

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\
 Data File : BG044529.D
 Acq On : 20 Feb 2020 20:34
 Operator : CG/JU
 Sample : L1573-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 21 06:49:58 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

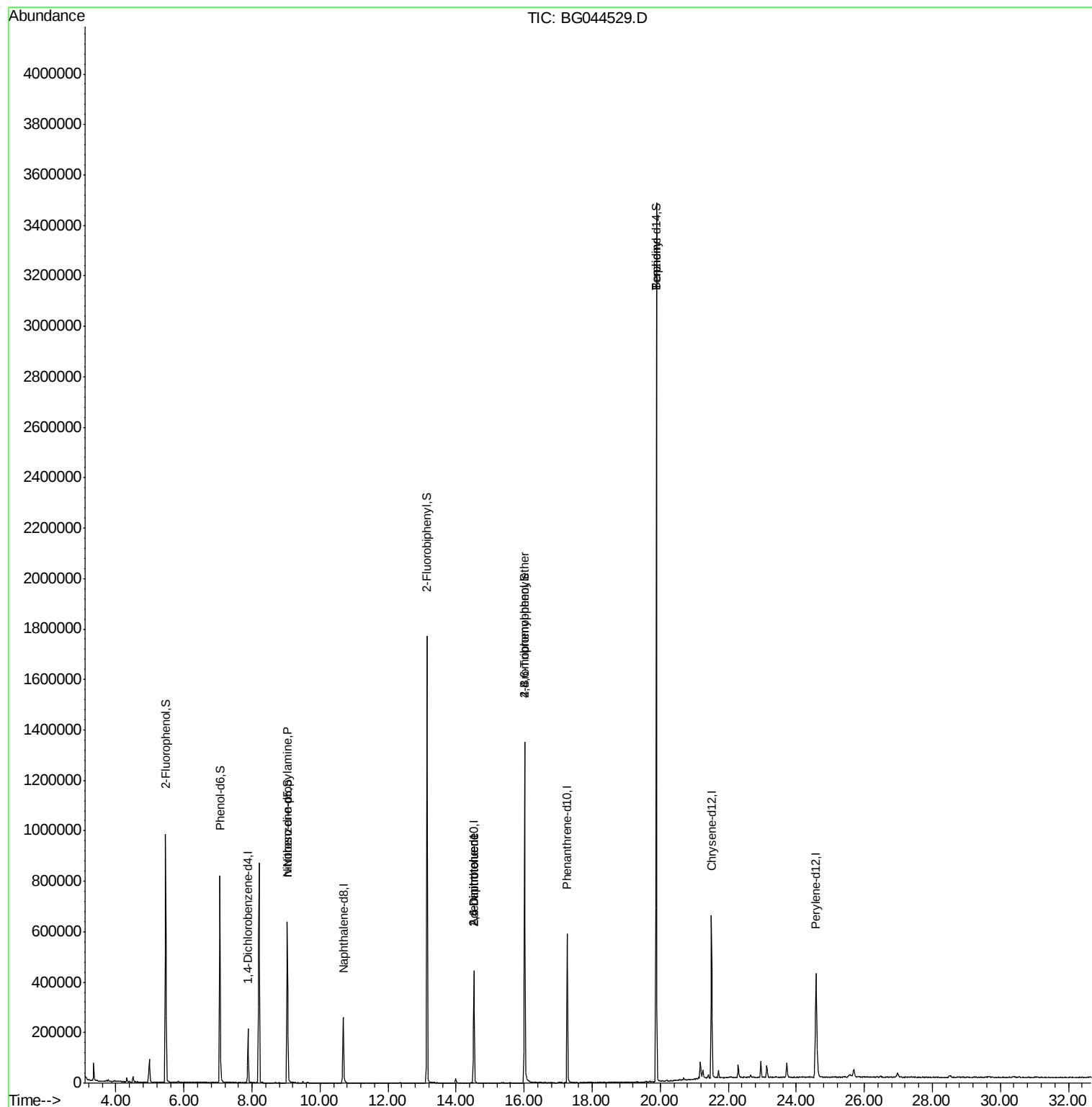
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	63824	20.00	ng	-0.02
21) Naphthalene-d8	10.68	136	263433	20.00	ng	-0.02
39) Acenaphthene-d10	14.52	164	170469	20.00	ng	-0.02
64) Phenanthrene-d10	17.26	188	383923	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	402496	20.00	ng	-0.03
87) Perylene-d12	24.58	264	423059	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	481798	133.23	ng	-0.02
7) Phenol-d6	7.06	99	548583	112.96	ng	-0.02
23) Nitrobenzene-d5	9.04	82	430101	92.17	ng	-0.02
42) 2,4,6-Tribromophenol	16.01	330	288523	144.17	ng	-0.02
45) 2-Fluorobiphenyl	13.15	172	999406	98.17	ng	-0.02
79) Terphenyl-d14	19.88	244	1683105	86.01	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.04	70	54881	16.957	ng	# 78
51) 2,6-Dinitrotoluene	14.52	165	22554	8.255	ng	# 30
57) 2,4-Dinitrotoluene	14.52	165	22554	5.890	ng	# 28
67) 4-Bromophenyl-phenylether	16.01	248	19695	4.709	ng	# 1
77) Benzidine	19.88	184	26485	2.372	ng	# 91

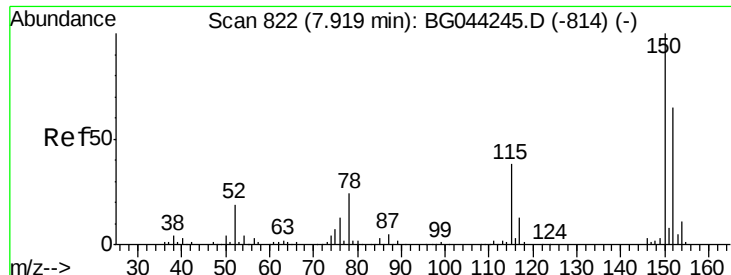
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration



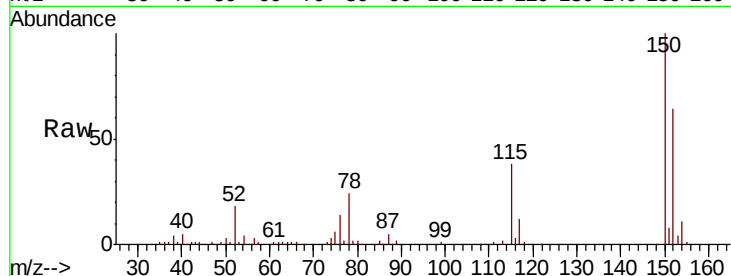


#1

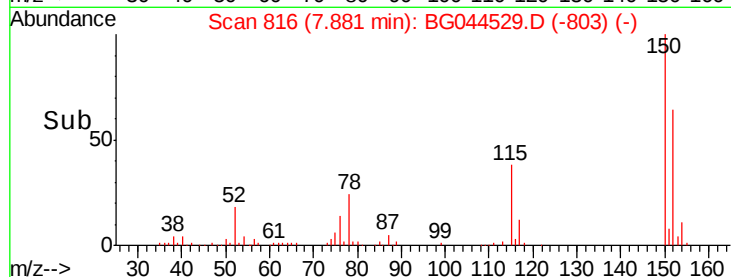
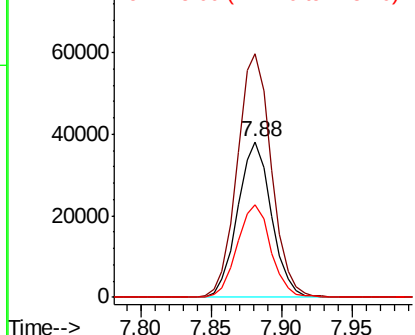
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.88 min Scan# 816
Delta R.T. -0.02 min
Lab File: BG044529.D
Acq: 20 Feb 2020 20:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63824
Ion Ratio Lower Upper
152 100
150 156.7 122.6 183.8
115 59.4 46.0 69.0



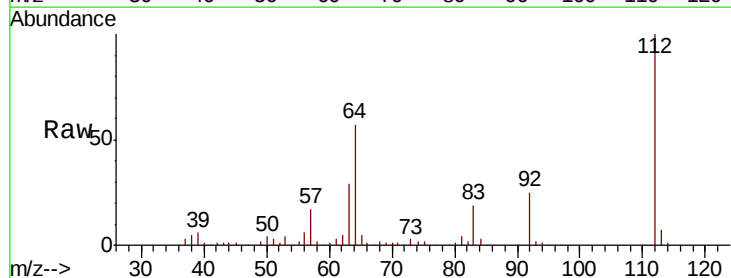
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



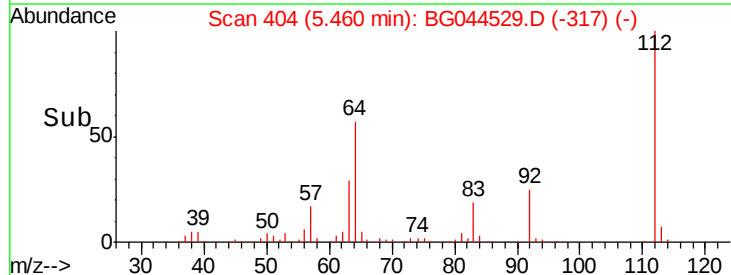
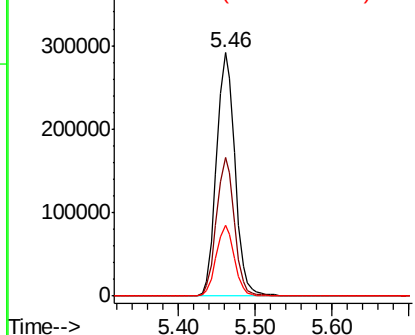
#5

2-Fluorophenol
Concen: 133.225 ng
RT: 5.46 min Scan# 404
Delta R.T. -0.02 min
Lab File: BG044529.D
Acq: 20 Feb 2020 20:34

Tgt Ion:112 Resp: 481798
Ion Ratio Lower Upper
112 100
64 57.1 45.4 68.2
63 29.2 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: 112.963 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.02 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

Instrument :

BNA_G

ClientSampleId :

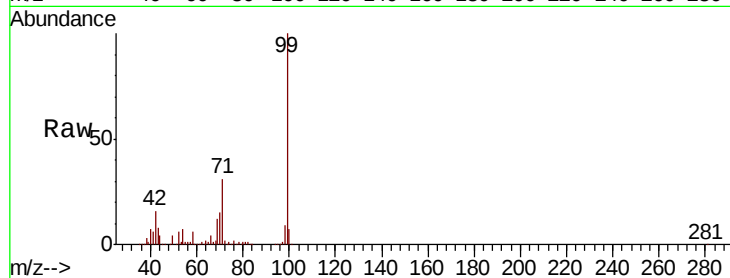
Tot Ion: 99 Resp: 548583

Ion Ratio Lower Upper

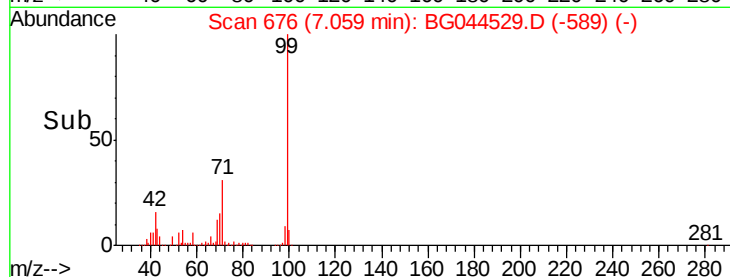
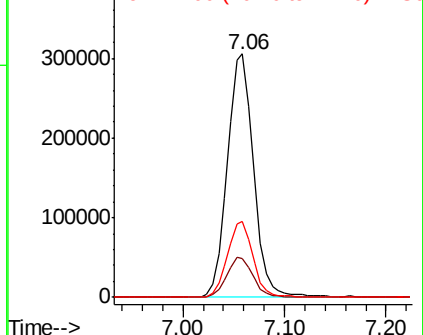
99 100

42 16.1 13.8 20.6

71 31.1 25.5 38.3



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: 16.957 ng

RT: 9.04 min Scan# 1013

Delta R.T. 0.33 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

Tgt Ion: 70 Resp: 54881

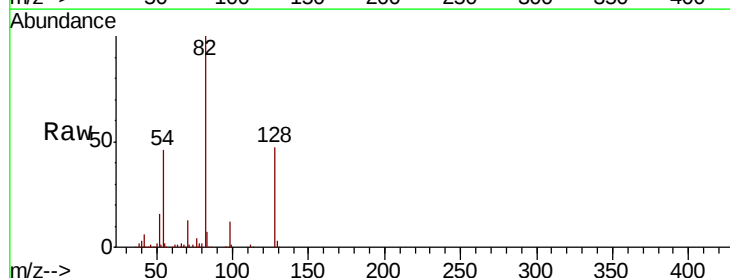
Ion Ratio Lower Upper

70 100

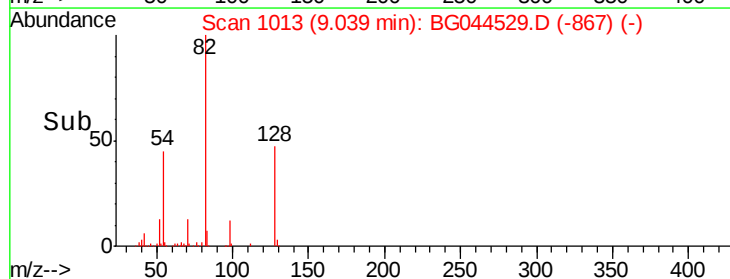
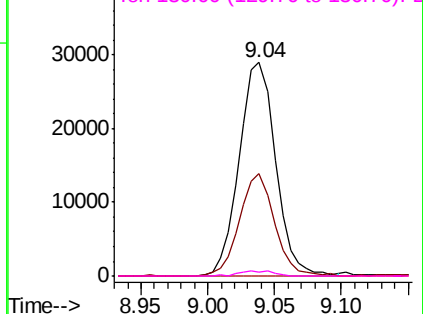
42 48.1 46.2 69.2

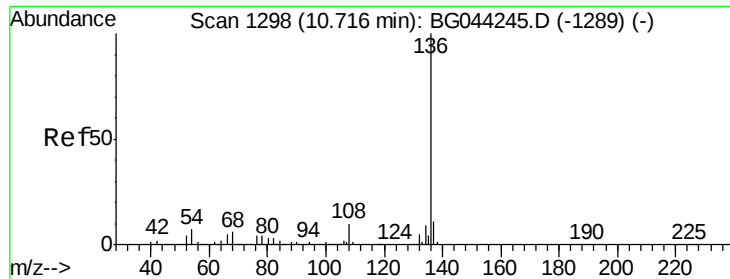
101 0.0 8.4 12.6#

130 2.1 17.8 26.8#



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

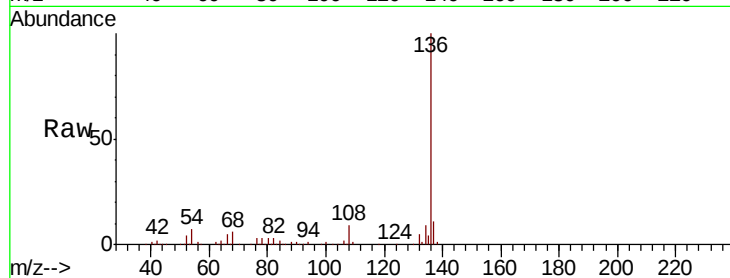




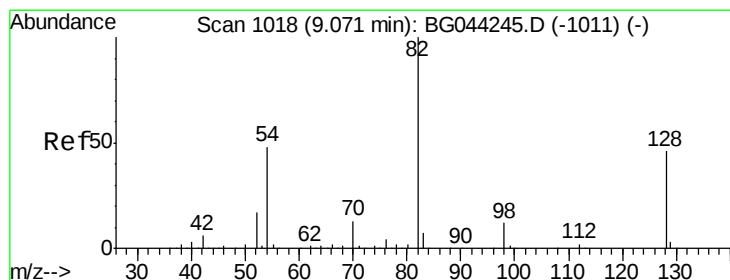
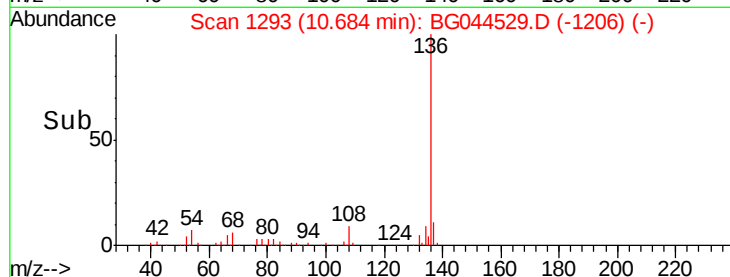
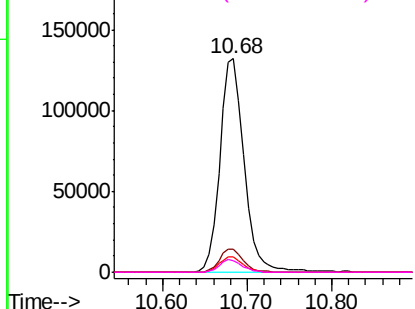
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1293
Delta R.T. -0.02 min
Lab File: BG044529.D
Acq: 20 Feb 2020 20:34

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	263433	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.8	13.2	
54 7.2	5.8	8.8	
68 5.6	4.6	6.8	

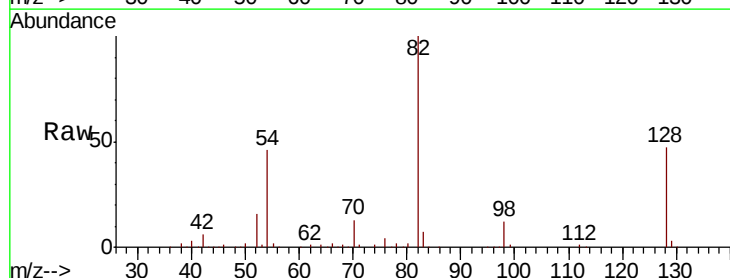


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

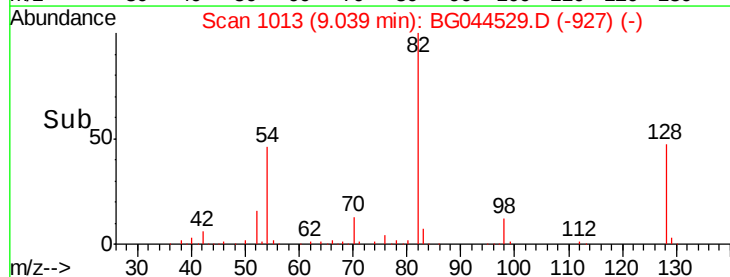
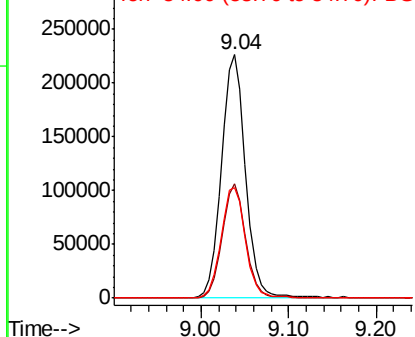


#23
Nitrobenzene-d5
Concen: 92.175 ng
RT: 9.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: BG044529.D
Acq: 20 Feb 2020 20:34

Tgt Ion: 82	Resp: 430101
Ion Ratio	Lower Upper
82 100	
128 46.8	36.5 54.7
54 45.6	38.6 58.0



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: 14.52 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

Instrument :

BNA_G

ClientSampled :

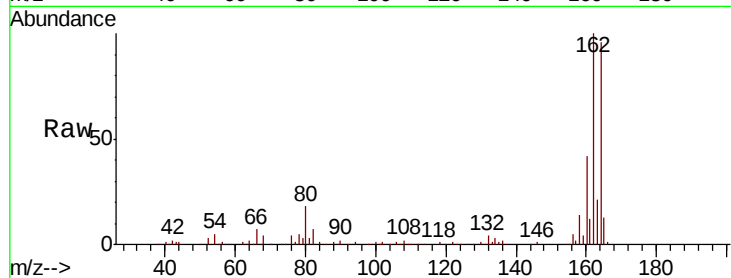
Tot Ion:164 Resp: 170469

Ion Ratio Lower Upper

164 100

162 103.9 80.7 121.1

160 44.1 35.3 52.9

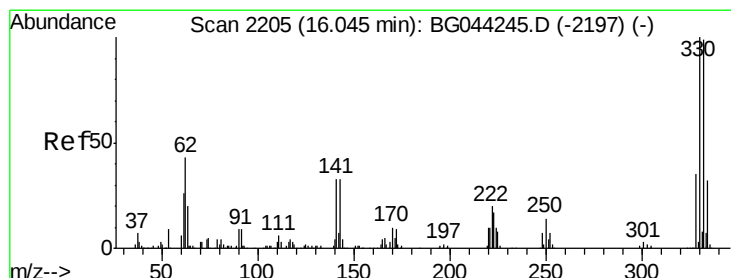
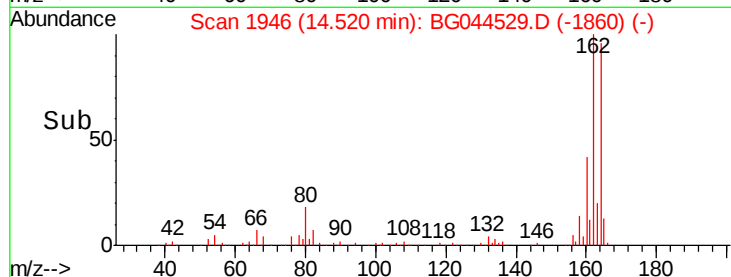
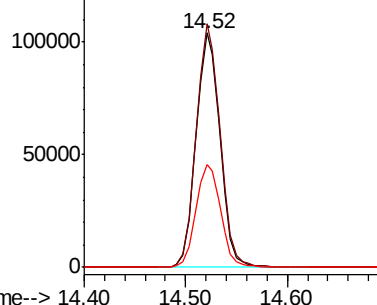


Abundance

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: 144.174 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

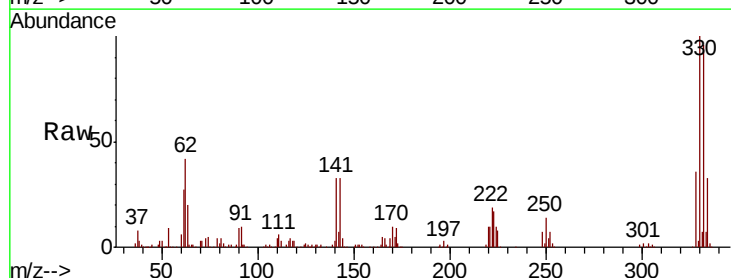
Tgt Ion:330 Resp: 288523

Ion Ratio Lower Upper

330 100

332 96.2 77.2 115.8

141 34.6 28.3 42.5

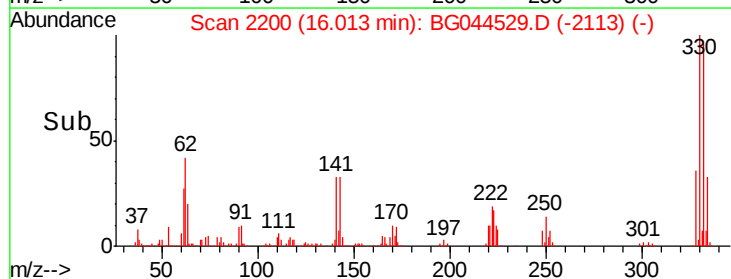
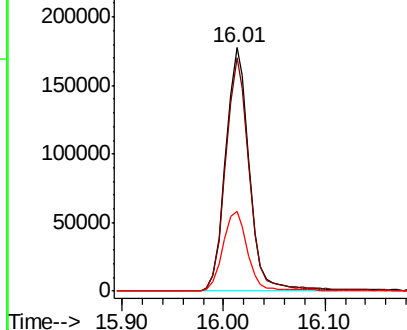


Abundance

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

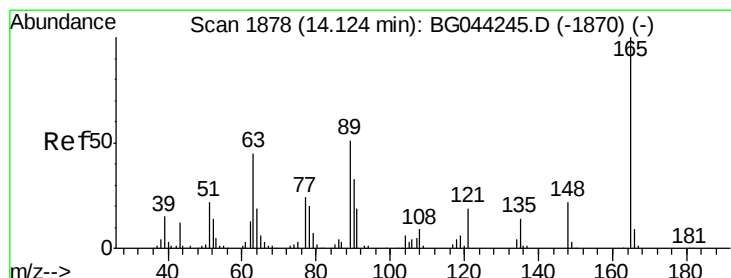
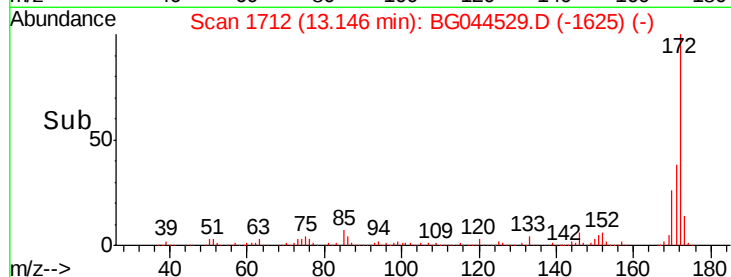
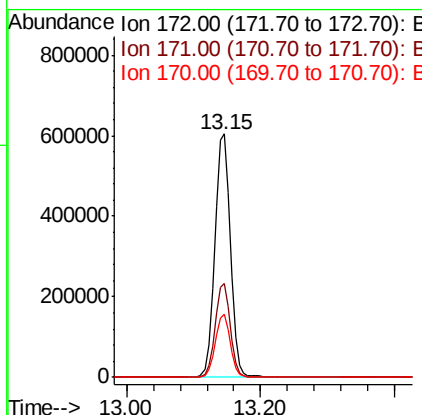
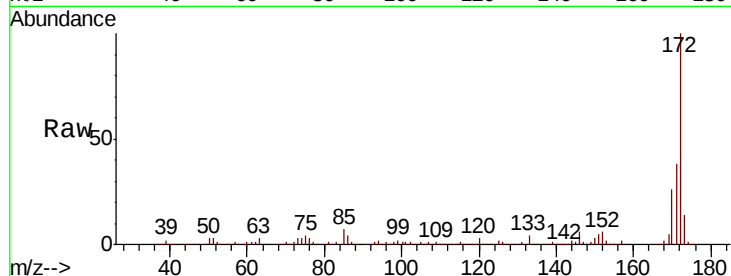




#45
 2-Fluorobiphenyl
 Concen: 98.174 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BG044529.D
 Acq: 20 Feb 2020 20:34

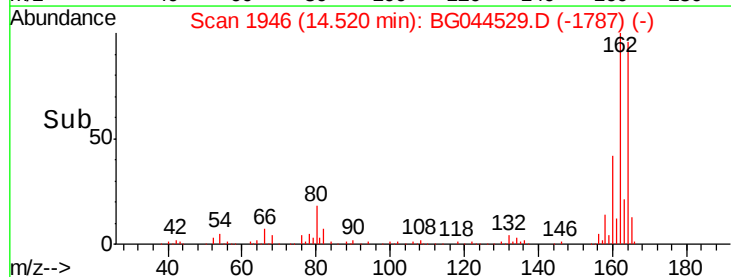
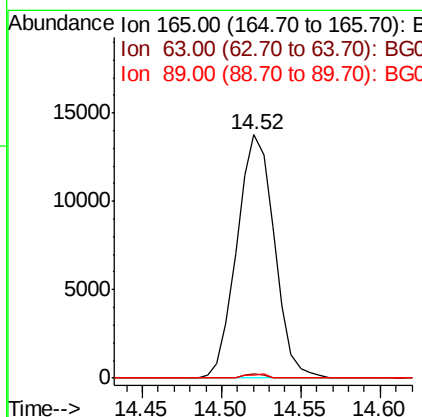
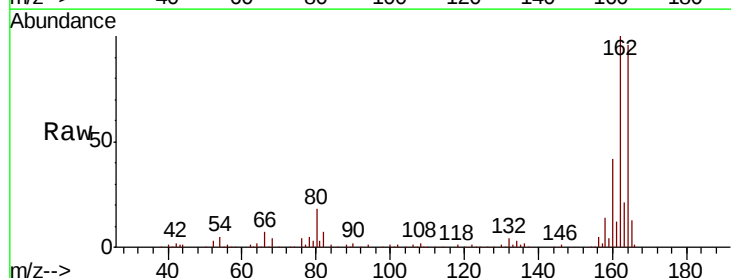
Instrument :
 BNA_G
 ClientSampleId :

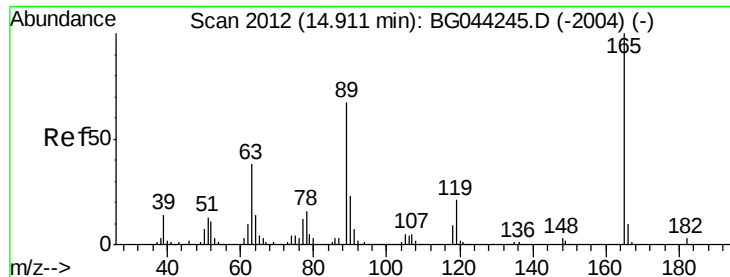
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.3	32.9	49.3
170	25.8	22.0	33.0



#51
 2,6-Dinitrotoluene
 Concen: 8.255 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. 0.40 min
 Lab File: BG044529.D
 Acq: 20 Feb 2020 20:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	38.7	58.1#
89	1.3	40.4	60.6#





#57

2,4-Dinitrotoluene

Concen: 5.890 ng

RT: 14.52 min Scan# 1946

Delta R.T. -0.38 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 22554

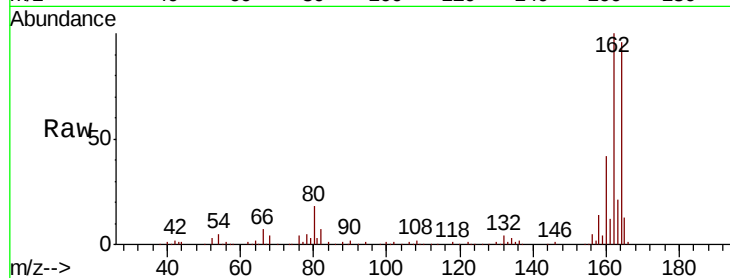
Ion Ratio Lower Upper

165 100

63 1.6 30.3 45.5#

89 1.3 53.4 80.2#

182 0.0 2.1 3.1#

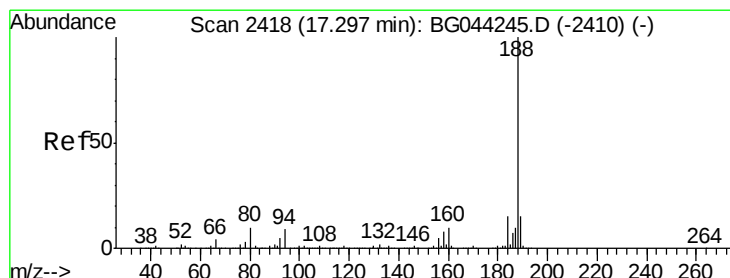
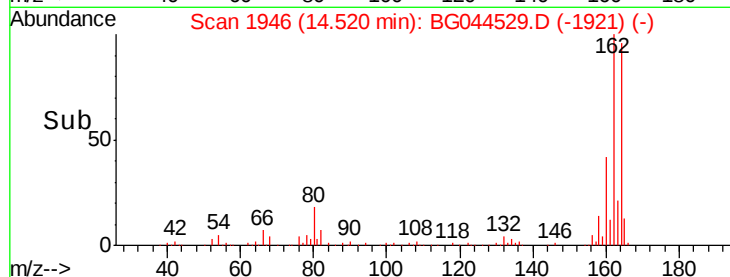
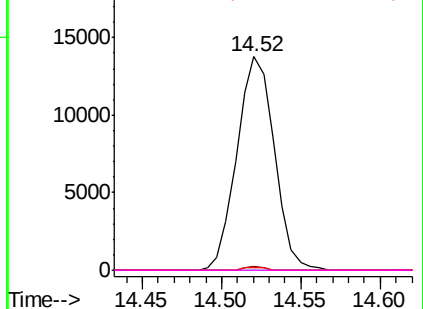


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.26 min Scan# 2413

Delta R.T. -0.02 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

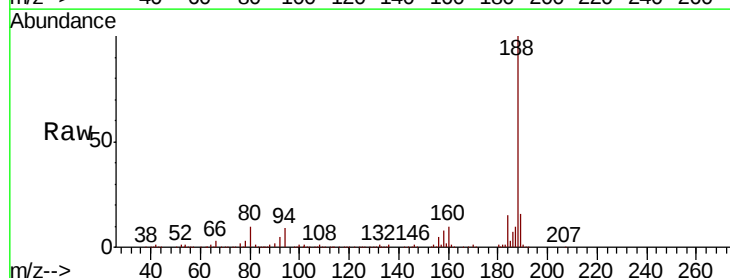
Tgt Ion:188 Resp: 383923

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.2

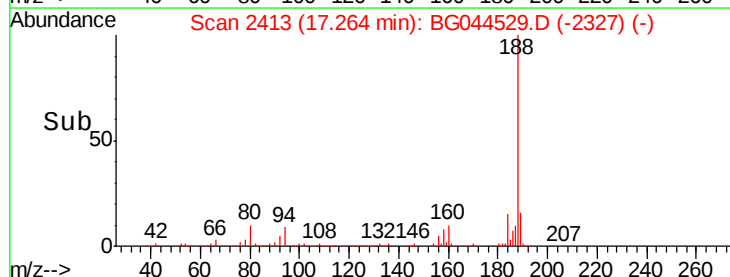
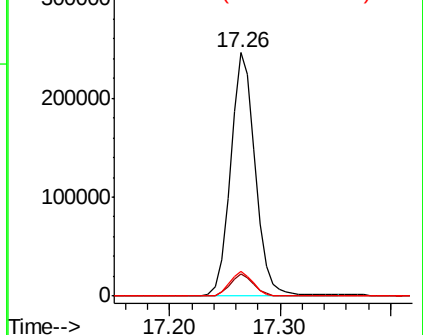
80 9.9 7.7 11.5

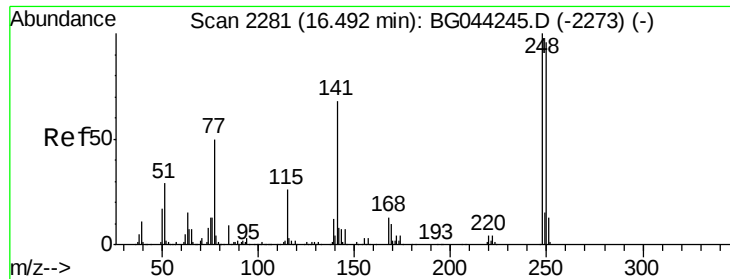


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

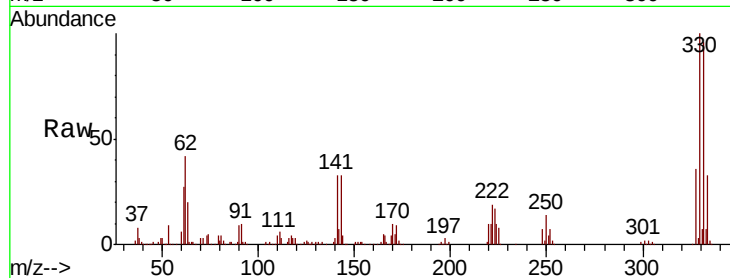




#67
 4-Bromophenyl-phenylether
 Concen: 4.709 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. -0.46 min
 Lab File: BG044529.D
 Acq: 20 Feb 2020 20:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.1	76.6	114.8#
141	471.2	54.7	82.1#

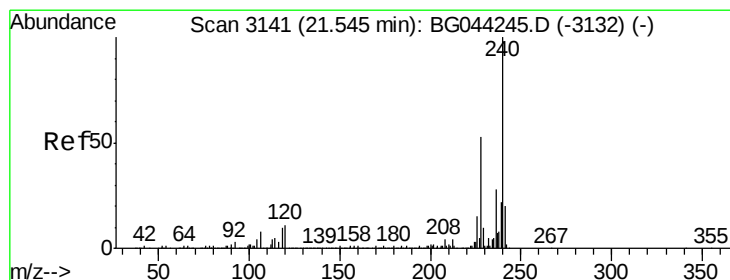
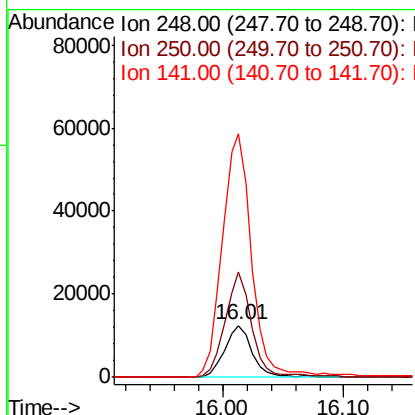
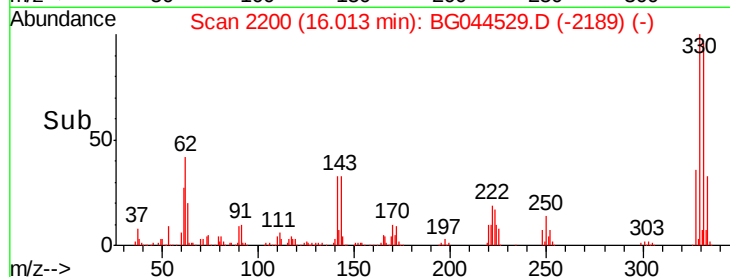


Abundance

Ion 248.00 (247.70 to 248.70): E

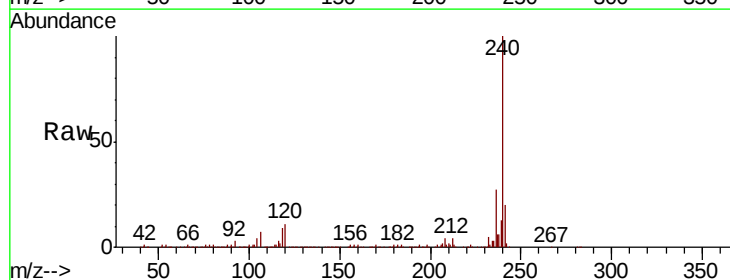
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3135
 Delta R.T. -0.03 min
 Lab File: BG044529.D
 Acq: 20 Feb 2020 20:34

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	26.8	22.1	33.1

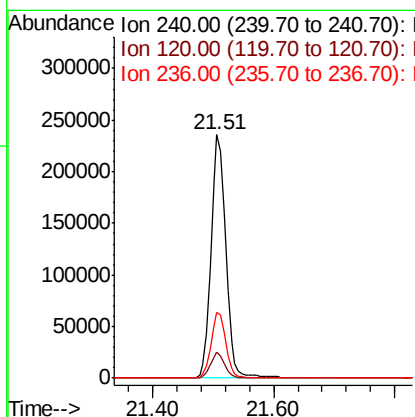
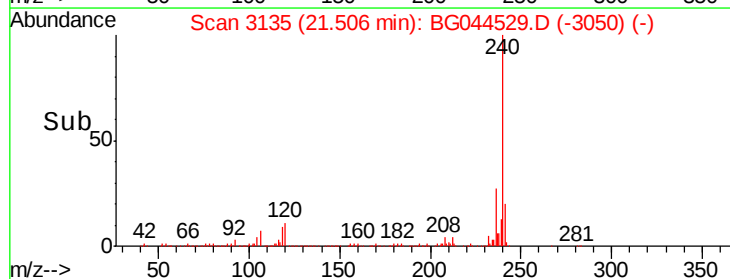


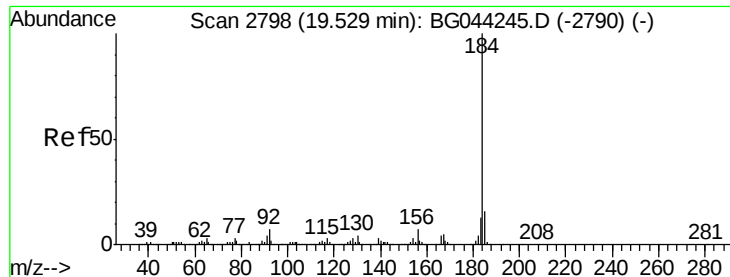
Abundance

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: 2.372 ng

RT: 19.88 min Scan# 2859

Delta R.T. 0.36 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

Instrument :

BNA_G

ClientSampled :

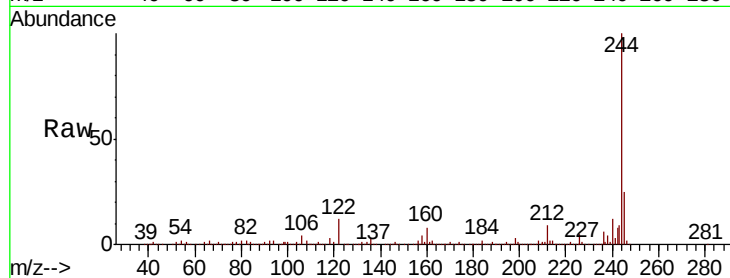
Tot Ion:184 Resp: 26485

Ion Ratio Lower Upper

184 100

185 16.0 12.9 19.3

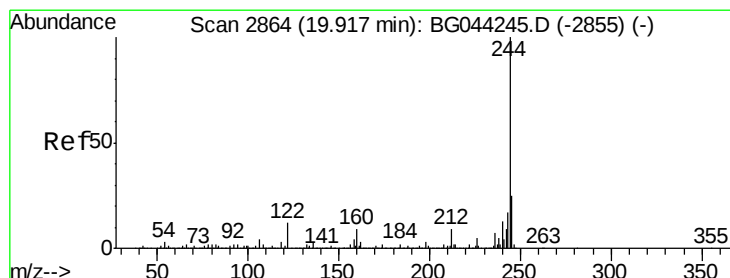
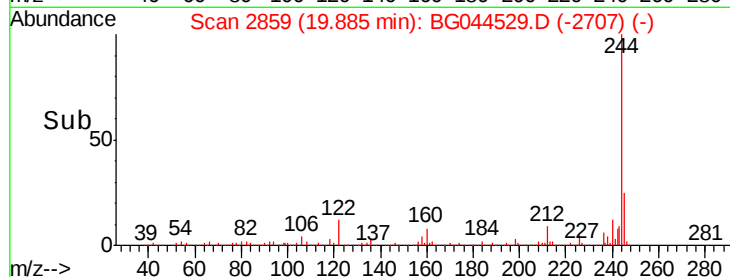
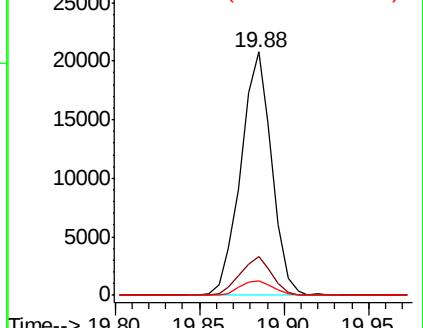
183 6.0 10.8 16.2#



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: 86.012 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BG044529.D

Acq: 20 Feb 2020 20:34

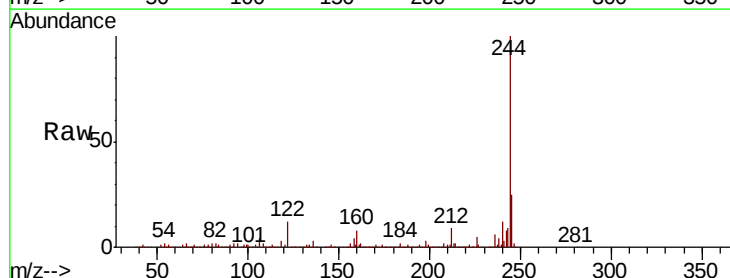
Tgt Ion:244 Resp: 1683105

Ion Ratio Lower Upper

244 100

212 8.7 7.4 11.2

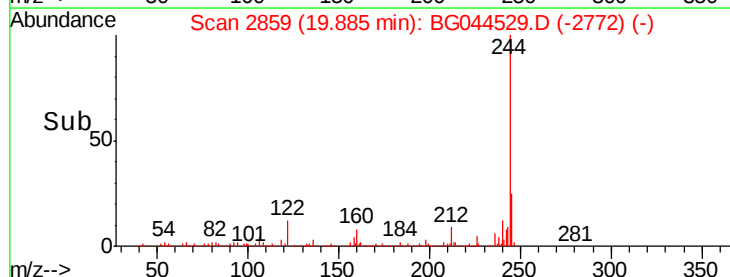
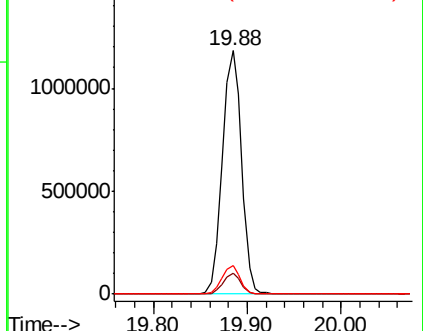
122 11.7 9.8 14.6

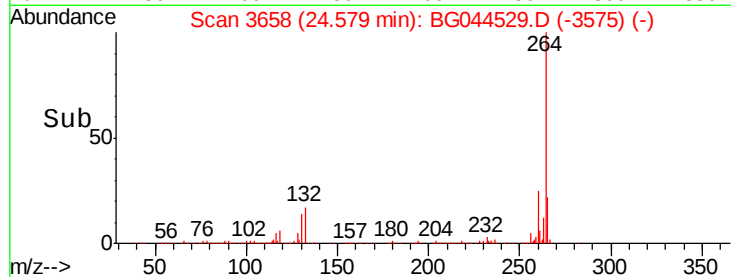
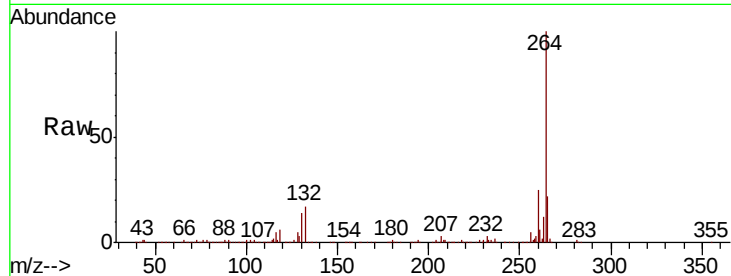
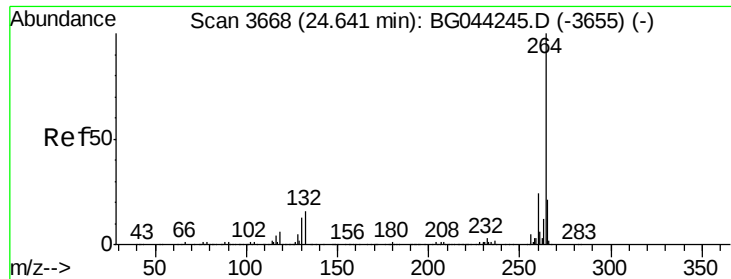


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.58 min Scan# 3658
 Delta R.T. -0.04 min
 Lab File: BG044529.D
 Acq: 20 Feb 2020 20:34

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	264	Resp:	423059
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	22.0	16.7	25.1

