

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022120\
 Data File : BG044555.D
 Acq On : 21 Feb 2020 18:55
 Operator : CG/JU
 Sample : L1586-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 22 05:52:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 21 16:02:12 2020
 Response via : Initial Calibration

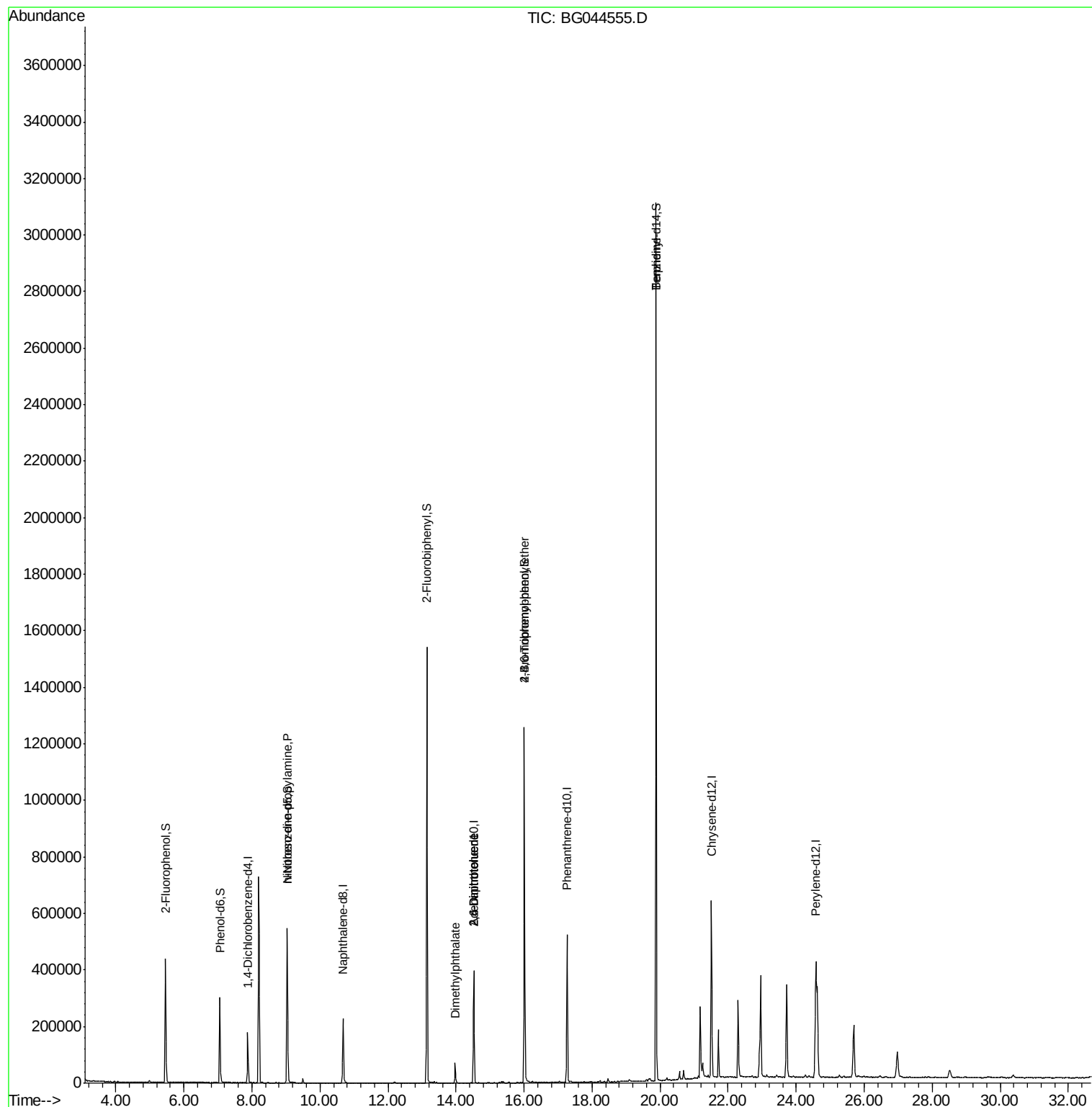
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	55397	20.00	ng	0.00
21) Naphthalene-d8	10.68	136	221901	20.00	ng	0.00
39) Acenaphthene-d10	14.52	164	146284	20.00	ng	0.00
64) Phenanthrene-d10	17.27	188	352491	20.00	ng	0.00
76) Chrysene-d12	21.51	240	370314	20.00	ng	0.00
87) Perylene-d12	24.58	264	417102	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	225458	71.83	ng	0.00
7) Phenol-d6	7.05	99	207809	49.30	ng	0.00
23) Nitrobenzene-d5	9.03	82	363935	92.59	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	262200	152.68	ng	0.00
45) 2-Fluorobiphenyl	13.14	172	847763	97.05	ng	0.00
79) Terphenyl-d14	19.88	244	1511421	83.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.03	70	46609	16.592	ng	# 77
50) Dimethylphthalate	13.98	163	55995	5.325	ng	# 99
51) 2,6-Dinitrotoluene	14.52	165	18369	7.835	ng	# 31
57) 2,4-Dinitrotoluene	14.52	165	18369	5.590	ng	# 29
67) 4-Bromophenyl-phenylether	16.01	248	17979	4.682	ng	# 1
77) Benzidine	19.88	184	23164	2.255	ng	# 90

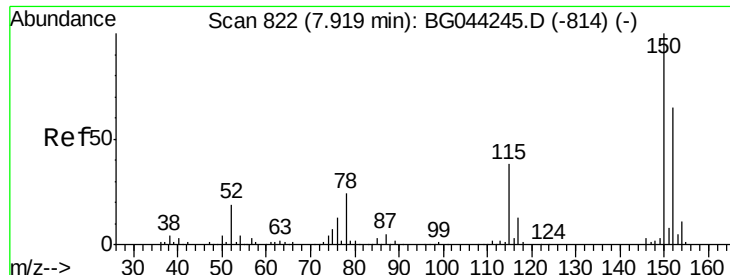
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 21 16:02:12 2020
Response via : Initial Calibration



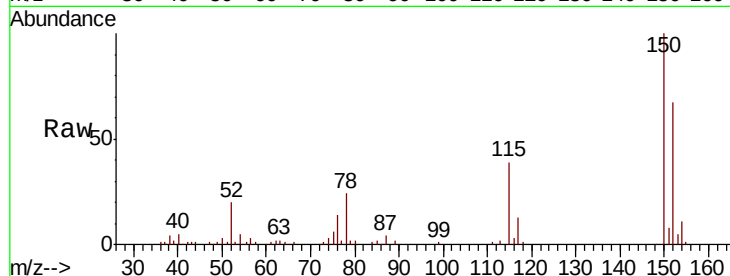


#1

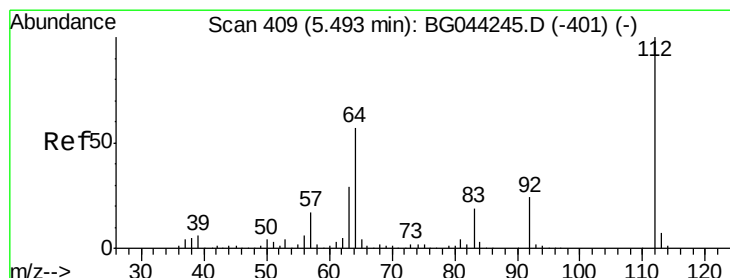
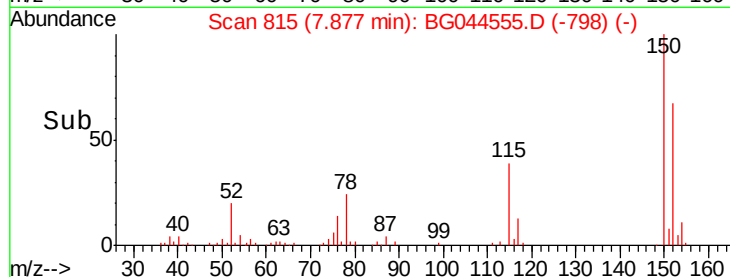
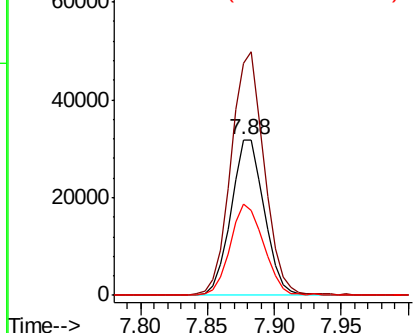
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BG044555.D
 Acq: 21 Feb 2020 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.1	123.1	184.7
115	58.5	45.1	67.7



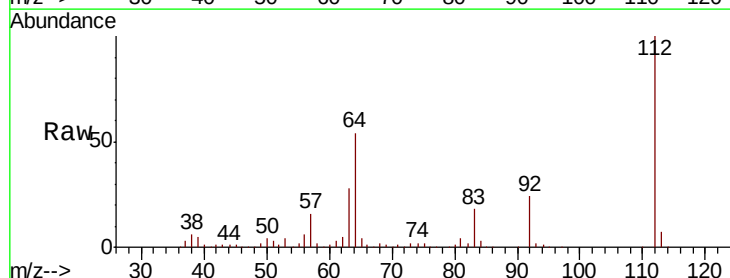
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



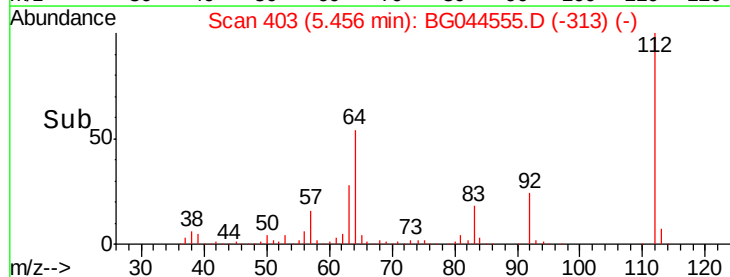
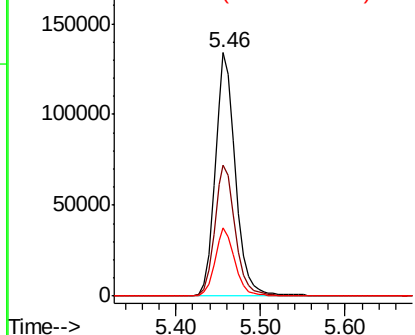
#5

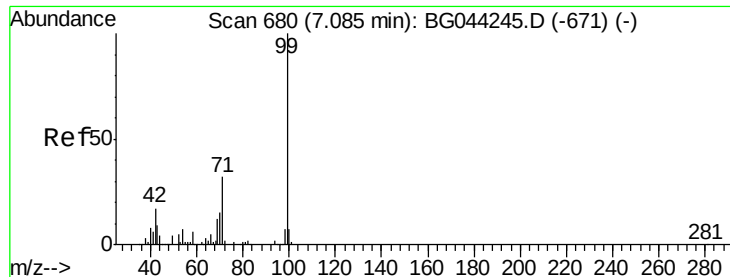
2-Fluorophenol
 Concen: 71.827 ng
 RT: 5.46 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: BG044555.D
 Acq: 21 Feb 2020 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	44.5	66.7
63	28.2	22.2	33.2



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: 49.301 ng

RT: 7.05 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG044555.D

Acq: 21 Feb 2020 18:55

Instrument :

BNA_G

ClientSampleId :

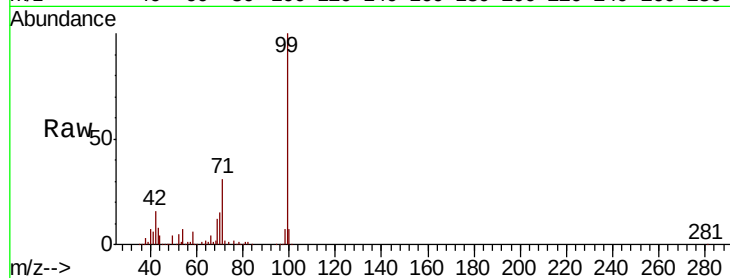
Tot Ion: 99 Resp: 207809

Ion Ratio Lower Upper

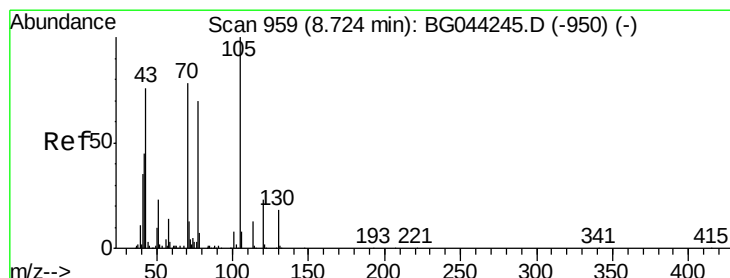
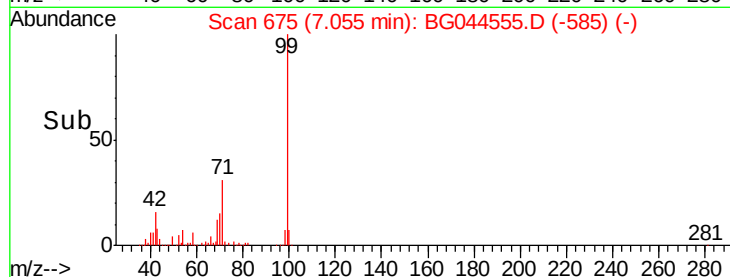
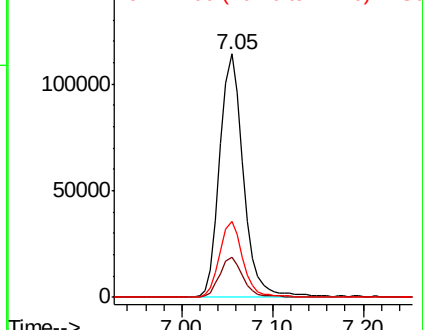
99 100

42 16.3 13.4 20.0

71 31.0 24.7 37.1



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: 16.592 ng

RT: 9.03 min Scan# 1012

Delta R.T. 0.35 min

Lab File: BG044555.D

Acq: 21 Feb 2020 18:55

Tgt Ion: 70 Resp: 46609

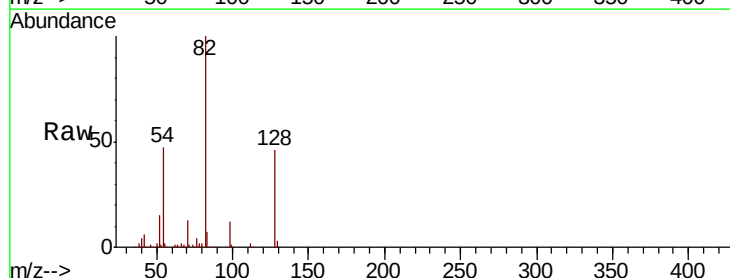
Ion Ratio Lower Upper

70 100

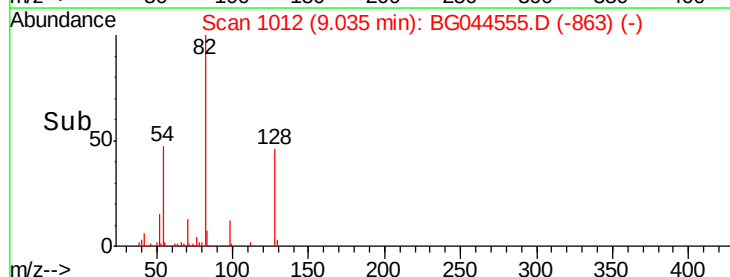
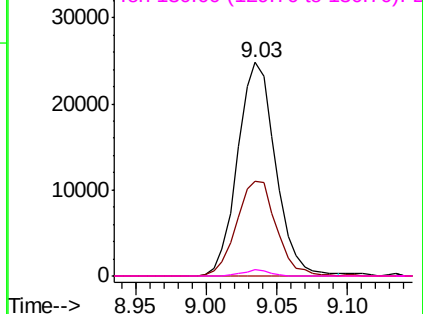
42 44.2 44.0 66.0

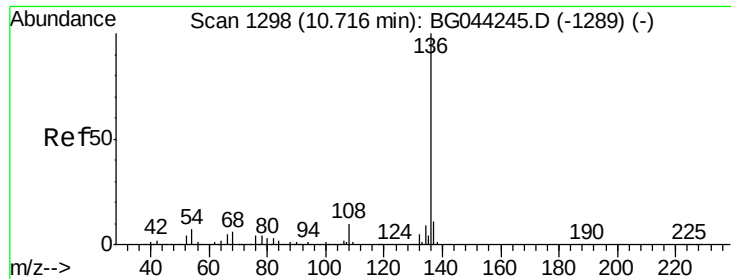
101 0.0 7.6 11.4#

130 2.7 18.2 27.2#



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

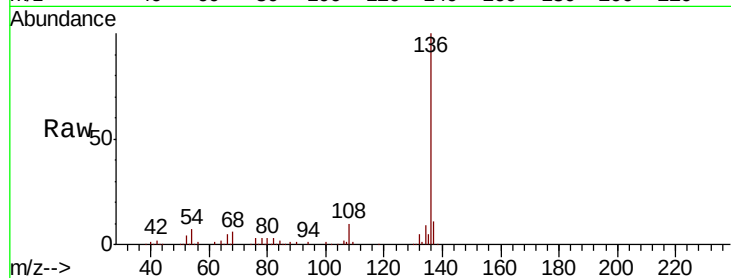




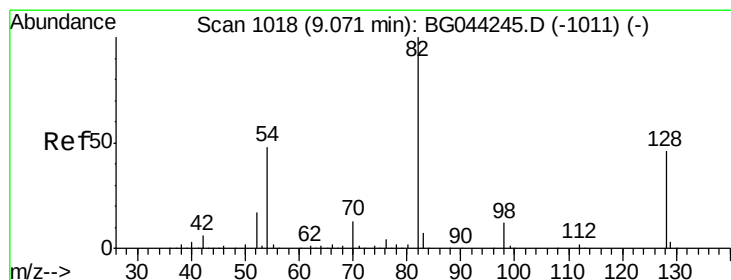
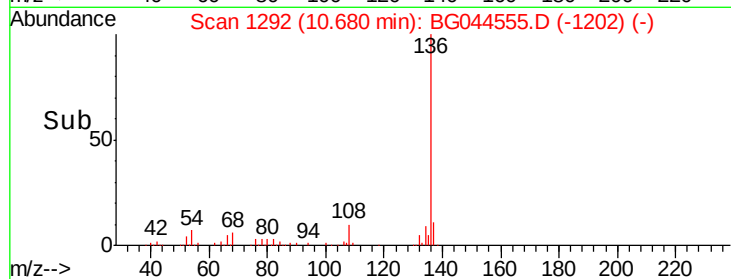
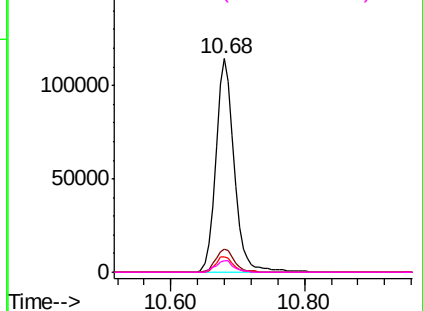
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.68 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	221901
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.0 13.6
54	7.0	5.5 8.3
68	5.6	4.6 6.8

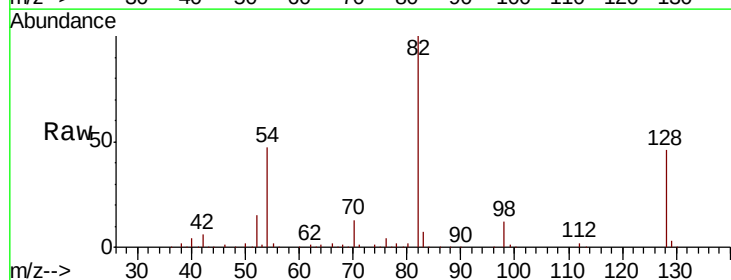


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

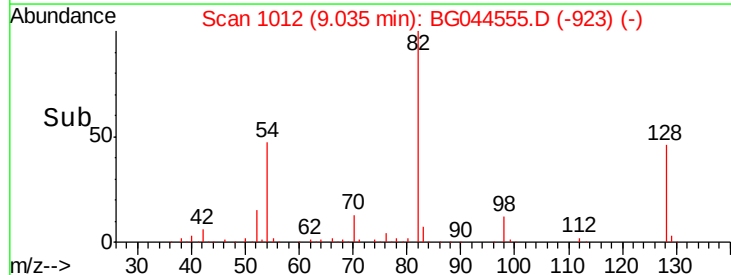
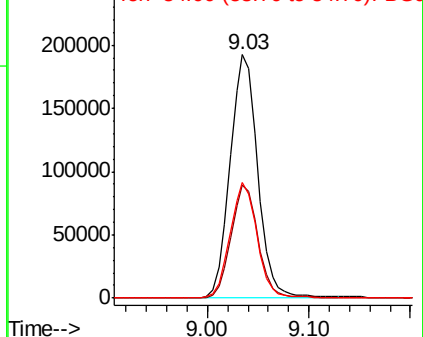


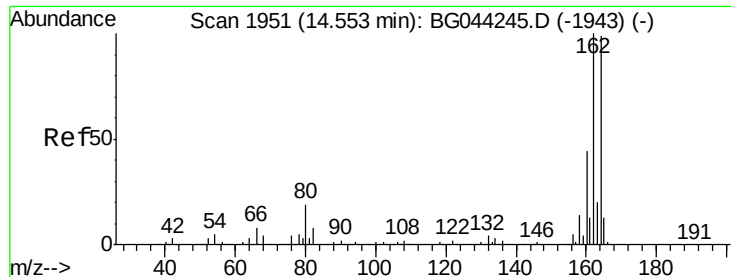
#23
Nitrobenzene-d5
Concen: 92.593 ng
RT: 9.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

Tgt Ion: 82	Resp:	363935
Ion	Ratio	Lower Upper
82	100	
128	46.4	39.1 58.7
54	47.3	37.9 56.9



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

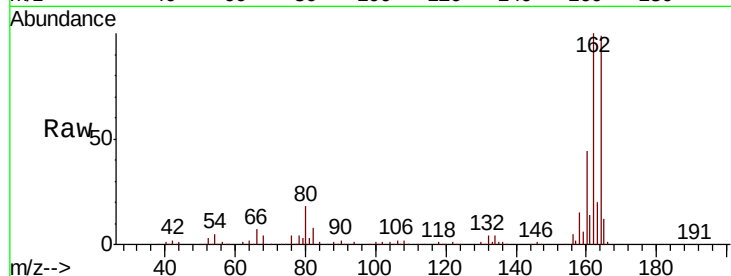




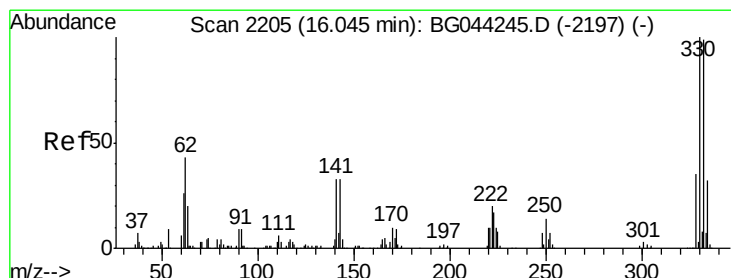
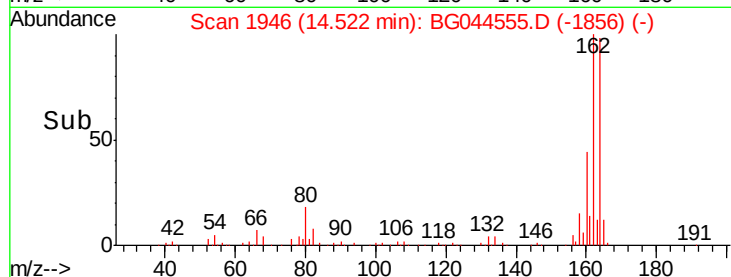
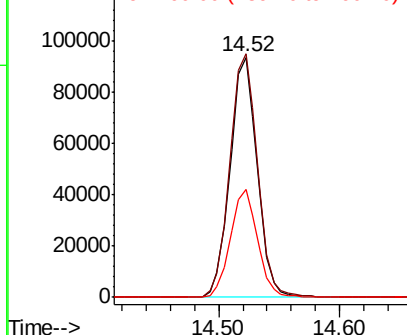
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.52 min Scan# 1946
Delta R.T. -0.00 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 146284
Ion Ratio Lower Upper
164 100
162 101.4 81.9 122.9
160 44.8 35.5 53.3

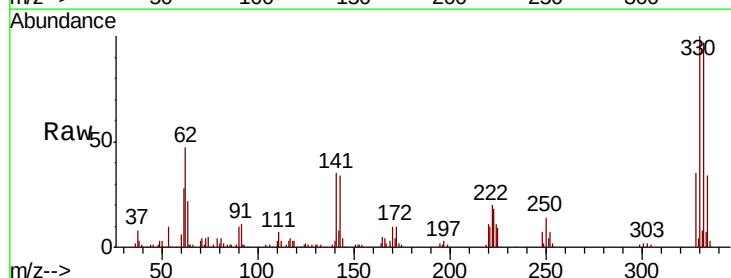


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

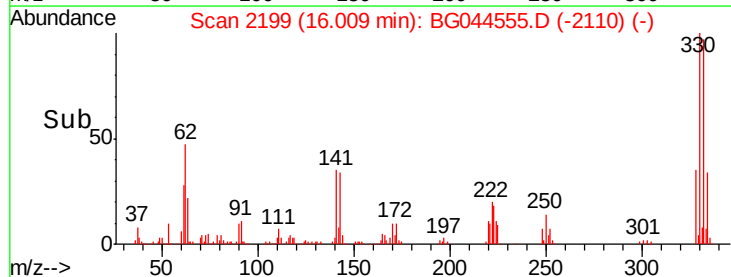
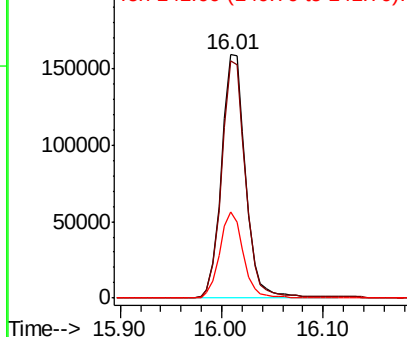


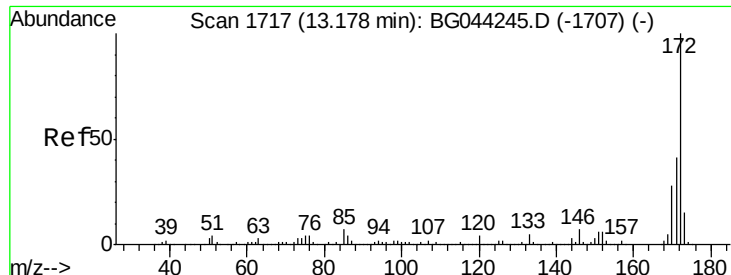
#42
2,4,6-Tribromophenol
Concen: 152.682 ng
RT: 16.01 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

Tgt Ion:330 Resp: 262200
Ion Ratio Lower Upper
330 100
332 97.2 76.6 115.0
141 34.8 26.5 39.7



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

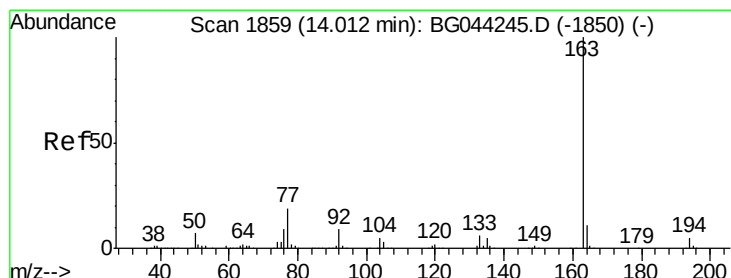
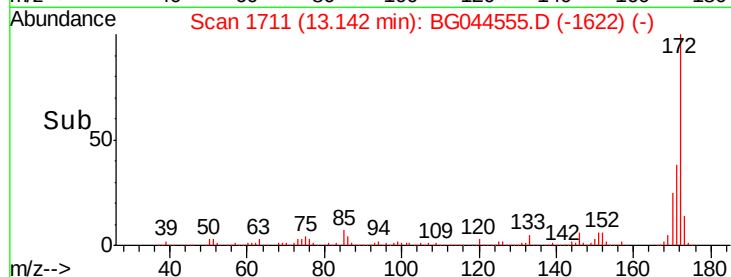
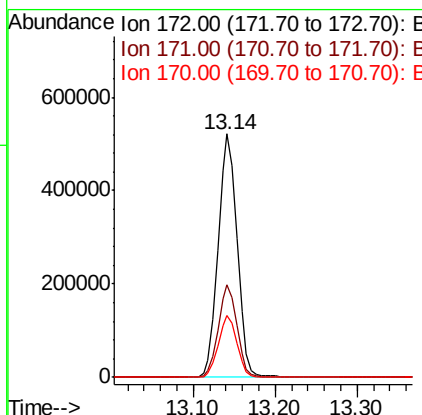
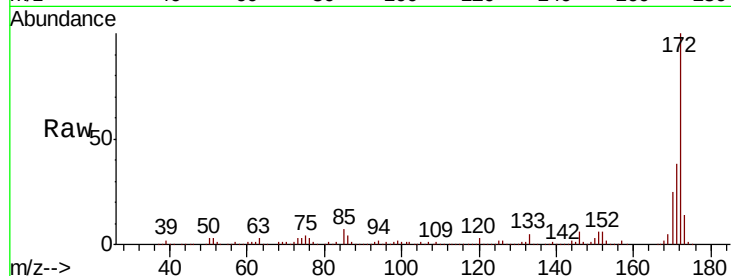




#45
2-Fluorobiphenyl
Concen: 97.046 ng
RT: 13.14 min Scan# 1711
Delta R.T. -0.01 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

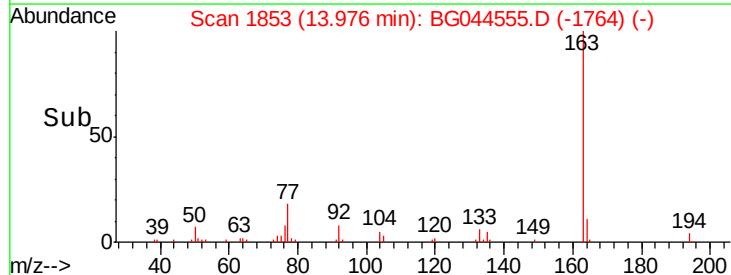
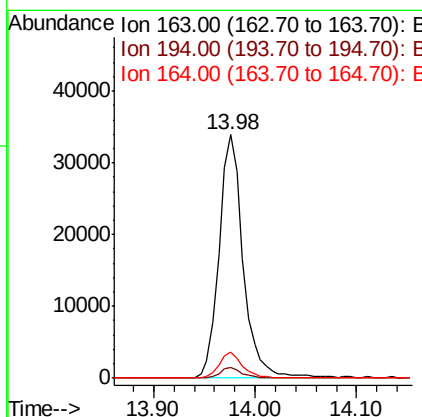
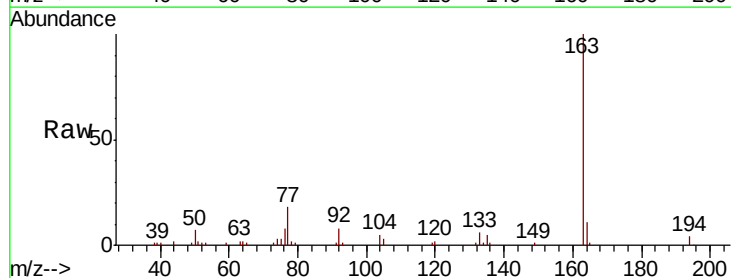
Instrument :
BNA_G
ClientSampleId :

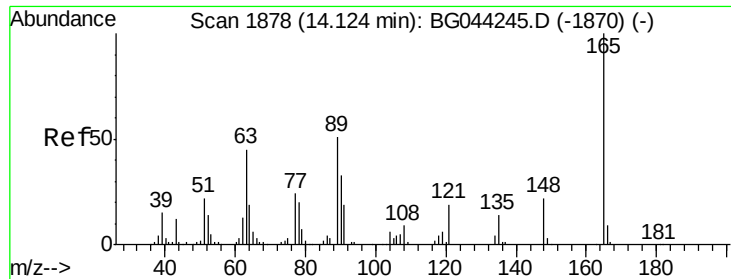
Tot Ion:172 Resp: 847763
Ion Ratio Lower Upper
172 100
171 38.1 32.3 48.5
170 25.5 21.6 32.4



#50
Dimethylphthalate
Concen: 5.325 ng
RT: 13.98 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

Tgt Ion:163 Resp: 55995
Ion Ratio Lower Upper
163 100
194 4.2 3.6 5.4
164 10.9 8.9 13.3

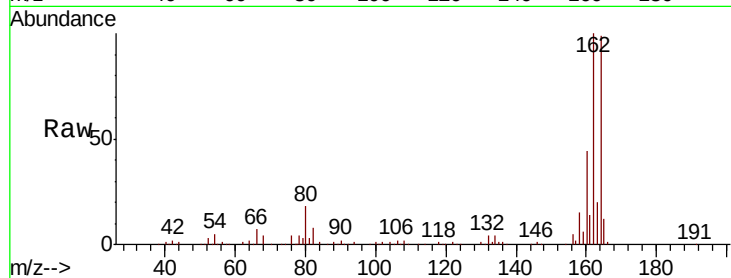




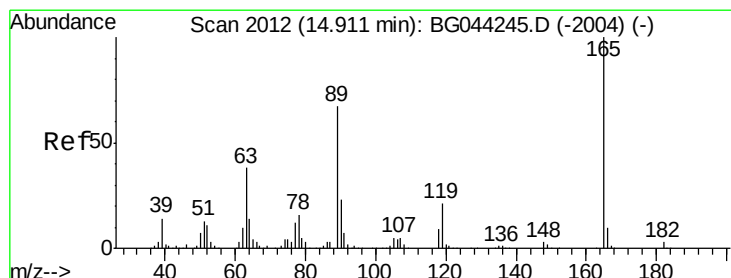
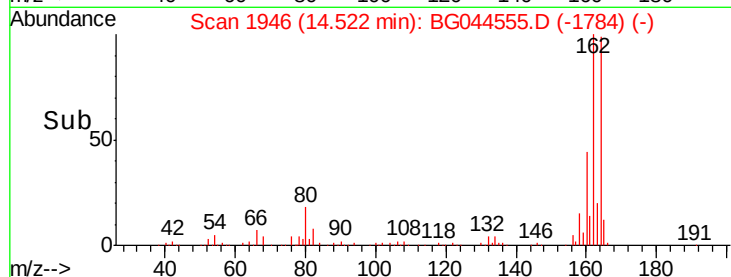
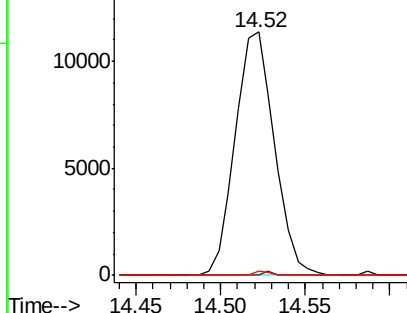
#51
 2,6-Dinitrotoluene
 Concen: 7.835 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. 0.42 min
 Lab File: BG044555.D
 Acq: 21 Feb 2020 18:55

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.6#
89	1.9	39.5	59.3#



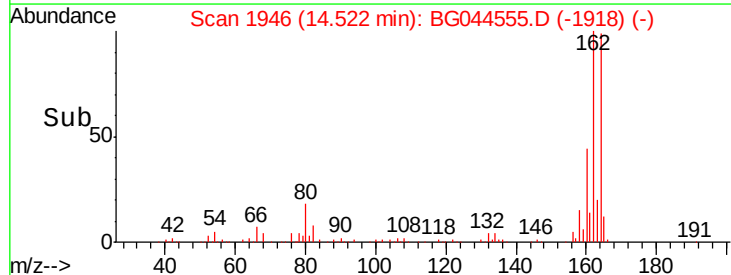
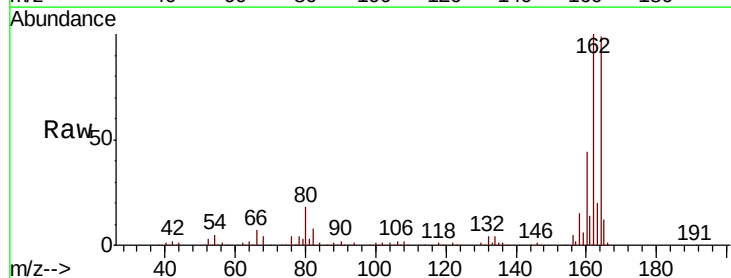
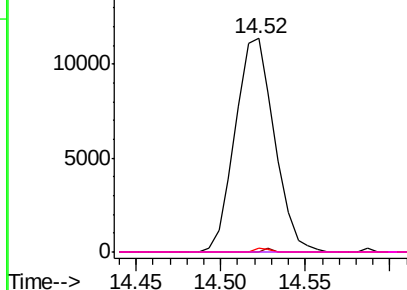
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

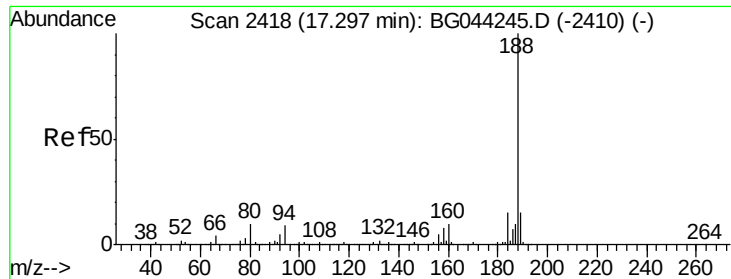


#57
 2,4-Dinitrotoluene
 Concen: 5.590 ng
 RT: 14.52 min Scan# 1946
 Delta R.T. -0.36 min
 Lab File: BG044555.D
 Acq: 21 Feb 2020 18:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	28.6	42.8#
89	1.9	50.7	76.1#
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

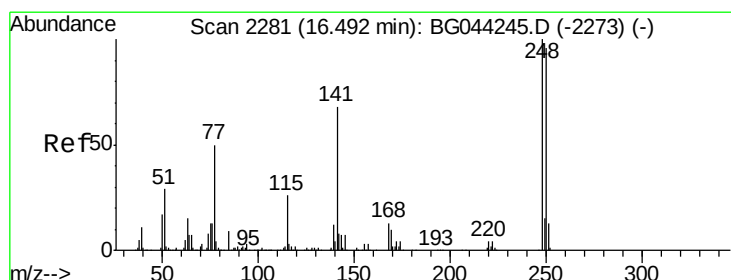
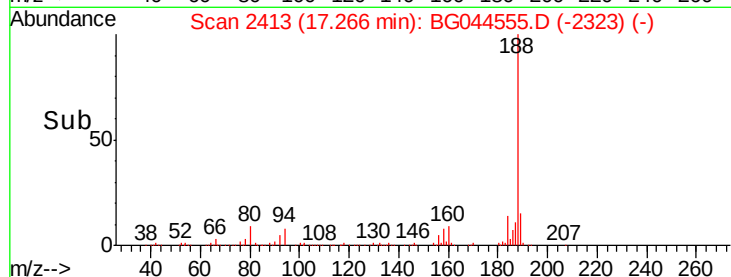
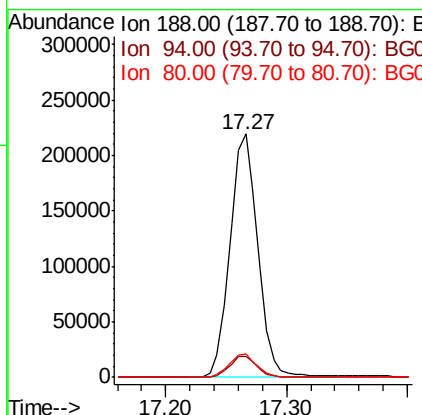
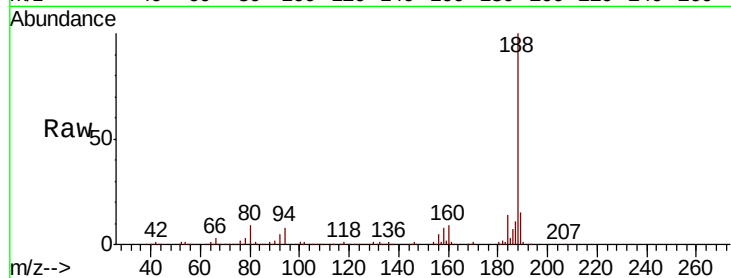




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.27 min Scan# 2413
 Delta R.T. -0.00 min
 Lab File: BG044555.D
 Acq: 21 Feb 2020 18:55

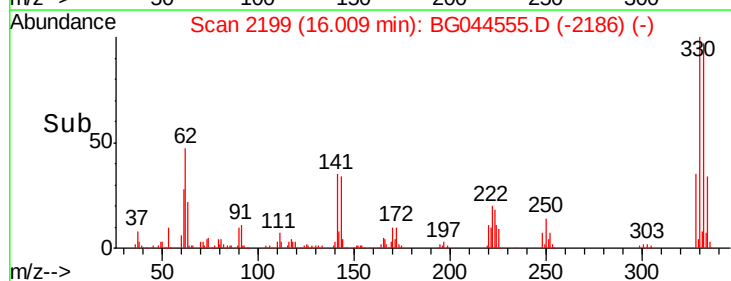
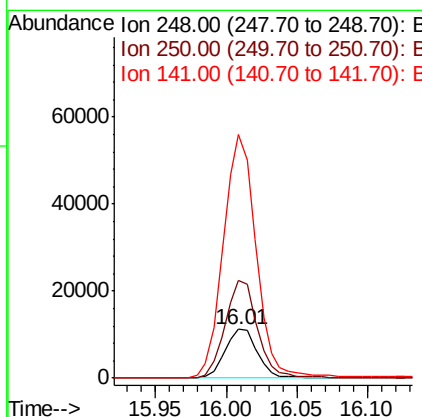
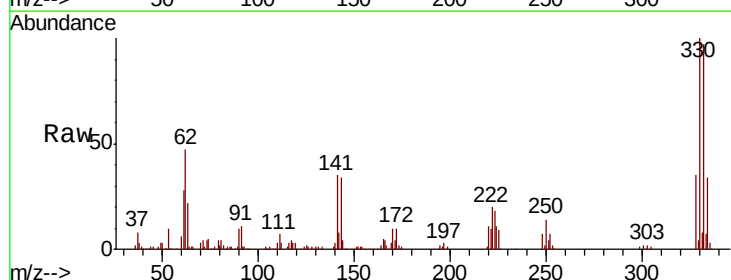
Instrument :
 BNA_G
 ClientSampled :

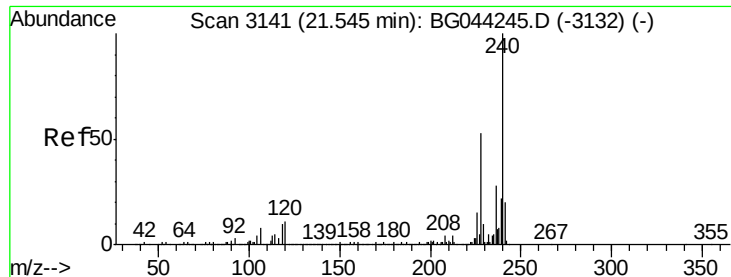
Tot Ion:188 Resp: 352491
 Ion Ratio Lower Upper
 188 100
 94 8.4 7.4 11.0
 80 9.4 7.8 11.6



#67
 4-Bromophenyl-phenylether
 Concen: 4.682 ng
 RT: 16.01 min Scan# 2199
 Delta R.T. -0.45 min
 Lab File: BG044555.D
 Acq: 21 Feb 2020 18:55

Tgt Ion:248 Resp: 17979
 Ion Ratio Lower Upper
 248 100
 250 199.9 76.8 115.2#
 141 498.2 50.0 75.0#

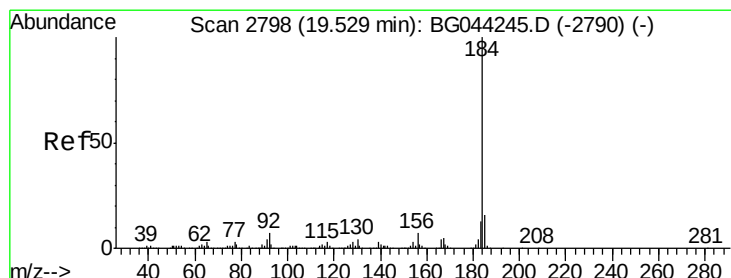
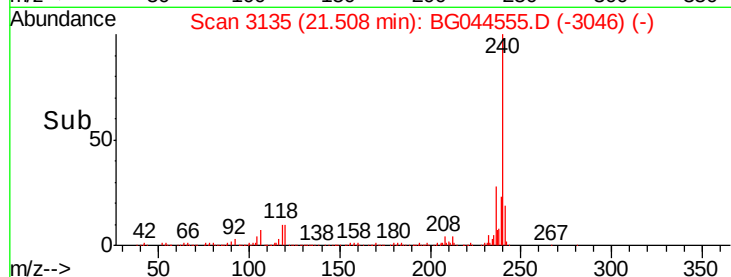
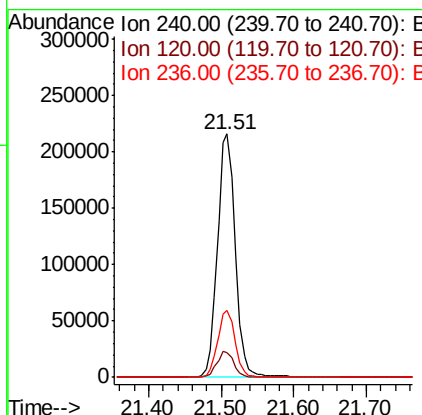
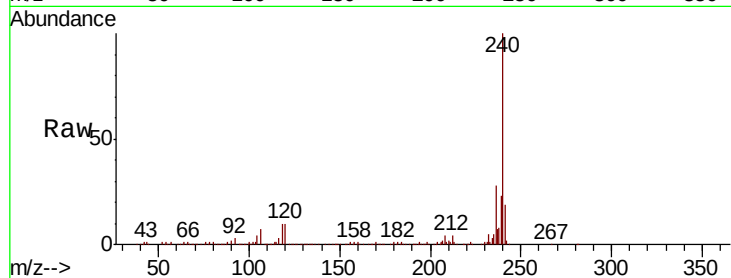




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.51 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

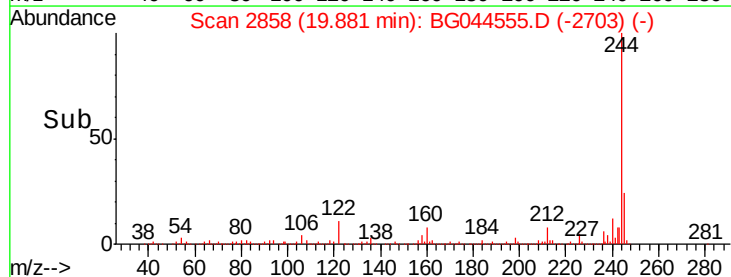
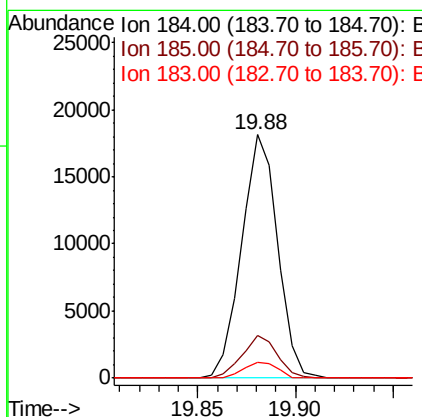
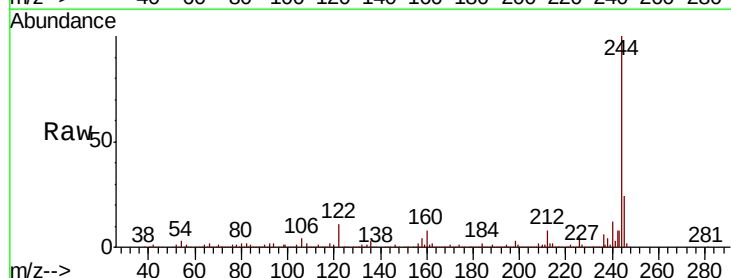
Instrument :
BNA_G
ClientSampled :

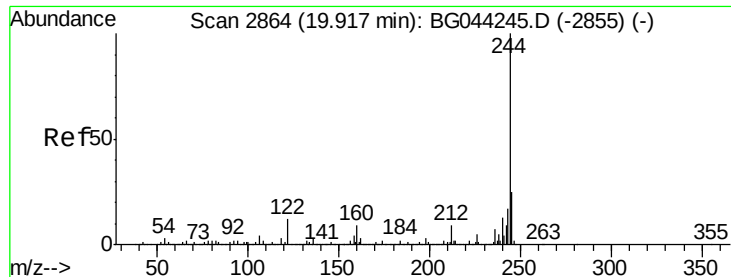
Tot Ion:240 Resp: 370314
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 27.6 22.0 33.0



#77
Benzidine
Concen: 2.255 ng
RT: 19.88 min Scan# 2858
Delta R.T. 0.38 min
Lab File: BG044555.D
Acq: 21 Feb 2020 18:55

Tgt Ion:184 Resp: 23164
Ion Ratio Lower Upper
184 100
185 17.7 13.0 19.4
183 6.3 11.0 16.4#





#79

Terphenyl-d14

Concen: 83.950 ng

RT: 19.88 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG044555.D

Acq: 21 Feb 2020 18:55

Instrument :

BNA_G

ClientSampleId :

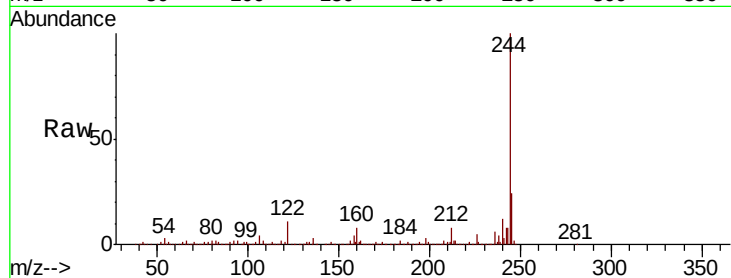
Tot Ion:244 Resp: 1511421

Ion Ratio Lower Upper

244 100

212 8.4 7.6 11.4

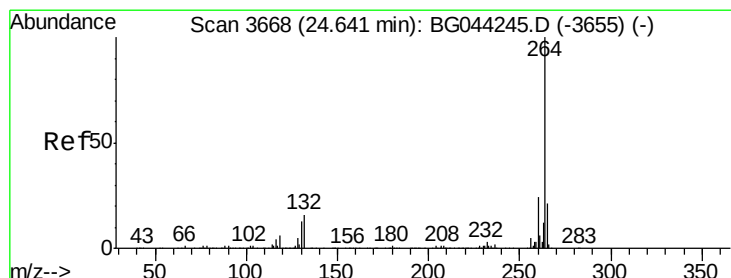
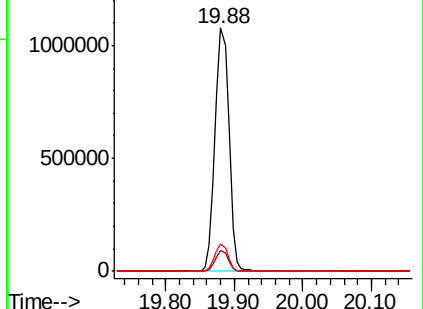
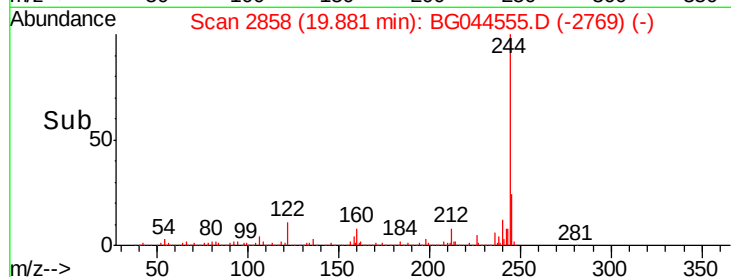
122 11.3 9.8 14.8



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: 24.58 min Scan# 3657

Delta R.T. -0.01 min

Lab File: BG044555.D

Acq: 21 Feb 2020 18:55

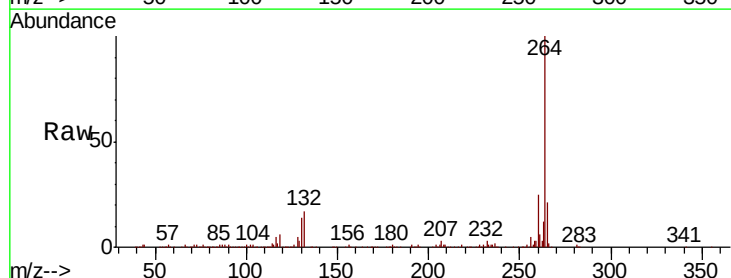
Tgt Ion:264 Resp: 417102

Ion Ratio Lower Upper

264 100

260 24.6 19.8 29.8

265 21.4 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

