61.7 92.5#

182 0.0 2.0 3.0#

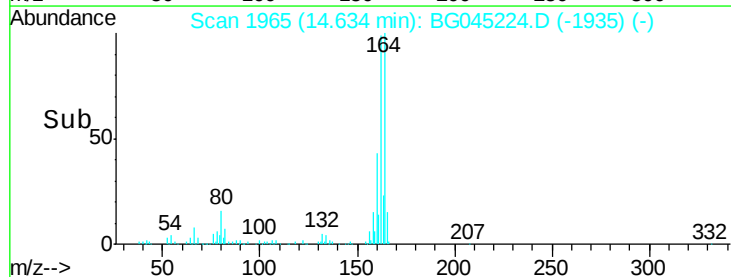
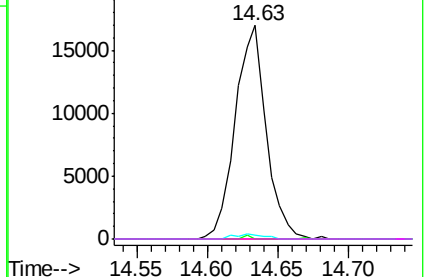


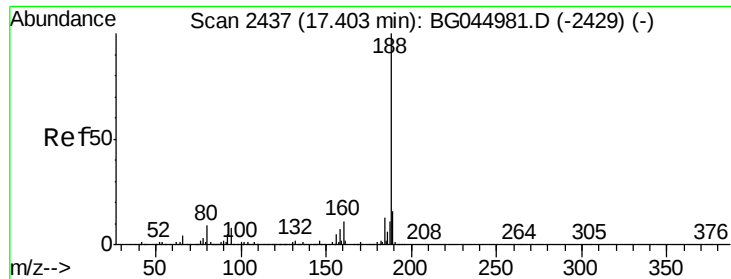
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.38 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

Instrument :

BNA_G

ClientSampleId :

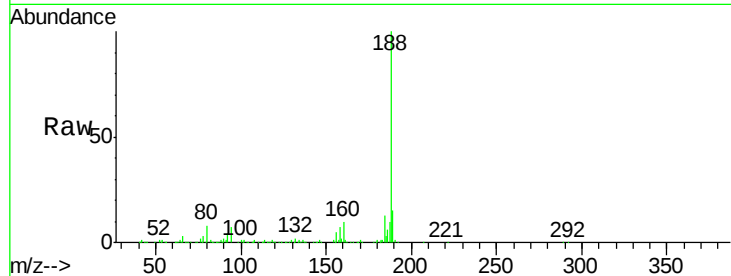
Tot Ion:188 Resp: 477496

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

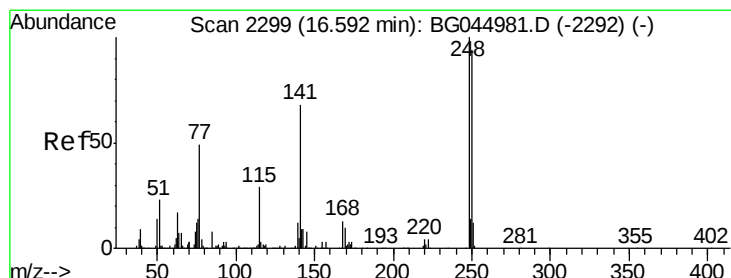
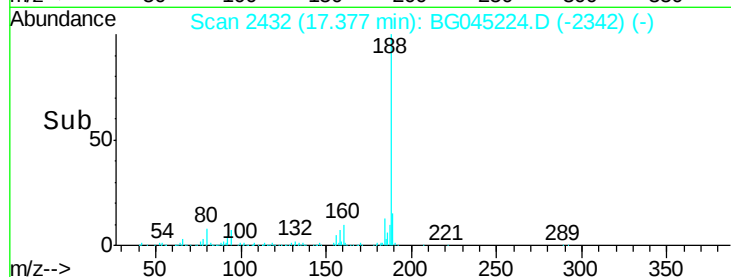
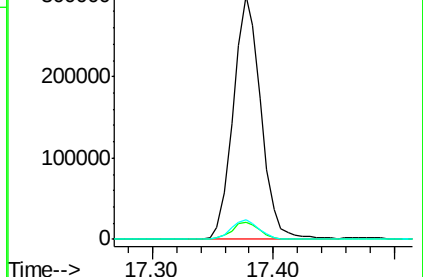
80 8.0 7.0 10.6



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: 4.340 ng

RT: 16.12 min Scan# 2218

Delta R.T. -0.45 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

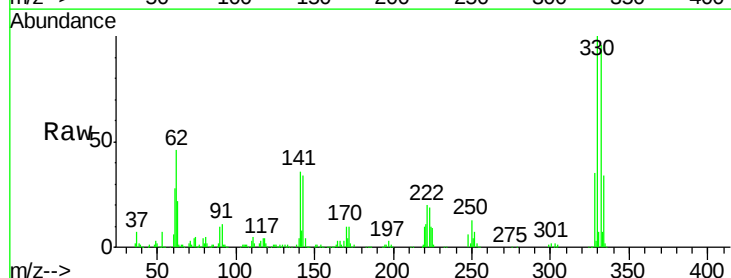
Tgt Ion:248 Resp: 26736

Ion Ratio Lower Upper

248 100

250 205.2 75.4 113.2#

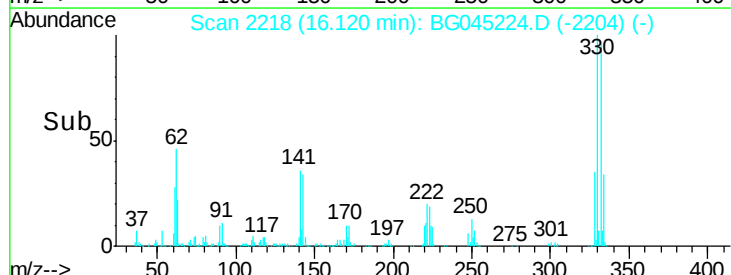
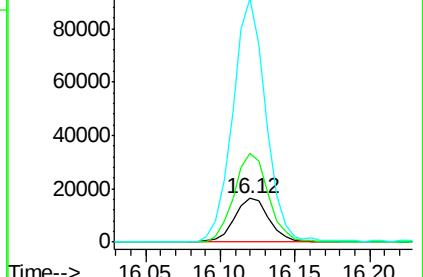
141 561.1 54.4 81.6#

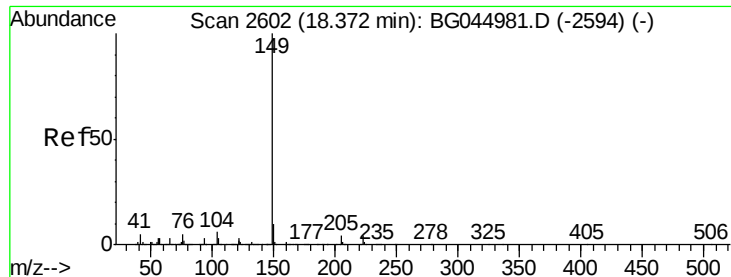


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.35 min Scan# 2598

Delta R.T. 0.00 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

Instrument :

BNA_G

ClientSampleId :

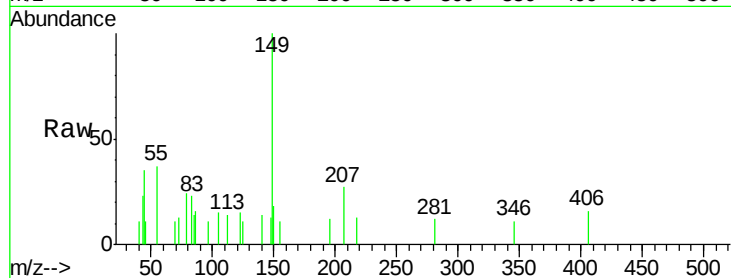
Tot Ion:149 Resp: 1834

Ion Ratio Lower Upper

149 100

150 17.9 8.2 12.2#

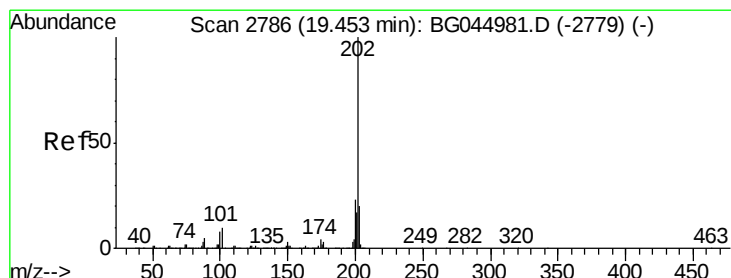
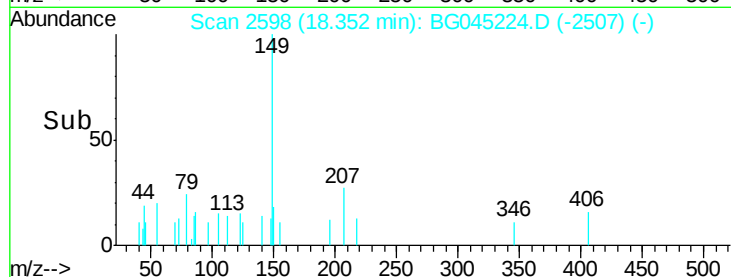
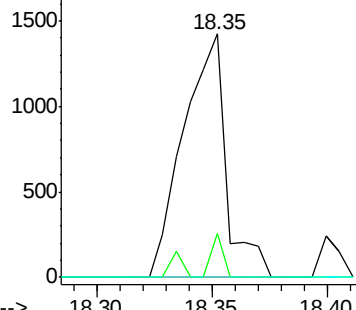
104 0.0 4.8 7.2#



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: 19.47 min Scan# 2788

Delta R.T. 0.03 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

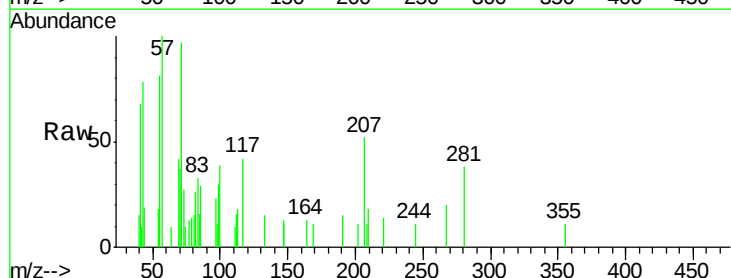
Tgt Ion:202 Resp: 56

Ion Ratio Lower Upper

202 100

101 0.0 0.0 29.6

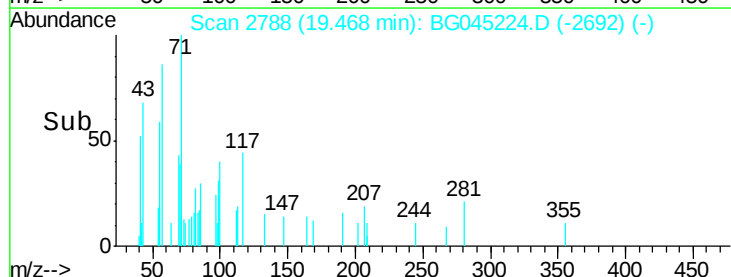
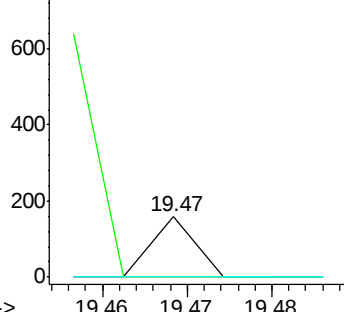
203 0.0 0.0 39.7

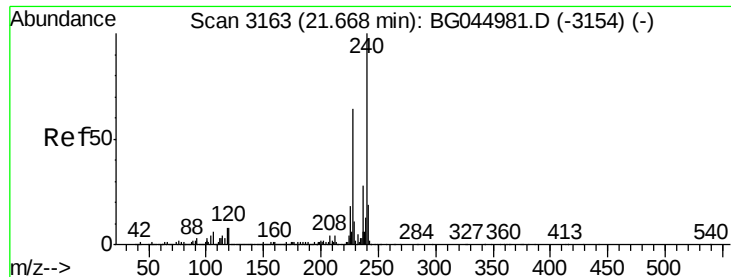


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

Instrument :

BNA_G

ClientSampleId :

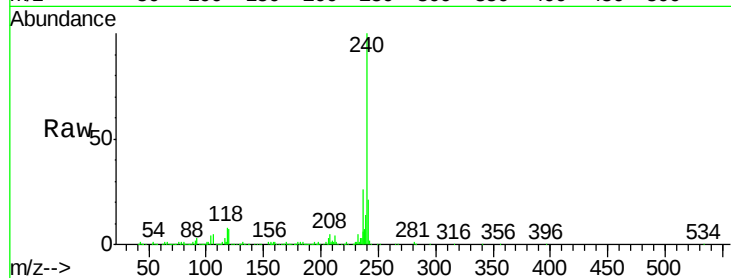
Tot Ion:240 Resp: 476170

Ion Ratio Lower Upper

240 100

120 7.0 6.6 10.0

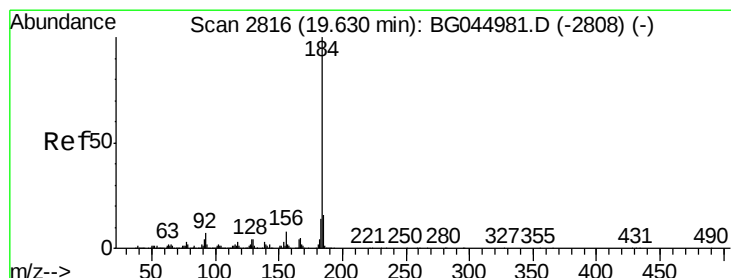
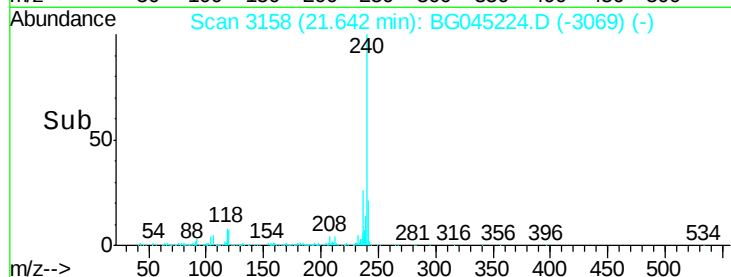
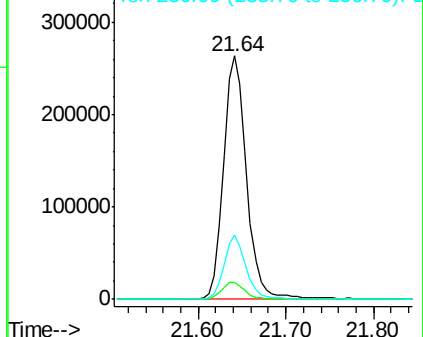
236 26.4 22.2 33.2



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: 20.00 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG045224.D

Acq: 1 May 2020 20:17

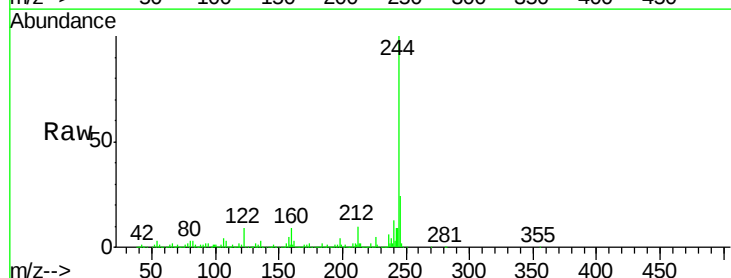
Tgt Ion:184 Resp: 43597

Ion Ratio Lower Upper

184 100

185 16.6 12.6 19.0

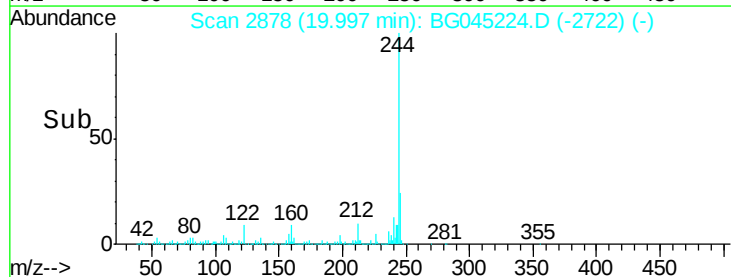
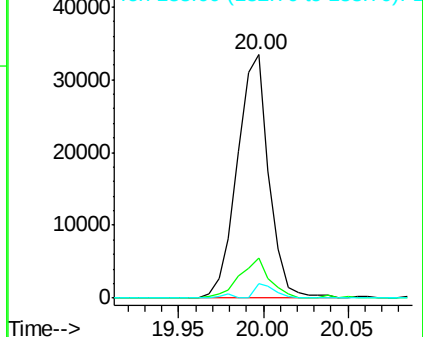
183 6.1 11.3 16.9#

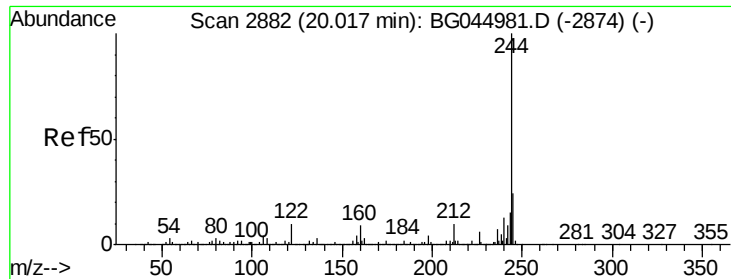


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



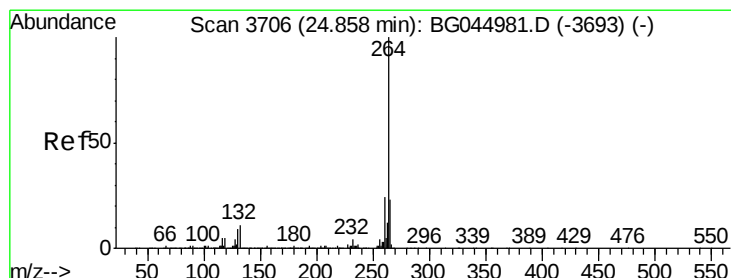
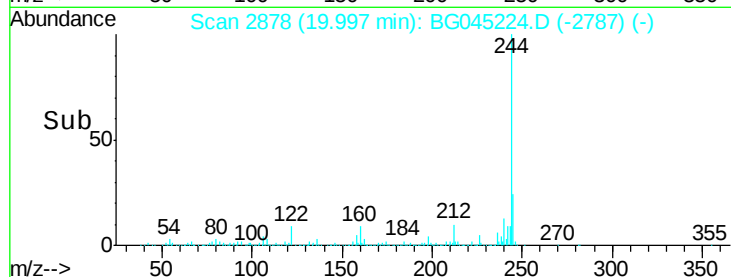
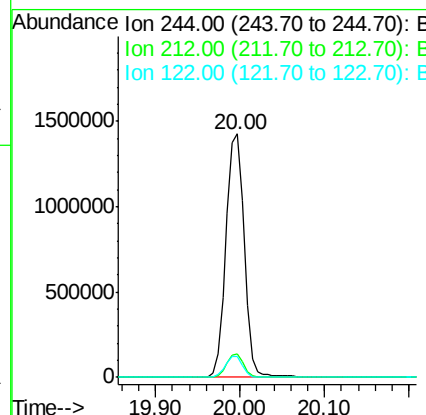
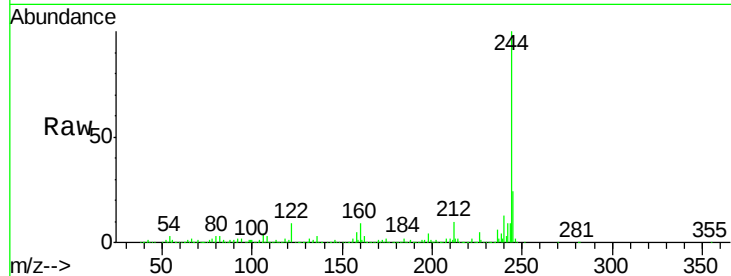


#79
 Terphenyl-d14
 Concen: 98.580 ng
 RT: 20.00 min Scan# 2878
 Delta R.T. 0.00 min
 Lab File: BG045224.D
 Acq: 1 May 2020 20:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 2153687

Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.9	11.9
122	8.7	7.7	11.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.82 min Scan# 3699
 Delta R.T. -0.01 min
 Lab File: BG045224.D
 Acq: 1 May 2020 20:17

Tgt Ion:264 Resp: 499044

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.5	19.0	28.4

