

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
 Data File : BG044849.D
 Acq On : 18 Mar 2020 1:46
 Operator : CG/JU
 Sample : L1917-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 18 11:47:19 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

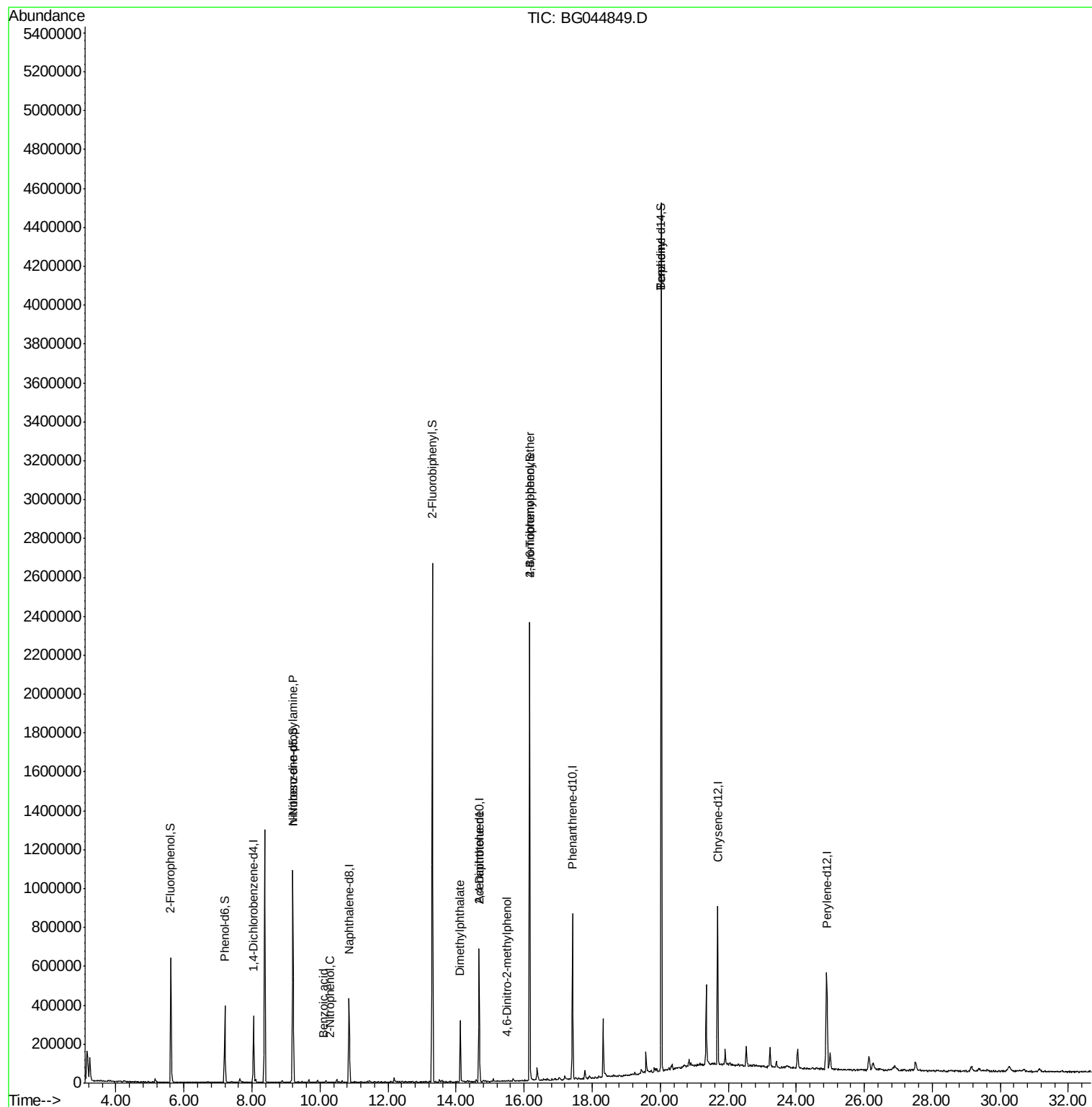
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	95803	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	376403	20.00	ng	0.00
39) Acenaphthene-d10	14.67	164	253616	20.00	ng	-0.01
64) Phenanthrene-d10	17.42	188	554936	20.00	ng	0.00
76) Chrysene-d12	21.69	240	474312	20.00	ng	-0.01
87) Perylene-d12	24.89	264	551591	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	290406	47.19	ng	0.00
7) Phenol-d6	7.20	99	252175	28.20	ng	0.00
23) Nitrobenzene-d5	9.20	82	707725	82.51	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	449672	135.41	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	1475555	83.32	ng	0.00
79) Terphenyl-d14	20.03	244	2113334	83.34	ng	0.00
Target Compounds						
9) Benzaldehyde	7.20	77	918	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.20	70	97151	15.387	ng	# 73
26) 2-Nitrophenol	10.28	139	67	5.534	ng	# 28
32) Benzoic acid	10.10	122	108	9.690	ng	# 1
50) Dimethylphthalate	14.12	163	206391	10.218	ng	99
57) 2,4-Dinitrotoluene	14.67	165	33005	5.911	ng	# 23
65) 4,6-Dinitro-2-methylphenol	15.49	198	65	7.749	ng	# 1
67) 4-Bromophenyl-phenylether	16.16	248	30829	4.444	ng	# 1
77) Benzidine	20.04	184	41378	2.687	ng	# 92

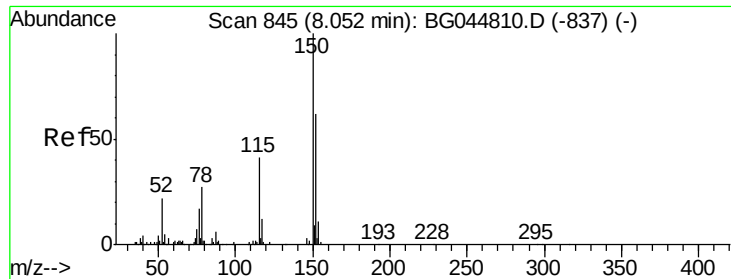
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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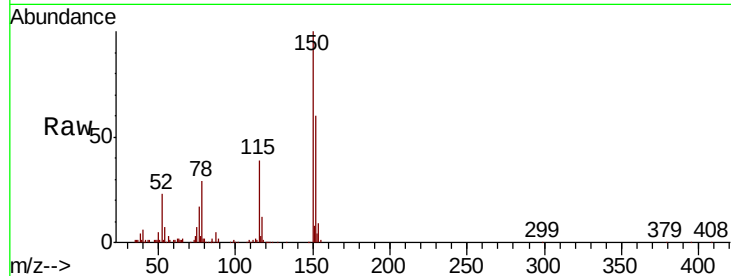


#1

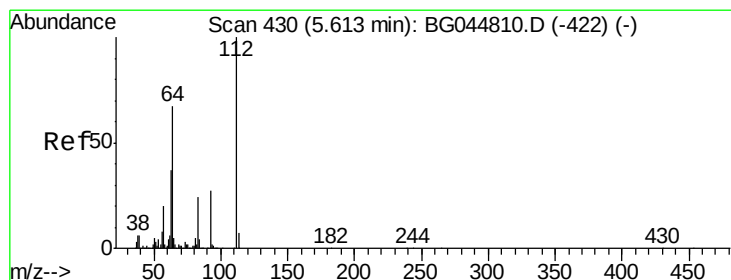
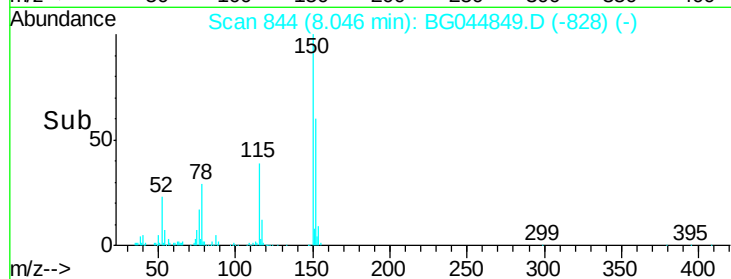
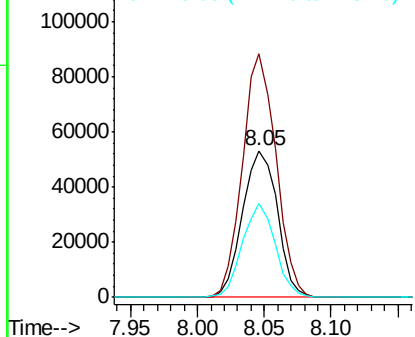
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.7	128.8	193.2
115	63.8	52.6	79.0



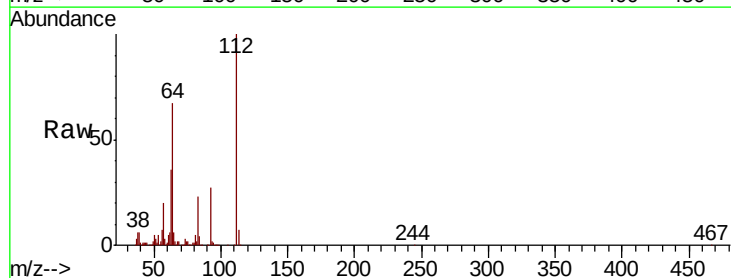
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



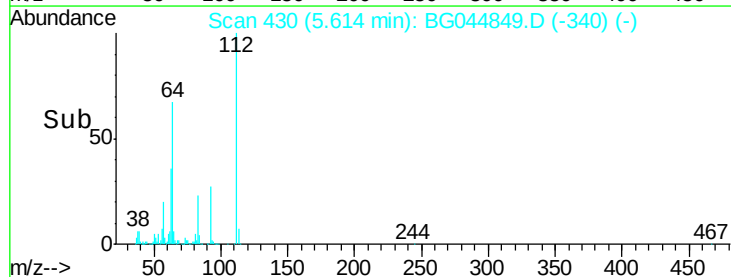
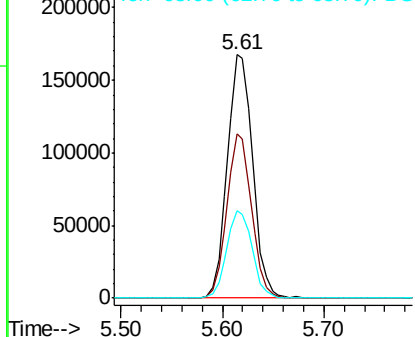
#5

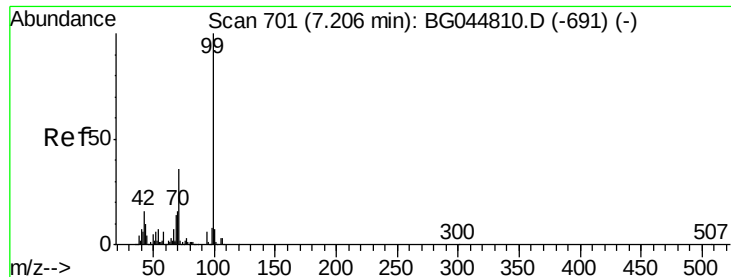
2-Fluorophenol
Concen: 47.188 ng
RT: 5.61 min Scan# 430
Delta R.T. 0.00 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.4	80.2
63	36.1	29.4	44.2



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: 28.202 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.01 min

Lab File: BG044849.D

Acq: 18 Mar 2020 1:46

Instrument :

BNA_N

ClientSampleId :

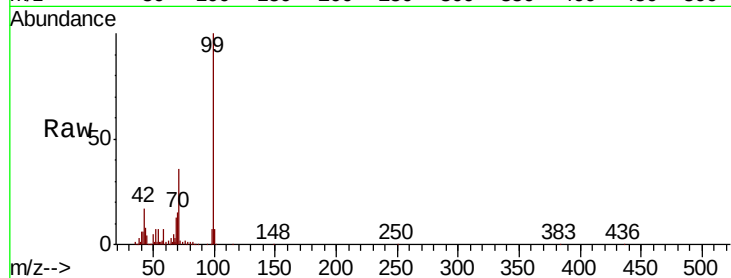
Tot Ion: 99 Resp: 252175

Ion Ratio Lower Upper

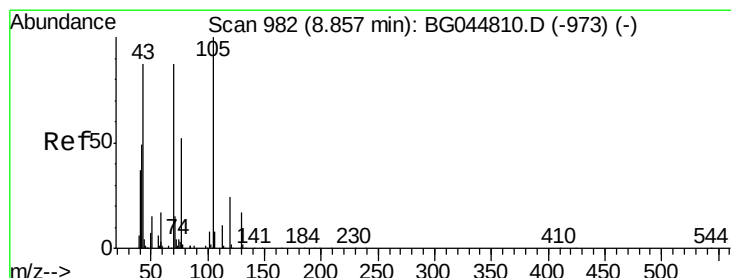
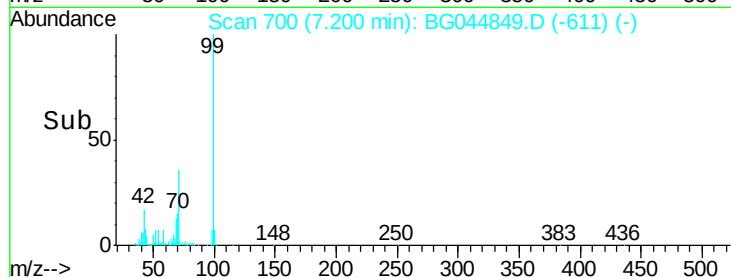
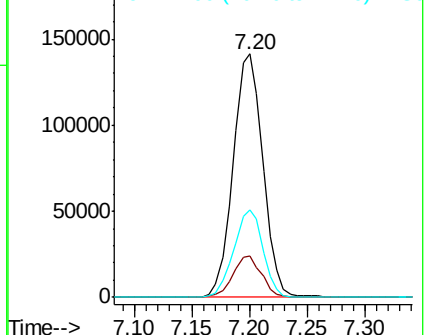
99 100

42 16.7 12.6 19.0

71 35.7 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: 15.387 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.35 min

Lab File: BG044849.D

Acq: 18 Mar 2020 1:46

Tgt Ion: 70 Resp: 97151

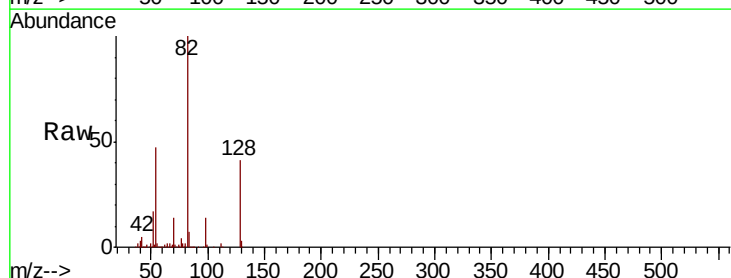
Ion Ratio Lower Upper

70 100

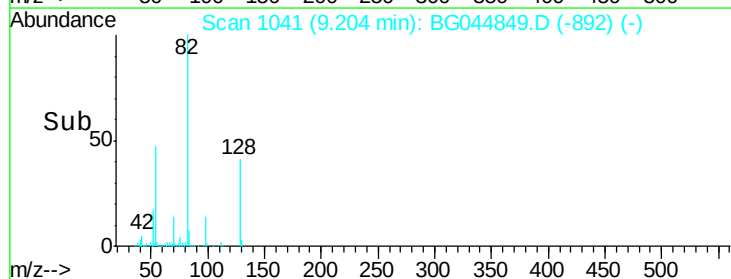
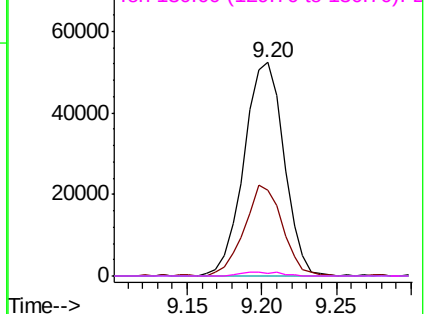
42 40.2 45.7 68.5#

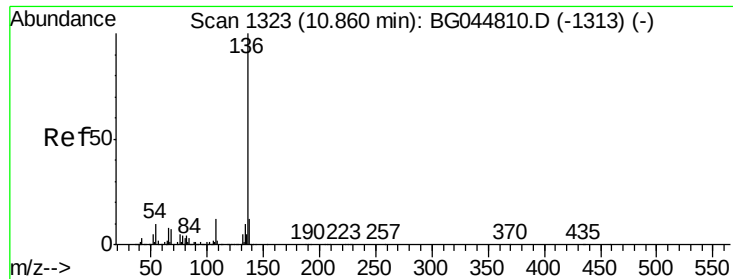
101 0.0 7.4 11.2#

130 1.4 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: 10.85 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BG044849.D

Acq: 18 Mar 2020 1:46

Instrument :

BNA_N

ClientSampleId :

Tot Ion:136 Resp: 376403

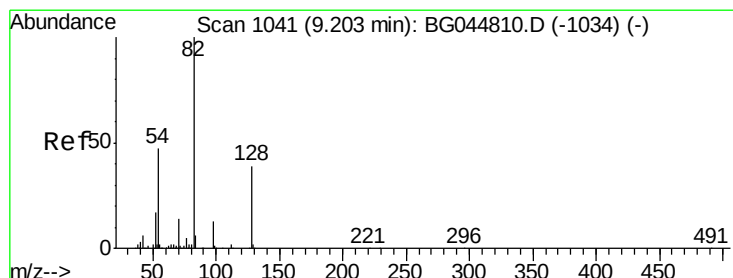
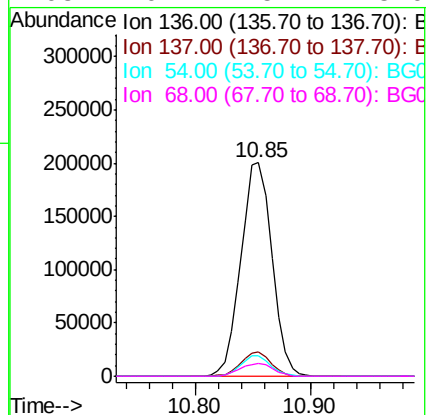
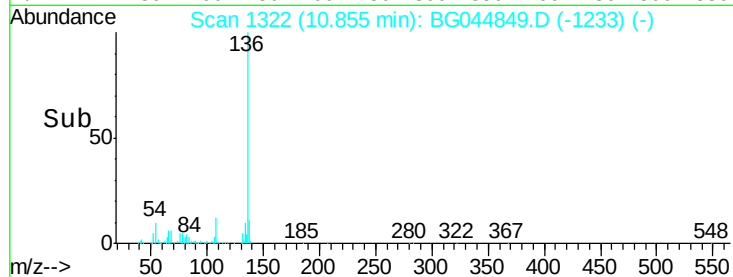
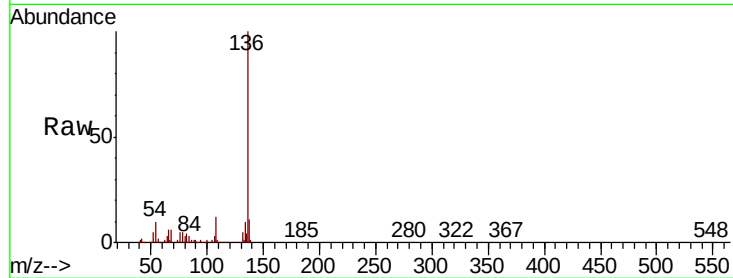
Ion Ratio Lower Upper

136 100

137 11.2 9.8 14.6

54 9.5 7.9 11.9

68 6.1 5.4 8.0



#23

Nitrobenzene-d5

Concen: 82.507 ng

RT: 9.20 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BG044849.D

Acq: 18 Mar 2020 1:46

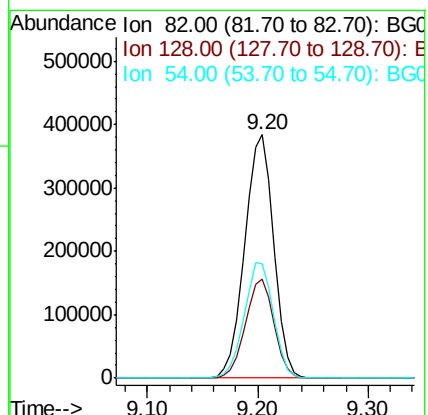
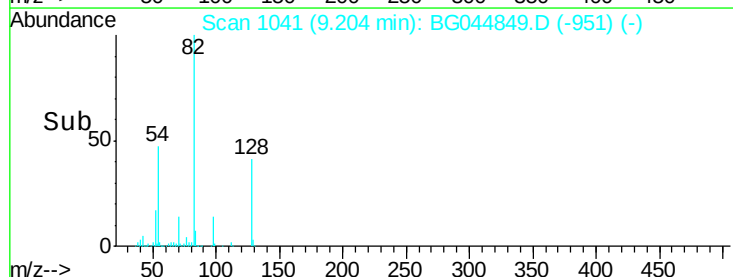
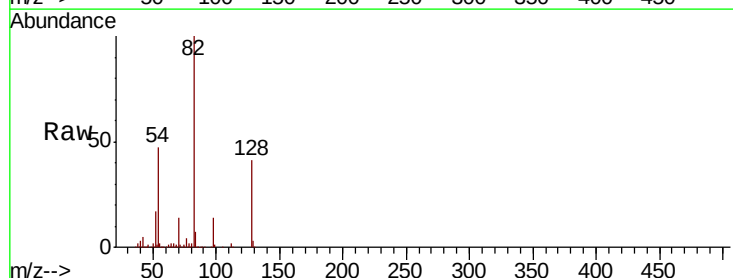
Tgt Ion: 82 Resp: 707725

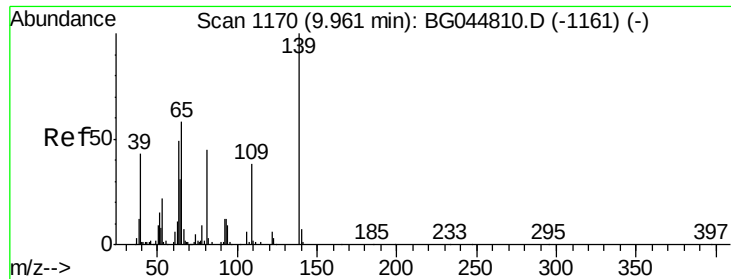
Ion Ratio Lower Upper

82 100

128 40.8 30.6 46.0

54 46.9 37.1 55.7

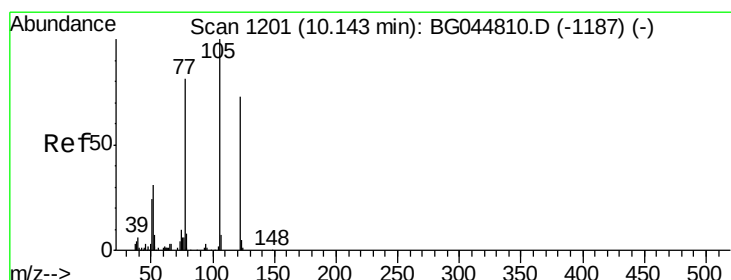
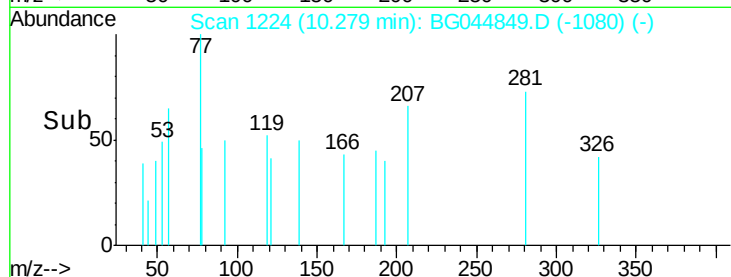
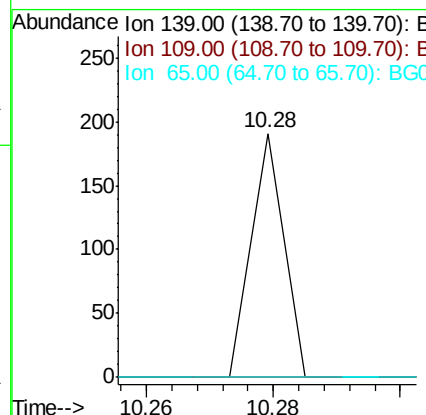
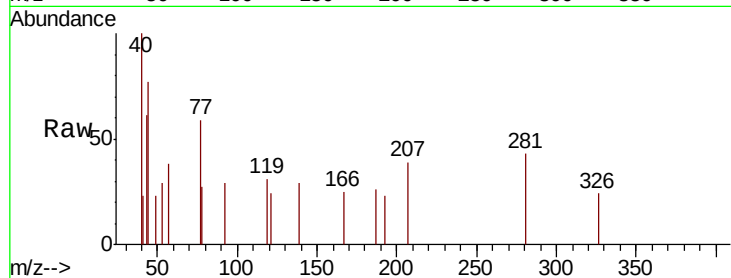




#26
2-Nitrophenol
Concen: 5.534 ng
RT: 10.28 min Scan# 1224
Delta R.T. 0.32 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

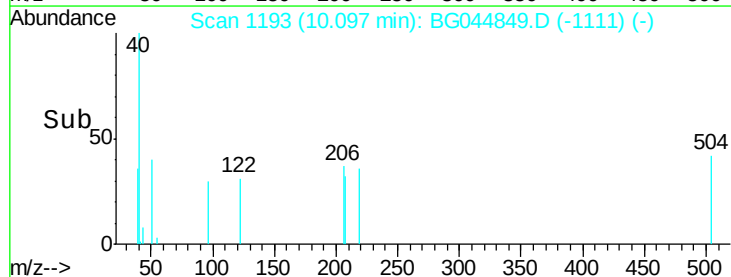
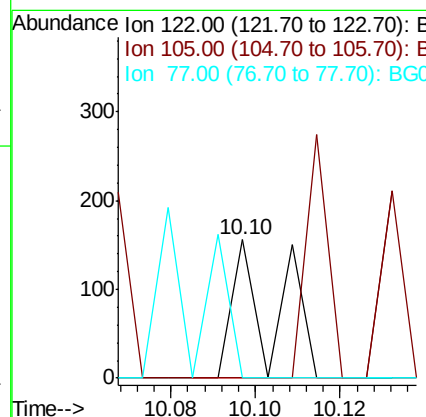
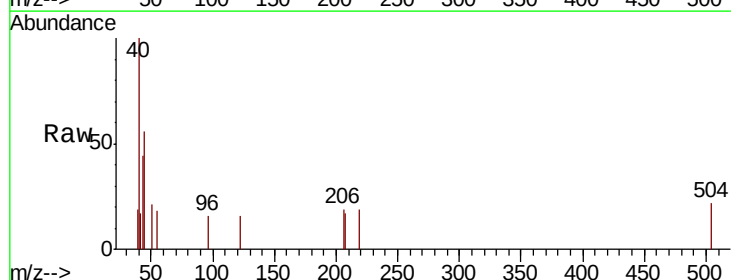
Instrument :
BNA_N
ClientSampleId :

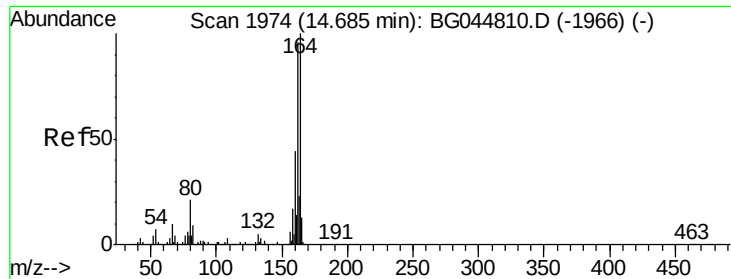
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	30.2	45.4#
65	0.0	46.3	69.5#



#32
Benzoic acid
Concen: 9.690 ng
RT: 10.10 min Scan# 1193
Delta R.T. -0.05 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Tgt 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: BG044849.D

Acq: 18 Mar 2020 1:46

Instrument :

BNA_N

ClientSampleId :

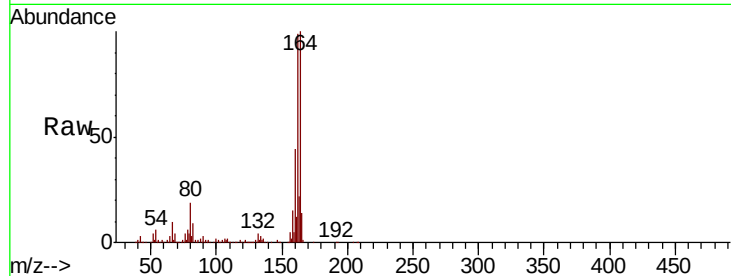
Tot Ion:164 Resp: 253616

Ion Ratio Lower Upper

164 100

162 98.7 76.7 115.1

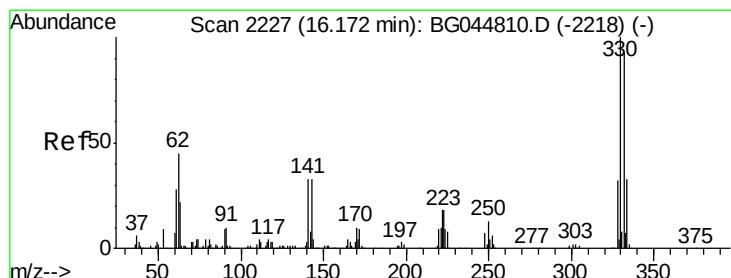
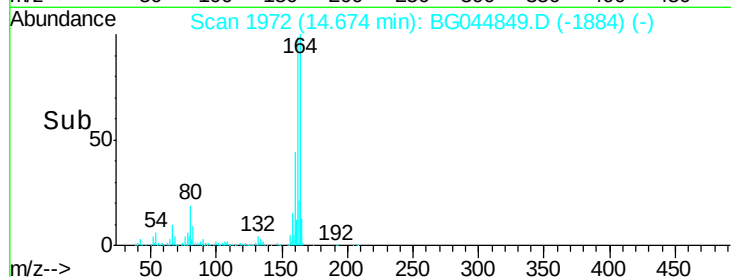
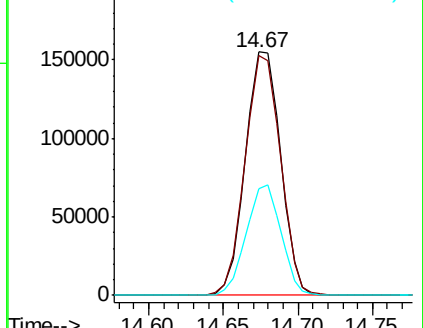
160 44.0 35.0 52.4



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: 135.414 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BG044849.D

Acq: 18 Mar 2020 1:46

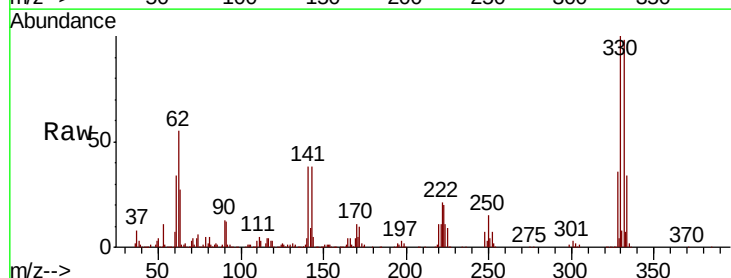
Tgt Ion:330 Resp: 449672

Ion Ratio Lower Upper

330 100

332 97.3 77.8 116.6

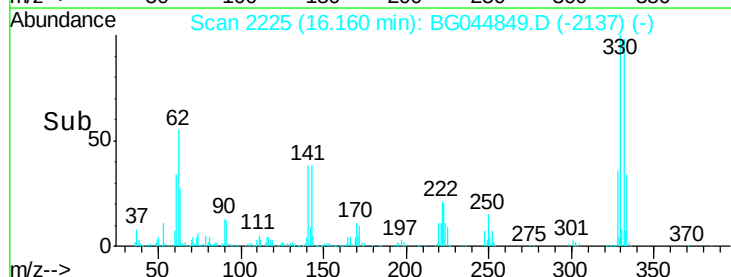
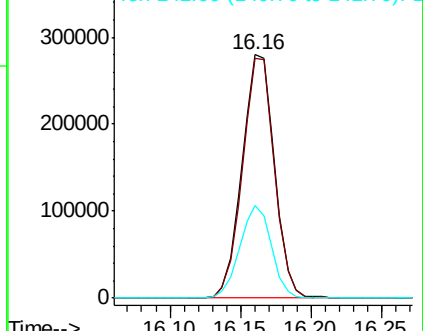
141 37.0 29.5 44.3

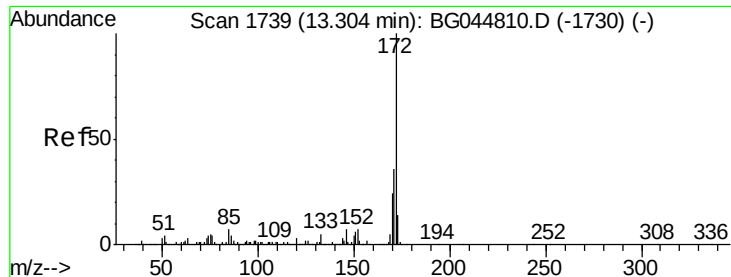


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

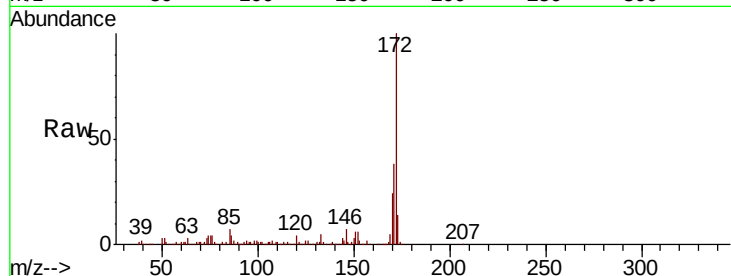




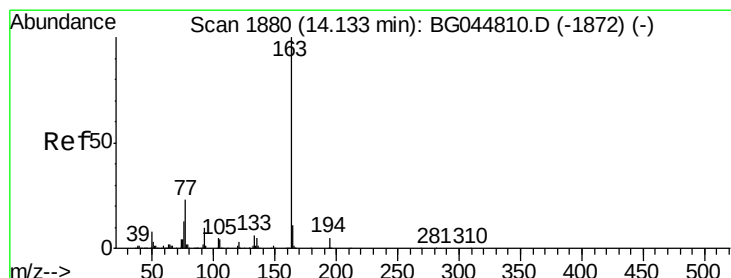
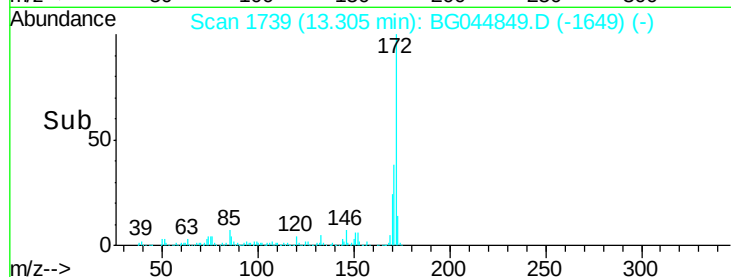
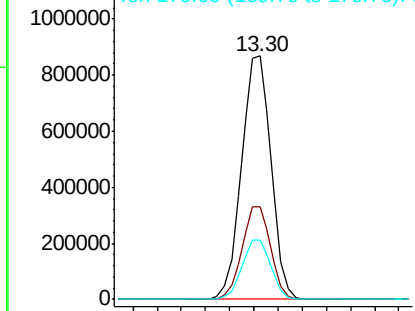
#45
2-Fluorobiphenyl
Concen: 83.317 ng
RT: 13.30 min Scan# 1739
Delta R.T. 0.00 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Instrument :
BNA_N
ClientSampled :

Tot Ion:172 Resp: 1475555
Ion Ratio Lower Upper
172 100
171 38.3 28.7 43.1
170 24.3 19.0 28.6

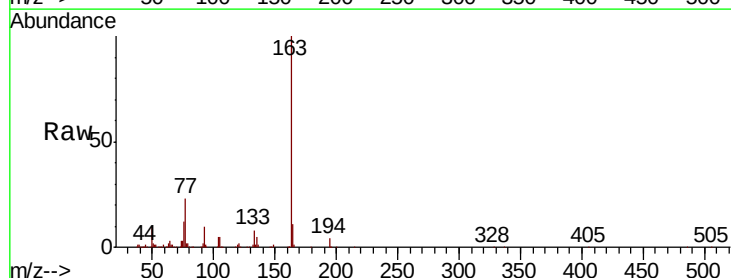


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

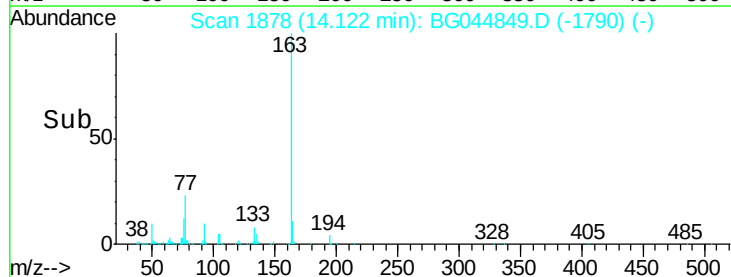
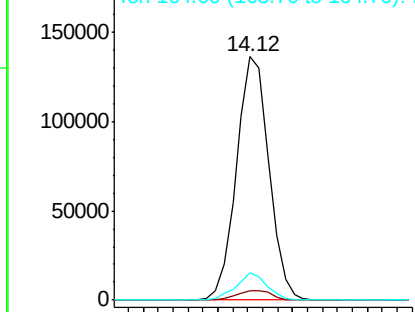


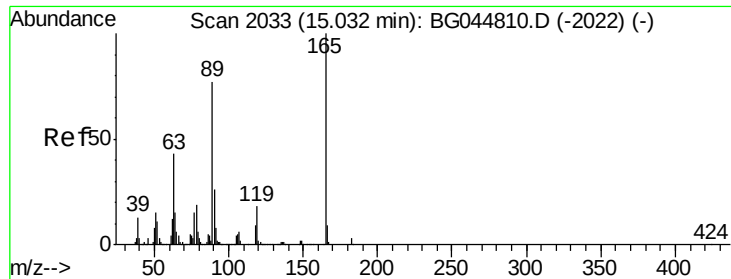
#50
Dimethylphthalate
Concen: 10.218 ng
RT: 14.12 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Tgt Ion:163 Resp: 206391
Ion Ratio Lower Upper
163 100
194 4.1 3.7 5.5
164 11.2 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

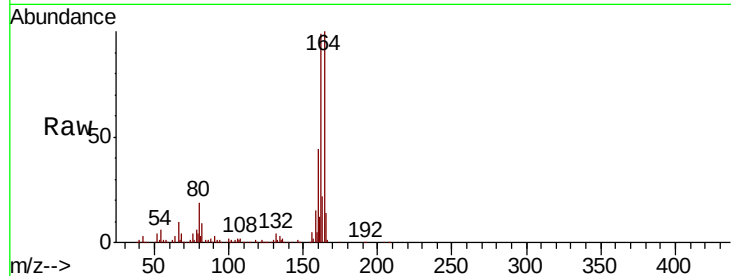




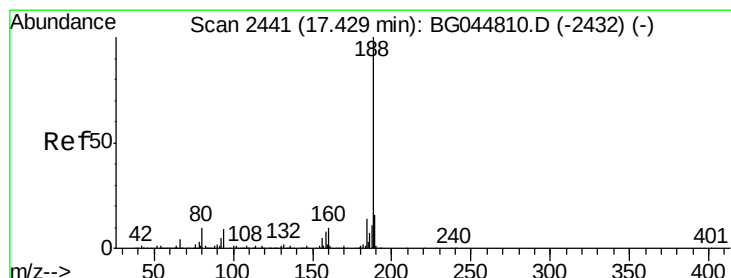
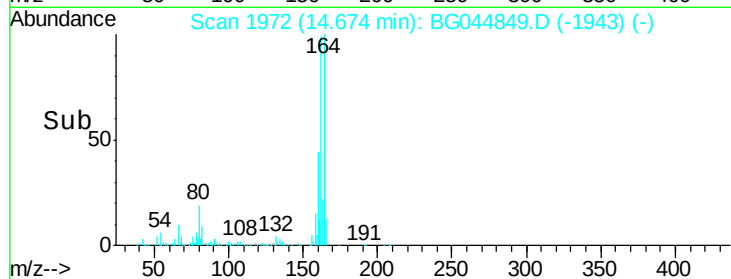
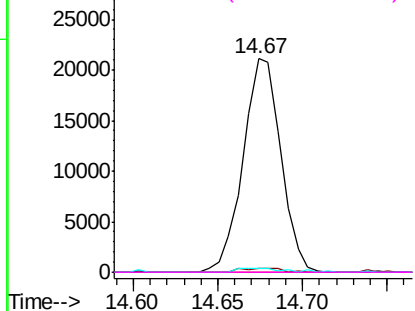
#57
2,4-Dinitrotoluene
Concen: 5.911 ng
RT: 14.67 min Scan# 1972
Delta R.T. -0.36 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:165 Resp: 33005
Ion Ratio Lower Upper
165 100
63 2.0 34.6 52.0#
89 1.8 61.3 91.9#
182 0.0 2.2 3.2#

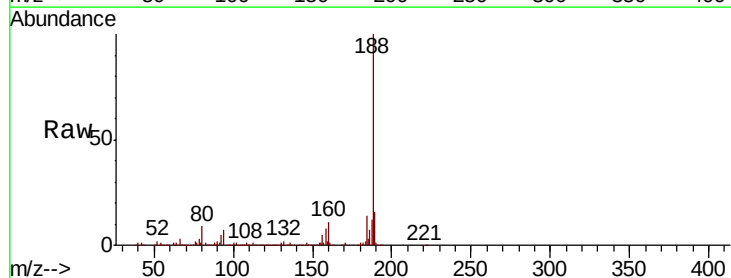


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

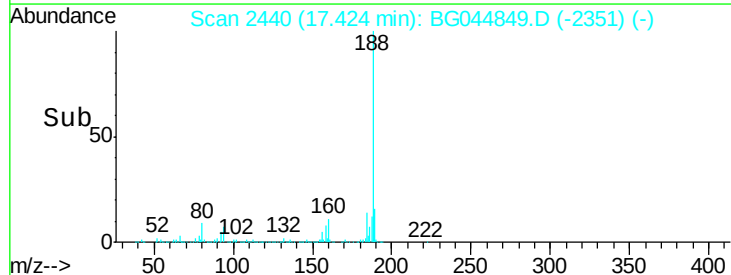
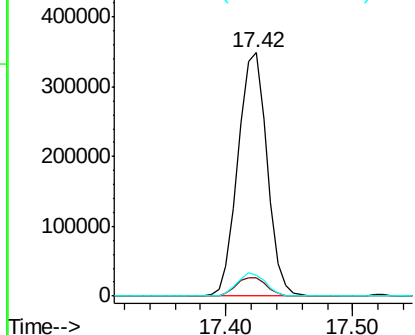


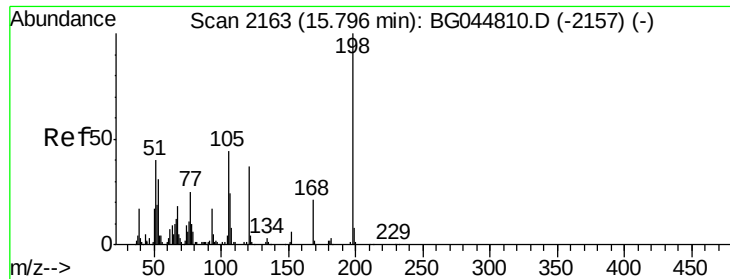
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.42 min Scan# 2440
Delta R.T. -0.01 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Tgt Ion:188 Resp: 554936
Ion Ratio Lower Upper
188 100
94 7.3 7.3 10.9
80 8.7 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

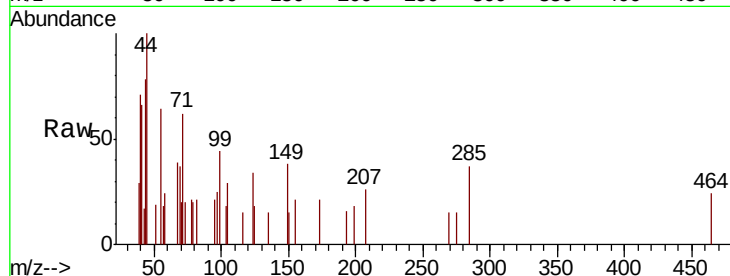




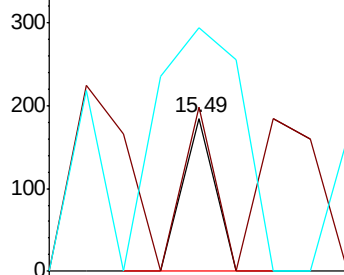
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.749 ng
 RT: 15.49 min Scan# 2111
 Delta R.T. -0.30 min
 Lab File: BG044849.D
 Acq: 18 Mar 2020 1:46

Instrument :
 BNA_N
 ClientSampled :

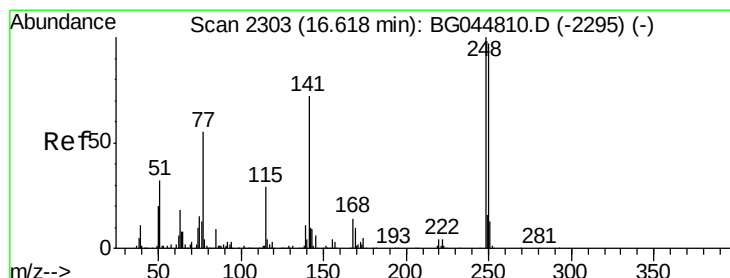
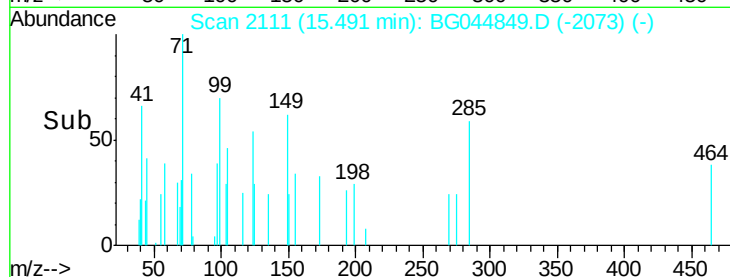
Tot Ion:198 Resp: 65
 Ion Ratio Lower Upper
 198 100
 51 107.6 21.1 61.1#
 105 158.9 24.5 64.5#



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

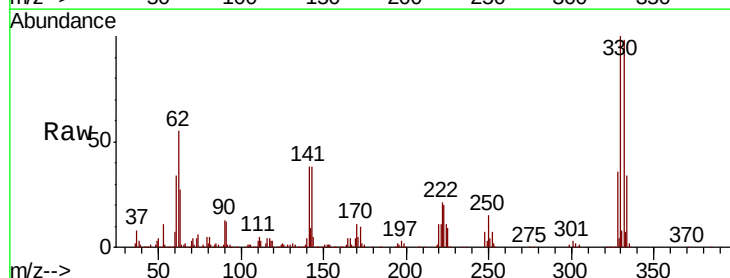


Time-->

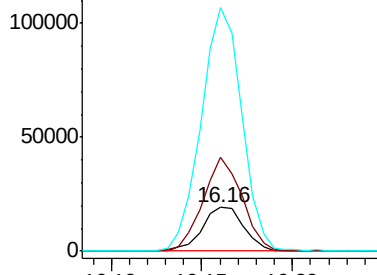


#67
 4-Bromophenyl-phenylether
 Concen: 4.444 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.46 min
 Lab File: BG044849.D
 Acq: 18 Mar 2020 1:46

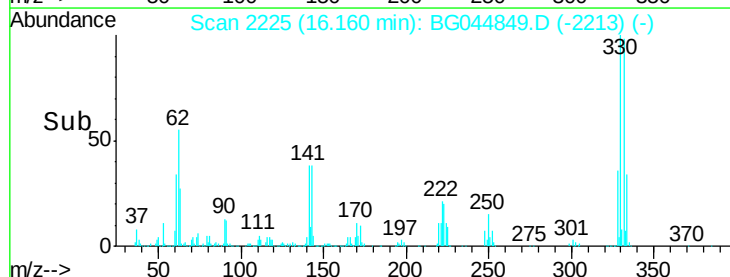
Tgt Ion:248 Resp: 30829
 Ion Ratio Lower Upper
 248 100
 250 213.8 77.9 116.9#
 141 557.0 57.5 86.3#

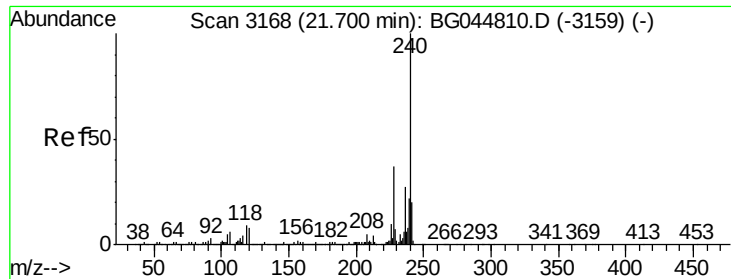


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E



Time-->

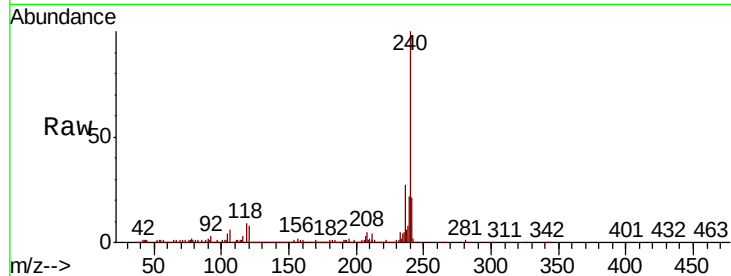




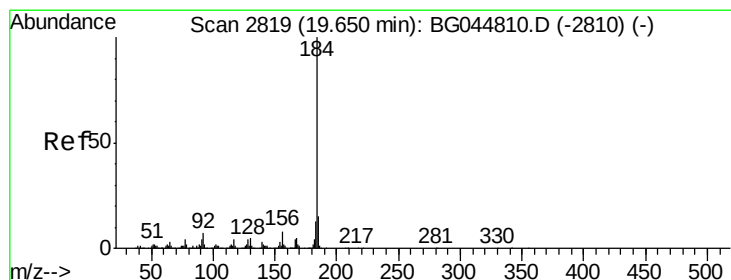
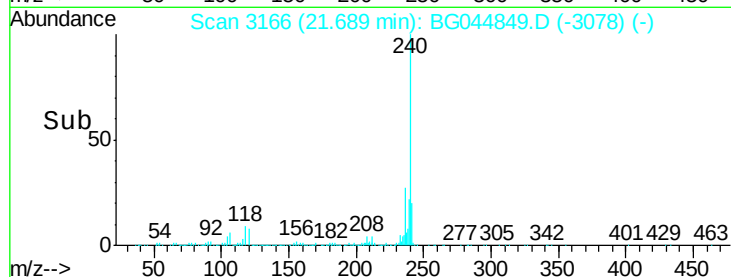
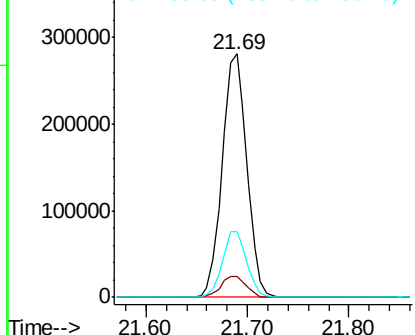
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Instrument :
BNA_N
ClientSampleId :

Tot Ion:240 Resp: 474312
Ion Ratio Lower Upper
240 100
120 8.4 6.7 10.1
236 26.7 21.5 32.3

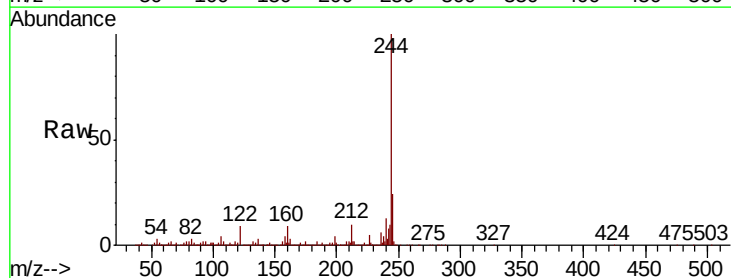


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

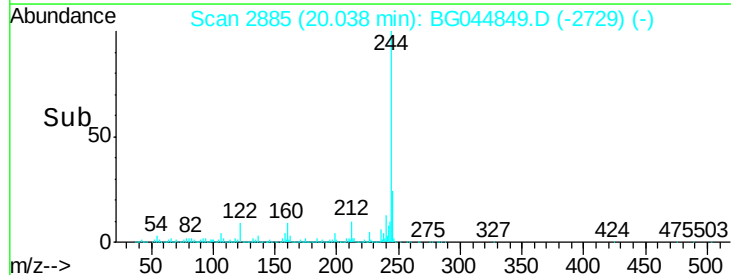
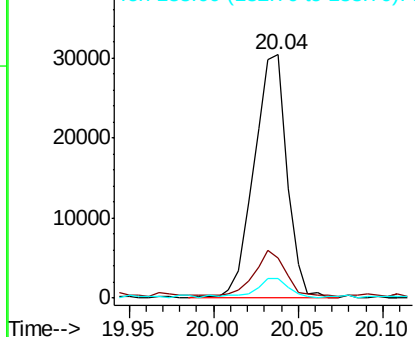


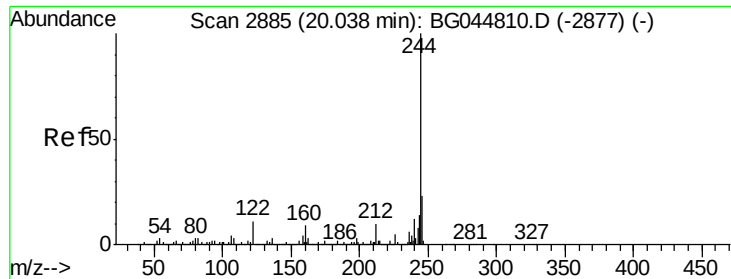
#77
Benzidine
Concen: 2.687 ng
RT: 20.04 min Scan# 2885
Delta R.T. 0.39 min
Lab File: BG044849.D
Acq: 18 Mar 2020 1:46

Tgt Ion:184 Resp: 41378
Ion Ratio Lower Upper
184 100
185 16.6 12.2 18.4
183 8.2 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





#79

Terphenyl-d14

Concen: 83.344 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.01 min

Lab File: BG044849.D

Acq: 18 Mar 2020 1:46

Instrument :

BNA_N

ClientSampleId :

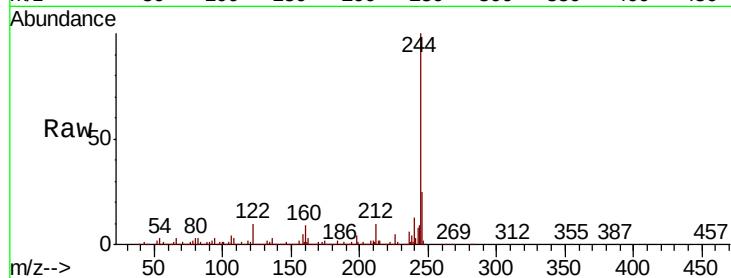
Tot Ion:244 Resp: 2113334

Ion Ratio Lower Upper

244 100

212 9.9 7.7 11.5

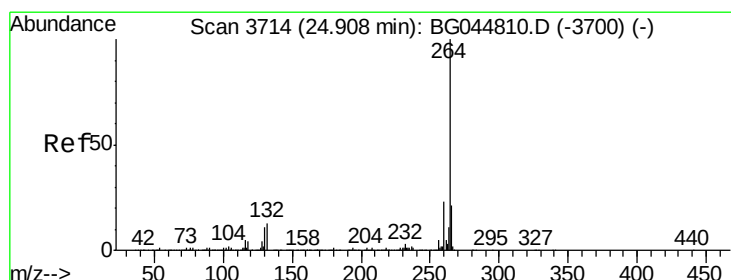
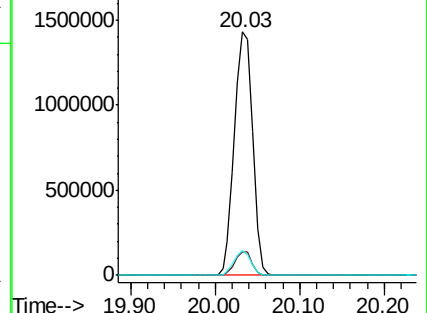
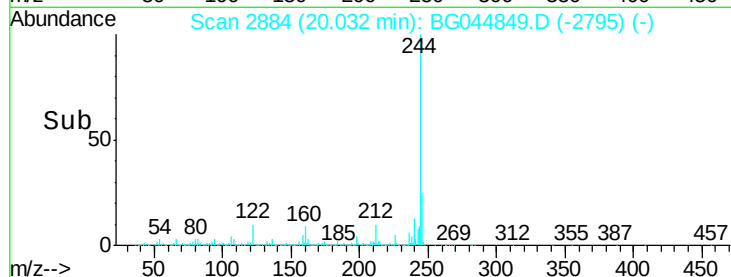
122 10.1 8.6 12.8



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: 24.89 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG044849.D

Acq: 18 Mar 2020 1:46

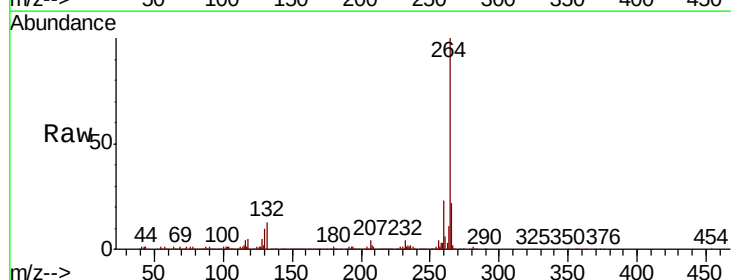
Tgt Ion:264 Resp: 551591

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.7 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

