

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020320\
 Data File : BG044275.D
 Acq On : 3 Feb 2020 16:43
 Operator : CG/JU
 Sample : L1345-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 04 00:29:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

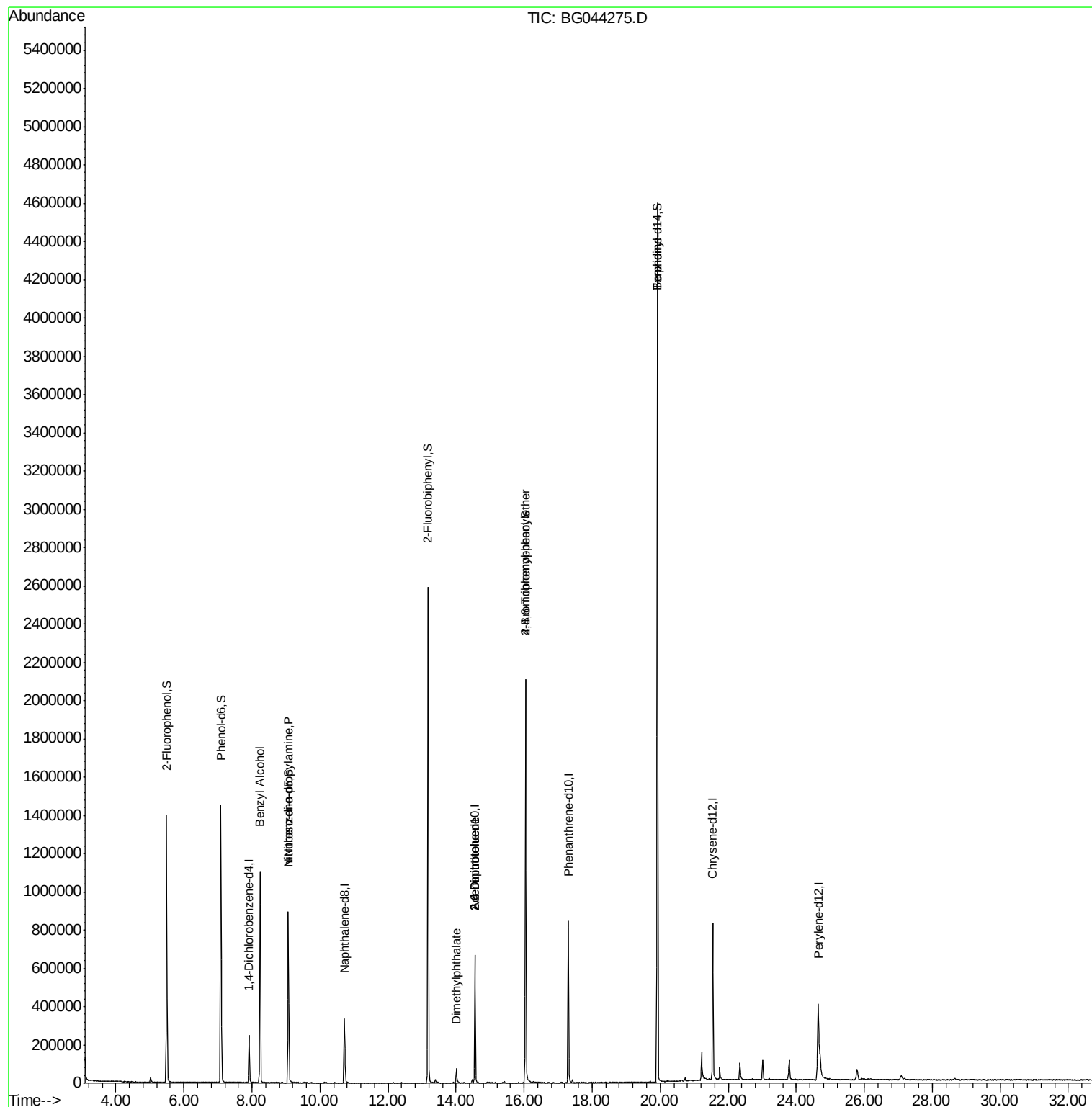
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	73424	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	328837	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	243328	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	542758	20.00	ng	0.00
76) Chrysene-d12	21.54	240	482565	20.00	ng	0.00
87) Perylene-d12	24.64	264	534711	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	678499	163.09	ng	0.00
7) Phenol-d6	7.09	99	946029	169.33	ng	0.00
23) Nitrobenzene-d5	9.07	82	587382	100.84	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	423848	148.38	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1386911	95.45	ng	0.00
79) Terphenyl-d14	19.92	244	2142984	91.34	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.23	79	8418	2.128	ng	# 43
19) n-Nitroso-di-n-propylamine	9.07	70	75825	20.365	ng	# 76
50) Dimethylphthalate	14.01	163	61514	3.517	ng	# 98
51) 2,6-Dinitrotoluene	14.56	165	31787	8.151	ng	# 30
57) 2,4-Dinitrotoluene	14.56	165	31787	5.815	ng	# 28
67) 4-Bromophenyl-phenylether	16.04	248	29294	4.954	ng	# 1
77) Benzidine	19.92	184	36141	2.700	ng	# 91

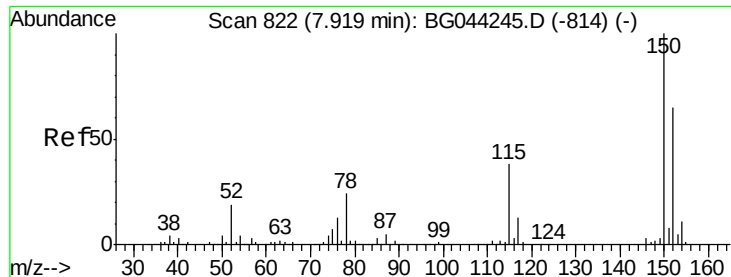
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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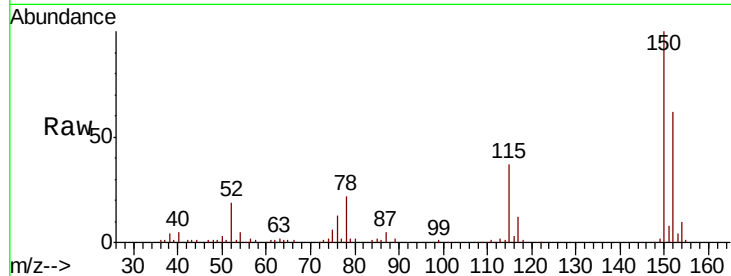


#1

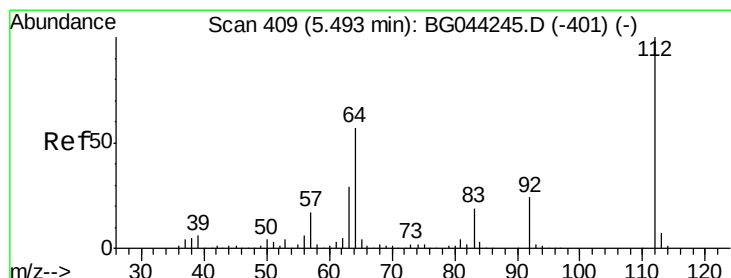
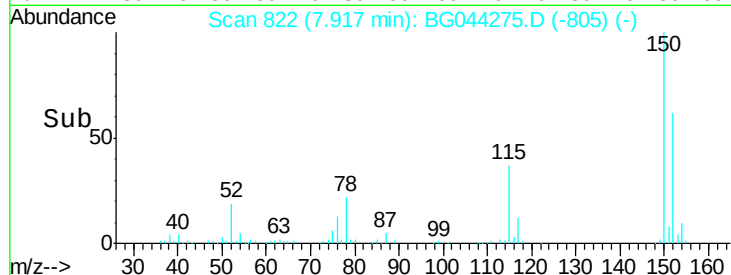
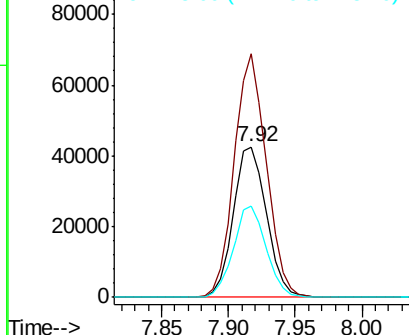
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.00 min
Lab File: BG044275.D
Acq: 3 Feb 2020 16:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 73424
Ion Ratio Lower Upper
152 100
150 161.7 122.6 183.8
115 60.5 46.0 69.0



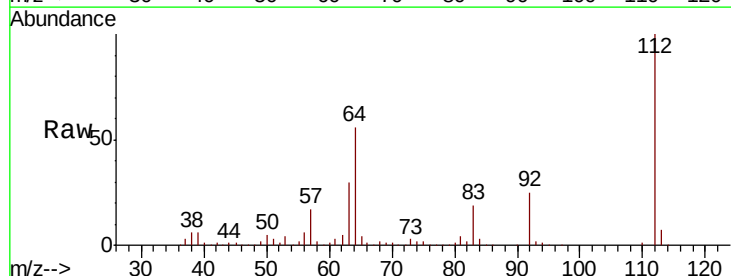
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



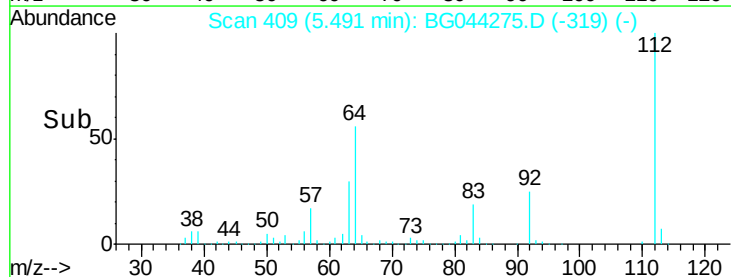
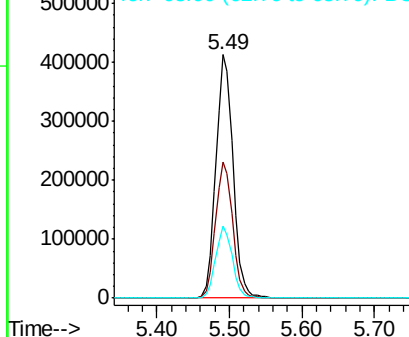
#5

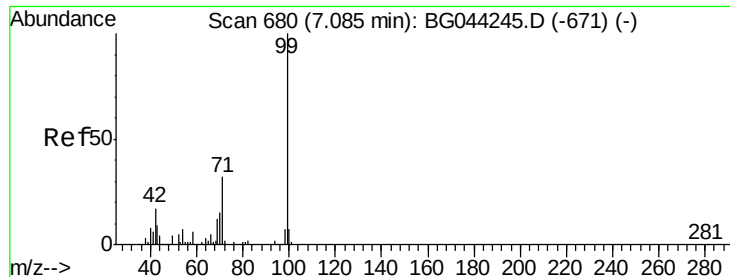
2-Fluorophenol
Concen: 163.086 ng
RT: 5.49 min Scan# 409
Delta R.T. -0.00 min
Lab File: BG044275.D
Acq: 3 Feb 2020 16:43

Tgt Ion:112 Resp: 678499
Ion Ratio Lower Upper
112 100
64 55.9 45.4 68.2
63 29.8 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 169.334 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.00 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

Instrument :

BNA_G

ClientSampleId :

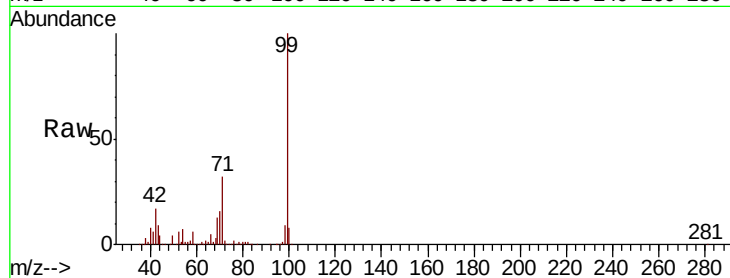
Tot Ion: 99 Resp: 946029

Ion Ratio Lower Upper

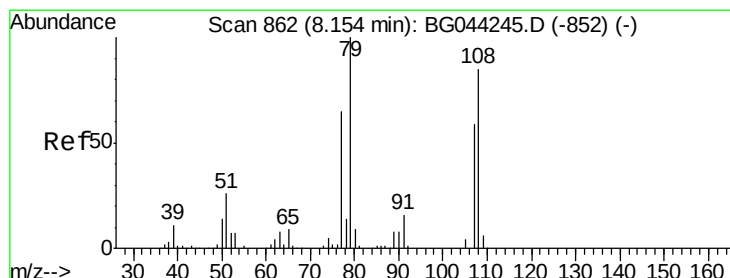
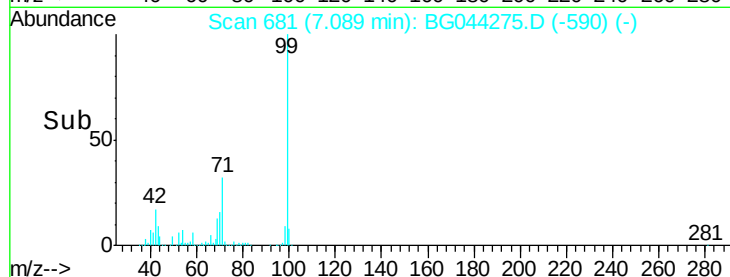
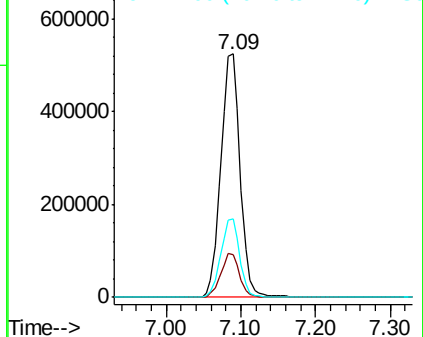
99 100

42 17.5 13.8 20.6

71 32.0 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: 2.128 ng

RT: 8.23 min Scan# 876

Delta R.T. 0.08 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

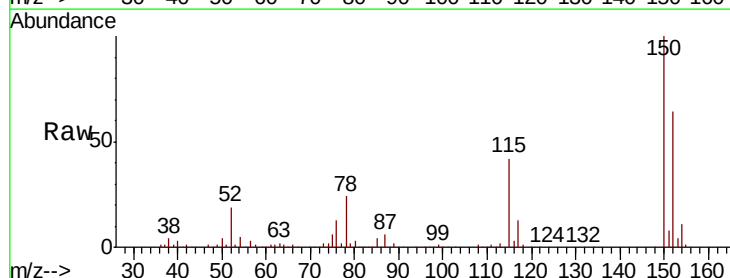
Tgt Ion: 79 Resp: 8418

Ion Ratio Lower Upper

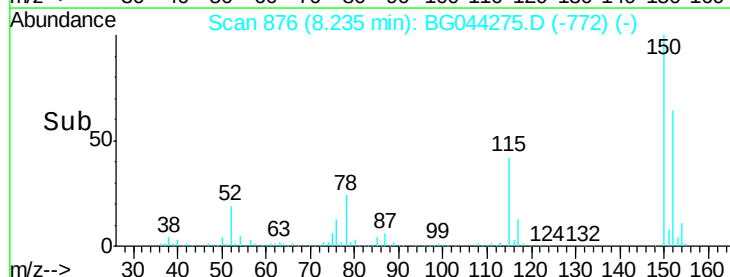
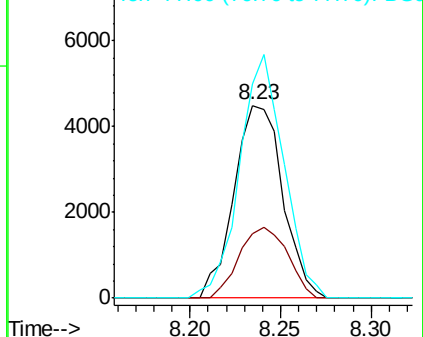
79 100

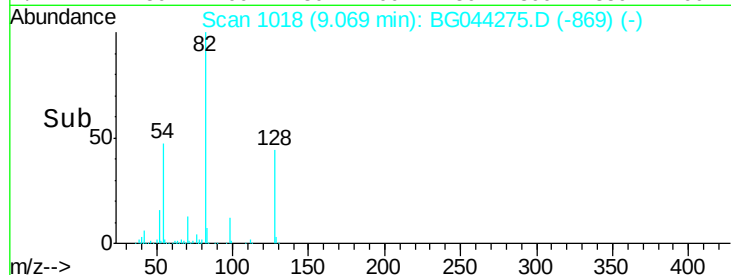
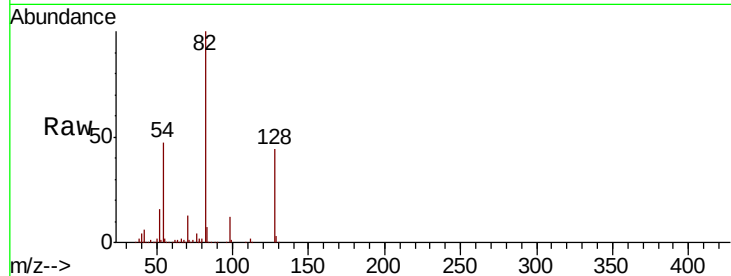
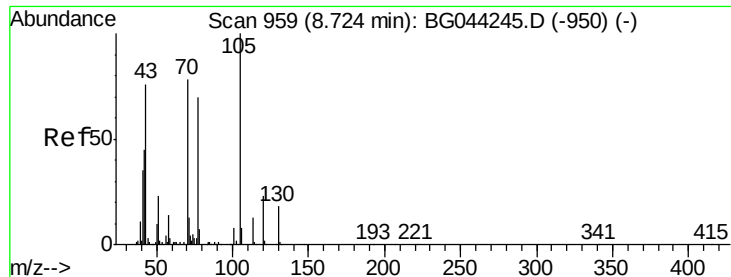
108 33.7 68.3 102.5#

77 110.8 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

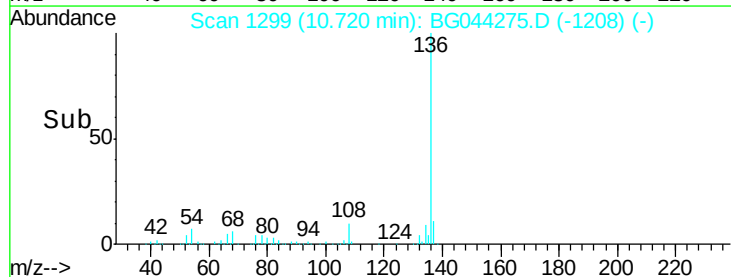
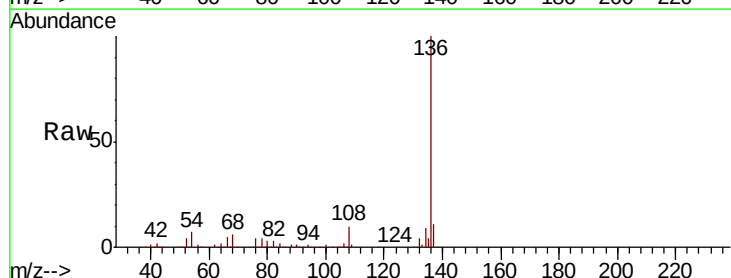
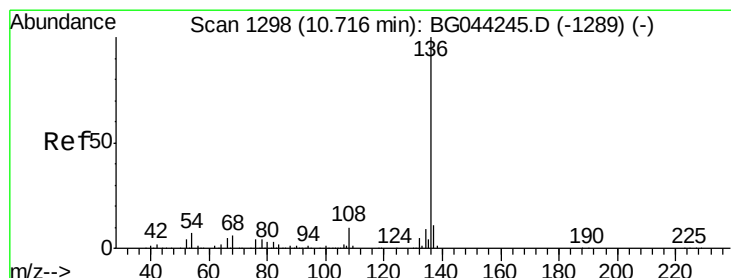
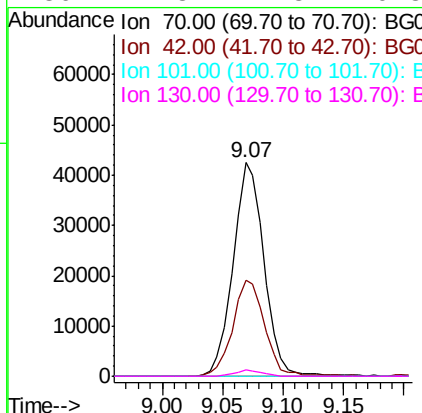




#19
n-Nitroso-di-n-propylamine
Concen: 20.365 ng
RT: 9.07 min Scan# 1018
Delta R.T. 0.34 min
Lab File: BG044275.D
Acq: 3 Feb 2020 16:43

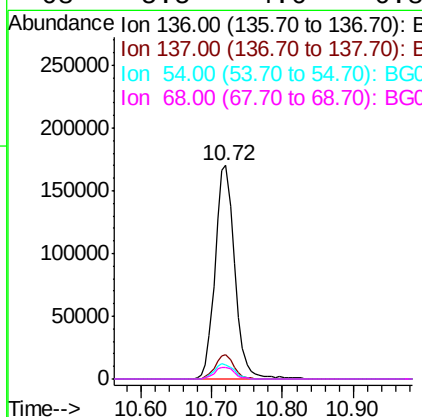
Instrument :
BNA_G
ClientSampleId :

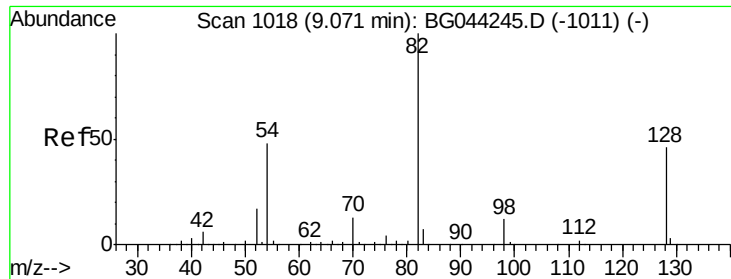
Tot Ion: 70 Resp: 75825
Ion Ratio Lower Upper
70 100
42 44.9 46.2 69.2#
101 0.0 8.4 12.6#
130 2.8 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BG044275.D
Acq: 3 Feb 2020 16:43

Tgt Ion: 136 Resp: 328837
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.9 5.8 8.8
68 5.5 4.6 6.8

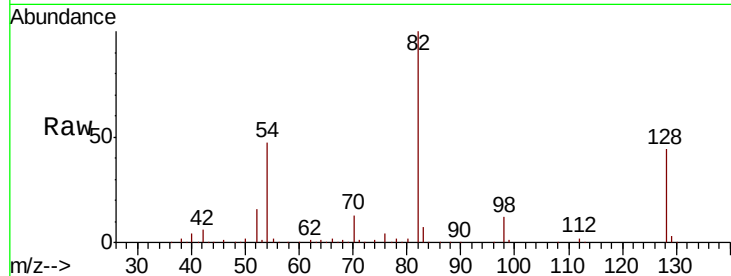




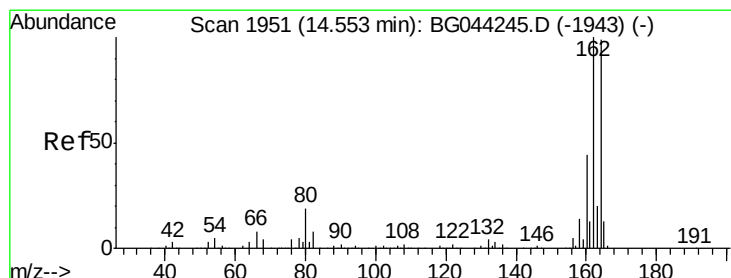
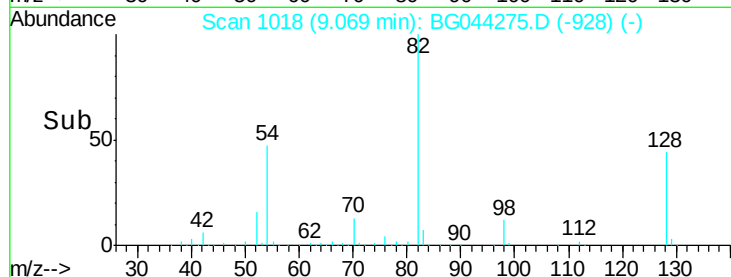
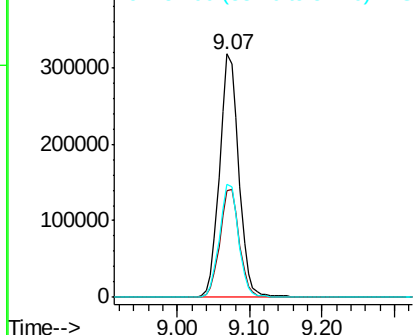
#23
 Nitrobenzene-d5
 Concen: 100.845 ng
 RT: 9.07 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: BG044275.D
 Acq: 3 Feb 2020 16:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	82	Resp	587382
Ion Ratio	100		
Lower	36.5		
Upper	54.7		
54	46.7	38.6	58.0

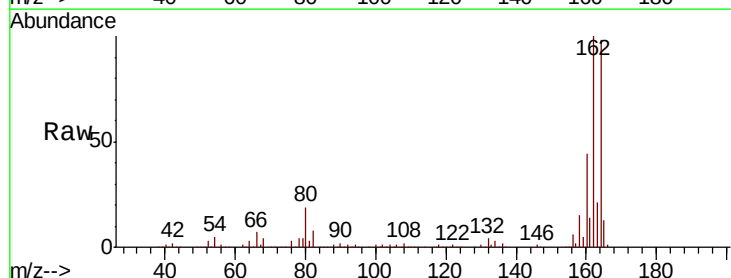


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

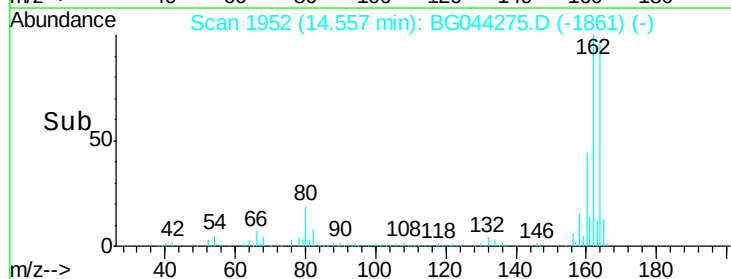
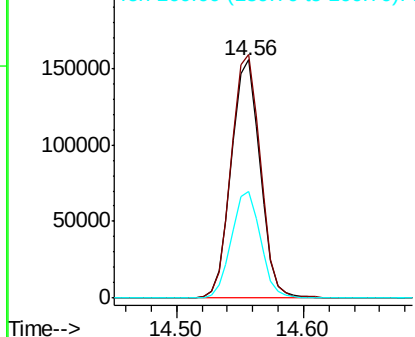


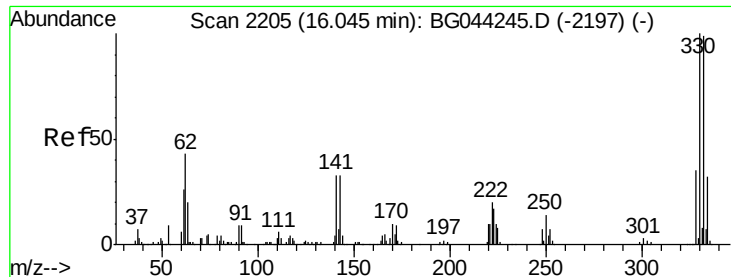
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: BG044275.D
 Acq: 3 Feb 2020 16:43

Tgt Ion	164	Resp	243328
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>80.7</td> <td></td> <td></td>	80.7		
Upper <td>121.1</td> <td></td> <td></td>	121.1		
162	102.3	35.3	52.9
160	44.8		



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: 148.379 ng

RT: 16.04 min Scan# 2205

Delta R.T. -0.00 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

Instrument :

BNA_G

ClientSampleId :

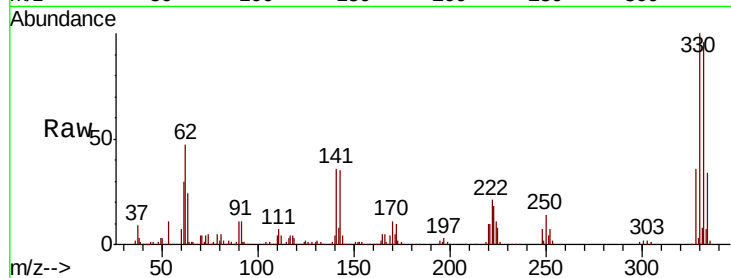
Tot Ion:330 Resp: 423848

Ion Ratio Lower Upper

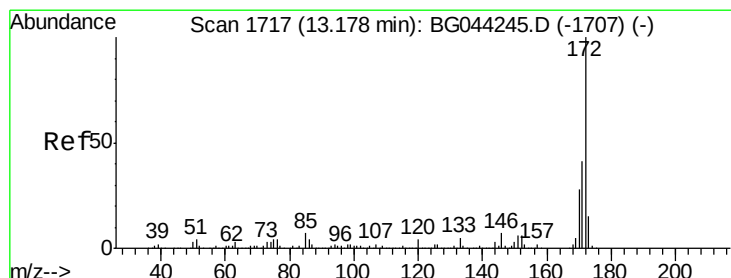
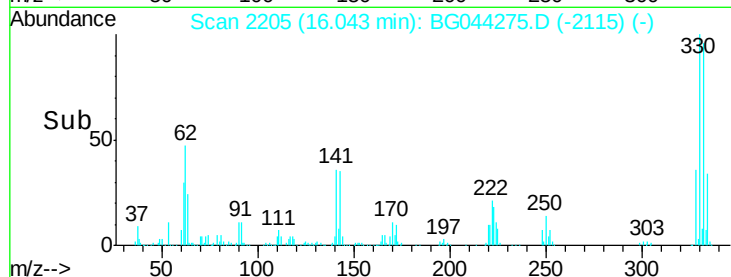
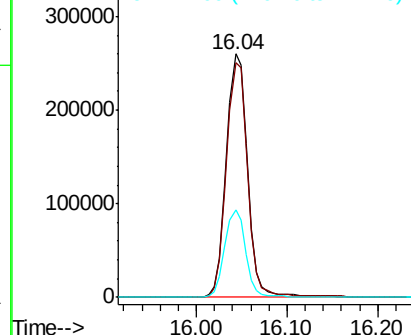
330 100

332 97.2 77.2 115.8

141 35.6 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: 95.446 ng

RT: 13.18 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

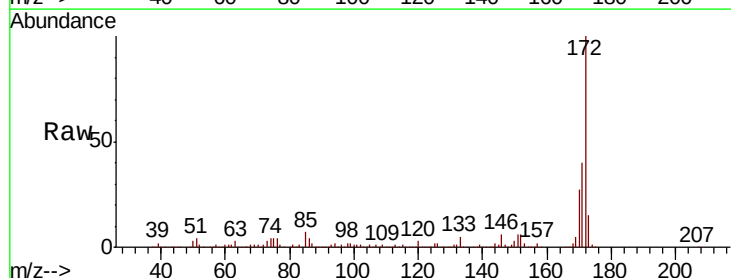
Tgt Ion:172 Resp: 1386911

Ion Ratio Lower Upper

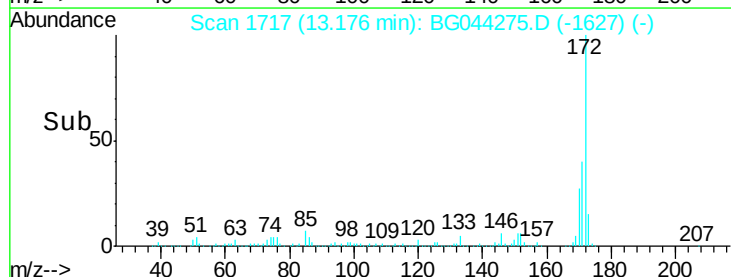
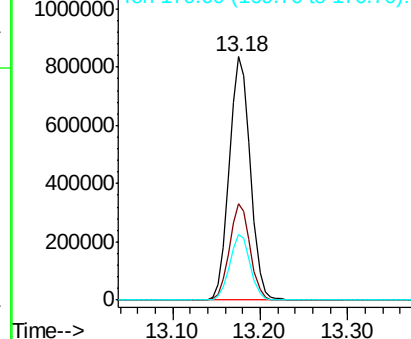
172 100

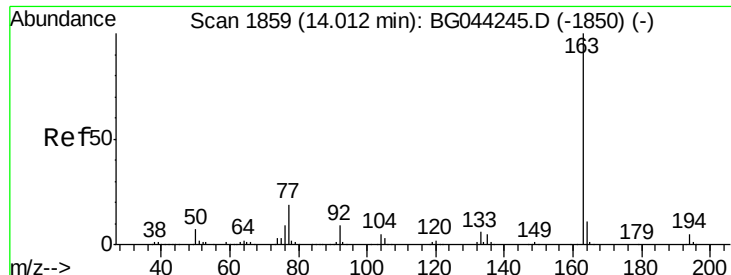
171 39.8 32.9 49.3

170 27.2 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





#50

Dimethylphthalate

Concen: 3.517 ng

RT: 14.01 min Scan# 1859

Delta R.T. -0.00 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

Instrument :

BNA_G

ClientSampleId :

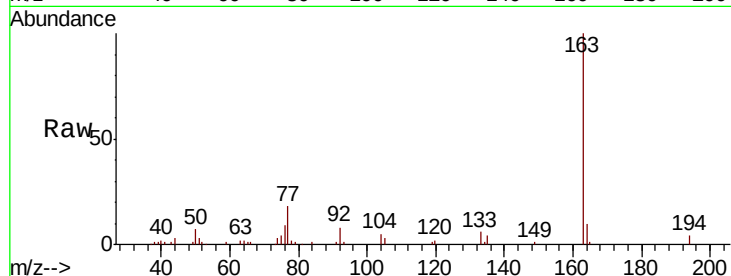
Tot Ion:163 Resp: 61514

Ion Ratio Lower Upper

163 100

194 3.6 3.6 5.4#

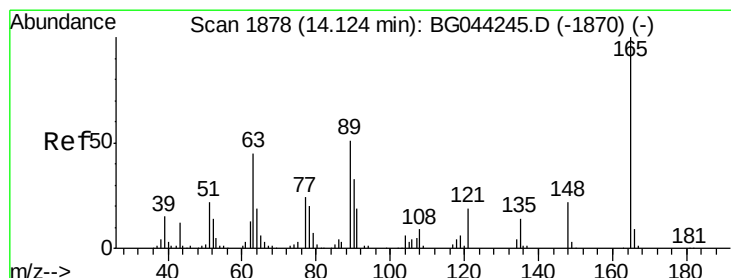
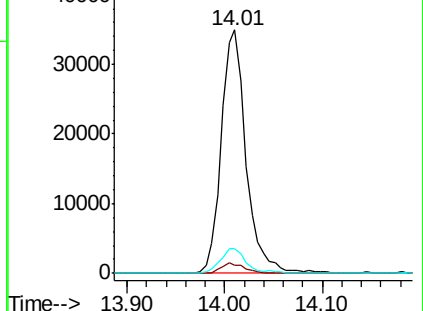
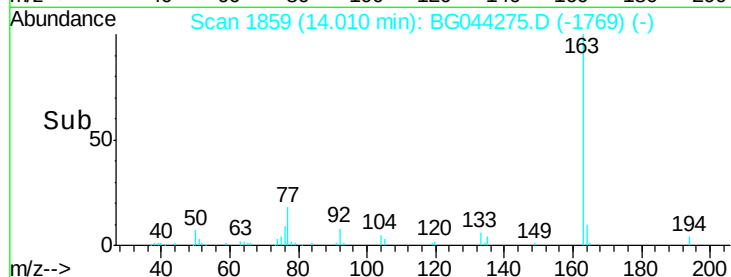
164 10.3 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.151 ng

RT: 14.56 min Scan# 1952

Delta R.T. 0.43 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

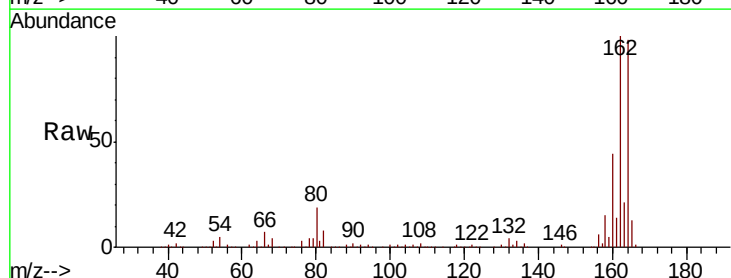
Tgt Ion:165 Resp: 31787

Ion Ratio Lower Upper

165 100

63 1.3 38.7 58.1#

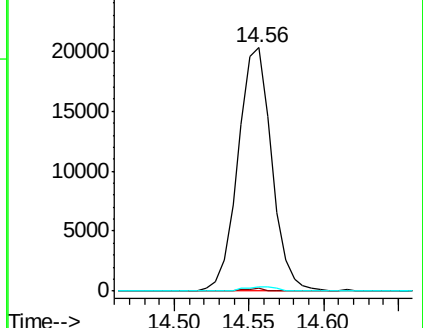
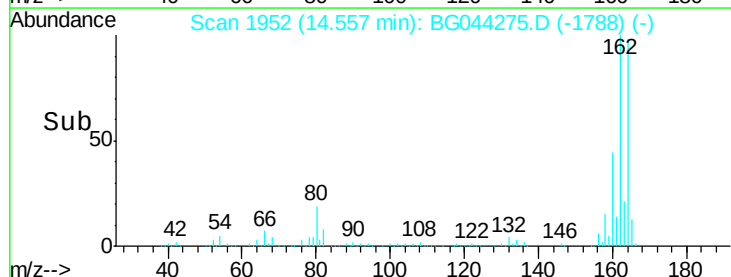
89 1.6 40.4 60.6#

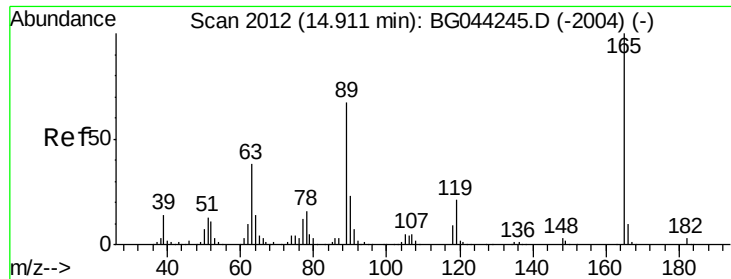


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

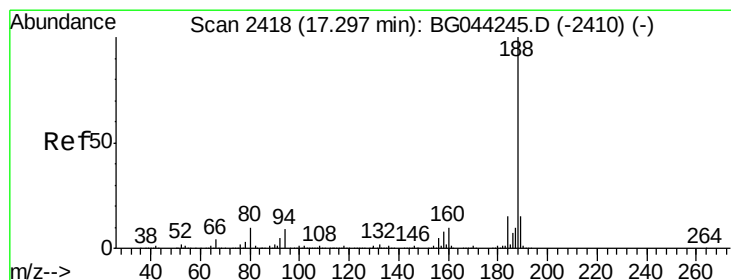
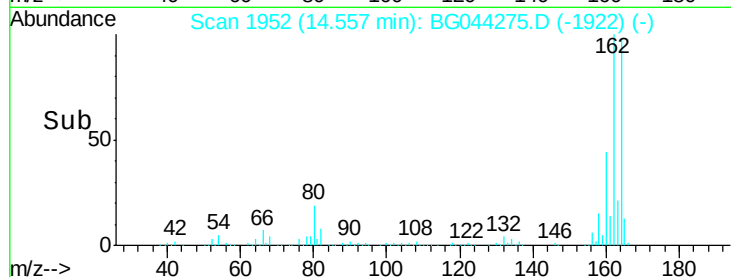
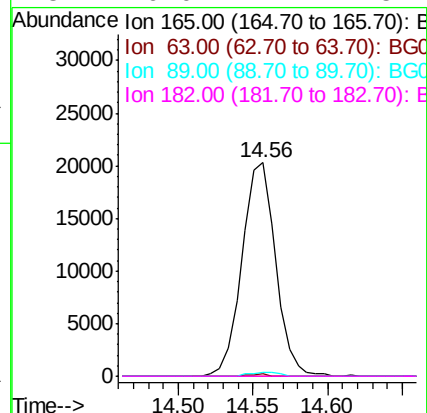
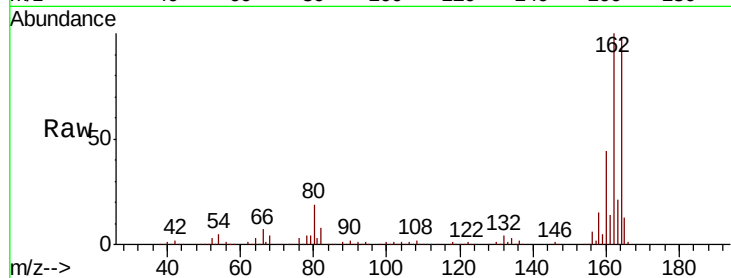




#57
 2,4-Dinitrotoluene
 Concen: 5.815 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.35 min
 Lab File: BG044275.D
 Acq: 3 Feb 2020 16:43

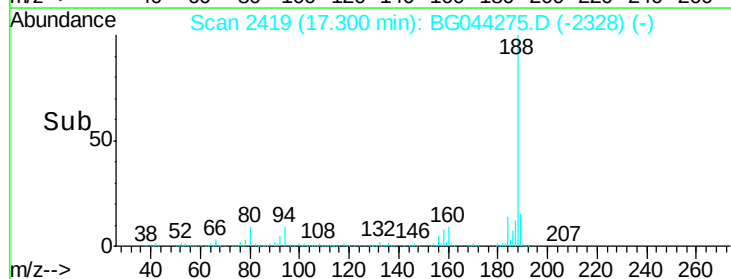
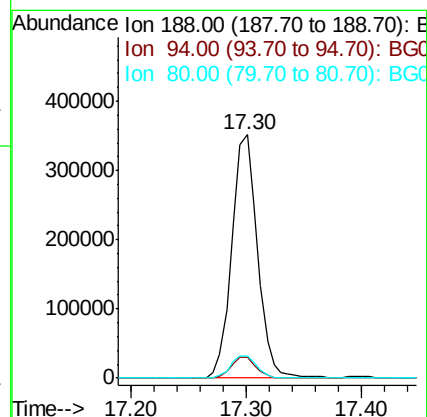
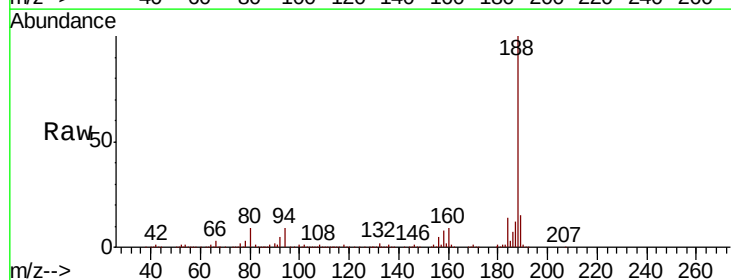
Instrument :
 BNA_G
 ClientSampleId :

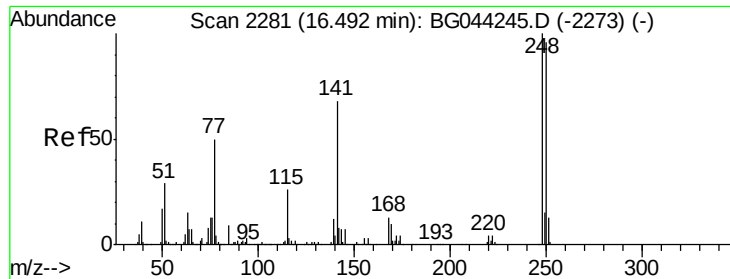
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	30.3	45.5#
89	1.6	53.4	80.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: BG044275.D
 Acq: 3 Feb 2020 16:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.4	11.2
80	9.1	7.7	11.5

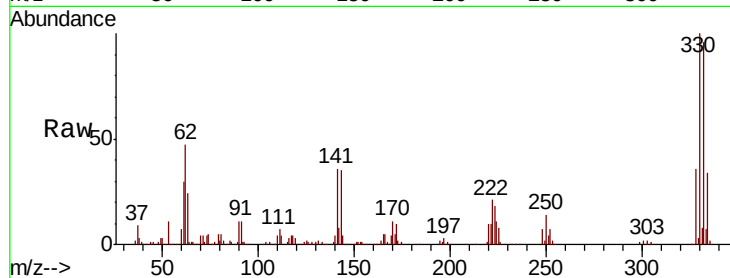




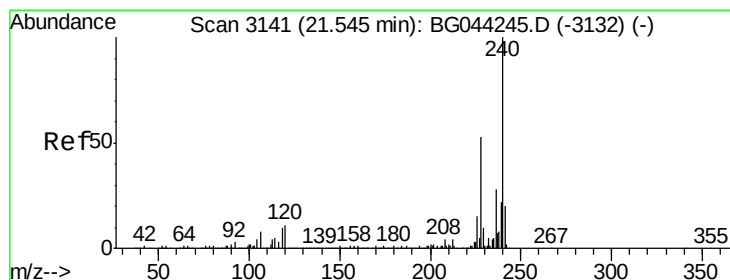
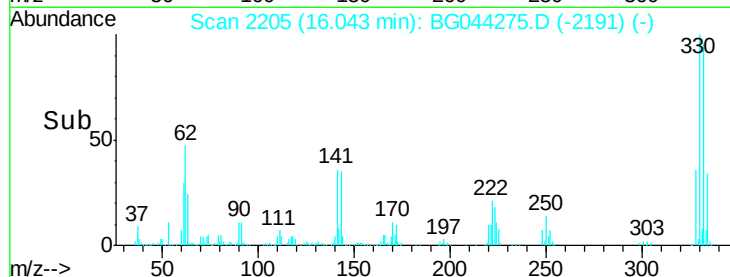
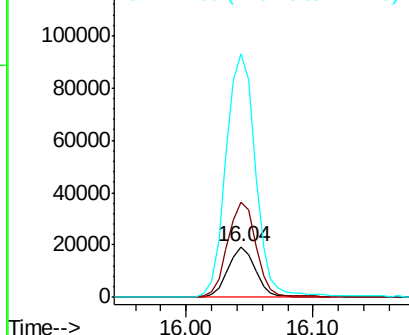
#67
 4-Bromophenyl-phenylether
 Concen: 4.954 ng
 RT: 16.04 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG044275.D
 Acq: 3 Feb 2020 16:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 29294
 Ion Ratio Lower Upper
 248 100
 250 189.0 76.6 114.8#
 141 480.5 54.7 82.1#

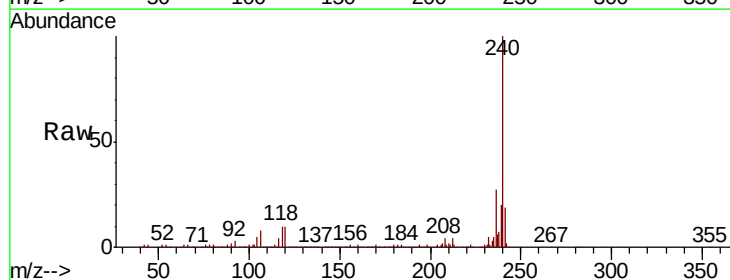


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

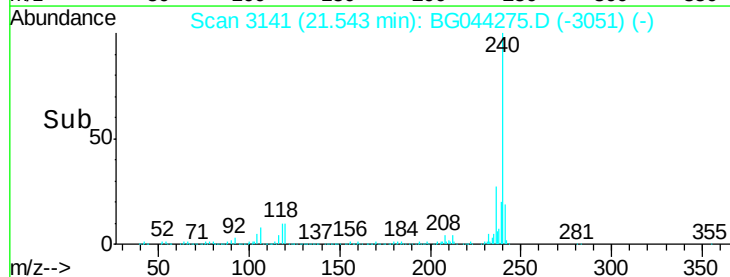
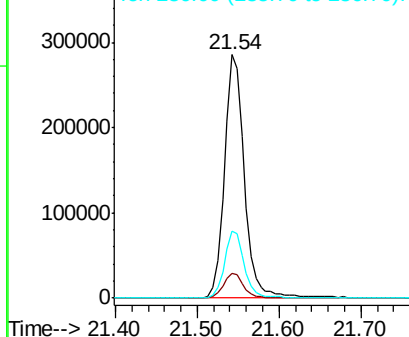


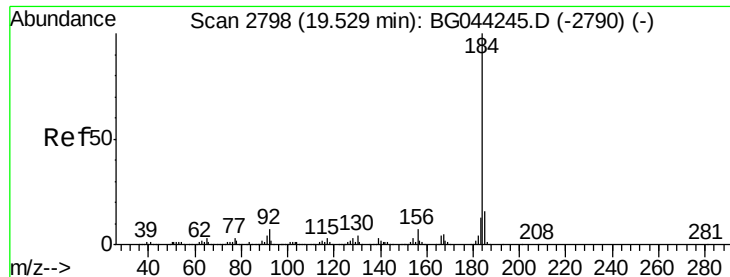
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.00 min
 Lab File: BG044275.D
 Acq: 3 Feb 2020 16:43

Tgt Ion:240 Resp: 482565
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.4 12.6
 236 27.4 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: 2.700 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.39 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

Instrument :

BNA_G

ClientSampleId :

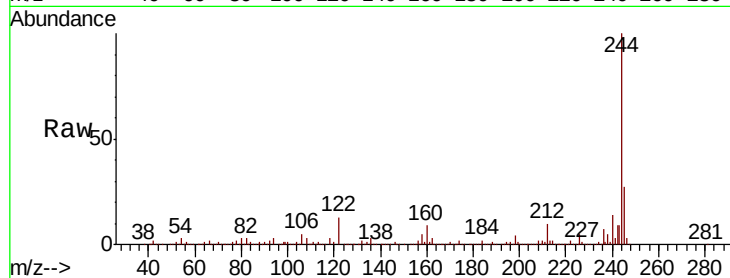
Tot Ion:184 Resp: 36141

Ion Ratio Lower Upper

184 100

185 16.5 12.9 19.3

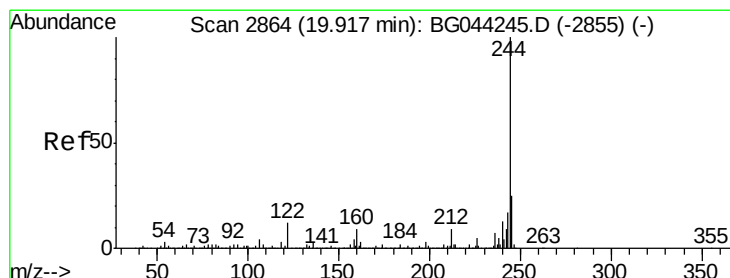
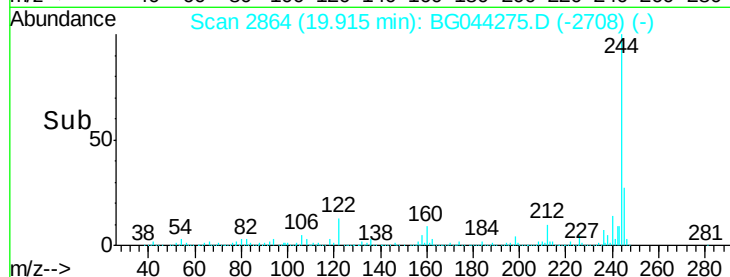
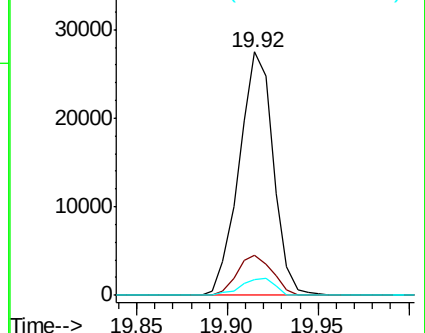
183 6.3 10.8 16.2#



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: 91.342 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG044275.D

Acq: 3 Feb 2020 16:43

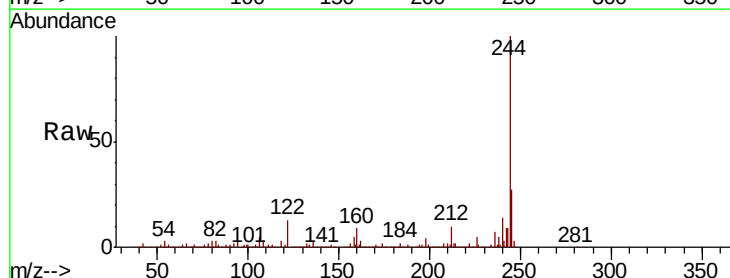
Tgt Ion:244 Resp: 2142984

Ion Ratio Lower Upper

244 100

212 9.6 7.4 11.2

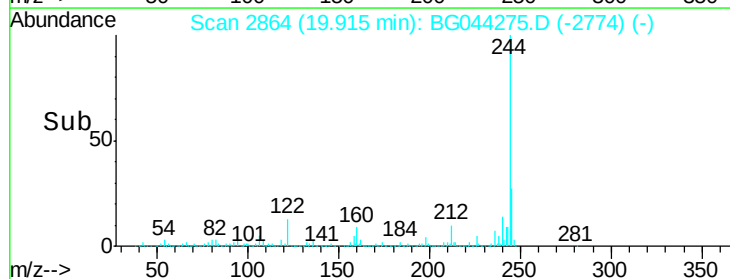
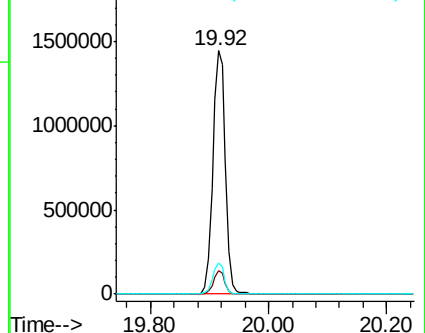
122 13.0 9.8 14.6

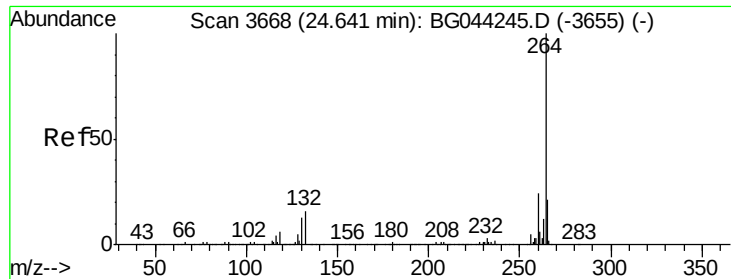


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.64 min Scan# 3669
 Delta R.T. 0.00 min
 Lab File: BG044275.D
 Acq: 3 Feb 2020 16:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion: 264 Resp: 534711
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.4 29.2
 265 22.4 16.7 25.1

