

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031820\
 Data File : BG044898.D
 Acq On : 19 Mar 2020 14:58
 Operator : CG/JU
 Sample : L1948-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 19 15:42:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 16 17:37:15 2020
 Response via : Initial Calibration

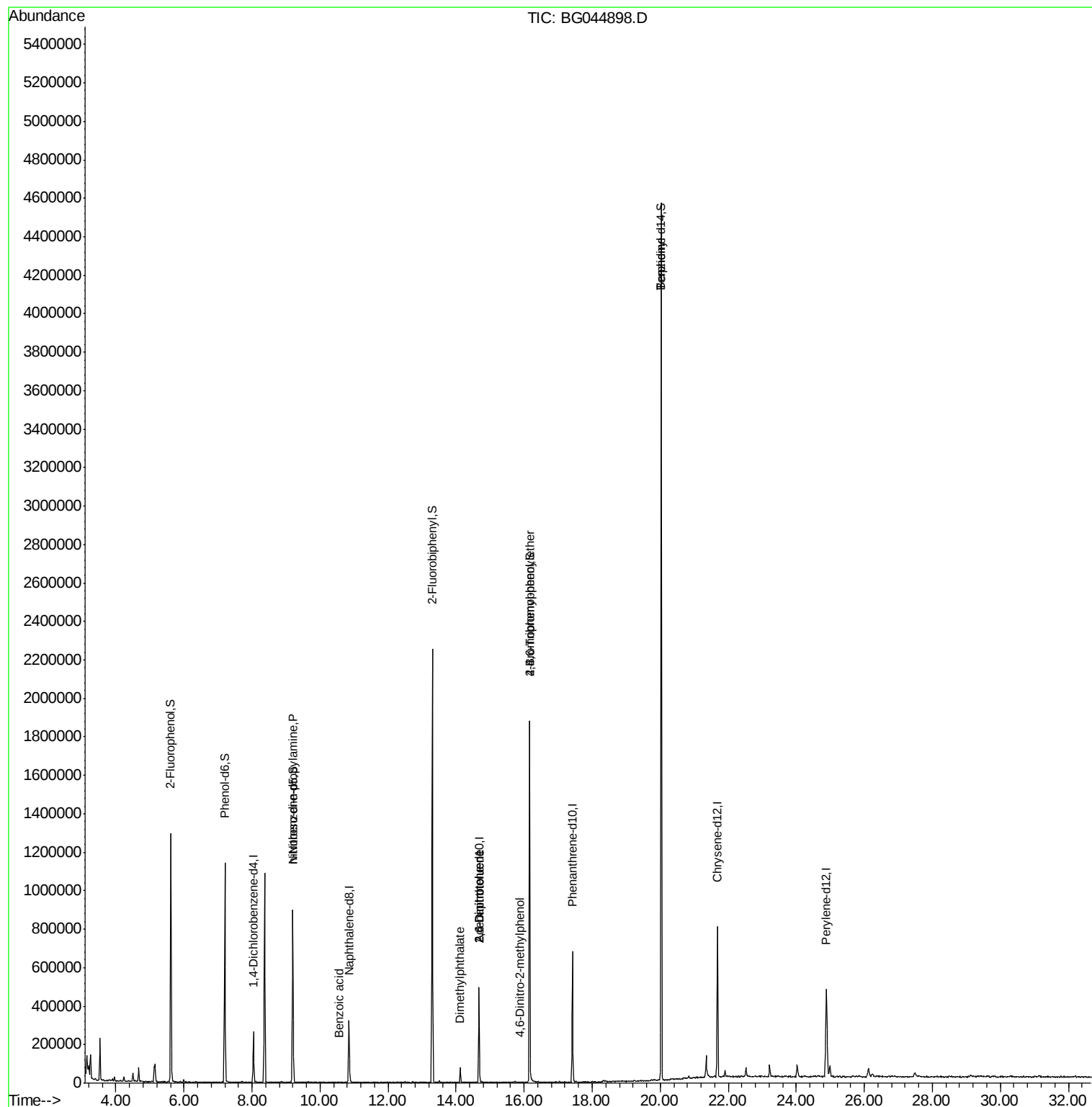
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	75032	20.00	ng	-0.01
21) Naphthalene-d8	10.85	136	278636	20.00	ng	-0.01
39) Acenaphthene-d10	14.67	164	179945	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	417371	20.00	ng	-0.01
76) Chrysene-d12	21.68	240	475039	20.00	ng	-0.02
87) Perylene-d12	24.88	264	506405	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	555504	115.25	ng	0.00
7) Phenol-d6	7.20	99	681625	97.33	ng	0.00
23) Nitrobenzene-d5	9.20	82	578374	91.09	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	373733	158.62	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1182752	94.13	ng	0.00
79) Terphenyl-d14	20.03	244	2137942	84.19	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	1768	Below Cal		Qvalue # 31
19) n-Nitroso-di-n-propylamine	9.20	70	78233	15.821	ng	# 77
32) Benzoic acid	10.58	122	61	9.685	ng	# 1
50) Dimethylphthalate	14.12	163	48031	3.351	ng	# 99
51) 2,6-Dinitrotoluene	14.67	165	23040	7.976	ng	# 22
57) 2,4-Dinitrotoluene	14.67	165	23040	5.815	ng	# 22
65) 4,6-Dinitro-2-methylphenol	15.88	198	66	7.756	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	25719	4.929	ng	# 1
77) Benzidine	20.03	184	43065	2.793	ng	# 91

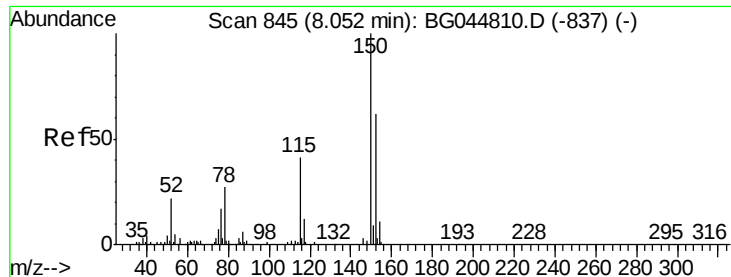
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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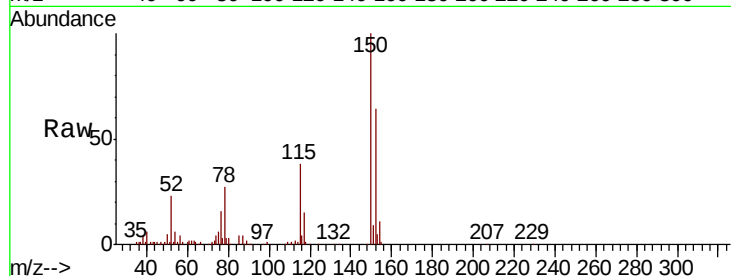


#1

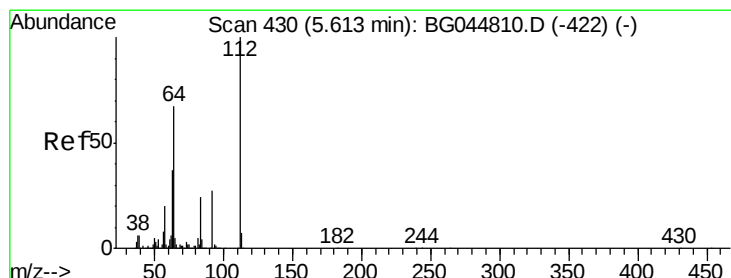
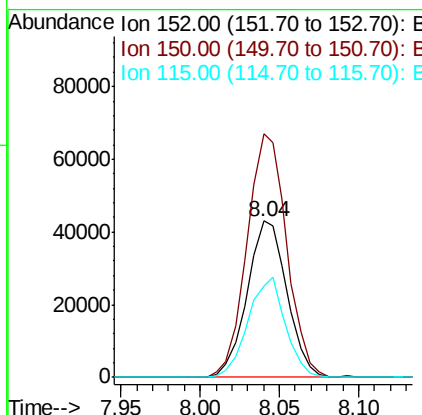
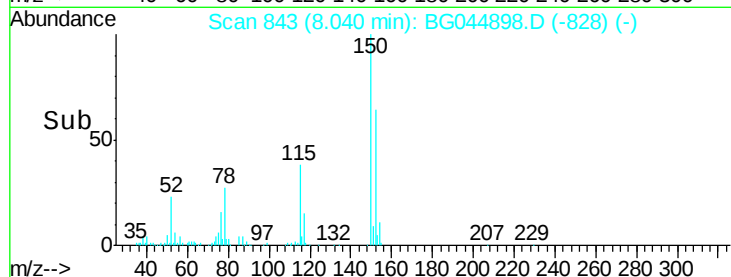
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 843
Delta R.T. -0.01 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion	152	Resp	75032
Ion Ratio	Lower	Upper	
152	100		
150	156.0	128.8	193.2
115	58.8	52.6	79.0



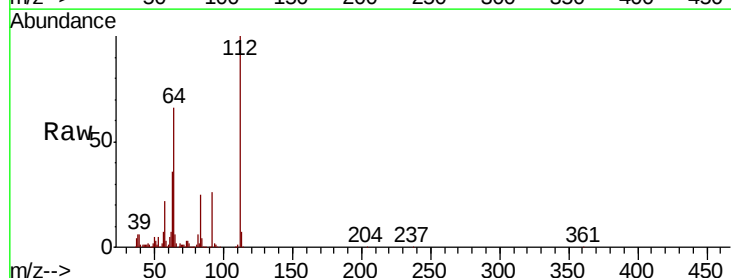
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



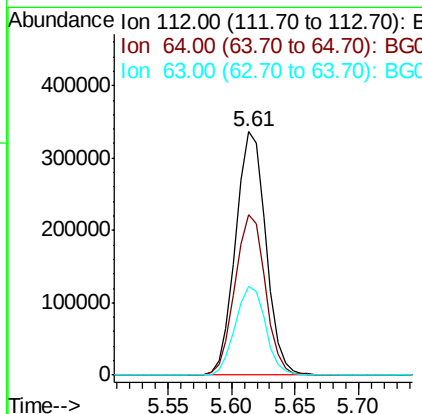
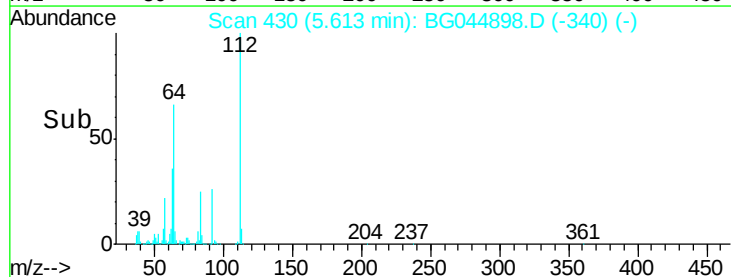
#5

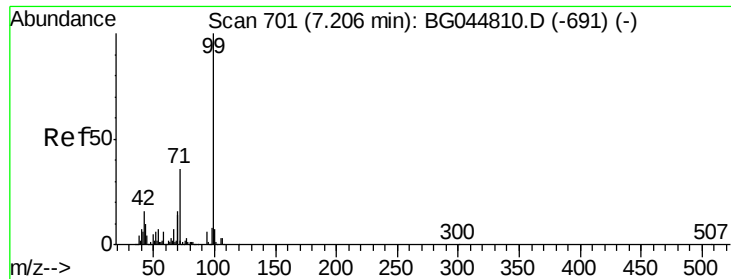
2-Fluorophenol
Concen: 115.251 ng
RT: 5.61 min Scan# 430
Delta R.T. -0.00 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

Tgt Ion	112	Resp	555504
Ion Ratio	Lower	Upper	
112	100		
64	65.7	53.4	80.2
63	36.3	29.4	44.2



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 97.332 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044898.D

Acq: 19 Mar 2020 14:58

Instrument :

BNA_N

ClientSampleId :

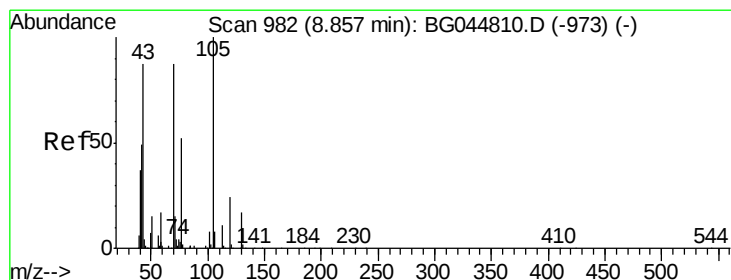
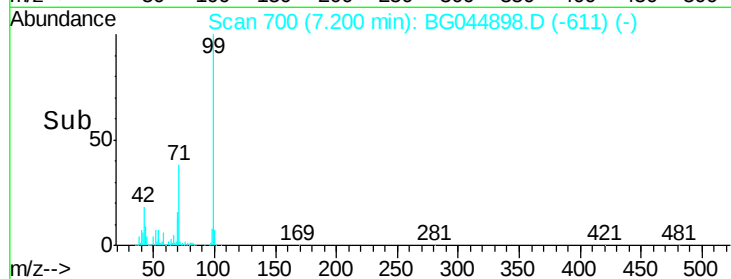
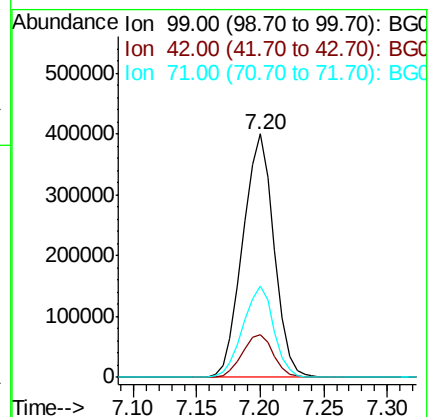
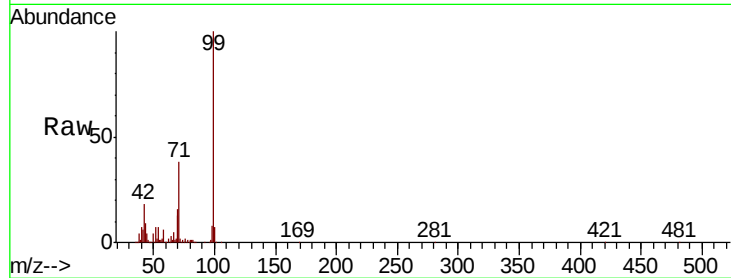
Tot Ion: 99 Resp: 681625

Ion Ratio Lower Upper

99 100

42 17.6 12.6 19.0

71 37.6 29.0 43.4



#19

n-Nitroso-di-n-propylamine

Concen: 15.821 ng

RT: 9.20 min Scan# 1040

Delta R.T. 0.34 min

Lab File: BG044898.D

Acq: 19 Mar 2020 14:58

Tgt Ion: 70 Resp: 78233

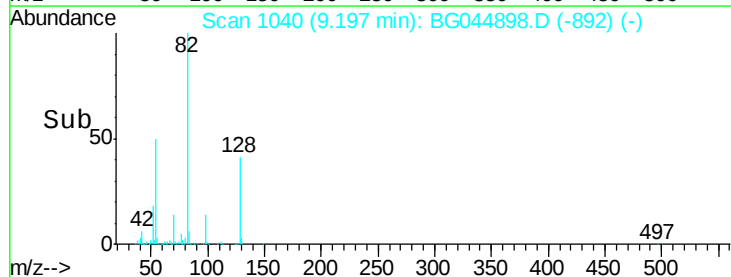
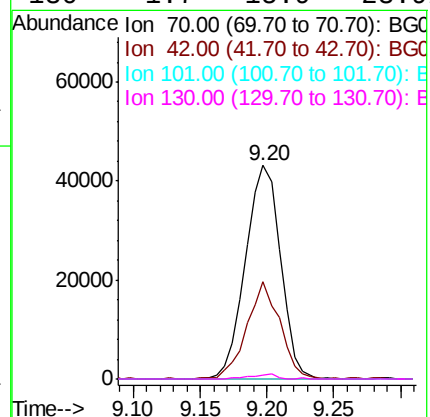
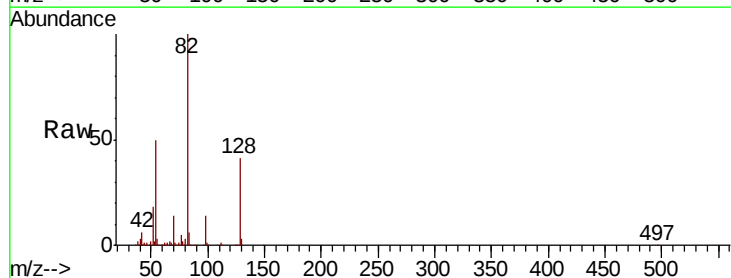
Ion Ratio Lower Upper

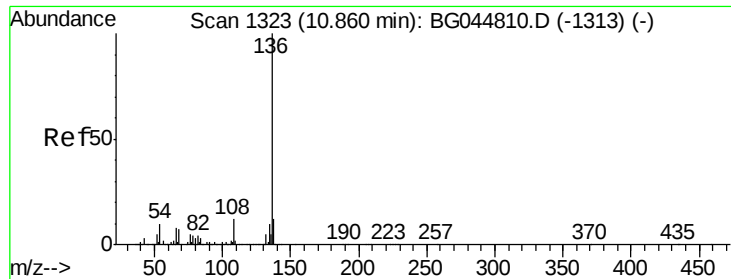
70 100

42 45.3 45.7 68.5#

101 0.0 7.4 11.2#

130 1.7 15.9 23.9#

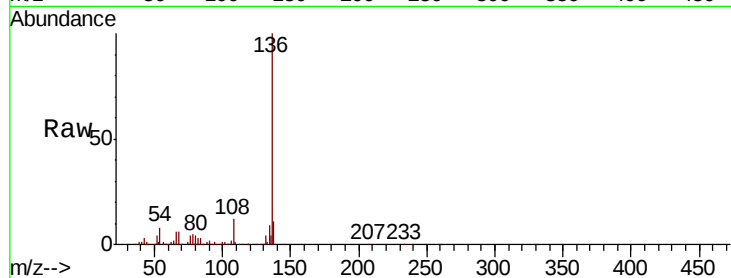




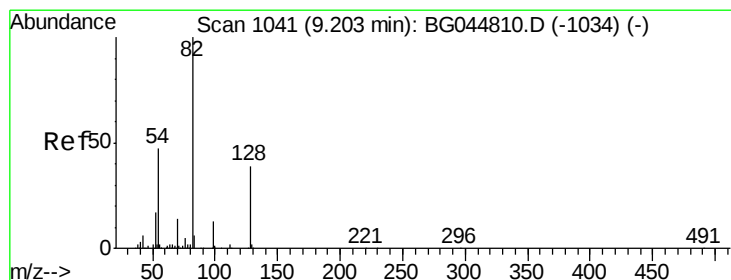
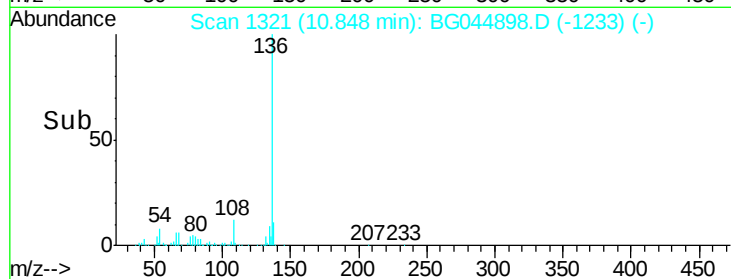
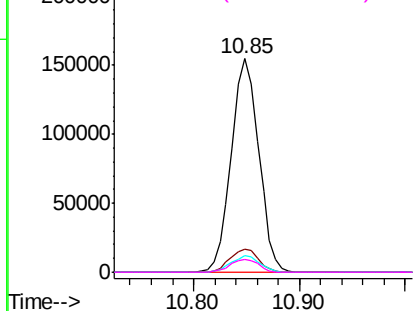
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	278636
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.8 14.6
54	7.9	7.9 11.9#
68	6.0	5.4 8.0

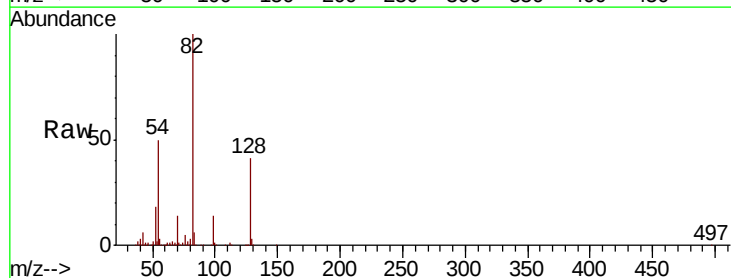


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

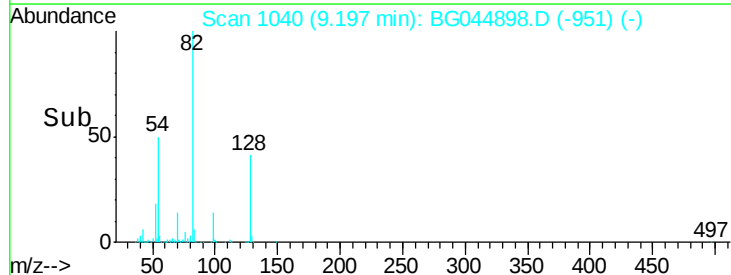
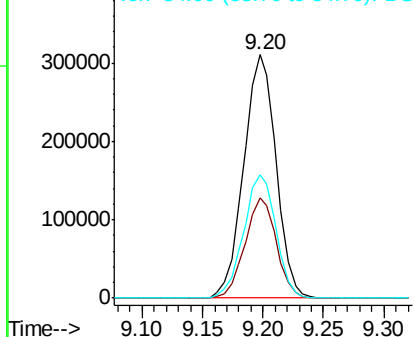


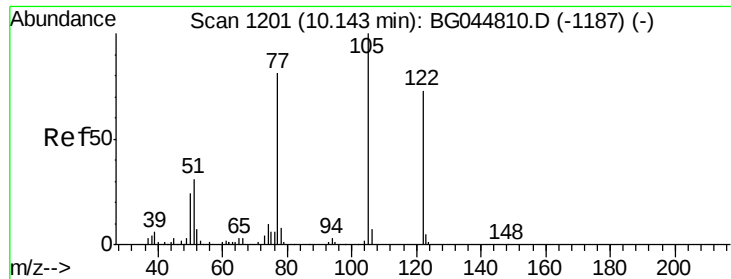
#23
Nitrobenzene-d5
Concen: 91.086 ng
RT: 9.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

Tgt Ion: 82	Resp:	578374
Ion Ratio	Lower	Upper
82	100	
128	41.3	30.6 46.0
54	50.5	37.1 55.7



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

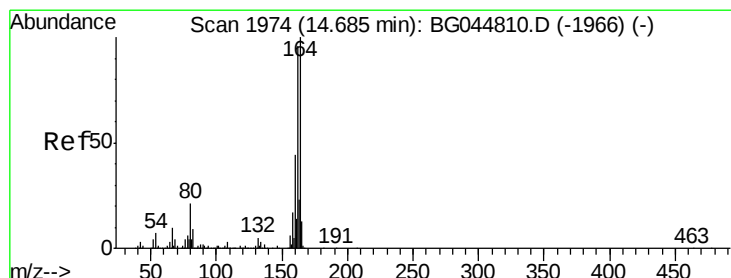
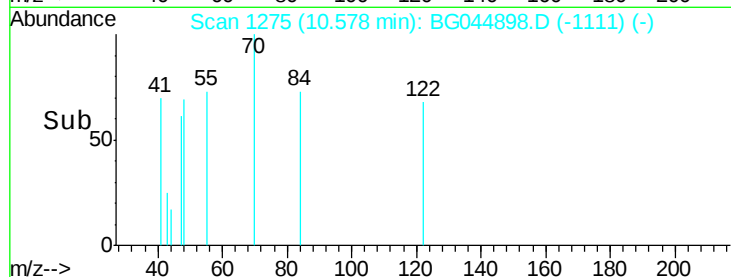
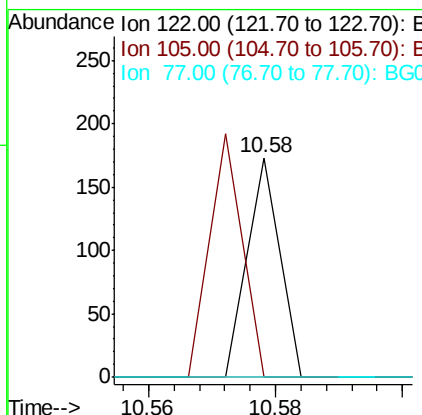
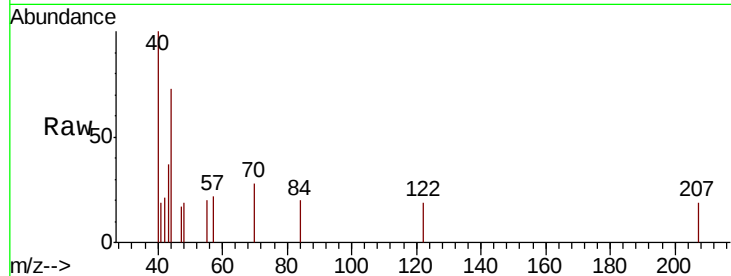




#32
Benzoic acid
Concen: 9.685 ng
RT: 10.58 min Scan# 1275
Delta R.T. 0.43 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

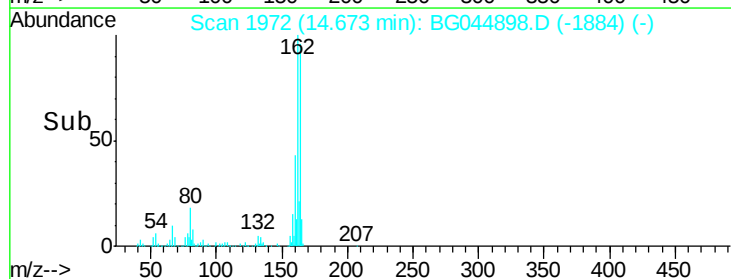
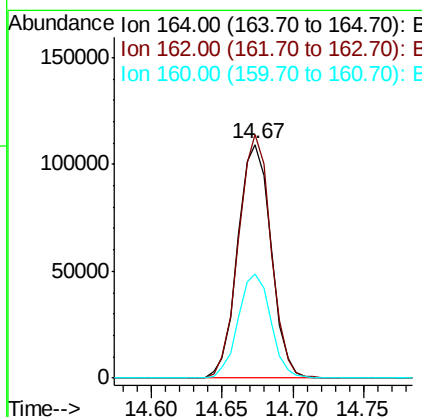
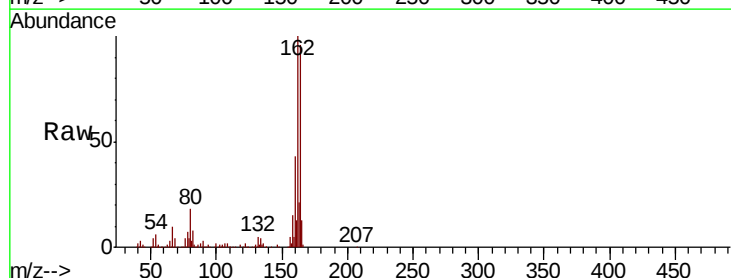
Instrument :
BNA_N
ClientSampleId :

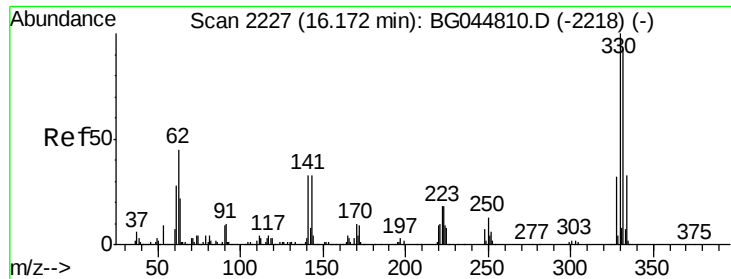
Tot Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 0.0 109.1 149.1#
77 0.0 85.3 125.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.01 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

Tgt Ion:164 Resp: 179945
Ion Ratio Lower Upper
164 100
162 104.2 76.7 115.1
160 44.7 35.0 52.4

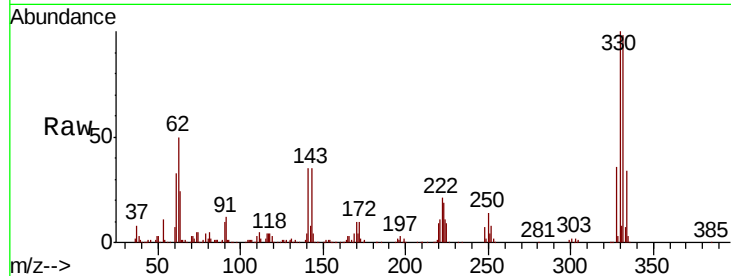




#42
2,4,6-Tribromophenol
Concen: 158.623 ng
RT: 16.16 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.8	116.6
141	35.7	29.5	44.3

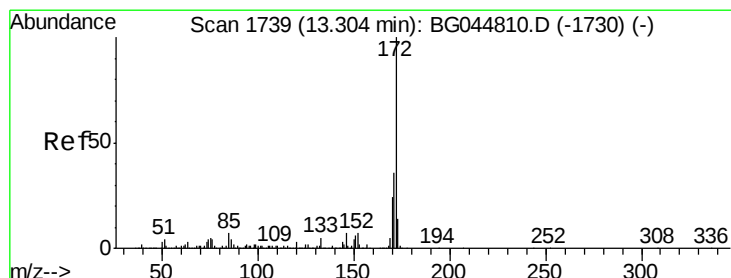
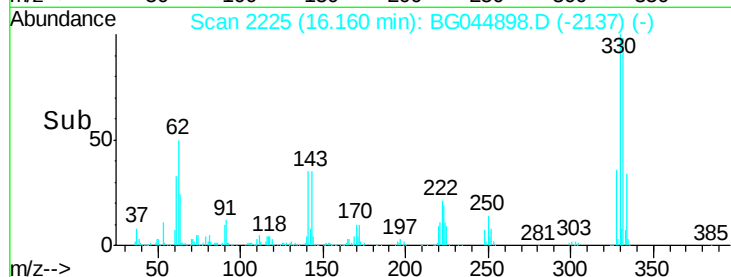
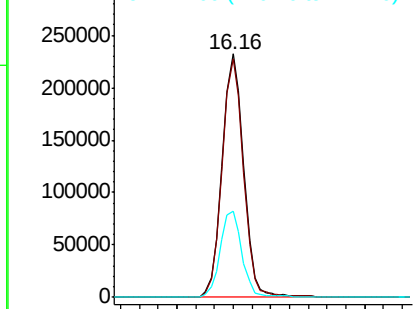


Abundance

Ion 329.80 (329.50 to 330.50): E

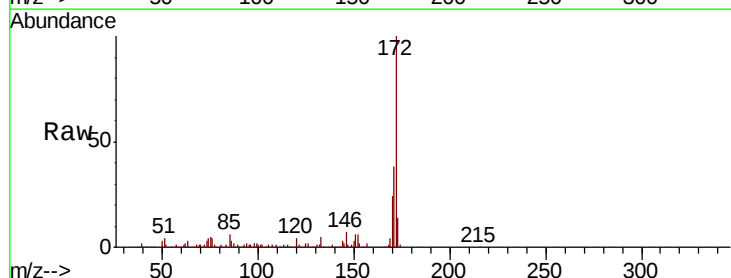
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 94.125 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.01 min
Lab File: BG044898.D
Acq: 19 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.7	43.1
170	24.4	19.0	28.6

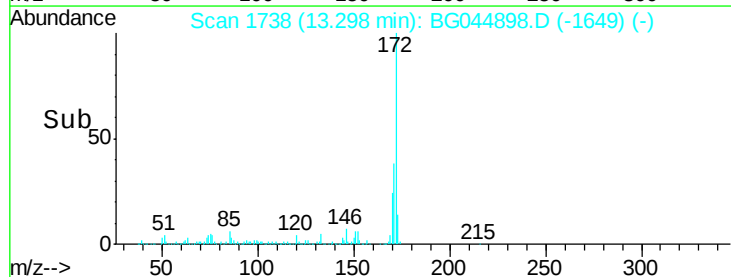
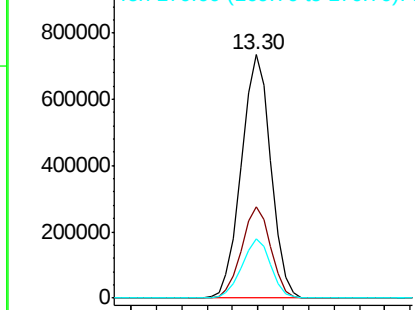


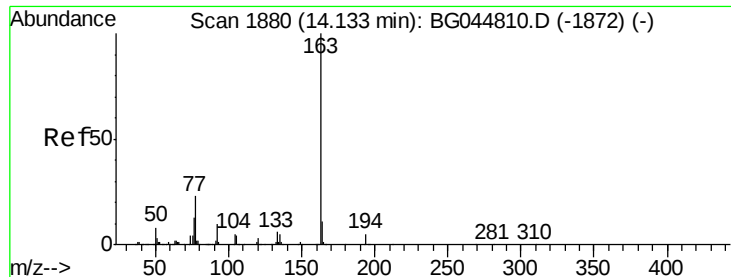
Abundance

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: 3.351 ng

RT: 14.12 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BG044898.D

Acq: 19 Mar 2020 14:58

Instrument :

BNA_N

ClientSampleId :

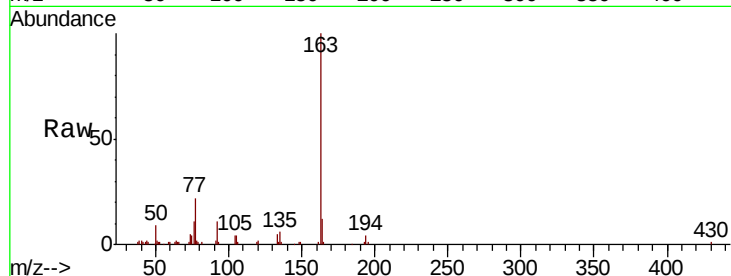
Tot Ion:163 Resp: 48031

Ion Ratio Lower Upper

163 100

194 4.3 3.7 5.5

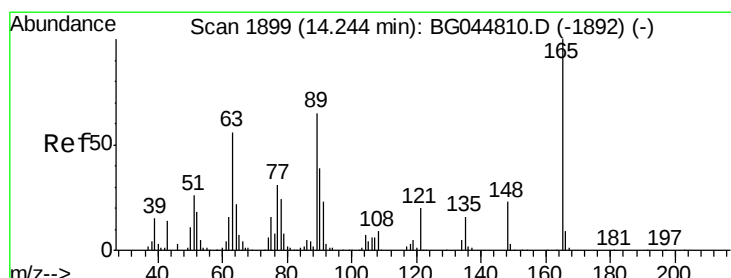
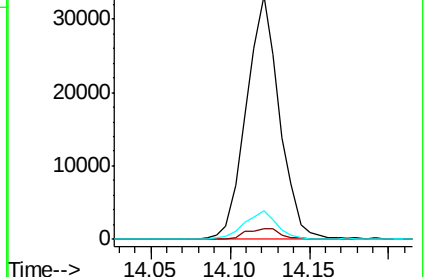
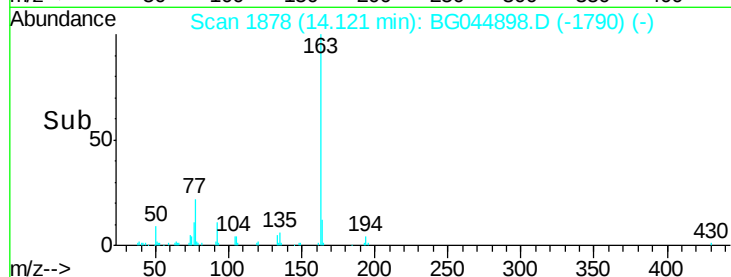
164 12.0 9.1 13.7



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: 7.976 ng

RT: 14.67 min Scan# 1972

Delta R.T. 0.43 min

Lab File: BG044898.D

Acq: 19 Mar 2020 14:58

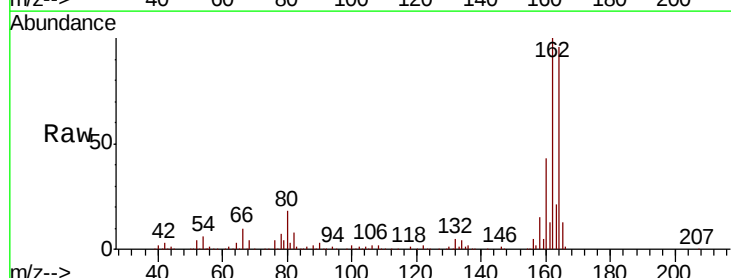
Tgt Ion:165 Resp: 23040

Ion Ratio Lower Upper

165 100

63 1.4 45.8 68.8#

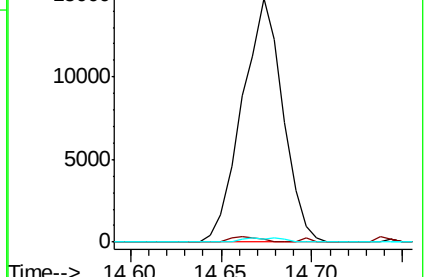
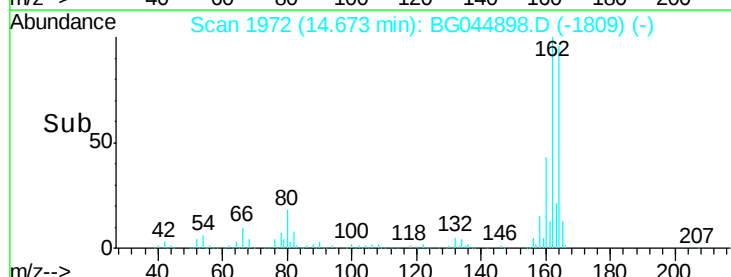
89 1.4 51.8 77.6#

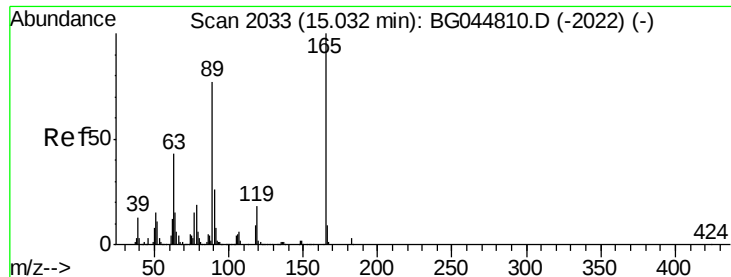


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

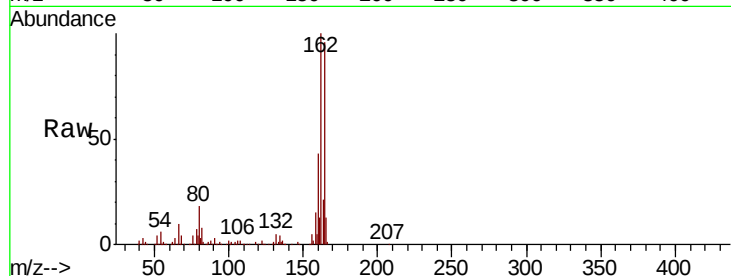




#57
 2,4-Dinitrotoluene
 Concen: 5.815 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044898.D
 Acq: 19 Mar 2020 14:58

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.6	52.0#
89	1.4	61.3	91.9#
182	0.0	2.2	3.2#

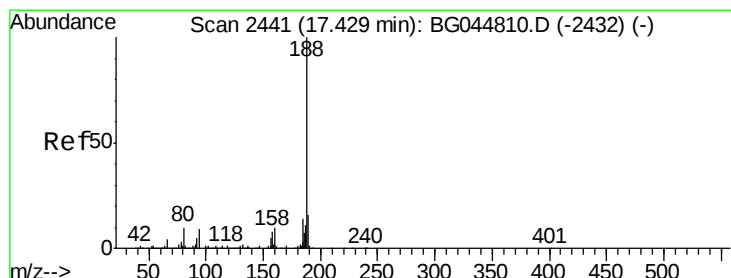
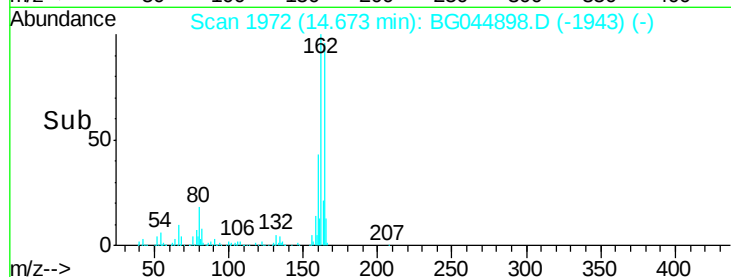
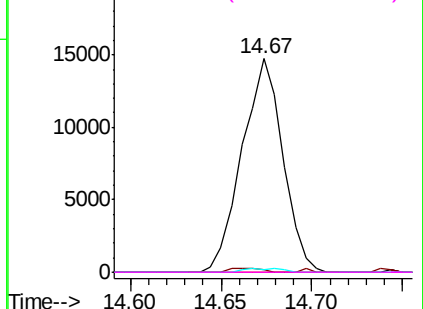


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

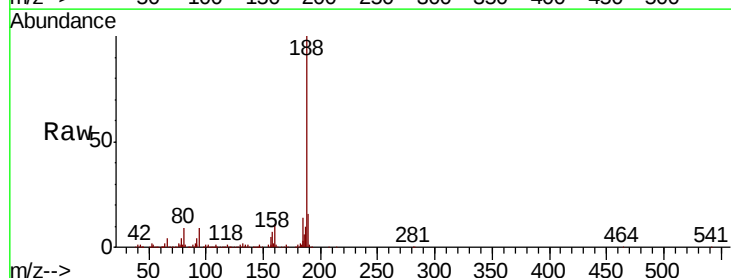
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. -0.01 min
 Lab File: BG044898.D
 Acq: 19 Mar 2020 14:58

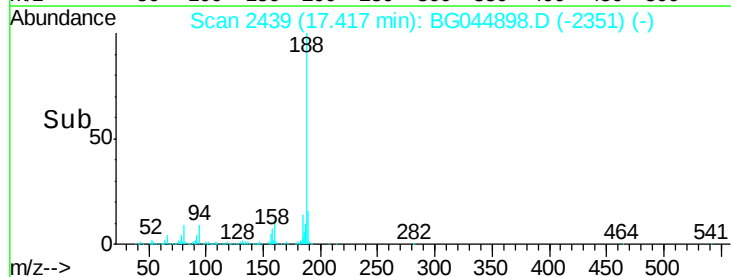
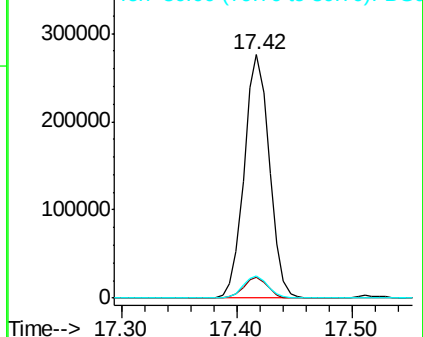
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	7.3	10.9
80	9.2	8.0	12.0

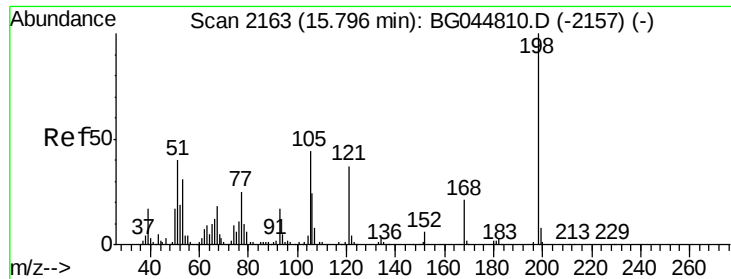


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

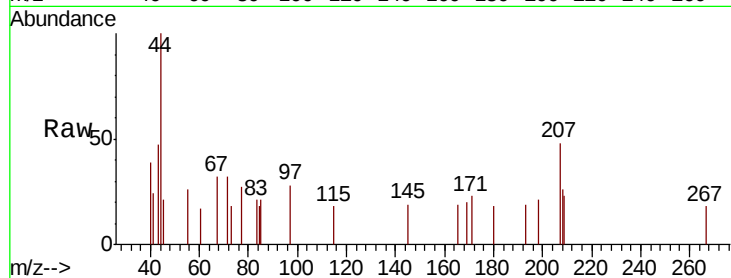




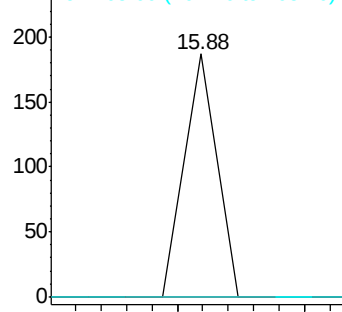
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.756 ng
 RT: 15.88 min Scan# 2178
 Delta R.T. 0.09 min
 Lab File: BG044898.D
 Acq: 19 Mar 2020 14:58

Instrument :
 BNA_N
 ClientSampled :

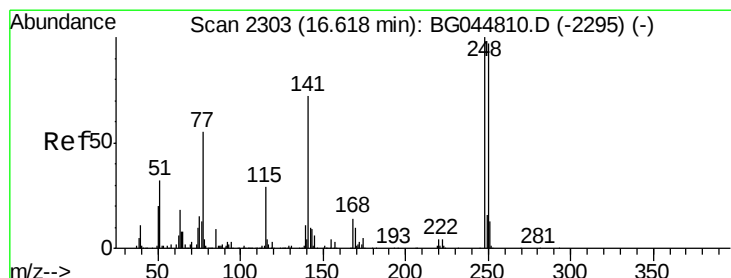
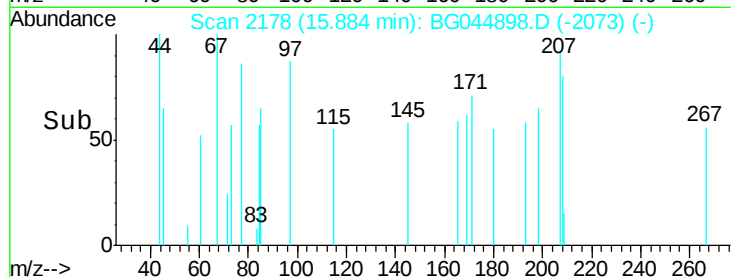
Tot Ion:198 Resp: 66
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

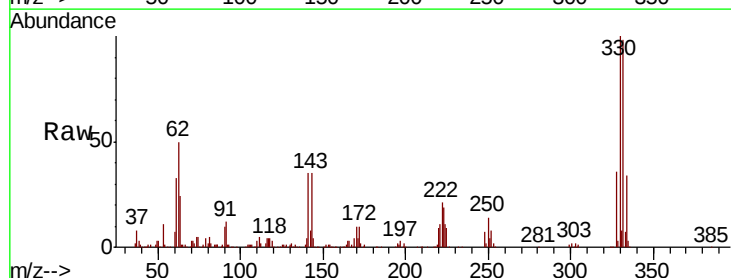


Time-->

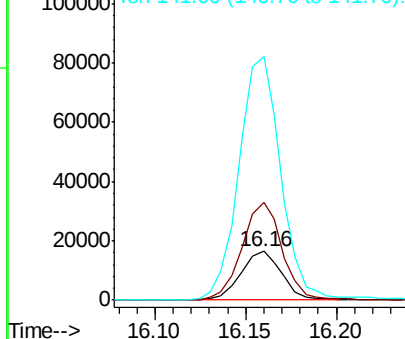


#67
 4-Bromophenyl-phenylether
 Concen: 4.929 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044898.D
 Acq: 19 Mar 2020 14:58

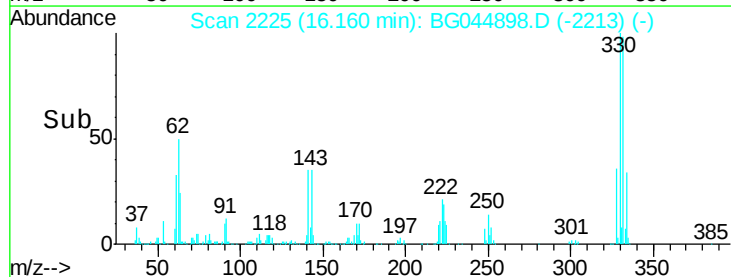
Tgt Ion:248 Resp: 25719
 Ion Ratio Lower Upper
 248 100
 250 200.7 77.9 116.9#
 141 498.4 57.5 86.3#

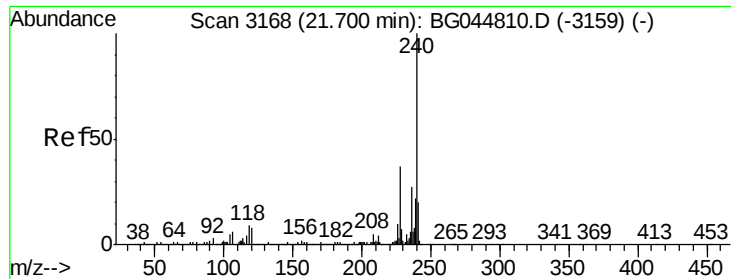


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

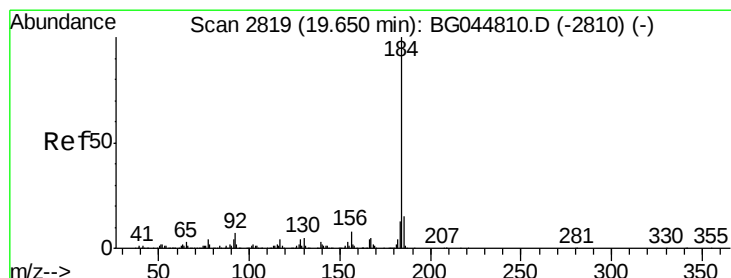
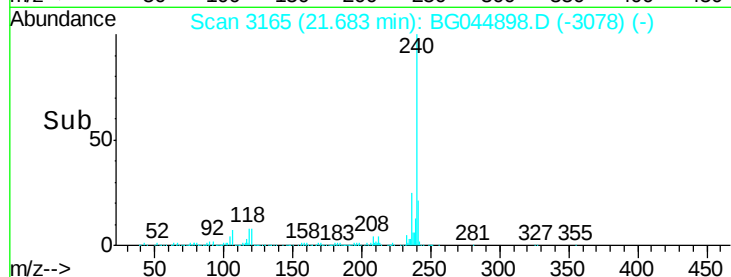
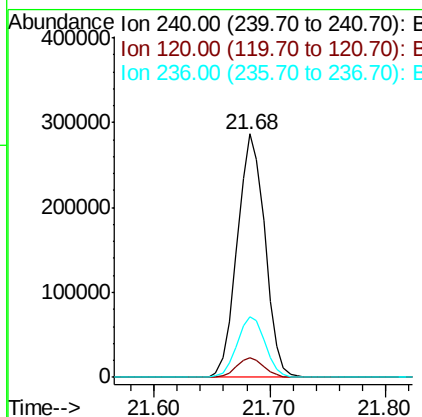
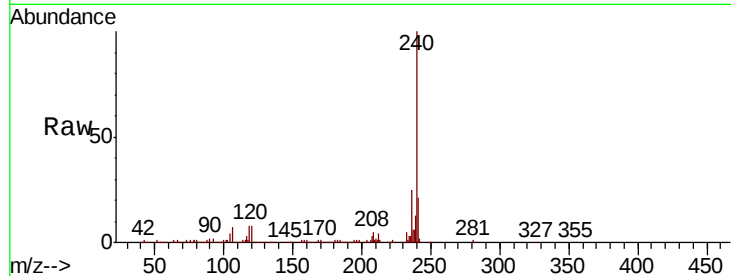




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.68 min Scan# 3165
 Delta R.T. -0.02 min
 Lab File: BG044898.D
 Acq: 19 Mar 2020 14:58

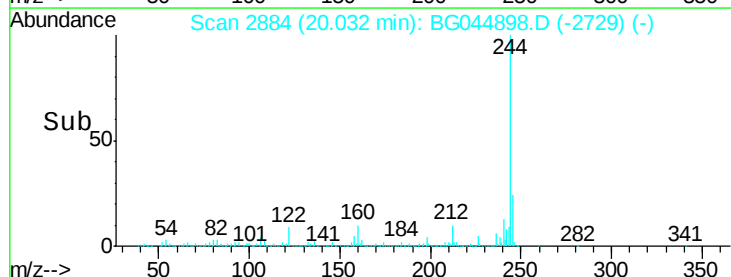
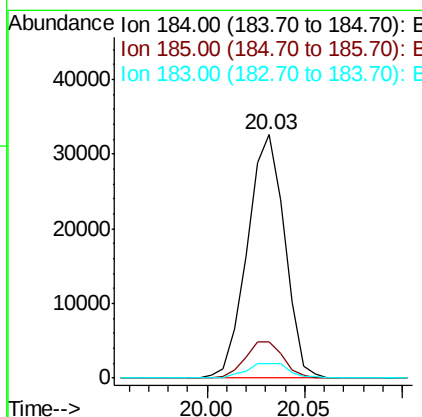
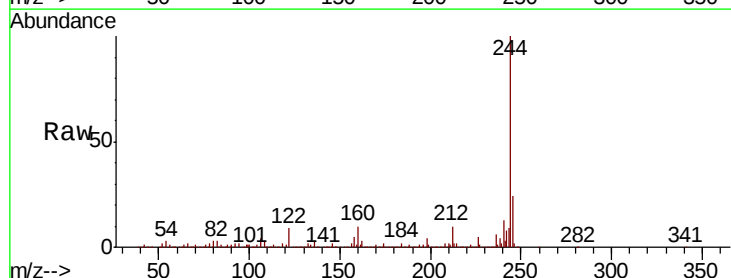
Instrument :
 BNA_N
 ClientSampleId :

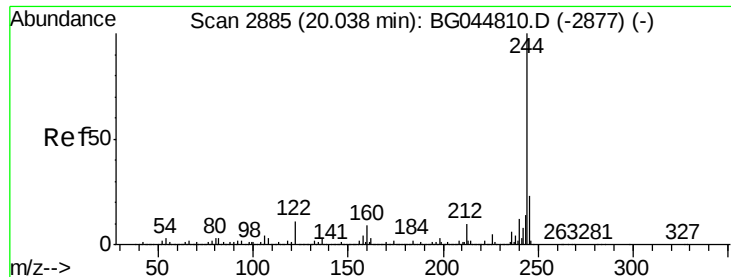
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.7	10.1
236	25.0	21.5	32.3



#77
 Benzidine
 Concen: 2.793 ng
 RT: 20.03 min Scan# 2884
 Delta R.T. 0.38 min
 Lab File: BG044898.D
 Acq: 19 Mar 2020 14:58

Tgt Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.2	18.4
183	6.1	10.7	16.1#





#79

Terphenyl-d14

Concen: 84.185 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044898.D

Acq: 19 Mar 2020 14:58

Instrument :

BNA_N

ClientSampleId :

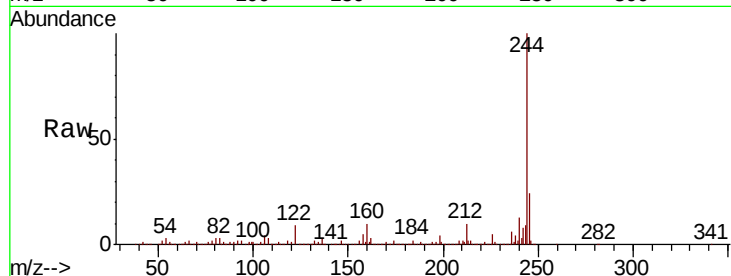
Tot Ion:244 Resp: 2137942

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.7	11.5
122	9.5	8.6	12.8

244 100

212 9.6 7.7 11.5

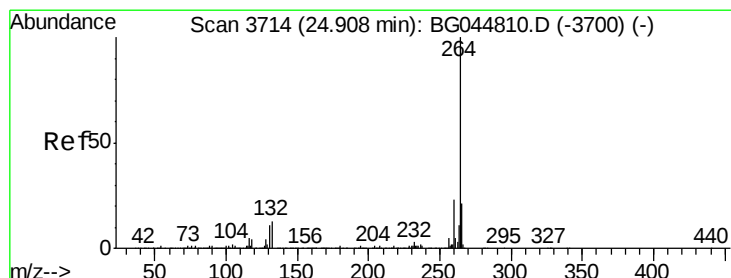
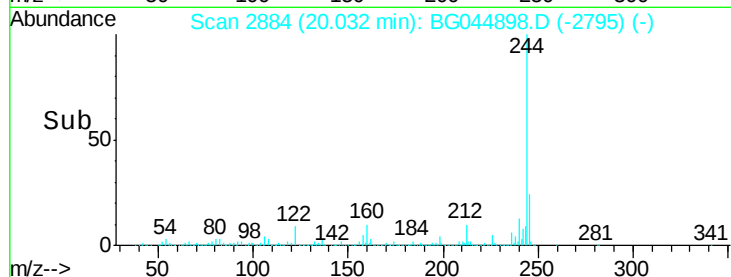
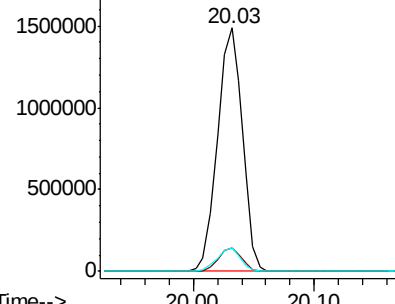
122 9.5 8.6 12.8



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: 24.88 min Scan# 3710

Delta R.T. -0.02 min

Lab File: BG044898.D

Acq: 19 Mar 2020 14:58

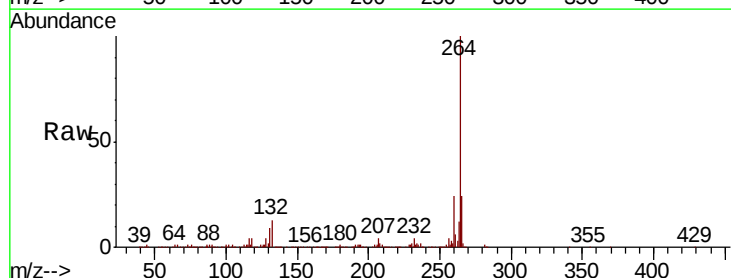
Tgt Ion:264 Resp: 506405

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.1	27.1
265	23.5	17.1	25.7

264 100

260 23.7 18.1 27.1

265 23.5 17.1 25.7



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

