

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044843.D
 Acq On : 17 Mar 2020 21:49
 Operator : CG/JU
 Sample : L1922-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:46:27 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	8.05	152	97407	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	375486	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	252388	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	562443	20.00	ng	0.00
76) Chrysene-d12	21.69	240	487582	20.00	ng	-0.01
87) Perylene-d12	24.90	264	544603	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	586039	93.66	ng	0.00
7) Phenol-d6	7.20	99	743990	81.83	ng	0.00
23) Nitrobenzene-d5	9.20	82	607662	71.01	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	411205	124.43	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1295500	73.51	ng	0.00
79) Terphenyl-d14	20.03	244	2011565	77.17	ng	0.00

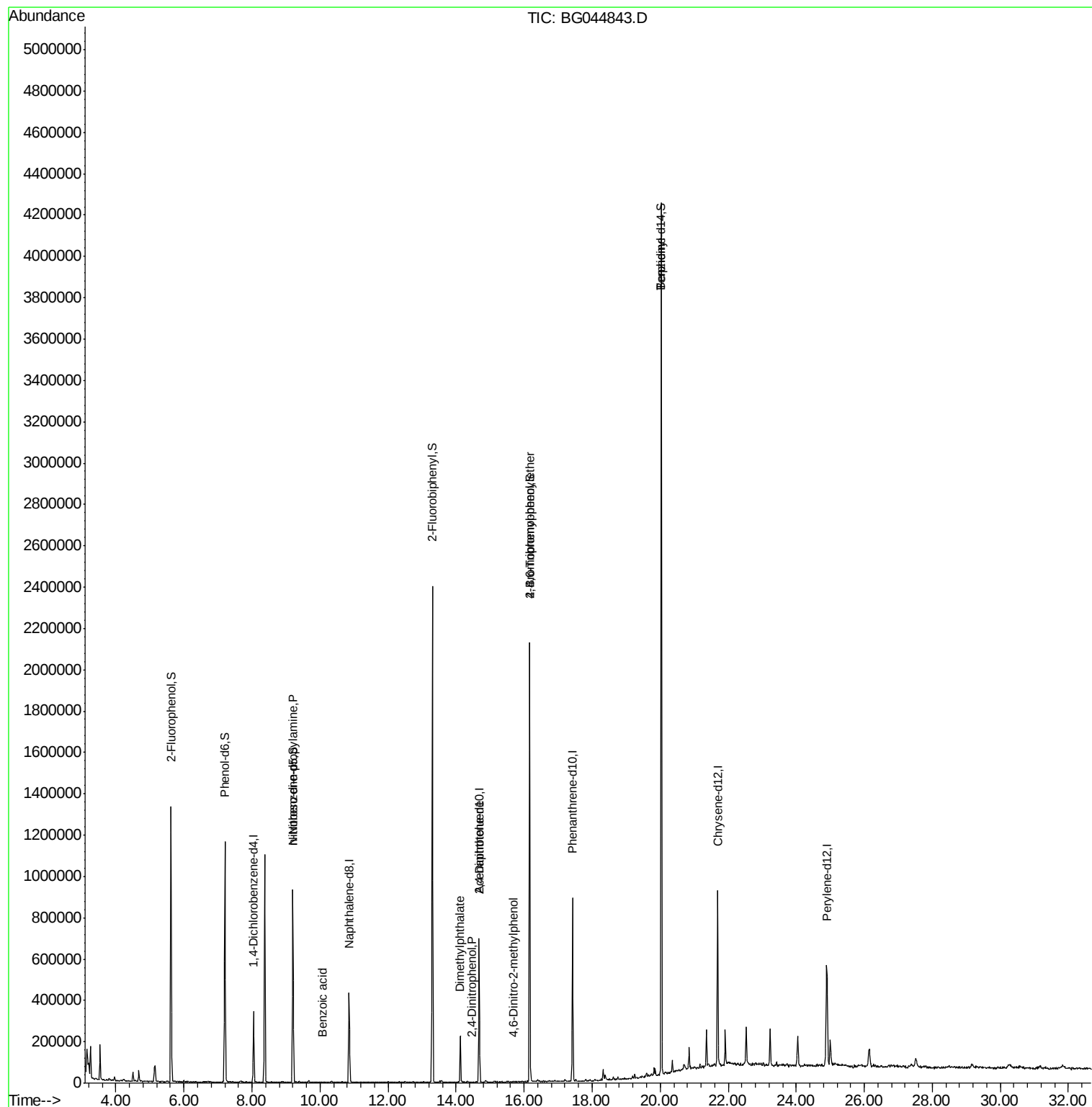
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	1454	Below Cal		# 6
19) n-Nitroso-di-n-propylamine	9.20	70	82815	12.900	ng	# 74
32) Benzoic acid	10.07	122	55	9.680	ng	# 1
50) Dimethylphthalate	14.13	163	152814	7.602	ng	# 98
54) 2,4-Dinitrophenol	14.47	184	53	8.345	ng	# 21
57) 2,4-Dinitrotoluene	14.67	165	34076	6.132	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.69	198	54	7.745	ng	# 33
67) 4-Bromophenyl-phenylether	16.16	248	29662	4.219	ng	# 1
77) Benzidine	20.03	184	38815	2.452	ng	# 83

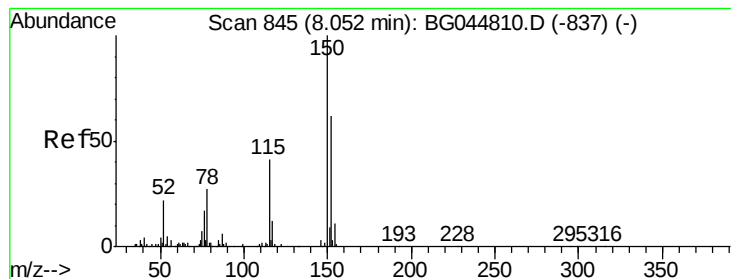
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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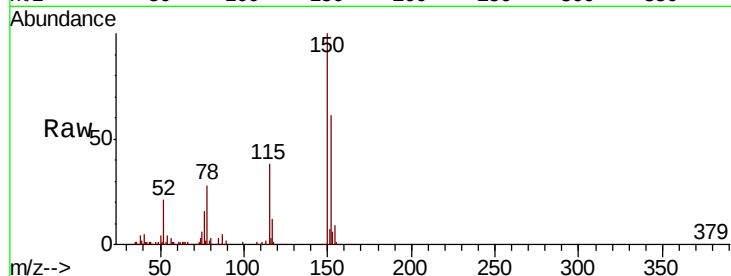


#1

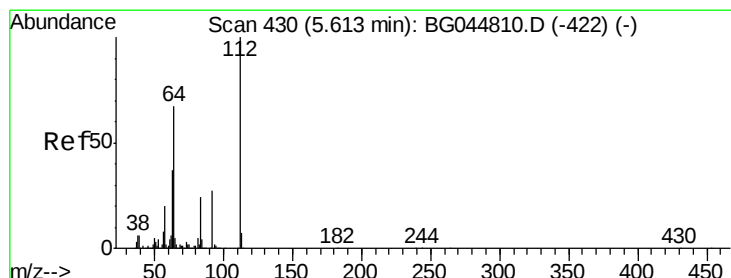
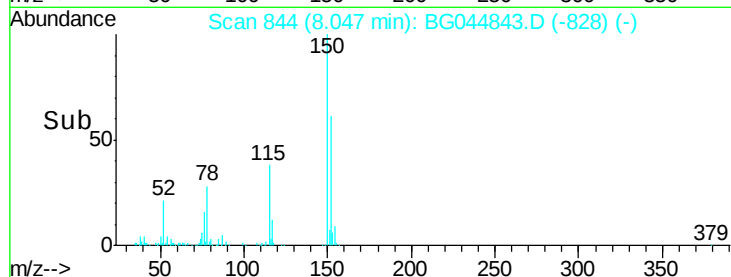
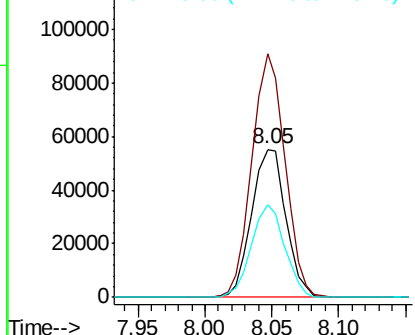
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG044843.D
Acq: 17 Mar 2020 21:49

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.8	128.8	193.2
115	62.9	52.6	79.0



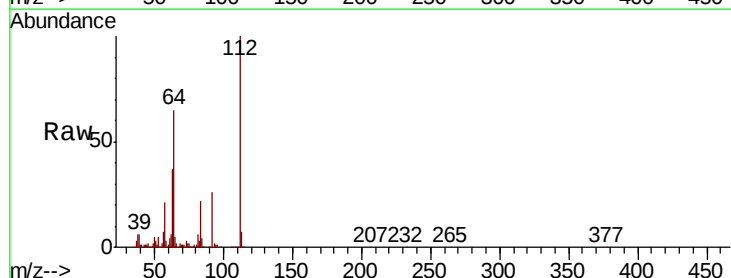
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



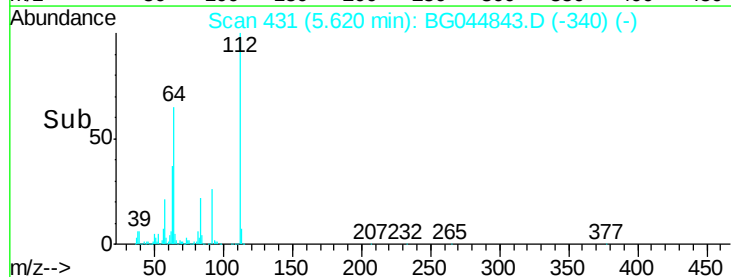
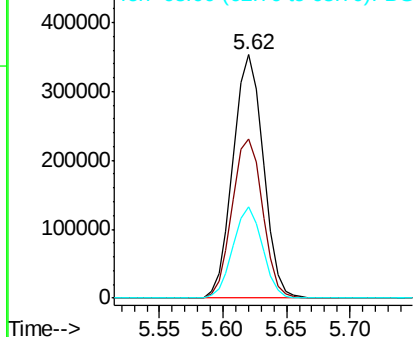
#5

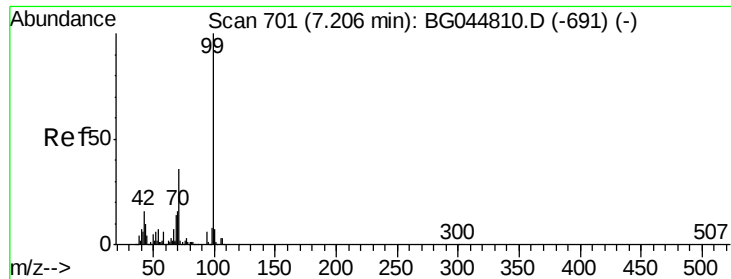
2-Fluorophenol
Concen: 93.657 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.01 min
Lab File: BG044843.D
Acq: 17 Mar 2020 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.1	53.4	80.2
63	37.3	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: 81.834 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

Instrument :

BNA_N

ClientSampled :

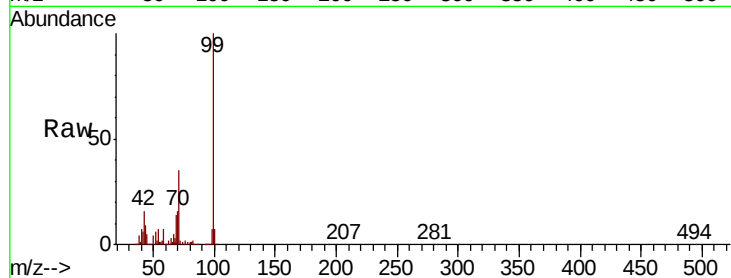
Tot Ion: 99 Resp: 743990

Ion Ratio Lower Upper

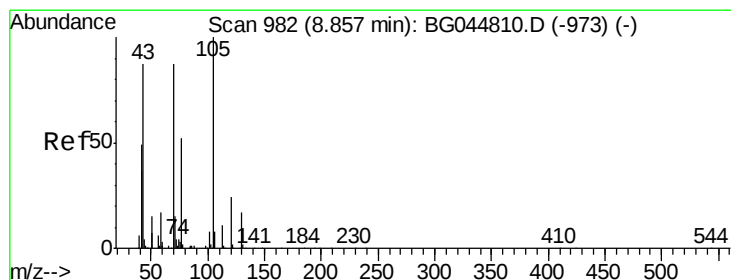
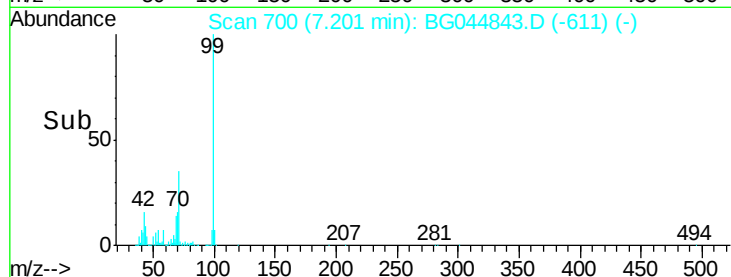
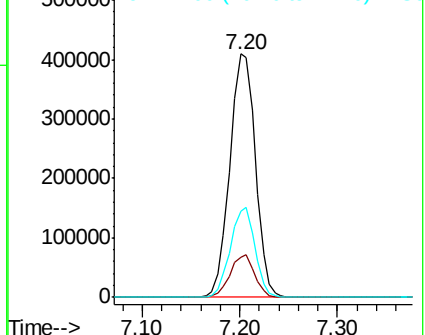
99 100

42 16.4 12.6 19.0

71 35.5 29.0 43.4



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: 12.900 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

Tgt Ion: 70 Resp: 82815

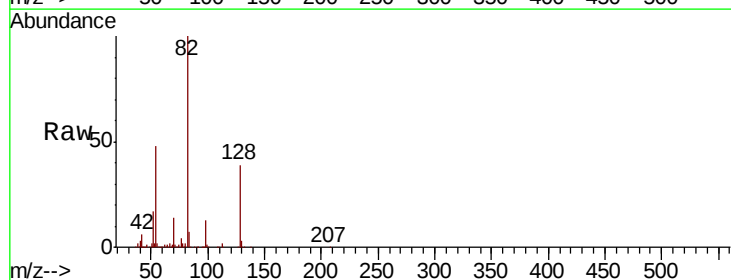
Ion Ratio Lower Upper

70 100

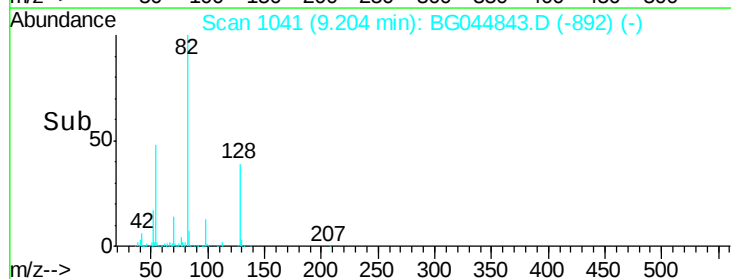
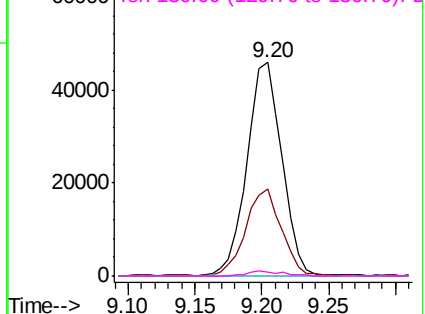
42 40.9 45.7 68.5#

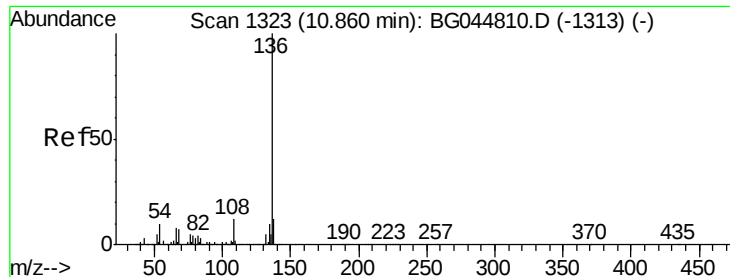
101 0.0 7.4 11.2#

130 1.6 15.9 23.9#



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

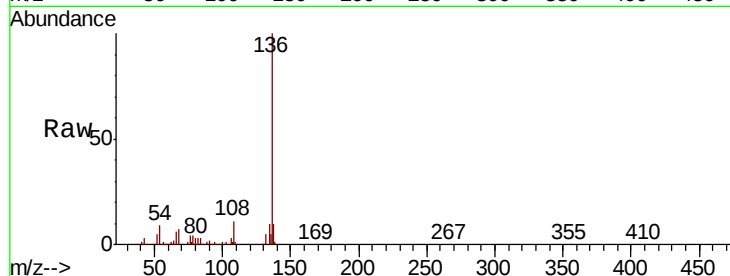




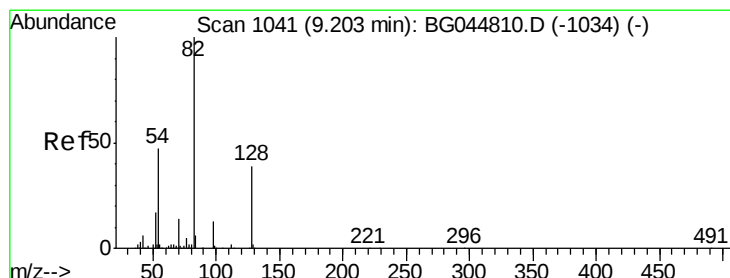
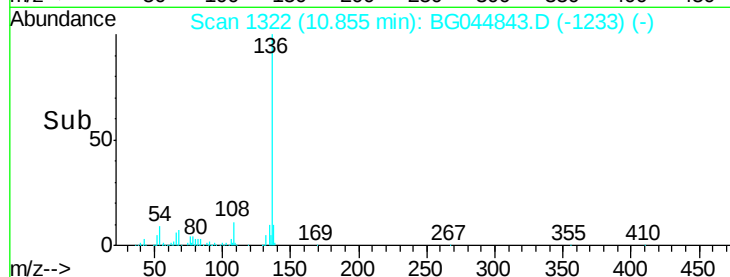
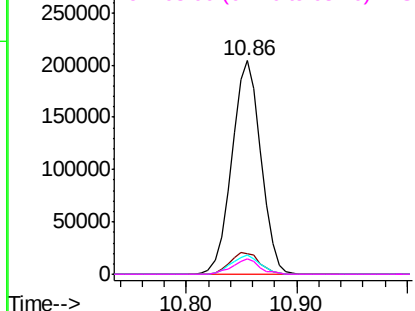
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BG044843.D
Acq: 17 Mar 2020 21:49

Instrument :
BNA_N
ClientSampleId :

Tot Ion:136	Resp:	375486
Ion Ratio	Lower	Upper
136	100	
137	9.8	9.8 14.6
54	8.9	7.9 11.9
68	7.0	5.4 8.0

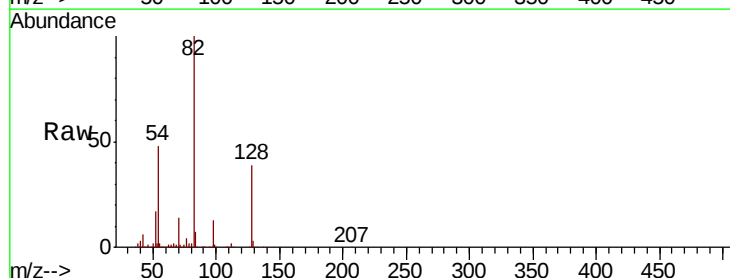


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

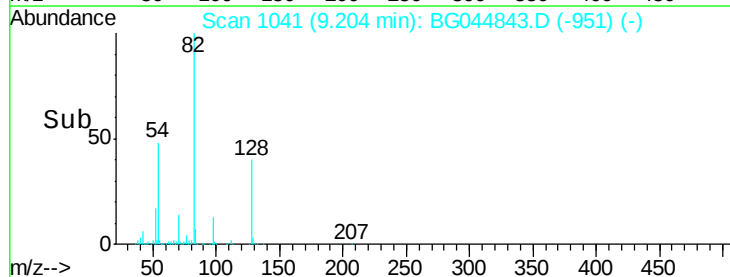
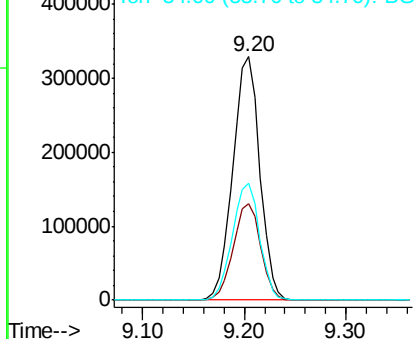


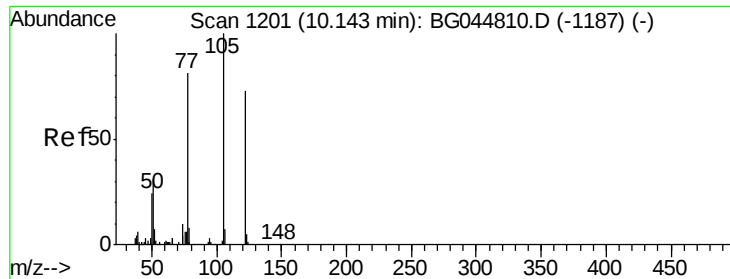
#23
Nitrobenzene-d5
Concen: 71.015 ng
RT: 9.20 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BG044843.D
Acq: 17 Mar 2020 21:49

Tgt Ion: 82	Resp:	607662
Ion Ratio	Lower	Upper
82	100	
128	39.5	30.6 46.0
54	48.1	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: 9.680 ng

RT: 10.07 min Scan# 1189

Delta R.T. -0.07 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

Instrument :

BNA_N

ClientSampleId :

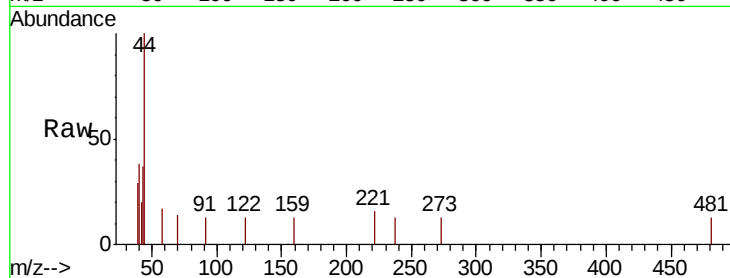
Tot Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 109.1 149.1#

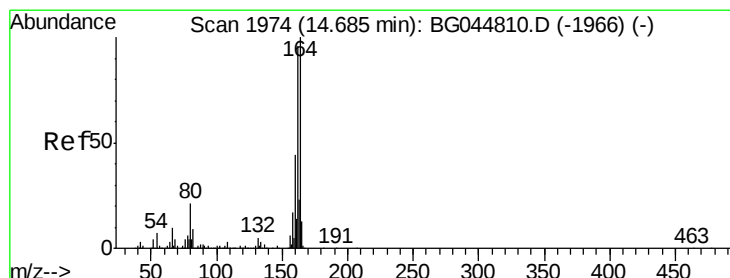
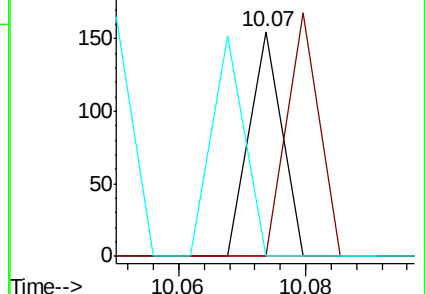
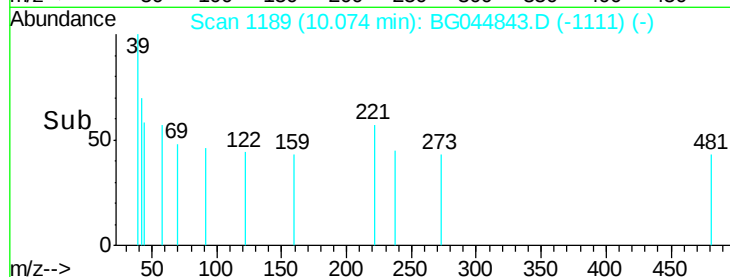
77 0.0 85.3 125.3#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.01 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

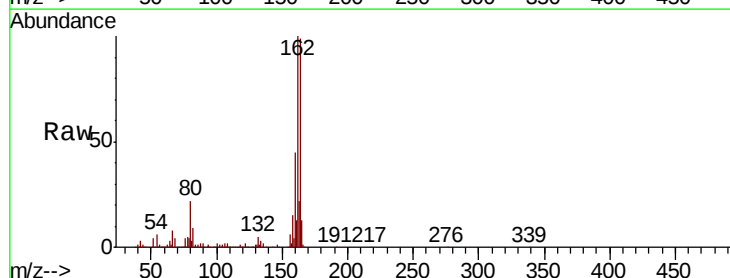
Tgt Ion:164 Resp: 252388

Ion Ratio Lower Upper

164 100

162 100.5 76.7 115.1

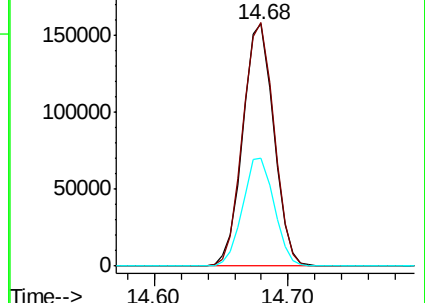
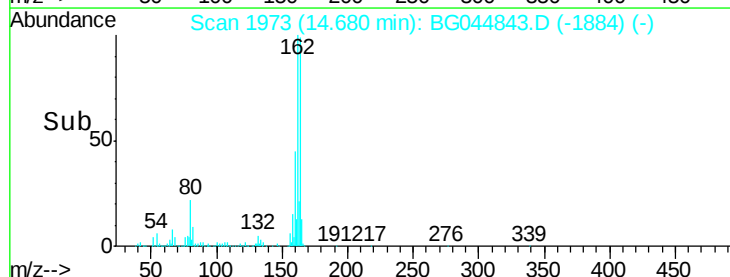
160 44.8 35.0 52.4

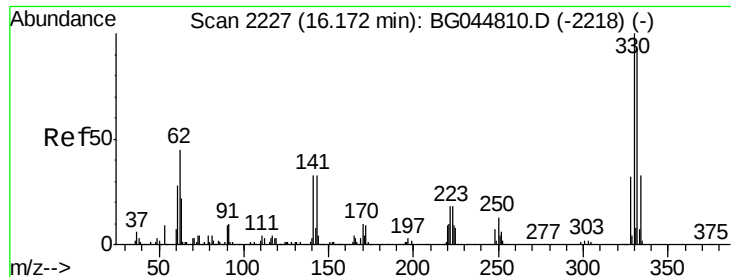


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

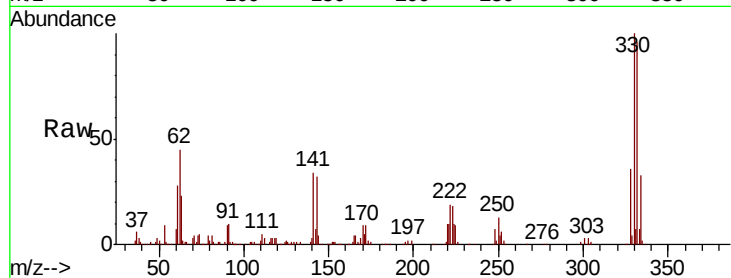




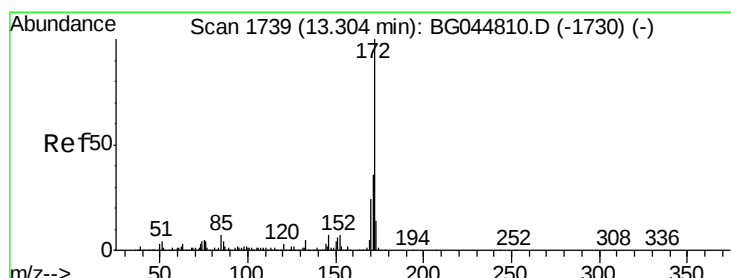
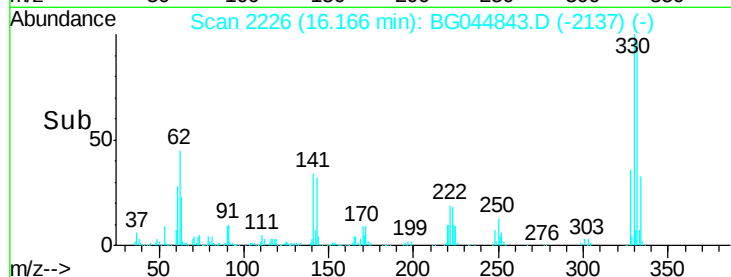
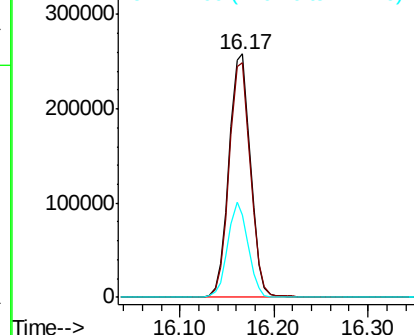
#42
 2,4,6-Tribromophenol
 Concen: 124.433 ng
 RT: 16.17 min Scan# 2226
 Delta R.T. -0.01 min
 Lab File: BG044843.D
 Acq: 17 Mar 2020 21:49

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.8	116.6
141	37.3	29.5	44.3

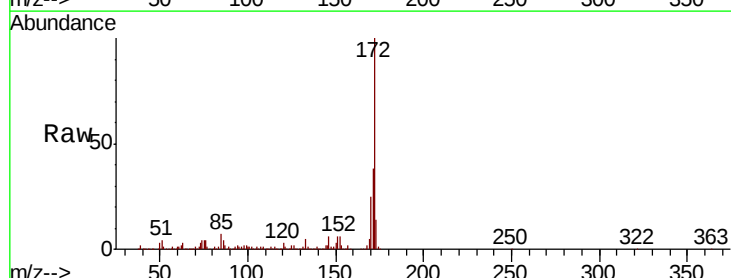


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

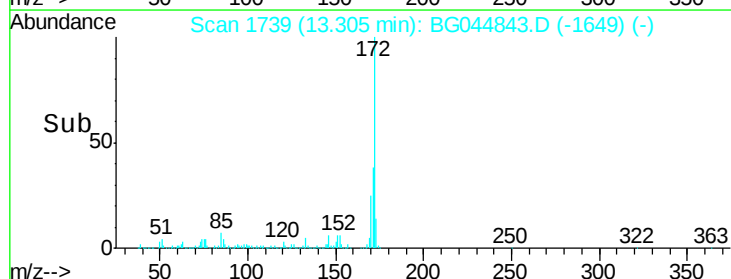
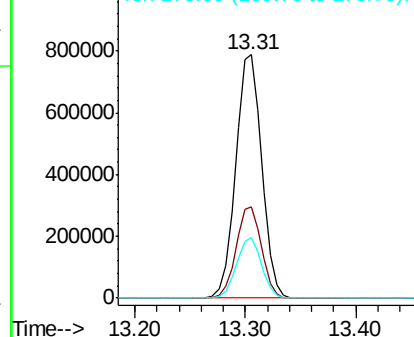


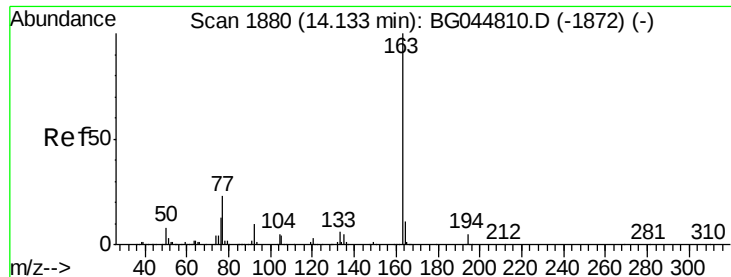
#45
 2-Fluorobiphenyl
 Concen: 73.506 ng
 RT: 13.31 min Scan# 1739
 Delta R.T. 0.00 min
 Lab File: BG044843.D
 Acq: 17 Mar 2020 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.7	43.1
170	25.1	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: 7.602 ng

RT: 14.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

Instrument :

BNA_N

ClientSampleId :

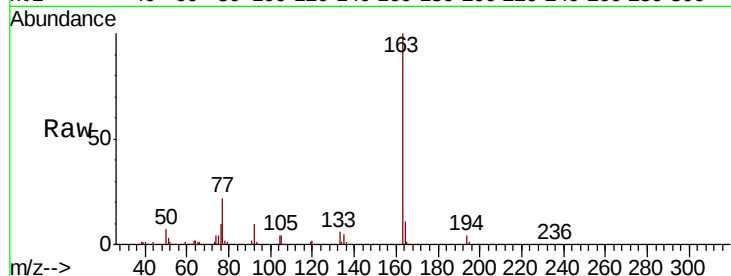
Tot Ion:163 Resp: 152814

Ion Ratio Lower Upper

163 100

194 4.1 3.7 5.5

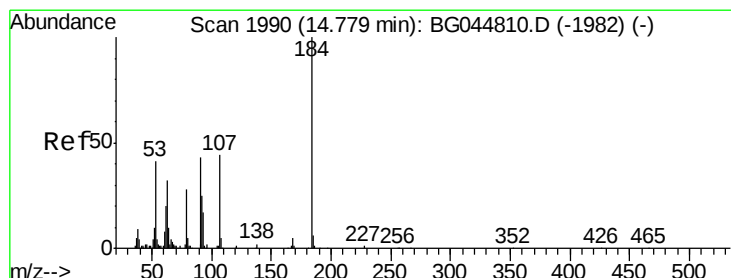
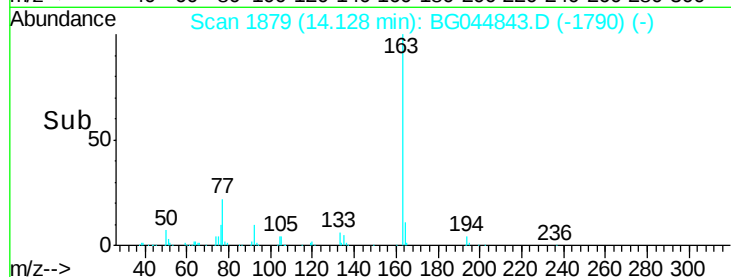
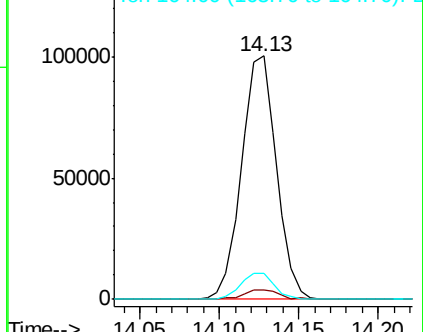
164 10.5 9.1 13.7



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



#54

2,4-Dinitrophenol

Concen: 8.345 ng

RT: 14.47 min Scan# 1937

Delta R.T. -0.31 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

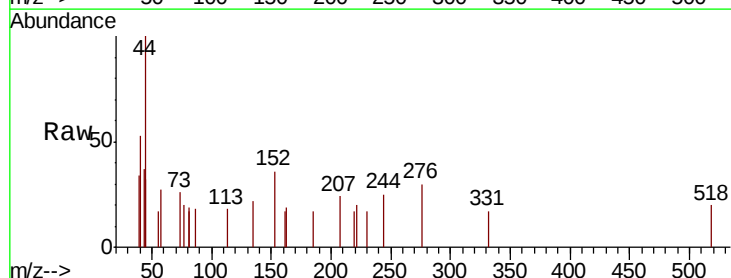
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

63 0.0 45.5 68.3#

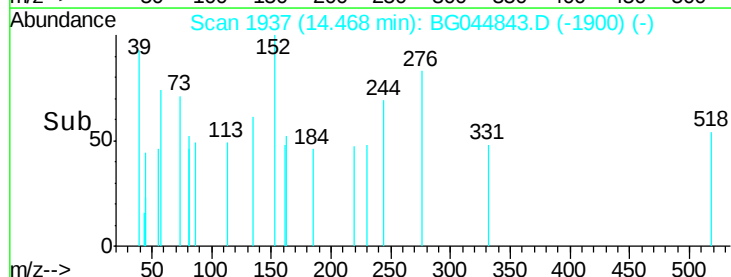
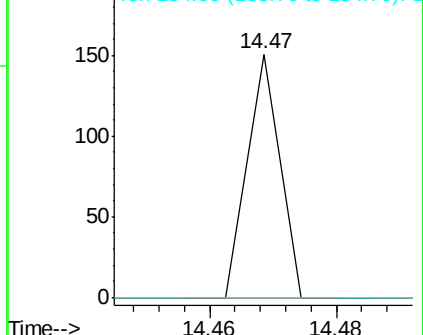
154 0.0 49.1 73.7#

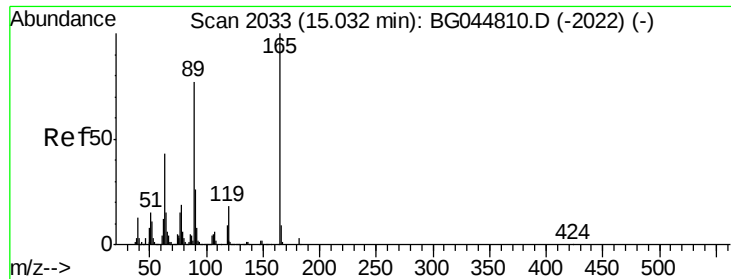


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

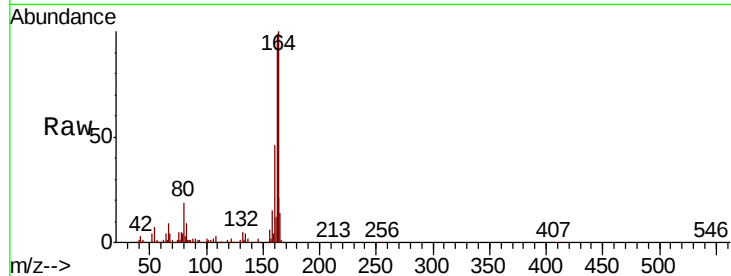




#57
 2,4-Dinitrotoluene
 Concen: 6.132 ng
 RT: 14.67 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG044843.D
 Acq: 17 Mar 2020 21:49

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.6	52.0#
89	1.8	61.3	91.9#
182	0.0	2.2	3.2#

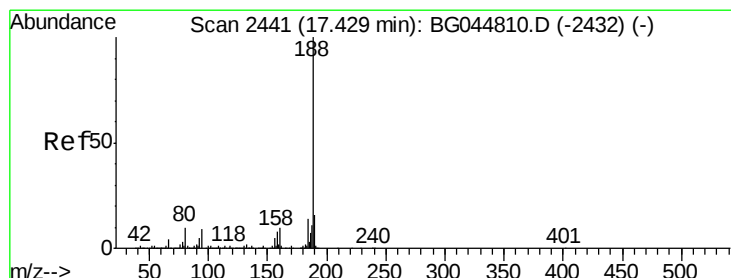
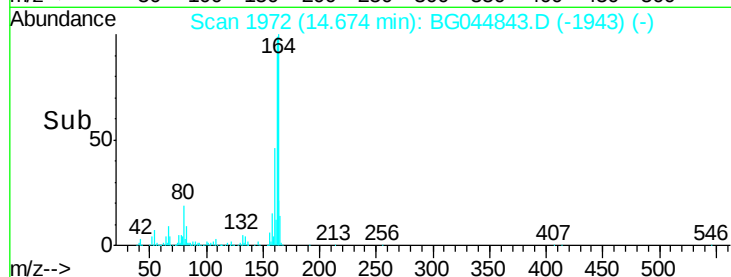
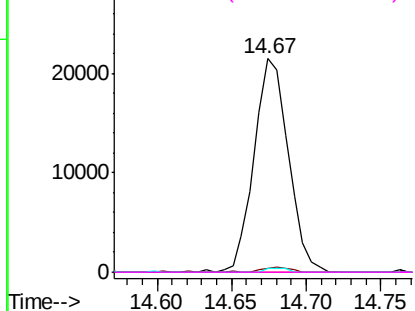


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

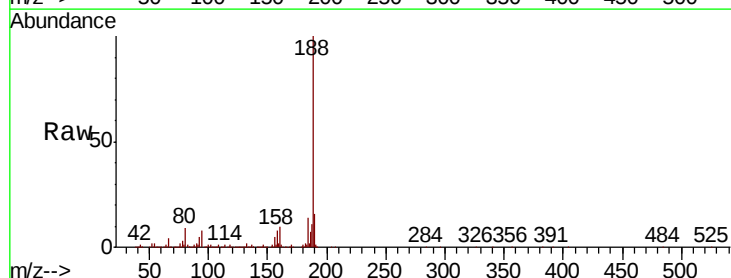
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2440
 Delta R.T. -0.01 min
 Lab File: BG044843.D
 Acq: 17 Mar 2020 21:49

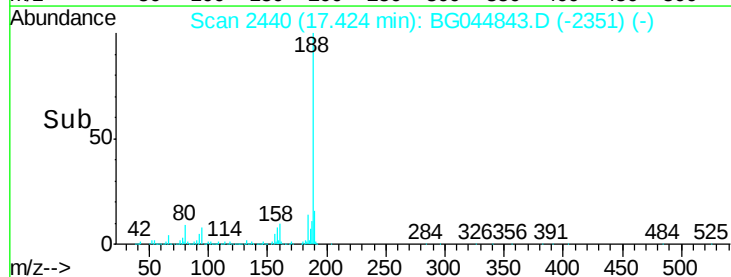
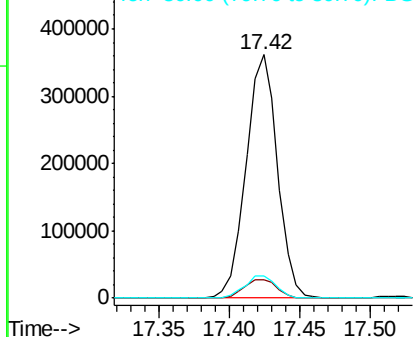
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	7.3	10.9
80	8.9	8.0	12.0

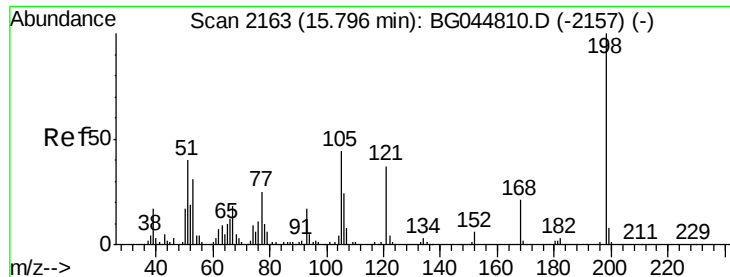


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

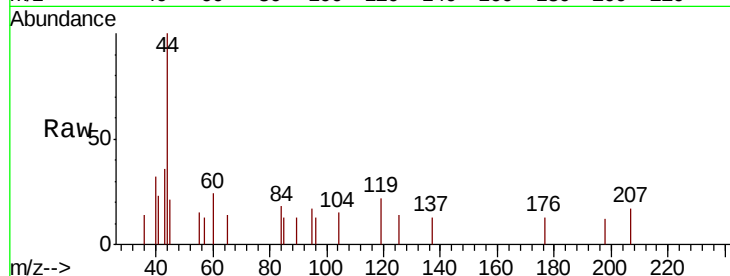




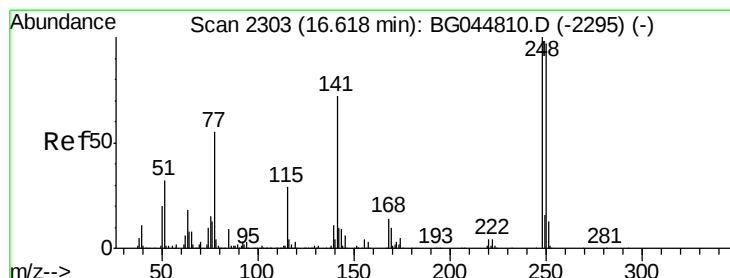
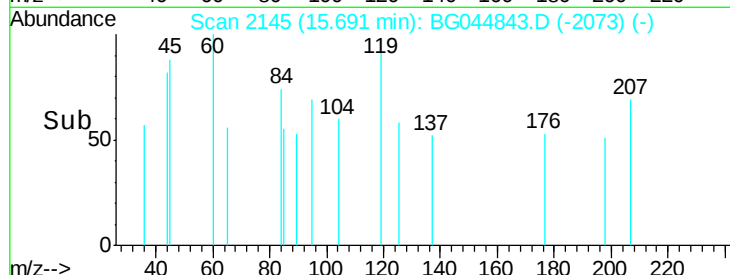
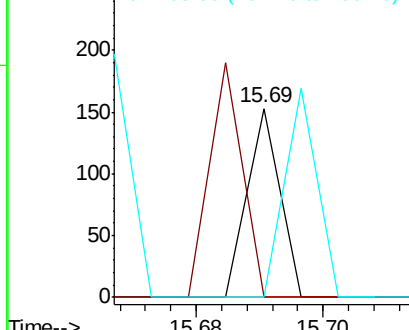
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.745 ng
 RT: 15.69 min Scan# 2145
 Delta R.T. -0.10 min
 Lab File: BG044843.D
 Acq: 17 Mar 2020 21:49

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:198 Resp: 54
 Ion Ratio Lower Upper
 198 100
 51 0.0 21.1 61.1#
 105 0.0 24.5 64.5#

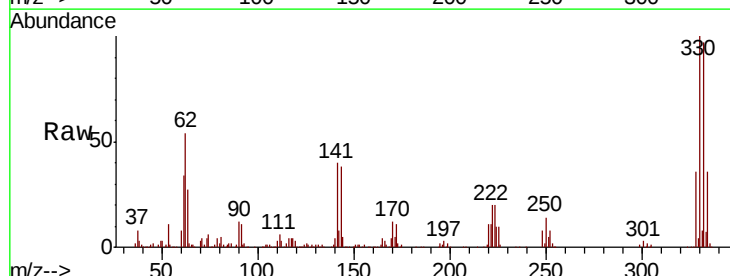


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGO
 Ion 105.00 (104.70 to 105.70): E

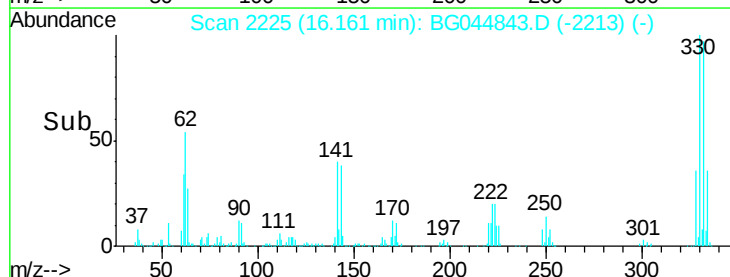
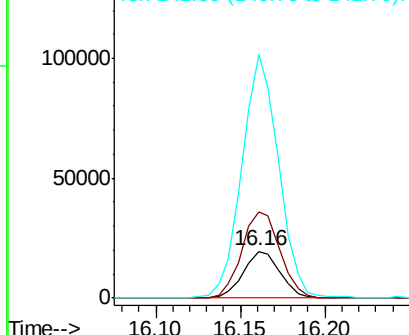


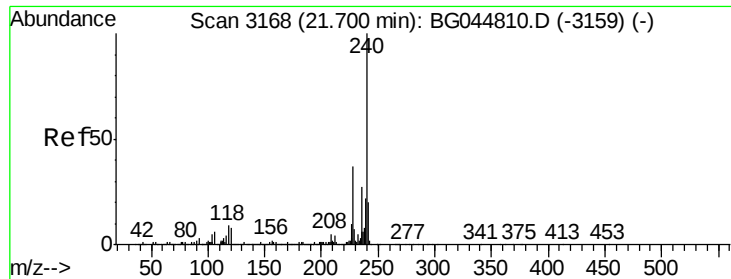
#67
 4-Bromophenyl-phenylether
 Concen: 4.219 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044843.D
 Acq: 17 Mar 2020 21:49

Tgt Ion:248 Resp: 29662
 Ion Ratio Lower Upper
 248 100
 250 182.9 77.9 116.9#
 141 516.9 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

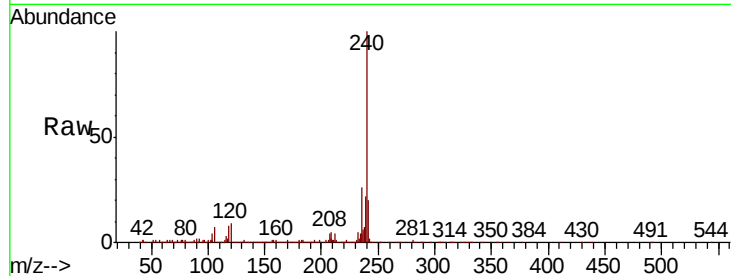




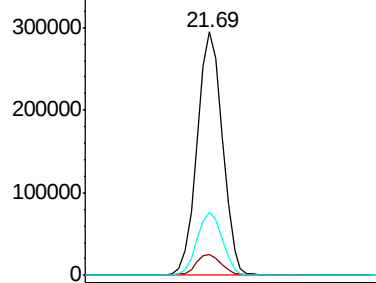
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG044843.D
Acq: 17 Mar 2020 21:49

Instrument :
BNA_N
ClientSampleId :

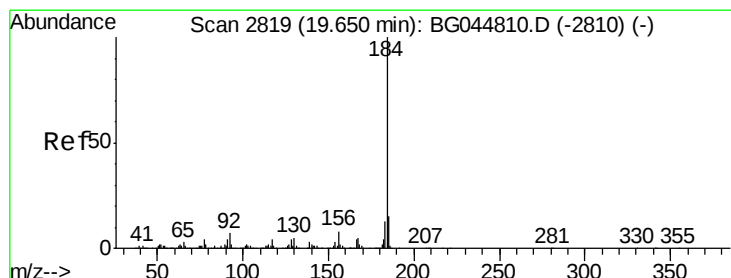
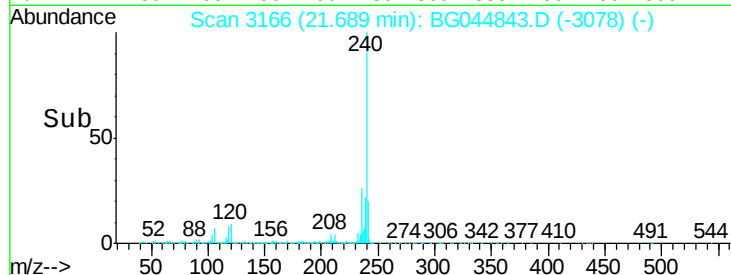
Tot Ion:240 Resp: 487582
Ion Ratio Lower Upper
240 100
120 8.7 6.7 10.1
236 26.1 21.5 32.3



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

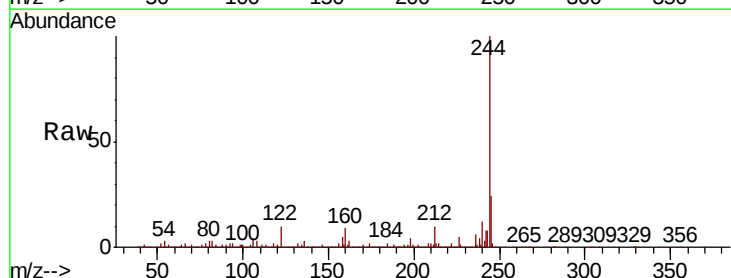


Time--> 21.60 21.70 21.80

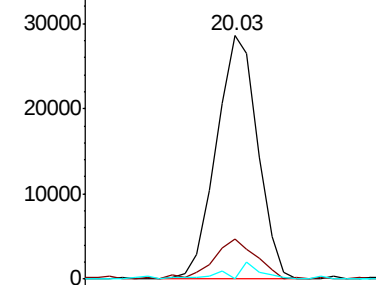


#77
Benzidine
Concen: 2.452 ng
RT: 20.03 min Scan# 2884
Delta R.T. 0.38 min
Lab File: BG044843.D
Acq: 17 Mar 2020 21:49

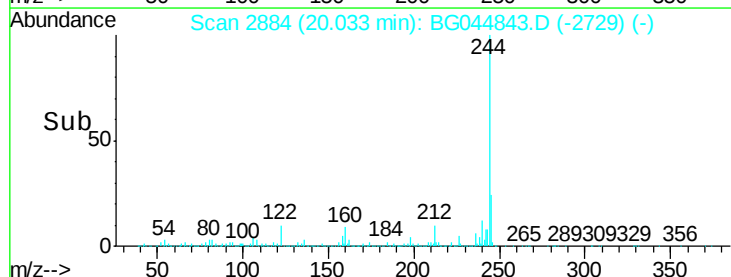
Tgt Ion:184 Resp: 38815
Ion Ratio Lower Upper
184 100
185 16.4 12.2 18.4
183 0.0 10.7 16.1#

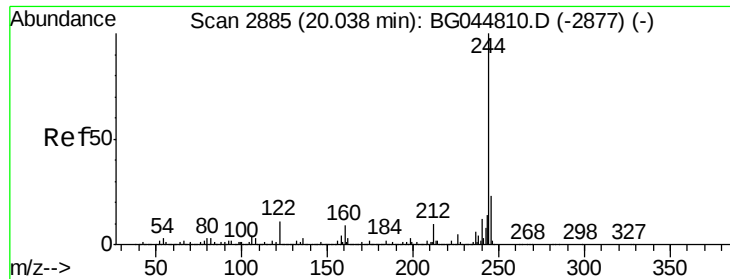


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



Time--> 20.00 20.05





#79

Terphenyl-d14

Concen: 77.171 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

Instrument :

BNA_N

ClientSampleId :

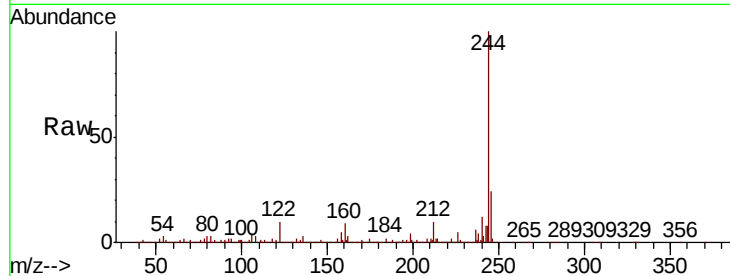
Tot Ion:244 Resp: 2011565

Ion Ratio Lower Upper

244 100

212 9.6 7.7 11.5

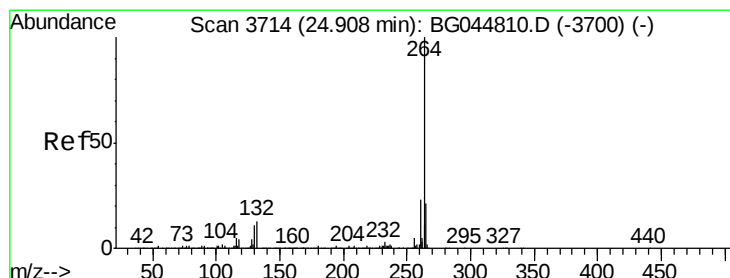
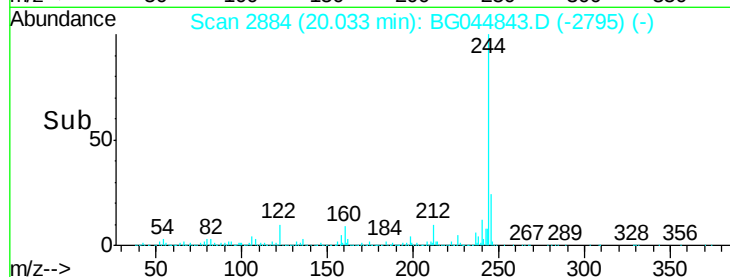
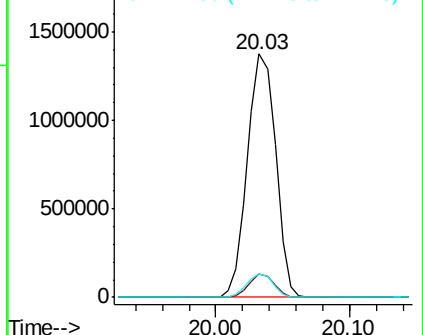
122 9.9 8.6 12.8



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: 24.90 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG044843.D

Acq: 17 Mar 2020 21:49

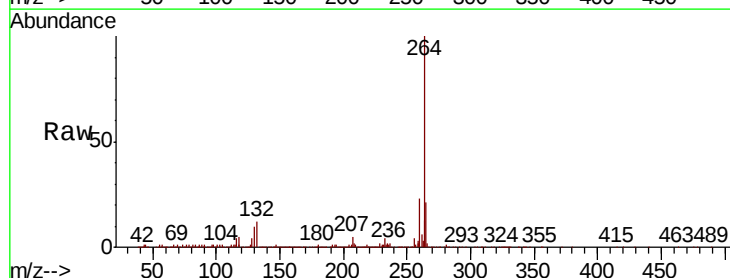
Tgt Ion:264 Resp: 544603

Ion Ratio Lower Upper

264 100

260 22.5 18.1 27.1

265 21.2 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

