

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060920\
 Data File : BG045656.D
 Acq On : 9 Jun 2020 9:42
 Operator : CG/JU
 Sample : PB129377BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB129377BL

Quant Time: Jun 09 10:48:09 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

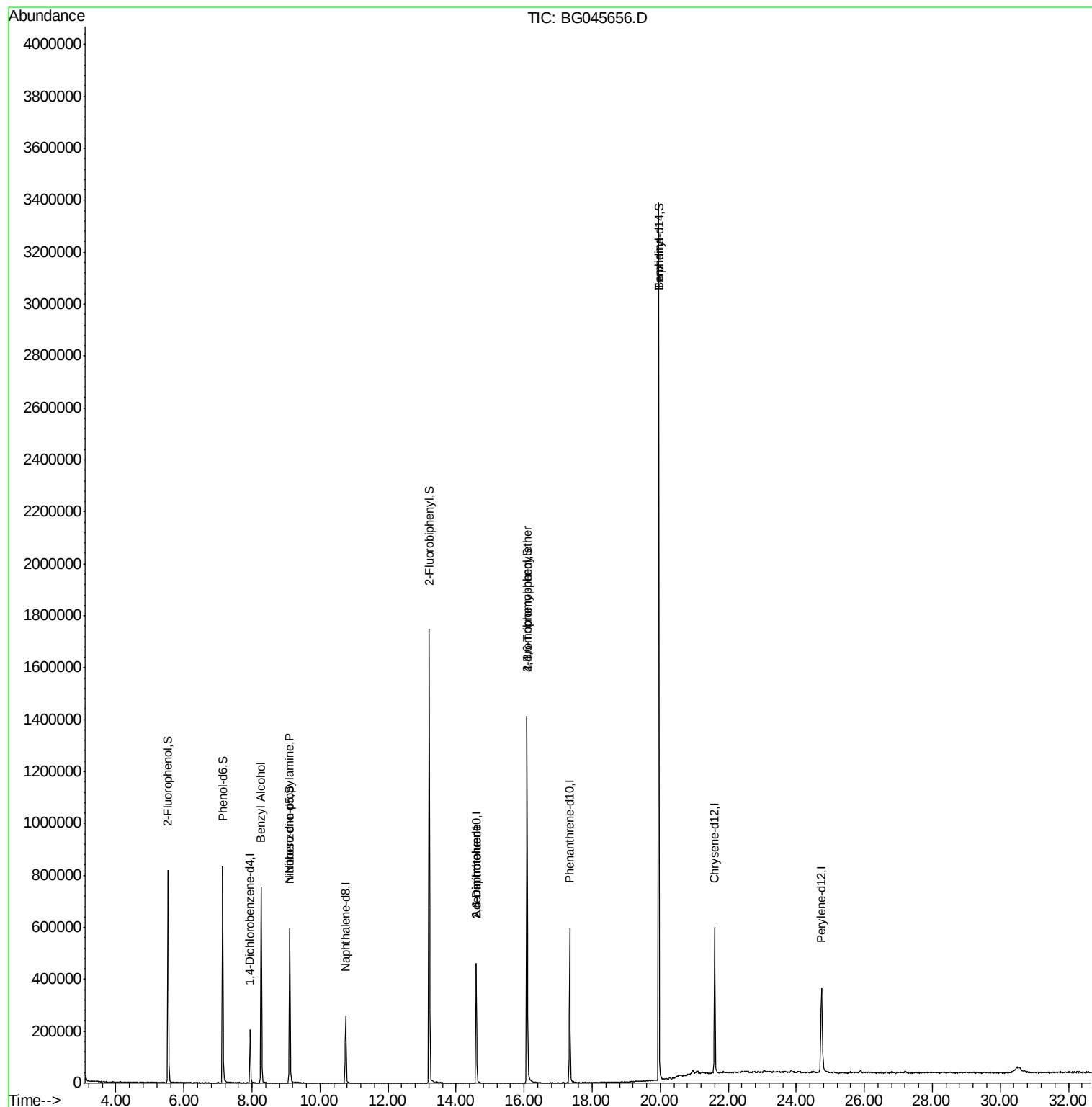
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	59601	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	239323	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	181671	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	416749	20.00	ng	0.00
76) Chrysene-d12	21.60	240	389537	20.00	ng	0.00
87) Perylene-d12	24.75	264	403031	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	403895	132.44	ng	0.00
7) Phenol-d6	7.14	99	564637	130.08	ng	0.00
23) Nitrobenzene-d5	9.11	82	412698	94.04	ng	0.00
42) 2,4,6-Tribromophenol	16.09	330	302806	130.33	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	998844	93.26	ng	0.00
79) Terphenyl-d14	19.96	244	1664856	99.68	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.27	79	7630	2.128	ng	# 65
19) n-Nitroso-di-n-propylamine	9.11	70	57136	19.035	ng	# 82
51) 2,6-Dinitrotoluene	14.60	165	23069	8.203	ng	# 23
57) 2,4-Dinitrotoluene	14.60	165	23071	5.665	ng	# 23
67) 4-Bromophenyl-phenylether	16.09	248	20568	4.558	ng	# 1
77) Benzidine	19.96	184	30715	2.808	ng	# 90

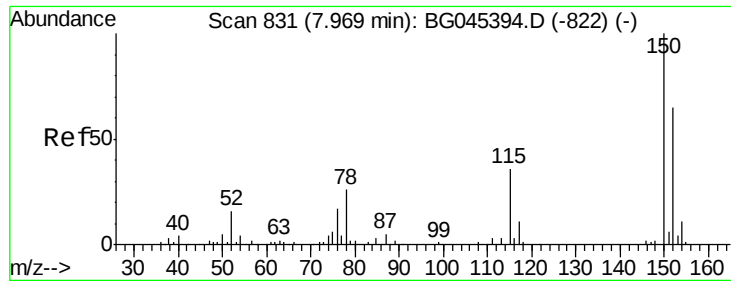
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

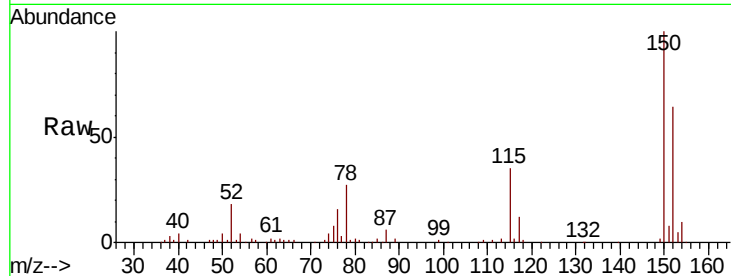




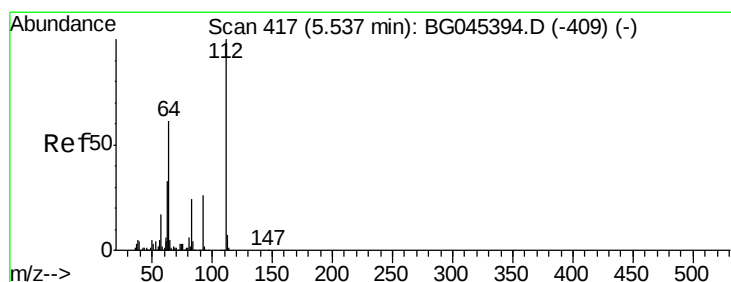
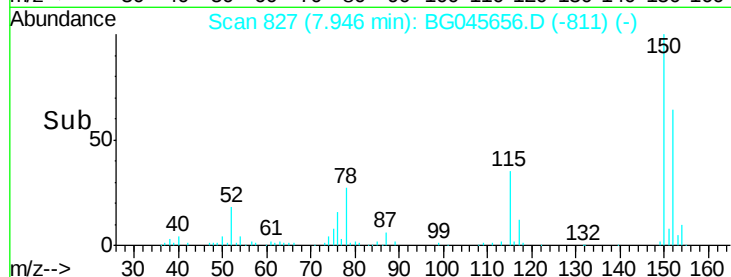
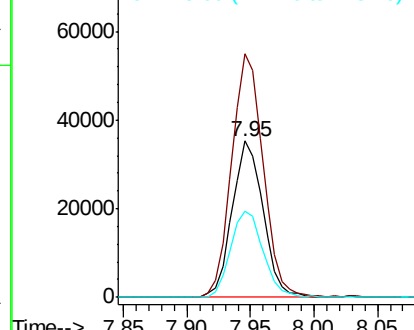
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.95 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: BG045656.D
 Acq: 9 Jun 2020 9:42

Instrument :
 BNA_G
 ClientSampleId :
 PB129377BL

Tot Ion:152 Resp: 59601
 Ion Ratio Lower Upper
 152 100
 150 156.0 122.4 183.6
 115 55.0 44.2 66.4

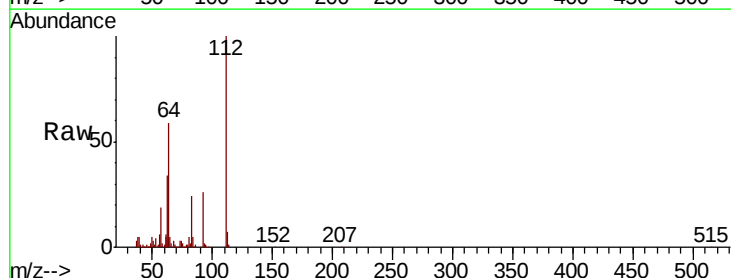


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

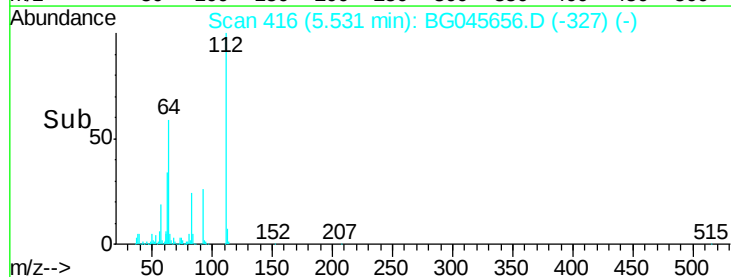
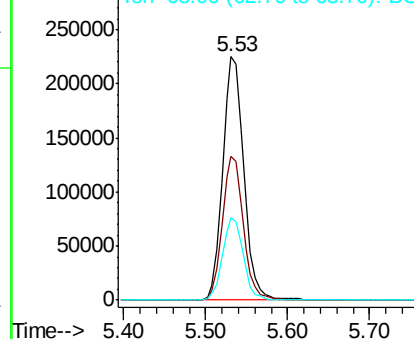


#5
 2-Fluorophenol
 Concen: 132.436 ng
 RT: 5.53 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: BG045656.D
 Acq: 9 Jun 2020 9:42

Tgt Ion:112 Resp: 403895
 Ion Ratio Lower Upper
 112 100
 64 59.1 48.6 72.8
 63 34.0 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: 130.080 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

Instrument :

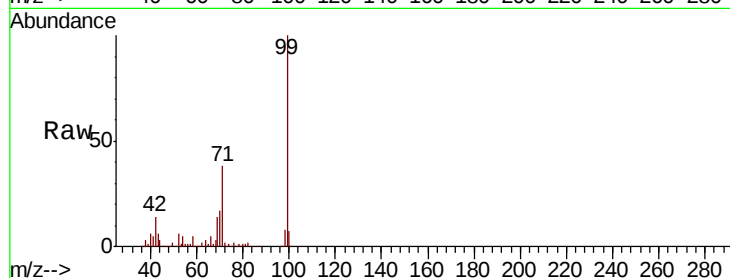
BNA_G

ClientSampleId :

PB129377BL

Tot Ion: 99 Resp: 564637

Ion	Ratio	Lower	Upper
99	100		
42	14.1	11.3	16.9
71	38.4	30.8	46.2

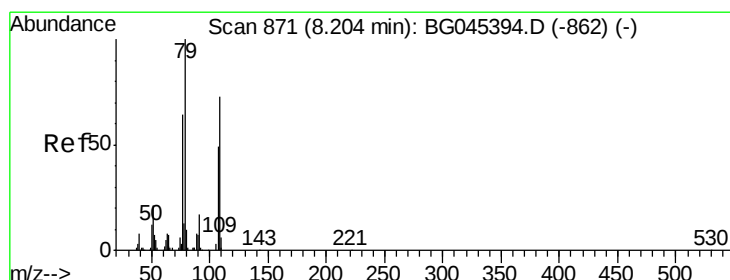
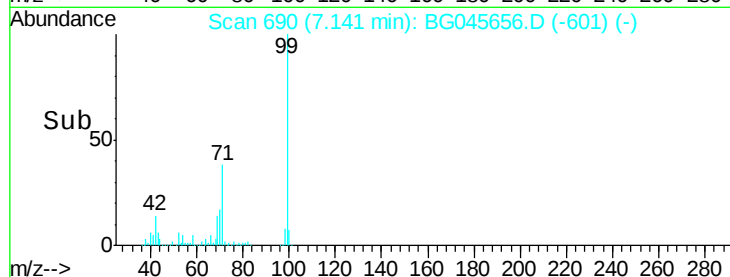
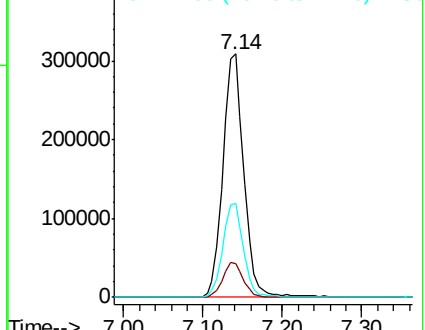


Abundance

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



#15

Benzyl Alcohol

Concen: 2.128 ng

RT: 8.27 min Scan# 882

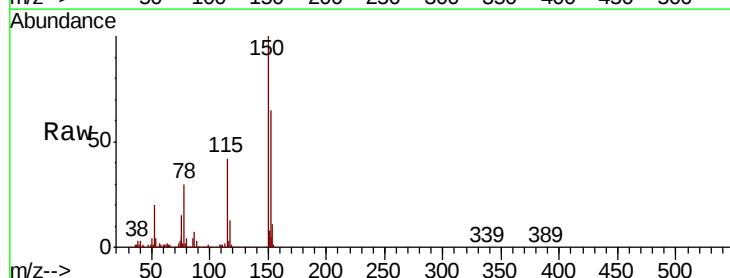
Delta R.T. 0.07 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

Tgt Ion: 79 Resp: 7630

Ion	Ratio	Lower	Upper
79	100		
108	32.0	58.2	87.4#
77	78.6	51.0	76.4#

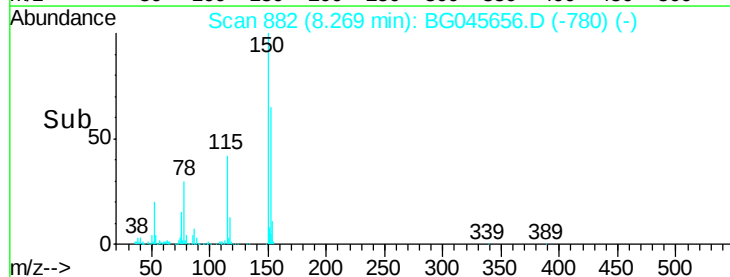
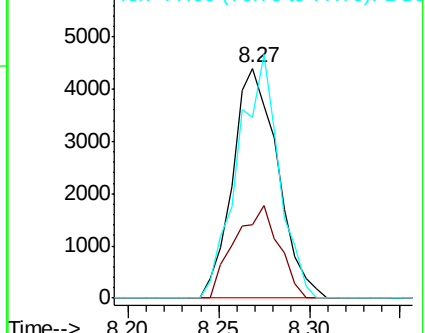


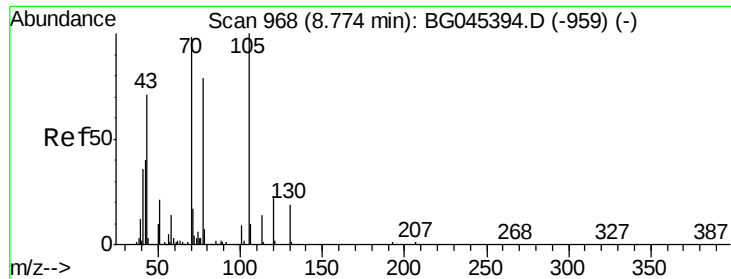
Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

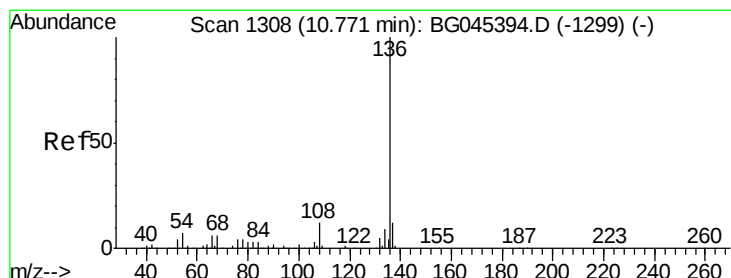
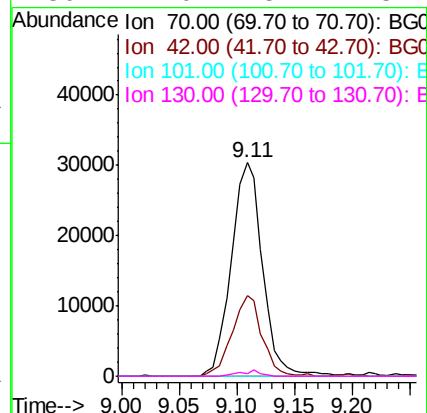
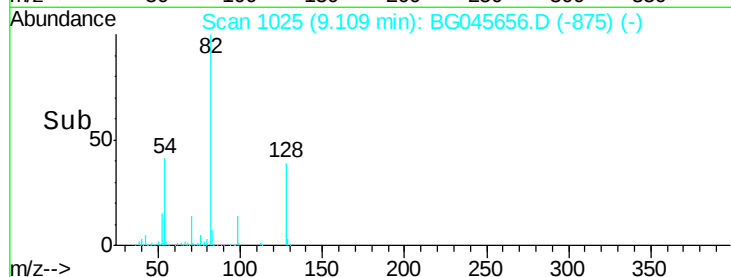
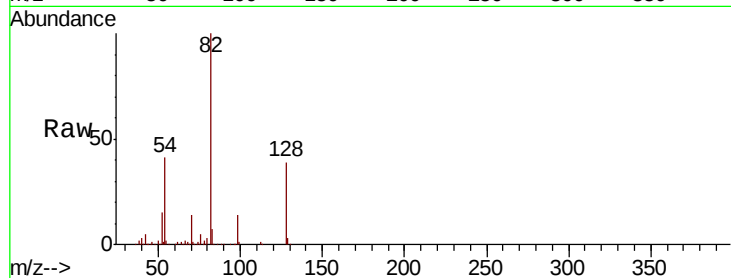




#19
n-Nitroso-di-n-propylamine
Concen: 19.035 ng
RT: 9.11 min Scan# 1025
Delta R.T. 0.35 min
Lab File: BG045656.D
Acq: 9 Jun 2020 9:42

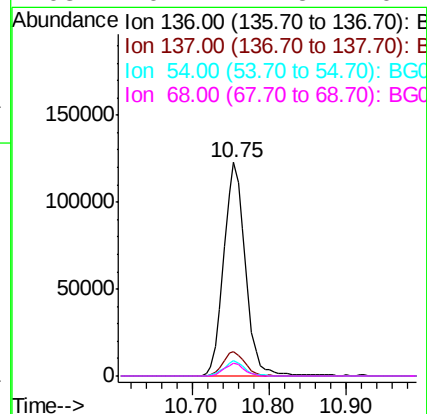
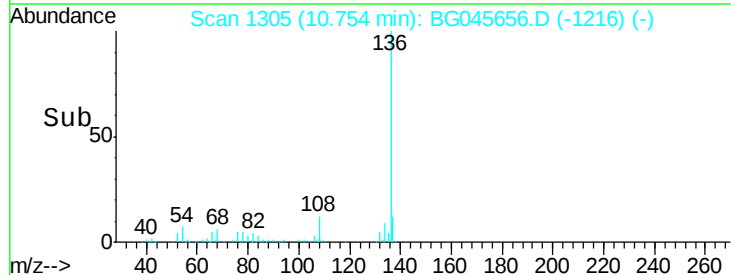
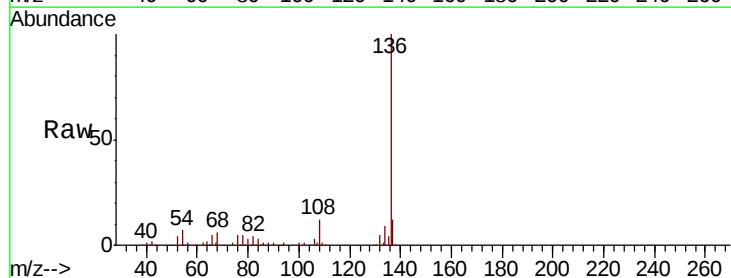
Instrument :
BNA_G
ClientSampleId :
PB129377BL

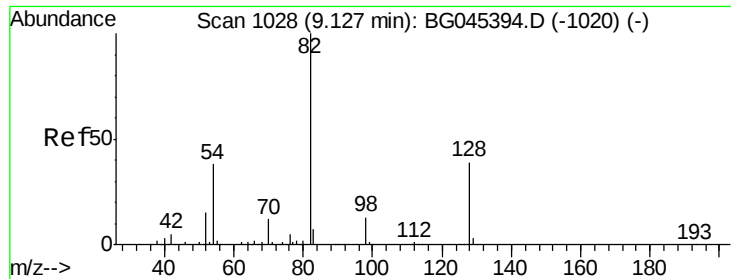
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.6	33.2	49.8
101	0.0	7.8	11.6#
130	1.0	15.4	23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG045656.D
Acq: 9 Jun 2020 9:42

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.4	14.2
54	6.9	5.8	8.6
68	6.1	4.5	6.7

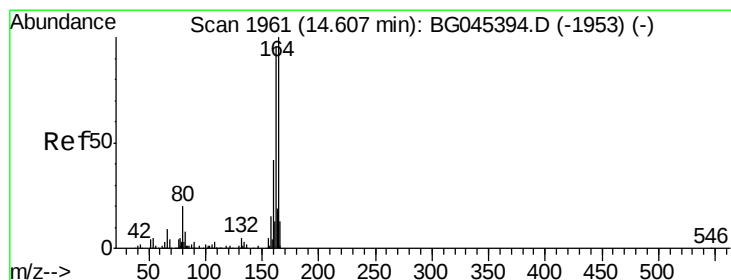
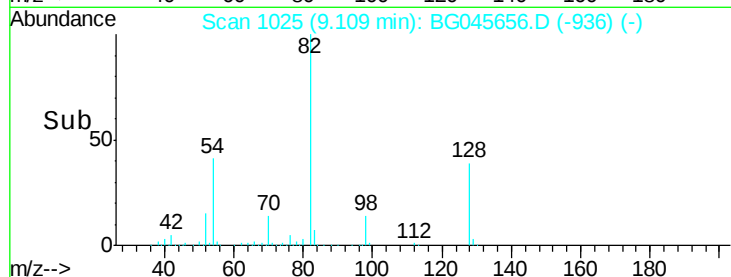
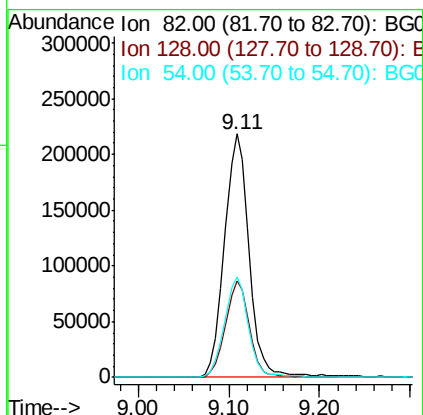
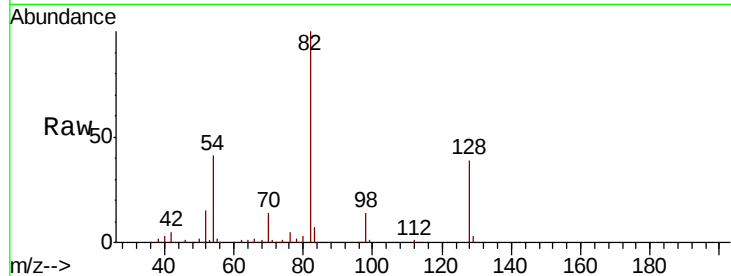




#23
Nitrobenzene-d5
Concen: 94.036 ng
RT: 9.11 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BG045656.D
Acq: 9 Jun 2020 9:42

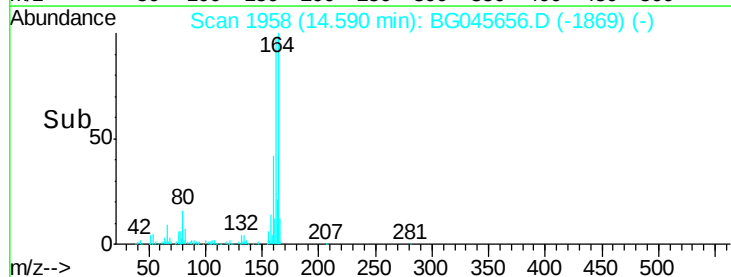
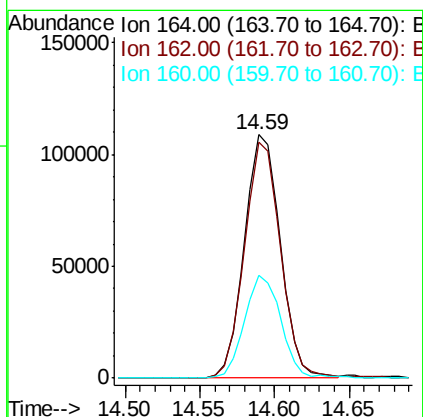
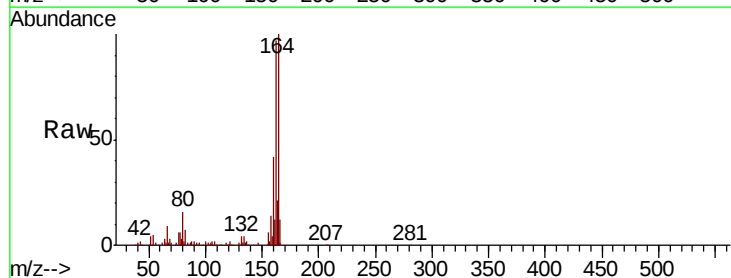
Instrument :
BNA_G
ClientSampleId :
PB129377BL

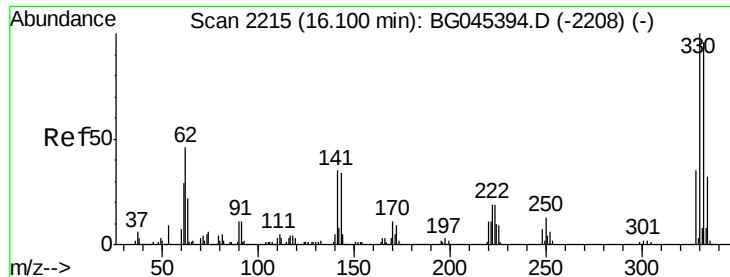
Tot Ion	82	Resp	412698
Ion Ratio	Lower	Upper	
82	100		
128	39.4	30.9	46.3
54	41.2	30.3	45.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG045656.D
Acq: 9 Jun 2020 9:42

Tgt Ion	164	Resp	181671
Ion Ratio	Lower	Upper	
164	100		
162	96.9	76.9	115.3
160	42.3	33.8	50.8





#42

2,4,6-Tribromophenol

Concen: 130.331 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.01 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

Instrument :

BNA_G

ClientSampleId :

PB129377BL

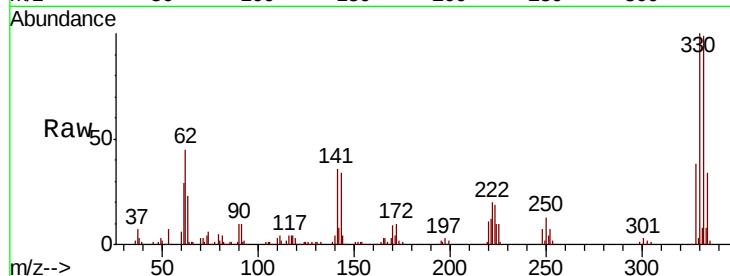
Tot Ion:330 Resp: 302806

Ion Ratio Lower Upper

330 100

332 97.6 78.2 117.4

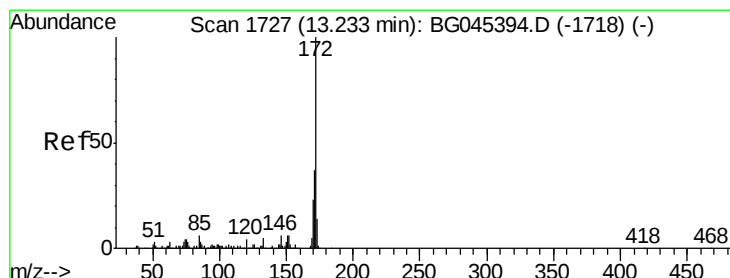
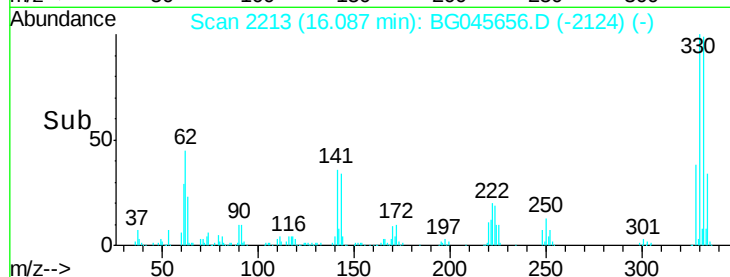
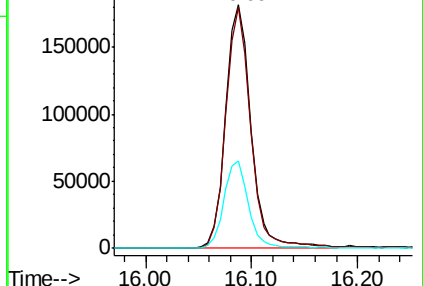
141 35.4 28.2 42.4



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: 93.259 ng

RT: 13.21 min Scan# 1724

Delta R.T. 0.00 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

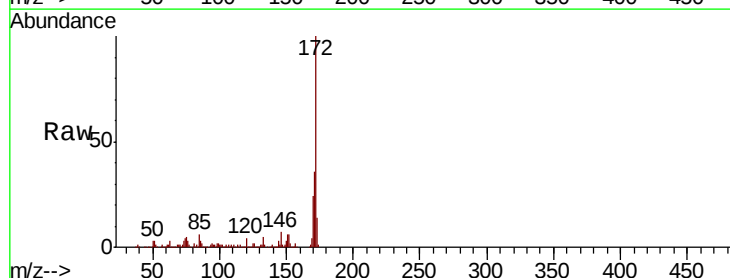
Tgt Ion:172 Resp: 998844

Ion Ratio Lower Upper

172 100

171 36.4 29.5 44.3

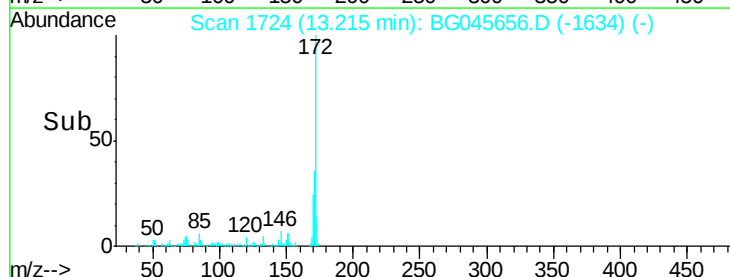
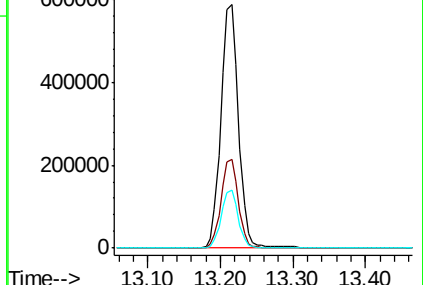
170 23.9 18.5 27.7

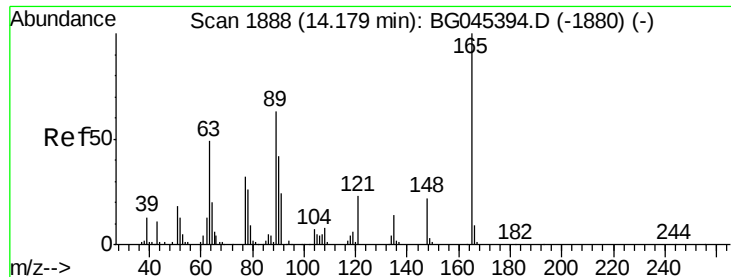


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 8.203 ng

RT: 14.60 min Scan# 1959

Delta R.T. 0.43 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

Instrument :

BNA_G

ClientSampleId :

PB129377BL

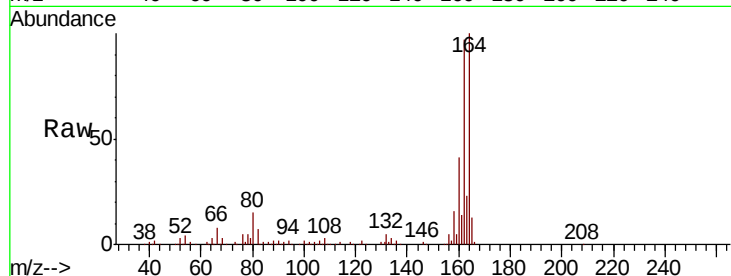
Tot Ion:165 Resp: 23069

Ion Ratio Lower Upper

165 100

63 2.2 45.0 67.4#

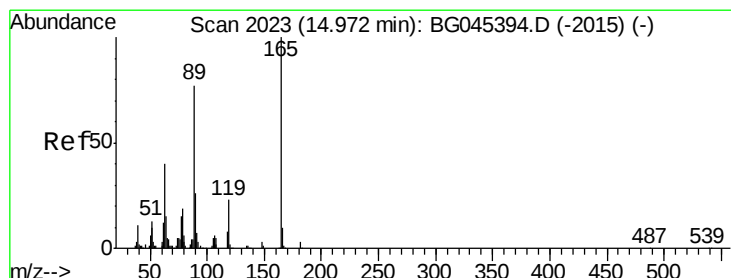
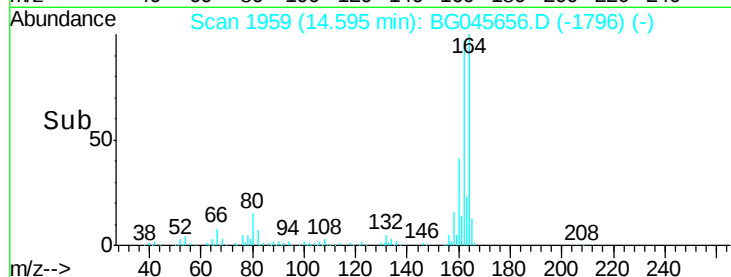
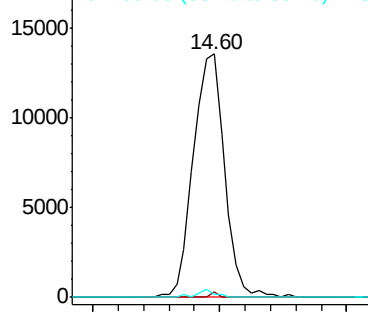
89 1.3 50.2 75.4#



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



#57

2,4-Dinitrotoluene

Concen: 5.665 ng

RT: 14.60 min Scan# 1959

Delta R.T. -0.36 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

Tgt Ion:165 Resp: 23071

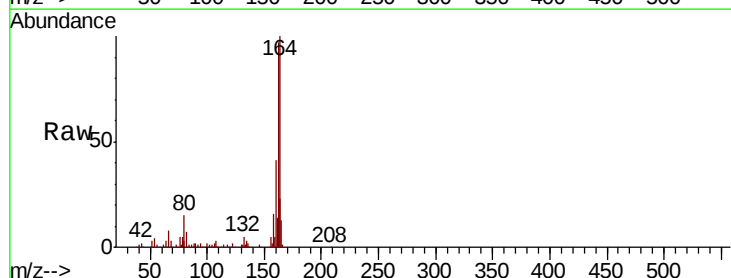
Ion Ratio Lower Upper

165 100

63 2.2 32.5 48.7#

89 1.3 61.8 92.6#

182 0.0 2.3 3.5#

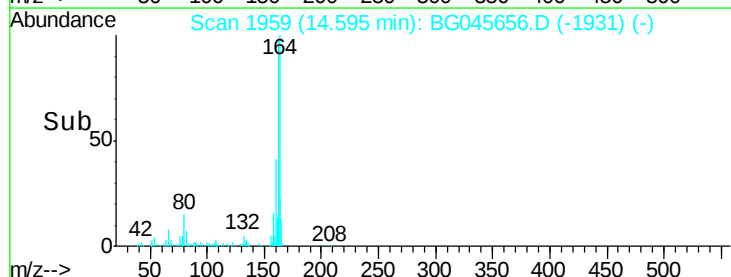
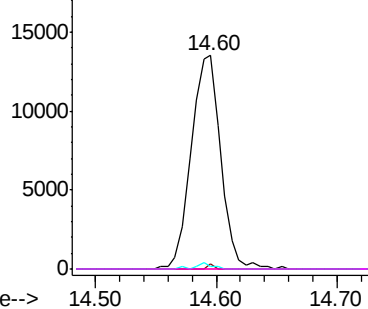


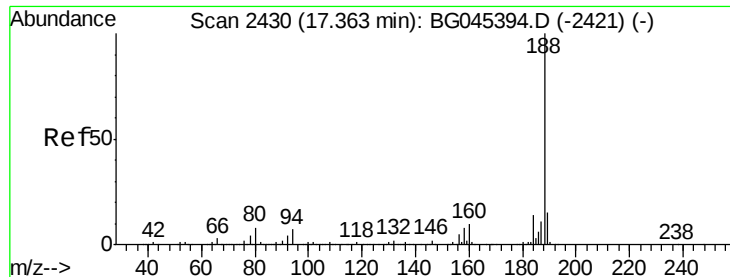
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): 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: BG045656.D

Acq: 9 Jun 2020 9:42

Instrument :

BNA_G

ClientSampleId :

PB129377BL

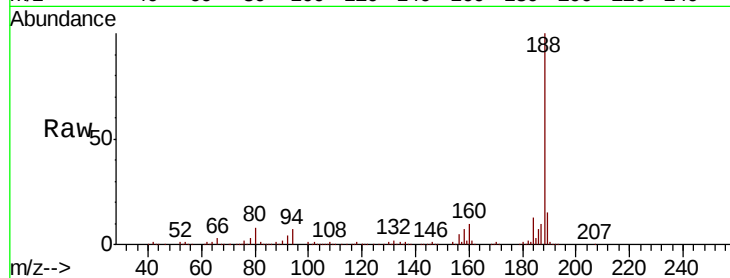
Tot Ion:188 Resp: 416749

Ion Ratio Lower Upper

188 100

94 7.2 5.5 8.3

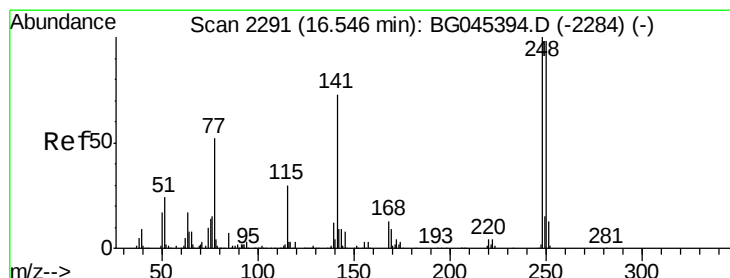
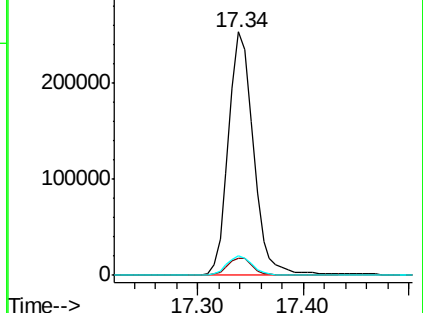
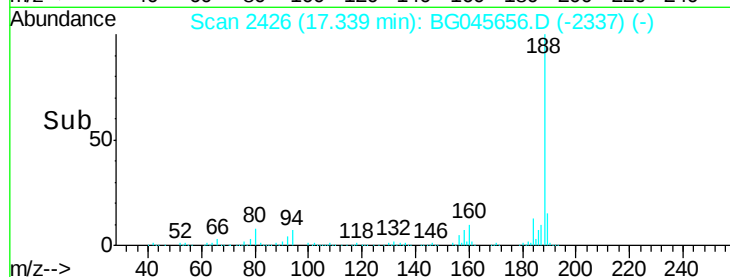
80 8.3 6.6 10.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0



#67

4-Bromophenyl-phenylether

Concen: 4.558 ng

RT: 16.09 min Scan# 2213

Delta R.T. -0.45 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

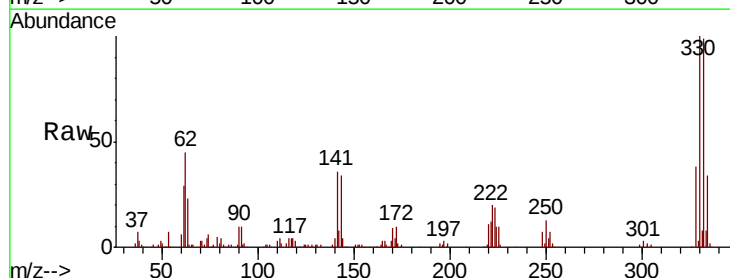
Tgt Ion:248 Resp: 20568

Ion Ratio Lower Upper

248 100

250 190.2 78.6 117.8#

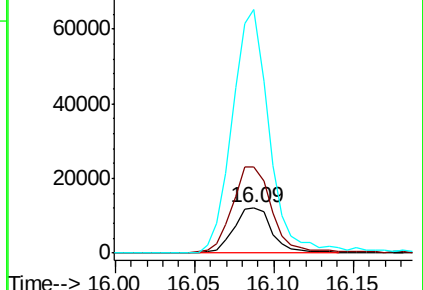
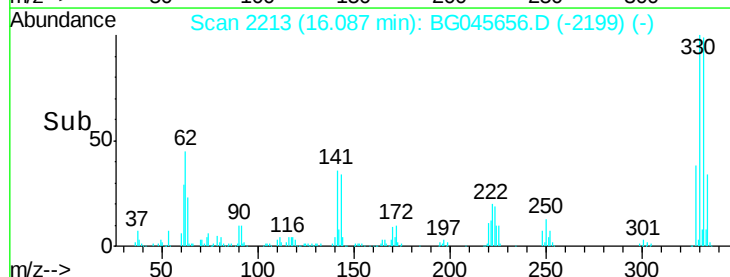
141 538.8 58.2 87.2#

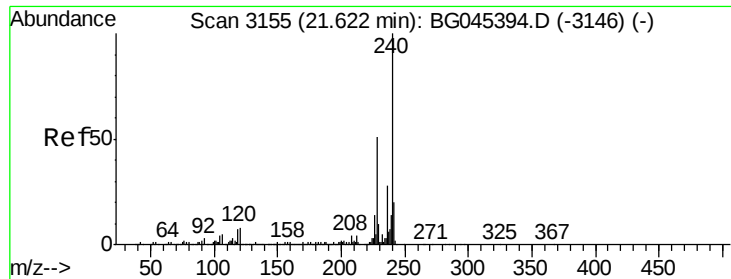


Abundance Ion 248.00 (247.70 to 248.70): E

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: BG045656.D

Acq: 9 Jun 2020 9:42

Instrument :

BNA_G

ClientSampled :

PB129377BL

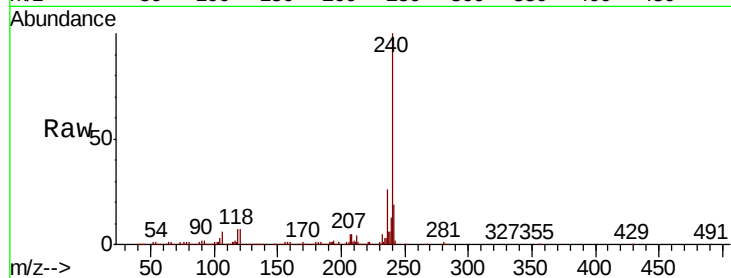
Tot Ion:240 Resp: 389537

Ion Ratio Lower Upper

240 100

120 6.9 6.1 9.1

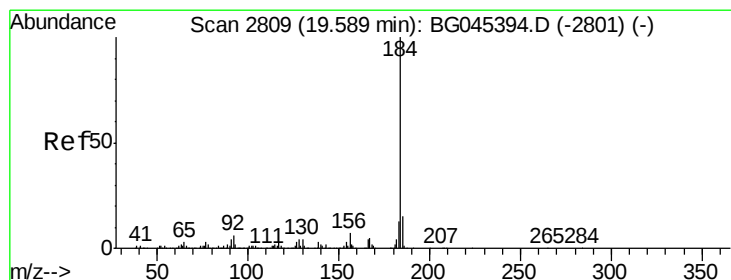
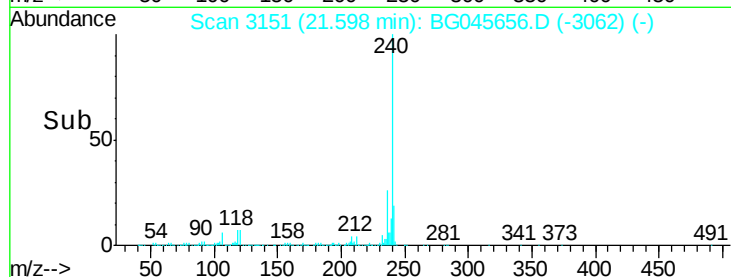
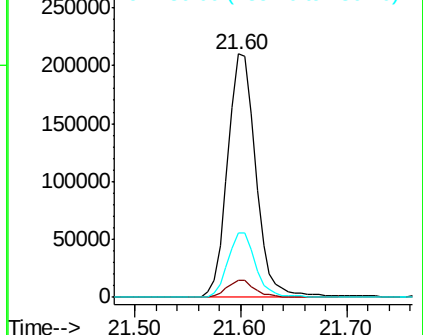
236 26.3 22.3 33.5



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: 2.808 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.38 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

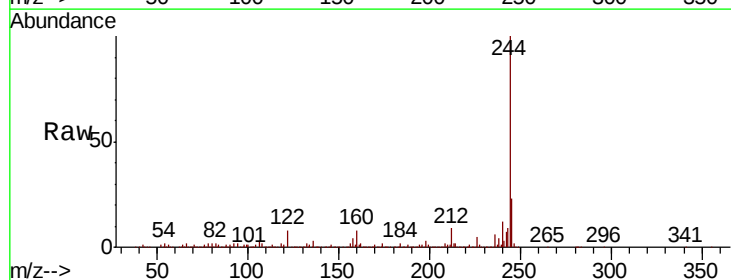
Tgt Ion:184 Resp: 30715

Ion Ratio Lower Upper

184 100

185 16.8 11.7 17.5

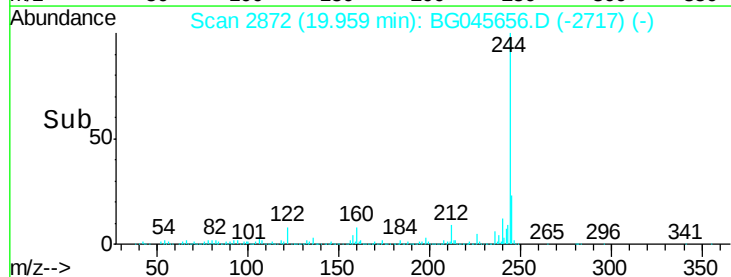
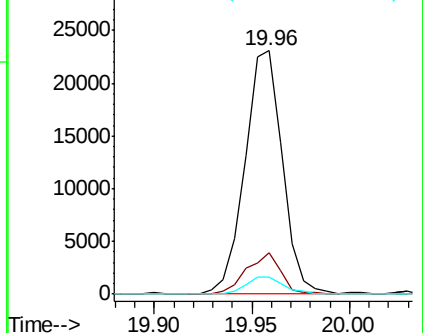
183 6.9 10.2 15.4#

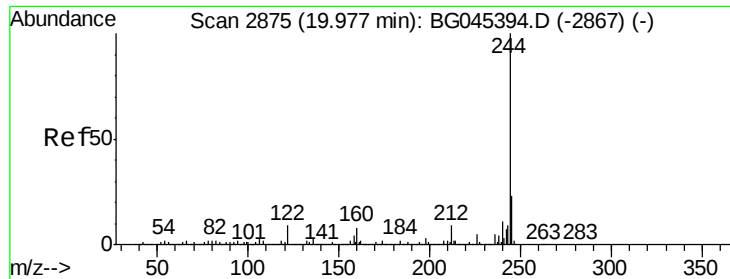


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 99.681 ng

RT: 19.96 min Scan# 2872

Delta R.T. 0.00 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

Instrument :

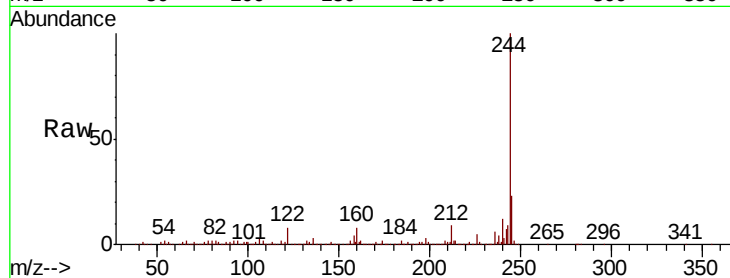
BNA_G

ClientSampleId :

PB129377BL

Tot Ion:244 Resp: 1664856

Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.4	11.0
122	8.1	6.8	10.2

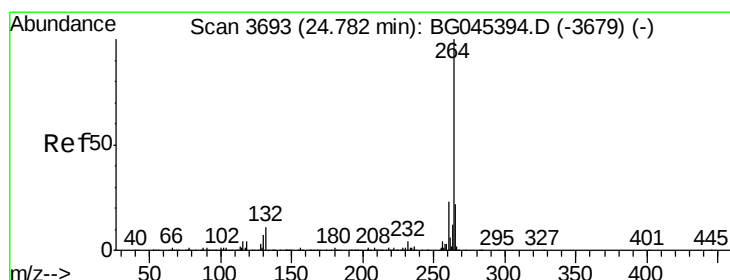
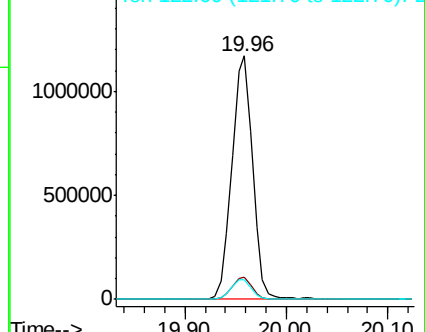
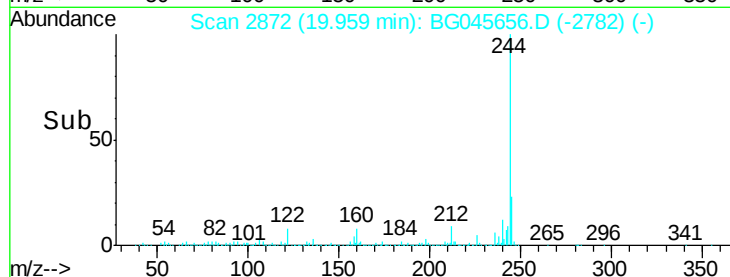


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.75 min Scan# 3687

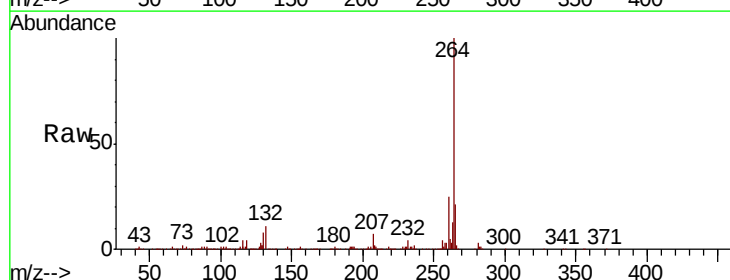
Delta R.T. -0.01 min

Lab File: BG045656.D

Acq: 9 Jun 2020 9:42

Tgt Ion:264 Resp: 403031

Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.2	27.4
265	20.9	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

