

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051120\
 Data File : BG045306.D
 Acq On : 11 May 2020 21:24
 Operator : CG/JU
 Sample : L2533-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MONOPOLE-FOUNDATION

Quant Time: May 12 00:50:42 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	70693	20.00	ng	0.00
21) Naphthalene-d8	10.79	136	275862	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	195458	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	418890	20.00	ng	0.00
76) Chrysene-d12	21.63	240	431096	20.00	ng	0.00
87) Perylene-d12	24.79	264	498105	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	135	0.03	ng	0.03
7) Phenol-d6	7.15	99	6346	1.00	ng	0.00
23) Nitrobenzene-d5	9.13	82	373919	61.85	ng	0.00
42) 2,4,6-Tribromophenol	16.48	330	61	0.02	ng	0.36
45) 2-Fluorobiphenyl	13.24	172	885970	66.47	ng	0.00
79) Terphenyl-d14	19.98	244	1369502	69.24	ng	0.00

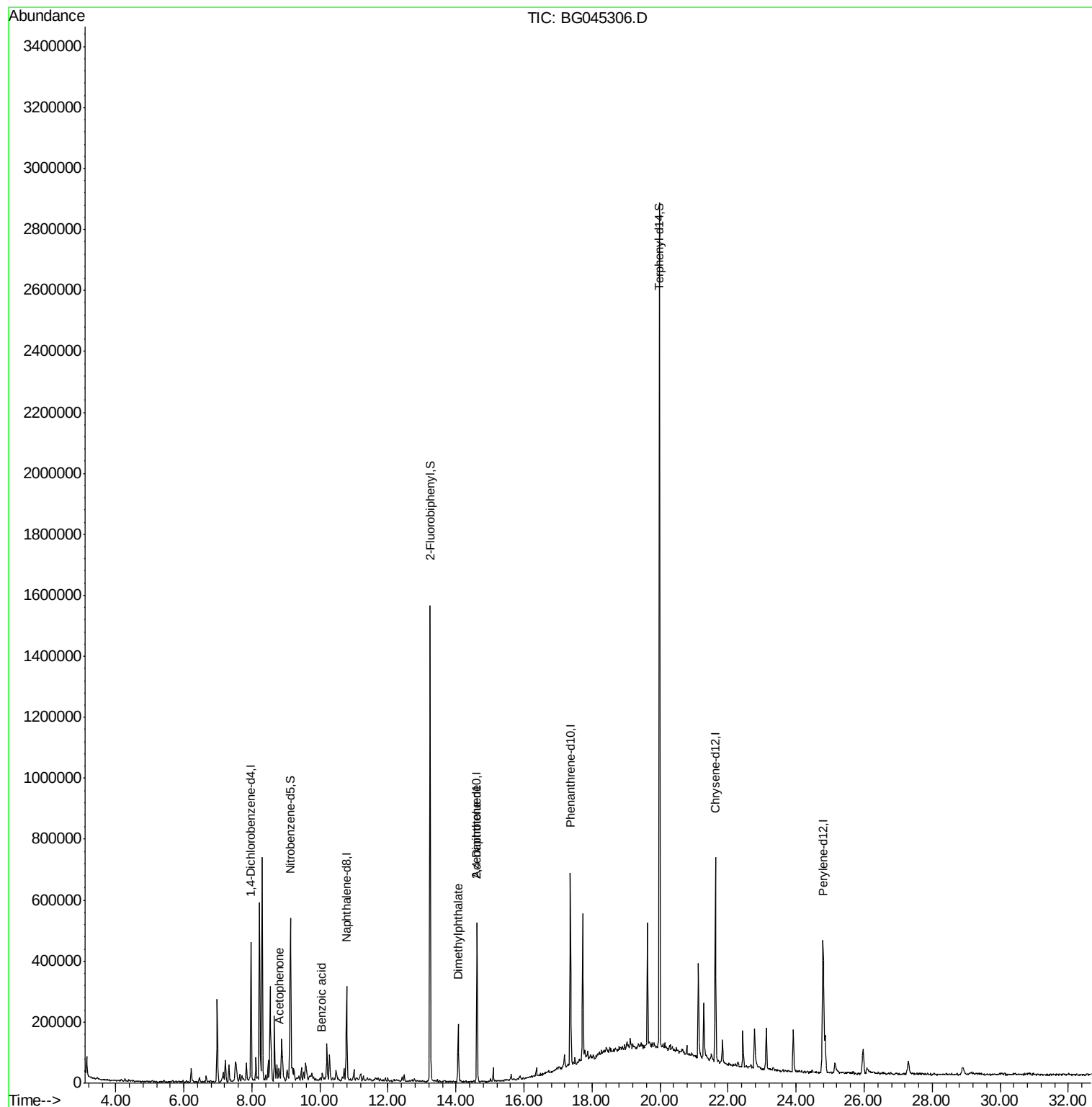
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	1413	Below Cal	#	47
22) Acetophenone	8.80	105	20426	2.738 ng	#	97
32) Benzoic acid	10.05	122	57	6.388 ng	#	1
50) Dimethylphthalate	14.06	163	125078	7.859 ng	#	97
57) 2,4-Dinitrotoluene	14.62	165	26385	5.072 ng	#	22
69) Atrazine	16.78	200	120	Below Cal	#	1
74) Di-n-butylphthalate	18.33	149	4399	Below Cal	#	85
75) Fluoranthene	18.91	202	66	Below Cal	#	62
77) Benzidine	19.98	184	26163	Below Cal	#	91

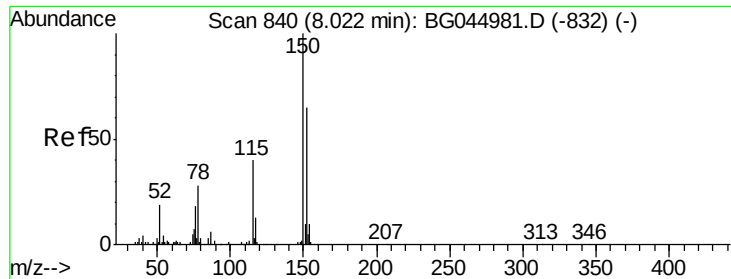
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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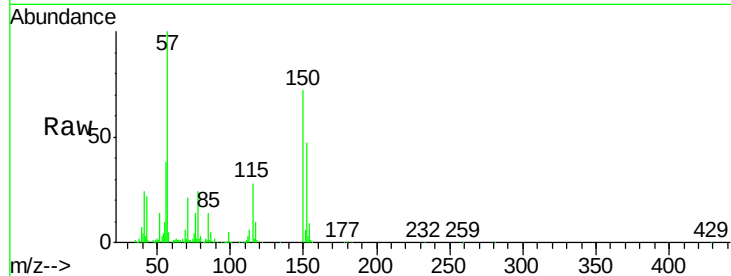


#1

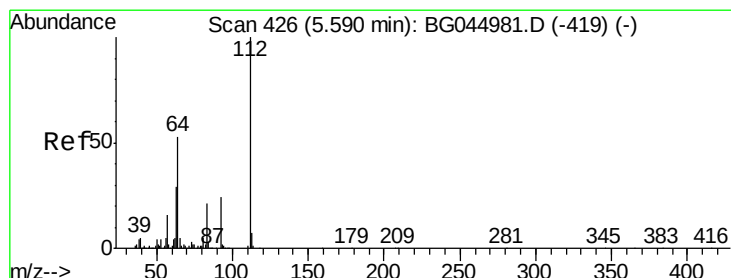
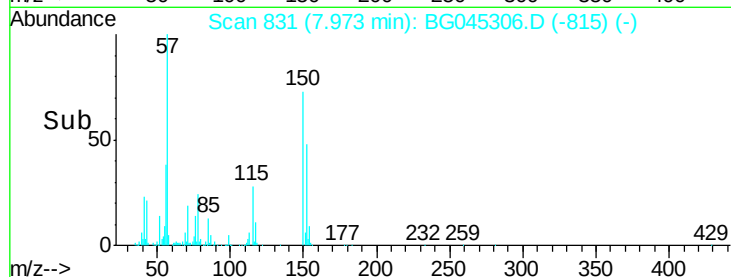
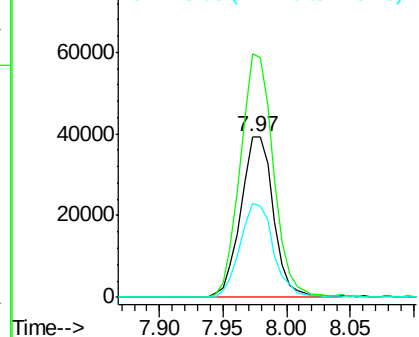
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. -0.01 min
Lab File: BG045306.D
Acq: 11 May 2020 21:24

Instrument :
BNA_G
ClientSampleId :
MONOPOLE-FOUNDATION

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.6	185.4
115	58.0	49.1	73.7



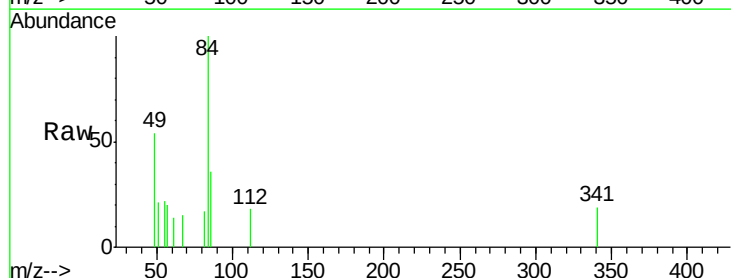
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



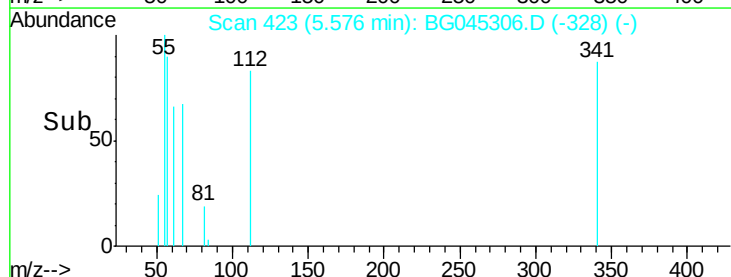
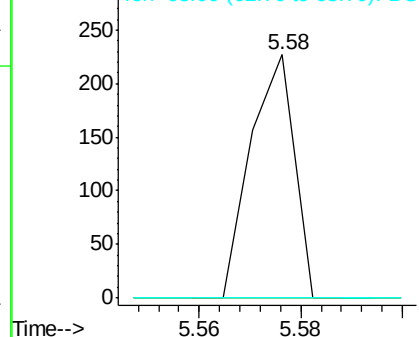
#5

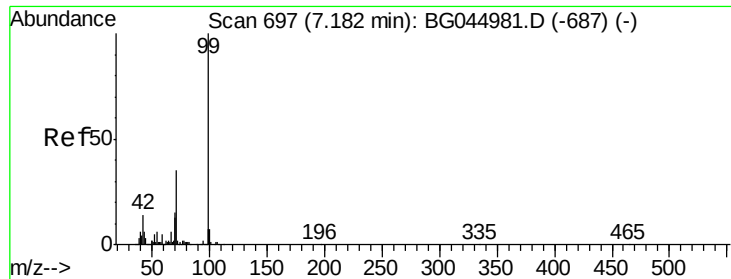
2-Fluorophenol
Concen: 0.032 ng
RT: 5.58 min Scan# 423
Delta R.T. 0.03 min
Lab File: BG045306.D
Acq: 11 May 2020 21:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	0.0	42.4	63.6#
63	0.0	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: 0.997 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.00 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

Instrument :

BNA_G

ClientSampleId :

MONOPOLE-FOUNDATION

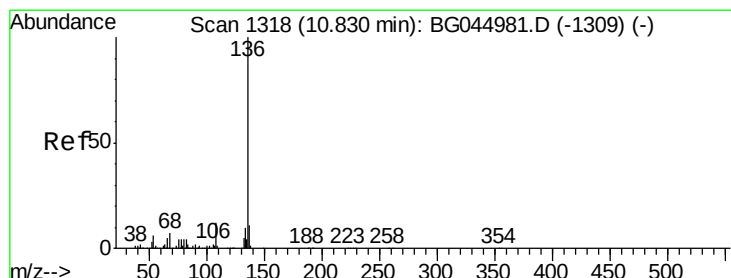
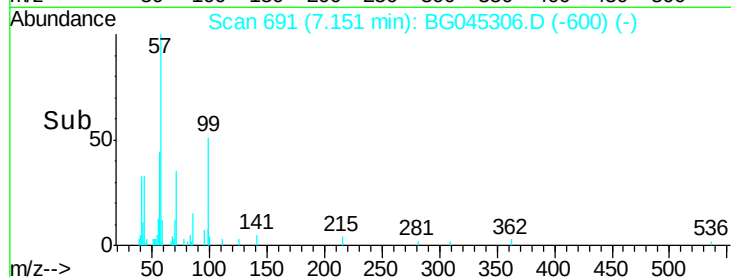
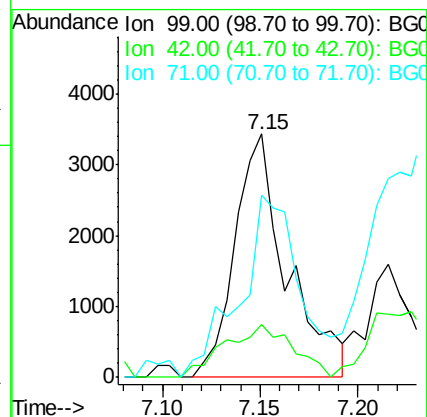
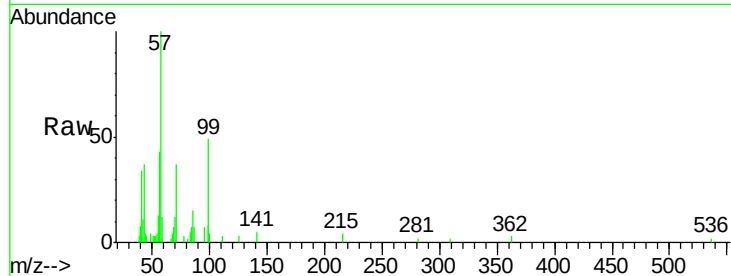
Tot Ion: 99 Resp: 6346

Ion Ratio Lower Upper

99 100

42 21.9 11.3 16.9#

71 74.6 28.3 42.5#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

Tgt Ion: 136 Resp: 275862

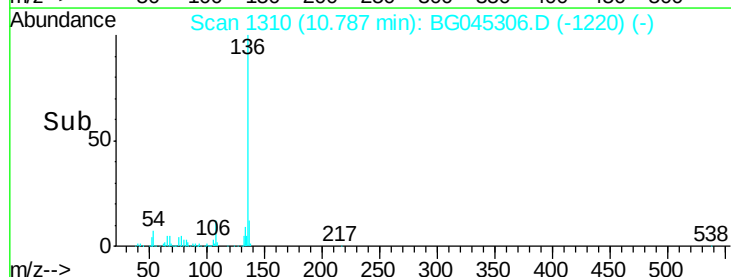
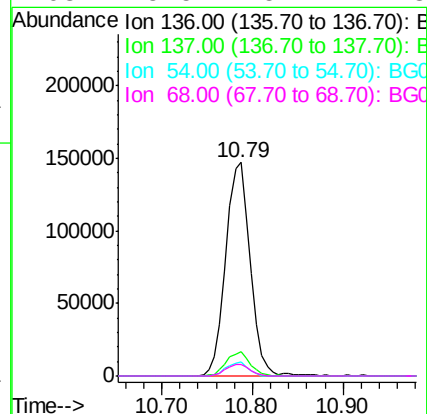
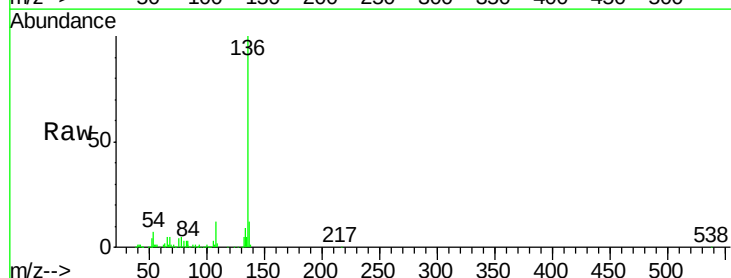
Ion Ratio Lower Upper

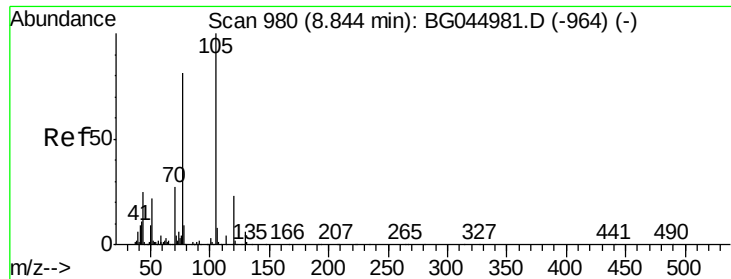
136 100

137 11.5 8.6 13.0

54 6.6 4.8 7.2

68 5.5 5.2 7.8

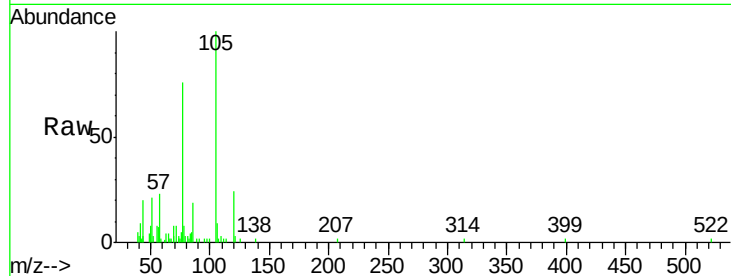




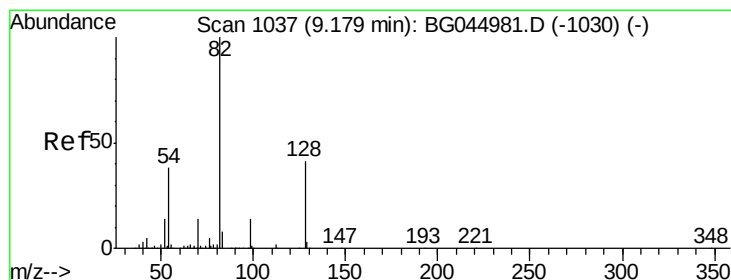
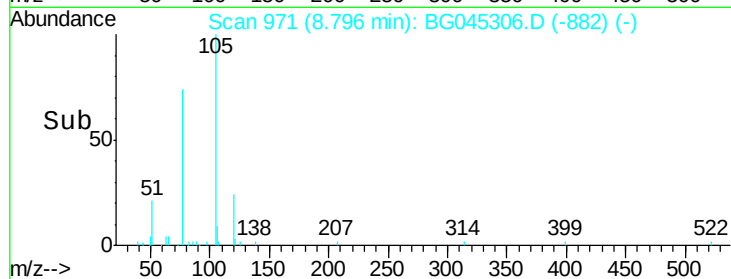
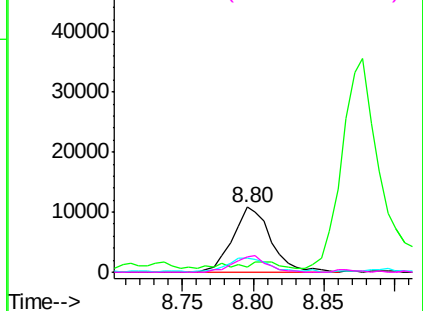
#22
Acetophenone
Concen: 2.738 ng
RT: 8.80 min Scan# 971
Delta R.T. -0.01 min
Lab File: BG045306.D
Acq: 11 May 2020 21:24

Instrument :
BNA_G
ClientSampleId :
MONOPOLE-FOUNDATION

Tot Ion:105 Resp: 20426
Ion Ratio Lower Upper
105 100
71 8.3 3.3 4.9#
51 20.9 17.3 25.9
120 24.0 18.4 27.6

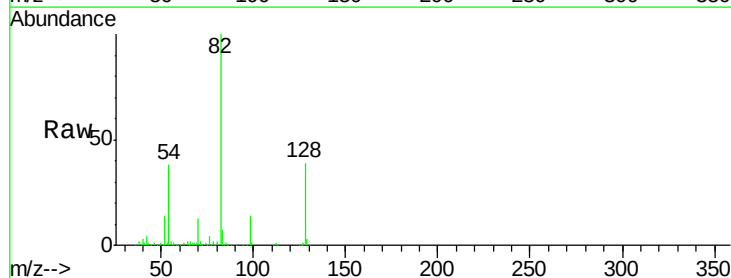


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

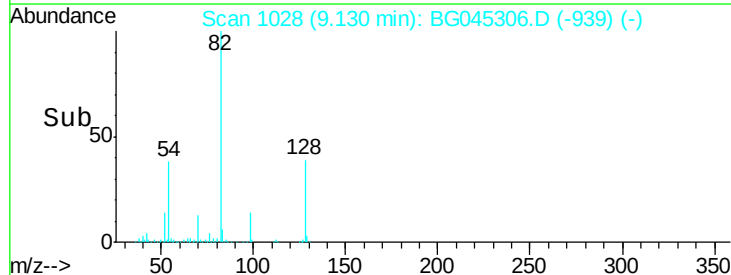
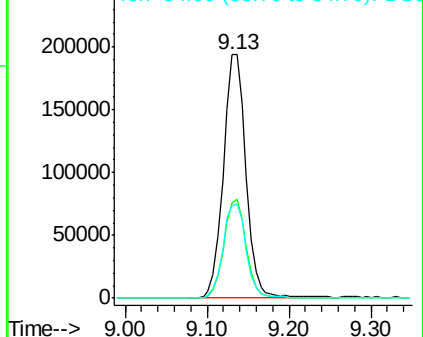


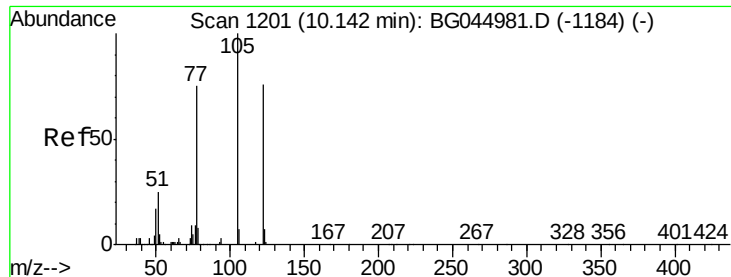
#23
Nitrobenzene-d5
Concen: 61.848 ng
RT: 9.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BG045306.D
Acq: 11 May 2020 21:24

Tgt Ion: 82 Resp: 373919
Ion Ratio Lower Upper
82 100
128 39.0 33.0 49.4
54 38.1 30.4 45.6



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





#32

Benzoic acid

Concen: 6.388 ng

RT: 10.05 min Scan# 1185

Delta R.T. -0.05 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

Instrument :

BNA_G

ClientSampleId :

MONOPOLE-FOUNDATION

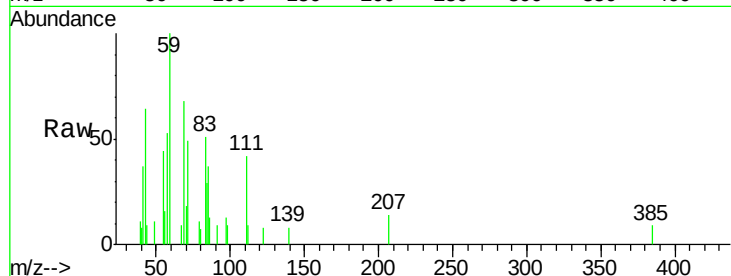
Tot Ion:122 Resp: 57

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

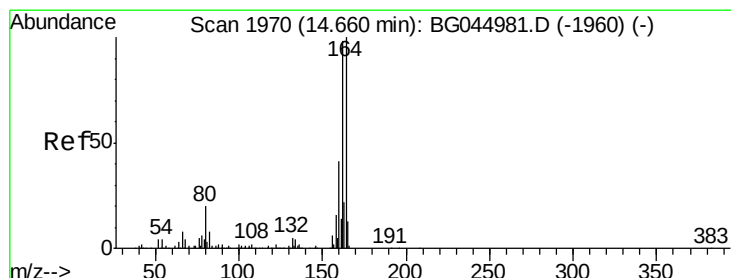
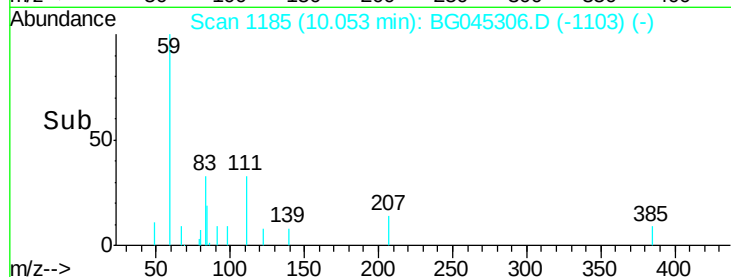
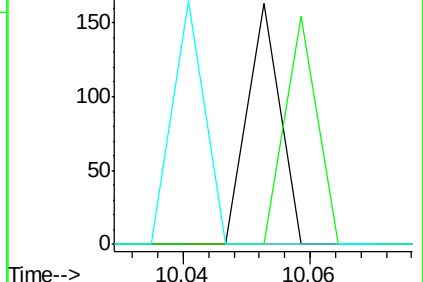
77 0.0 78.8 118.8#



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: 14.62 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

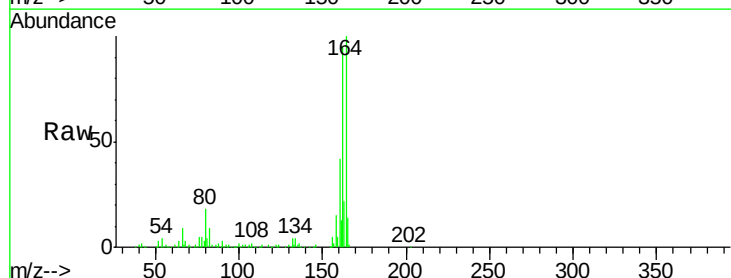
Tgt Ion:164 Resp: 195458

Ion Ratio Lower Upper

164 100

162 95.3 78.7 118.1

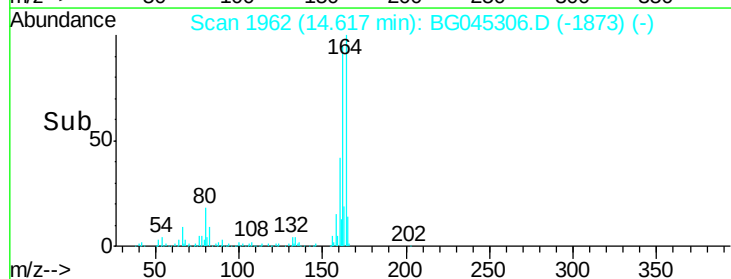
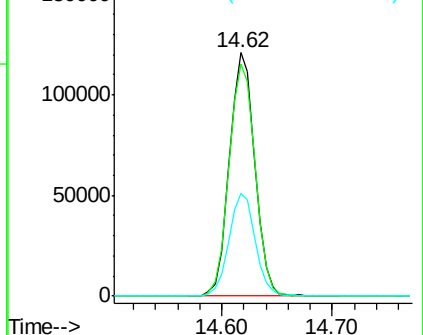
160 42.5 32.8 49.2

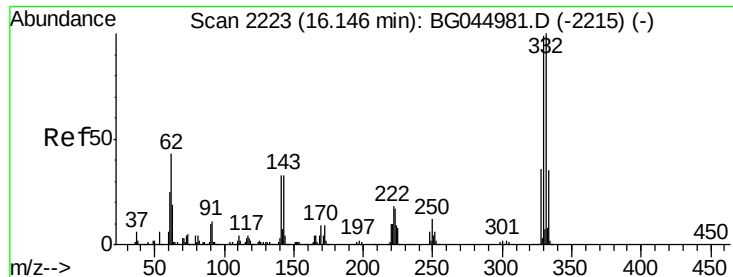


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 0.020 ng

RT: 16.48 min Scan# 2279

Delta R.T. 0.36 min

Lab File: BG045306.D

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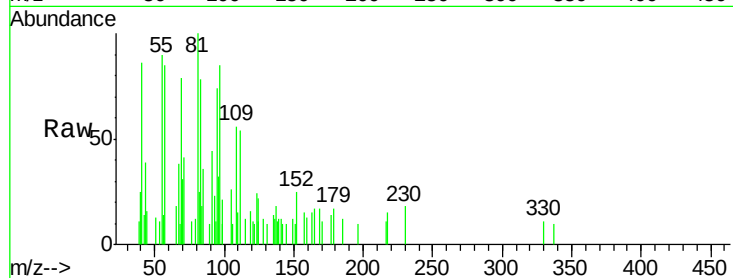
Tot Ion:330 Resp: 61

Ion Ratio Lower Upper

330 100

332 0.0 79.1 118.7#

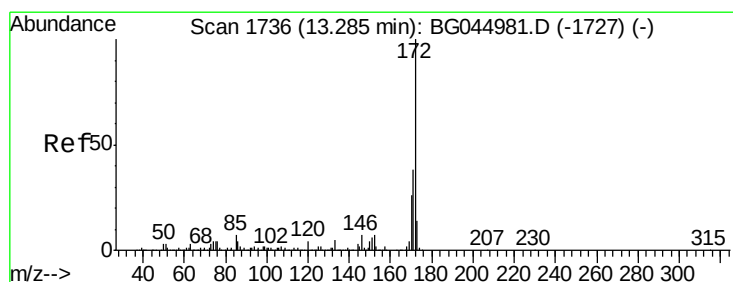
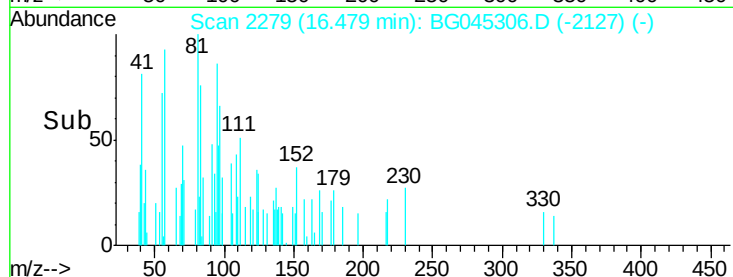
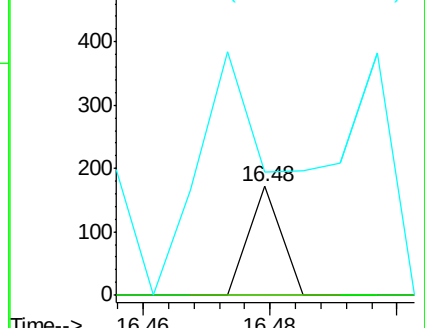
141 657.4 27.1 40.7#



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: 66.465 ng

RT: 13.24 min Scan# 1728

Delta R.T. -0.00 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

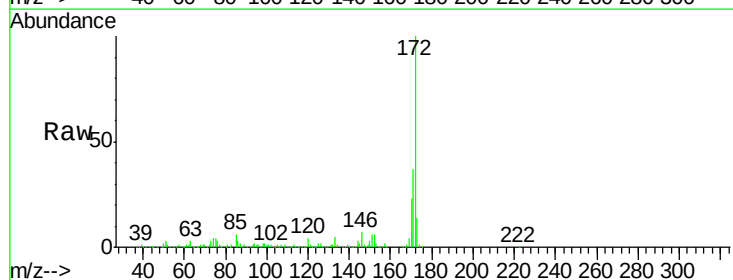
Tgt Ion:172 Resp: 885970

Ion Ratio Lower Upper

172 100

171 37.0 30.6 46.0

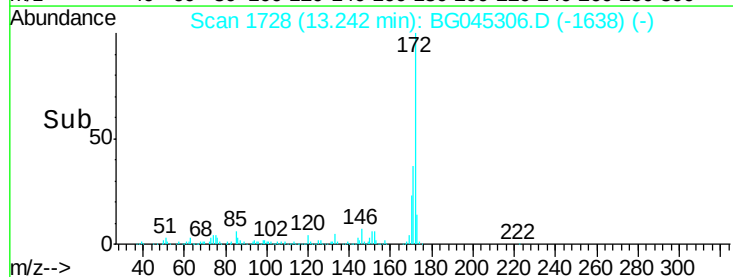
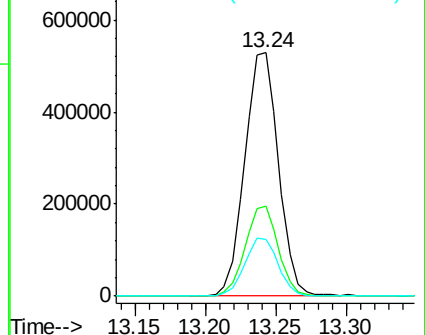
170 23.4 20.5 30.7

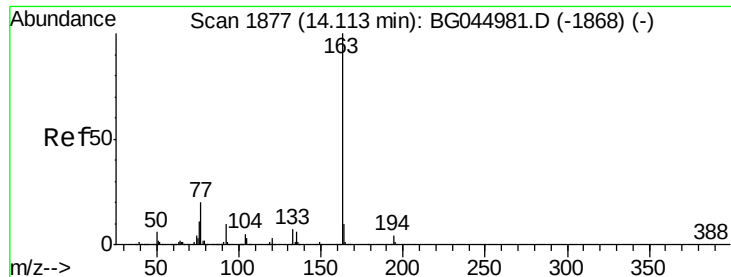


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.859 ng

RT: 14.06 min Scan# 1868

Delta R.T. -0.01 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

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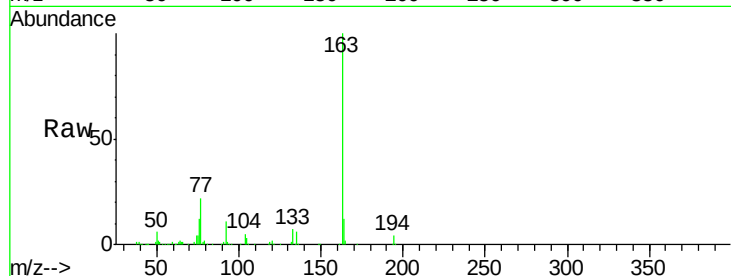
Tot Ion:163 Resp: 125078

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

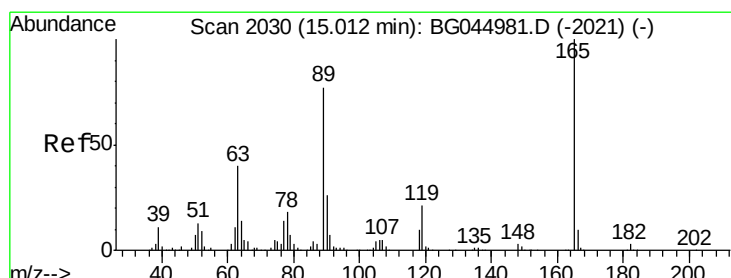
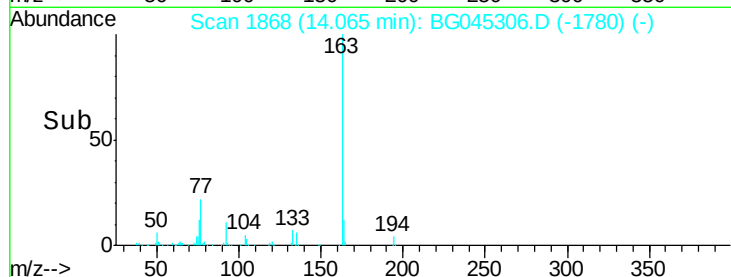
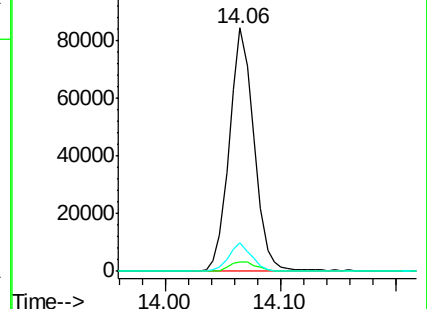
164 11.6 8.2 12.4



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: 5.072 ng

RT: 14.62 min Scan# 1962

Delta R.T. -0.36 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

Tgt Ion:165 Resp: 26385

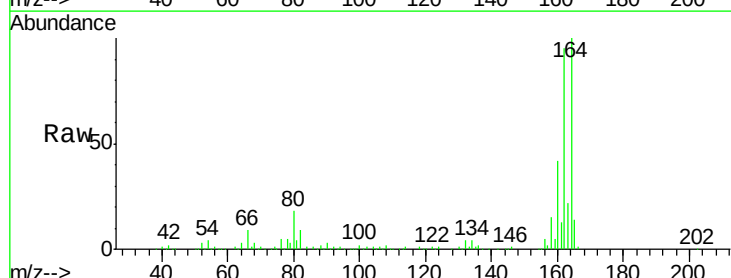
Ion Ratio Lower Upper

165 100

63 1.1 32.2 48.2#

89 1.2 61.7 92.5#

182 0.0 2.0 3.0#

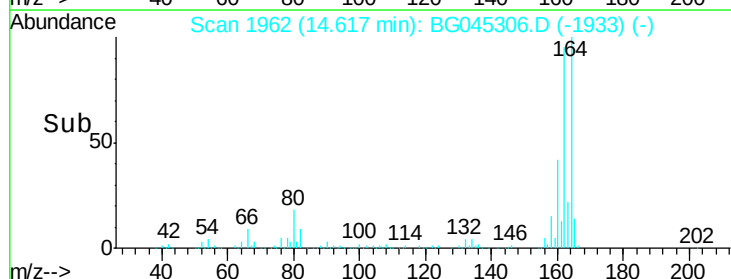
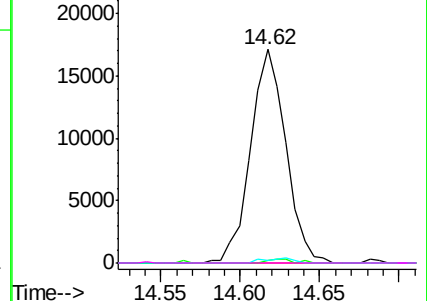


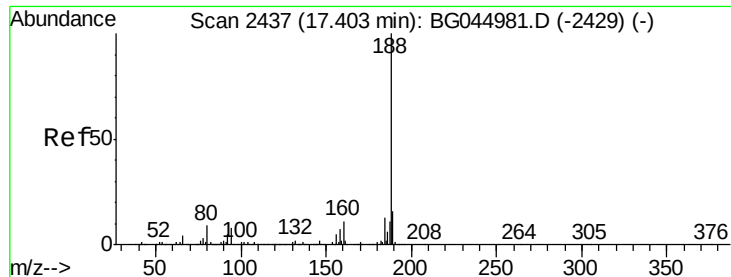
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG045306.D

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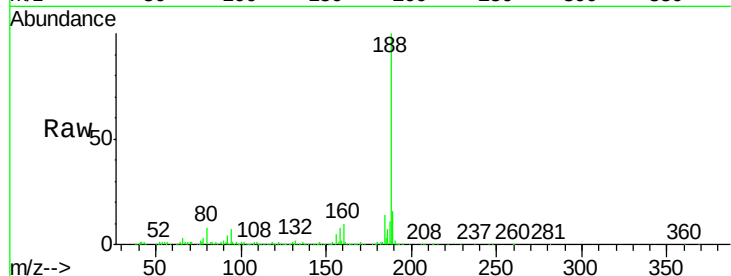
Tot Ion:188 Resp: 418890

Ion Ratio Lower Upper

188 100

94 7.0 6.2 9.4

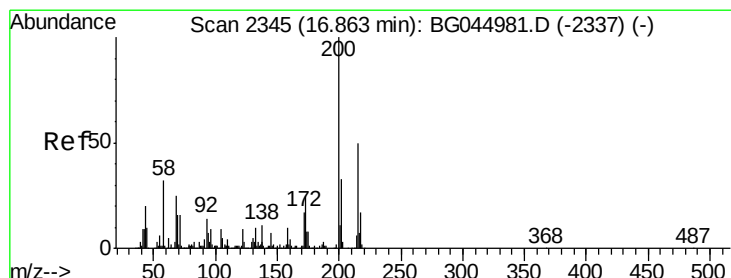
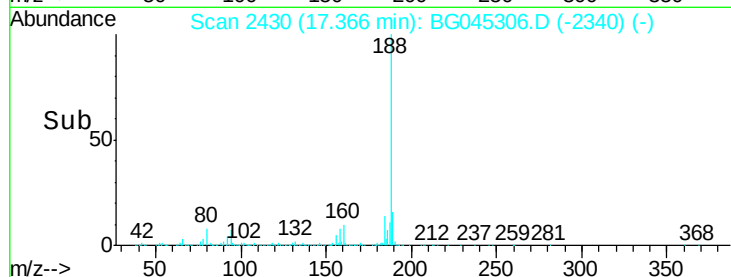
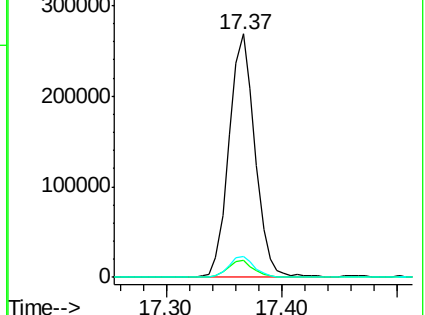
80 8.5 7.0 10.6



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



#69

Atrazine

Concen: Below Cal

RT: 16.78 min Scan# 2331

Delta R.T. -0.04 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

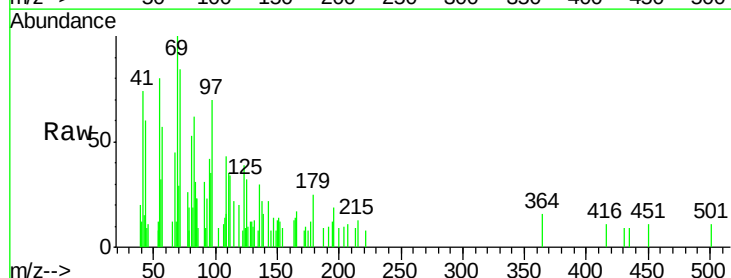
Tgt Ion:200 Resp: 120

Ion Ratio Lower Upper

200 100

173 112.6 4.5 44.5#

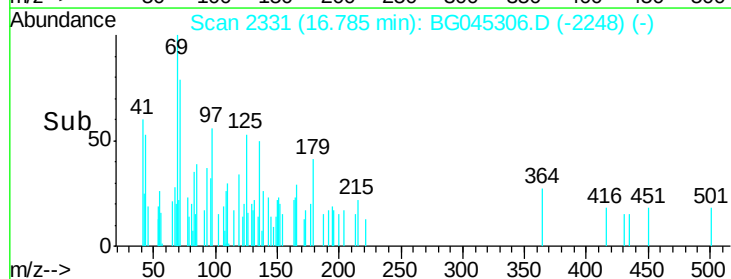
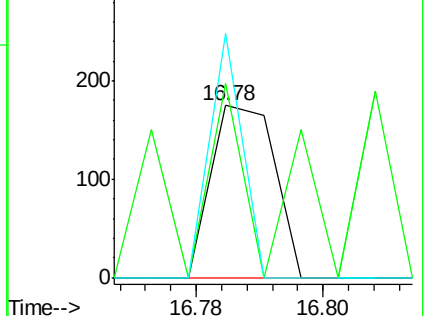
215 141.7 30.0 70.0#

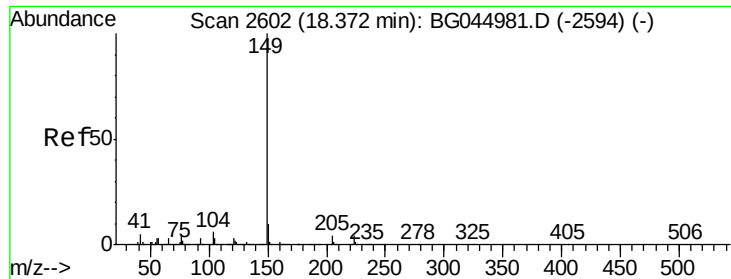


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

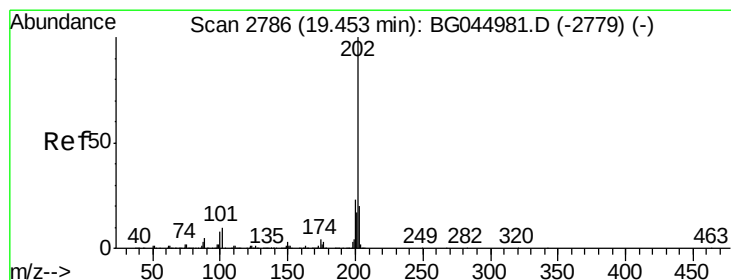
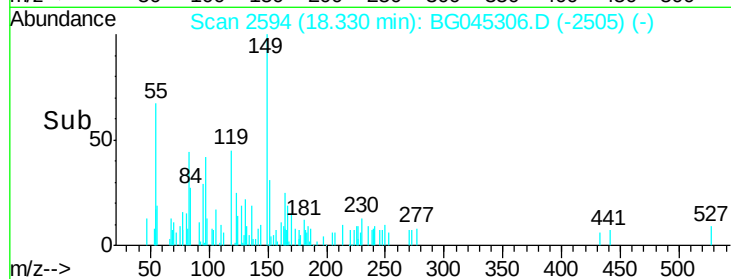
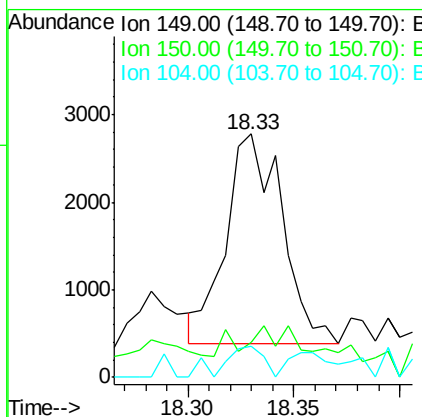
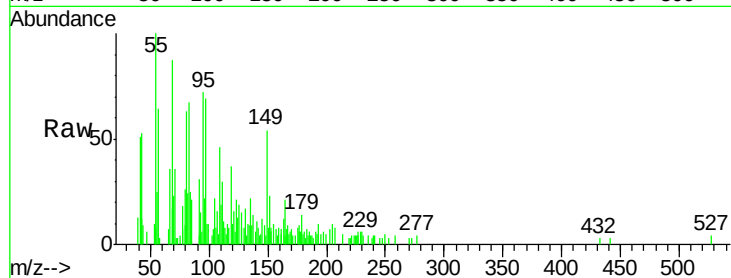




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.33 min Scan# 2594
Delta R.T. -0.01 min
Lab File: BG045306.D
Acq: 11 May 2020 21:24

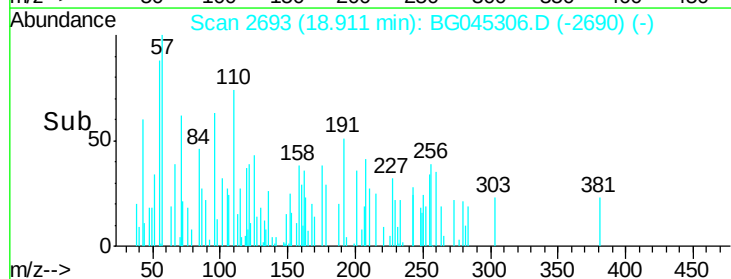
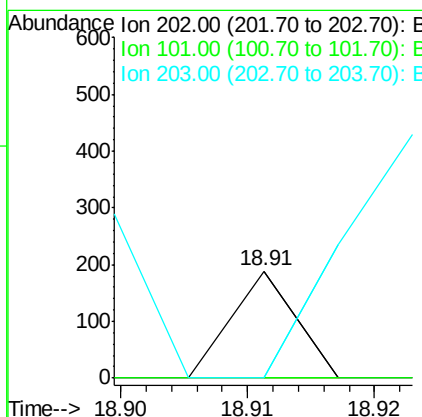
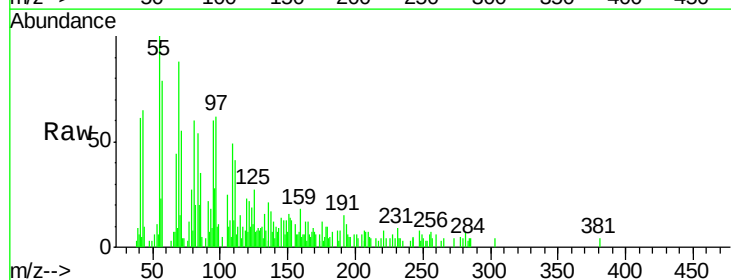
Instrument :
BNA_G
ClientSampleId :
MONOPOLE-FOUNDATION

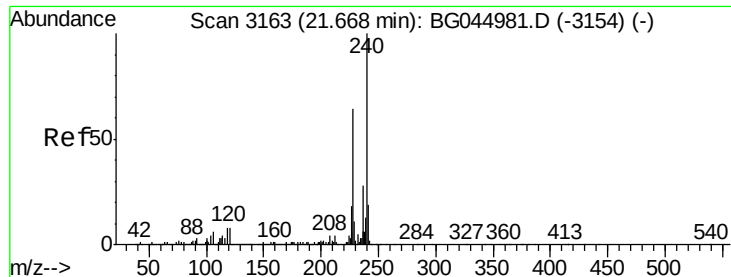
Tot Ion:149 Resp: 4399
Ion Ratio Lower Upper
149 100
150 14.6 8.2 12.2#
104 12.7 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 18.91 min Scan# 2693
Delta R.T. -0.51 min
Lab File: BG045306.D
Acq: 11 May 2020 21:24

Tgt Ion:202 Resp: 66
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: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

Instrument :

BNA_G

ClientSampleId :

MONOPOLE-FOUNDATION

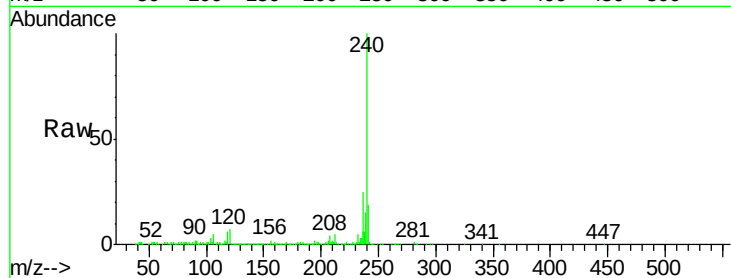
Tot Ion:240 Resp: 431096

Ion Ratio Lower Upper

240 100

120 6.6 6.6 10.0#

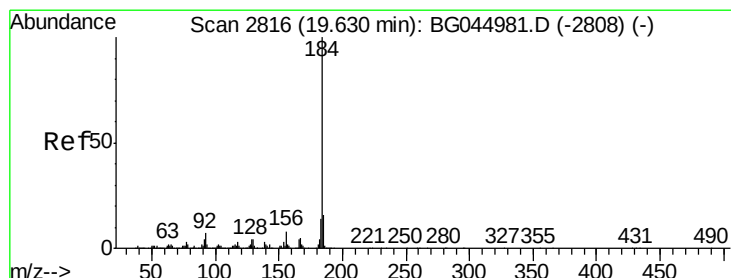
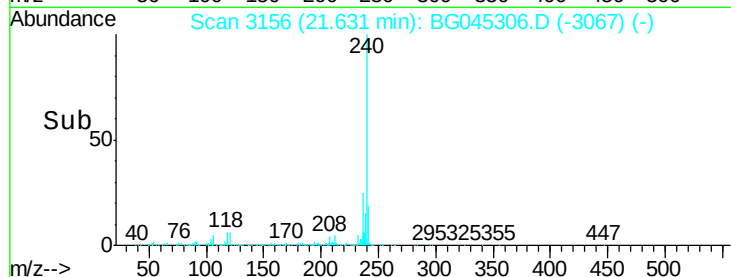
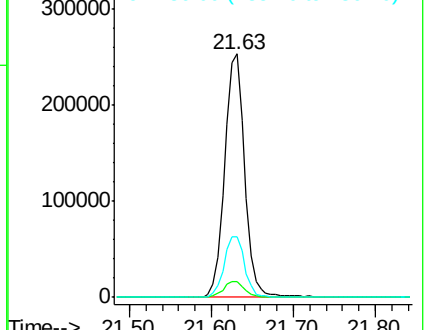
236 25.0 22.2 33.2



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# 2875

Delta R.T. 0.38 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

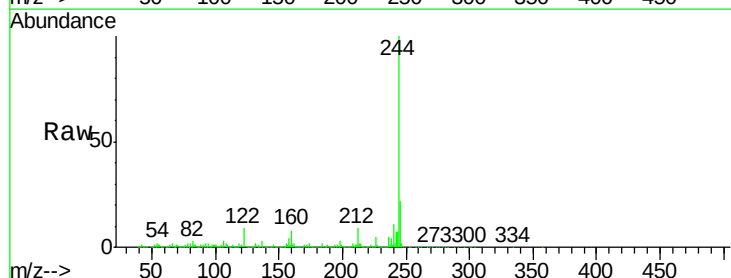
Tgt Ion:184 Resp: 26163

Ion Ratio Lower Upper

184 100

185 18.2 12.6 19.0

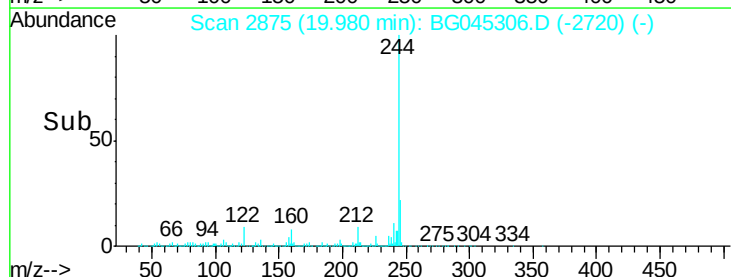
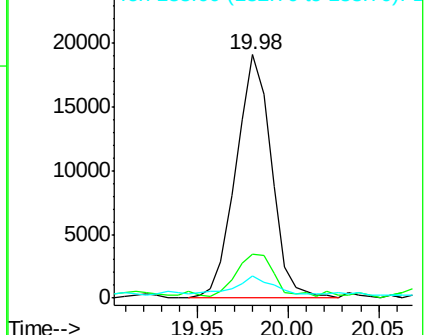
183 8.9 11.3 16.9#

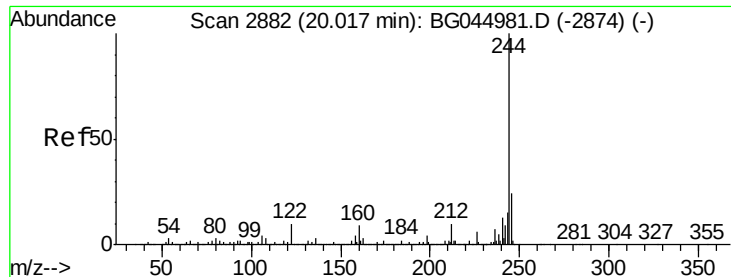


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 69.240 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

Instrument :

BNA_G

ClientSampleId :

MONOPOLE-FOUNDATION

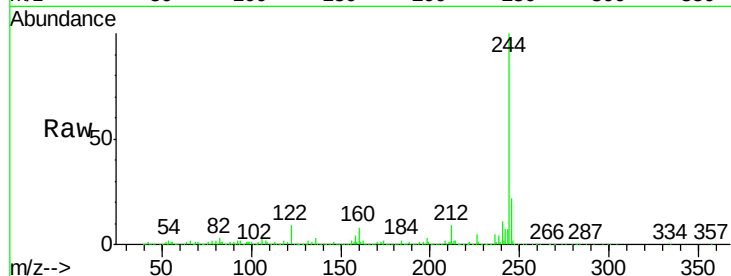
Tot Ion:244 Resp: 1369502

Ion Ratio Lower Upper

244 100

212 9.0 7.9 11.9

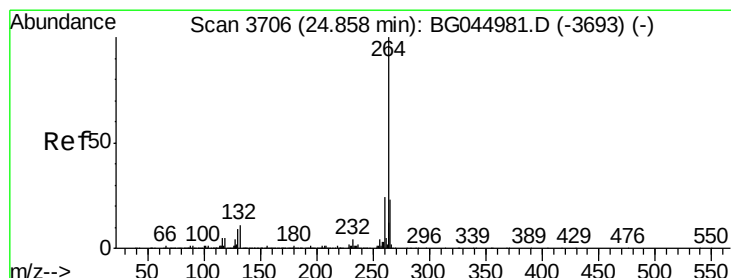
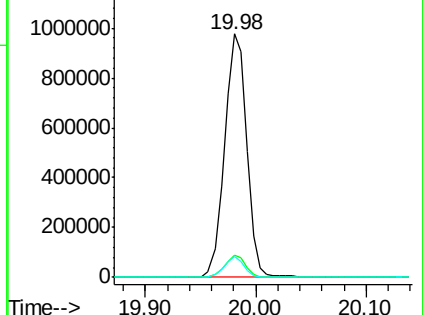
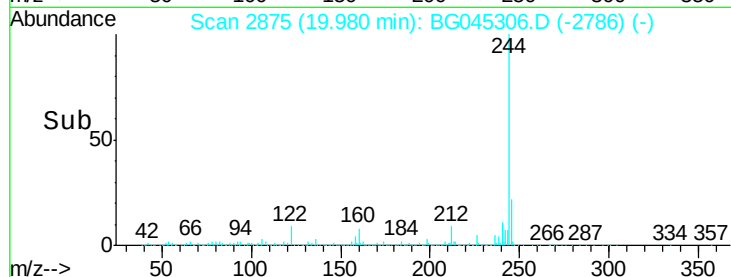
122 8.7 7.7 11.5



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

Perylene-d12

Concen: 20.000 ng

RT: 24.79 min Scan# 3694

Delta R.T. -0.01 min

Lab File: BG045306.D

Acq: 11 May 2020 21:24

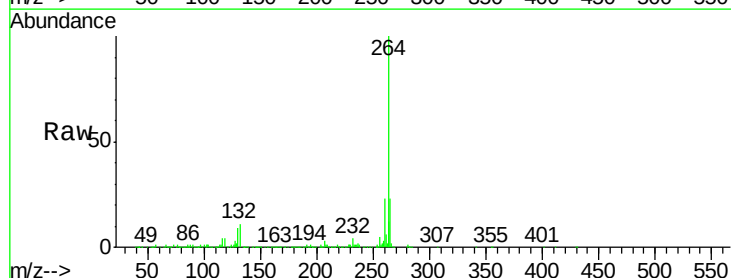
Tgt Ion:264 Resp: 498105

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.8 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

