

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052920\
 Data File : BG045528.D
 Acq On : 29 May 2020 17:58
 Operator : CG/JU
 Sample : L2773-28
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NM-EB-05

Quant Time: May 29 18:34:04 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 11:17:45 2020
 Response via : Initial Calibration

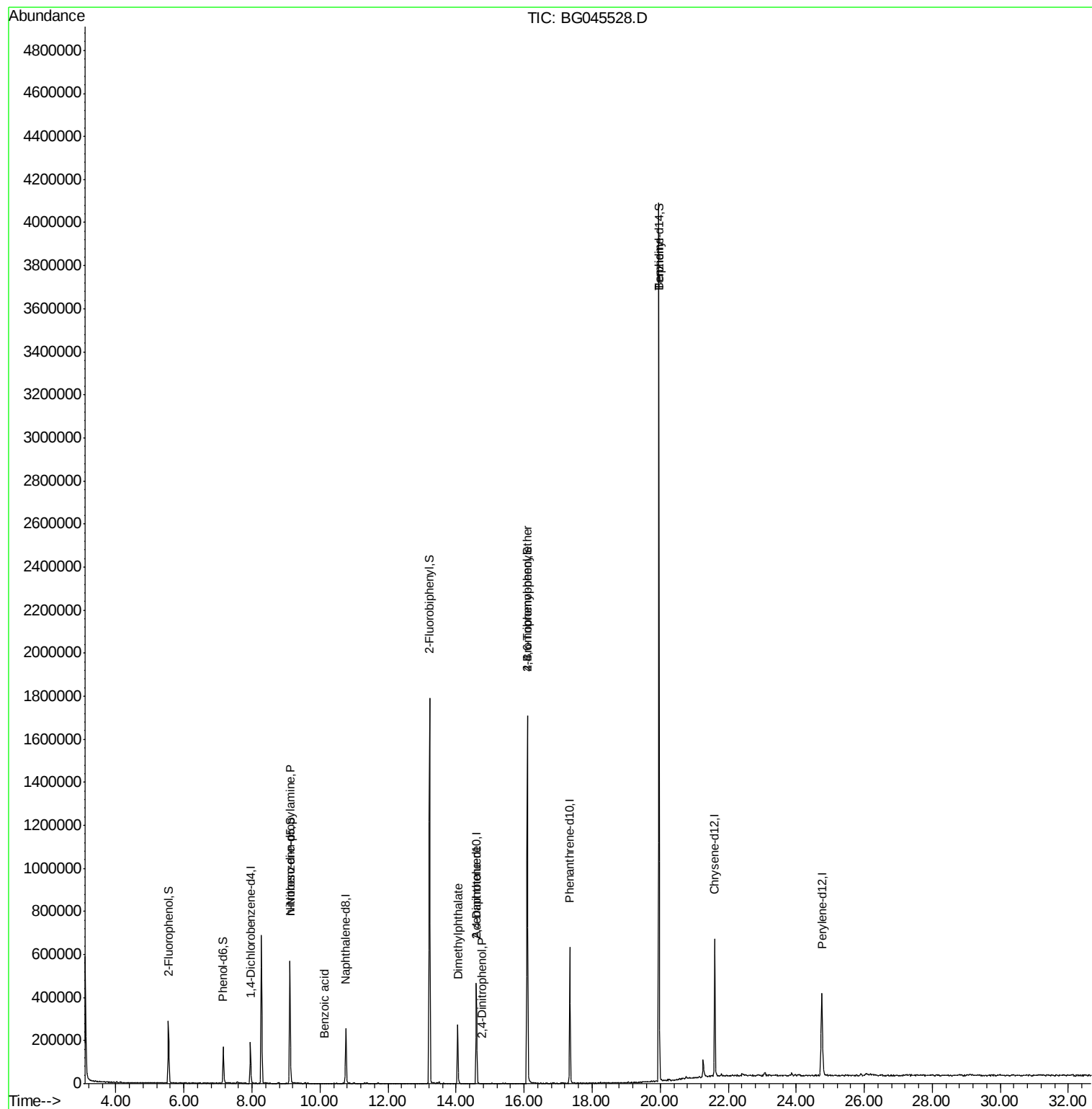
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	58144	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	234729	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	174294	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	425604	20.00	ng	0.00
76) Chrysene-d12	21.60	240	422327	20.00	ng	0.00
87) Perylene-d12	24.75	264	447326	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	141852	47.68	ng	0.00
7) Phenol-d6	7.15	99	123548	29.18	ng	-0.01
23) Nitrobenzene-d5	9.11	82	388131	90.17	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	357558	160.41	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	989869	96.33	ng	0.00
79) Terphenyl-d14	19.97	244	1965490	108.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.11	70	52271	17.850	ng	Qvalue # 81
32) Benzoic acid	10.13	122	61	10.047	ng	# 1
50) Dimethylphthalate	14.05	163	195394	16.342	ng	99
54) 2,4-Dinitrophenol	14.78	184	60	5.491	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	23846	6.103	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	25149	5.457	ng	# 1
77) Benzidine	19.97	184	37893	3.195	ng	# 92

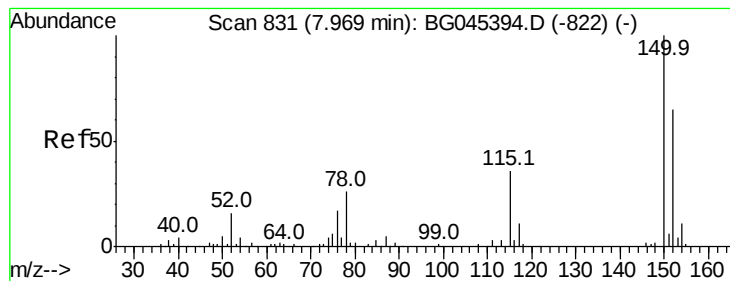
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.95 min Scan# 828

Delta R.T. -0.01 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Instrument :

BNA_G

ClientSampleId :

NM-EB-05

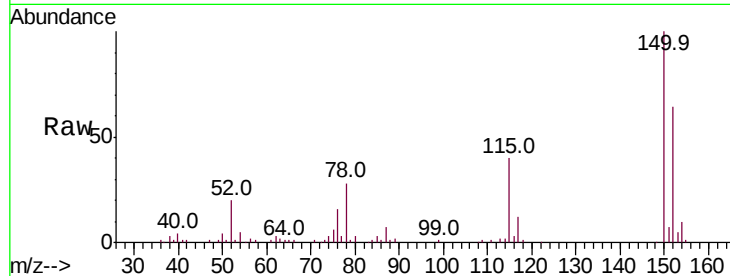
Tot Ion:152 Resp: 58144

Ion Ratio Lower Upper

152 100

150 156.9 122.4 183.6

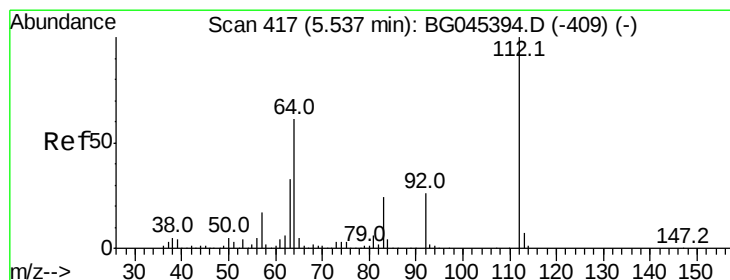
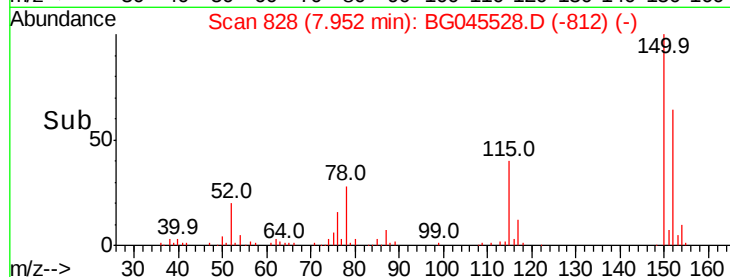
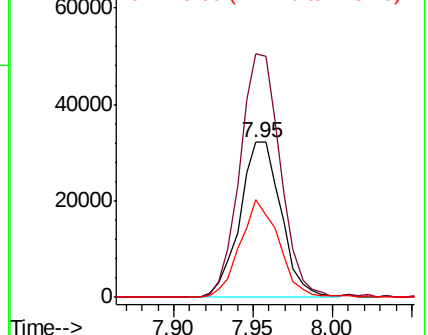
115 62.6 44.2 66.4



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: 47.678 ng

RT: 5.54 min Scan# 418

Delta R.T. -0.01 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

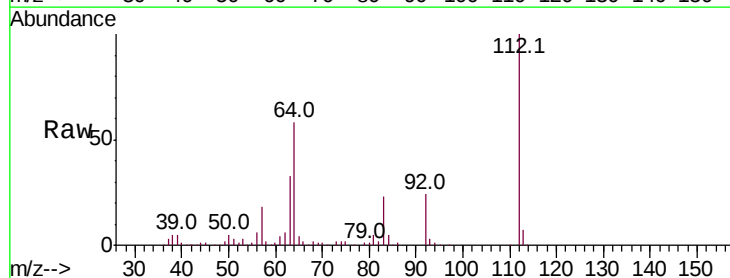
Tgt Ion:112 Resp: 141852

Ion Ratio Lower Upper

112 100

64 57.9 48.6 72.8

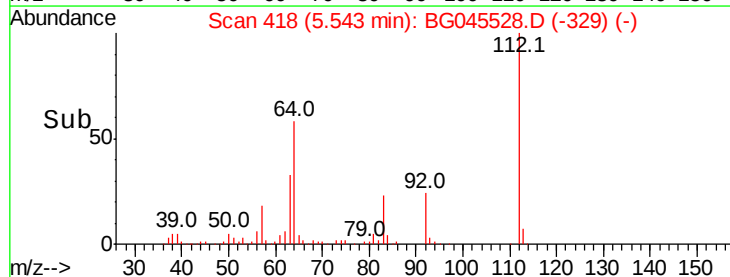
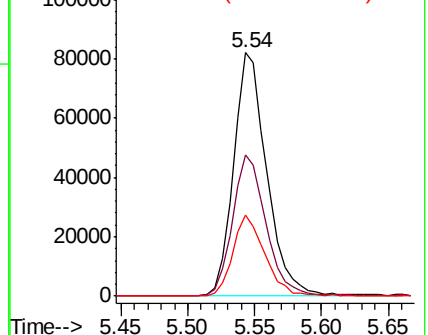
63 33.5 26.5 39.7

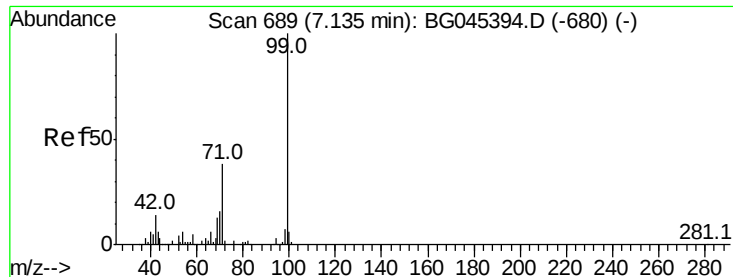


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 29.176 ng

RT: 7.15 min Scan# 692

Delta R.T. -0.01 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Instrument :

BNA_G

ClientSampleId :

NM-EB-05

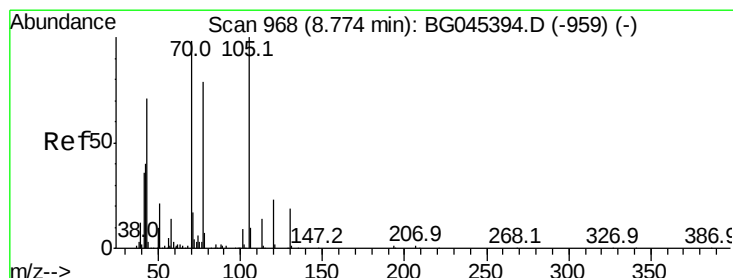
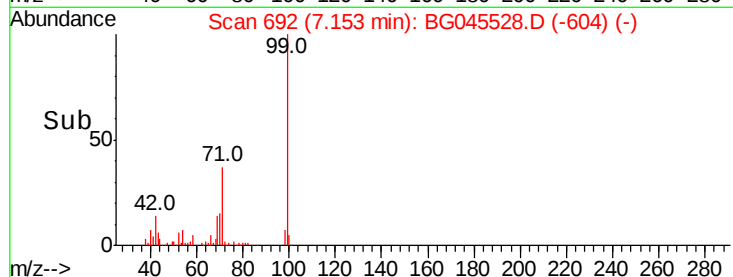
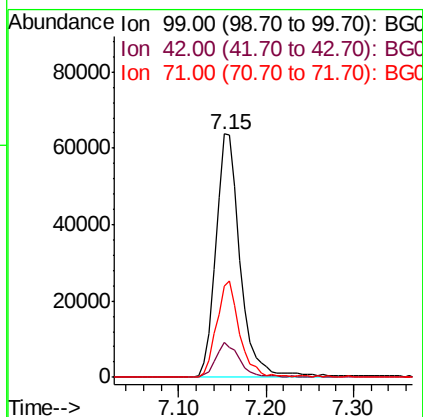
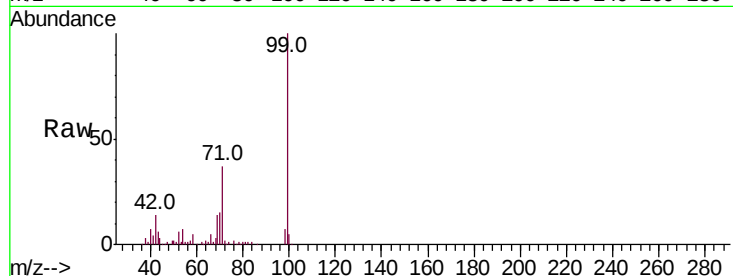
Tot Ion: 99 Resp: 123548

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 37.4 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 17.850 ng

RT: 9.11 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Tgt Ion: 70 Resp: 52271

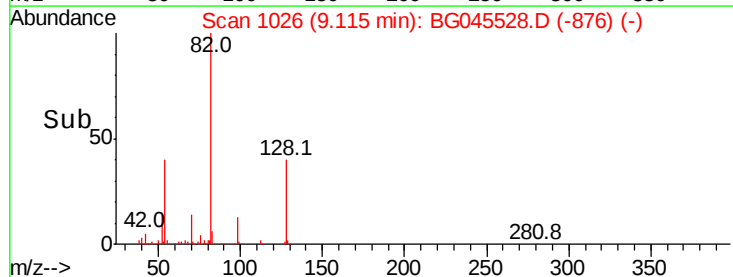
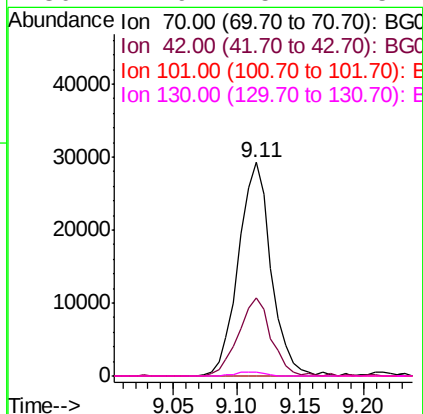
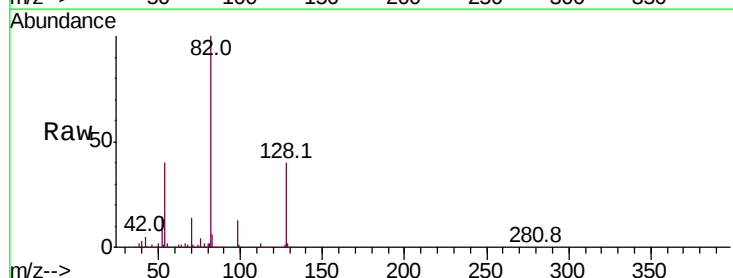
Ion Ratio Lower Upper

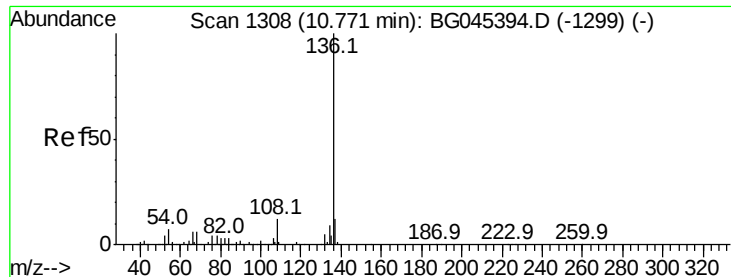
70 100

42 36.5 33.2 49.8

101 0.0 7.8 11.6#

130 1.9 15.4 23.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Instrument :

BNA_G

ClientSampleId :

NM-EB-05

Tot Ion:136 Resp: 234729

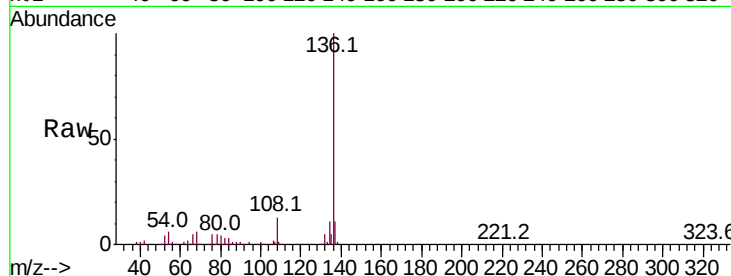
Ion Ratio Lower Upper

136 100

137 10.9 9.4 14.2

54 6.4 5.8 8.6

68 6.4 4.5 6.7

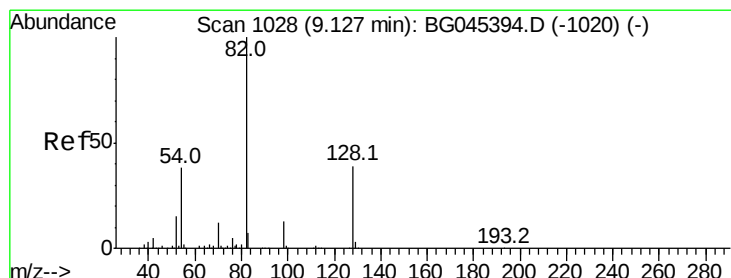
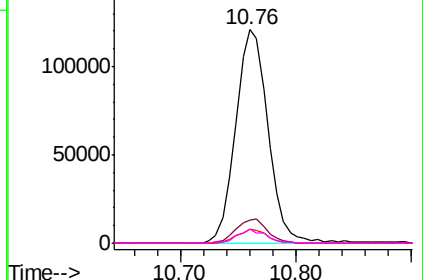
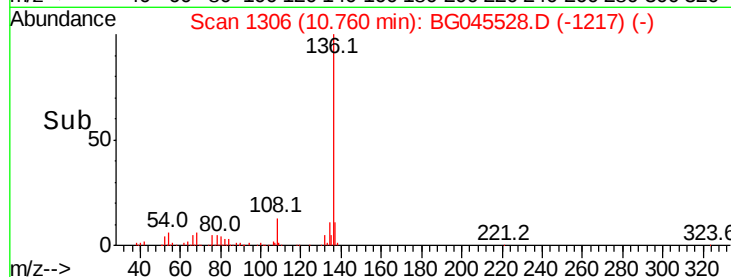


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 90.169 ng

RT: 9.11 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

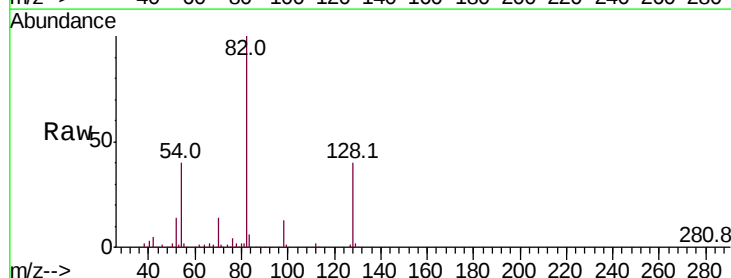
Tgt Ion: 82 Resp: 388131

Ion Ratio Lower Upper

82 100

128 39.9 30.9 46.3

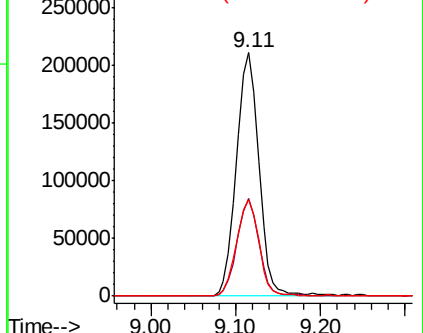
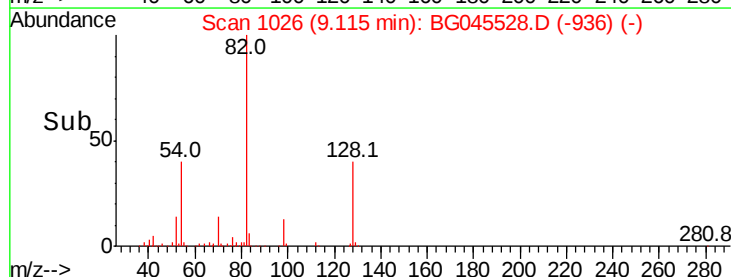
54 39.8 30.3 45.5

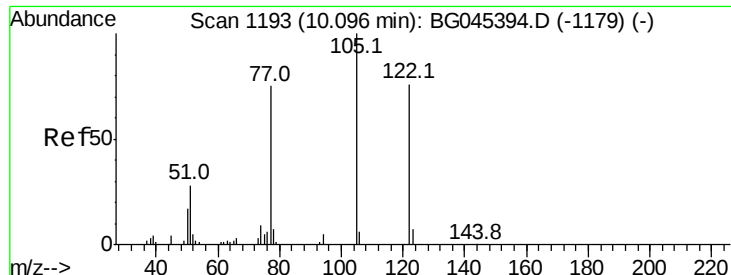


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

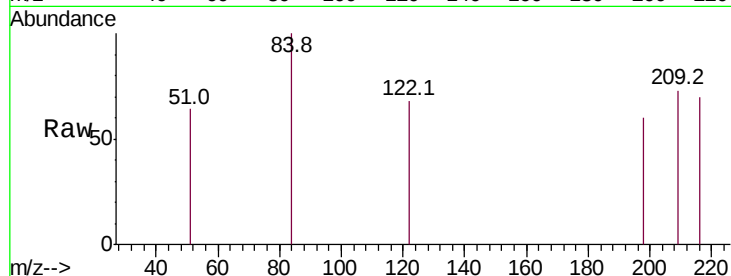




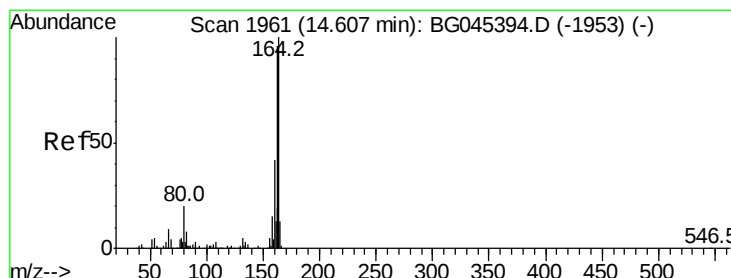
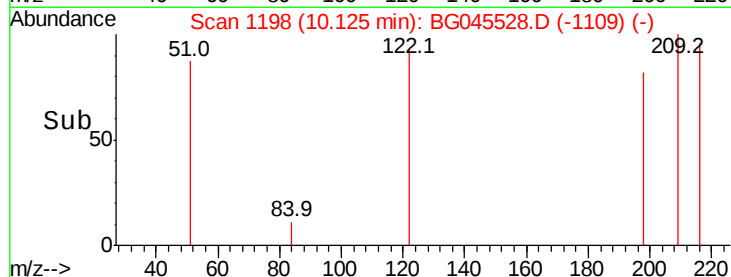
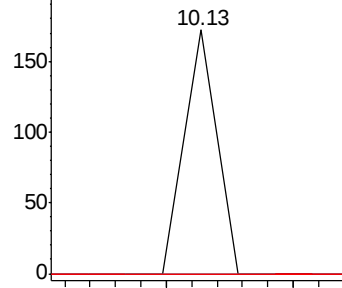
#32
Benzoic acid
Concen: 10.047 ng
RT: 10.13 min Scan# 1198
Delta R.T. -0.01 min
Lab File: BG045528.D
Acq: 29 May 2020 17:58

Instrument :
BNA_G
ClientSampleId :
NM-EB-05

Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 107.9 147.9#
77 0.0 78.9 118.9#

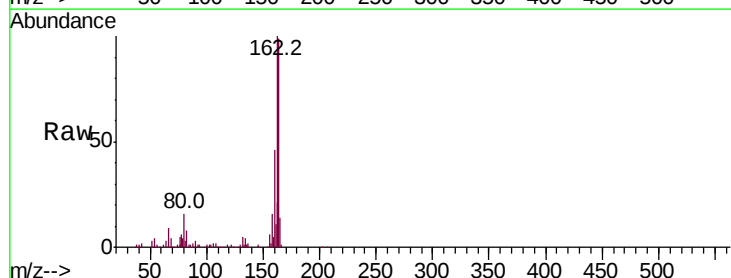


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

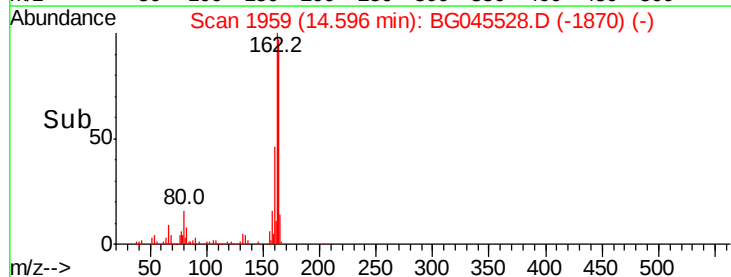
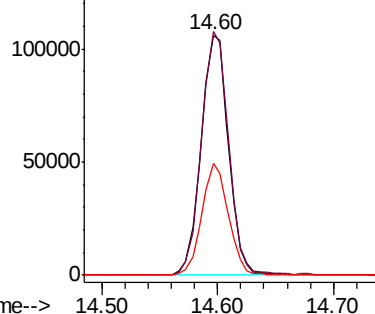


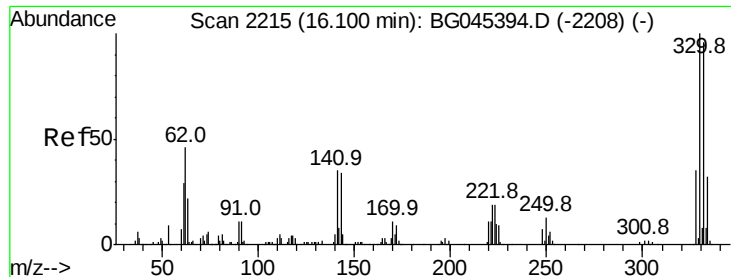
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BG045528.D
Acq: 29 May 2020 17:58

Tgt Ion:164 Resp: 174294
Ion Ratio Lower Upper
164 100
162 101.4 76.9 115.3
160 46.6 33.8 50.8



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: 160.410 ng

RT: 16.09 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Instrument :

BNA_G

ClientSampleId :

NM-EB-05

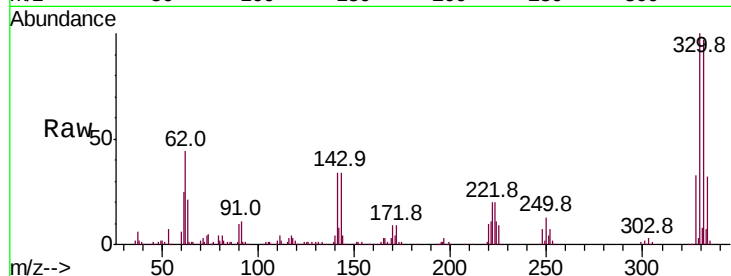
Tot Ion:330 Resp: 357558

Ion Ratio Lower Upper

330 100

332 96.3 78.2 117.4

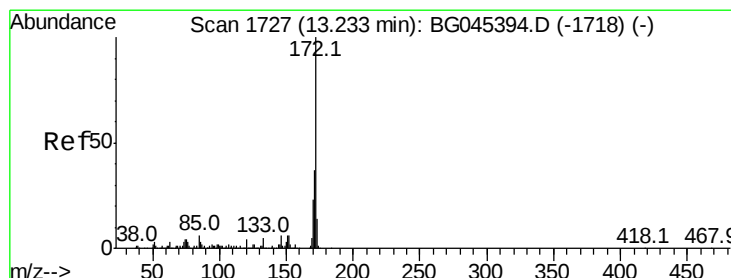
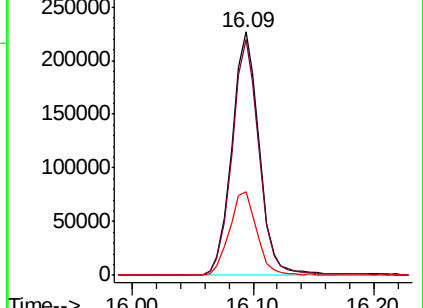
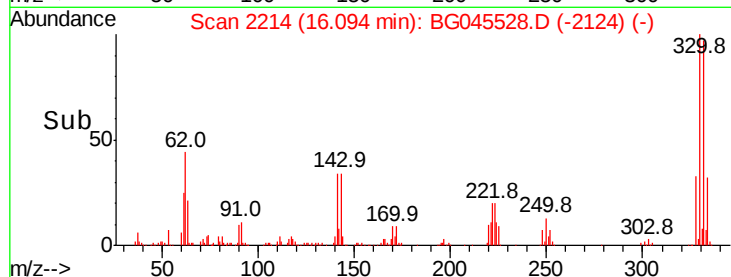
141 34.6 28.2 42.4



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: 96.333 ng

RT: 13.22 min Scan# 1725

Delta R.T. -0.00 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

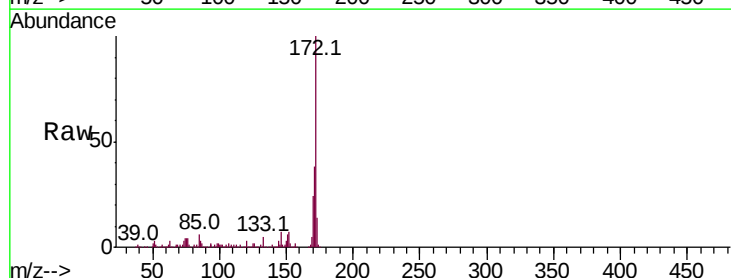
Tgt Ion:172 Resp: 989869

Ion Ratio Lower Upper

172 100

171 38.2 29.5 44.3

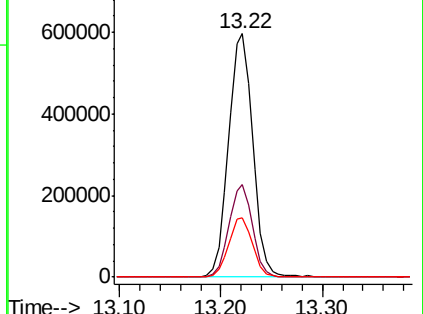
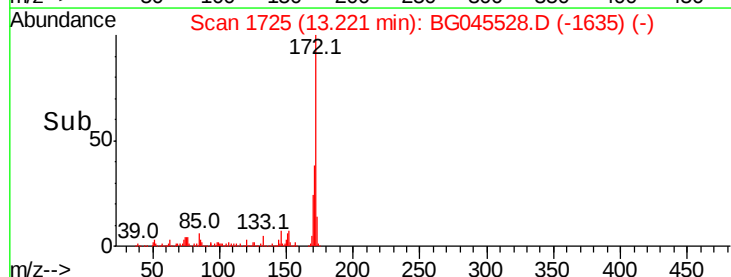
170 24.2 18.5 27.7

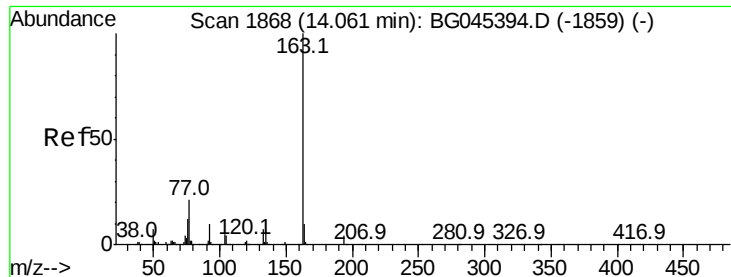


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 16.342 ng

RT: 14.05 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Instrument :

BNA_G

ClientSampleId :

NM-EB-05

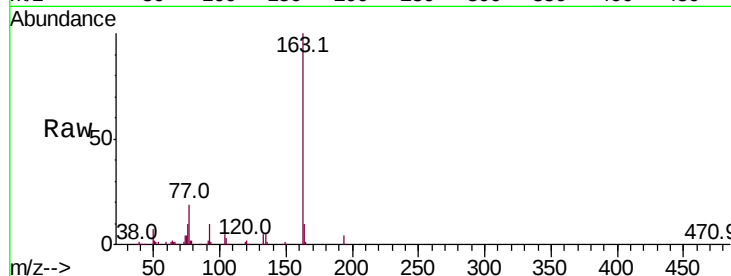
Tot Ion:163 Resp: 195394

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

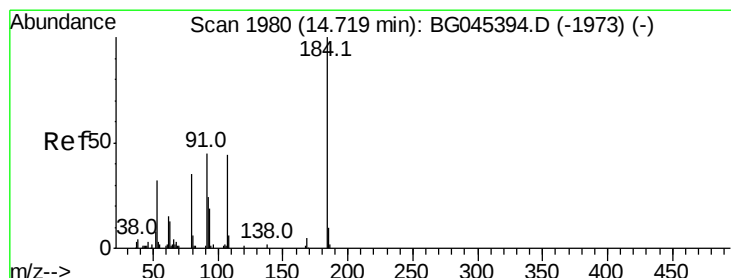
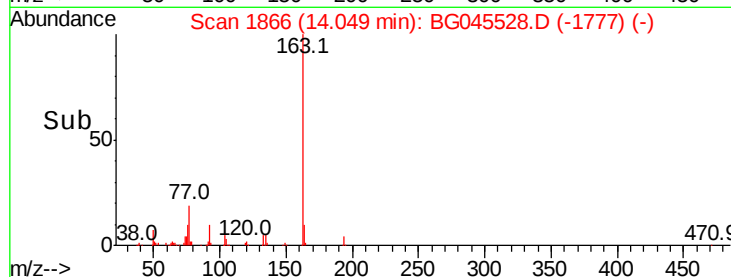
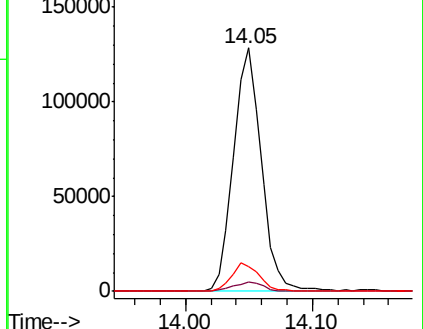
164 10.0 8.3 12.5



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



#54

2,4-Dinitrophenol

Concen: 5.491 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.06 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

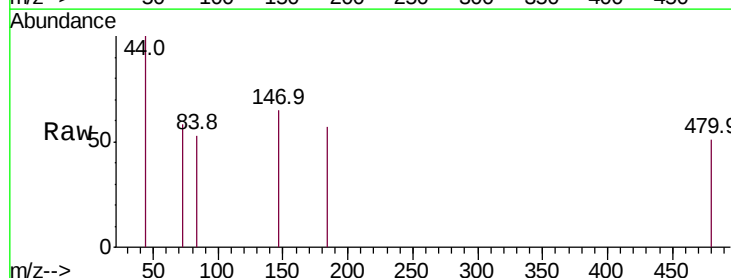
Tgt Ion:184 Resp: 60

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

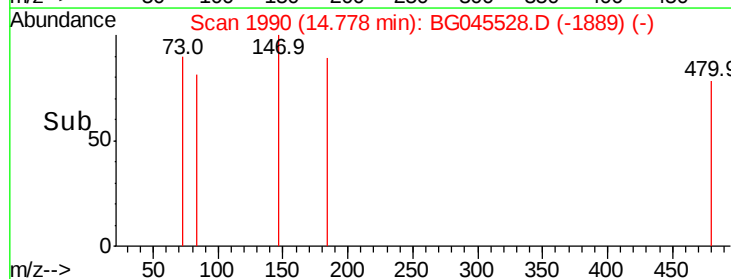
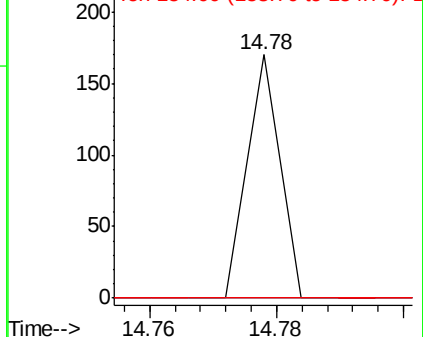
154 0.0 58.3 87.5#

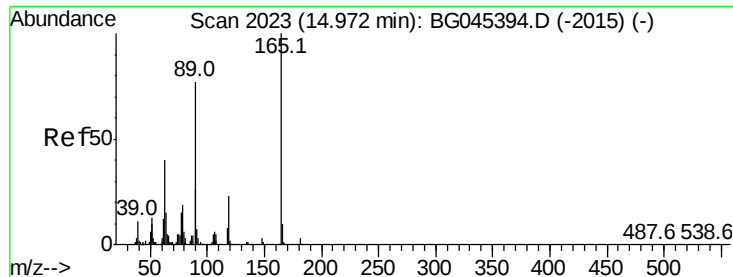


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

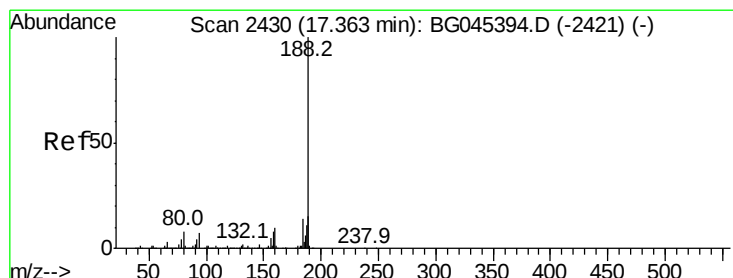
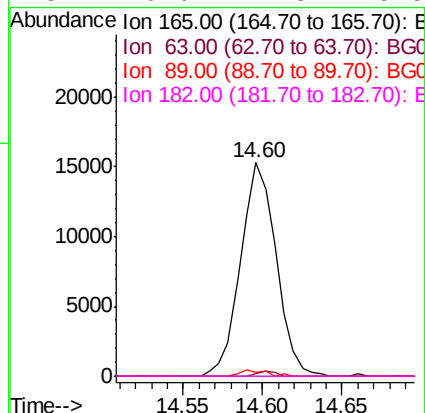
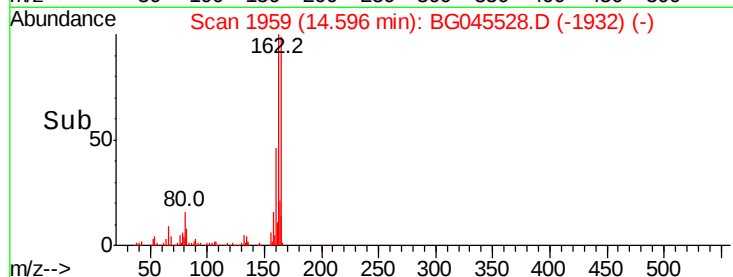
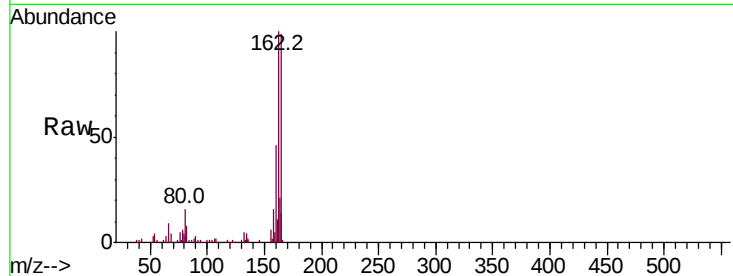




#57
2,4-Dinitrotoluene
Concen: 6.103 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.37 min
Lab File: BG045528.D
Acq: 29 May 2020 17:58

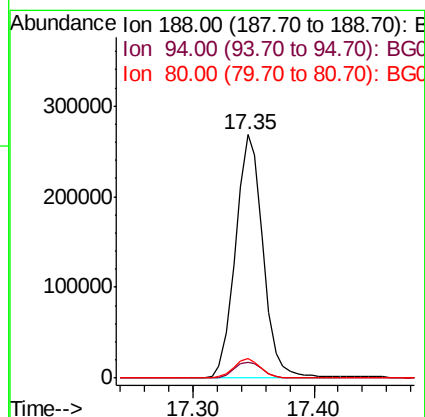
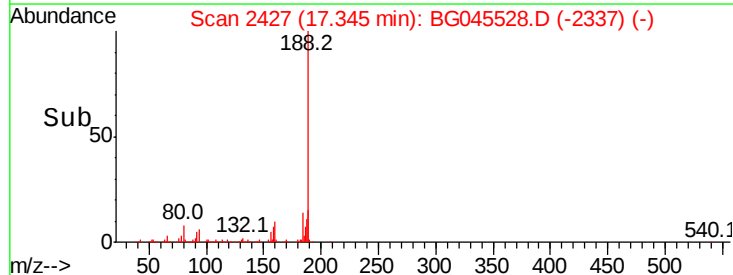
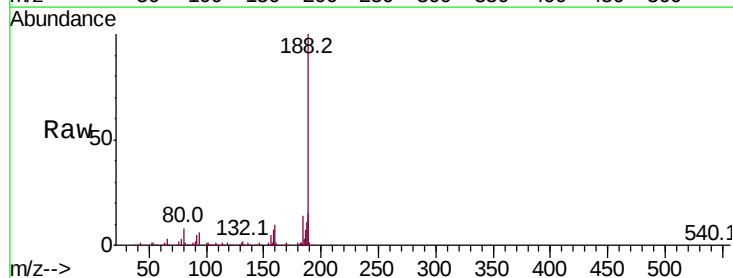
Instrument :
BNA_G
ClientSampleId :
NM-EB-05

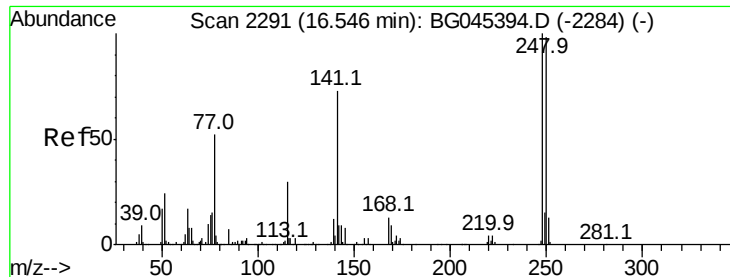
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	32.5	48.7#
89	1.9	61.8	92.6#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.35 min Scan# 2427
Delta R.T. -0.00 min
Lab File: BG045528.D
Acq: 29 May 2020 17:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.5	8.3
80	7.9	6.6	10.0

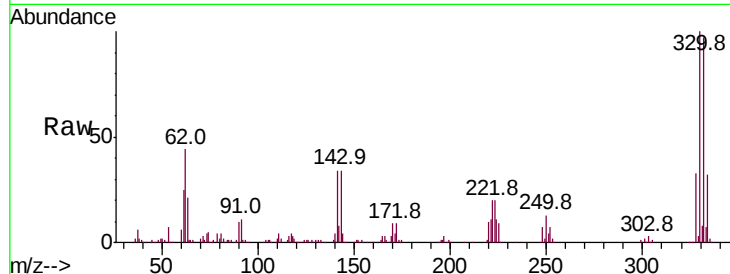




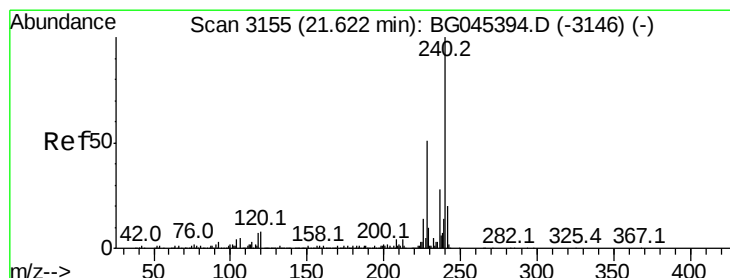
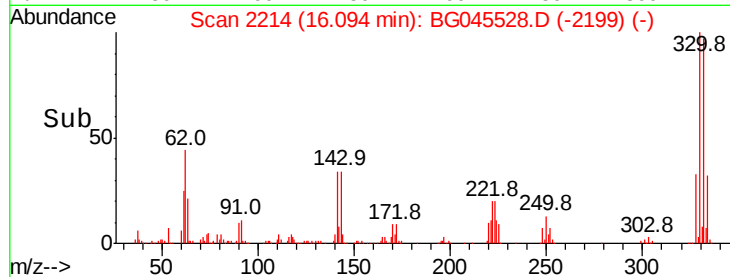
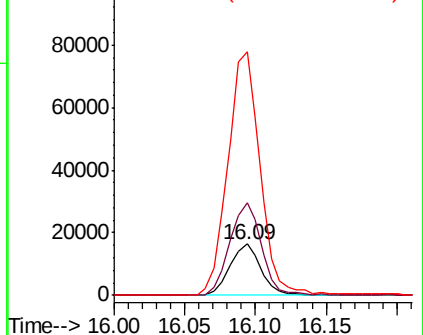
#67
 4-Bromophenyl-phenylether
 Concen: 5.457 ng
 RT: 16.09 min Scan# 2214
 Delta R.T. -0.44 min
 Lab File: BG045528.D
 Acq: 29 May 2020 17:58

Instrument :
 BNA_G
 ClientSampleId :
 NM-EB-05

Tot Ion:248 Resp: 25149
 Ion Ratio Lower Upper
 248 100
 250 180.5 78.6 117.8#
 141 472.9 58.2 87.2#

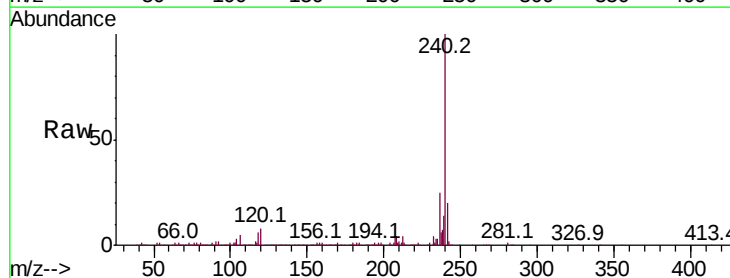


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

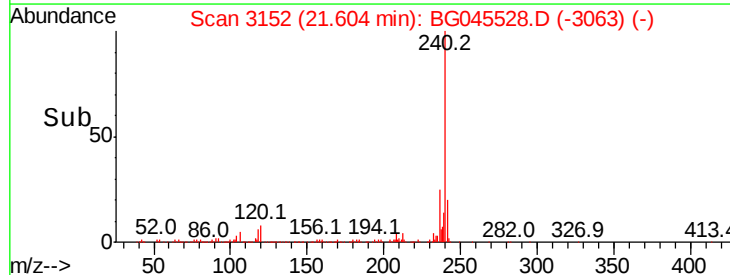
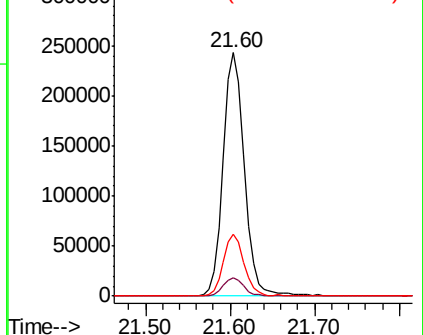


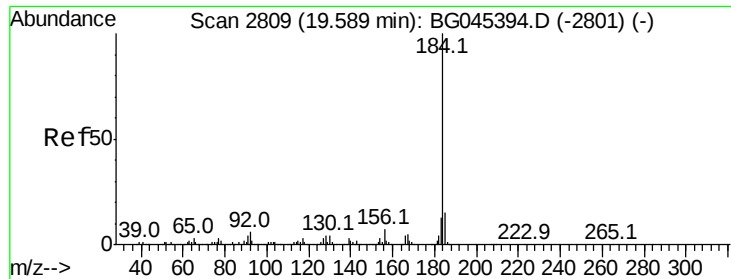
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.60 min Scan# 3152
 Delta R.T. -0.01 min
 Lab File: BG045528.D
 Acq: 29 May 2020 17:58

Tgt Ion:240 Resp: 422327
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.1 9.1
 236 25.3 22.3 33.5



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: 3.195 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Instrument :

BNA_G

ClientSampleId :

NM-EB-05

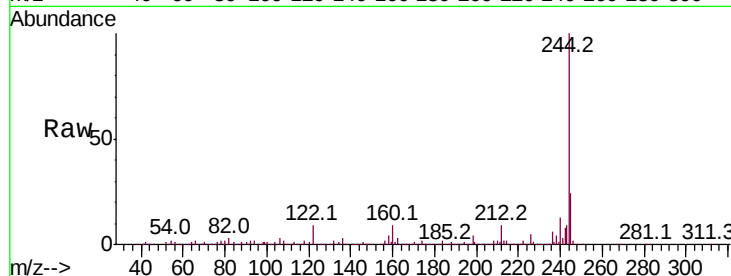
Tot Ion:184 Resp: 37893

Ion Ratio Lower Upper

184 100

185 16.1 11.7 17.5

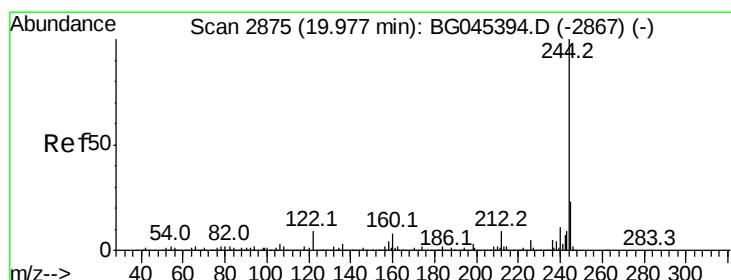
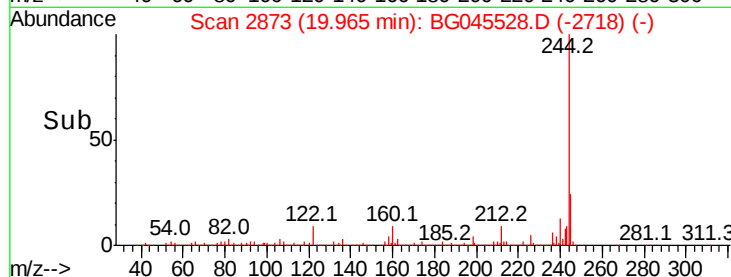
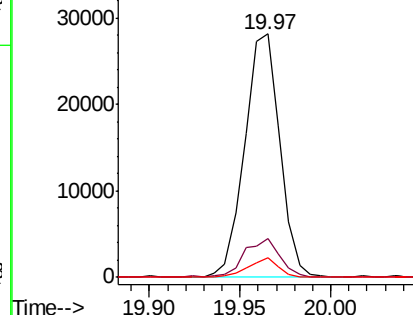
183 7.9 10.2 15.4#



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: 108.544 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.00 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

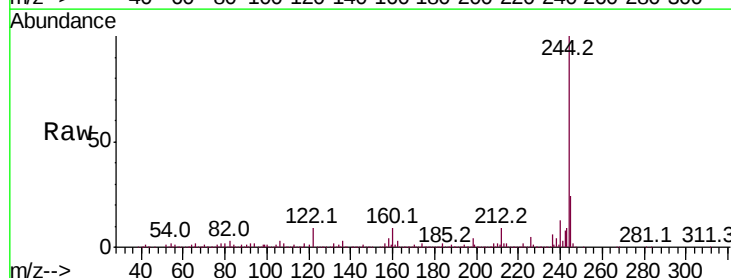
Tgt Ion:244 Resp: 1965490

Ion Ratio Lower Upper

244 100

212 9.3 7.4 11.0

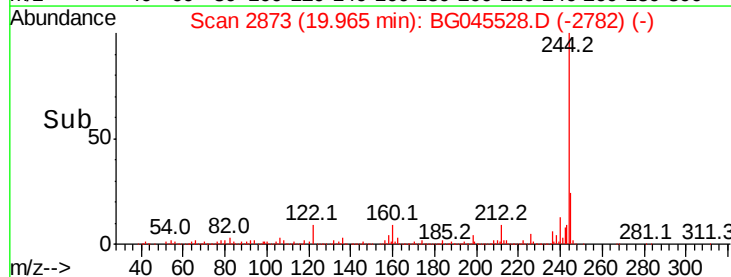
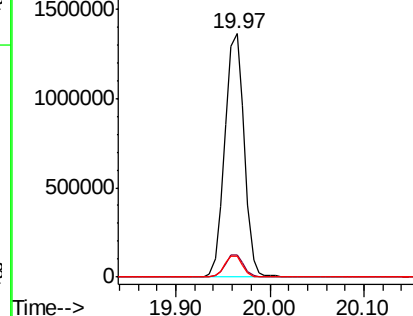
122 8.6 6.8 10.2

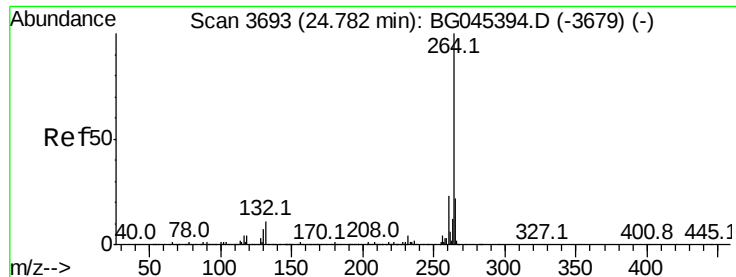


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.75 min Scan# 3688

Delta R.T. -0.00 min

Lab File: BG045528.D

Acq: 29 May 2020 17:58

Instrument :

BNA_G

ClientSampleId :

NM-EB-05

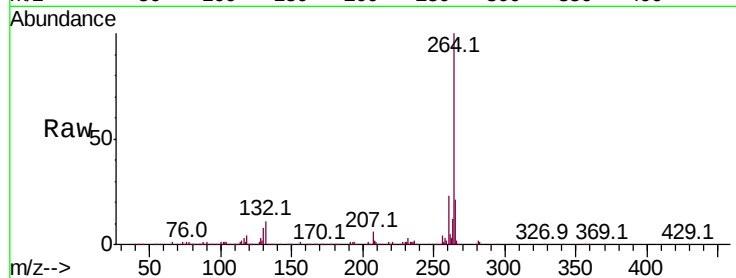
Tot Ion:264 Resp: 447326

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 20.7 17.6 26.4



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

