

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061020\
 Data File : BG045690.D
 Acq On : 10 Jun 2020 13:53
 Operator : CG/JU
 Sample : PB129457BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129457BL

Quant Time: Jun 10 15:19:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

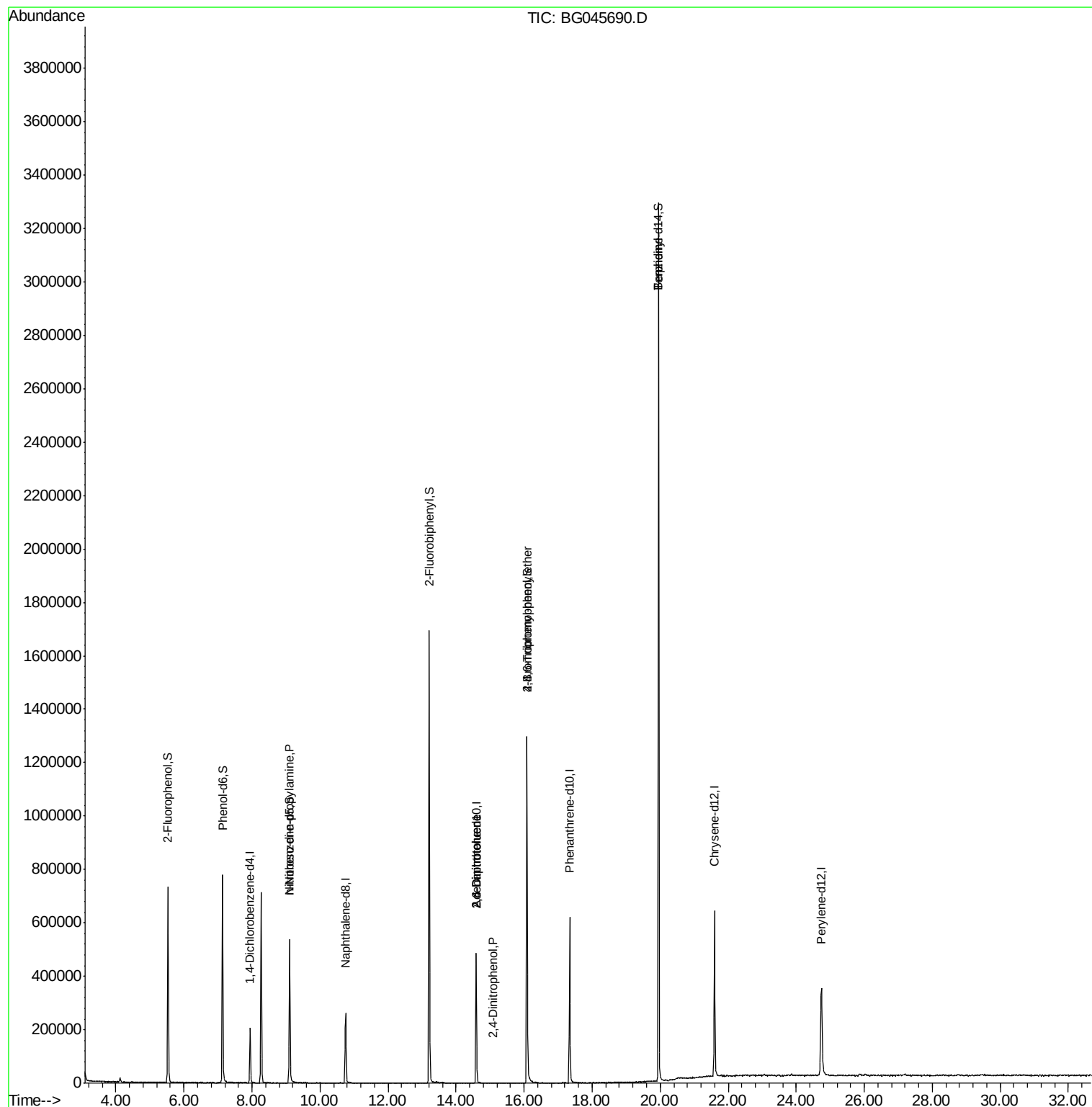
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	59813	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	245432	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	189422	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	436018	20.00	ng	0.00
76) Chrysene-d12	21.60	240	416199	20.00	ng	0.00
87) Perylene-d12	24.74	264	429883	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	364936	119.24	ng	0.00
7) Phenol-d6	7.13	99	522721	120.00	ng	-0.01
23) Nitrobenzene-d5	9.10	82	382533	84.99	ng	-0.01
42) 2,4,6-Tribromophenol	16.08	330	288081	118.92	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	940914	84.26	ng	0.00
79) Terphenyl-d14	19.95	244	1605365	89.96	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	53999	17.926	ng	# 81
51) 2,6-Dinitrotoluene	14.59	165	23915	8.156	ng	# 22
54) 2,4-Dinitrophenol	15.09	184	55	5.486	ng	# 17
57) 2,4-Dinitrotoluene	14.59	165	23915	5.632	ng	# 22
67) 4-Bromophenyl-phenylether	16.08	248	19631	4.158	ng	# 1
77) Benzidine	19.95	184	29475	2.522	ng	# 80

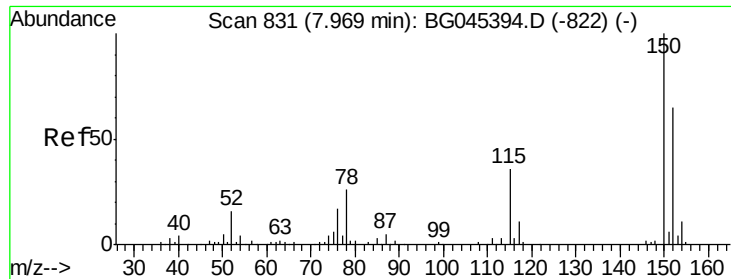
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



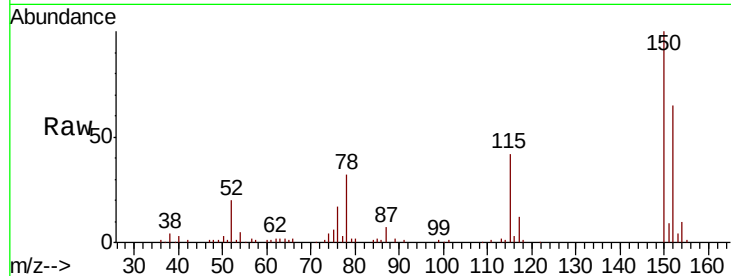


#1

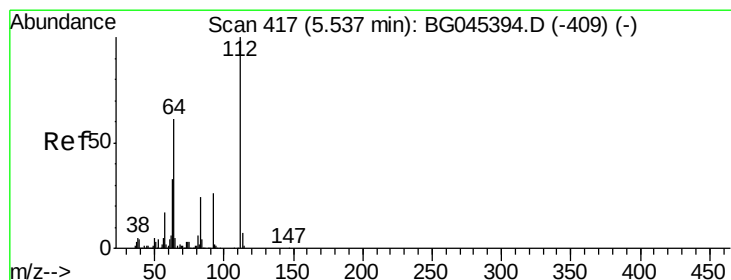
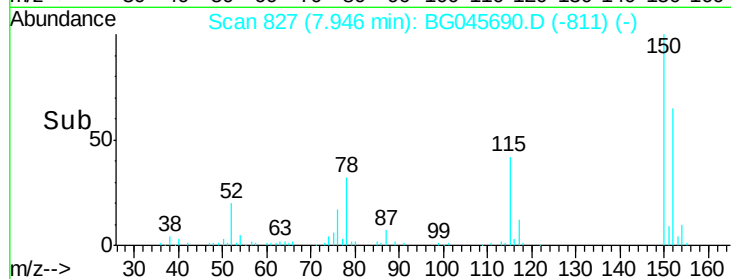
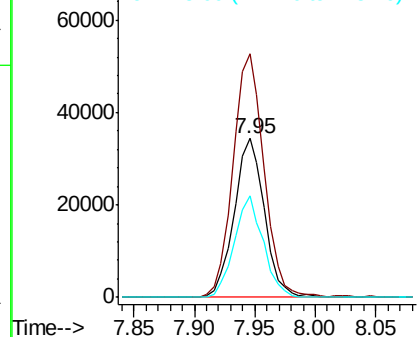
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Instrument :
BNA_G
ClientSampleId :
PB129457BL

Tot Ion:152 Resp: 59813
Ion Ratio Lower Upper
152 100
150 153.1 122.4 183.6
115 63.7 44.2 66.4



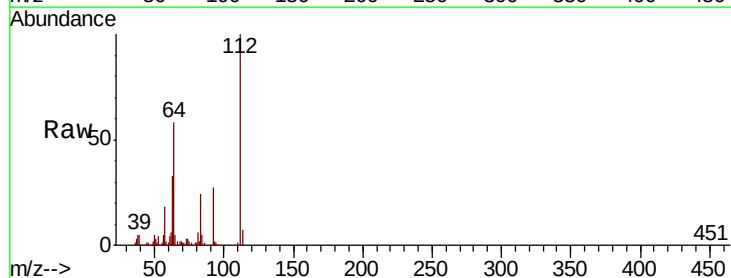
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



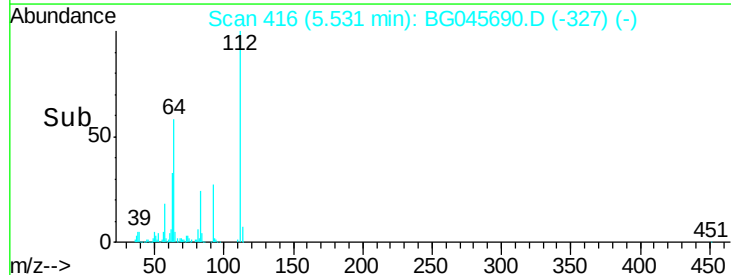
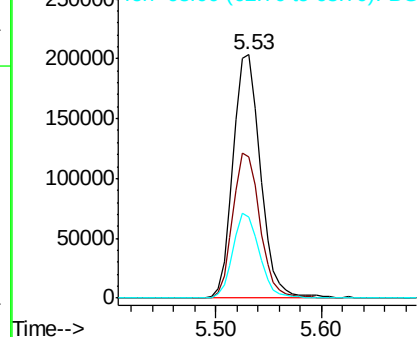
#5

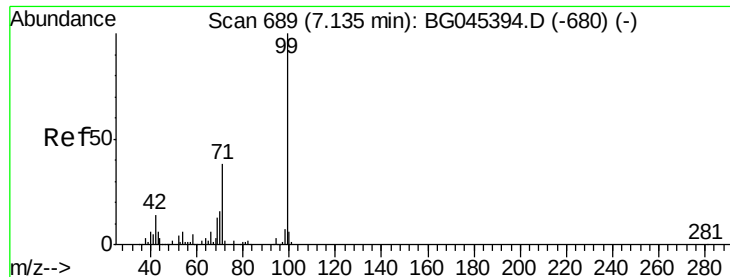
2-Fluorophenol
Concen: 119.237 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Tgt Ion:112 Resp: 364936
Ion Ratio Lower Upper
112 100
64 58.0 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: 119.996 ng

RT: 7.13 min Scan# 689

Delta R.T. -0.01 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

Instrument :

BNA_G

ClientSampleId :

PB129457BL

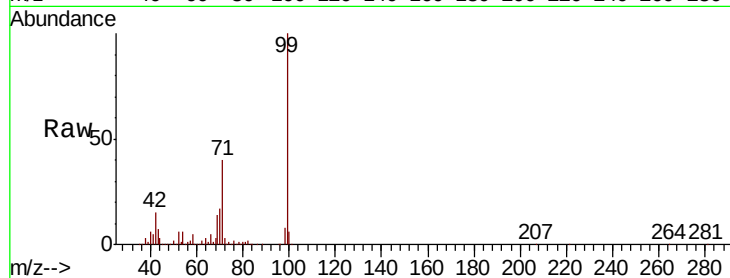
Tot Ion: 99 Resp: 522721

Ion Ratio Lower Upper

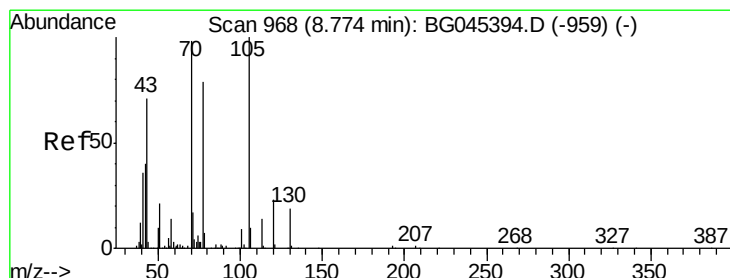
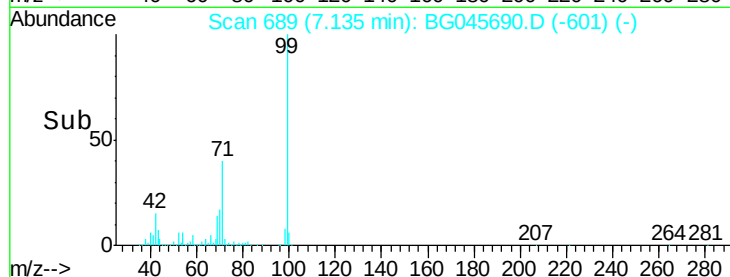
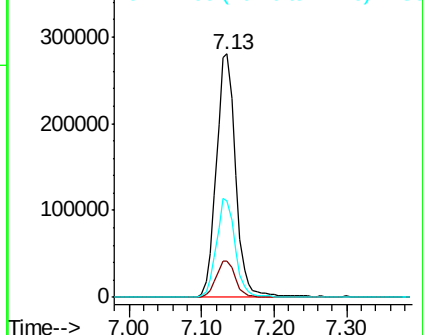
99 100

42 15.0 11.3 16.9

71 39.6 30.8 46.2



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: 17.926 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.35 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

Tgt Ion: 70 Resp: 53999

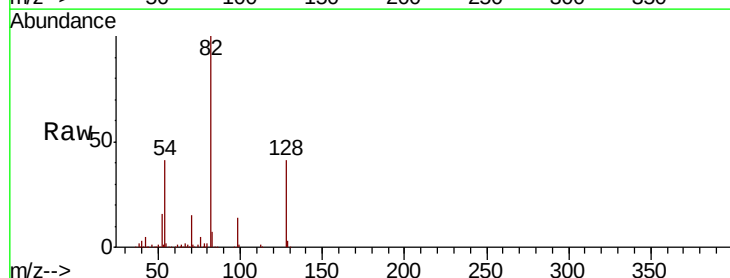
Ion Ratio Lower Upper

70 100

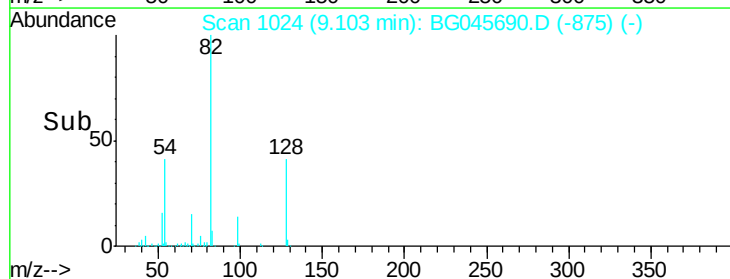
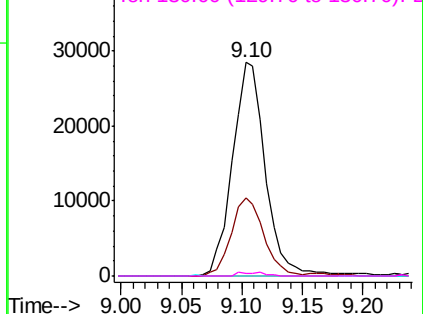
42 36.5 33.2 49.8

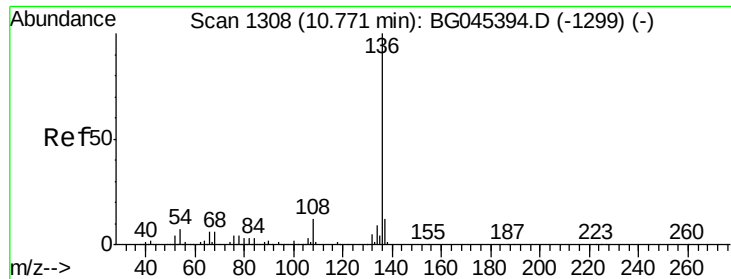
101 0.0 7.8 11.6#

130 1.4 15.4 23.2#



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

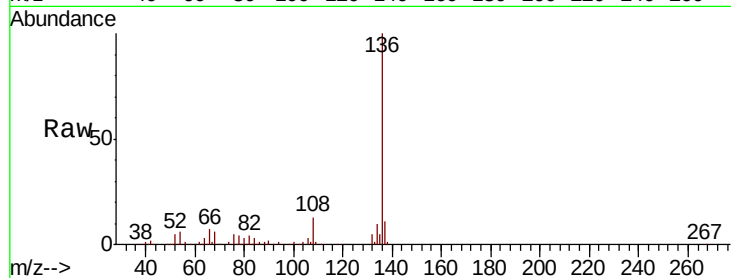




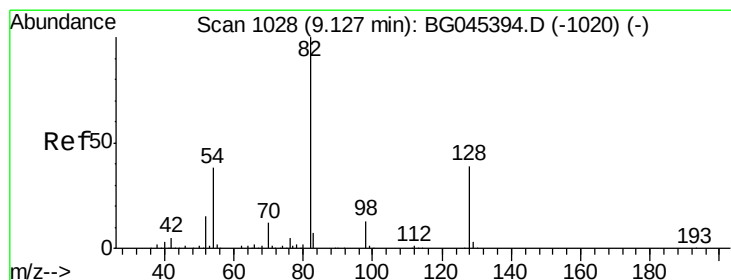
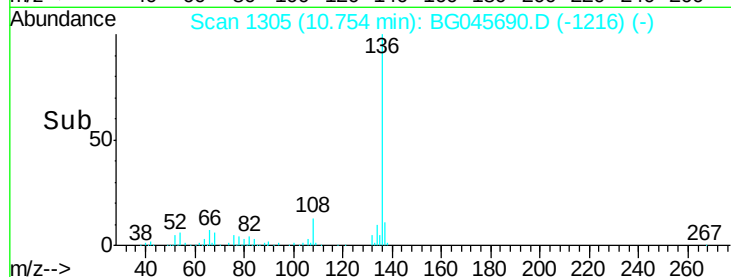
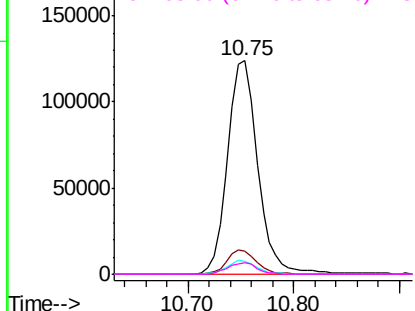
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Instrument :
BNA_G
ClientSampleId :
PB129457BL

Tot Ion:136	Resp:	245432	
Ion Ratio	Lower	Upper	
136 100			
137 10.7	9.4	14.2	
54 5.8	5.8	8.6	
68 5.6	4.5	6.7	

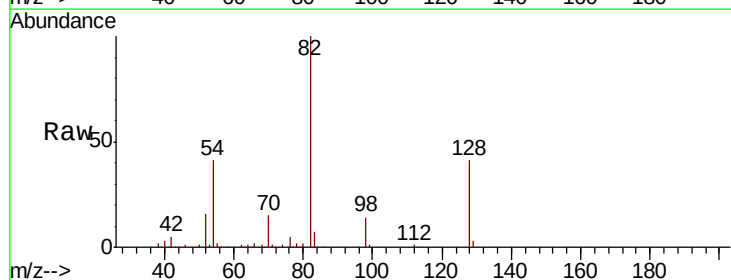


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

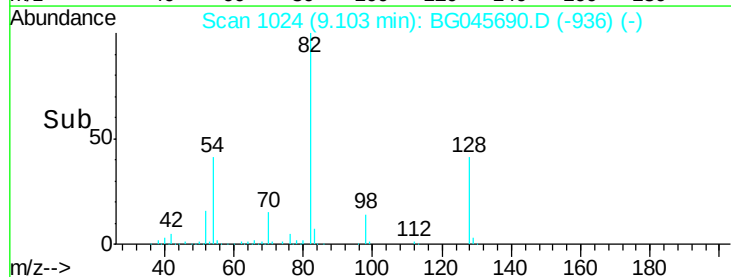
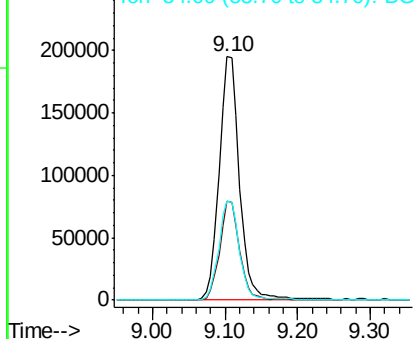


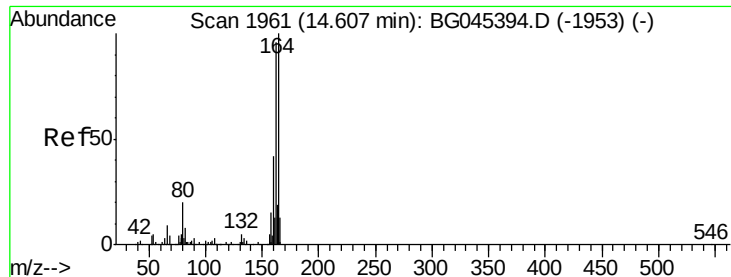
#23
Nitrobenzene-d5
Concen: 84.993 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Tgt	Ion: 82	Resp:	382533
Ion	Ratio	Lower	Upper
82	100		
128	40.9	30.9	46.3
54	40.8	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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

Instrument :

BNA_G

ClientSampleId :

PB129457BL

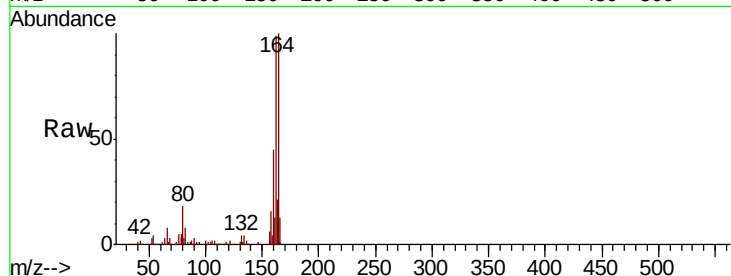
Tot Ion:164 Resp: 189422

Ion Ratio Lower Upper

164 100

162 98.8 76.9 115.3

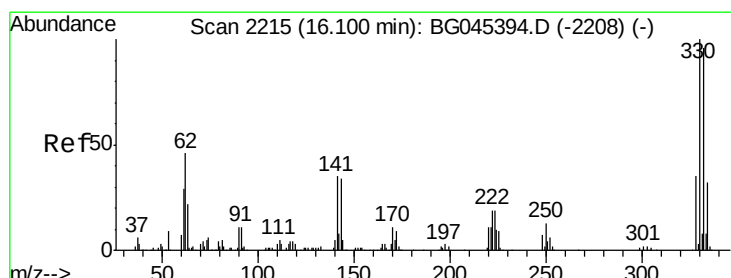
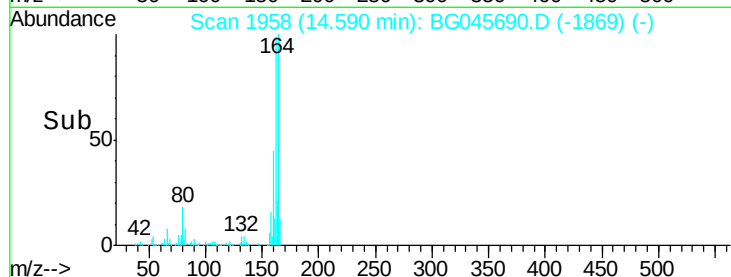
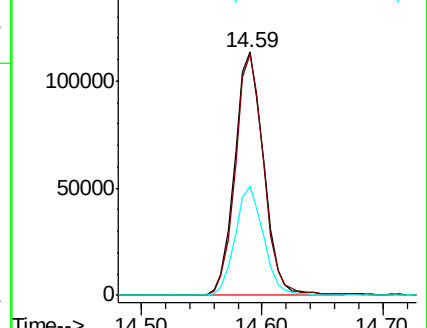
160 45.1 33.8 50.8



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: 118.919 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

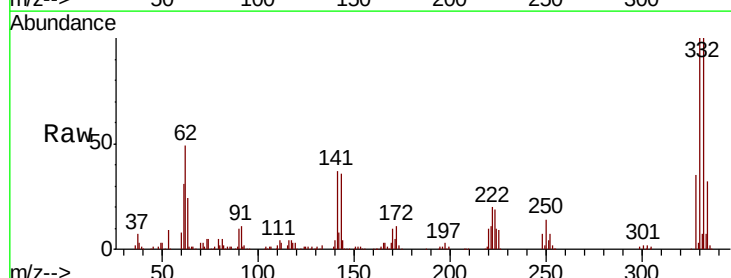
Tgt Ion:330 Resp: 288081

Ion Ratio Lower Upper

330 100

332 97.3 78.2 117.4

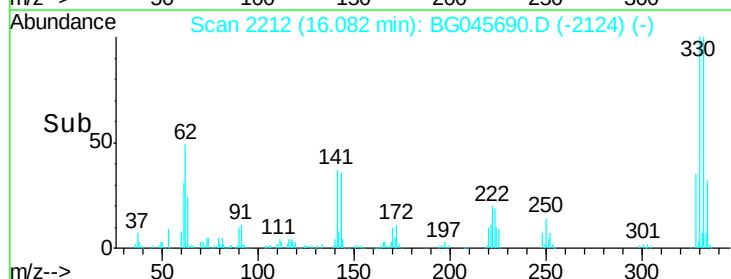
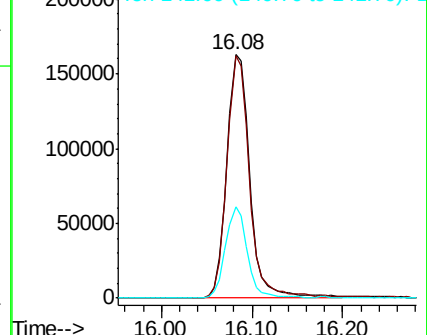
141 35.3 28.2 42.4

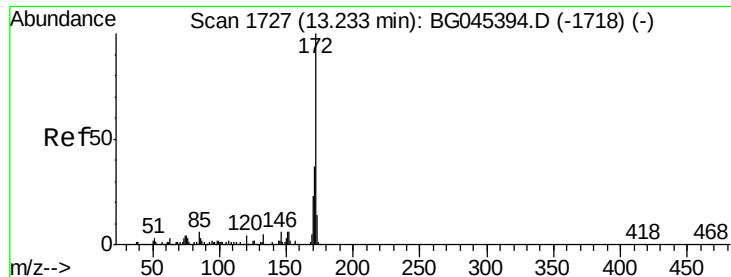


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

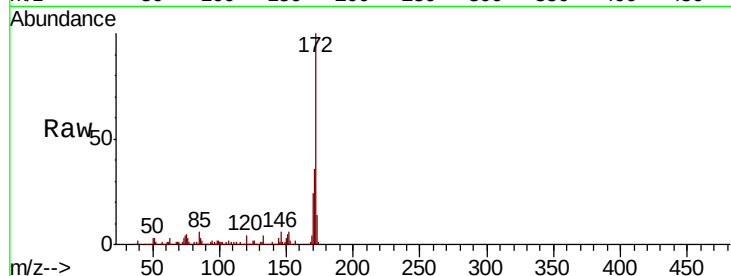




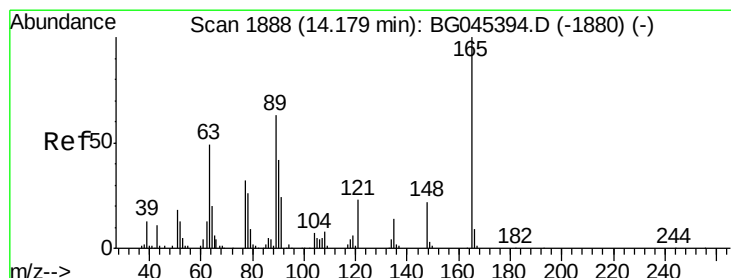
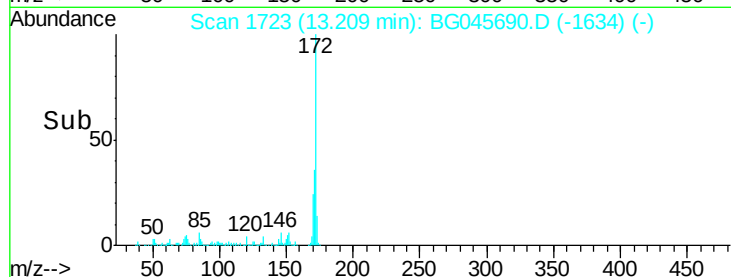
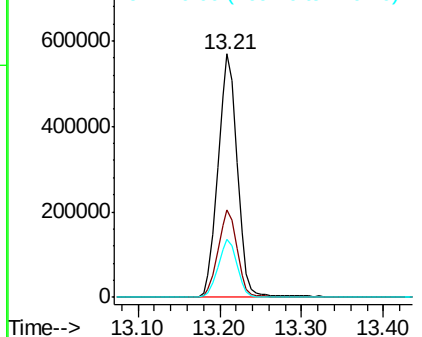
#45
2-Fluorobiphenyl
Concen: 84.256 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Instrument :
BNA_G
ClientSampleId :
PB129457BL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.5	44.3
170	23.8	18.5	27.7

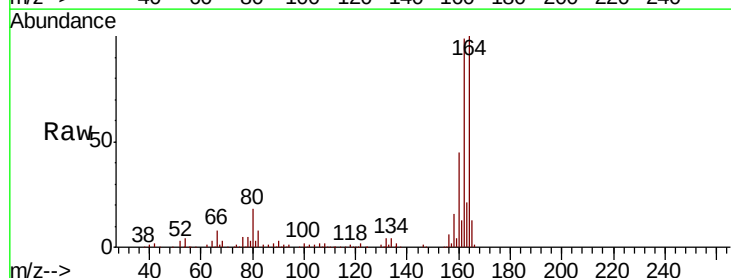


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

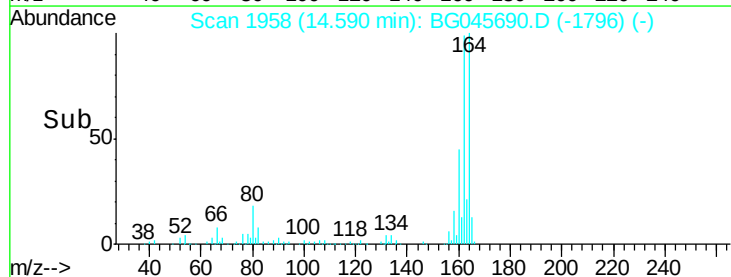
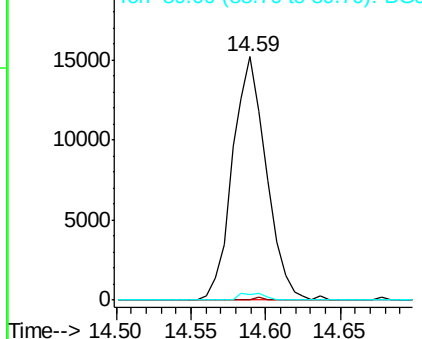


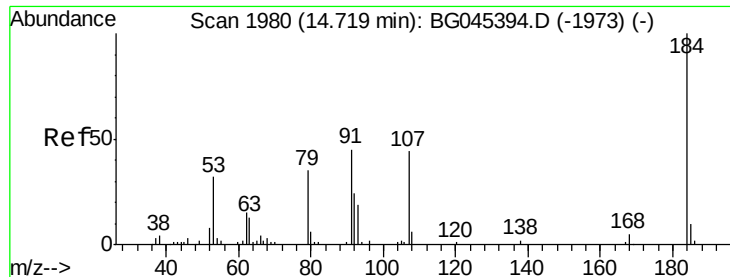
#51
2,6-Dinitrotoluene
Concen: 8.156 ng
RT: 14.59 min Scan# 1958
Delta R.T. 0.42 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	45.0	67.4#
89	2.2	50.2	75.4#



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

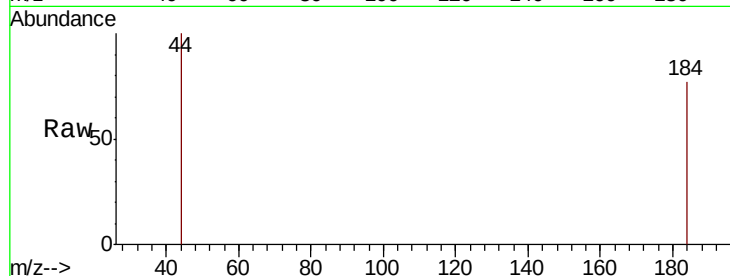




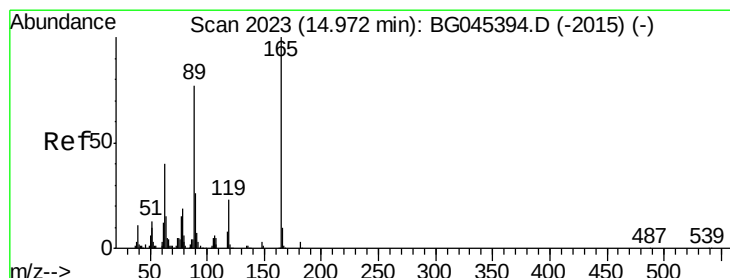
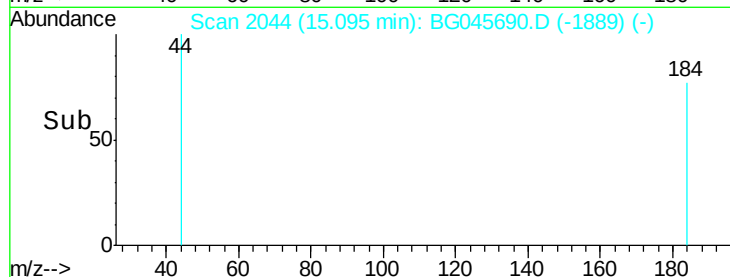
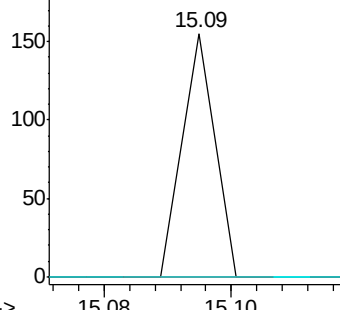
#54
2,4-Dinitrophenol
Concen: 5.486 ng
RT: 15.09 min Scan# 2044
Delta R.T. 0.38 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Instrument :
BNA_G
ClientSampleId :
PB129457BL

Tot Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 0.0 47.8 71.6#
154 0.0 58.3 87.5#

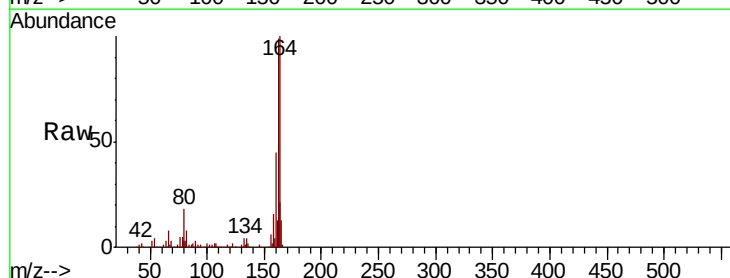


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

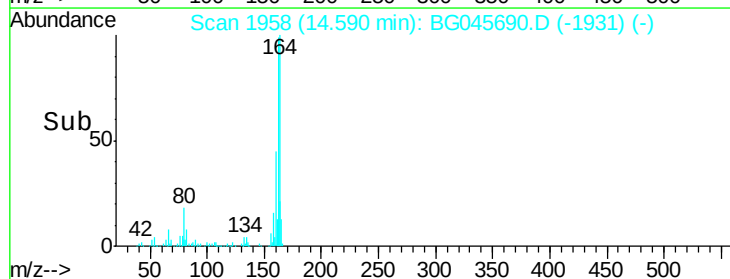
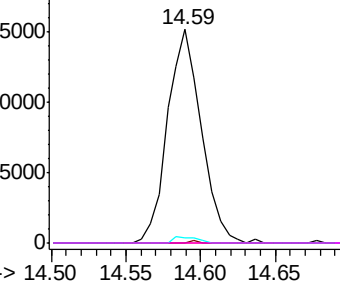


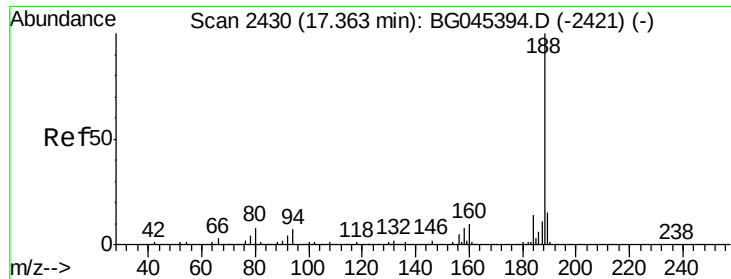
#57
2,4-Dinitrotoluene
Concen: 5.632 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.37 min
Lab File: BG045690.D
Acq: 10 Jun 2020 13:53

Tgt Ion:165 Resp: 23915
Ion Ratio Lower Upper
165 100
63 0.0 32.5 48.7#
89 2.2 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): 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: 17.34 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

Instrument :

BNA_G

ClientSampleId :

PB129457BL

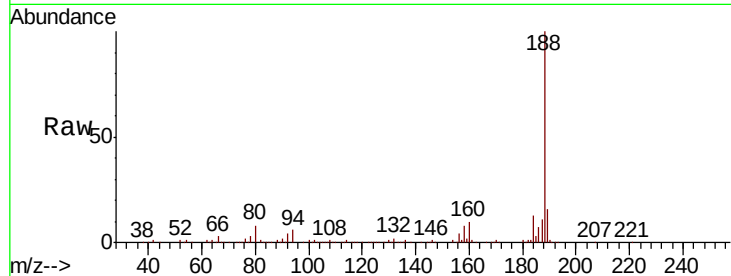
Tot Ion:188 Resp: 436018

Ion Ratio Lower Upper

188 100

94 5.7 5.5 8.3

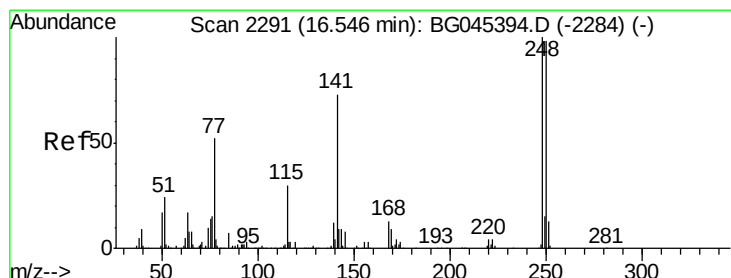
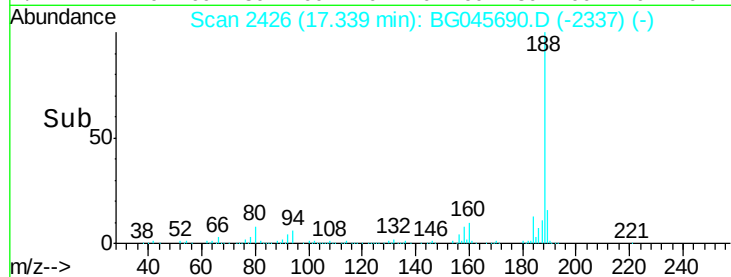
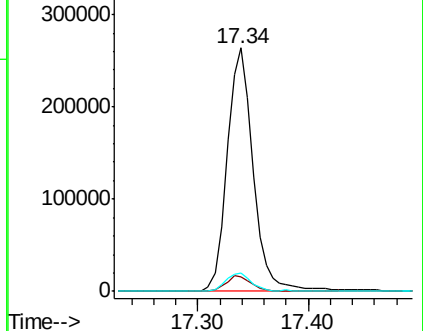
80 7.7 6.6 10.0



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: 4.158 ng

RT: 16.08 min Scan# 2212

Delta R.T. -0.45 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

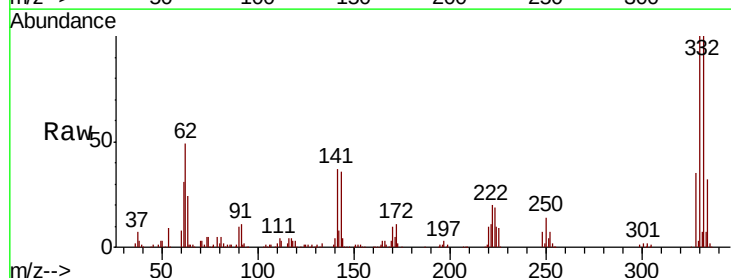
Tgt Ion:248 Resp: 19631

Ion Ratio Lower Upper

248 100

250 215.5 78.6 117.8#

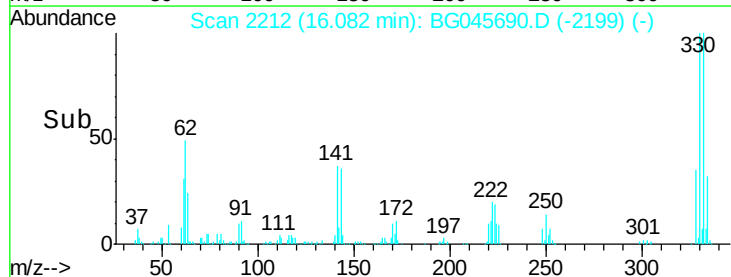
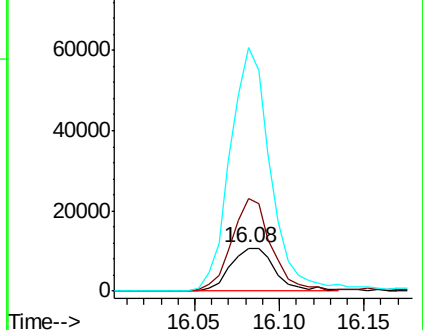
141 563.3 58.2 87.2#

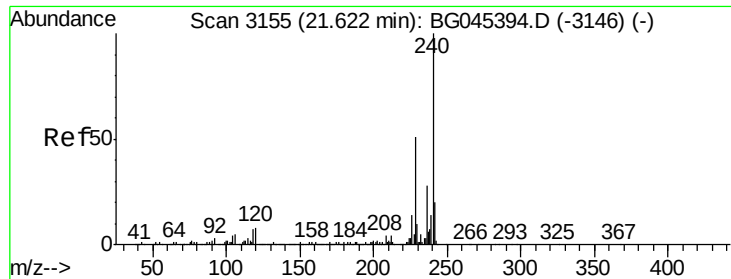


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3151

Delta R.T. -0.01 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

Instrument :

BNA_G

ClientSampleId :

PB129457BL

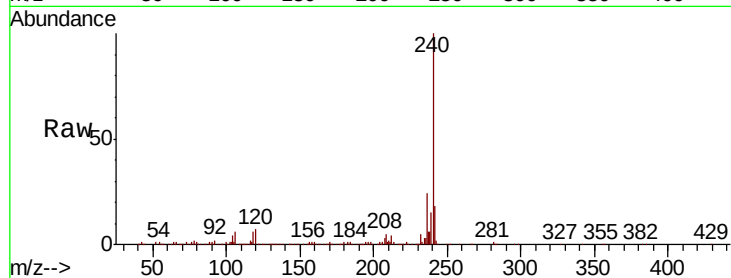
Tot Ion:240 Resp: 416199

Ion Ratio Lower Upper

240 100

120 7.0 6.1 9.1

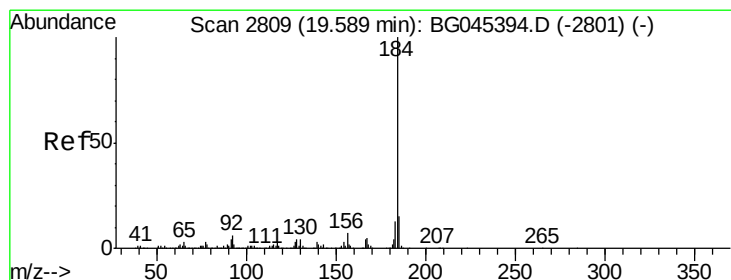
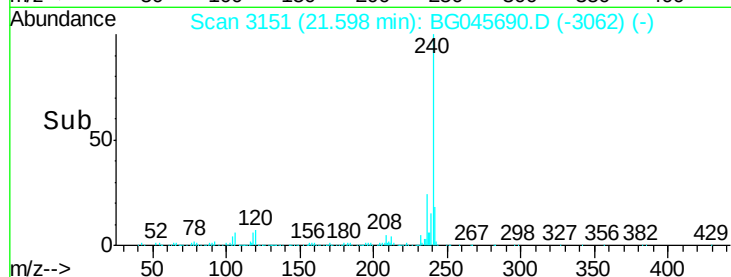
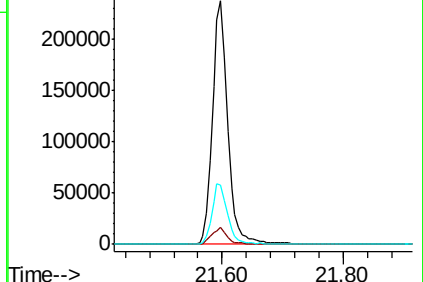
236 24.1 22.3 33.5



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: 2.522 ng

RT: 19.95 min Scan# 2871

Delta R.T. 0.38 min

Lab File: BG045690.D

Acq: 10 Jun 2020 13:53

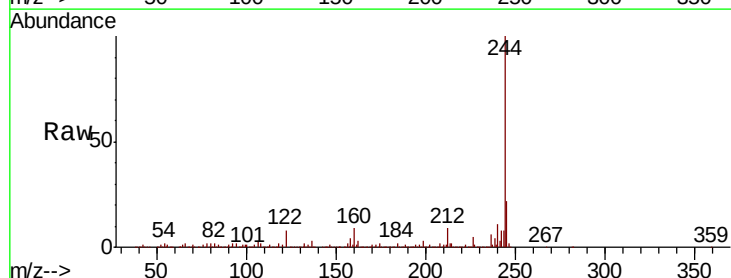
Tgt Ion:184 Resp: 29475

Ion Ratio Lower Upper

184 100

185 18.7 11.7 17.5#

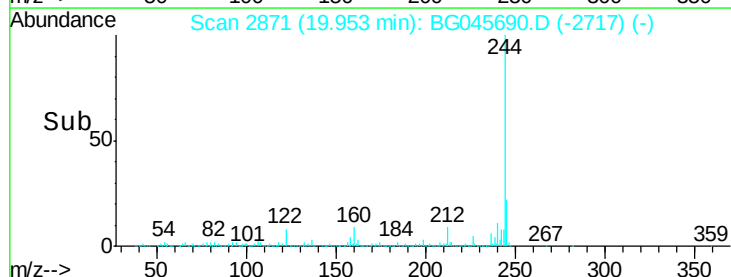
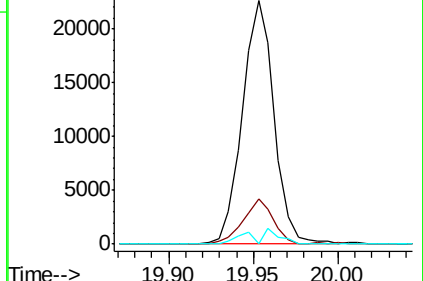
183 0.0 10.2 15.4#

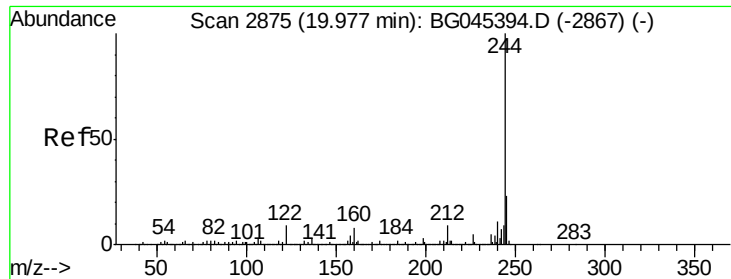


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

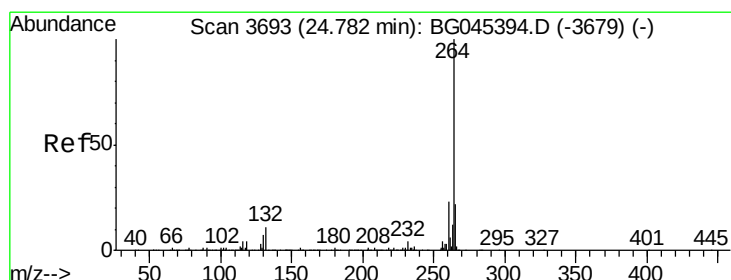
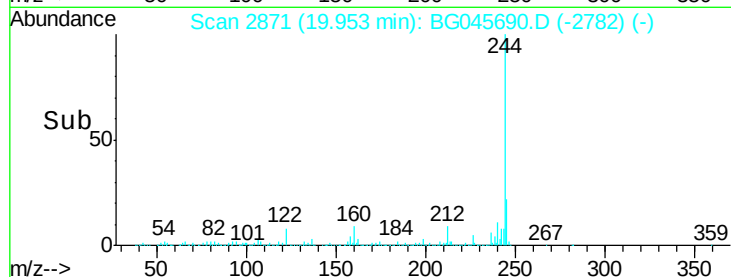
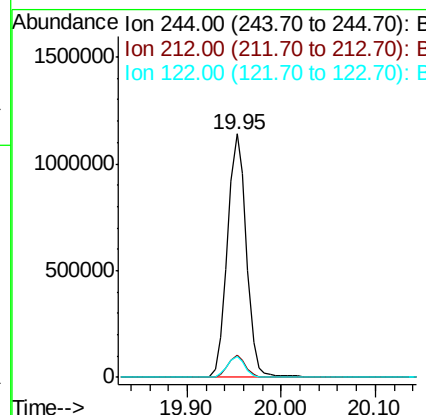
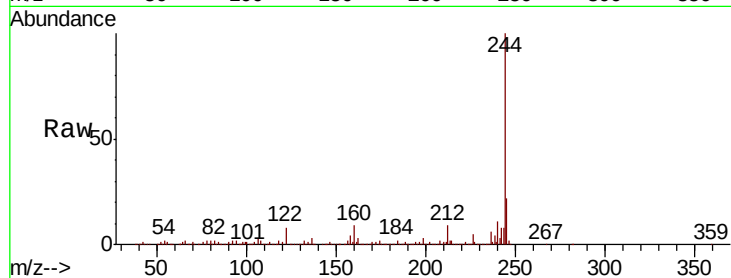




#79
 Terphenyl-d14
 Concen: 89.962 ng
 RT: 19.95 min Scan# 2871
 Delta R.T. -0.01 min
 Lab File: BG045690.D
 Acq: 10 Jun 2020 13:53

Instrument :
 BNA_G
 ClientSampleId :
 PB129457BL

Tot Ion:244 Resp: 1605365
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.4 11.0
 122 8.3 6.8 10.2



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.74 min Scan# 3686
 Delta R.T. -0.01 min
 Lab File: BG045690.D
 Acq: 10 Jun 2020 13:53

Tgt Ion:264 Resp: 429883
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.2 27.4
 265 22.8 17.6 26.4

