

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG052720\
 Data File : BG045474.D
 Acq On : 27 May 2020 13:34
 Operator : CG/JU
 Sample : PB129112BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129112BL

Quant Time: May 27 14:34:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 13:40:45 2020
 Response via : Initial Calibration

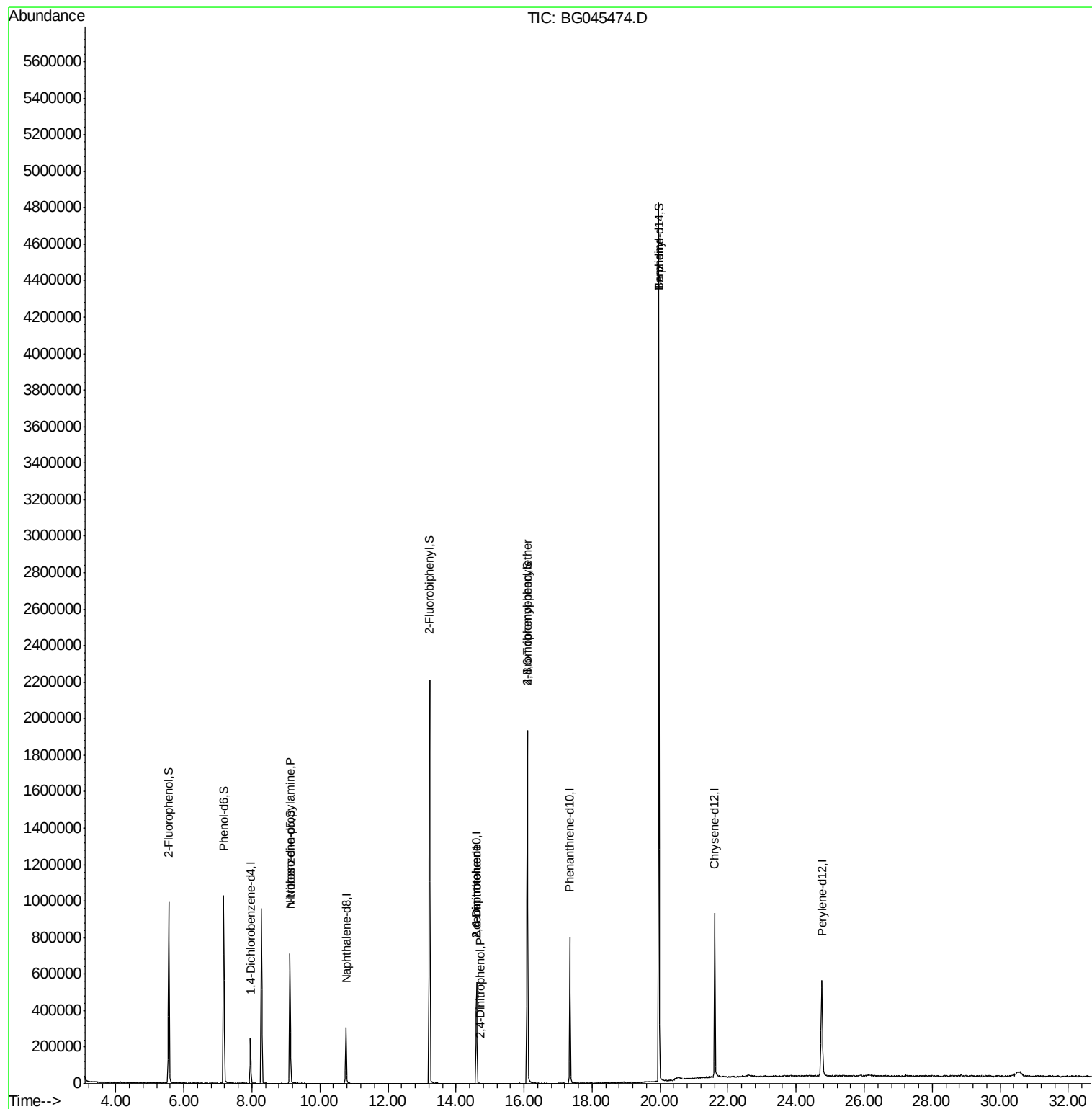
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	72716	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	293572	20.00	ng	0.00
39) Acenaphthene-d10	14.60	164	219880	20.00	ng	0.00
64) Phenanthrene-d10	17.35	188	539943	20.00	ng	0.00
76) Chrysene-d12	21.61	240	578472	20.00	ng	0.00
87) Perylene-d12	24.76	264	587979	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	496639	133.48	ng	0.00
7) Phenol-d6	7.17	99	706156	133.34	ng	0.00
23) Nitrobenzene-d5	9.12	82	504708	93.75	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	403530	143.50	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1198682	92.47	ng	0.00
79) Terphenyl-d14	19.97	244	2320989	93.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.12	70	67330	18.385	ng	# 80
51) 2,6-Dinitrotoluene	14.60	165	28626	8.410	ng	# 23
54) 2,4-Dinitrophenol	14.70	184	112	5.506	ng	# 17
57) 2,4-Dinitrotoluene	14.60	165	28626	5.807	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	27182	4.649	ng	# 1
77) Benzidine	19.97	184	44633	2.747	ng	# 86

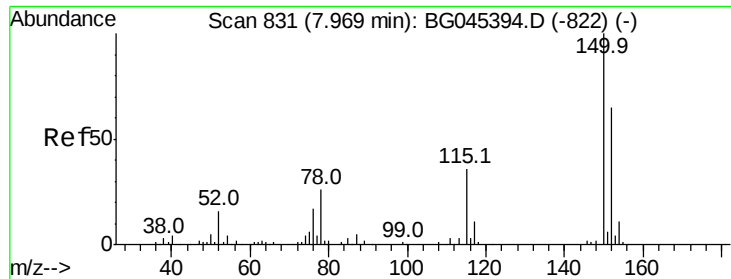
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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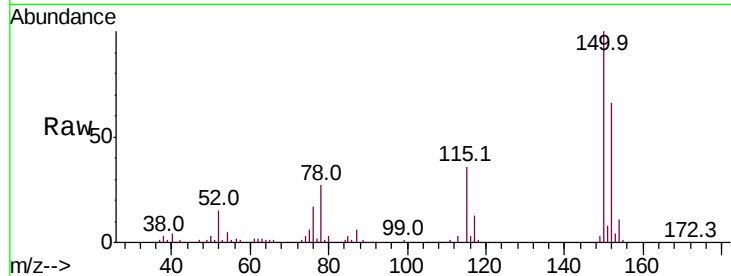


#1

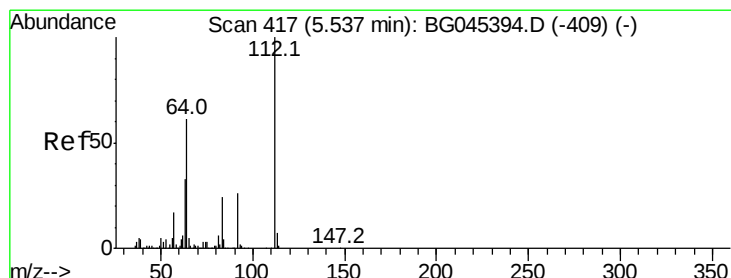
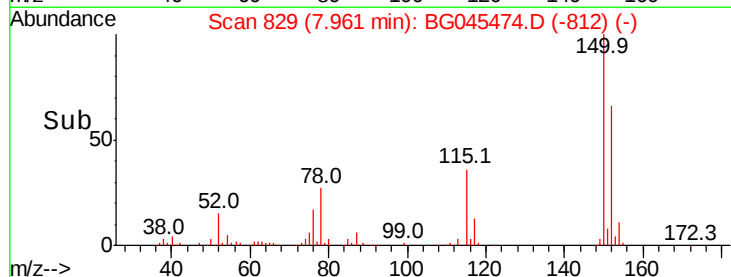
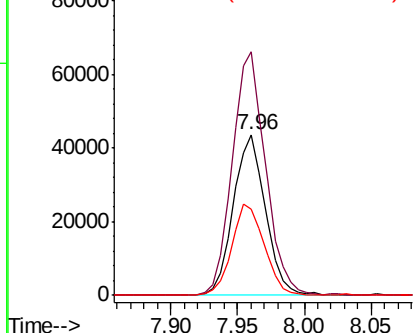
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.96 min Scan# 829
 Delta R.T. 0.00 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

Instrument :
 BNA_G
 ClientSampleId :
 PB129112BL

Tot Ion:152 Resp: 72716
 Ion Ratio Lower Upper
 152 100
 150 151.6 122.4 183.6
 115 54.0 44.2 66.4



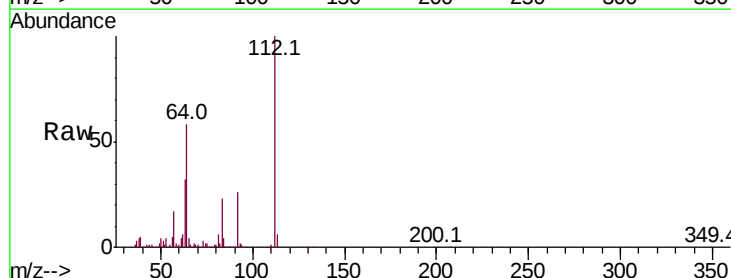
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



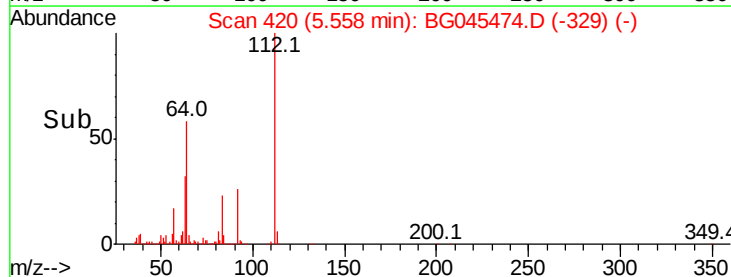
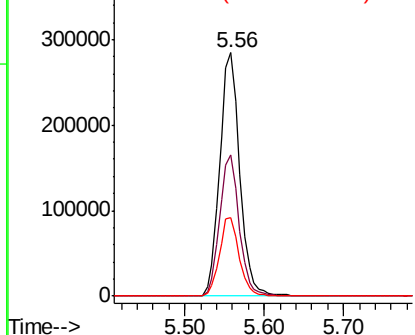
#5

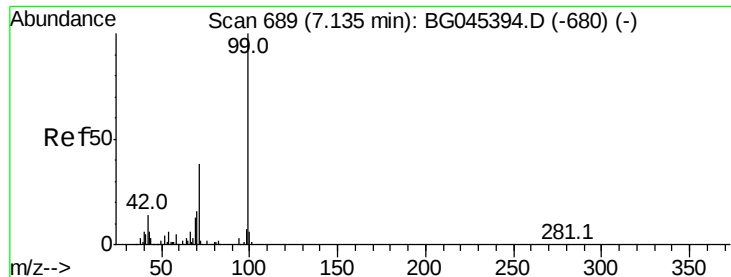
2-Fluorophenol
 Concen: 133.475 ng
 RT: 5.56 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

Tgt Ion:112 Resp: 496639
 Ion Ratio Lower Upper
 112 100
 64 58.0 48.6 72.8
 63 32.1 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: 133.341 ng

RT: 7.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: BG045474.D

Acq: 27 May 2020 13:34

Instrument :

BNA_G

ClientSampleId :

PB129112BL

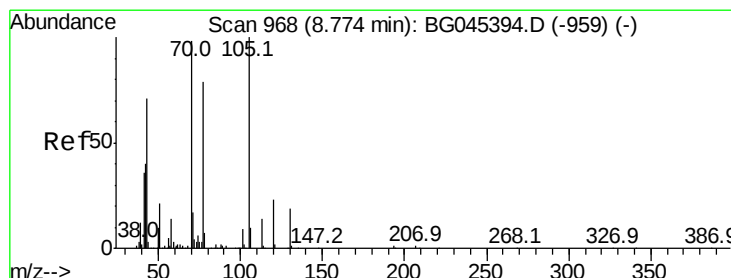
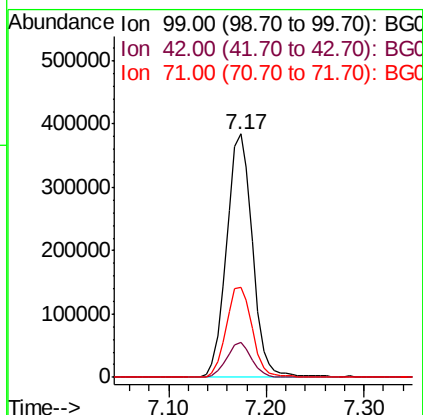
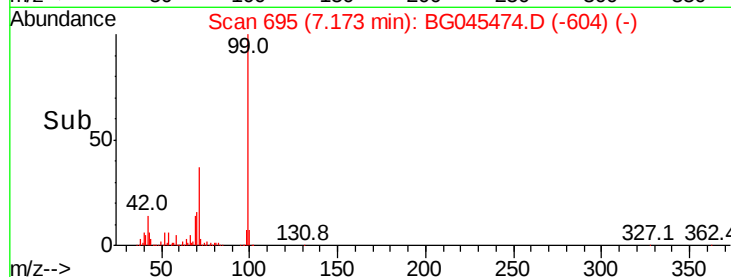
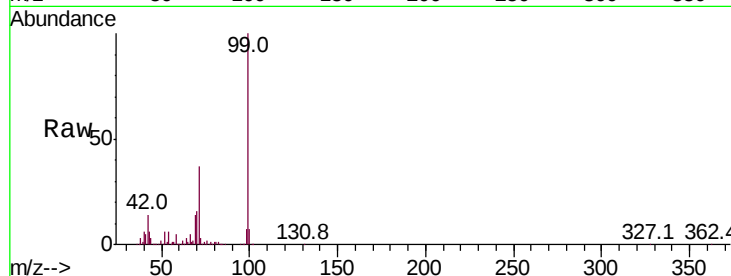
Tot Ion: 99 Resp: 706156

Ion Ratio Lower Upper

99 100

42 14.1 11.3 16.9

71 37.2 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 18.385 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.36 min

Lab File: BG045474.D

Acq: 27 May 2020 13:34

Tgt Ion: 70 Resp: 67330

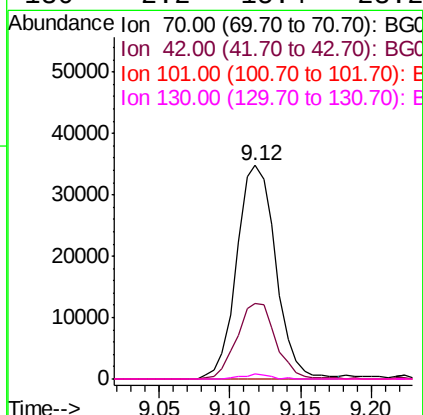
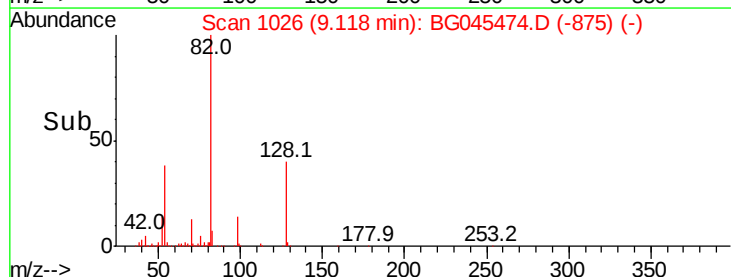
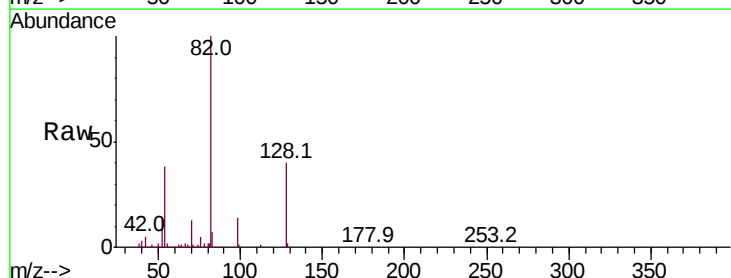
Ion Ratio Lower Upper

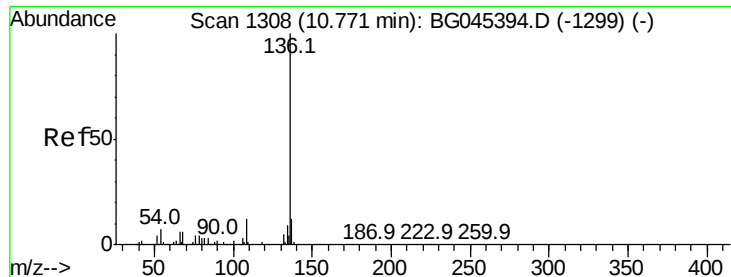
70 100

42 35.5 33.2 49.8

101 0.0 7.8 11.6#

130 2.2 15.4 23.2#

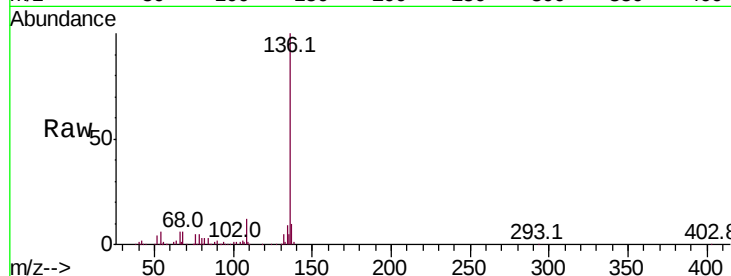




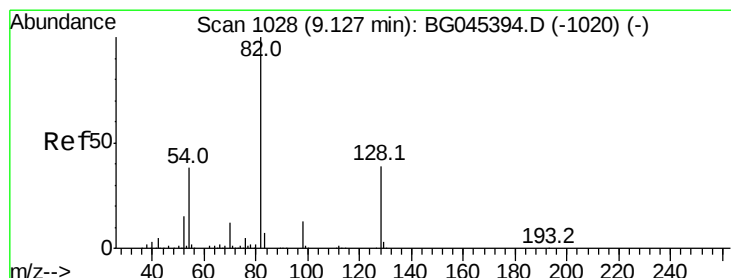
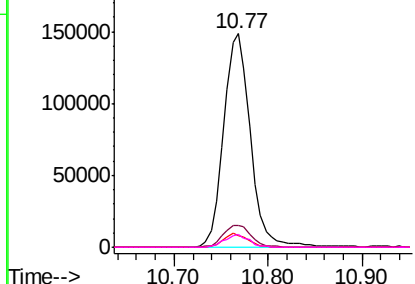
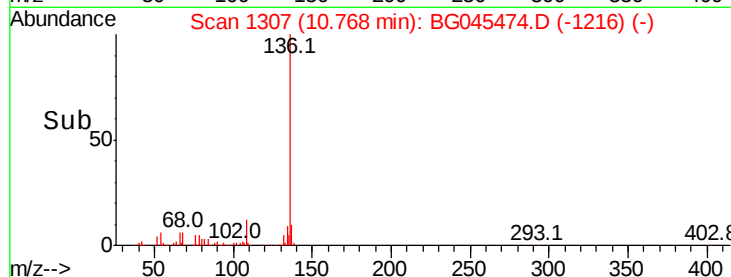
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.77 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BG045474.D
Acq: 27 May 2020 13:34

Instrument :
BNA_G
ClientSampleId :
PB129112BL

Tot Ion:136	Resp:	293572
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.4 14.2
54	5.6	5.8 8.6#
68	6.2	4.5 6.7

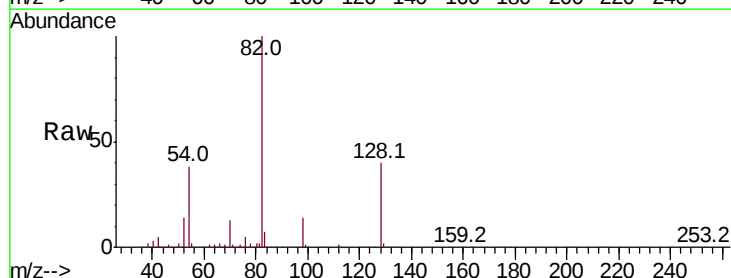


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

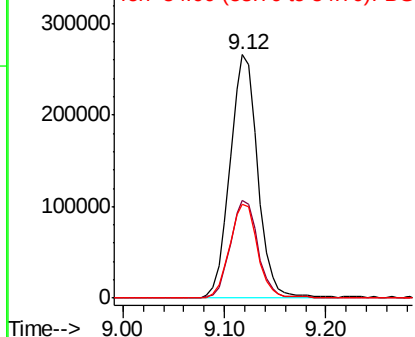
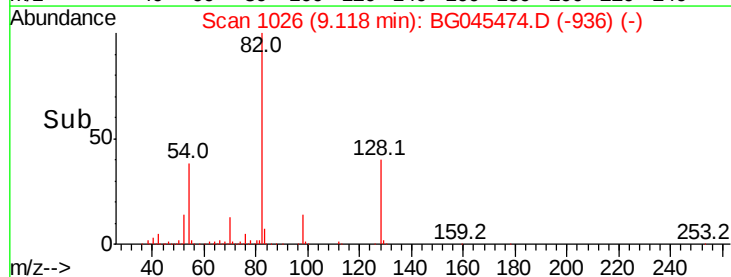


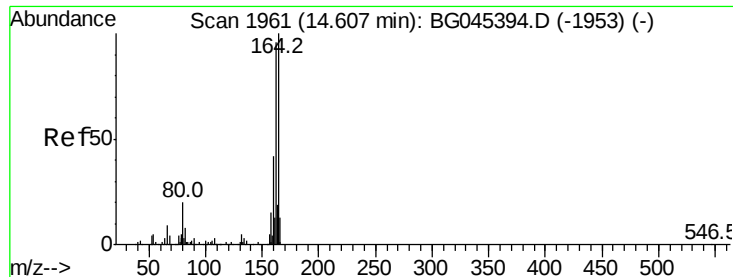
#23
Nitrobenzene-d5
Concen: 93.750 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BG045474.D
Acq: 27 May 2020 13:34

Tgt Ion: 82	Resp:	504708
Ion Ratio	Lower	Upper
82	100	
128	40.2	30.9 46.3
54	38.3	30.3 45.5



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.60 min Scan# 1960

Delta R.T. 0.00 min

Lab File: BG045474.D

Acq: 27 May 2020 13:34

Instrument :

BNA_G

ClientSampleId :

PB129112BL

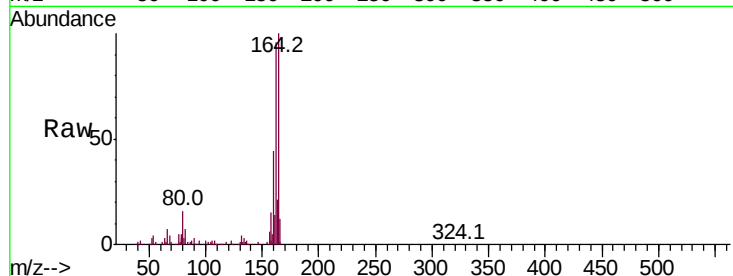
Tot Ion:164 Resp: 219880

Ion Ratio Lower Upper

164 100

162 96.2 76.9 115.3

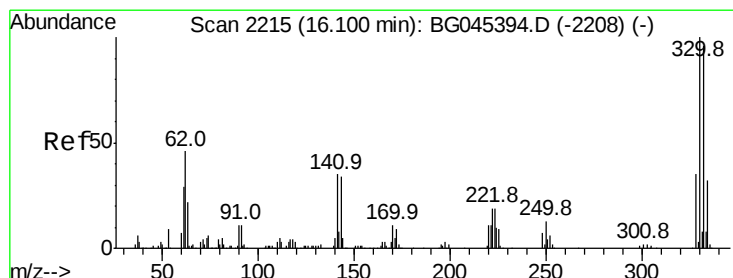
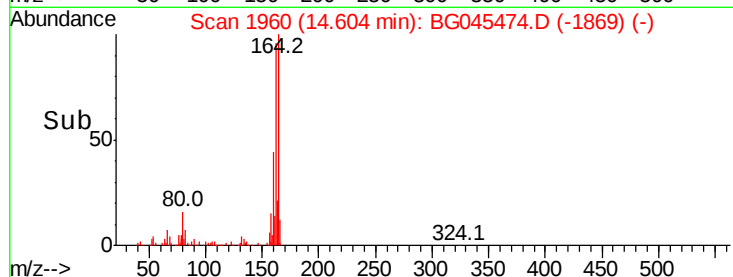
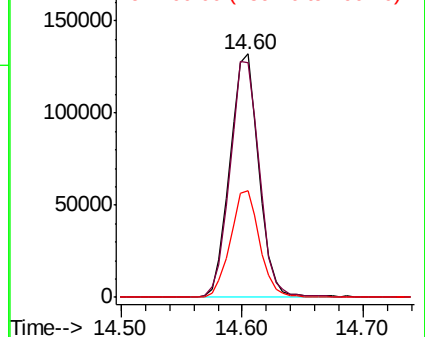
160 43.9 33.8 50.8



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: 143.502 ng

RT: 16.10 min Scan# 2214

Delta R.T. -0.00 min

Lab File: BG045474.D

Acq: 27 May 2020 13:34

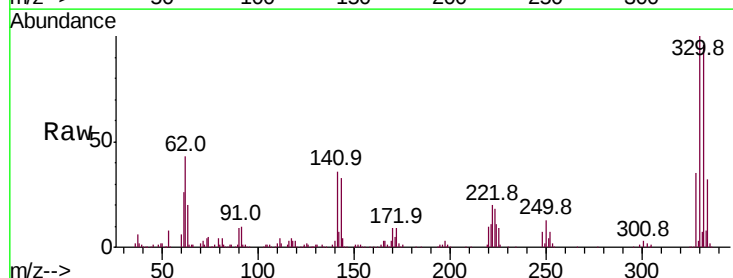
Tgt Ion:330 Resp: 403530

Ion Ratio Lower Upper

330 100

332 97.4 78.2 117.4

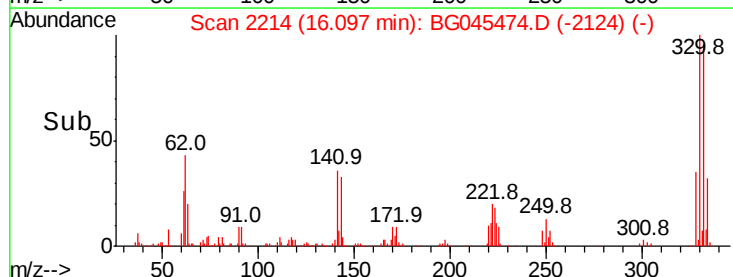
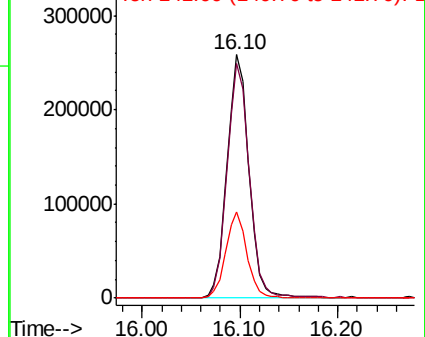
141 34.3 28.2 42.4

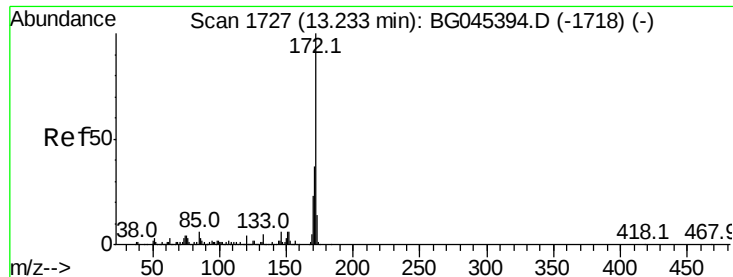


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



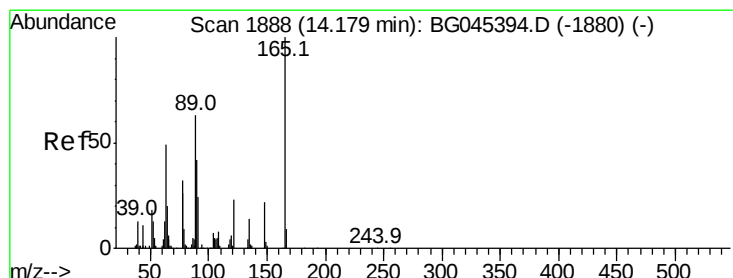
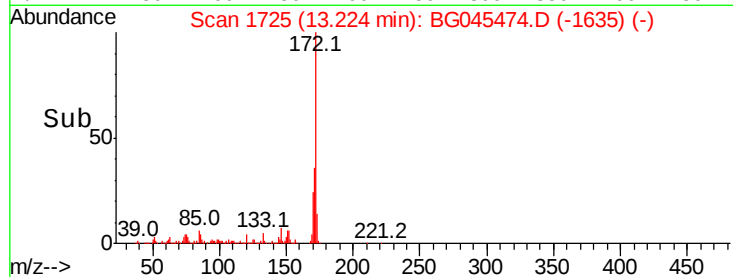
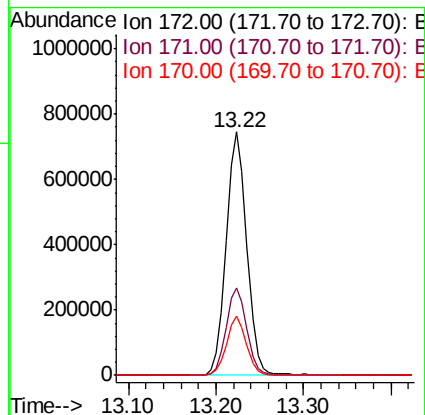
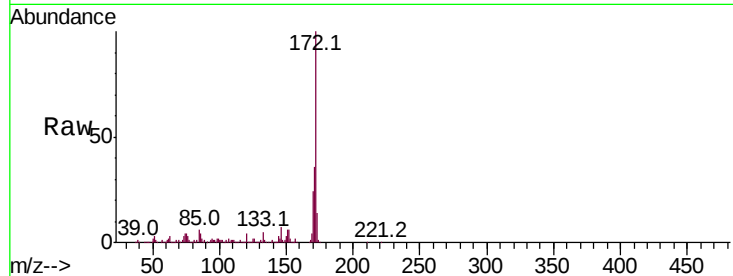


#45
 2-Fluorobiphenyl
 Concen: 92.469 ng
 RT: 13.22 min Scan# 1725
 Delta R.T. -0.00 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

Instrument :
 BNA_G
 ClientSampleId :
 PB129112BL

Tot Ion:172 Resp: 1198682

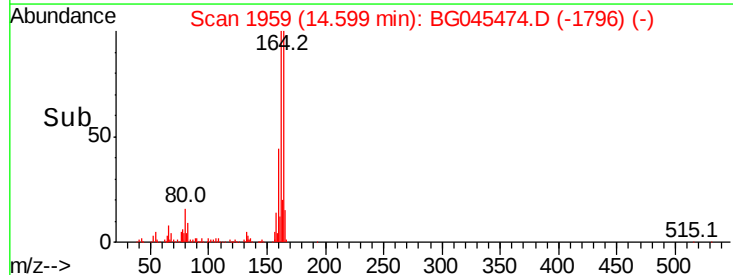
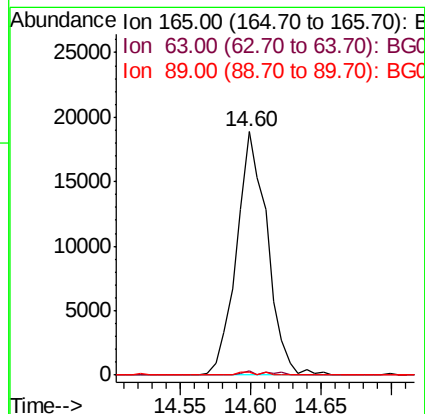
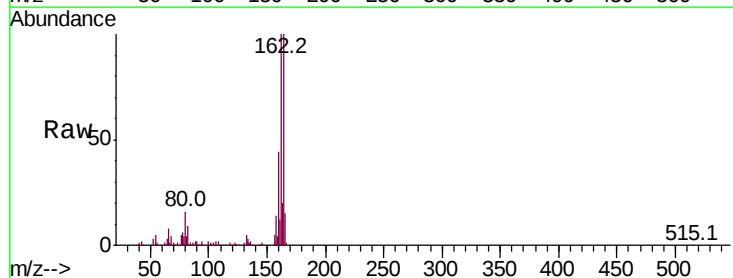
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.5	44.3
170	24.2	18.5	27.7

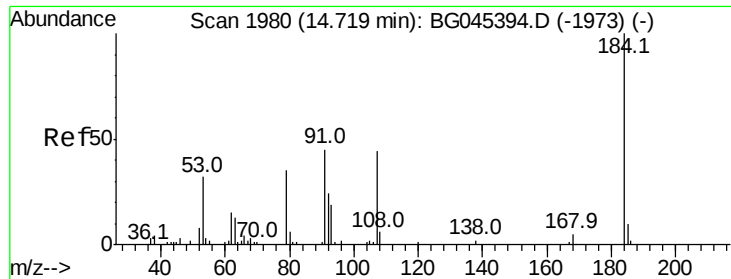


#51
 2,6-Dinitrotoluene
 Concen: 8.410 ng
 RT: 14.60 min Scan# 1959
 Delta R.T. 0.43 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

Tgt Ion:165 Resp: 28626

Ion	Ratio	Lower	Upper
165	100		
63	2.0	45.0	67.4#
89	1.3	50.2	75.4#

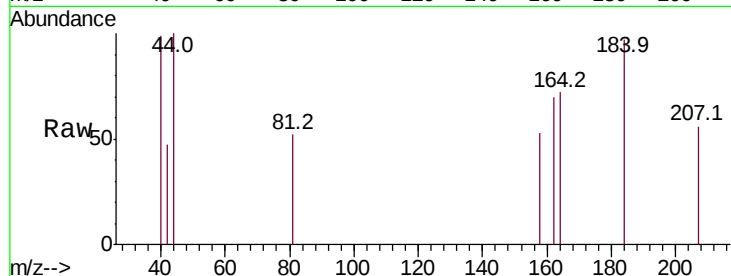




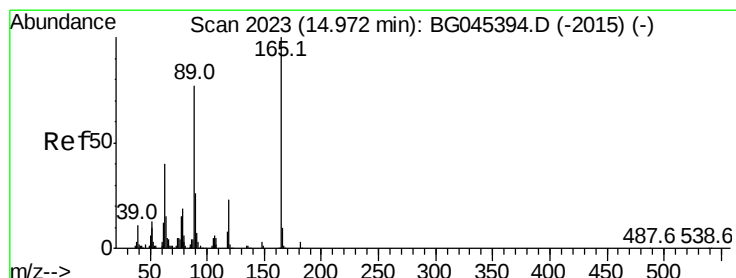
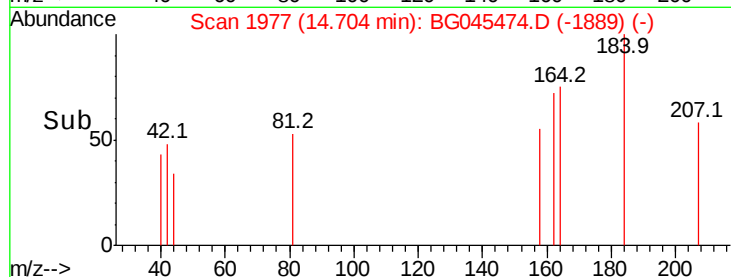
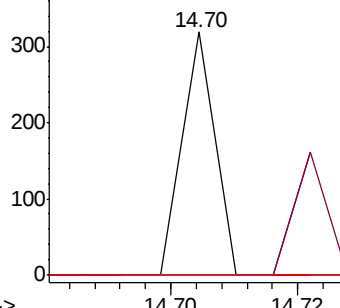
#54
2,4-Dinitrophenol
Concen: 5.506 ng
RT: 14.70 min Scan# 1977
Delta R.T. -0.01 min
Lab File: BG045474.D
Acq: 27 May 2020 13:34

Instrument :
BNA_G
ClientSampleId :
PB129112BL

Tot Ion:184 Resp: 112
Ion Ratio Lower Upper
184 100
63 0.0 47.8 71.6#
154 0.0 58.3 87.5#

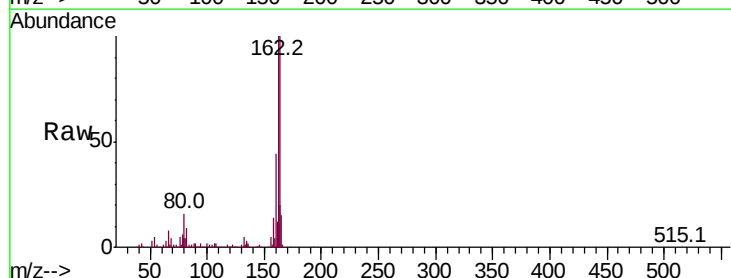


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

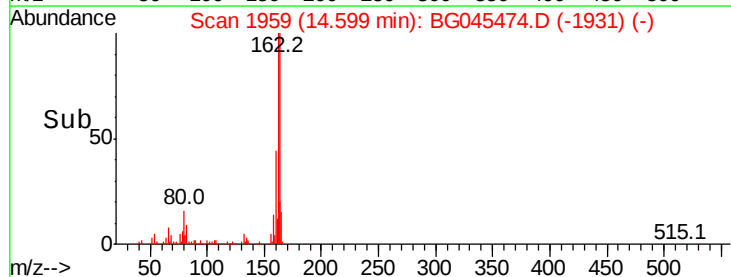
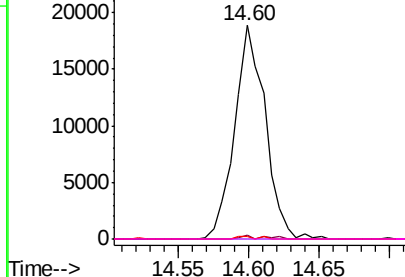


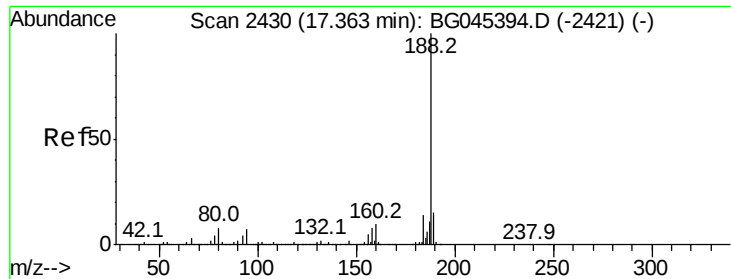
#57
2,4-Dinitrotoluene
Concen: 5.807 ng
RT: 14.60 min Scan# 1959
Delta R.T. -0.37 min
Lab File: BG045474.D
Acq: 27 May 2020 13:34

Tgt Ion:165 Resp: 28626
Ion Ratio Lower Upper
165 100
63 2.0 32.5 48.7#
89 1.3 61.8 92.6#
182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E

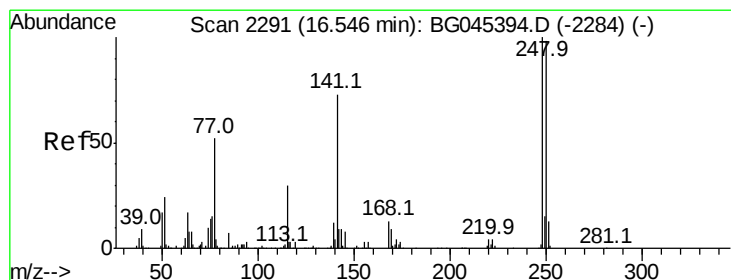
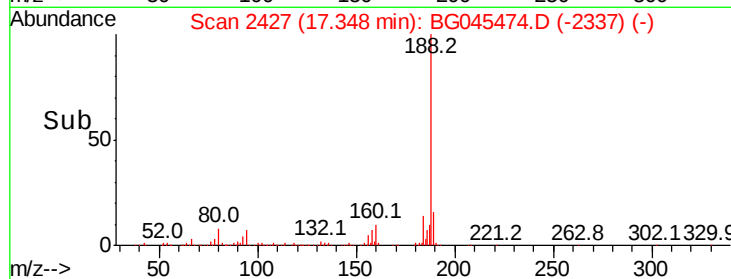
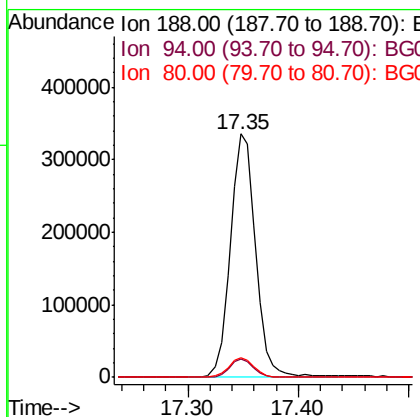
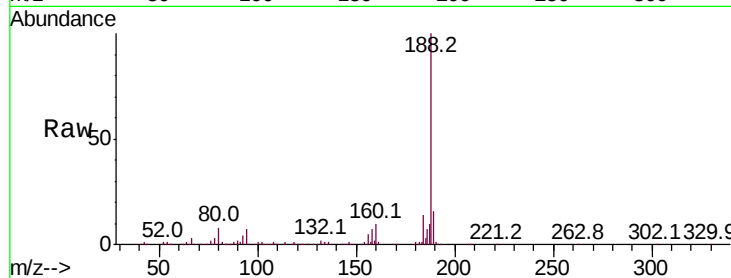




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.35 min Scan# 2427
 Delta R.T. -0.00 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

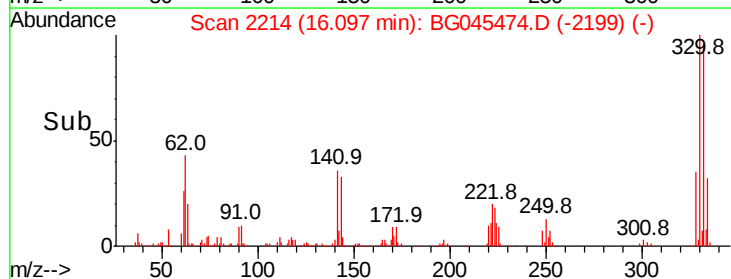
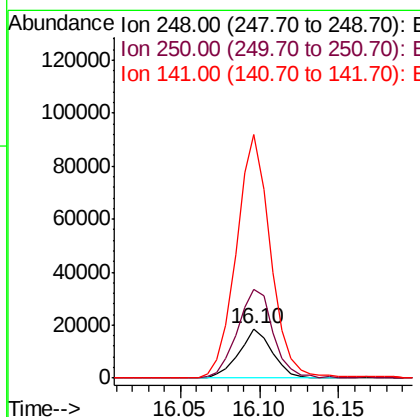
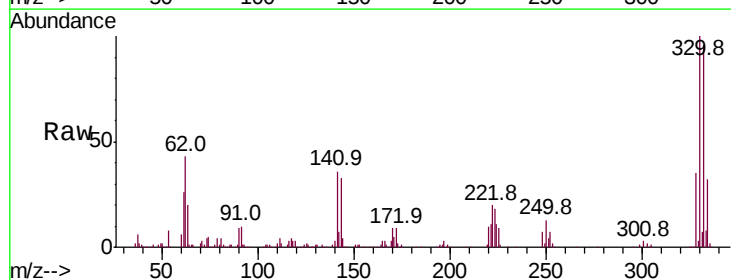
Instrument :
 BNA_G
 ClientSampleId :
 PB129112BL

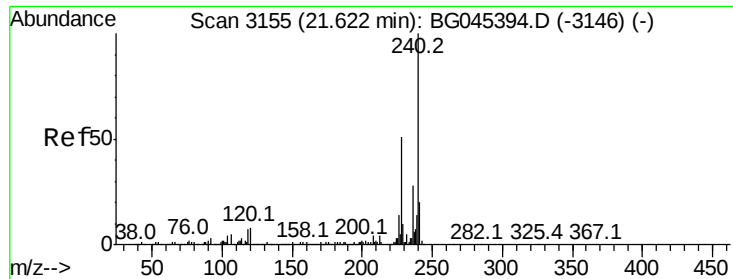
Tot Ion:188 Resp: 539943
 Ion Ratio Lower Upper
 188 100
 94 7.5 5.5 8.3
 80 8.3 6.6 10.0



#67
 4-Bromophenyl-phenylether
 Concen: 4.649 ng
 RT: 16.10 min Scan# 2214
 Delta R.T. -0.44 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

Tgt Ion:248 Resp: 27182
 Ion Ratio Lower Upper
 248 100
 250 178.1 78.6 117.8#
 141 489.9 58.2 87.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.61 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BG045474.D

Acq: 27 May 2020 13:34

Instrument :

BNA_G

ClientSampleId :

PB129112BL

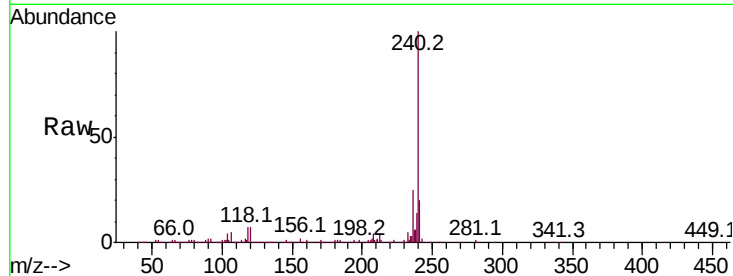
Tot Ion:240 Resp: 578472

Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

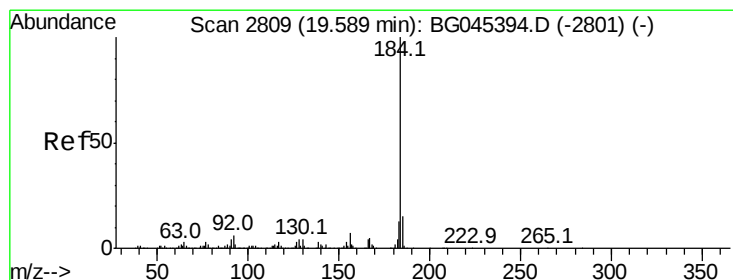
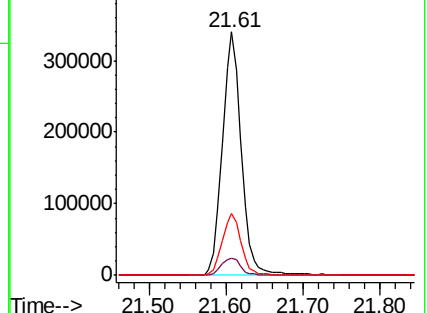
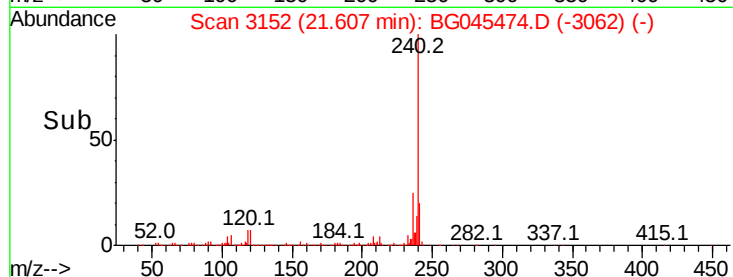
236 25.4 22.3 33.5



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: 2.747 ng

RT: 19.97 min Scan# 2873

Delta R.T. 0.38 min

Lab File: BG045474.D

Acq: 27 May 2020 13:34

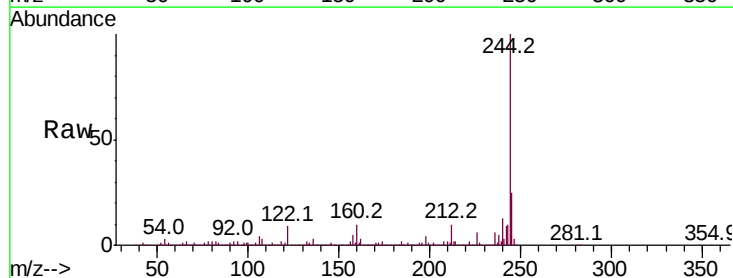
Tgt Ion:184 Resp: 44633

Ion Ratio Lower Upper

184 100

185 18.9 11.7 17.5#

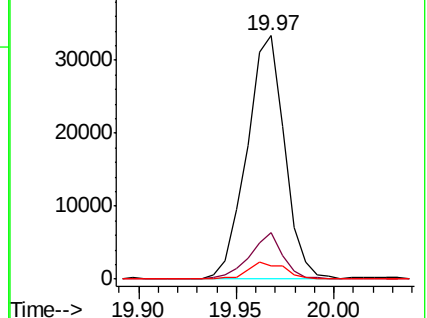
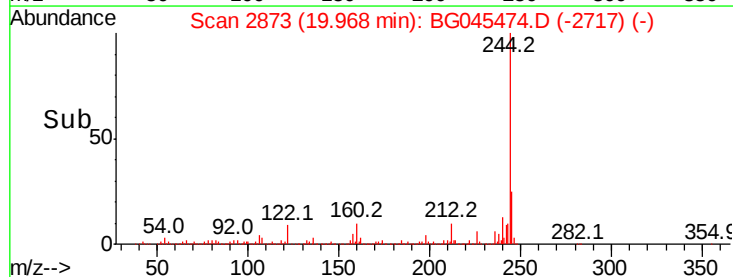
183 5.7 10.2 15.4#

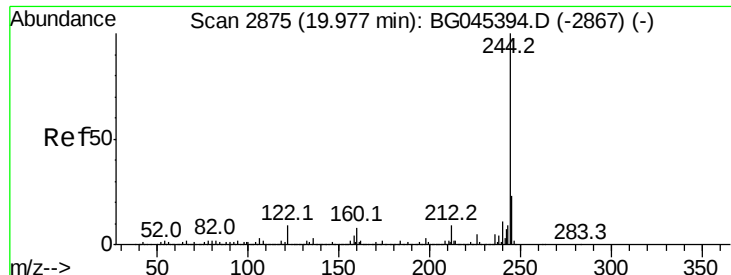


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



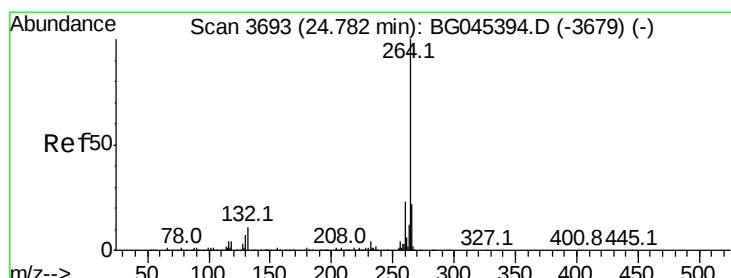
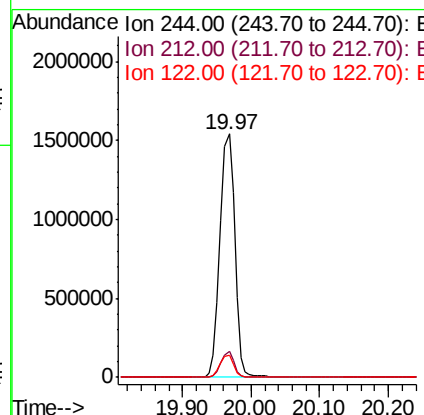
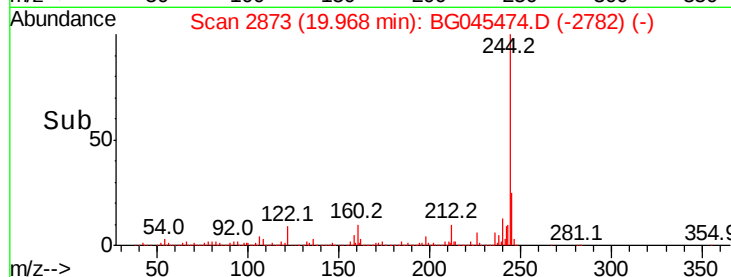
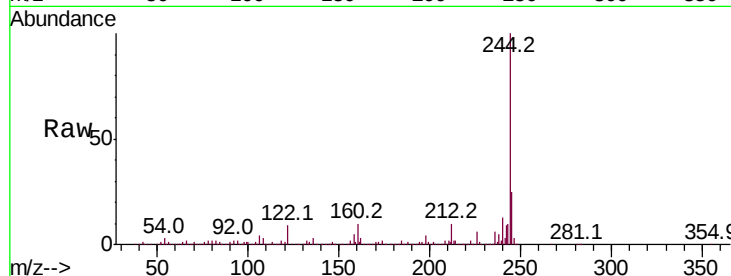


#79
 Terphenyl-d14
 Concen: 93.578 ng
 RT: 19.97 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

Instrument :
 BNA_G
 ClientSampleId :
 PB129112BL

Tot Ion:244 Resp: 2320989

Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.4	11.0
122	9.3	6.8	10.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.76 min Scan# 3688
 Delta R.T. -0.00 min
 Lab File: BG045474.D
 Acq: 27 May 2020 13:34

Tgt Ion:264 Resp: 587979

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.2	27.4
265	22.0	17.6	26.4

