

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022020\
 Data File : BG044530.D
 Acq On : 20 Feb 2020 21:13
 Operator : CG/JU
 Sample : L1573-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 21 06:50:08 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

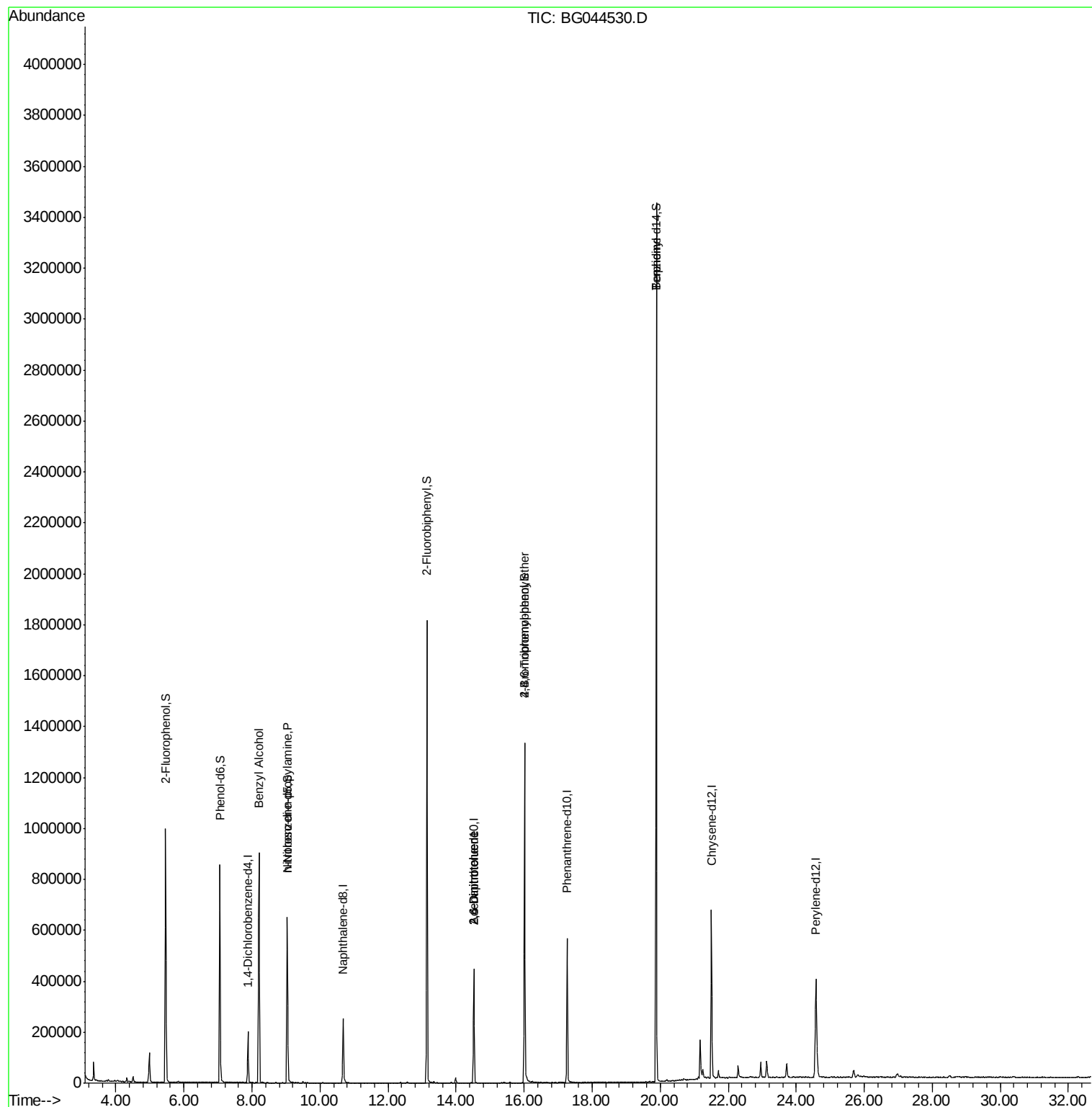
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	63442	20.00	ng	-0.02
21) Naphthalene-d8	10.68	136	253426	20.00	ng	-0.02
39) Acenaphthene-d10	14.52	164	164904	20.00	ng	-0.02
64) Phenanthrene-d10	17.27	188	374683	20.00	ng	-0.02
76) Chrysene-d12	21.51	240	390224	20.00	ng	-0.03
87) Perylene-d12	24.57	264	410431	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	496187	138.03	ng	-0.02
7) Phenol-d6	7.05	99	576571	119.44	ng	-0.02
23) Nitrobenzene-d5	9.03	82	439415	97.89	ng	-0.03
42) 2,4,6-Tribromophenol	16.01	330	291904	150.79	ng	-0.02
45) 2-Fluorobiphenyl	13.14	172	1009811	102.54	ng	-0.02
79) Terphenyl-d14	19.89	244	1719427	90.63	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	8.21	79	7117	2.082	ng	# 49
19) n-Nitroso-di-n-propylamine	9.04	70	56783	17.650	ng	# 75
51) 2,6-Dinitrotoluene	14.52	165	21149	8.002	ng	# 30
57) 2,4-Dinitrotoluene	14.52	165	21149	5.709	ng	# 28
67) 4-Bromophenyl-phenylether	16.01	248	19574	4.795	ng	# 1
77) Benzidine	19.89	184	27620	2.552	ng	# 92

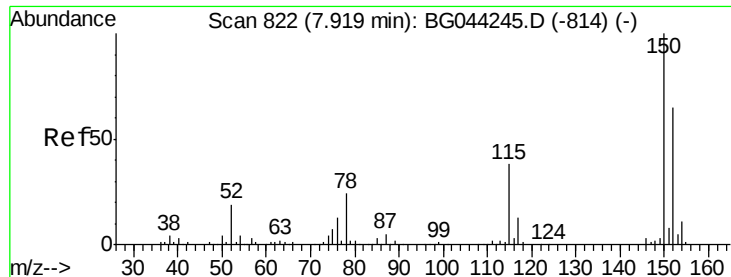
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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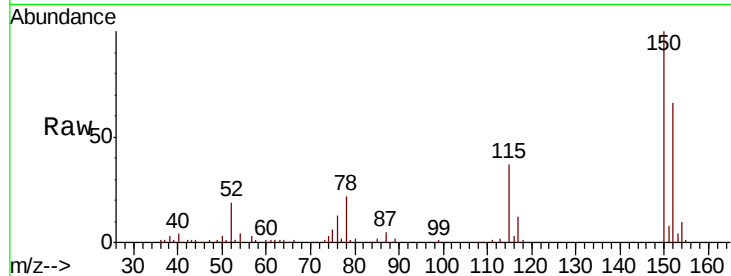


#1

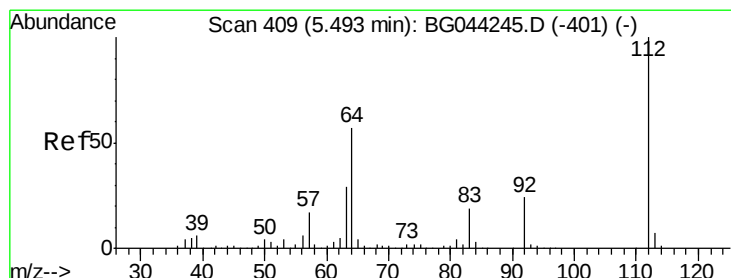
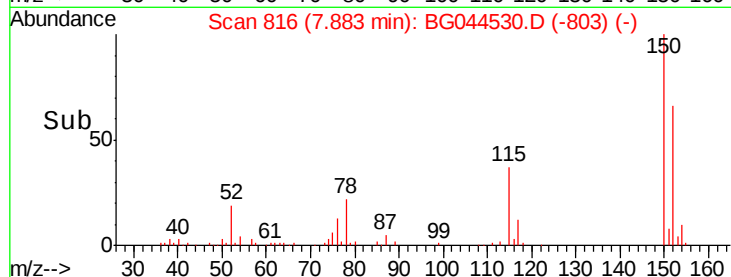
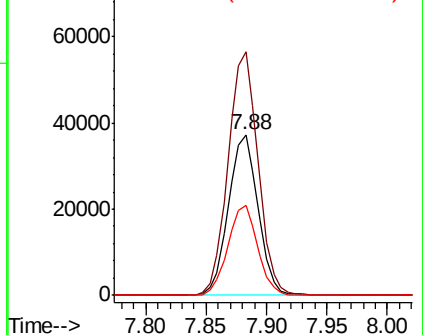
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.88 min Scan# 816
Delta R.T. -0.02 min
Lab File: BG044530.D
Acq: 20 Feb 2020 21:13

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 63442
Ion Ratio Lower Upper
152 100
150 151.7 122.6 183.8
115 56.2 46.0 69.0



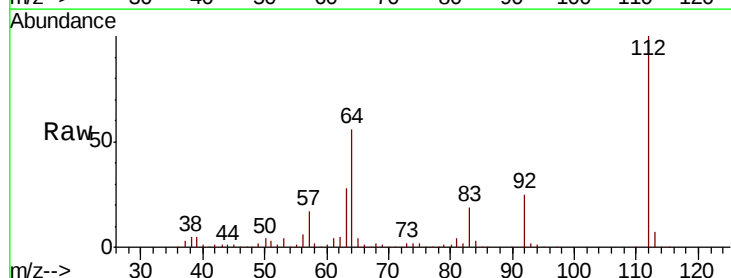
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



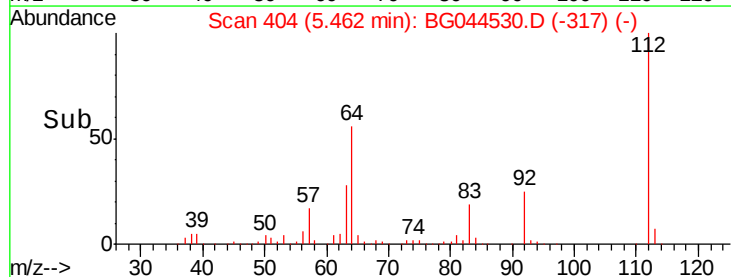
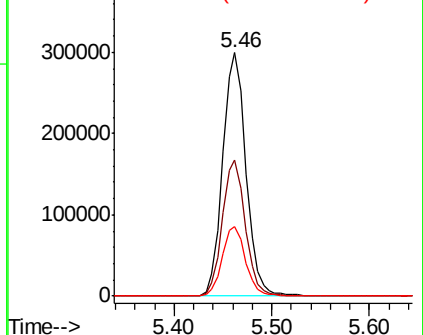
#5

2-Fluorophenol
Concen: 138.030 ng
RT: 5.46 min Scan# 404
Delta R.T. -0.02 min
Lab File: BG044530.D
Acq: 20 Feb 2020 21:13

Tgt Ion:112 Resp: 496187
Ion Ratio Lower Upper
112 100
64 55.7 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: 119.441 ng

RT: 7.05 min Scan# 675

Delta R.T. -0.02 min

Lab File: BG044530.D

Acq: 20 Feb 2020 21:13

Instrument :

BNA_G

ClientSampleId :

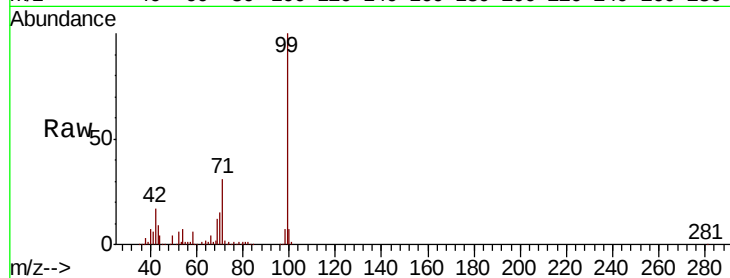
Tot Ion: 99 Resp: 576571

Ion Ratio Lower Upper

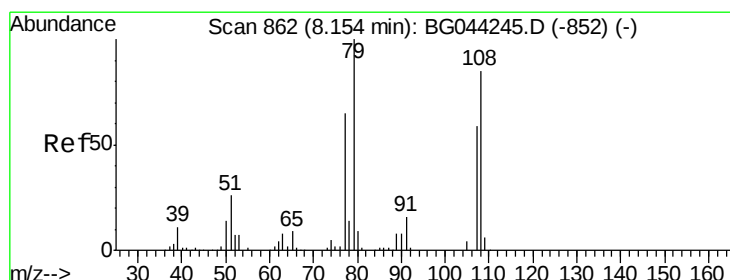
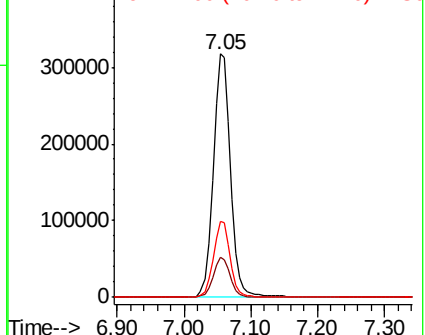
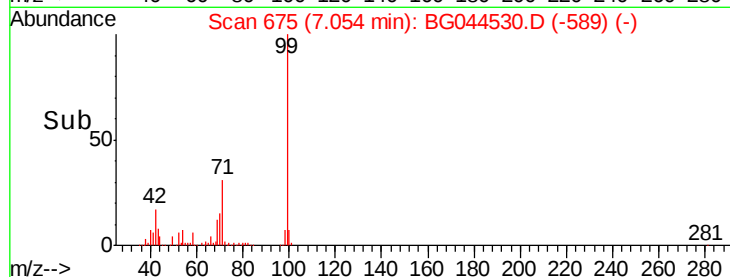
99 100

42 16.7 13.8 20.6

71 31.0 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



#15

Benzyl Alcohol

Concen: 2.082 ng

RT: 8.21 min Scan# 871

Delta R.T. 0.07 min

Lab File: BG044530.D

Acq: 20 Feb 2020 21:13

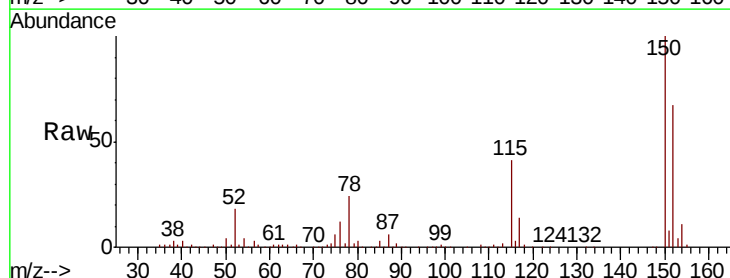
Tgt Ion: 79 Resp: 7117

Ion Ratio Lower Upper

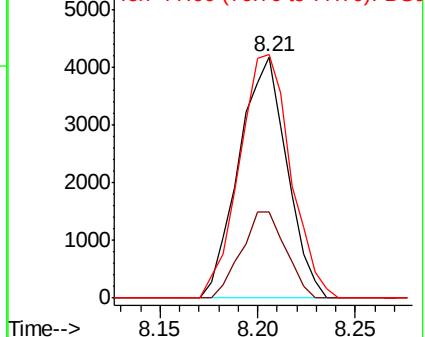
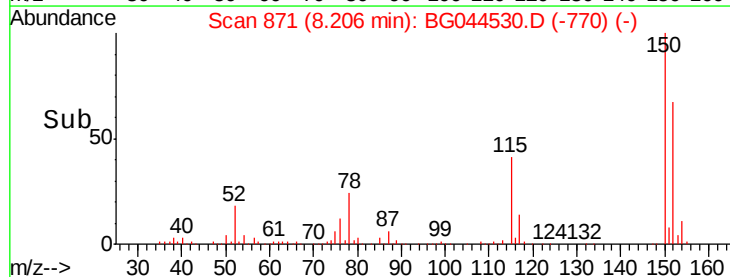
79 100

108 35.8 68.3 102.5#

77 100.8 51.8 77.8#



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

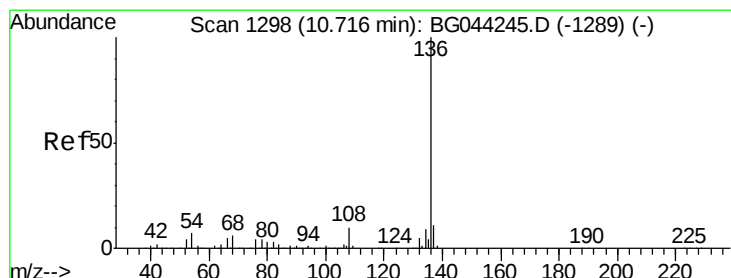
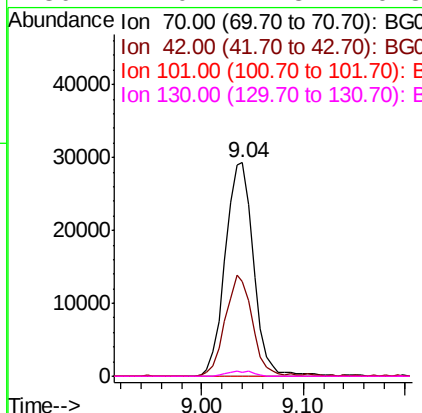
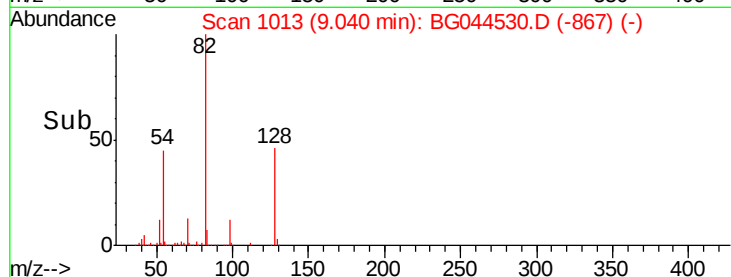
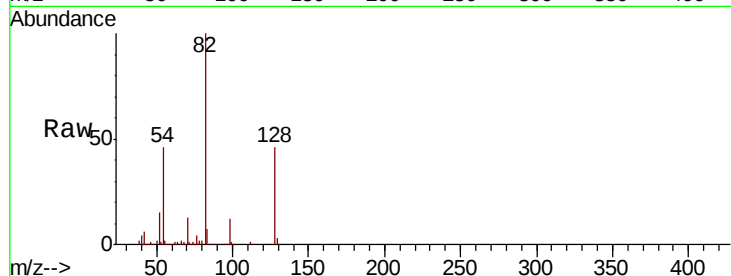




#19
n-Nitroso-di-n-propylamine
Concen: 17.650 ng
RT: 9.04 min Scan# 1013
Delta R.T. 0.33 min
Lab File: BG044530.D
Acq: 20 Feb 2020 21:13

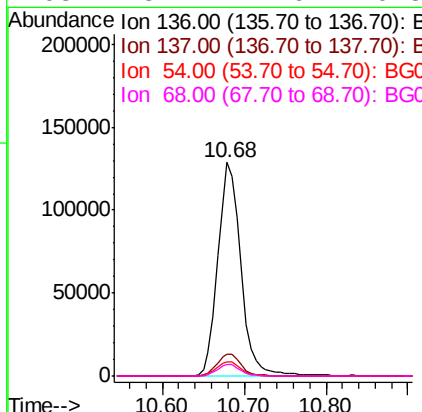
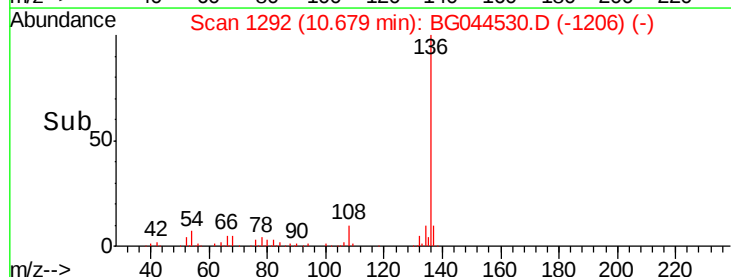
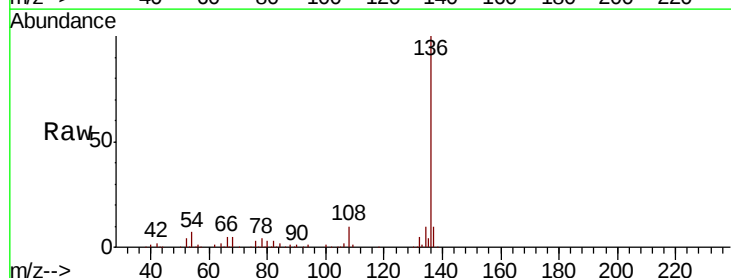
Instrument :
BNA_G
ClientSampleId :

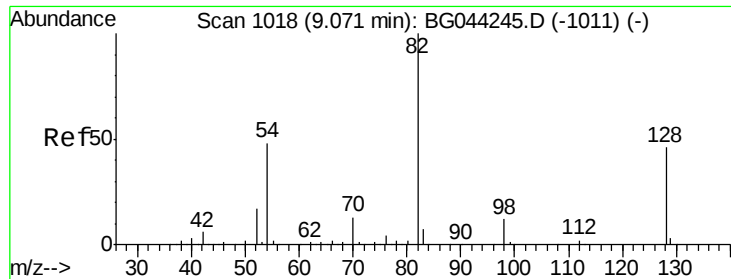
Tot Ion: 70 Resp: 56783
Ion Ratio Lower Upper
70 100
42 44.4 46.2 69.2#
101 0.0 8.4 12.6#
130 2.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BG044530.D
Acq: 20 Feb 2020 21:13

Tgt Ion: 136 Resp: 253426
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.9 5.8 8.8
68 5.4 4.6 6.8

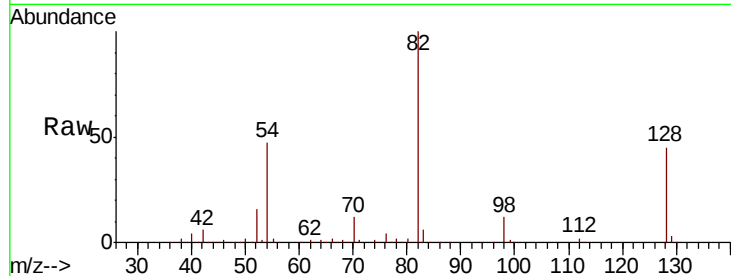




#23
 Nitrobenzene-d5
 Concen: 97.890 ng
 RT: 9.03 min Scan# 1012
 Delta R.T. -0.03 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	439415
Ion Ratio	100		
Lower	36.5		
Upper	54.7		
128	44.7		
54	46.9		
	38.6		
	58.0		

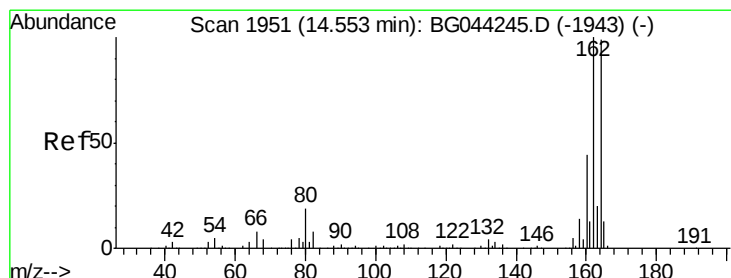
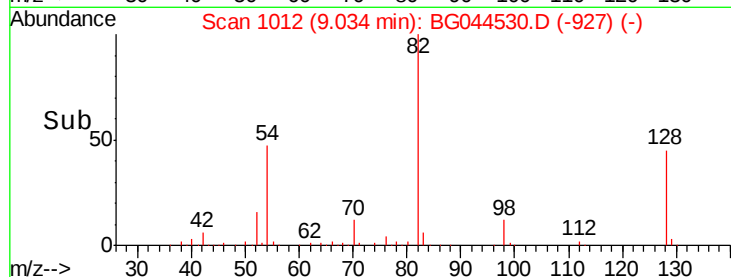
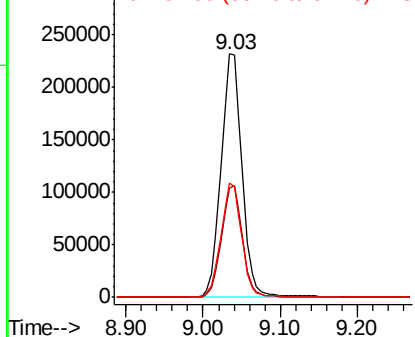


Abundance

Ion 82.00 (81.70 to 82.70): BGC

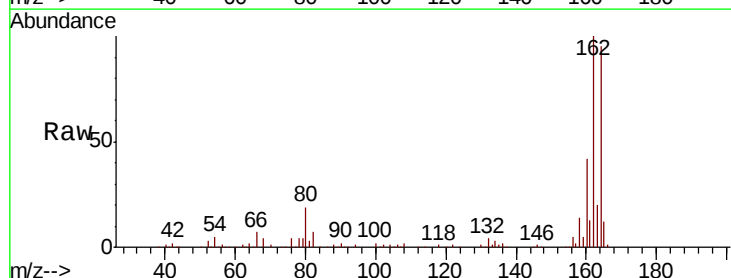
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. -0.02 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

Tgt Ion	164	Resp	164904
Ion Ratio	100		
Lower	80.7		
Upper	121.1		
162	104.9		
160	44.0		
	35.3		
	52.9		

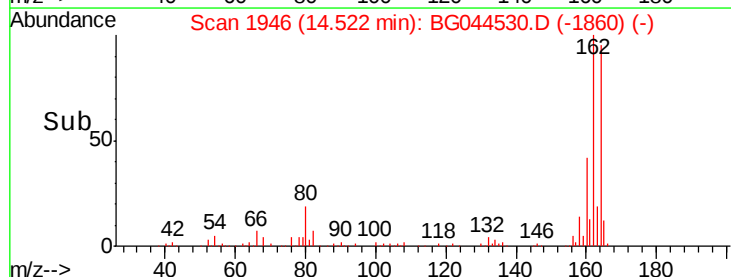
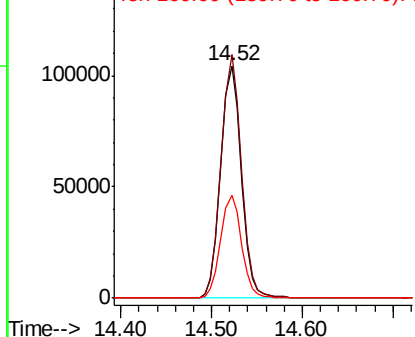


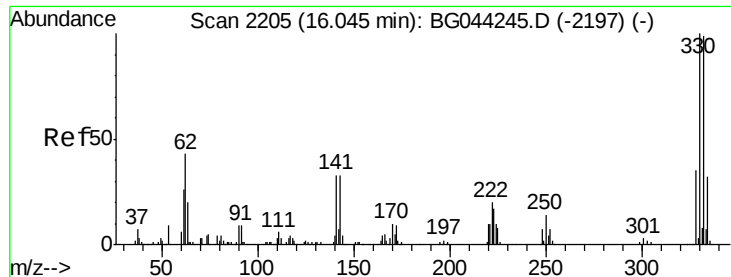
Abundance

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

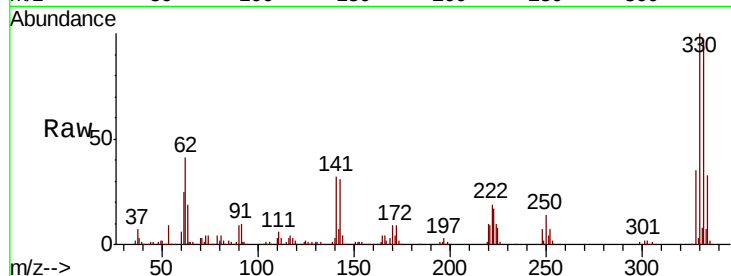




#42
 2,4,6-Tribromophenol
 Concen: 150.786 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. -0.02 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.2	115.8
141	34.7	28.3	42.5

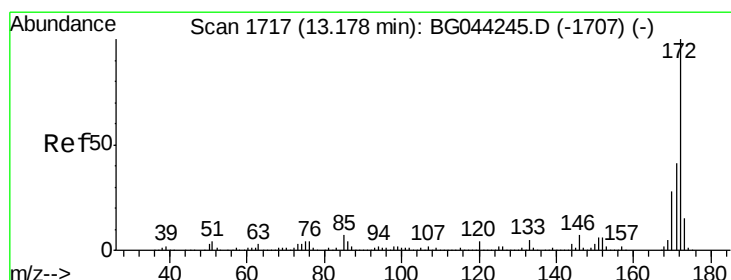
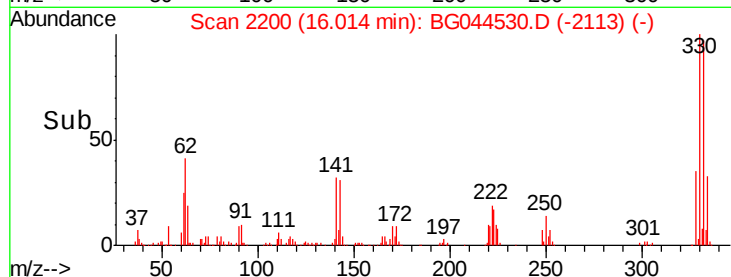
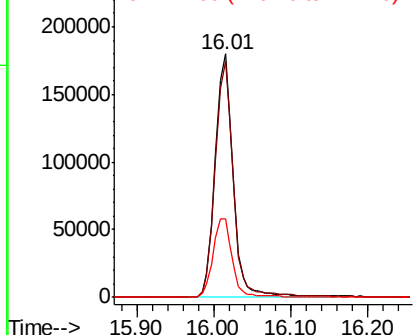


Abundance

Ion 329.80 (329.50 to 330.50): E

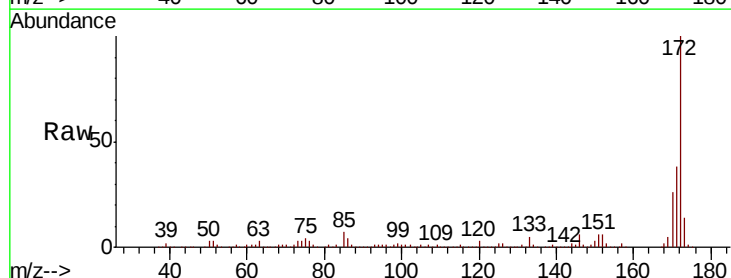
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 102.543 ng
 RT: 13.14 min Scan# 1711
 Delta R.T. -0.02 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	32.9	49.3
170	25.6	22.0	33.0

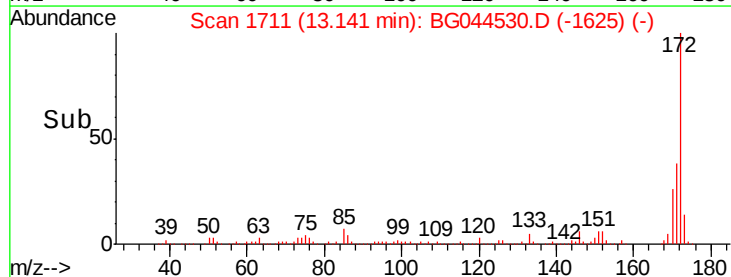
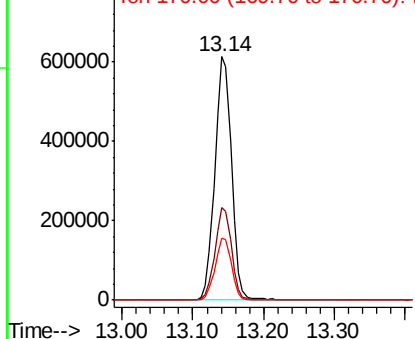


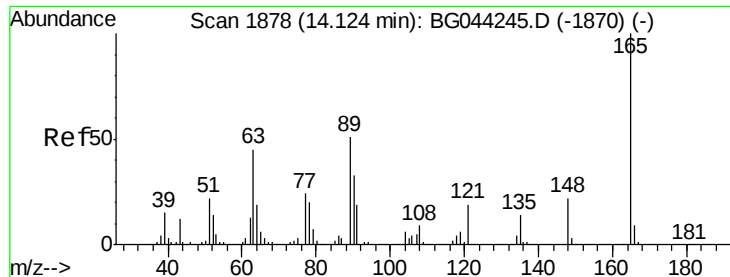
Abundance

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

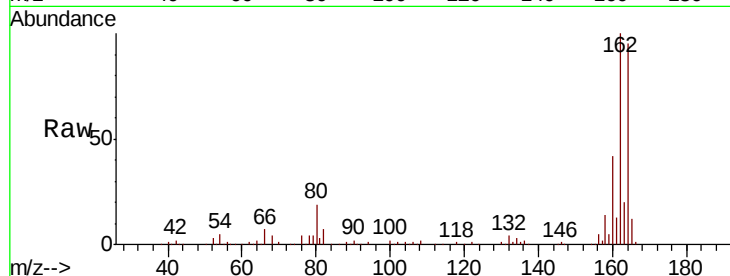




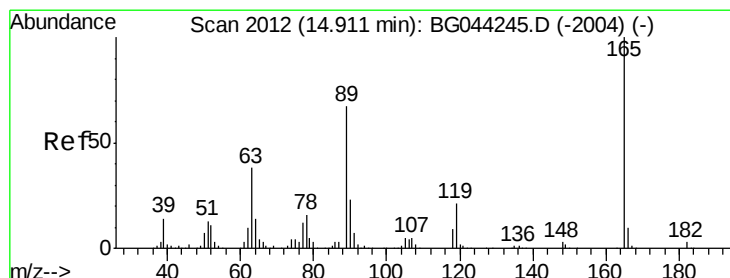
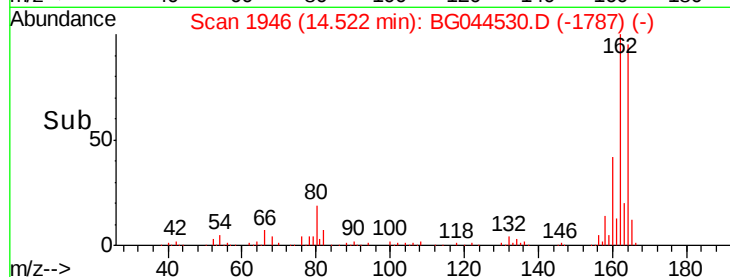
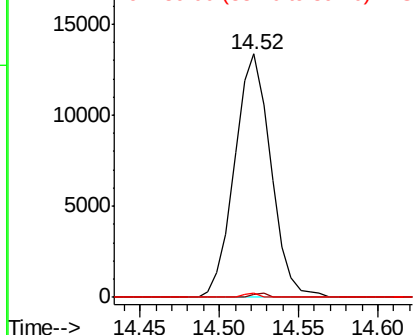
#51
 2,6-Dinitrotoluene
 Concen: 8.002 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. 0.41 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 21149
 Ion Ratio Lower Upper
 165 100
 63 1.4 38.7 58.1#
 89 1.5 40.4 60.6#

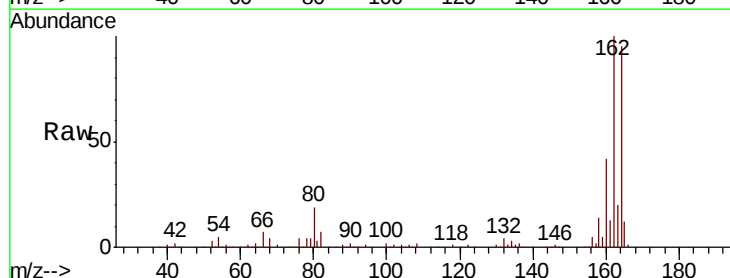


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

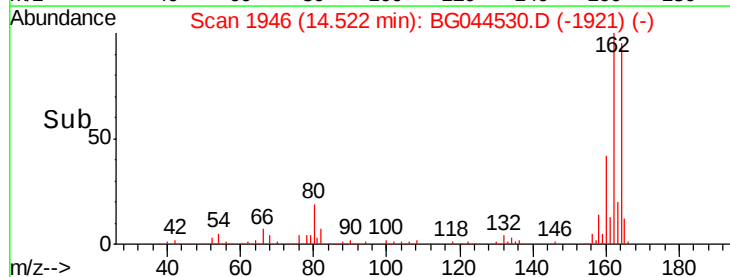
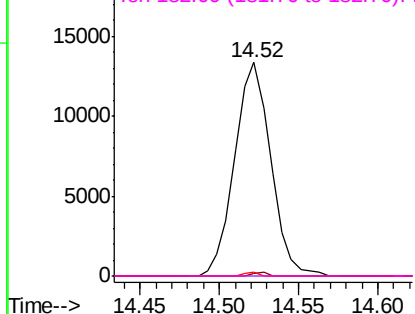


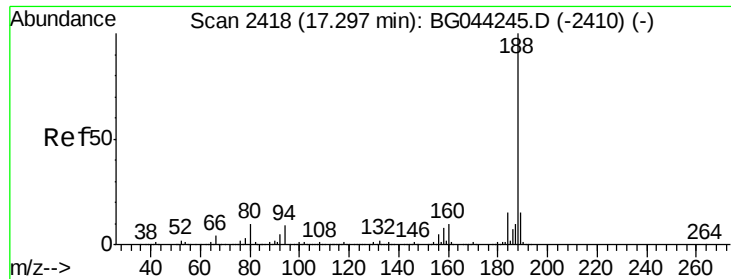
#57
 2,4-Dinitrotoluene
 Concen: 5.709 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. -0.38 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

Tgt Ion:165 Resp: 21149
 Ion Ratio Lower Upper
 165 100
 63 1.4 30.3 45.5#
 89 1.5 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: 17.27 min Scan# 2413

Delta R.T. -0.02 min

Lab File: BG044530.D

Acq: 20 Feb 2020 21:13

Instrument :

BNA_G

ClientSampleId :

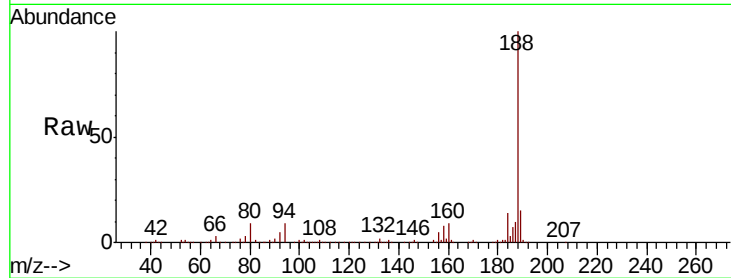
Tot Ion:188 Resp: 374683

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

80 8.9 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

300000

250000

200000

150000

100000

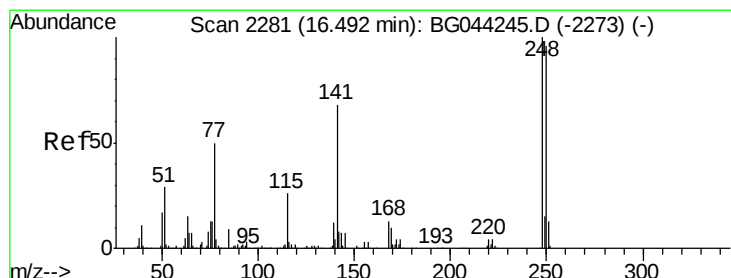
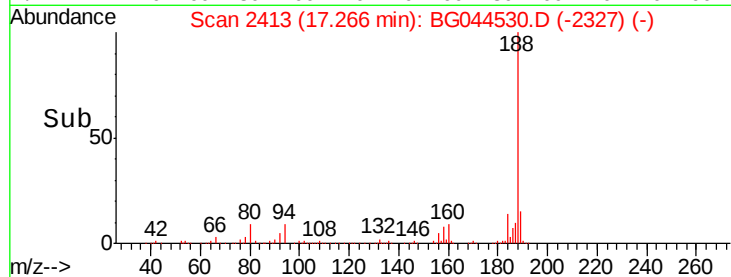
50000

0

17.20

17.30

Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.795 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.46 min

Lab File: BG044530.D

Acq: 20 Feb 2020 21:13

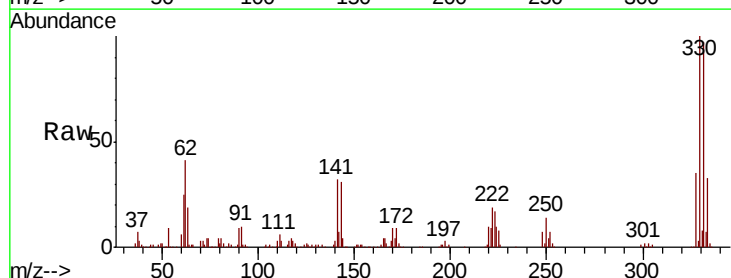
Tgt Ion:248 Resp: 19574

Ion Ratio Lower Upper

248 100

250 202.1 76.6 114.8#

141 475.1 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

80000

60000

40000

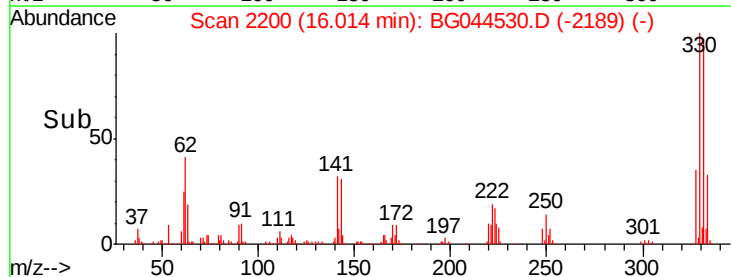
20000

0

16.00

16.10

Time-->

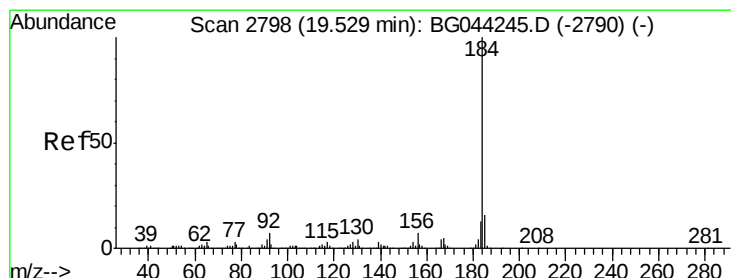
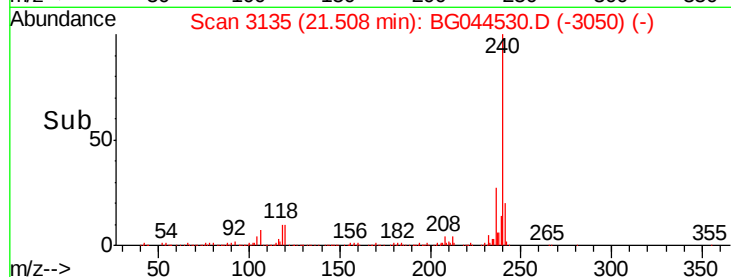
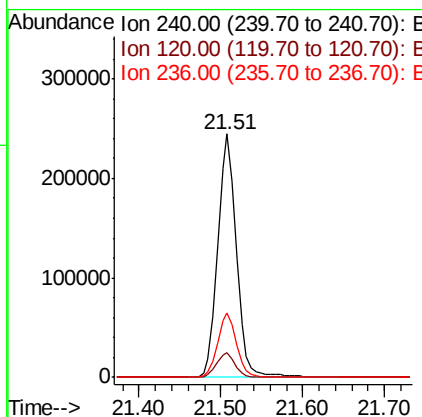
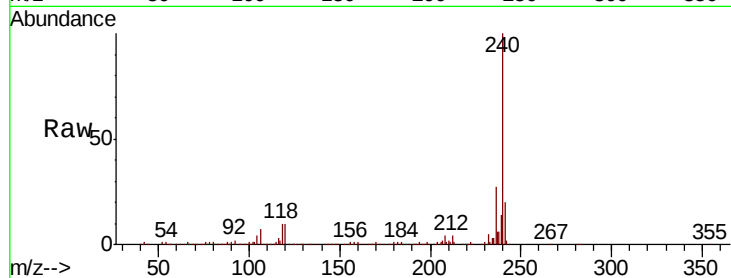




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.51 min Scan# 3135
 Delta R.T. -0.03 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

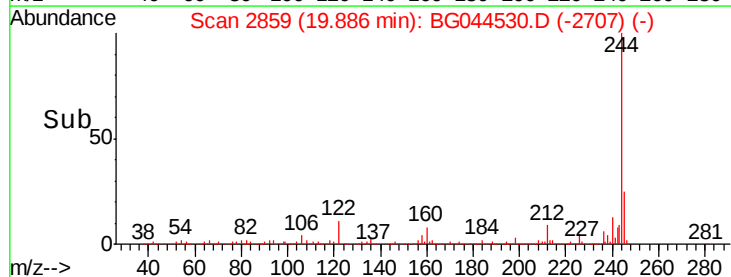
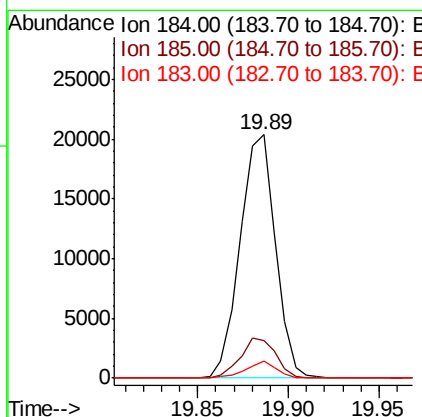
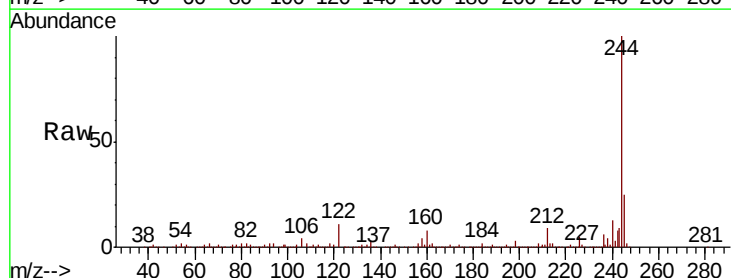
Instrument :
 BNA_G
 ClientSampleId :

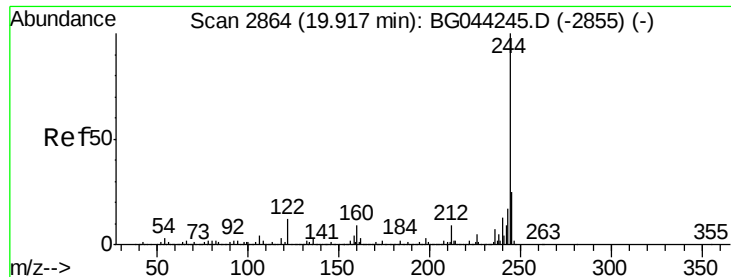
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.4	12.6
236	26.6	22.1	33.1



#77
 Benzidine
 Concen: 2.552 ng
 RT: 19.89 min Scan# 2859
 Delta R.T. 0.36 min
 Lab File: BG044530.D
 Acq: 20 Feb 2020 21:13

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.9	19.3
183	6.9	10.8	16.2#





#79

Terphenyl-d14

Concen: 90.631 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.02 min

Lab File: BG044530.D

Acq: 20 Feb 2020 21:13

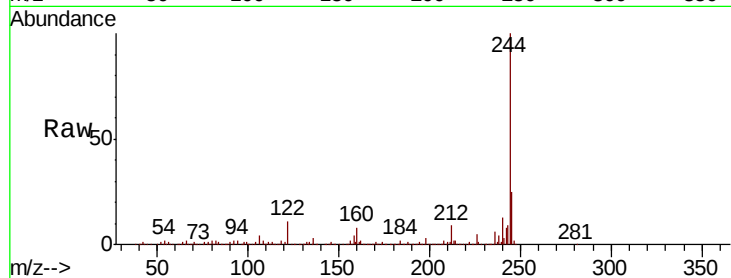
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1719427

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.4	11.2
122	11.3	9.8	14.6

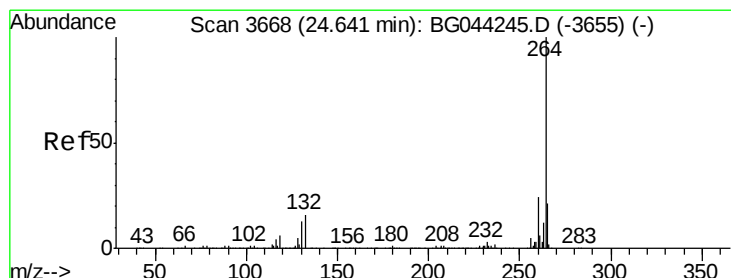
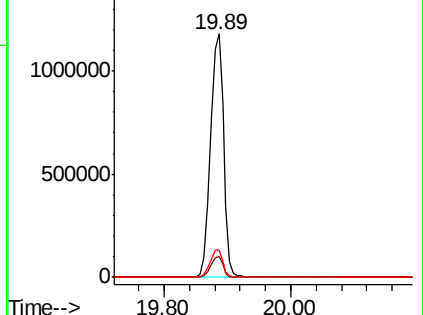
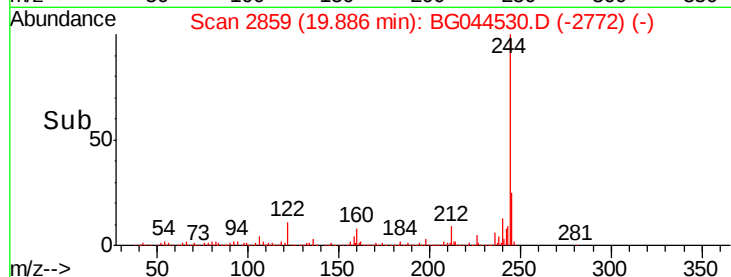


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.57 min Scan# 3657

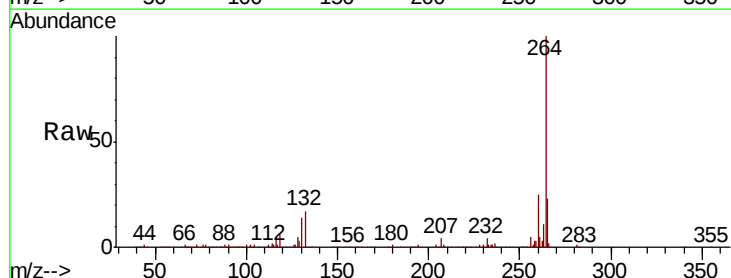
Delta R.T. -0.05 min

Lab File: BG044530.D

Acq: 20 Feb 2020 21:13

Tgt Ion:264 Resp: 410431

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.6	16.7	25.1



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

