

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061620\
 Data File : BG045772.D
 Acq On : 16 Jun 2020 12:12
 Operator : CG/JU
 Sample : PB129506BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129506BL

Quant Time: Jun 16 13:28:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

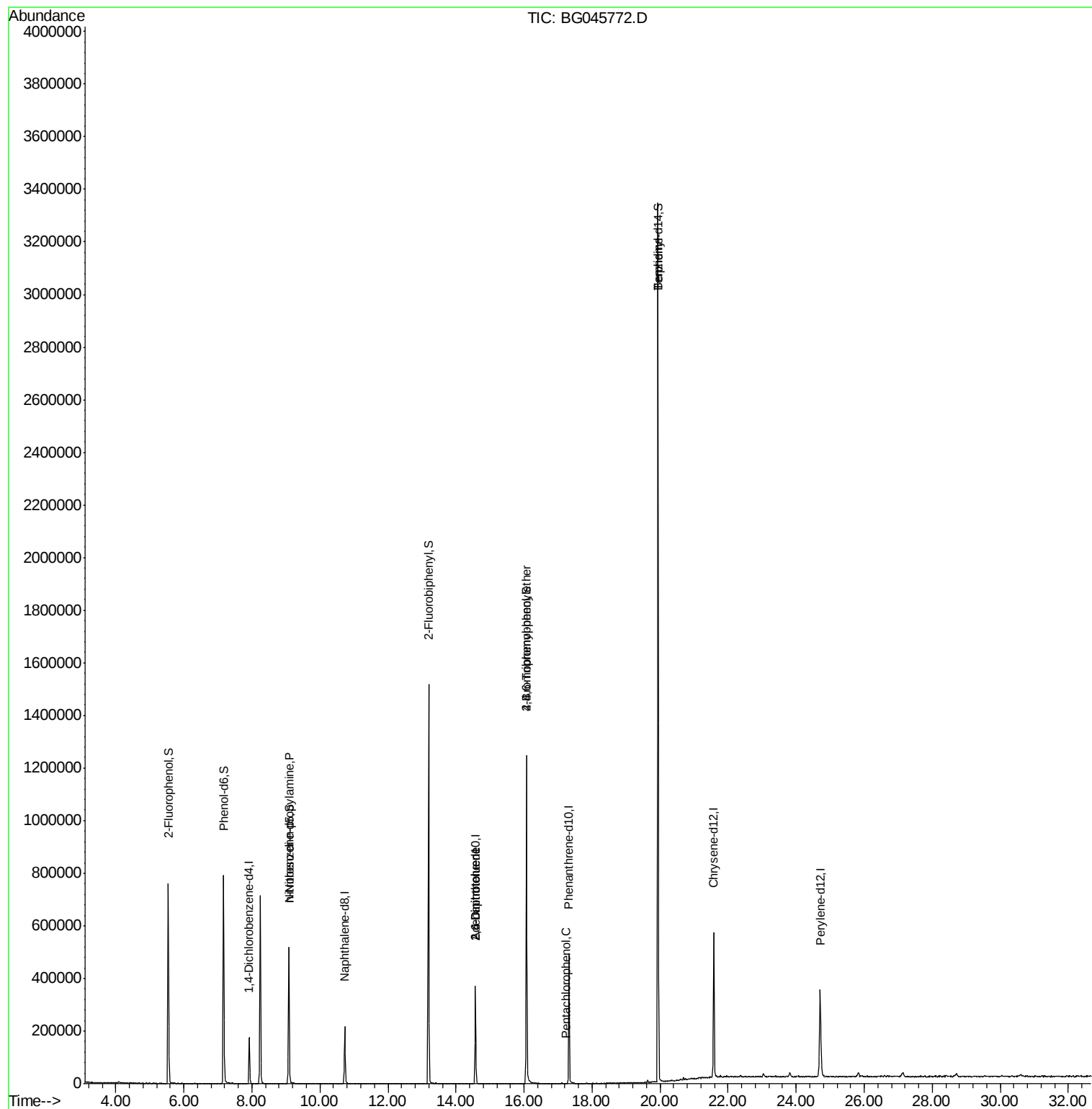
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	51403	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	204806	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	148664	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	347768	20.00	ng	0.00
76) Chrysene-d12	21.58	240	368637	20.00	ng	0.00
86) Perylene-d12	24.71	264	381425	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	367650	120.82	ng	0.00
7) Phenol-d6	7.17	99	511412	110.49	ng	0.00
23) Nitrobenzene-d5	9.09	82	364397	81.28	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	258745	115.28	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	850610	84.08	ng	0.00
79) Terphenyl-d14	19.94	244	1600529	87.99	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	49663	16.320	ng	# 77
51) 2,6-Dinitrotoluene	14.57	165	18829	7.198	ng	# 24
57) 2,4-Dinitrotoluene	14.57	165	18829	5.024	ng	# 22
67) 4-Bromophenyl-phenylether	16.07	248	17105	3.785	ng	# 1
70) Pentachlorophenol	17.22	266	56	7.654	ng	# 17
77) Benzidine	19.94	184	29244	3.052	ng	# 87

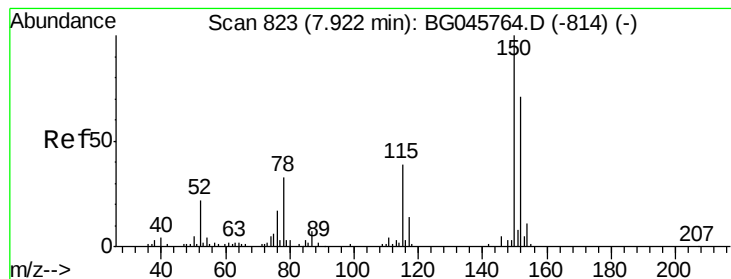
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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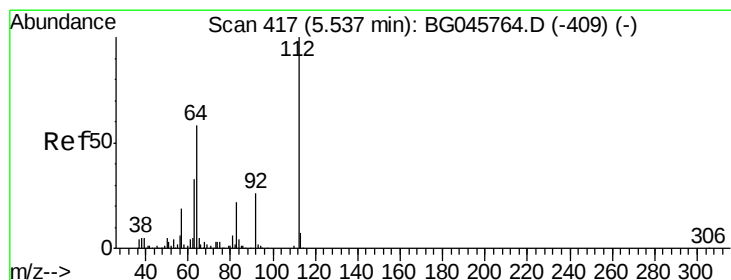
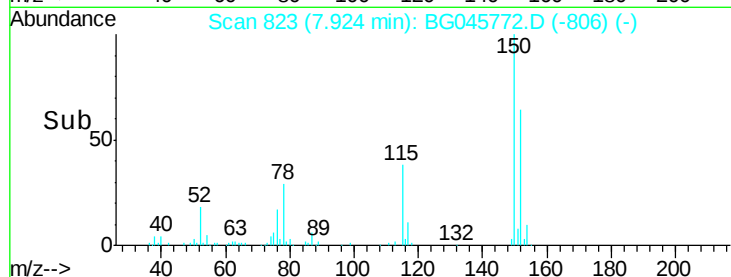
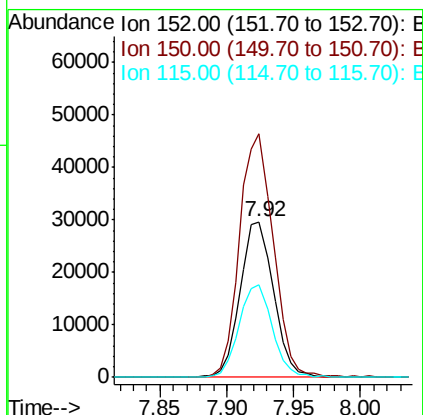
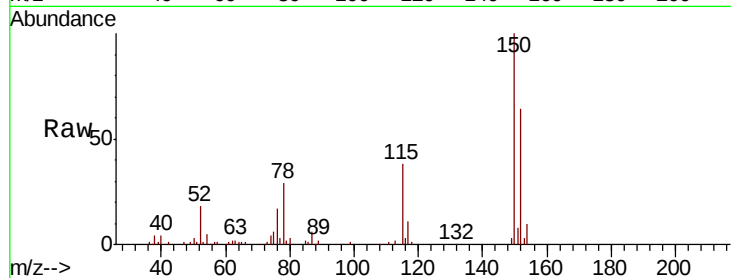


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 823
Delta R.T. 0.00 min
Lab File: BG045772.D
Acq: 16 Jun 2020 12:12

Instrument :
BNA_G
ClientSampleId :
PB129506BL

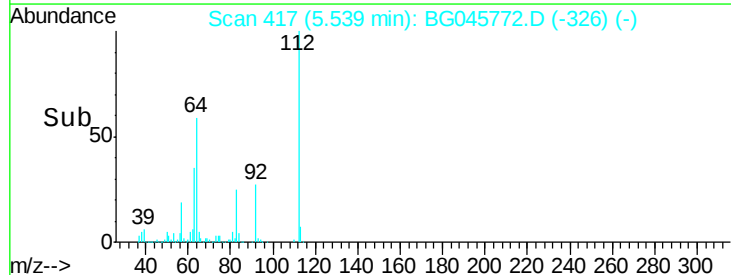
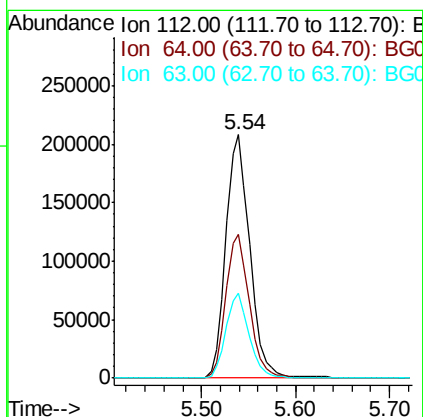
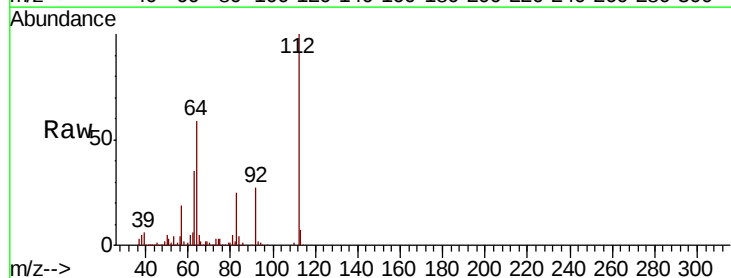
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	113.1	169.7
115	59.4	43.8	65.6

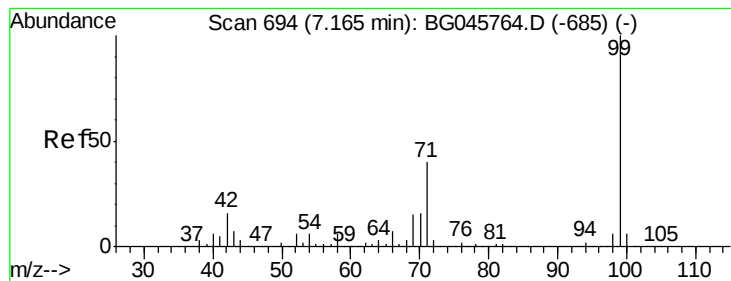


#5

2-Fluorophenol
Concen: 120.819 ng
RT: 5.54 min Scan# 417
Delta R.T. 0.00 min
Lab File: BG045772.D
Acq: 16 Jun 2020 12:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	46.6	69.8
63	34.8	26.3	39.5





#7

Phenol-d6

Concen: 110.489 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

Instrument :

BNA_G

ClientSampleId :

PB129506BL

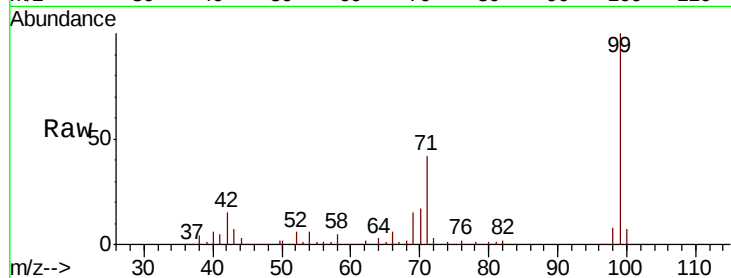
Tot Ion: 99 Resp: 511412

Ion Ratio Lower Upper

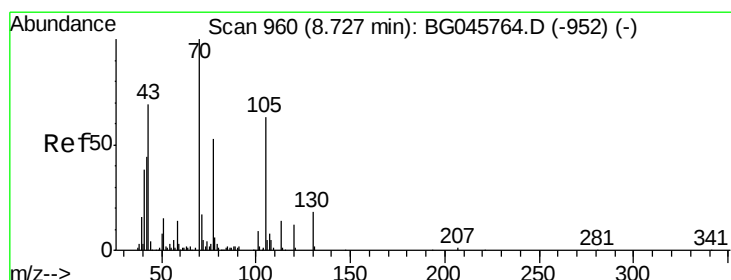
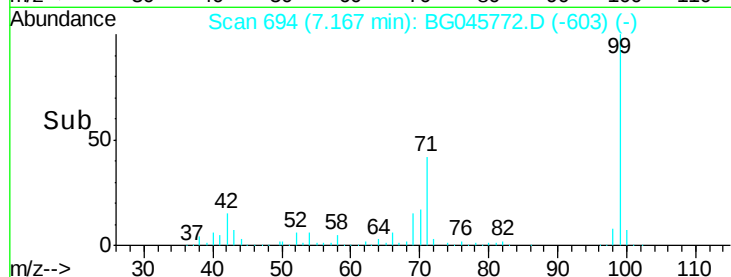
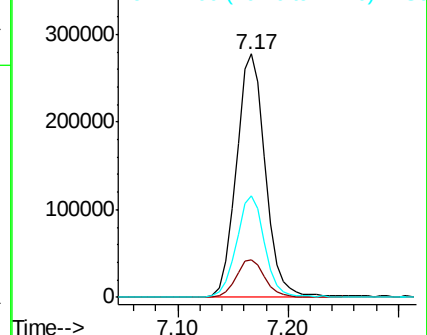
99 100

42 15.3 12.4 18.6

71 41.7 32.1 48.1



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: 16.320 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

Tgt Ion: 70 Resp: 49663

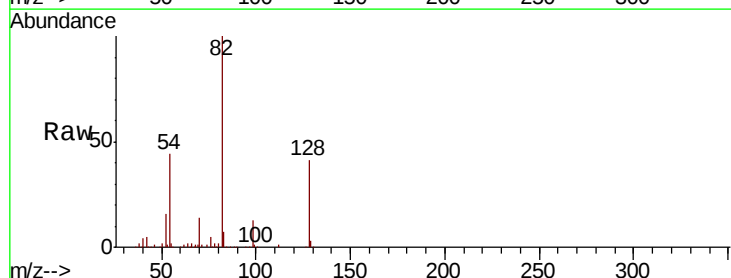
Ion Ratio Lower Upper

70 100

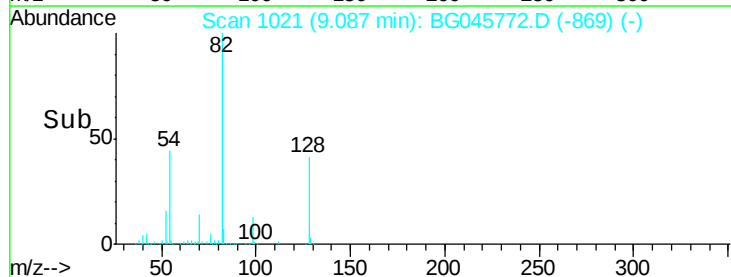
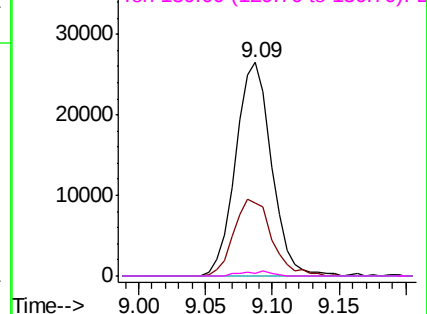
42 33.9 35.1 52.7#

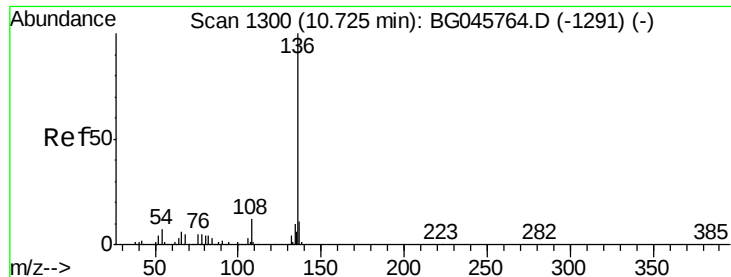
101 0.0 7.4 11.0#

130 1.2 14.6 21.8#



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

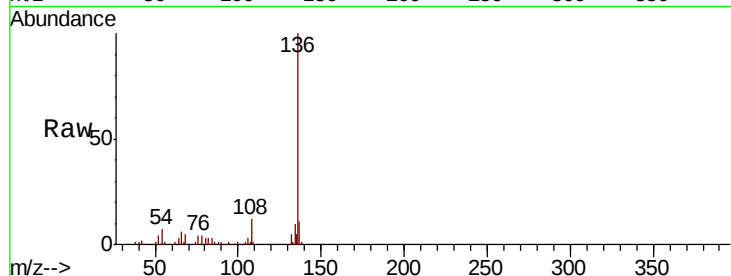




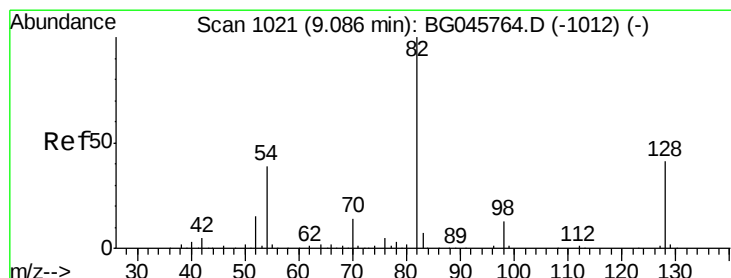
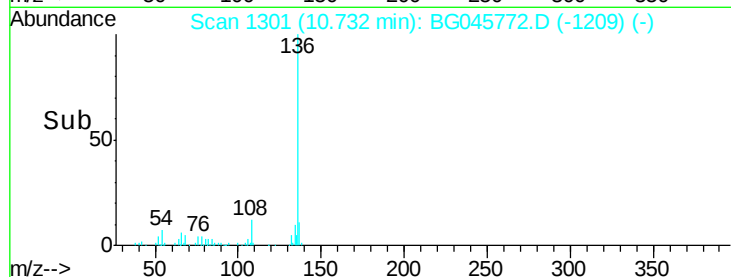
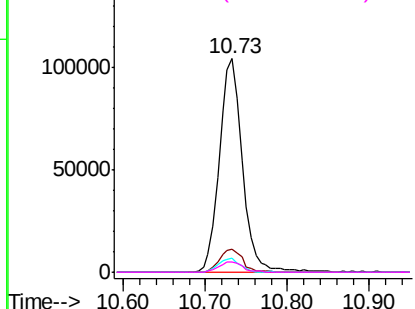
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BG045772.D
Acq: 16 Jun 2020 12:12

Instrument :
BNA_G
ClientSampleId :
PB129506BL

Tot Ion:136	Resp:	204806
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.7 13.1
54	6.6	5.8 8.6
68	4.9	4.0 6.0

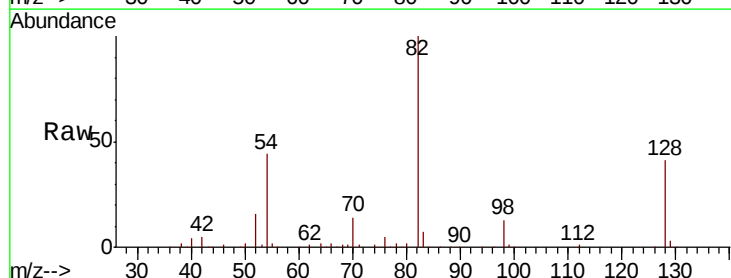


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

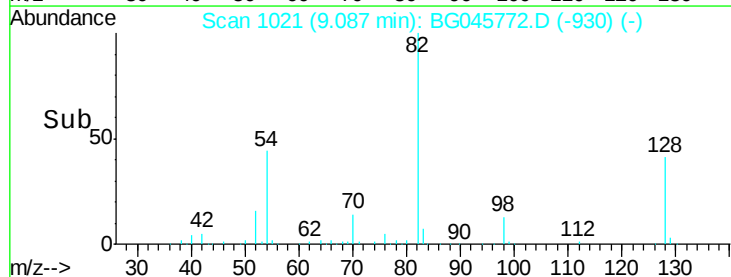
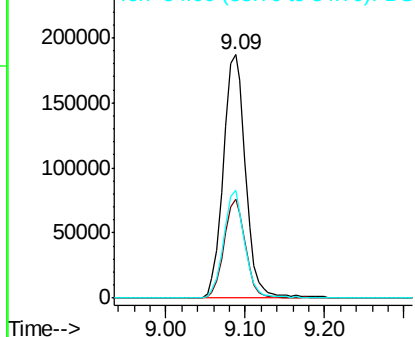


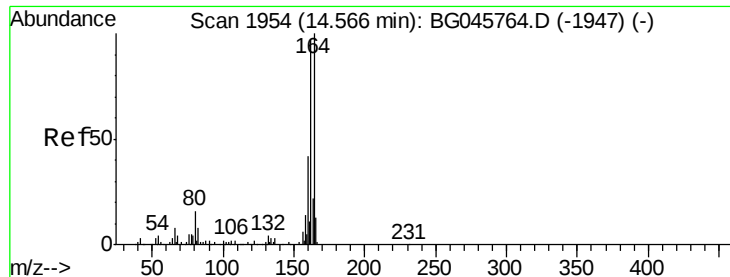
#23
Nitrobenzene-d5
Concen: 81.281 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG045772.D
Acq: 16 Jun 2020 12:12

Tgt Ion: 82	Resp:	364397
Ion Ratio	Lower	Upper
82	100	
128	40.8	32.5 48.7
54	44.1	31.2 46.8



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

Instrument :

BNA_G

ClientSampleId :

PB129506BL

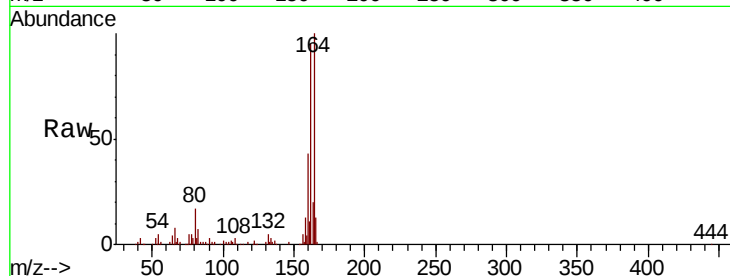
Tot Ion:164 Resp: 148664

Ion Ratio Lower Upper

164 100

162 94.5 77.4 116.0

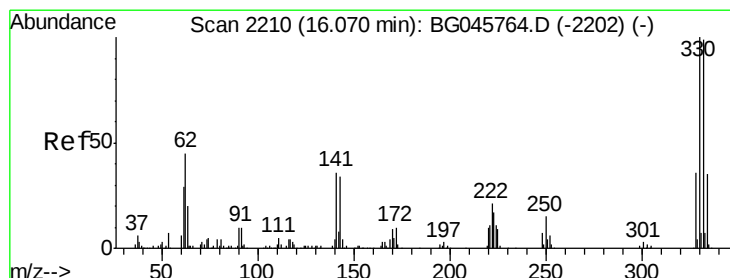
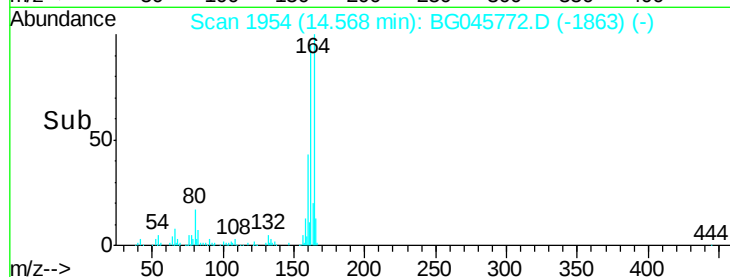
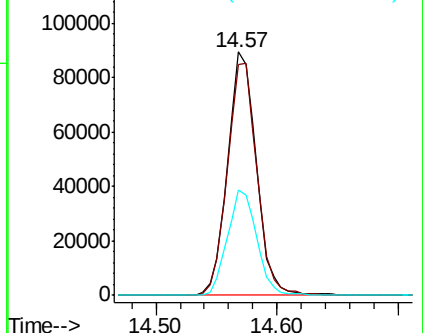
160 43.3 33.3 49.9



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: 115.283 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.00 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

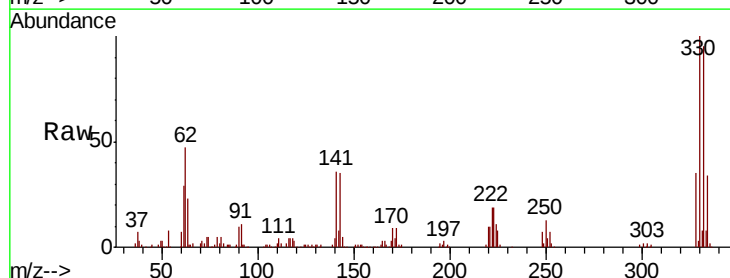
Tgt Ion:330 Resp: 258745

Ion Ratio Lower Upper

330 100

332 96.7 78.6 117.8

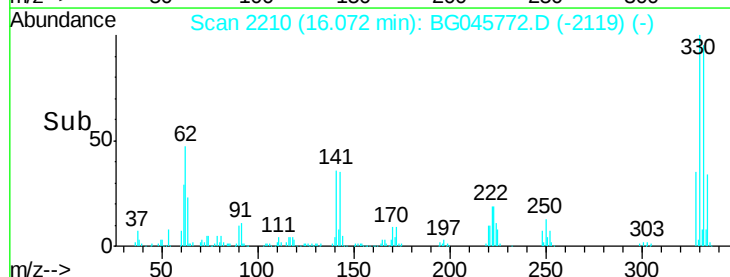
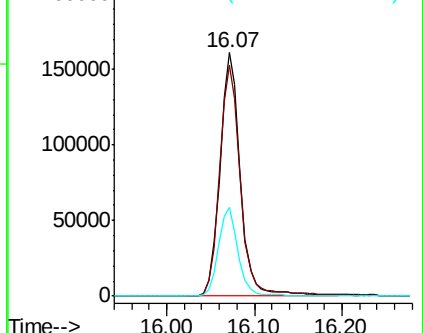
141 35.3 28.2 42.4

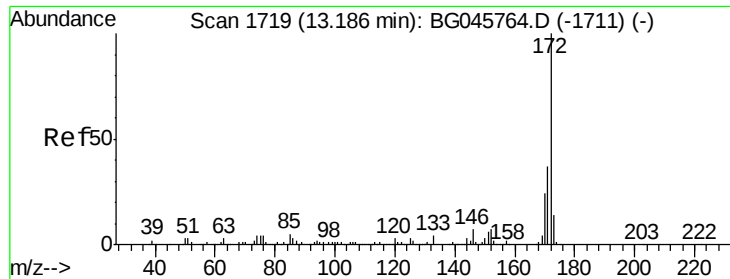


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

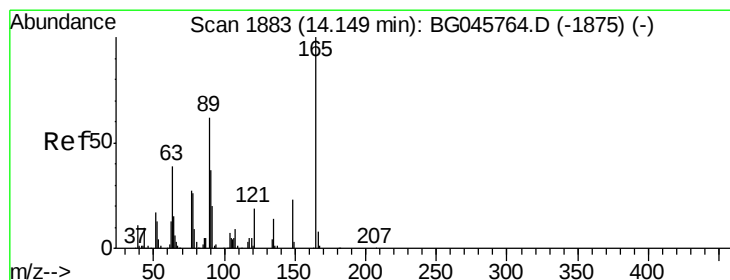
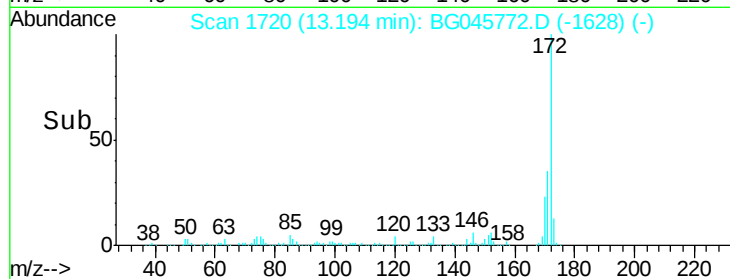
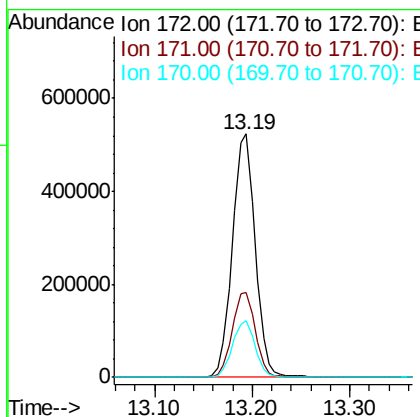
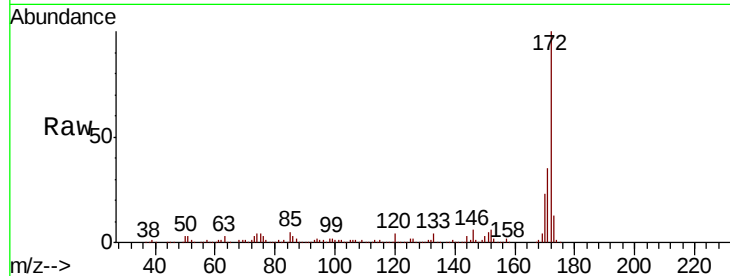




#45
 2-Fluorobiphenyl
 Concen: 84.084 ng
 RT: 13.19 min Scan# 1720
 Delta R.T. 0.01 min
 Lab File: BG045772.D
 Acq: 16 Jun 2020 12:12

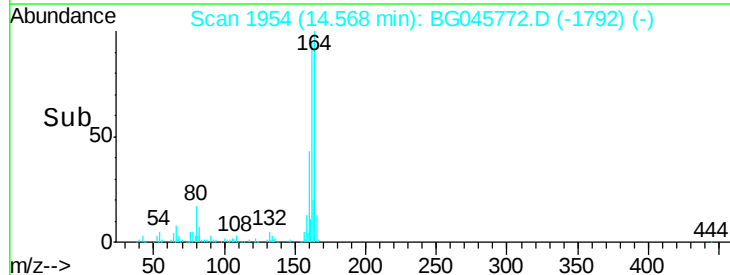
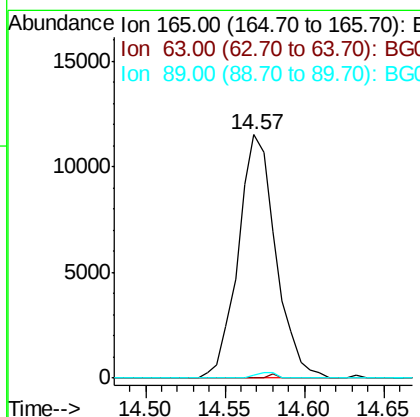
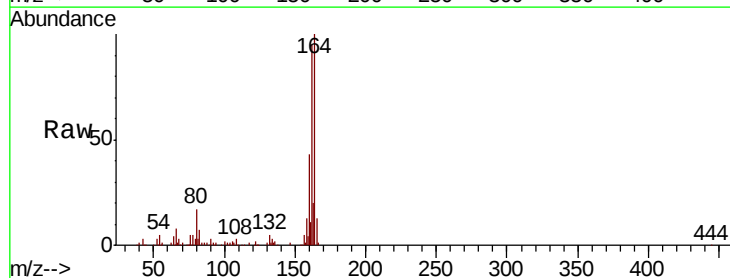
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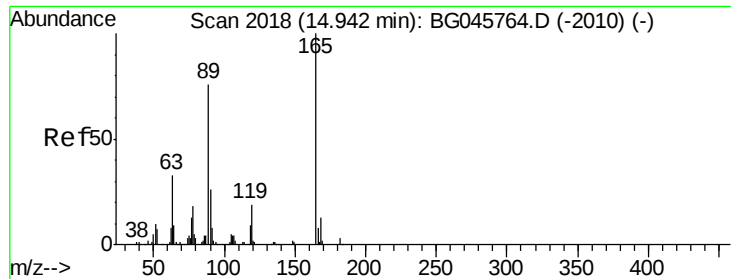
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.9	44.9
170	23.2	19.3	28.9



#51
 2,6-Dinitrotoluene
 Concen: 7.198 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. 0.42 min
 Lab File: BG045772.D
 Acq: 16 Jun 2020 12:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.2	61.8#
89	1.4	49.7	74.5#

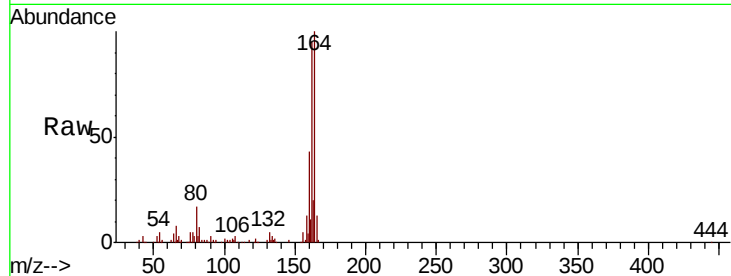




#57
 2,4-Dinitrotoluene
 Concen: 5.024 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.37 min
 Lab File: BG045772.D
 Acq: 16 Jun 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 PB129506BL

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.8	50.8#
89	1.4	60.4	90.6#
182	0.0	2.6	3.8#

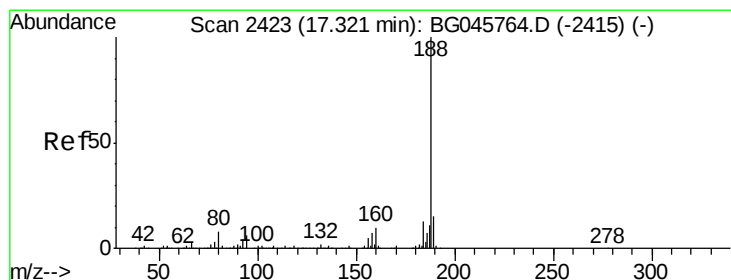
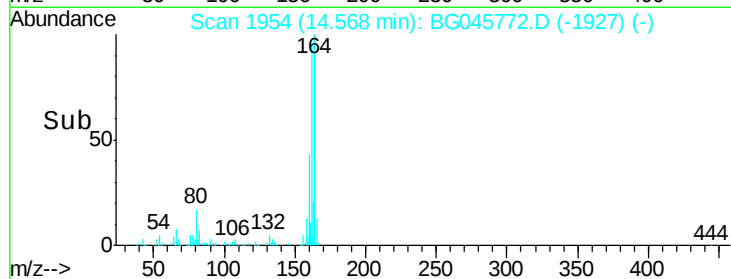
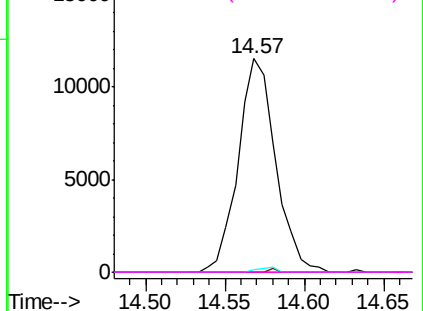


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

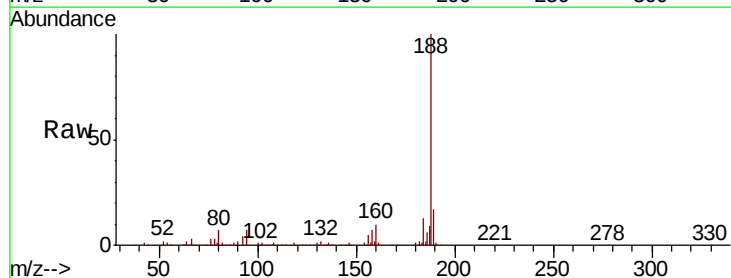
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.00 min
 Lab File: BG045772.D
 Acq: 16 Jun 2020 12:12

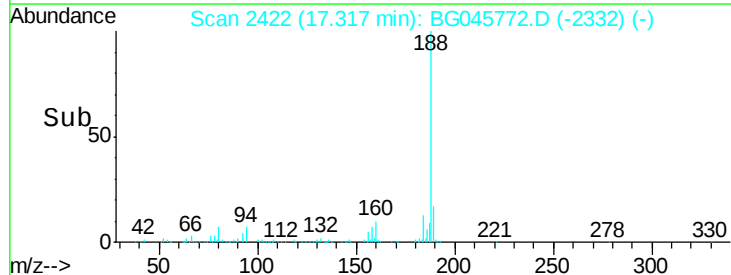
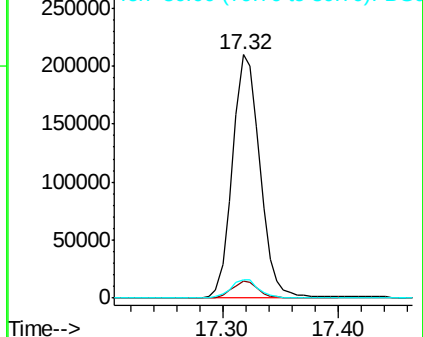
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.1	7.7
80	7.4	6.2	9.4

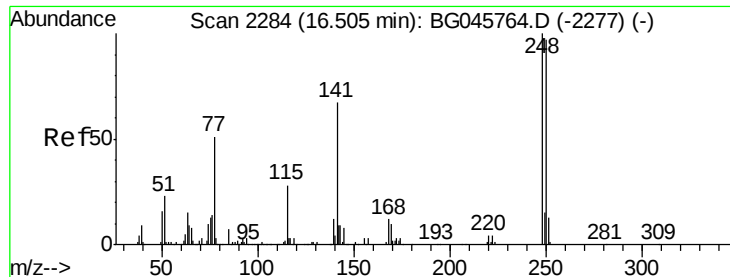


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

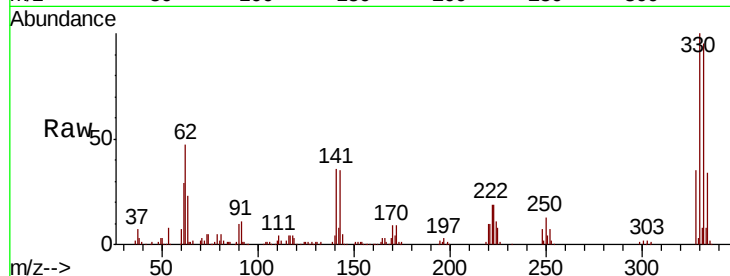




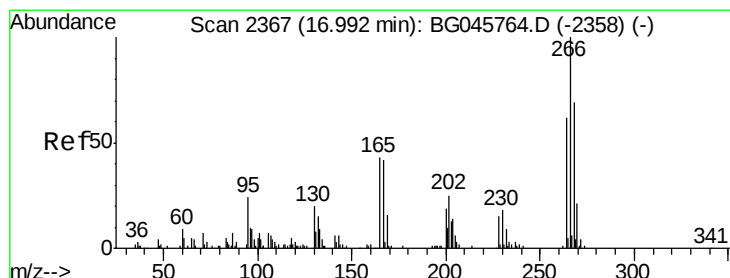
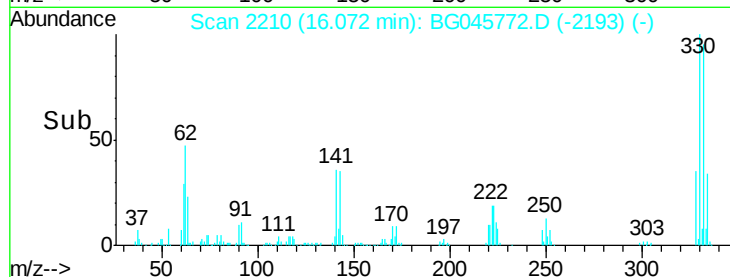
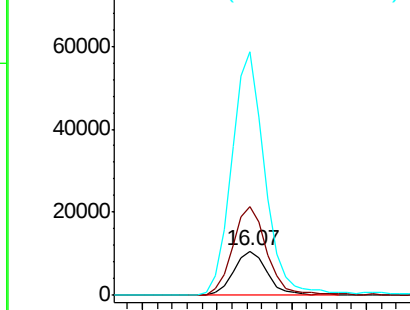
#67
 4-Bromophenyl-phenylether
 Concen: 3.785 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.43 min
 Lab File: BG045772.D
 Acq: 16 Jun 2020 12:12

Instrument :
 BNA_G
 ClientSampleId :
 PB129506BL

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.9	78.0	117.0#
141	546.8	53.9	80.9#

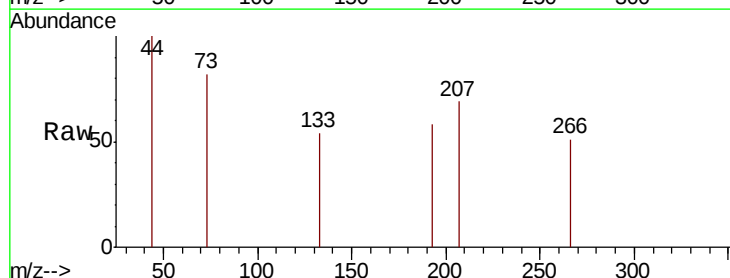


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

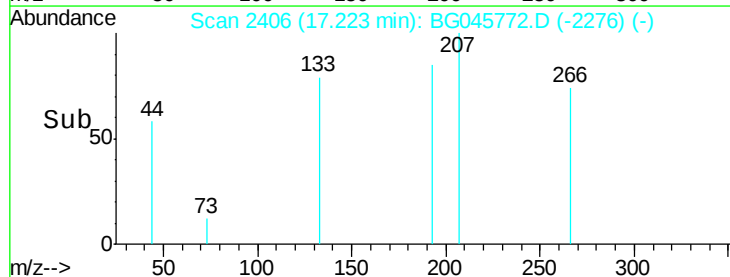
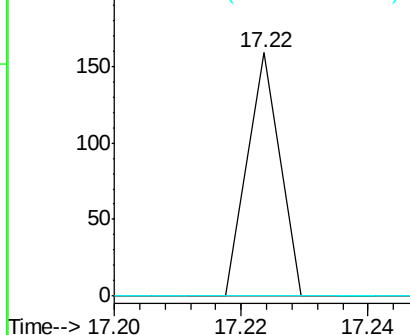


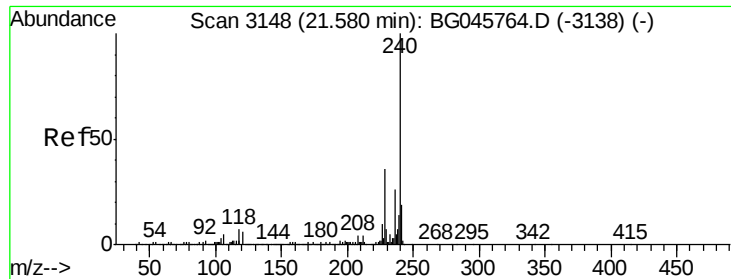
#70
 Pentachlorophenol
 Concen: 7.654 ng
 RT: 17.22 min Scan# 2406
 Delta R.T. 0.23 min
 Lab File: BG045772.D
 Acq: 16 Jun 2020 12:12

Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	55.4	83.0#
264	0.0	49.8	74.6#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3147

Delta R.T. -0.00 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

Instrument :

BNA_G

ClientSampleId :

PB129506BL

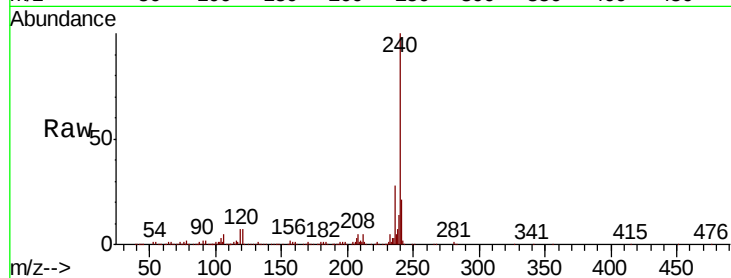
Tot Ion:240 Resp: 368637

Ion Ratio Lower Upper

240 100

120 6.9 5.0 7.4

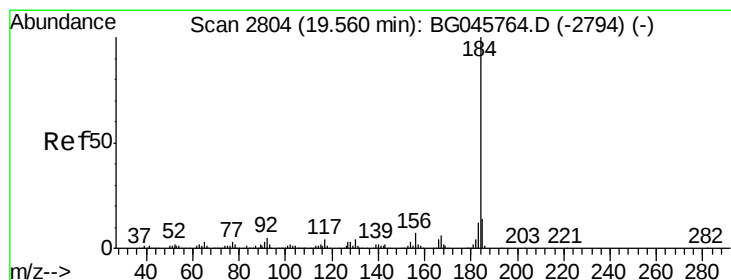
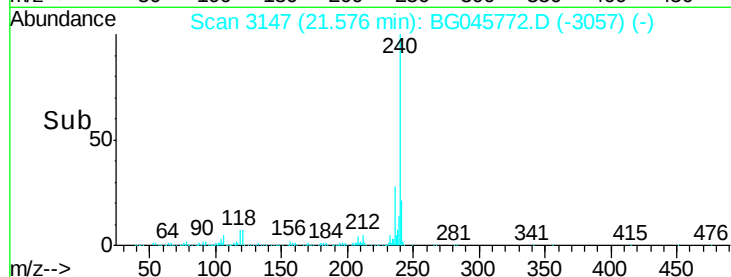
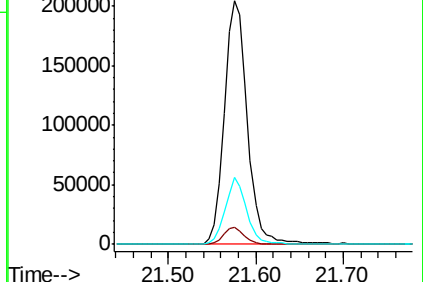
236 27.7 20.6 30.8



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: 3.052 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

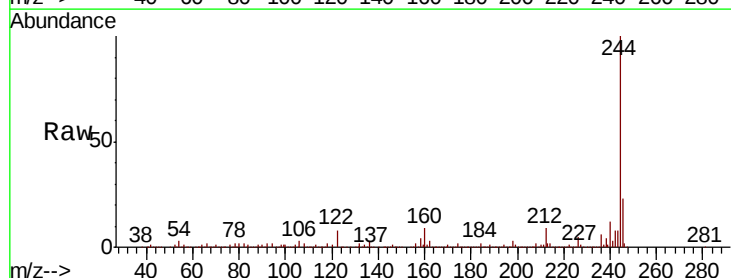
Tgt Ion:184 Resp: 29244

Ion Ratio Lower Upper

184 100

185 20.9 11.1 16.7#

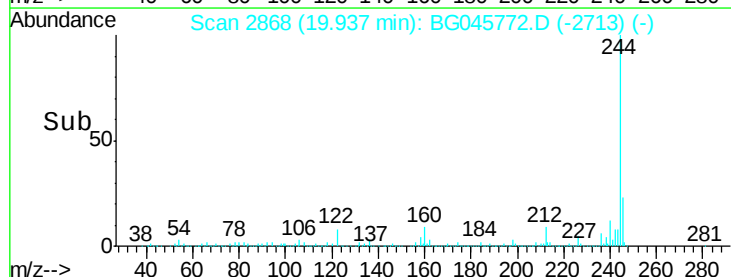
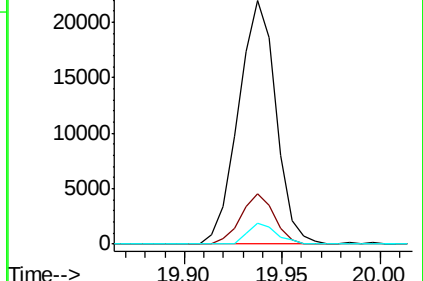
183 8.7 9.7 14.5#

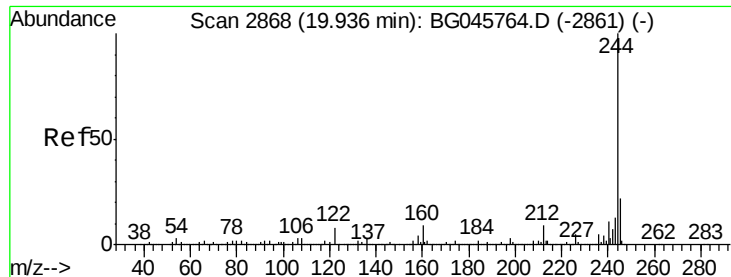


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 87.990 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

Instrument :

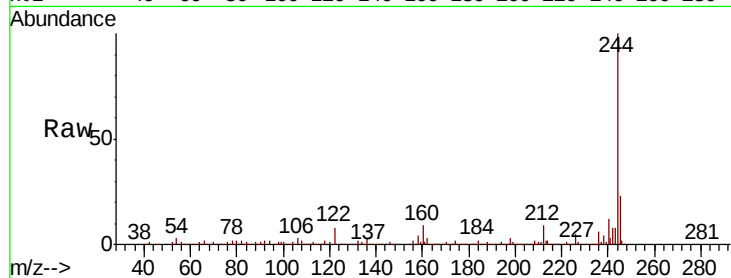
BNA_G

ClientSampleId :

PB129506BL

Tot Ion:244 Resp: 1600529

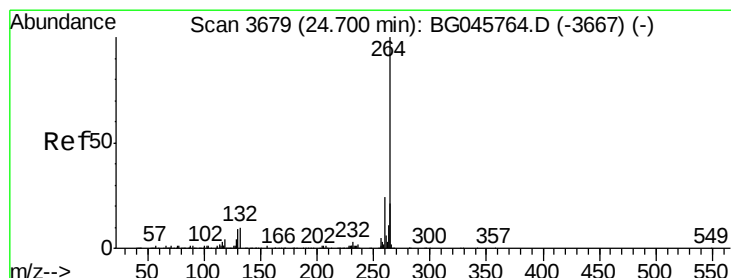
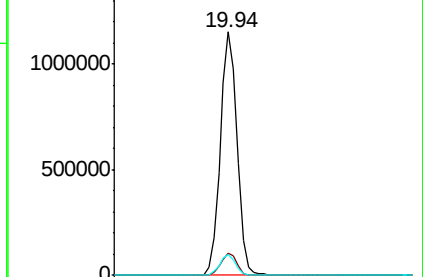
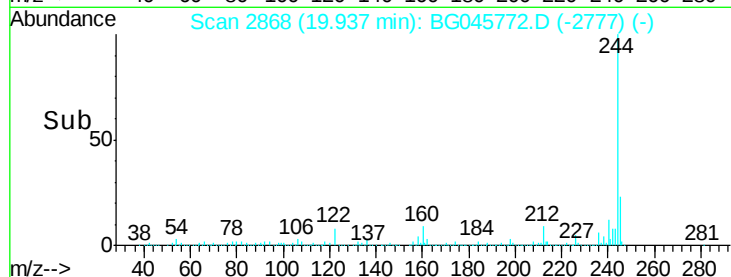
Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.2	10.8
122	8.4	6.4	9.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.71 min Scan# 3680

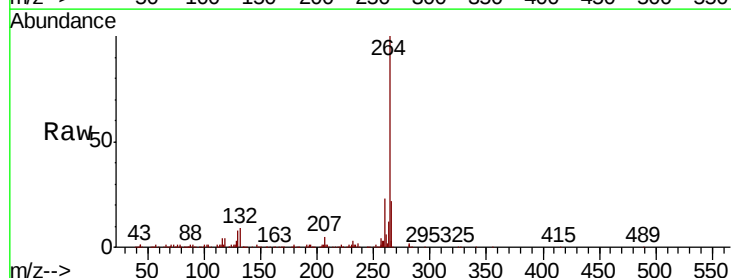
Delta R.T. 0.01 min

Lab File: BG045772.D

Acq: 16 Jun 2020 12:12

Tgt Ion:264 Resp: 381425

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.3	17.4	26.0



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

