

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020420\
 Data File : BG044288.D
 Acq On : 4 Feb 2020 19:55
 Operator : CG/JU
 Sample : PB126459BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 04:39:07 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

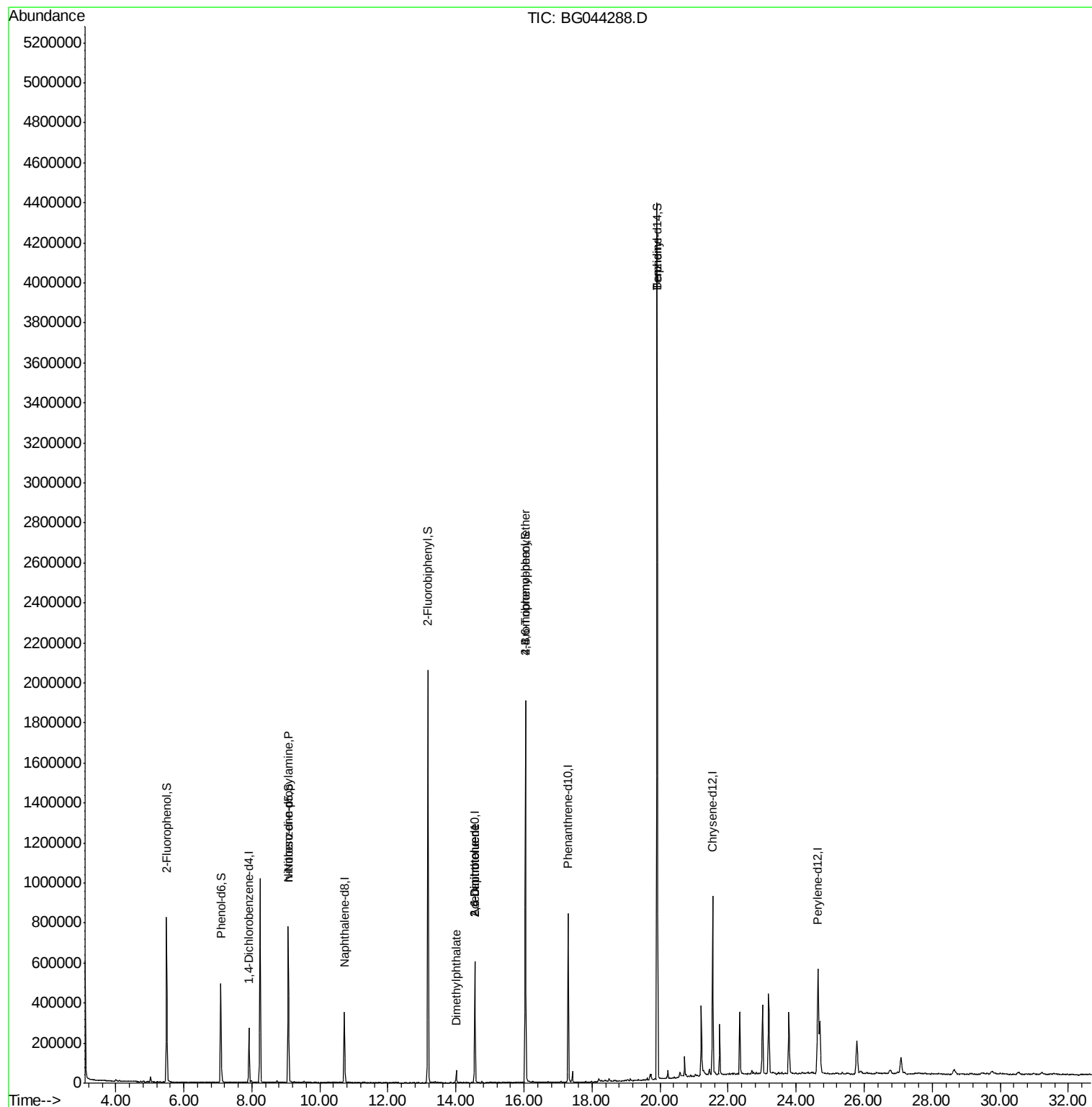
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	82430	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	326567	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	214916	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	518673	20.00	ng	0.00
76) Chrysene-d12	21.55	240	503749	20.00	ng	0.00
87) Perylene-d12	24.64	264	568066	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	401259	85.91	ng	0.00
7) Phenol-d6	7.09	99	324306	51.71	ng	0.00
23) Nitrobenzene-d5	9.07	82	500528	86.53	ng	0.00
42) 2,4,6-Tribromophenol	16.04	330	365536	144.88	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	1137800	88.65	ng	0.00
79) Terphenyl-d14	19.91	244	2076588	84.79	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	64130	15.342	ng	Qvalue
50) Dimethylphthalate	14.01	163	45365	2.936	ng	# 77
51) 2,6-Dinitrotoluene	14.55	165	28082	8.153	ng	# 29
57) 2,4-Dinitrotoluene	14.55	165	28082	5.817	ng	# 26
67) 4-Bromophenyl-phenylether	16.05	248	25738	4.555	ng	# 1
77) Benzidine	19.91	184	35700	2.555	ng	# 91

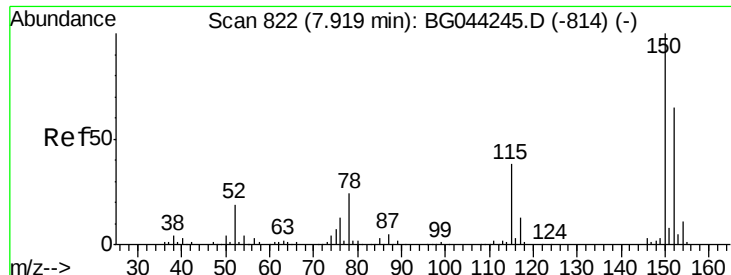
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



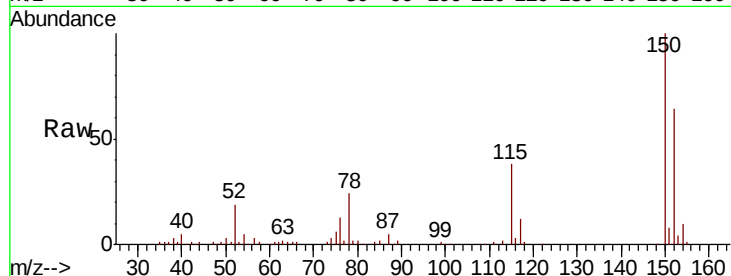


#1

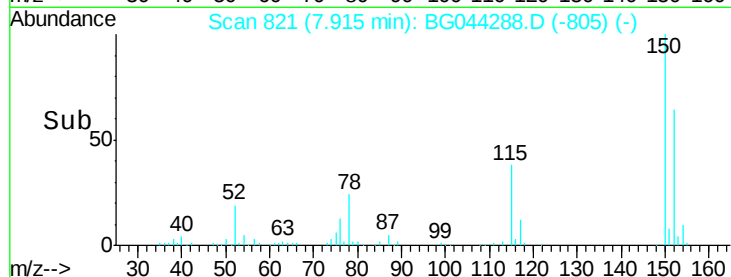
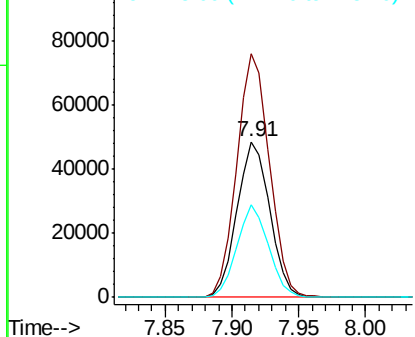
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.00 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 82430
Ion Ratio Lower Upper
152 100
150 156.8 122.6 183.8
115 59.2 46.0 69.0



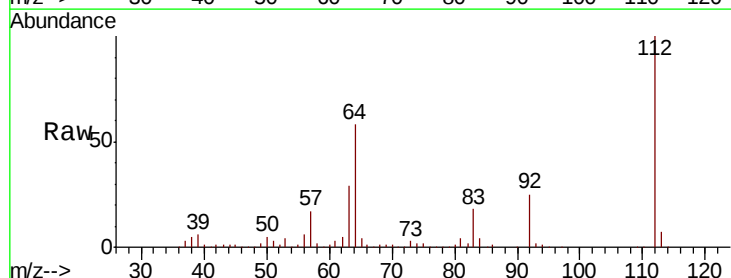
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



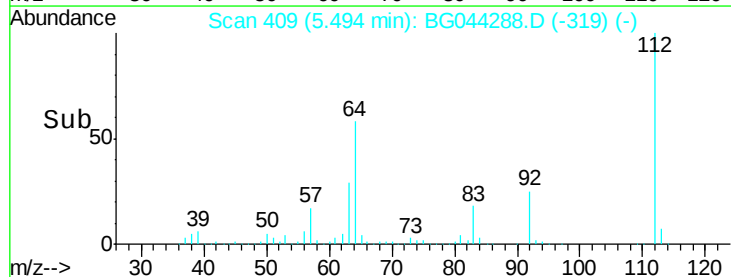
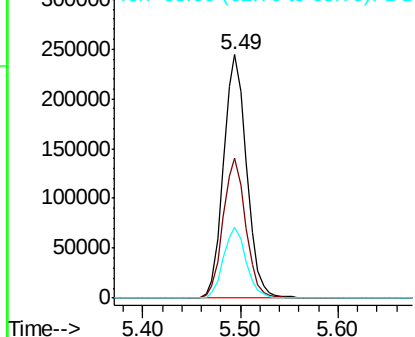
#5

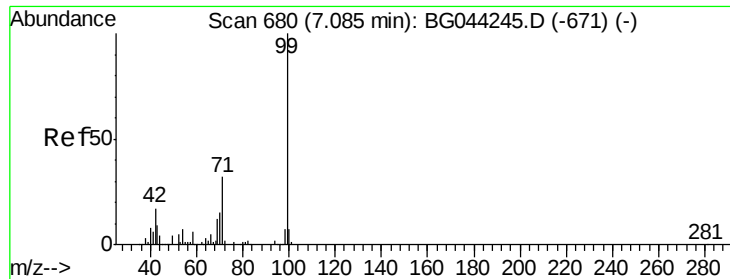
2-Fluorophenol
Concen: 85.910 ng
RT: 5.49 min Scan# 409
Delta R.T. 0.00 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

Tgt Ion:112 Resp: 401259
Ion Ratio Lower Upper
112 100
64 57.5 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: 51.707 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG044288.D

Acq: 4 Feb 2020 19:55

Instrument :

BNA_G

ClientSampled :

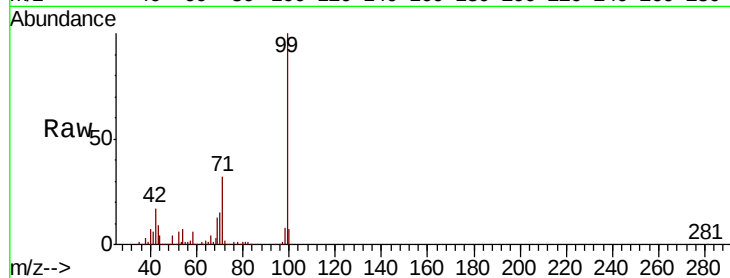
Tot Ion: 99 Resp: 324306

Ion Ratio Lower Upper

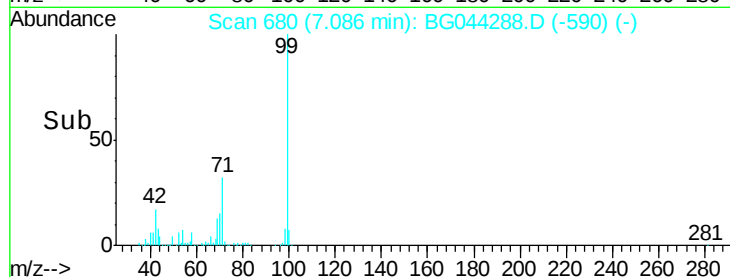
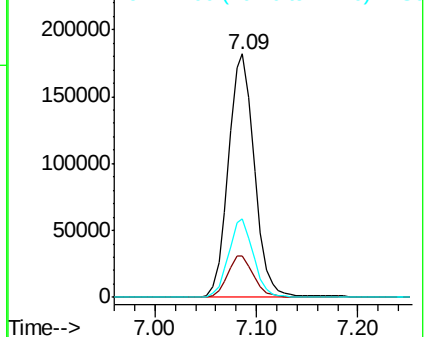
99 100

42 16.8 13.8 20.6

71 32.1 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: 15.342 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.35 min

Lab File: BG044288.D

Acq: 4 Feb 2020 19:55

Tgt Ion: 70 Resp: 64130

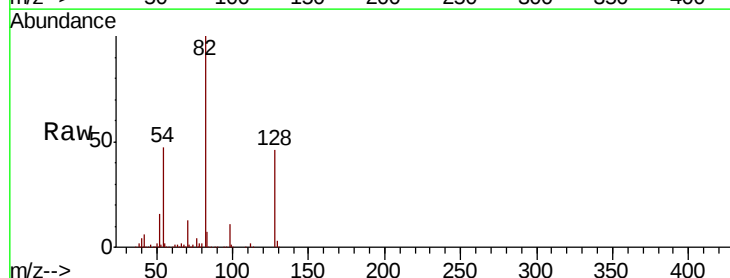
Ion Ratio Lower Upper

70 100

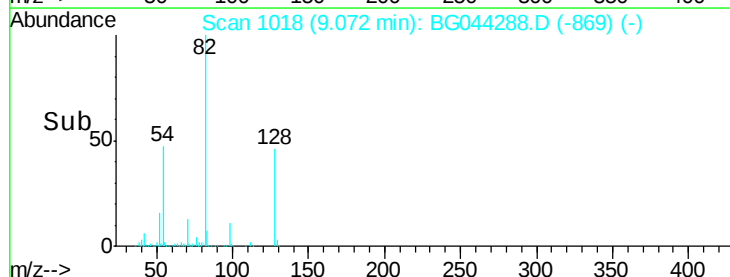
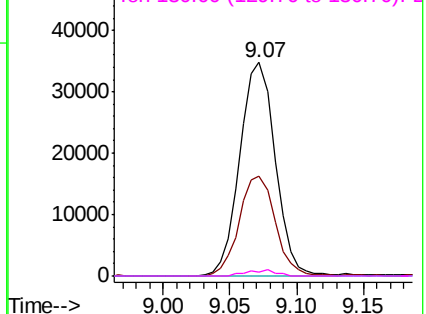
42 47.0 46.2 69.2

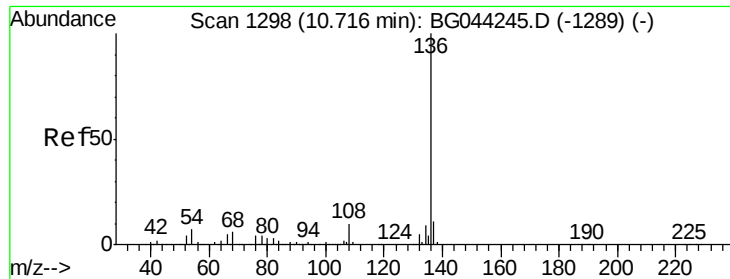
101 0.0 8.4 12.6#

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: 10.72 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BG044288.D

Acq: 4 Feb 2020 19:55

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 326567

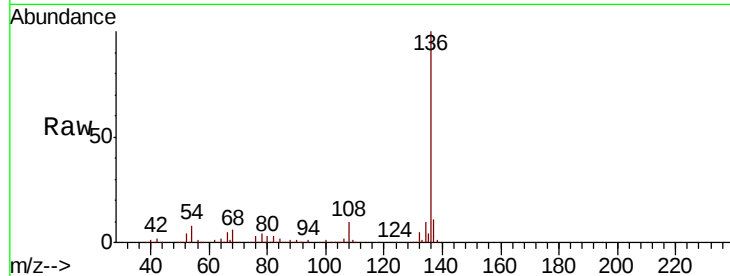
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.6 5.8 8.8

68 5.7 4.6 6.8

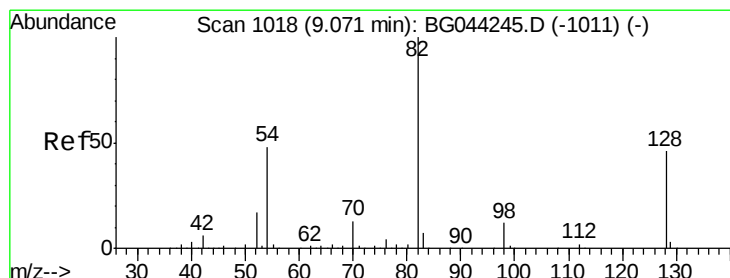
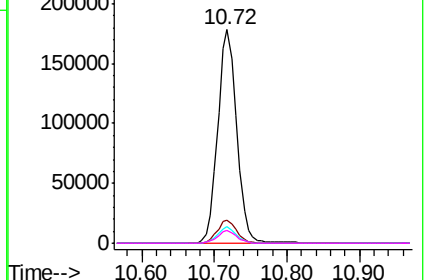
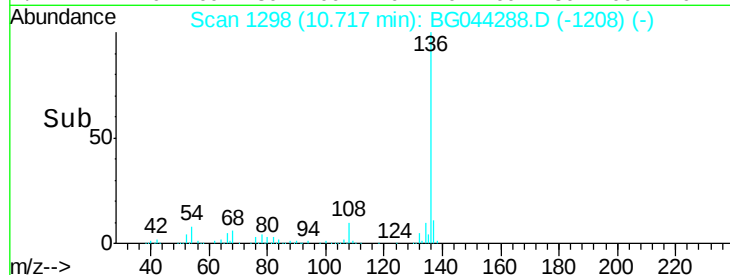


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.530 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BG044288.D

Acq: 4 Feb 2020 19:55

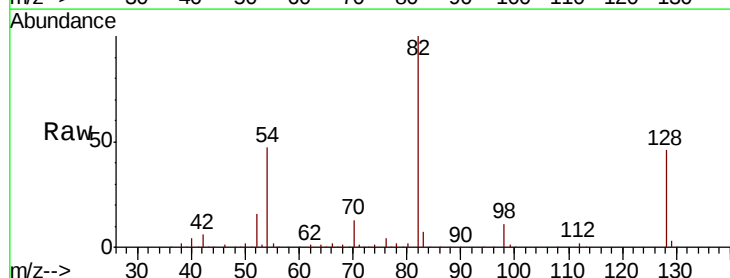
Tgt Ion: 82 Resp: 500528

Ion Ratio Lower Upper

82 100

128 46.4 36.5 54.7

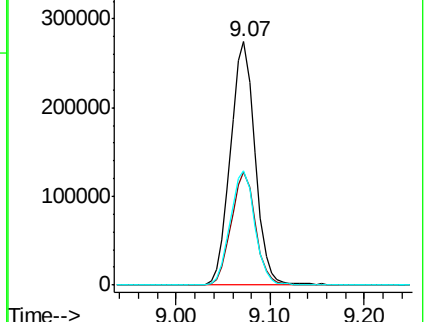
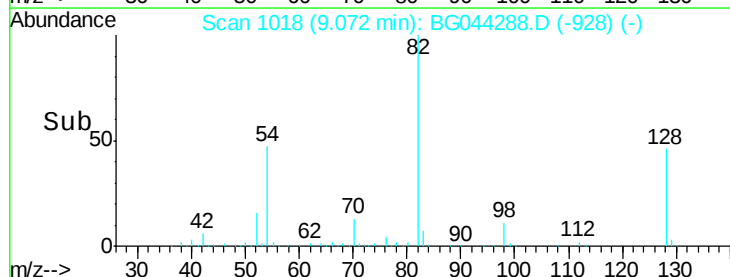
54 46.9 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

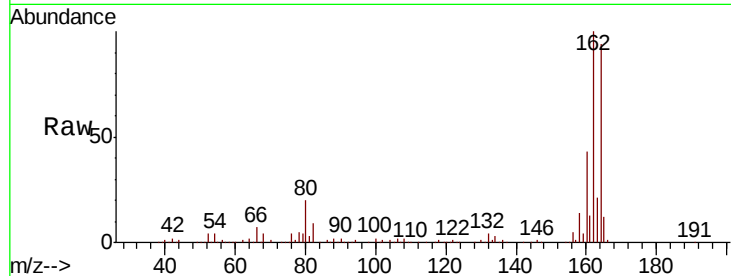




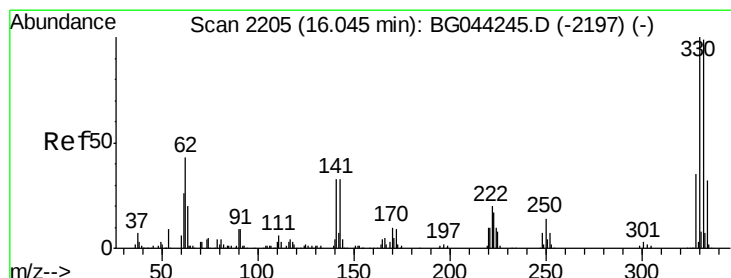
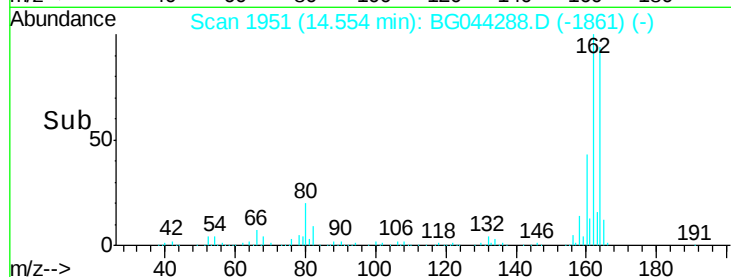
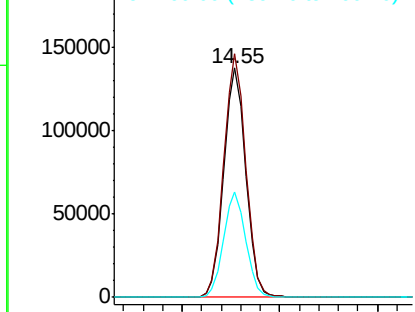
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.3	80.7	121.1
160	45.8	35.3	52.9

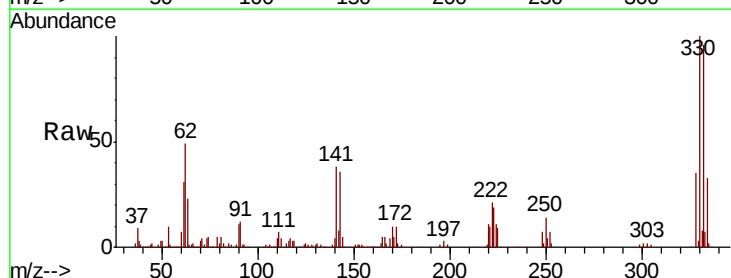


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

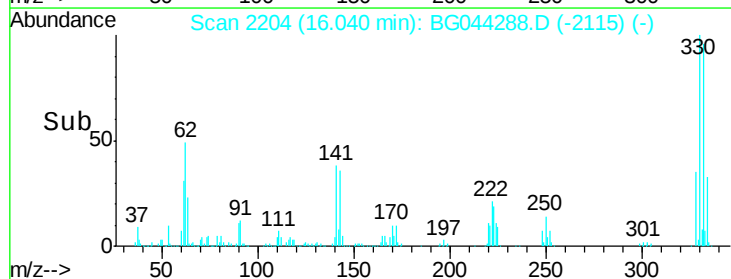
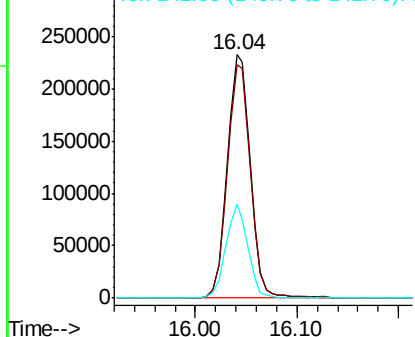


#42
2,4,6-Tribromophenol
Concen: 144.882 ng
RT: 16.04 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.2	115.8
141	36.6	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

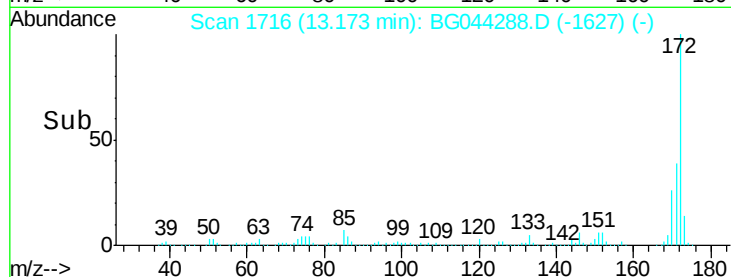
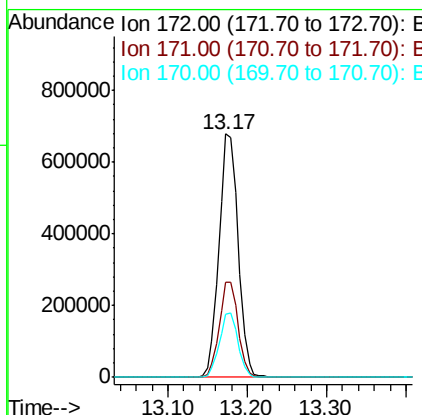
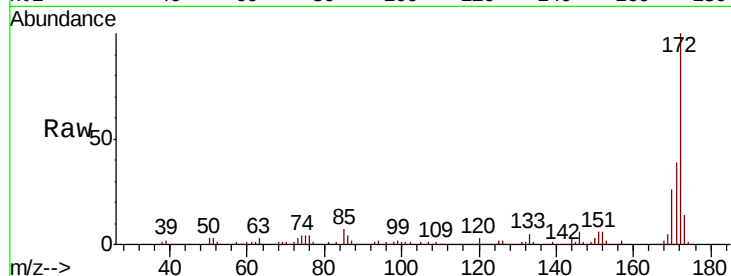




#45
2-Fluorobiphenyl
Concen: 88.654 ng
RT: 13.17 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

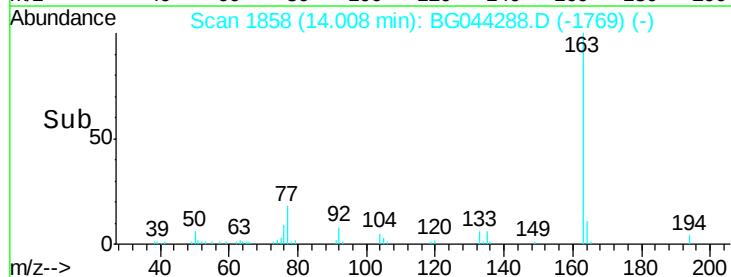
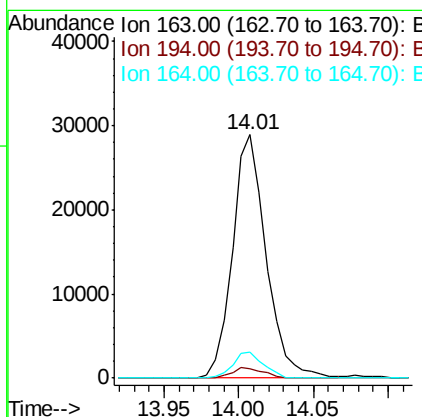
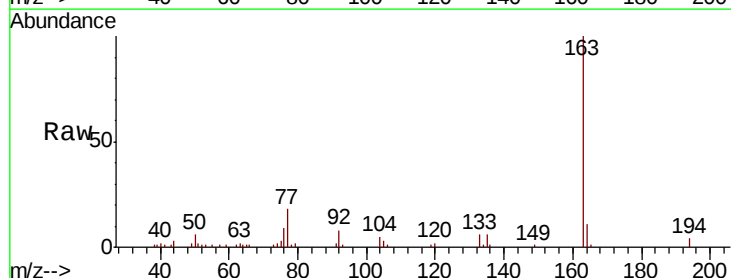
Instrument :
BNA_G
ClientSampled :

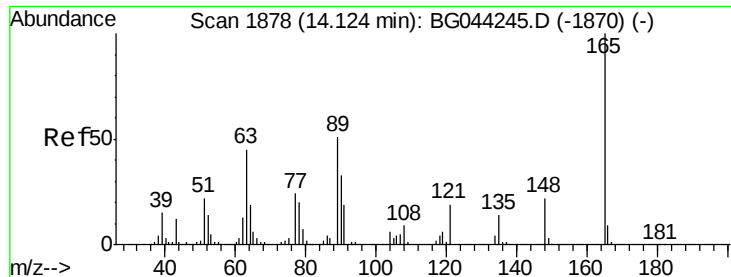
Tot Ion:172 Resp: 1137800
Ion Ratio Lower Upper
172 100
171 39.2 32.9 49.3
170 26.0 22.0 33.0



#50
Dimethylphthalate
Concen: 2.936 ng
RT: 14.01 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

Tgt Ion:163 Resp: 45365
Ion Ratio Lower Upper
163 100
194 3.8 3.6 5.4
164 10.6 8.7 13.1

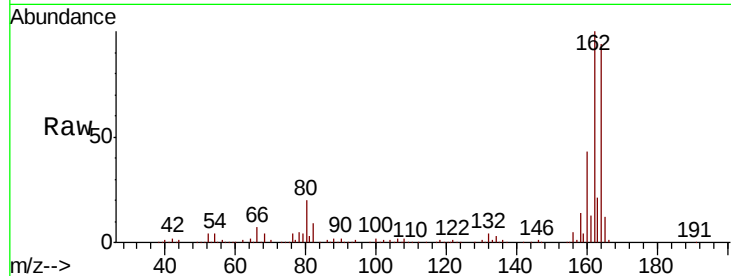




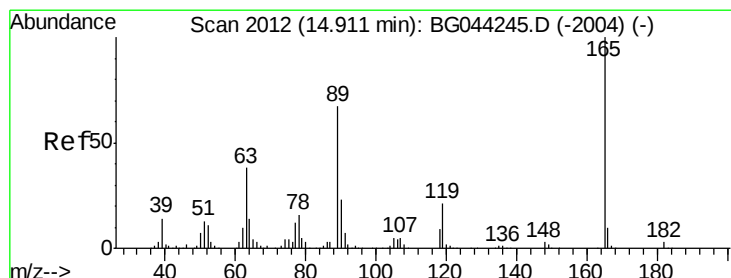
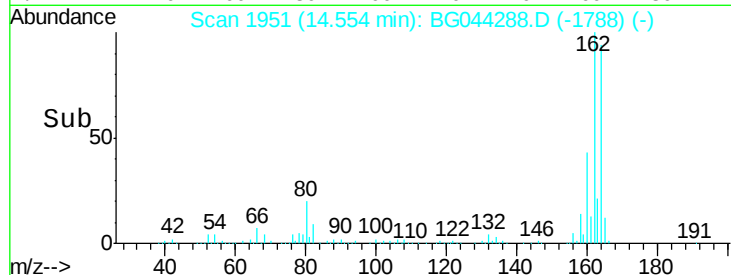
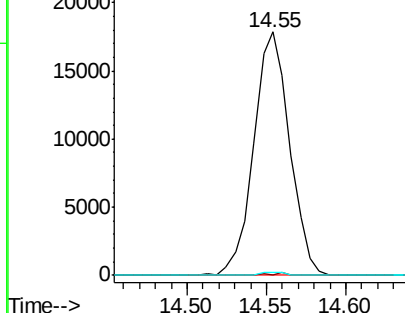
#51
 2,6-Dinitrotoluene
 Concen: 8.153 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. 0.43 min
 Lab File: BG044288.D
 Acq: 4 Feb 2020 19:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.7	58.1#
89	1.0	40.4	60.6#

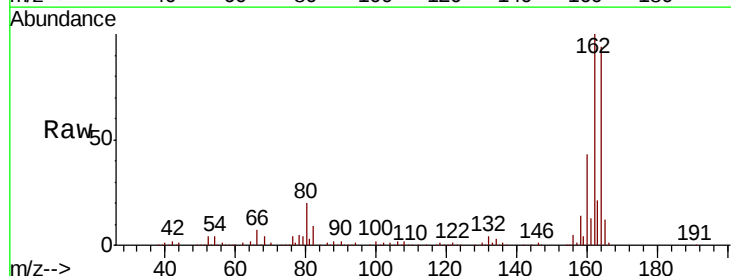


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

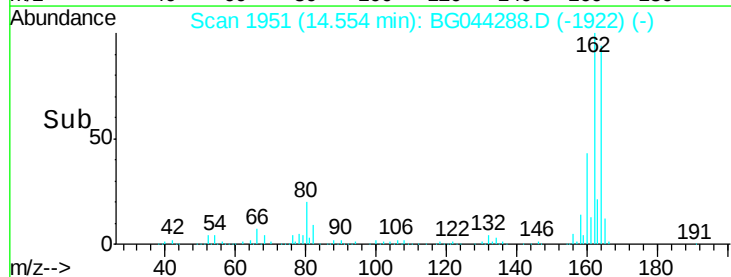
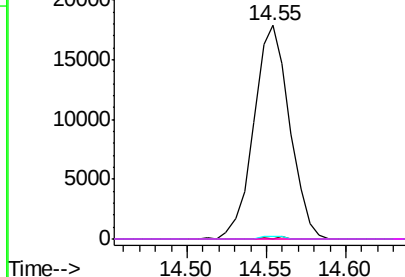


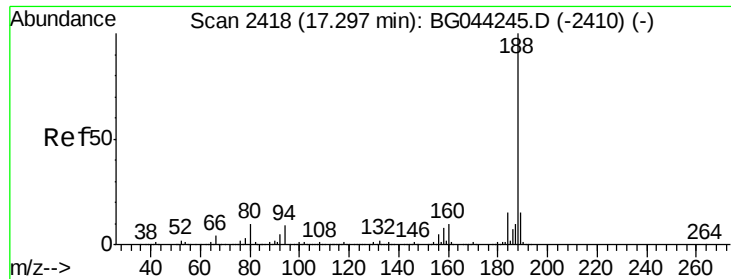
#57
 2,4-Dinitrotoluene
 Concen: 5.817 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.36 min
 Lab File: BG044288.D
 Acq: 4 Feb 2020 19:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	30.3	45.5#
89	1.0	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

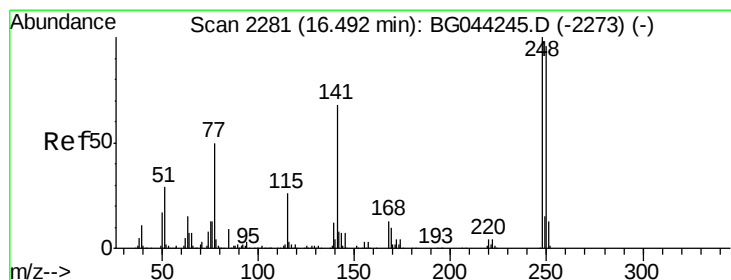
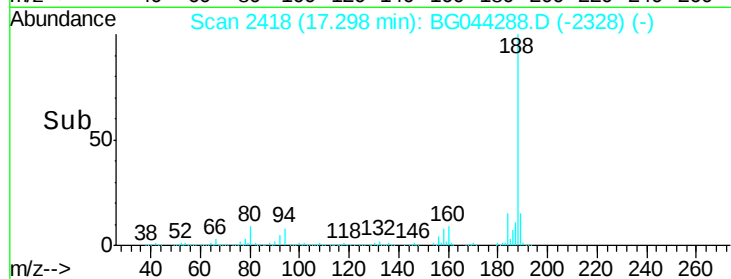
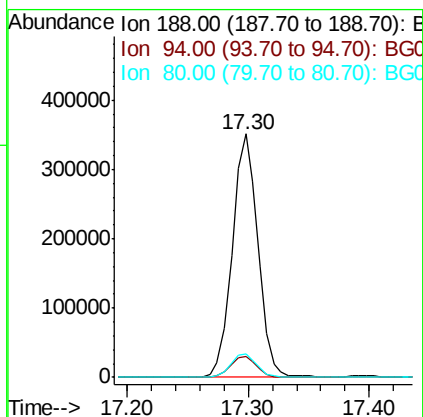
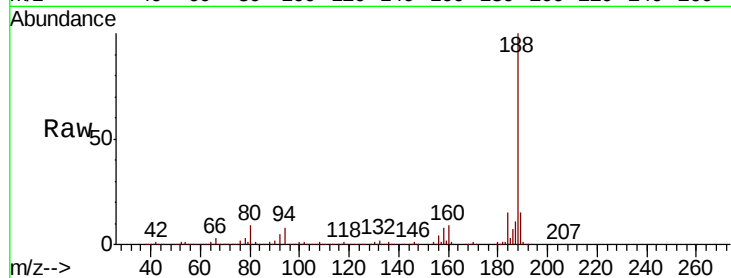




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.30 min Scan# 2418
Delta R.T. 0.00 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

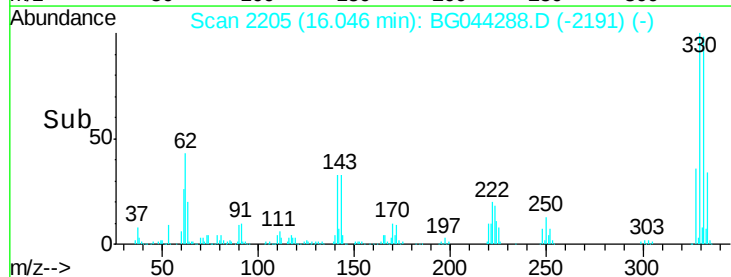
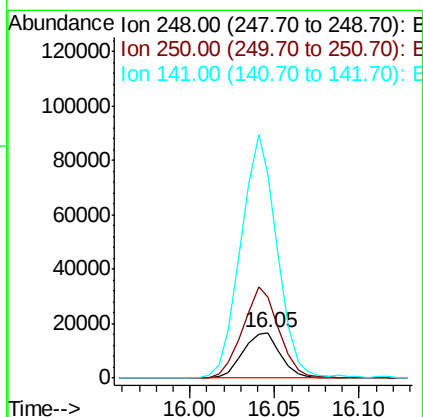
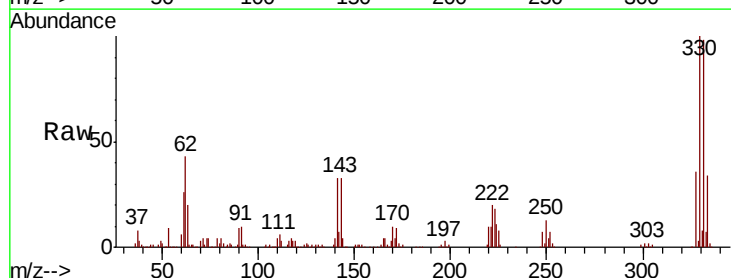
Instrument :
BNA_G
ClientSampleId :

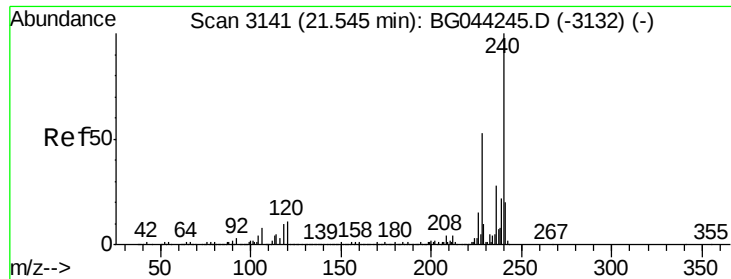
Tot Ion:188 Resp: 518673
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 9.5 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 4.555 ng
RT: 16.05 min Scan# 2205
Delta R.T. -0.45 min
Lab File: BG044288.D
Acq: 4 Feb 2020 19:55

Tgt Ion:248 Resp: 25738
Ion Ratio Lower Upper
248 100
250 178.9 76.6 114.8#
141 449.3 54.7 82.1#

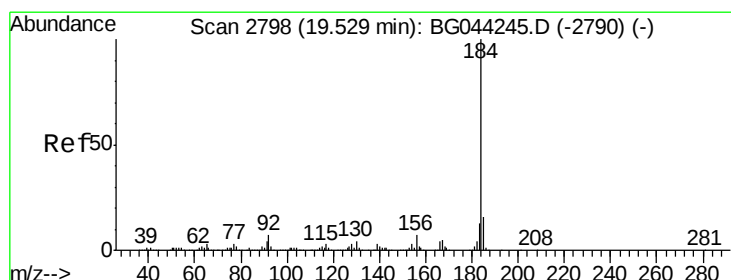
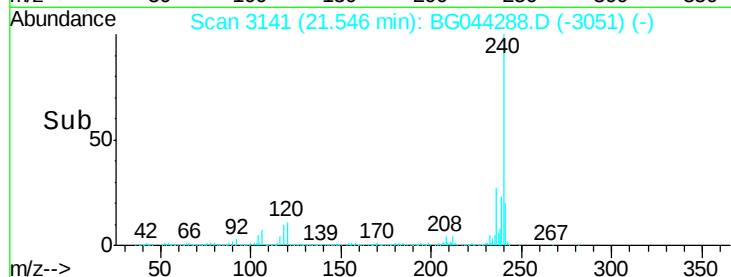
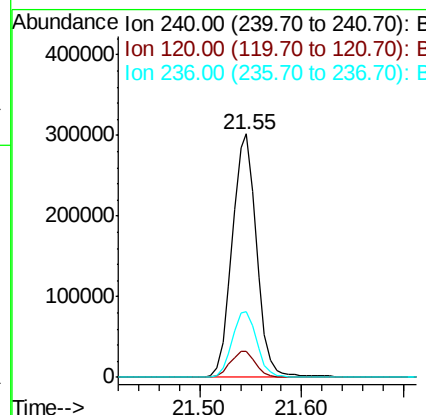
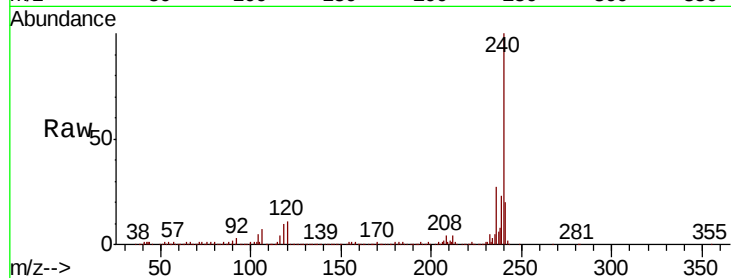




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3141
 Delta R.T. 0.00 min
 Lab File: BG044288.D
 Acq: 4 Feb 2020 19:55

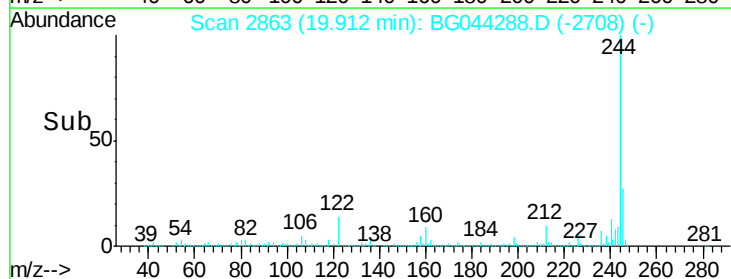
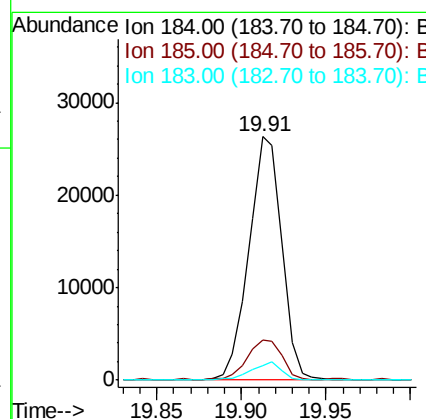
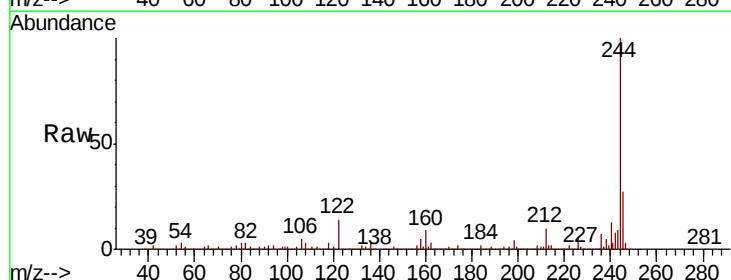
Instrument :
 BNA_G
 ClientSampleId :

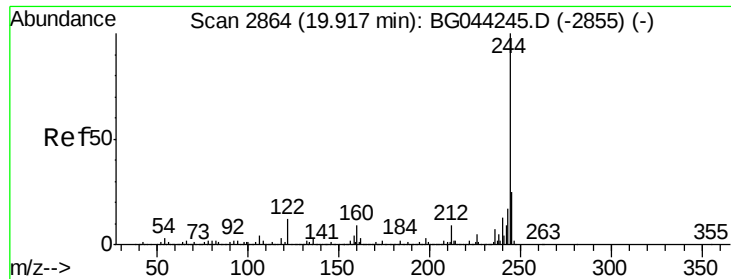
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.4	12.6
236	27.2	22.1	33.1



#77
 Benzidine
 Concen: 2.555 ng
 RT: 19.91 min Scan# 2863
 Delta R.T. 0.38 min
 Lab File: BG044288.D
 Acq: 4 Feb 2020 19:55

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.5	12.9	19.3
183	6.0	10.8	16.2#





#79

Terphenyl-d14

Concen: 84.790 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG044288.D

Acq: 4 Feb 2020 19:55

Instrument :

BNA_G

ClientSampleId :

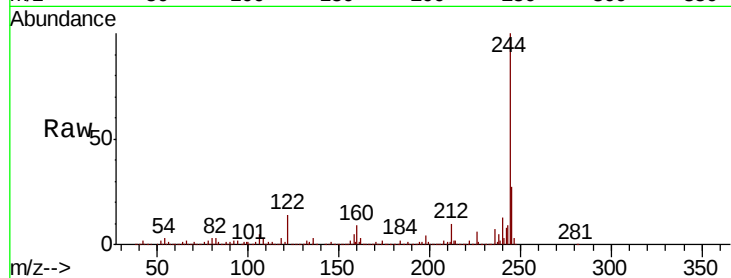
Tot Ion:244 Resp: 2076588

Ion Ratio Lower Upper

244 100

212 9.9 7.4 11.2

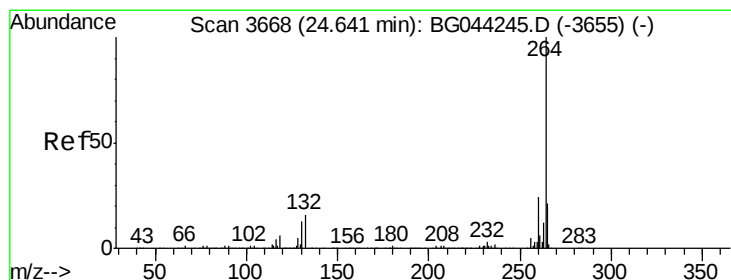
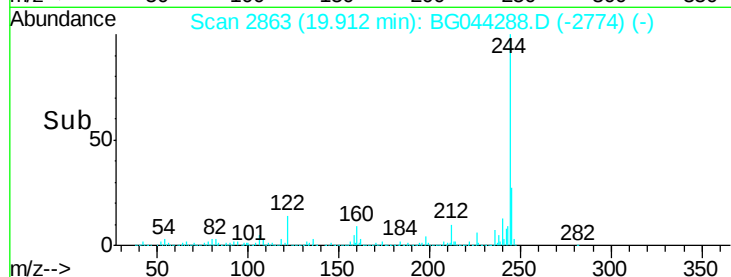
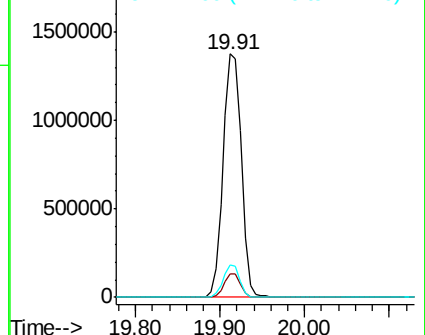
122 13.6 9.8 14.6



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: 24.64 min Scan# 3668

Delta R.T. 0.00 min

Lab File: BG044288.D

Acq: 4 Feb 2020 19:55

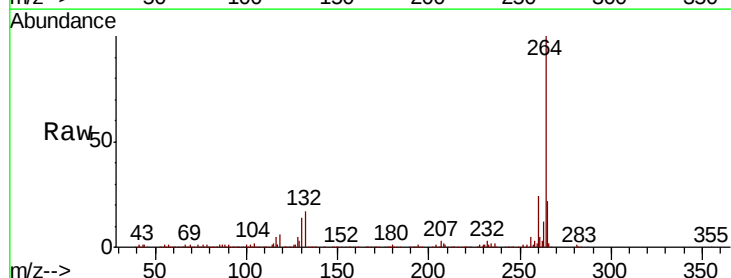
Tgt Ion:264 Resp: 568066

Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.9 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

