

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
 Data File : BG044393.D
 Acq On : 11 Feb 2020 17:54
 Operator : CG/JU
 Sample : PB126699BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126699BL

Quant Time: Feb 12 03:07:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

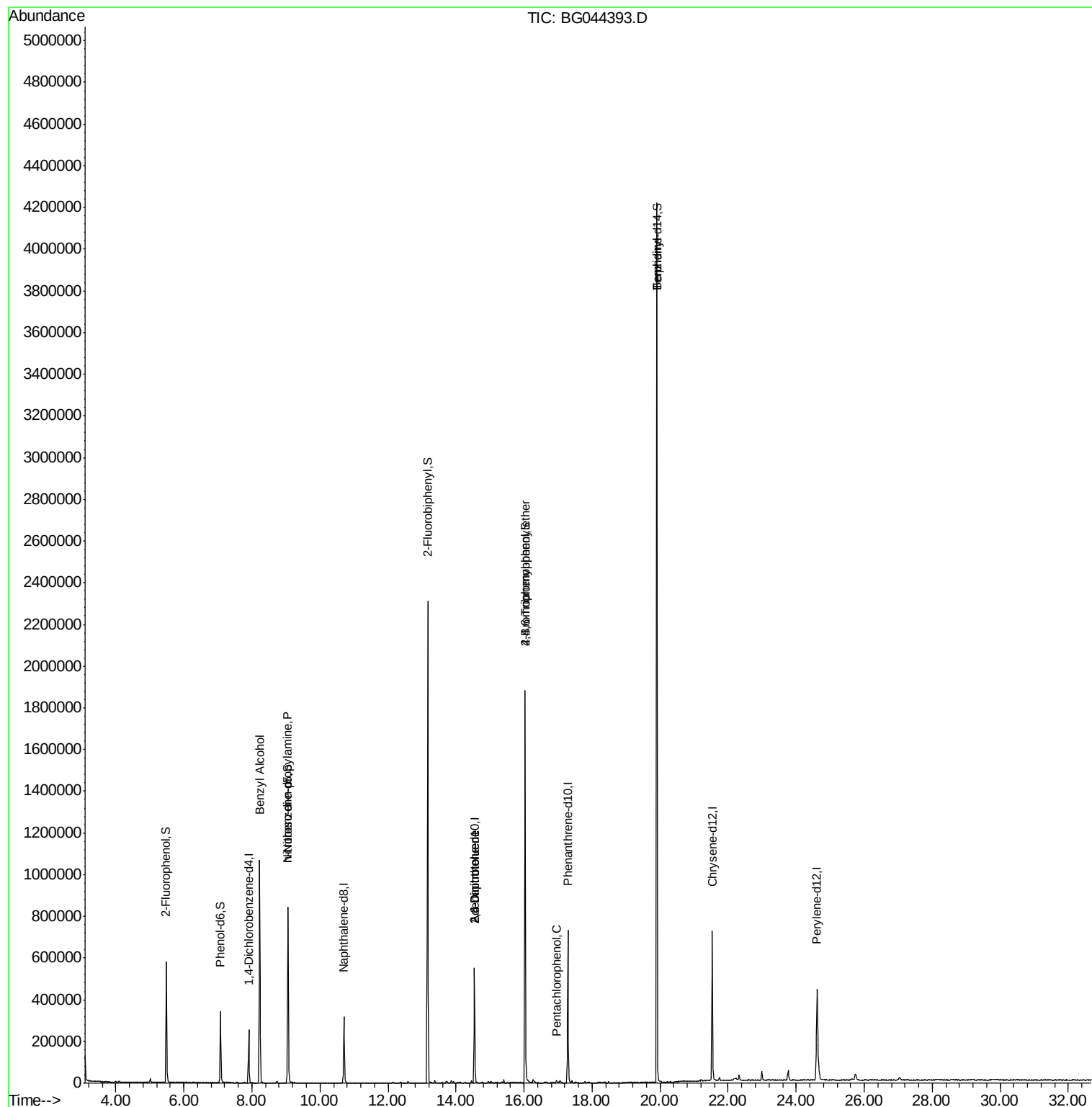
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	78106	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	307931	20.00	ng	0.00
39) Acenaphthene-d10	14.54	164	200302	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	459967	20.00	ng	0.00
76) Chrysene-d12	21.53	240	449009	20.00	ng	0.00
87) Perylene-d12	24.62	264	461693	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	298593	67.47	ng	0.00
7) Phenol-d6	7.07	99	231918	39.02	ng	0.00
23) Nitrobenzene-d5	9.06	82	547506	100.38	ng	0.00
42) 2,4,6-Tribromophenol	16.03	330	379952	161.58	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1255290	104.94	ng	0.00
79) Terphenyl-d14	19.90	244	1995674	91.42	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.22	79	8435	2.005	ng	# 45
19) n-Nitroso-di-n-propylamine	9.06	70	70741	17.861	ng	# 77
51) 2,6-Dinitrotoluene	14.54	165	26317	8.198	ng	# 30
57) 2,4-Dinitrotoluene	14.54	165	26317	5.849	ng	# 28
67) 4-Bromophenyl-phenylether	16.03	248	25954	5.179	ng	# 1
70) Pentachlorophenol	16.95	266	3673	4.385	ng	96
77) Benizidine	19.90	184	34153	2.742	ng	# 90

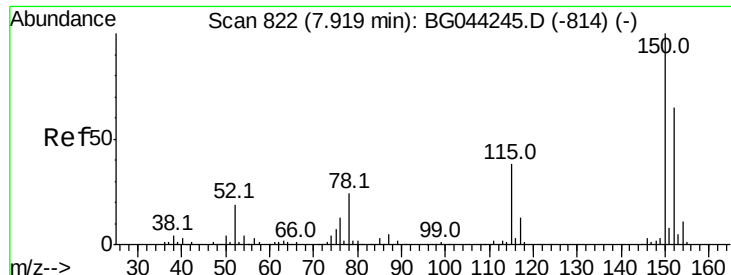
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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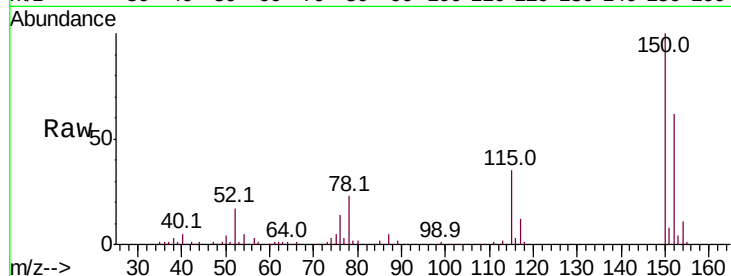


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.91 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BG044393.D
 Acq: 11 Feb 2020 17:54

Instrument :
 BNA_G
 ClientSampleId :
 PB126699BL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	122.6	183.8
115	57.3	46.0	69.0

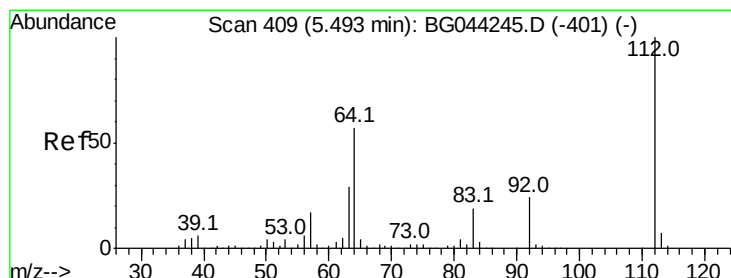
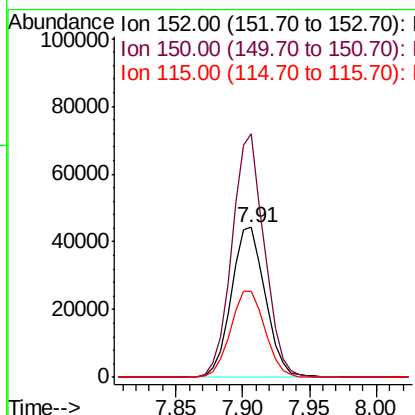
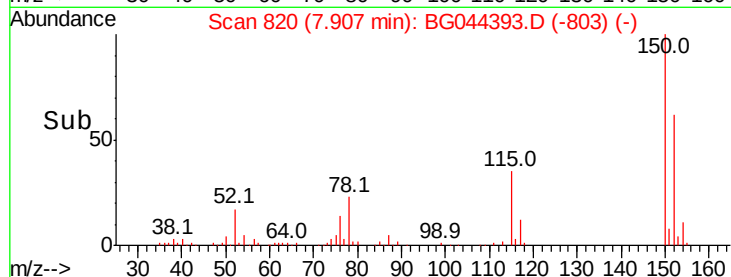


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

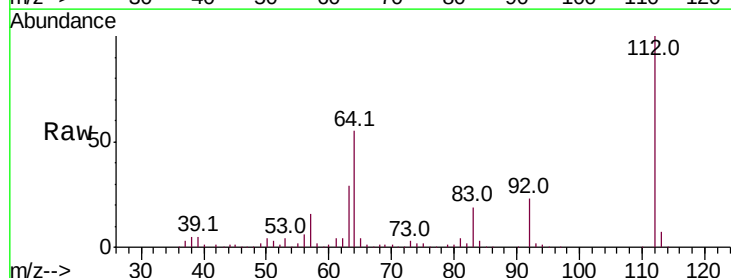
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 67.469 ng
 RT: 5.48 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: BG044393.D
 Acq: 11 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	45.4	68.2
63	28.5	22.9	34.3

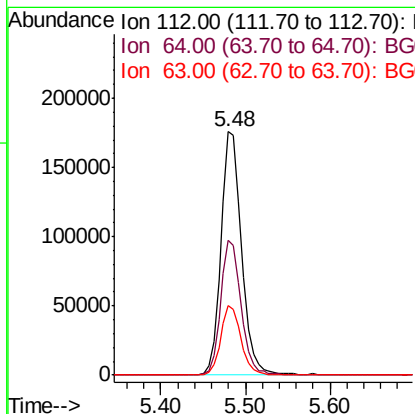
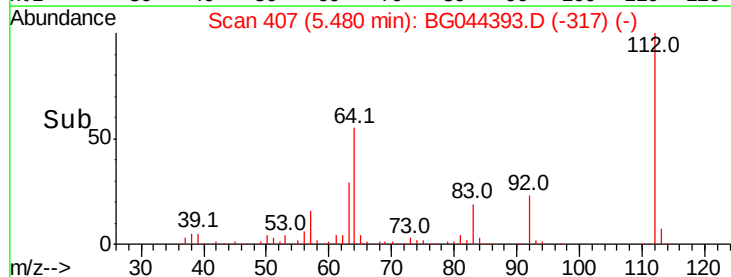


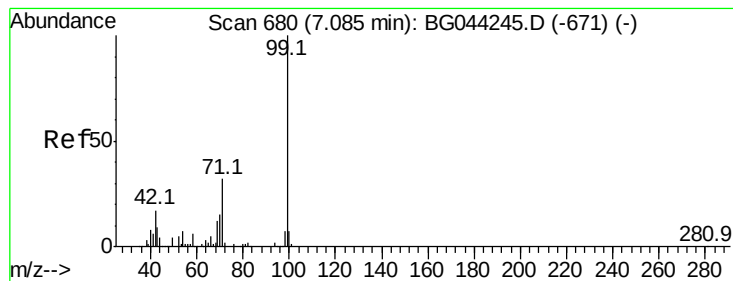
Abundance

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: 39.024 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PB126699BL

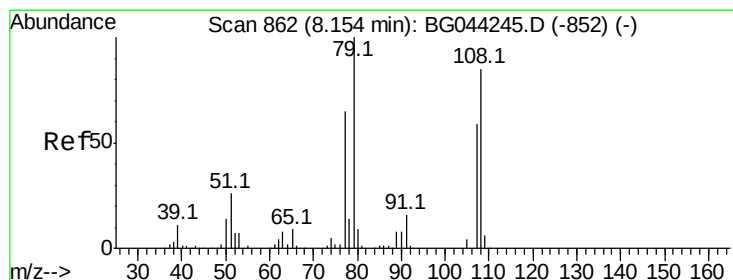
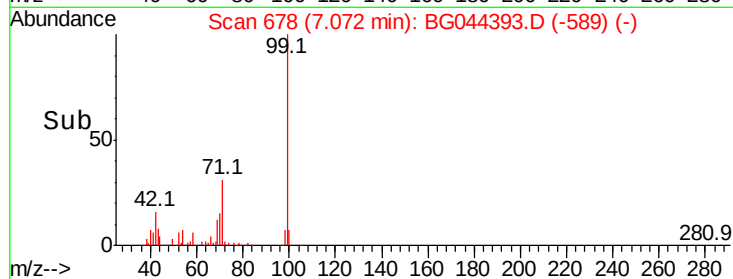
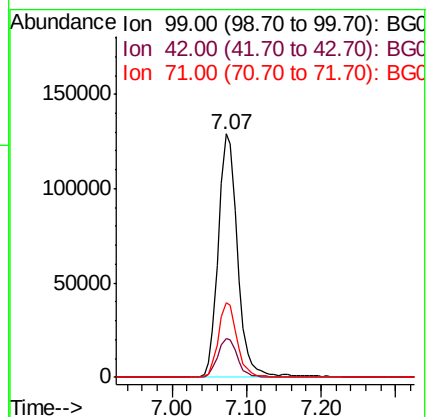
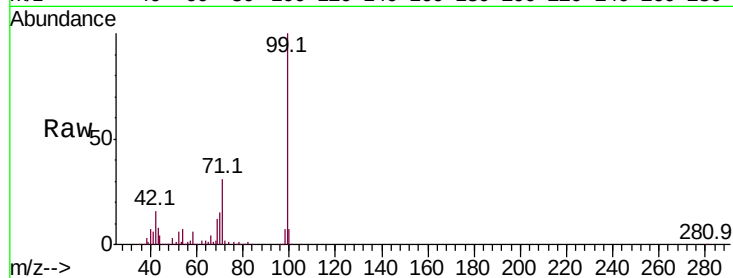
Tot Ion: 99 Resp: 231918

Ion Ratio Lower Upper

99 100

42 16.0 13.8 20.6

71 30.7 25.5 38.3



#15

Benzyl Alcohol

Concen: 2.005 ng

RT: 8.22 min Scan# 874

Delta R.T. 0.08 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

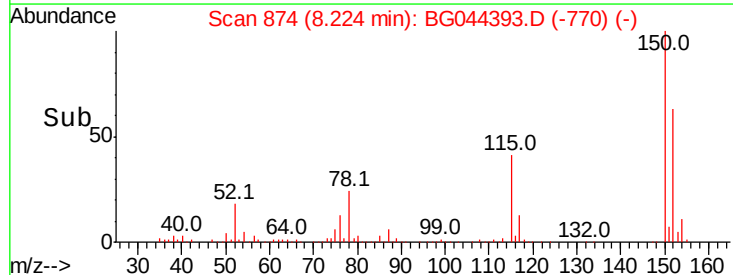
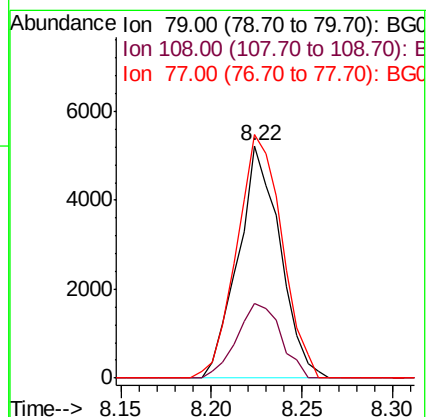
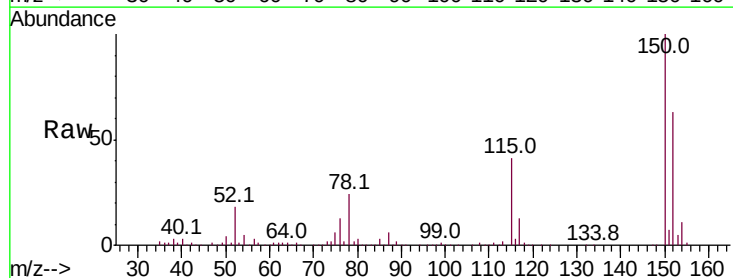
Tgt Ion: 79 Resp: 8435

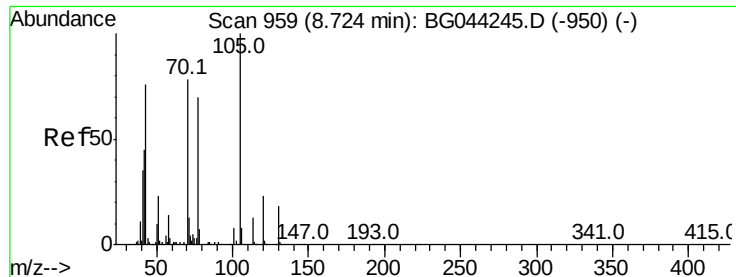
Ion Ratio Lower Upper

79 100

108 32.3 68.3 102.5#

77 104.8 51.8 77.8#





#19

n-Nitroso-di-n-propylamine

Concen: 17.861 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

Instrument :

BNA_G

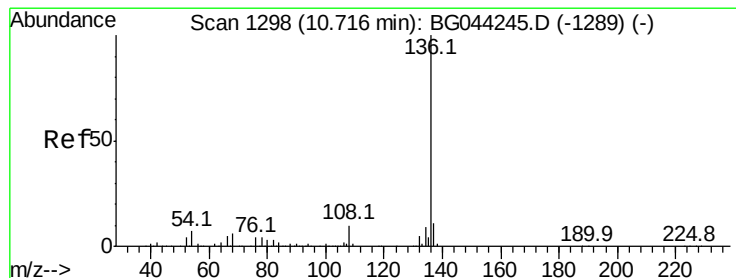
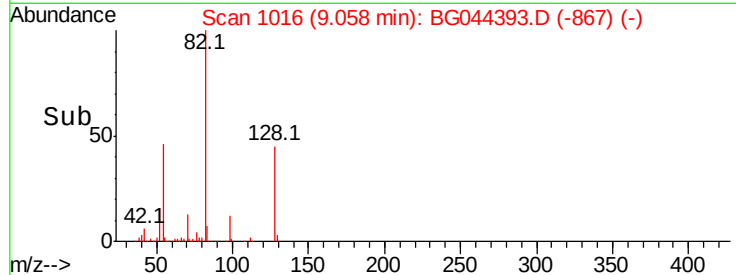
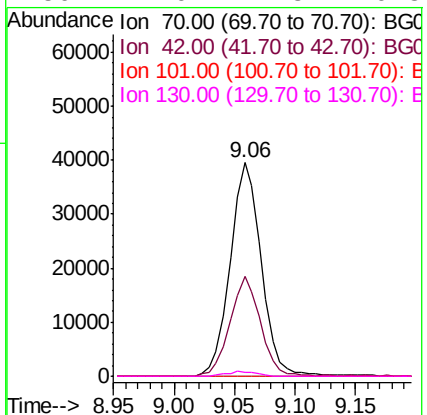
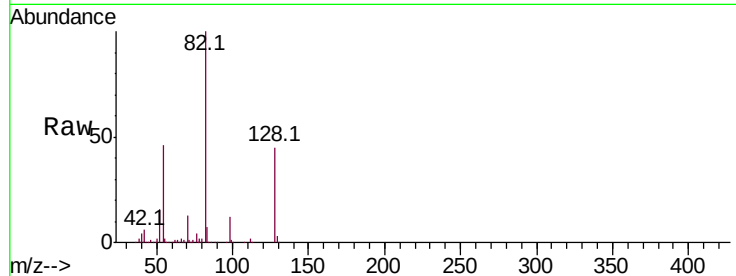
ClientSampleId :

PB126699BL

Tot Ion: 70 Resp: 70741

Ion Ratio Lower Upper

70	100		
42	47.0	46.2	69.2
101	0.0	8.4	12.6#
130	2.0	17.8	26.8#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.70 min Scan# 1296

Delta R.T. 0.00 min

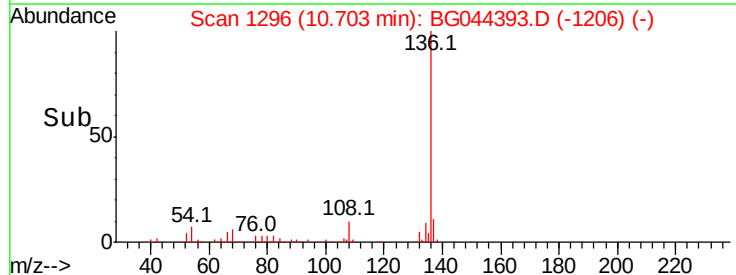
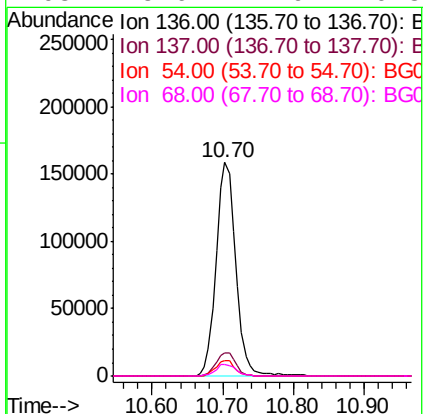
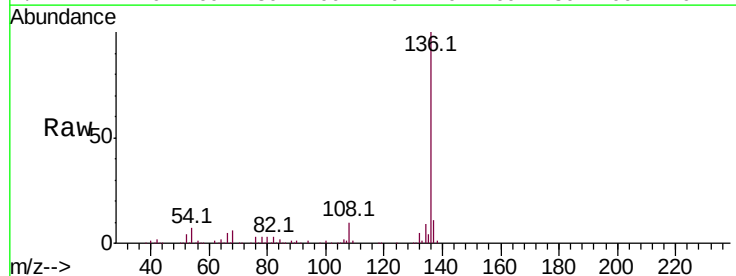
Lab File: BG044393.D

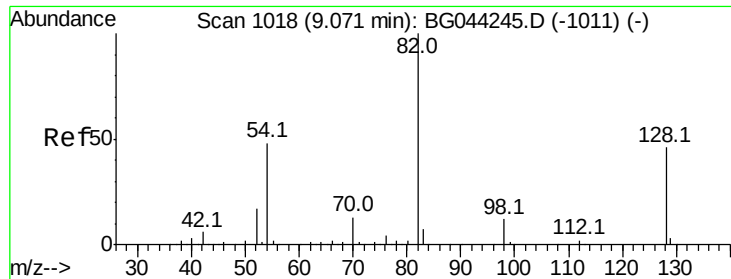
Acq: 11 Feb 2020 17:54

Tgt Ion: 136 Resp: 307931

Ion Ratio Lower Upper

136	100		
137	11.1	8.8	13.2
54	7.4	5.8	8.8
68	5.6	4.6	6.8

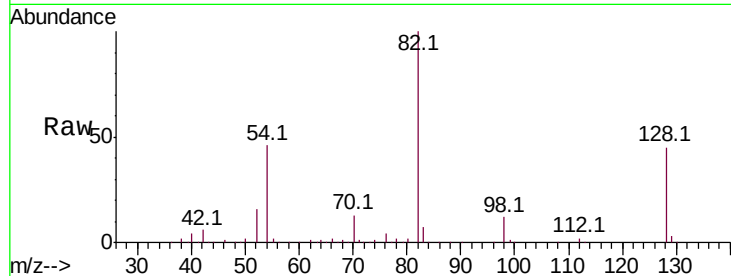




#23
 Nitrobenzene-d5
 Concen: 100.380 ng
 RT: 9.06 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: BG044393.D
 Acq: 11 Feb 2020 17:54

Instrument :
 BNA_G
 ClientSampleID :
 PB126699BL

Tot Ion	82	Resp	547506
Ion Ratio	100		
Lower	36.5		
Upper	54.7		
54	46.4	38.6	58.0

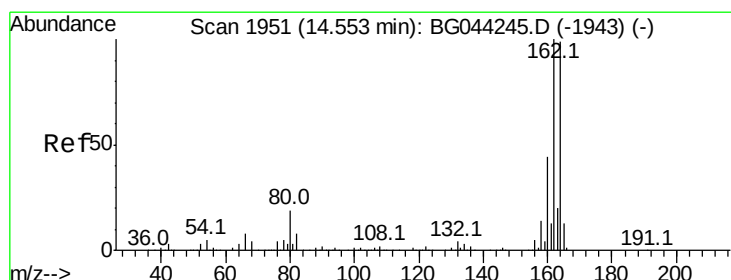
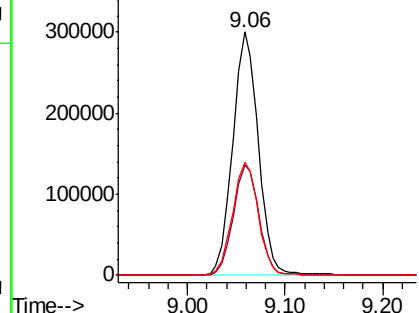
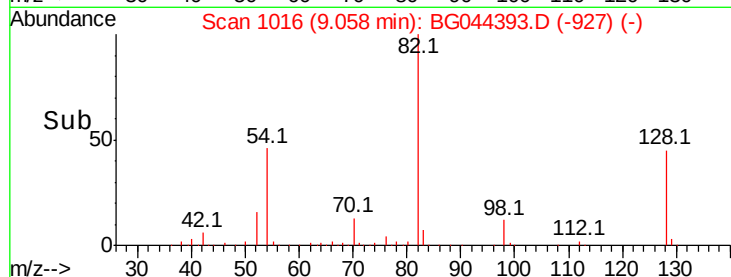


Abundance

Ion 82.00 (81.70 to 82.70): BGC

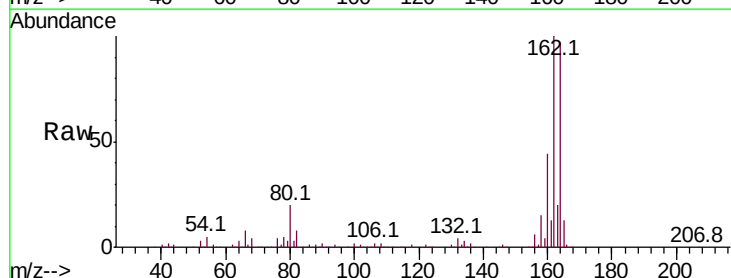
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.54 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: BG044393.D
 Acq: 11 Feb 2020 17:54

Tgt Ion	164	Resp	200302
Ion Ratio	100		
Lower	80.7		
Upper	121.1		
162	103.0	35.3	52.9
160	44.9		

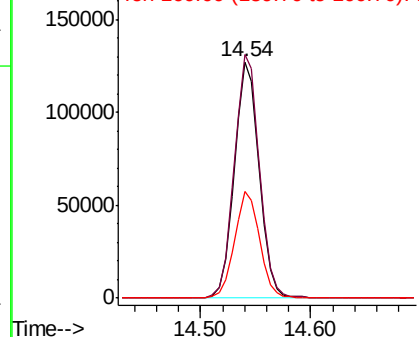
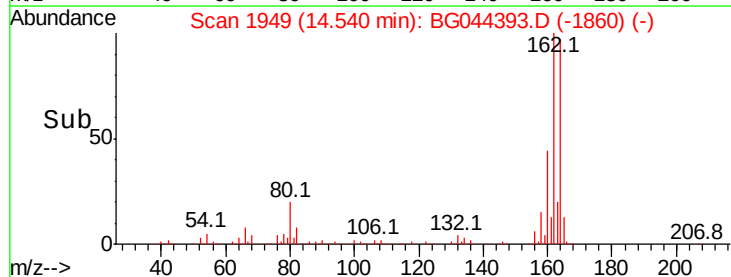


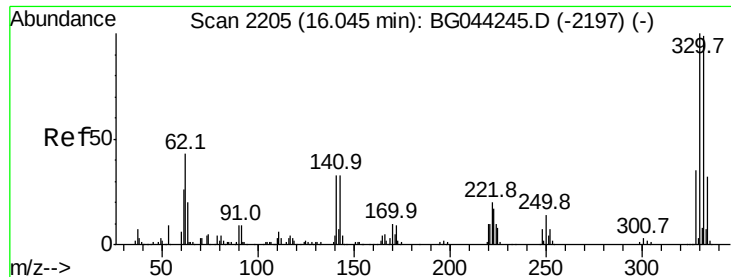
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 161.583 ng

RT: 16.03 min Scan# 2203

Delta R.T. 0.00 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PB126699BL

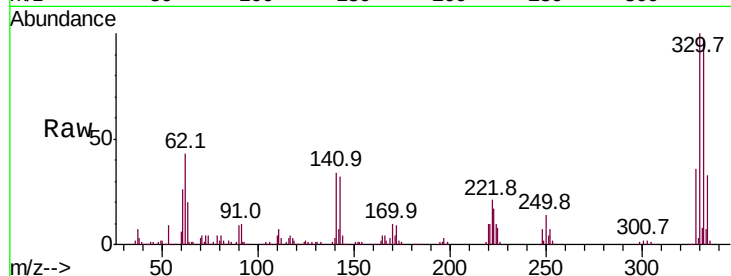
Tot Ion:330 Resp: 379952

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

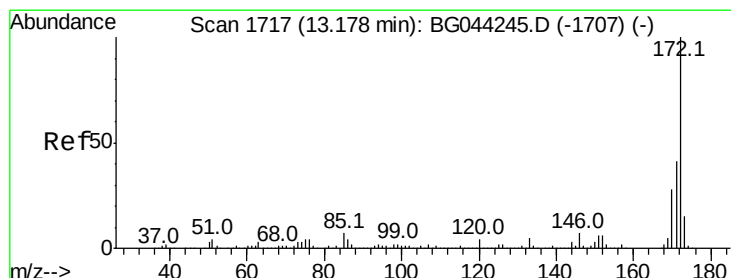
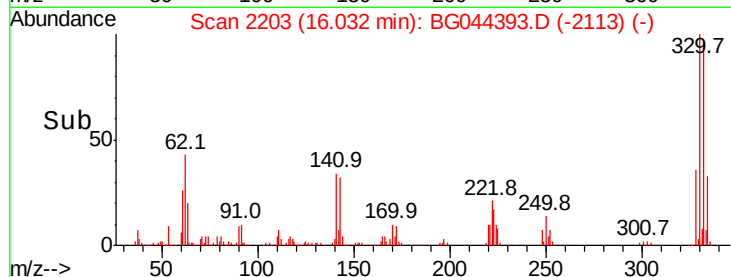
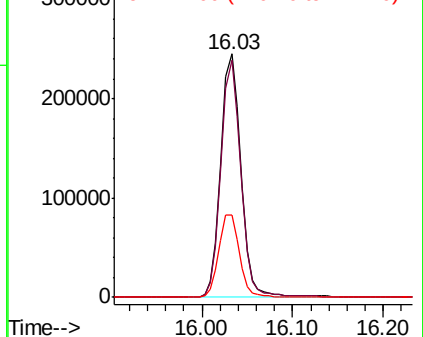
141 34.9 28.3 42.5



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: 104.944 ng

RT: 13.17 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

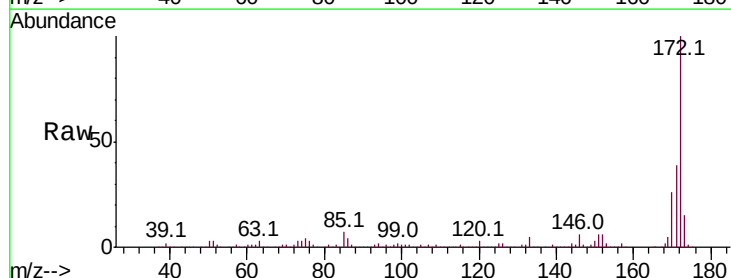
Tgt Ion:172 Resp: 1255290

Ion Ratio Lower Upper

172 100

171 39.2 32.9 49.3

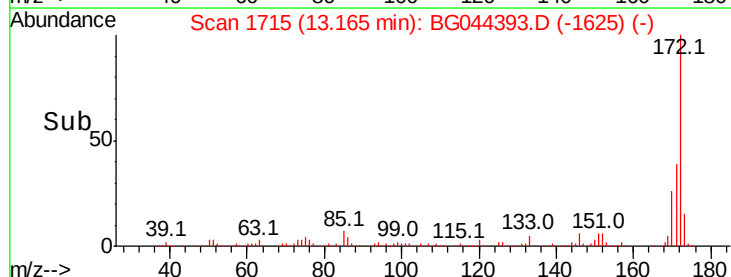
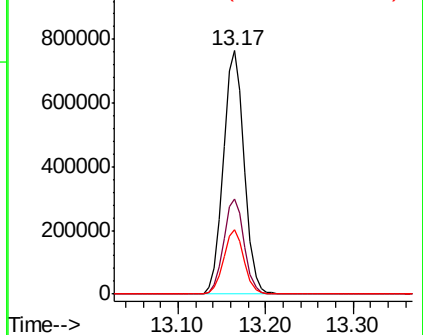
170 26.5 22.0 33.0

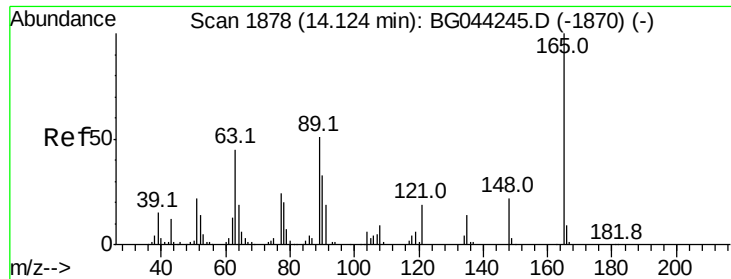


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.198 ng

RT: 14.54 min Scan# 1949

Delta R.T. 0.42 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

Instrument :

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ClientSampleId :

PB126699BL

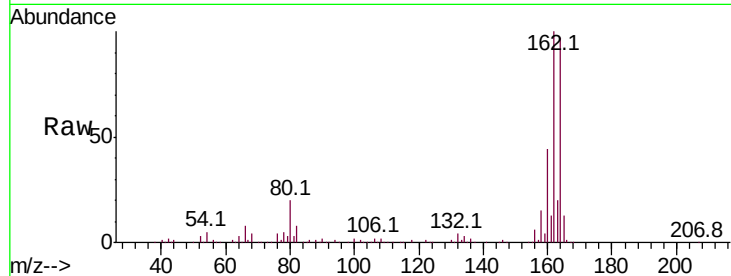
Tot Ion:165 Resp: 26317

Ion Ratio Lower Upper

165 100

63 1.4 38.7 58.1#

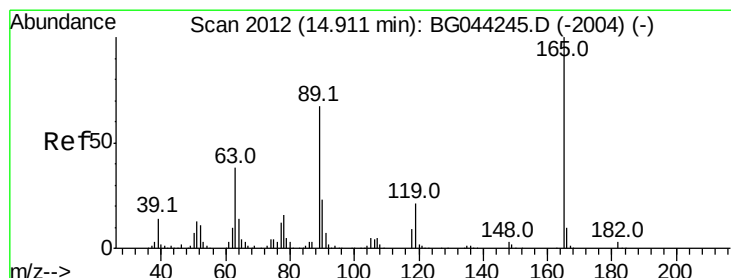
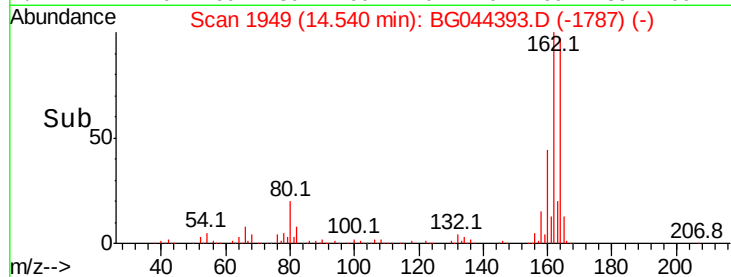
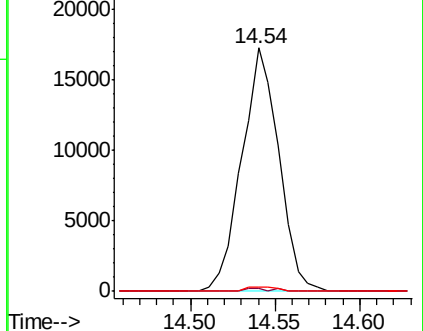
89 1.8 40.4 60.6#



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



#57

2,4-Dinitrotoluene

Concen: 5.849 ng

RT: 14.54 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

Tgt Ion:165 Resp: 26317

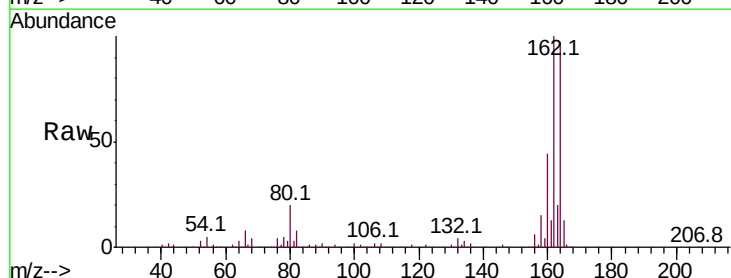
Ion Ratio Lower Upper

165 100

63 1.4 30.3 45.5#

89 1.8 53.4 80.2#

182 0.0 2.1 3.1#

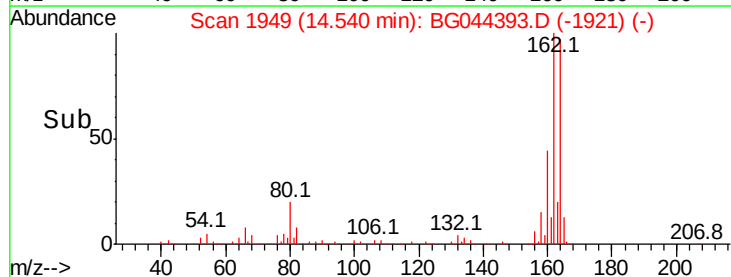
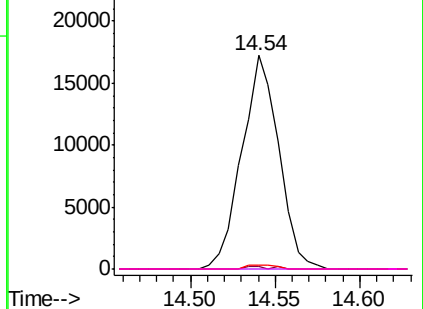


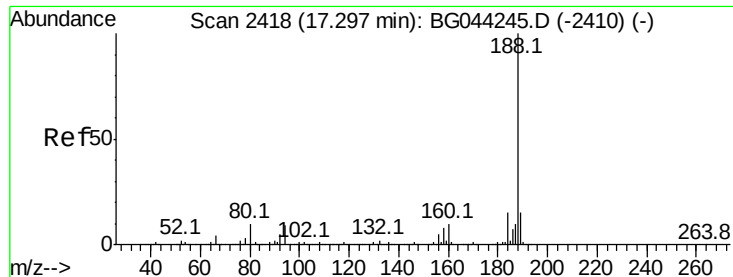
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.28 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PB126699BL

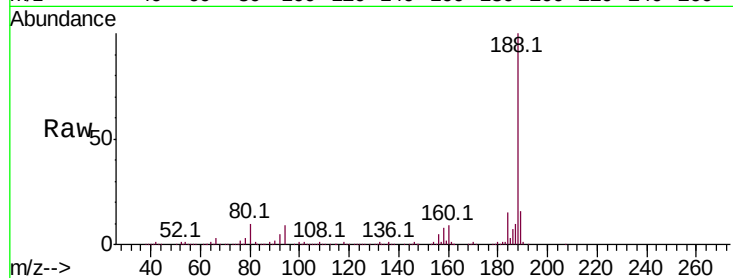
Tot Ion:188 Resp: 459967

Ion Ratio Lower Upper

188 100

94 8.8 7.4 11.2

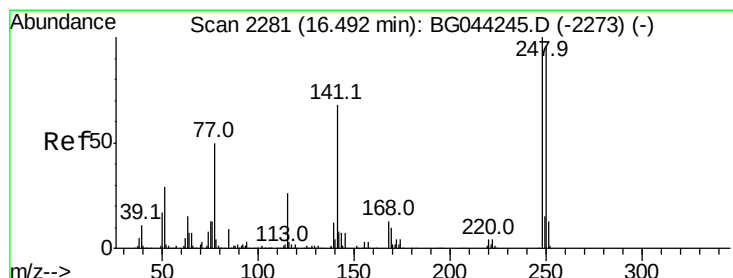
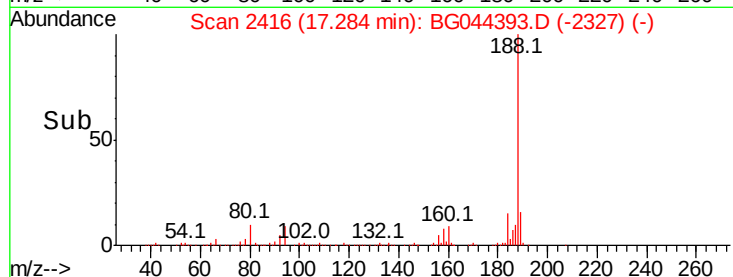
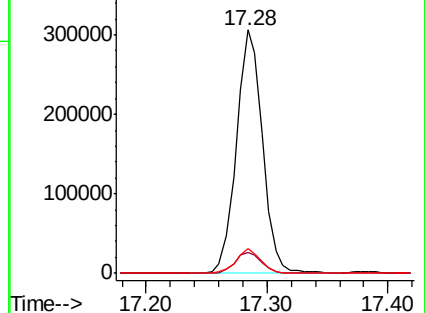
80 10.1 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.179 ng

RT: 16.03 min Scan# 2203

Delta R.T. -0.45 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

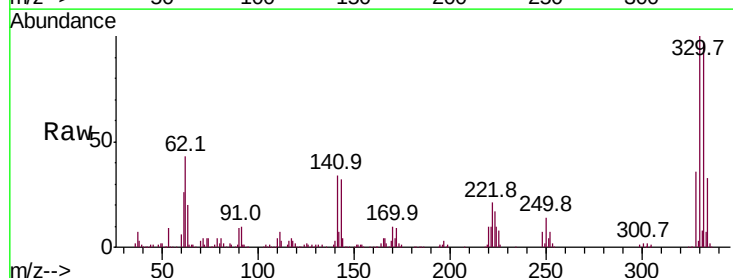
Tgt Ion:248 Resp: 25954

Ion Ratio Lower Upper

248 100

250 204.6 76.6 114.8#

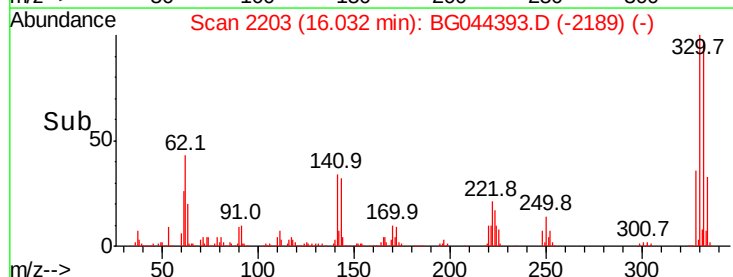
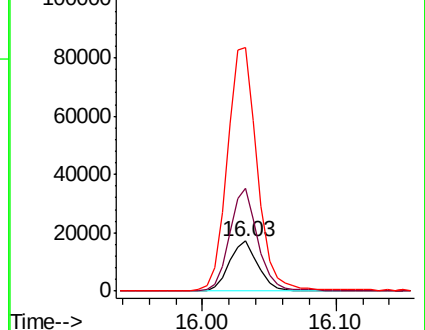
141 487.2 54.7 82.1#

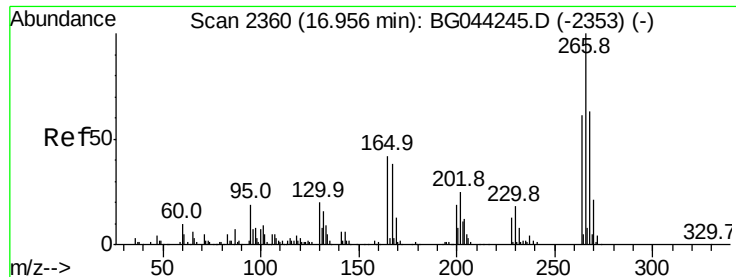


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

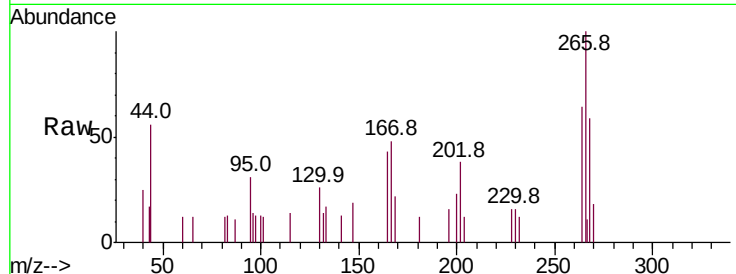




#70
 Pentachlorophenol
 Concen: 4.385 ng
 RT: 16.95 min Scan# 2360
 Delta R.T. 0.01 min
 Lab File: BG044393.D
 Acq: 11 Feb 2020 17:54

Instrument :
 BNA_G
 ClientSampleId :
 PB126699BL

Tot Ion	Ratio	Lower	Upper
266	100		
268	59.2	50.6	75.8
264	63.8	48.7	73.1

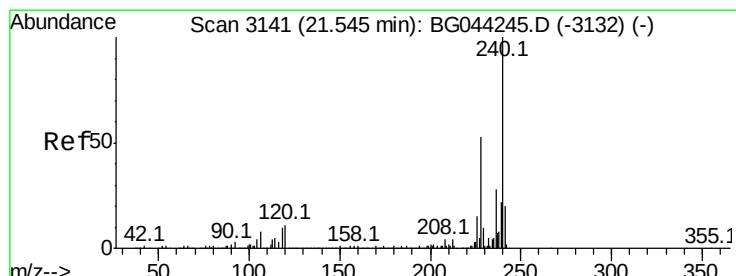
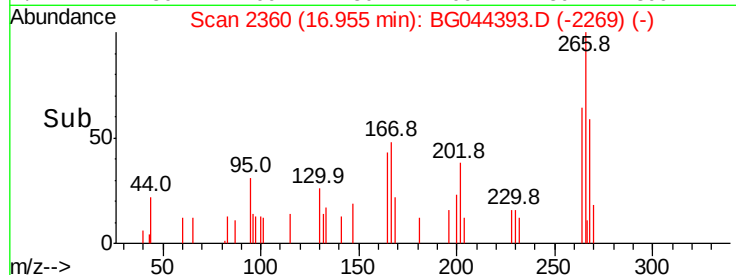
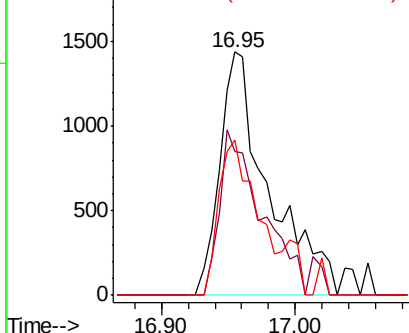


Abundance

Ion 265.70 (265.40 to 266.40): E

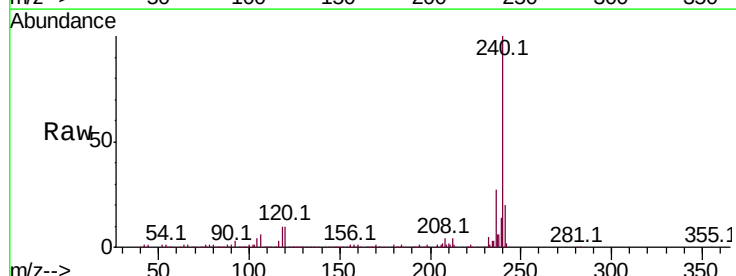
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.53 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BG044393.D
 Acq: 11 Feb 2020 17:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.4	12.6
236	26.9	22.1	33.1

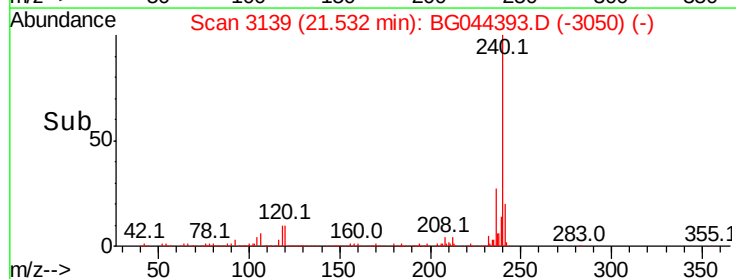
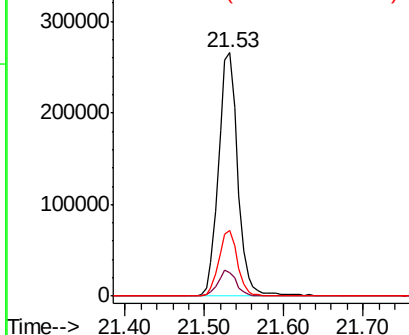


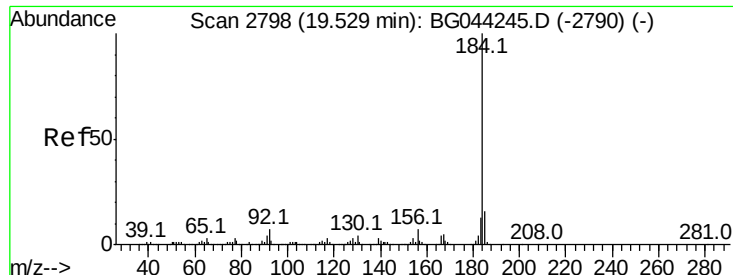
Abundance

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: 2.742 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.38 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

Instrument :

BNA_G

ClientSampleId :

PB126699BL

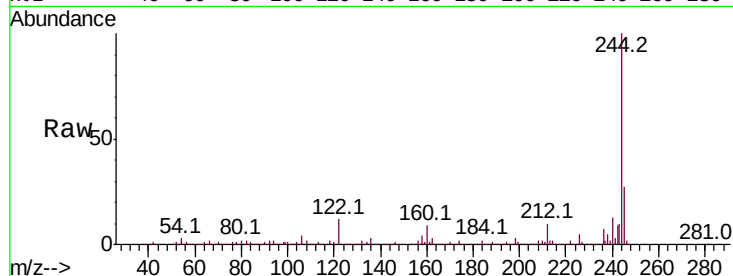
Tot Ion:184 Resp: 34153

Ion Ratio Lower Upper

184 100

185 14.9 12.9 19.3

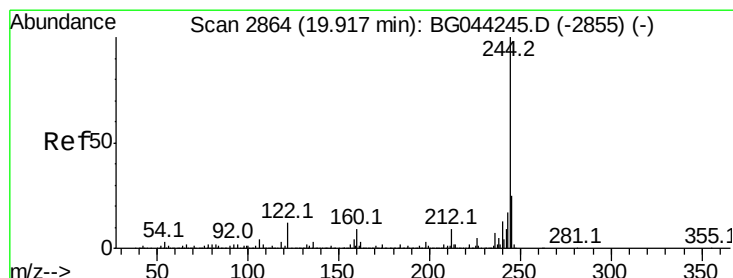
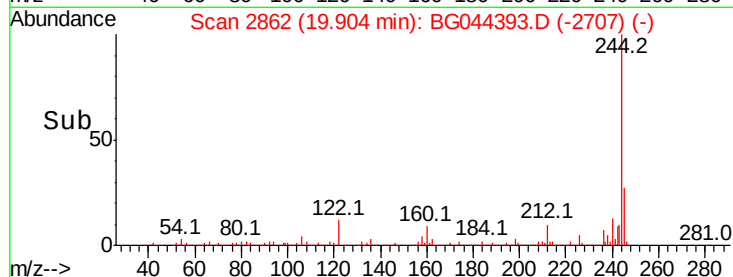
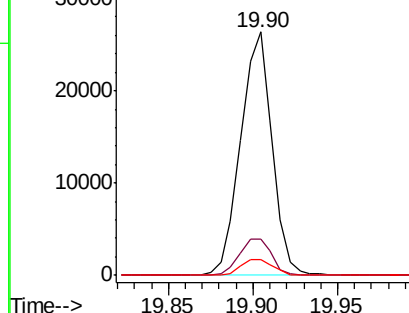
183 6.5 10.8 16.2#



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: 91.420 ng

RT: 19.90 min Scan# 2862

Delta R.T. 0.00 min

Lab File: BG044393.D

Acq: 11 Feb 2020 17:54

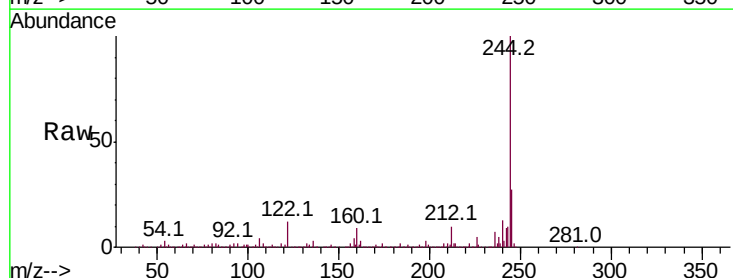
Tgt Ion:244 Resp: 1995674

Ion Ratio Lower Upper

244 100

212 9.6 7.4 11.2

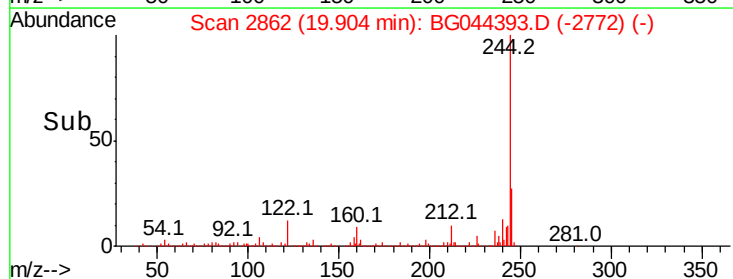
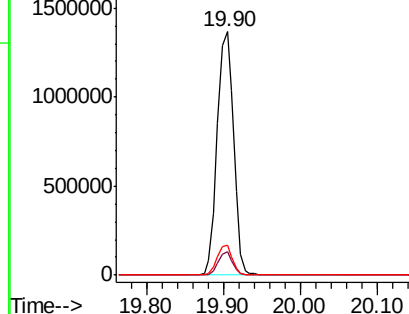
122 12.1 9.8 14.6

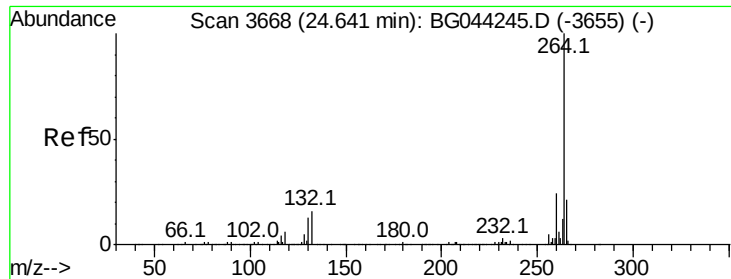


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.62 min Scan# 3664
Delta R.T. -0.00 min
Lab File: BG044393.D
Acq: 11 Feb 2020 17:54

Instrument :
BNA_G
ClientSampleId :
PB126699BL

Tot Ion:264 Resp: 461693

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.2
265	21.8	16.7	25.1

