

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
 Data File : BF120865.D
 Acq On : 14 Jul 2020 17:19
 Operator : JU/CG
 Sample : L3179-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HR-05-071320

Quant Time: Jul 14 17:46:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

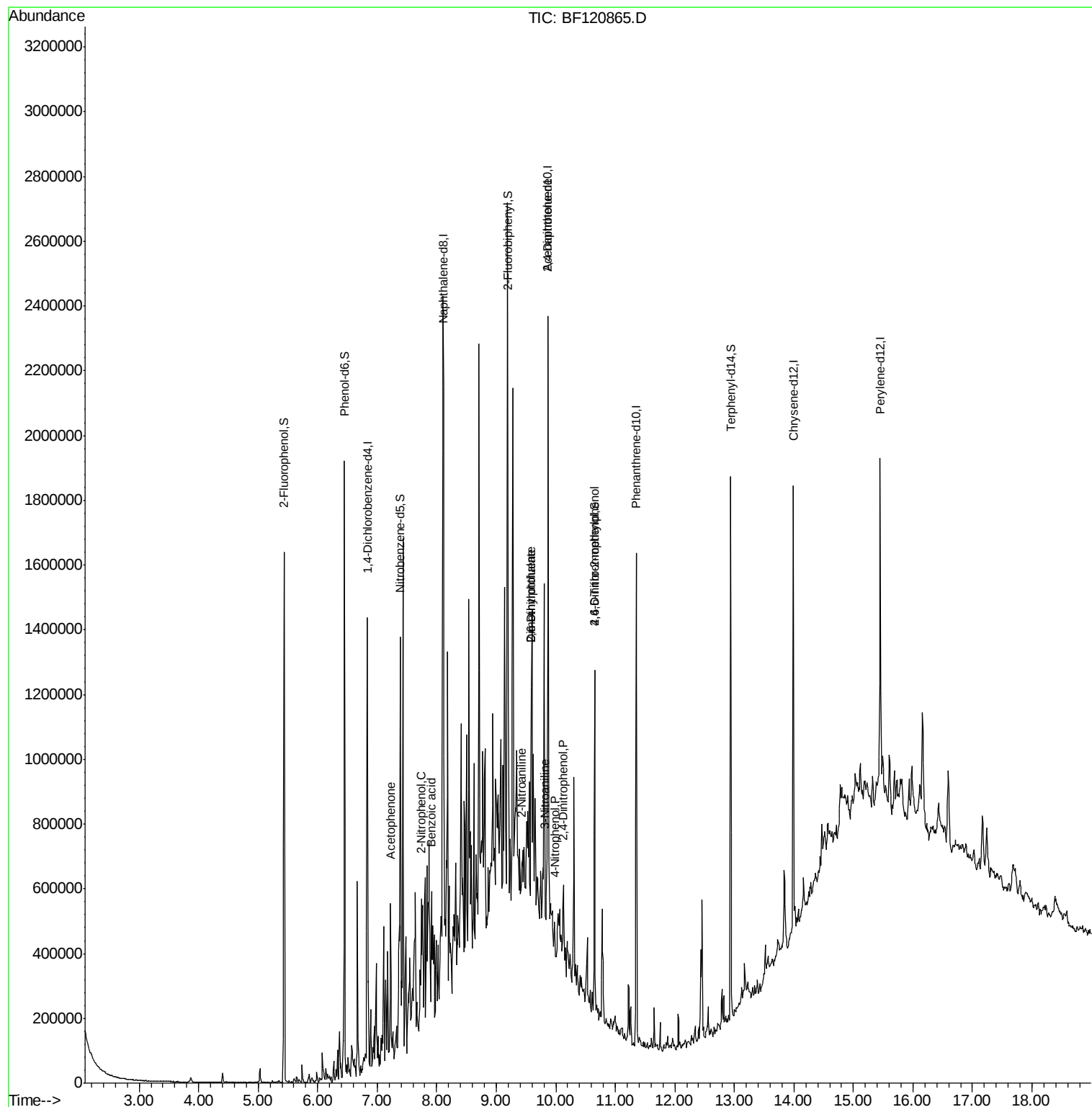
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	203154	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	729707	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	343501	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	547904	20.00	ng	0.00
76) Chrysene-d12	13.99	240	458182	20.00	ng	-0.01
86) Perylene-d12	15.45	264	474354	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	479596	36.44	ng	0.00
7) Phenol-d6	6.45	99	570841	33.97	ng	-0.01
23) Nitrobenzene-d5	7.39	82	348747	27.69	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	116494	33.76	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	644684	28.40	ng	0.00
79) Terphenyl-d14	12.94	244	495231	21.16	ng	0.00
Target Compounds						
22) Acetophenone	7.23	105	36627	2.019	ng	# 48
26) 2-Nitrophenol	7.73	139	1553	4.208	ng	# 1
32) Benzoic acid	7.91	122	2043	4.467	ng	# 6
48) 2-Nitroaniline	9.43	65	1305	2.805	ng	# 9
50) Dimethylphthalate	9.58	163	89011	3.552	ng	# 97
51) 2,6-Dinitrotoluene	9.58	165	1803	2.622	ng	# 64
53) 3-Nitroaniline	9.82	138	906	2.305	ng	# 46
54) 2,4-Dinitrophenol	10.13	184	138	9.593	ng	# 1
56) 4-Nitrophenol	9.98	139	1296	2.366	ng	# 1
57) 2,4-Dinitrotoluene	9.87	165	49199	10.498	ng	# 16
65) 4,6-Dinitro-2-methylphenol	10.65	198	121	7.053	ng	# 1

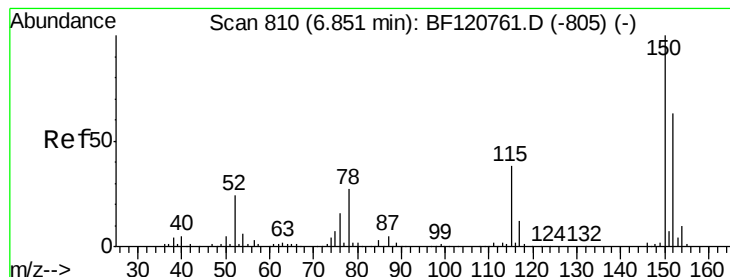
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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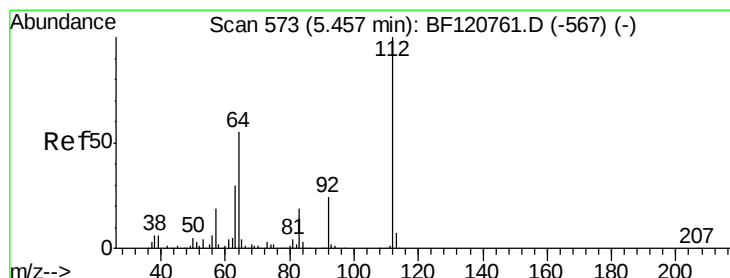
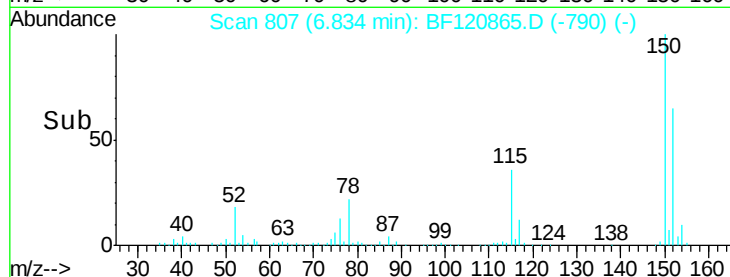
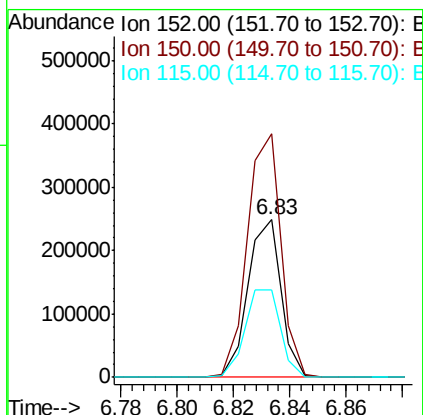
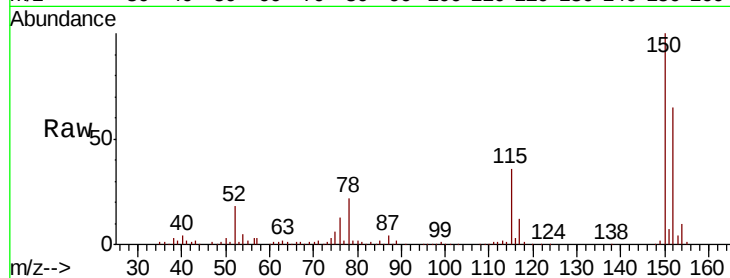


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Instrument :
BNA_P
ClientSampleId :
HR-05-071320

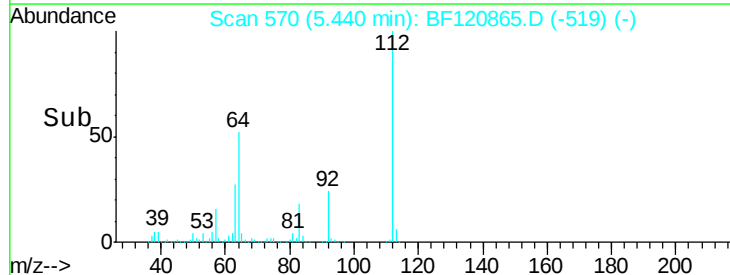
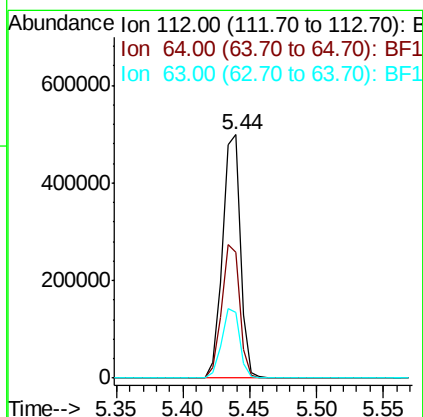
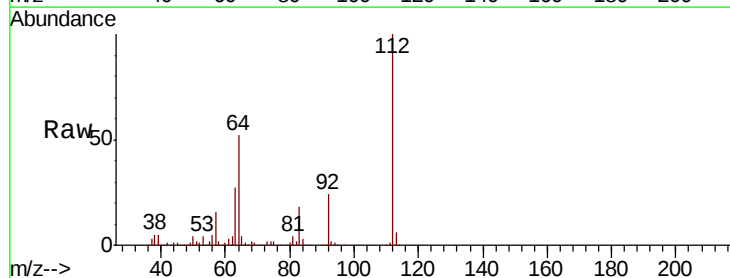
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	126.1	189.1
115	56.0	48.5	72.7

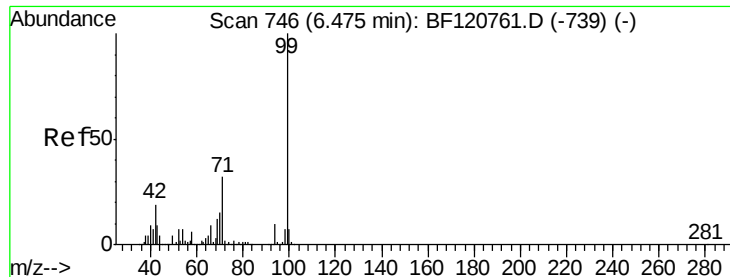


#5

2-Fluorophenol
Concen: 36.442 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	43.8	65.6
63	27.0	23.6	35.4





#7

Phenol-d6

Concen: 33.965 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF120865.D

Acq: 14 Jul 2020 17:19

Instrument :

BNA_P

ClientSampleId :

HR-05-071320

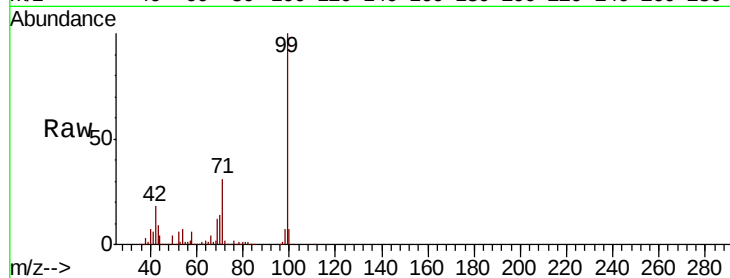
Tot Ion: 99 Resp: 570841

Ion Ratio Lower Upper

99 100

42 17.7 15.4 23.0

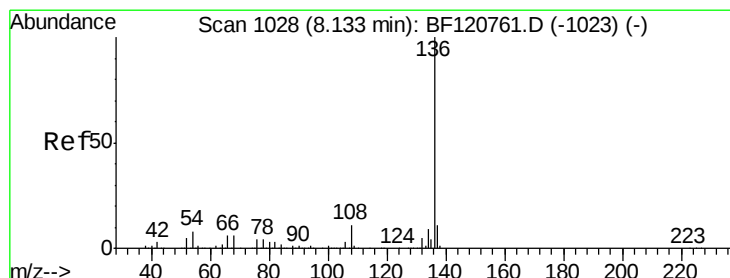
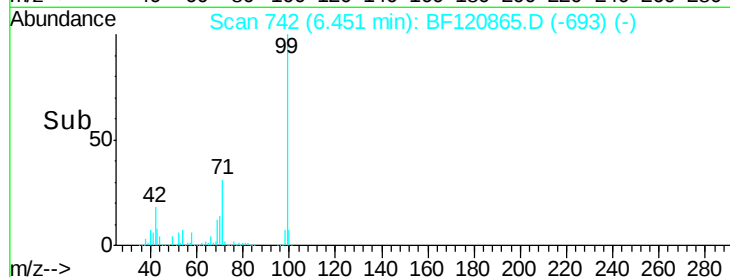
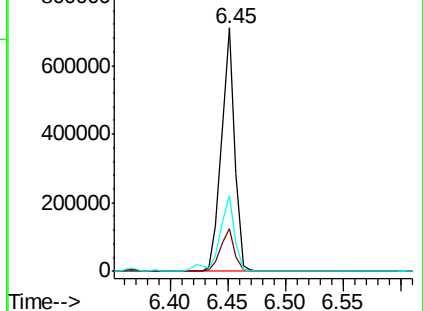
71 31.2 25.9 38.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF120865.D

Acq: 14 Jul 2020 17:19

Tgt Ion: 136 Resp: 729707

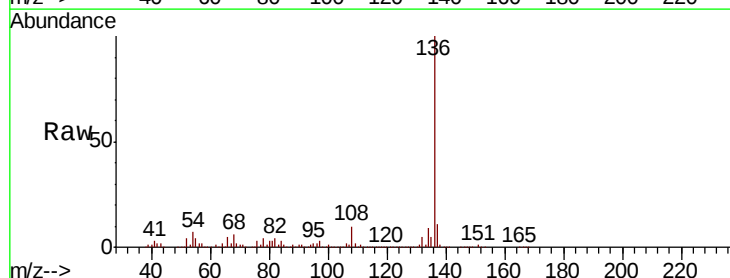
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 7.3 6.2 9.4

68 6.2 4.7 7.1

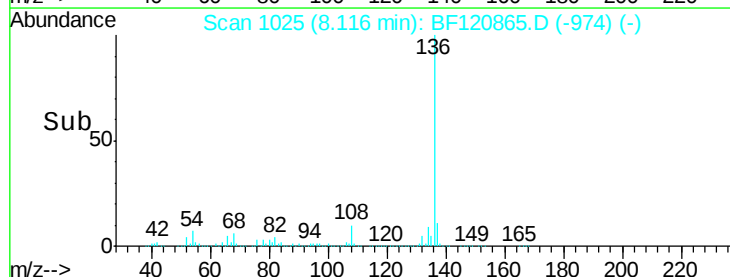
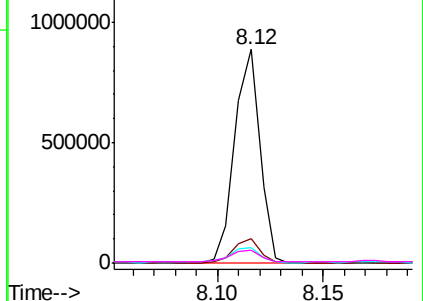


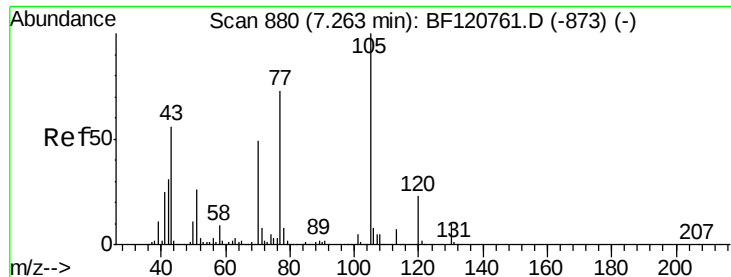
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

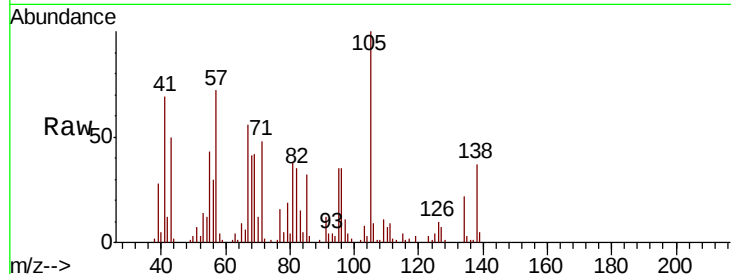




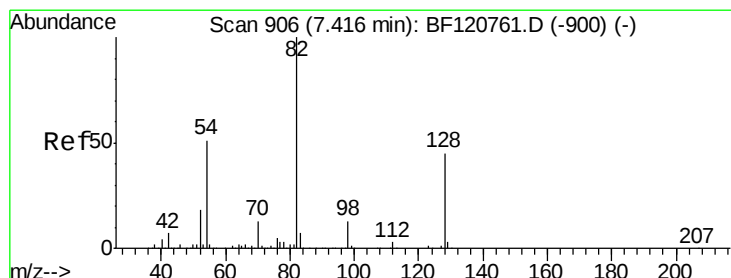
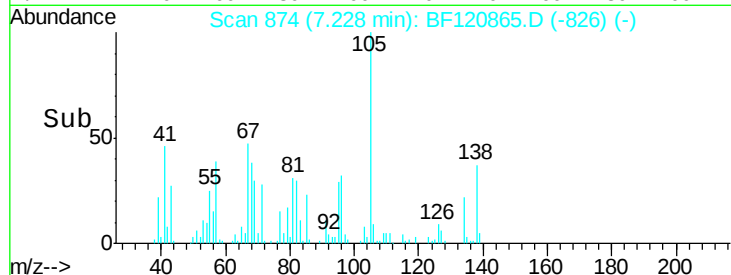
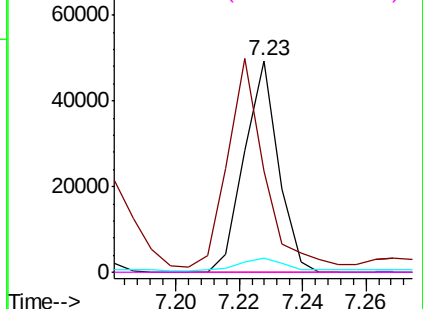
#22
Acetophenone
Concen: 2.019 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.02 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Instrument :
BNA_P
ClientSampleId :
HR-05-071320

Tot Ion:105 Resp: 36627
Ion Ratio Lower Upper
105 100
71 47.8 6.5 9.7#
51 6.9 21.0 31.4#
120 0.0 18.6 28.0#

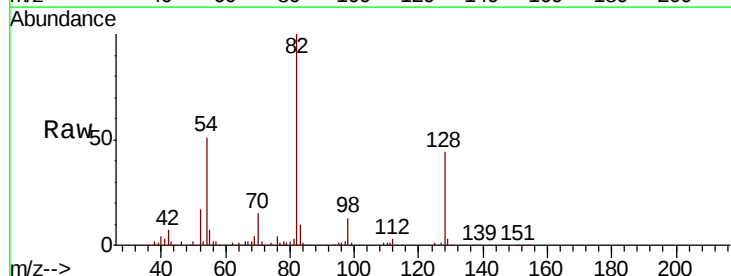


Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E

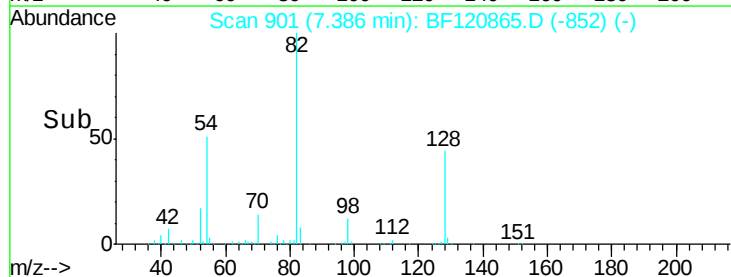
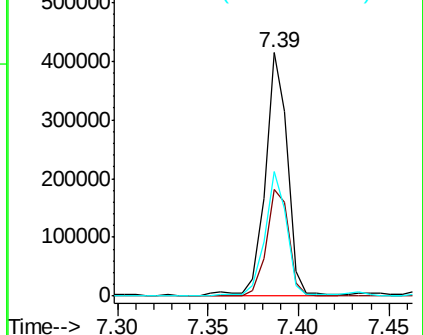


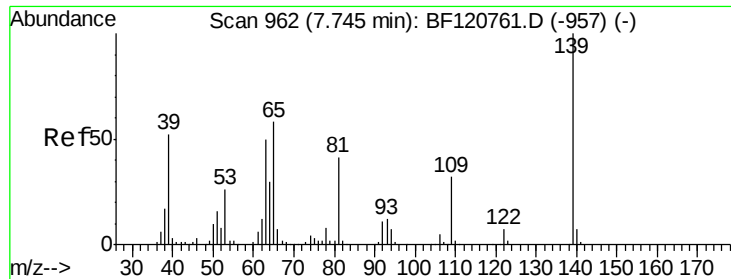
#23
Nitrobenzene-d5
Concen: 27.690 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Tgt Ion: 82 Resp: 348747
Ion Ratio Lower Upper
82 100
128 43.6 35.7 53.5
54 51.0 40.9 61.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

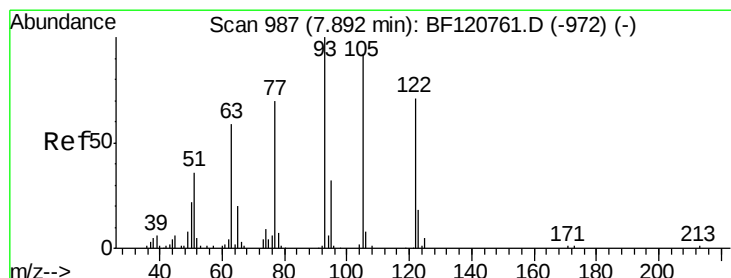
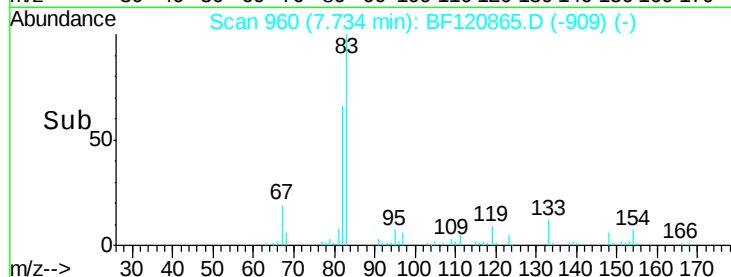
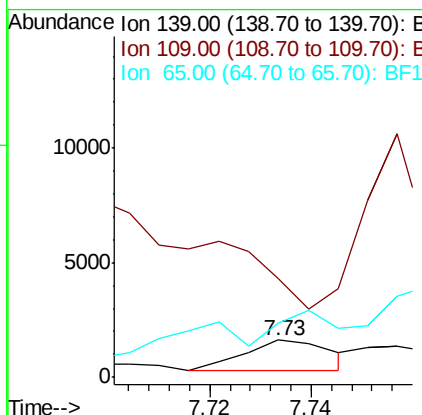
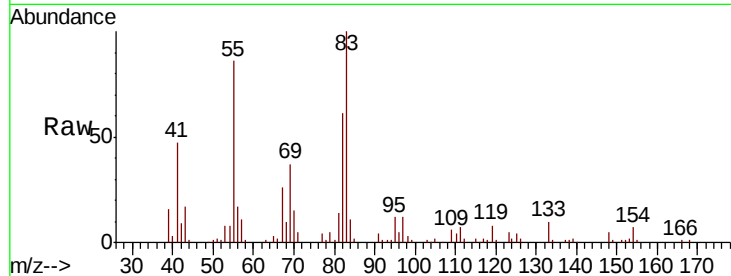




#26
2-Nitrophenol
Concen: 4.208 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.00 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

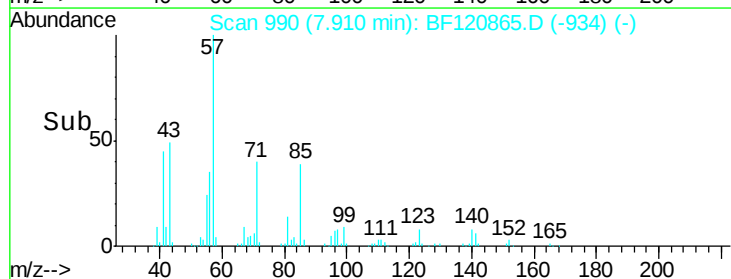
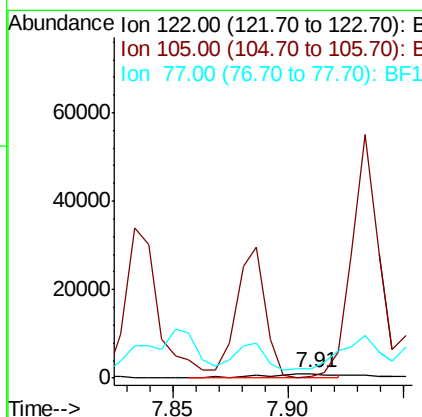
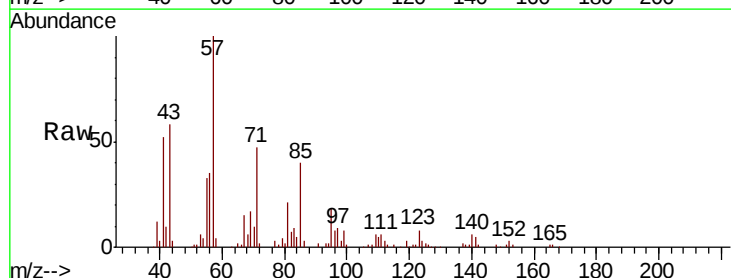
Instrument :
BNA_P
ClientSampleId :
HR-05-071320

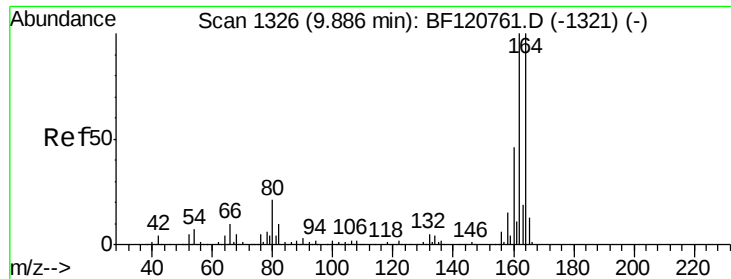
Tot Ion	Ratio	Lower	Upper
139	100		
109	264.6	25.3	37.9#
65	146.0	46.2	69.2#



#32
Benzoic acid
Concen: 4.467 ng
RT: 7.91 min Scan# 990
Delta R.T. 0.03 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Tgt Ion	Ratio	Lower	Upper
122	100		
105	38.4	105.8	145.8#
77	211.3	77.3	117.3#

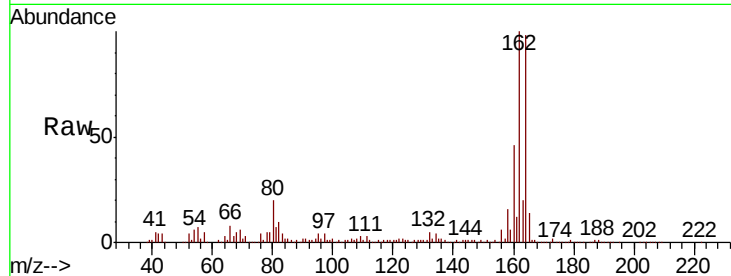




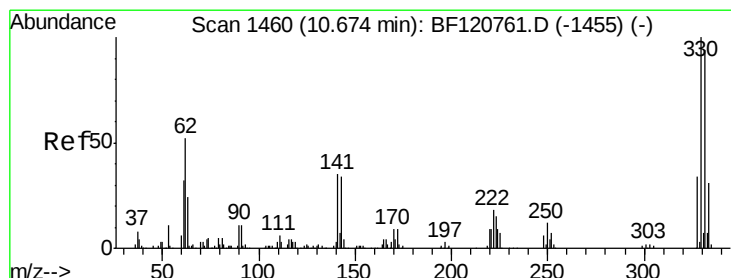
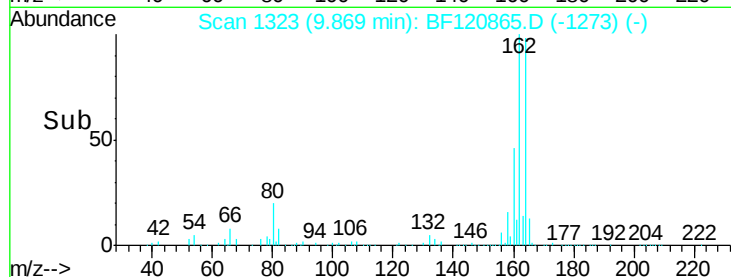
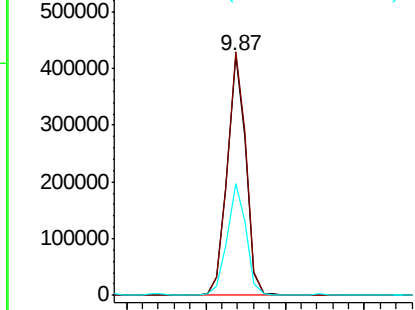
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: BF120865.D
 Acq: 14 Jul 2020 17:19

Instrument :
 BNA_P
 ClientSampleId :
 HR-05-071320

Tot Ion:164 Resp: 343501
 Ion Ratio Lower Upper
 164 100
 162 101.6 80.2 120.2
 160 46.9 36.9 55.3

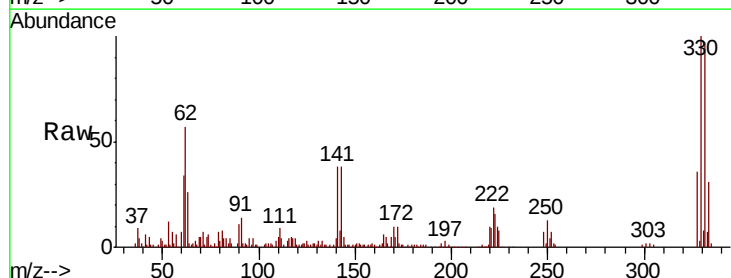


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

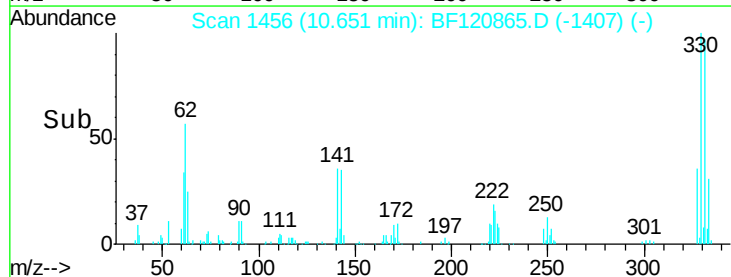
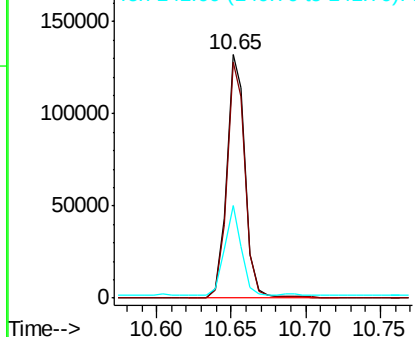


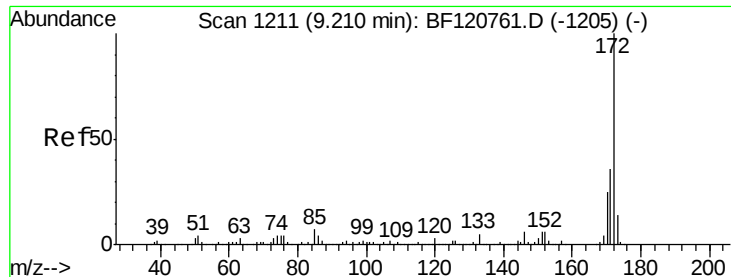
#42
 2,4,6-Tribromophenol
 Concen: 33.757 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF120865.D
 Acq: 14 Jul 2020 17:19

Tgt Ion:330 Resp: 116494
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.8 113.6
 141 33.0 29.7 44.5



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

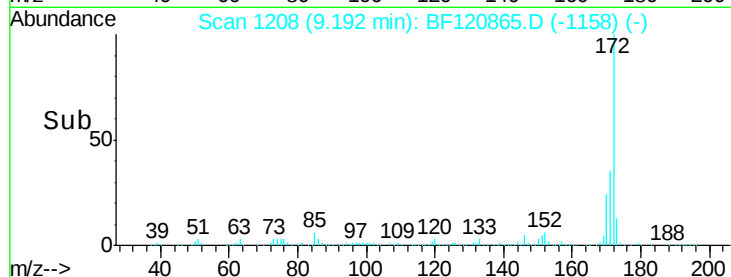
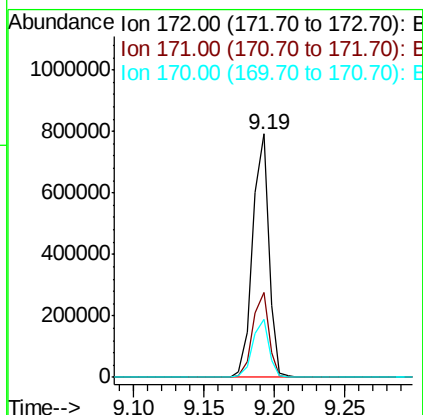
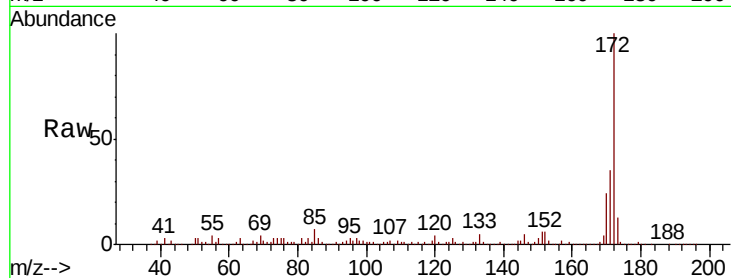




#45
 2-Fluorobiphenyl
 Concen: 28.395 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120865.D
 Acq: 14 Jul 2020 17:19

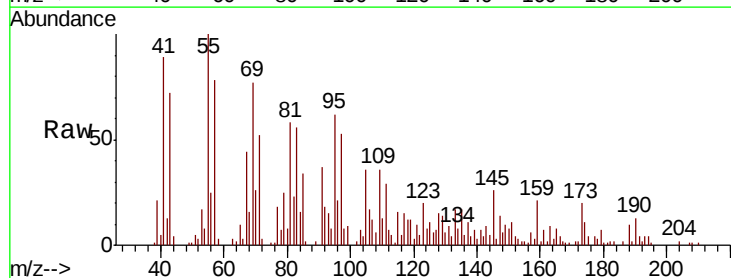
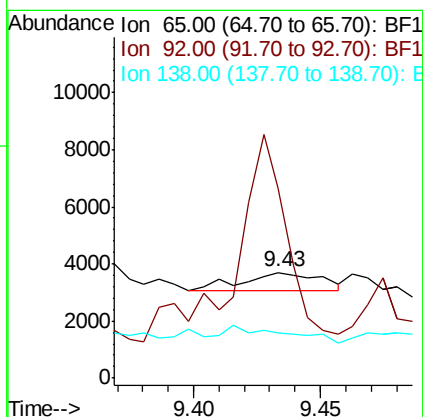
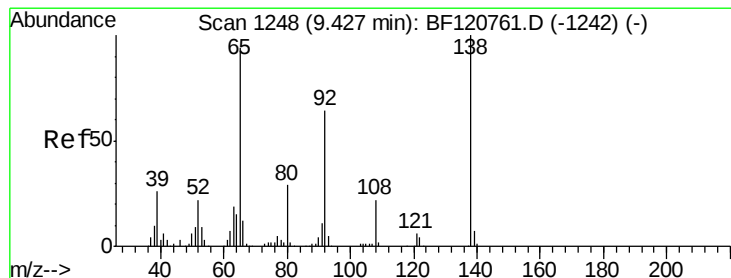
Instrument :
 BNA_P
 ClientSampleId :
 HR-05-071320

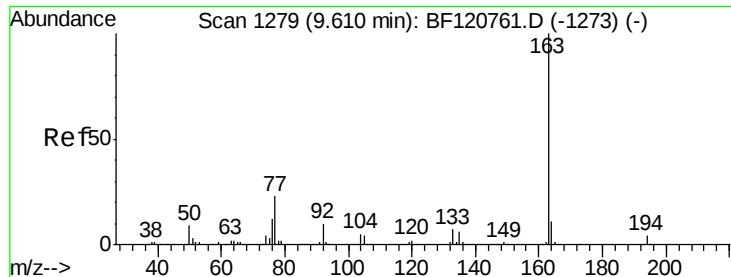
Tot Ion: 172 Resp: 644684
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.1 43.7
 170 24.1 19.8 29.6



#48
 2-Nitroaniline
 Concen: 2.805 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. 0.02 min
 Lab File: BF120865.D
 Acq: 14 Jul 2020 17:19

Tgt Ion: 65 Resp: 1305
 Ion Ratio Lower Upper
 65 100
 92 179.1 54.4 81.6#
 138 42.5 84.7 127.1#

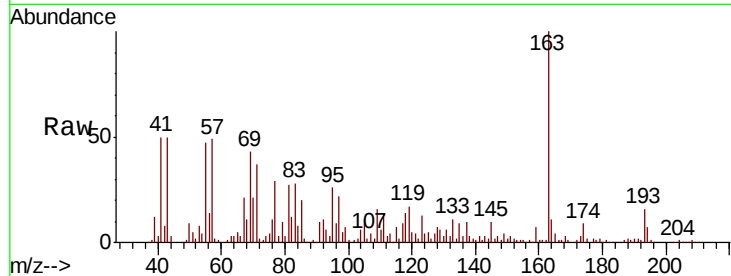




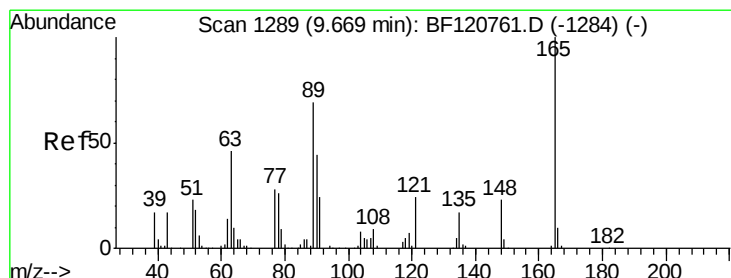
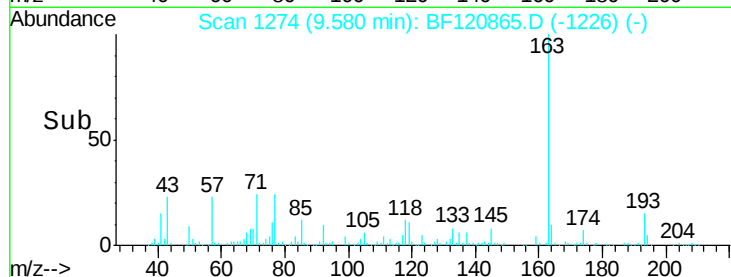
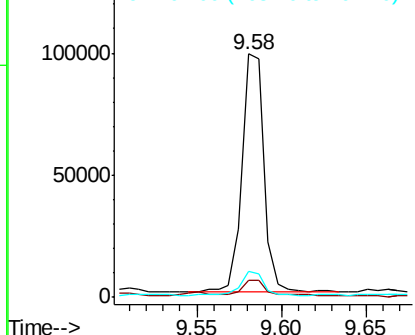
#50
Dimethylphthalate
Concen: 3.552 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Instrument :
BNA_P
ClientSampleId :
HR-05-071320

Tot Ion:163 Resp: 89011
Ion Ratio Lower Upper
163 100
194 6.8 2.9 4.3#
164 10.8 8.5 12.7

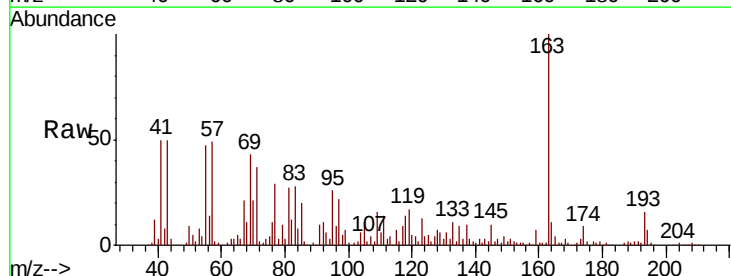


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

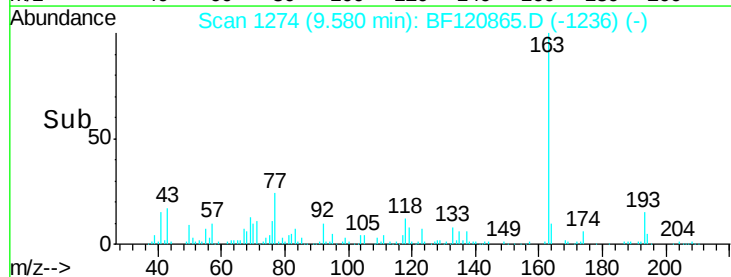
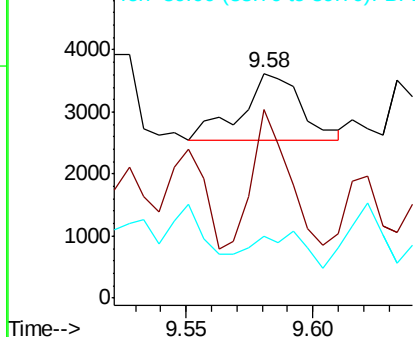


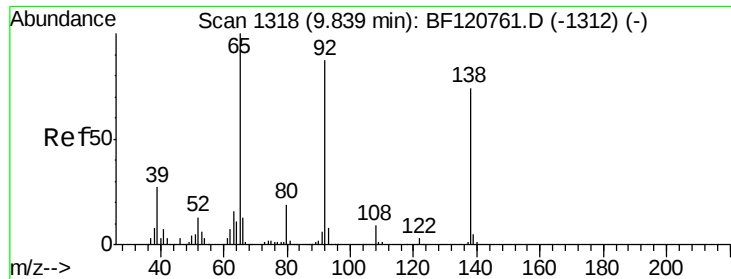
#51
2,6-Dinitrotoluene
Concen: 2.622 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.08 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Tgt Ion:165 Resp: 1803
Ion Ratio Lower Upper
165 100
63 83.7 54.0 81.0#
89 27.3 55.4 83.2#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

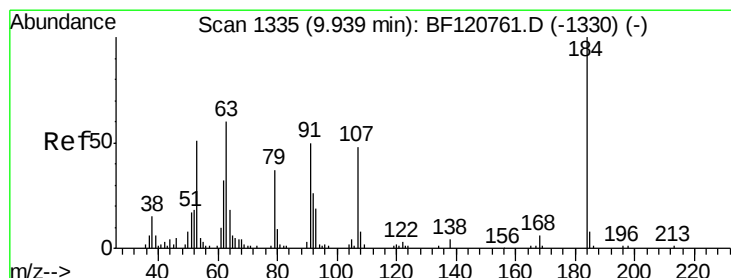
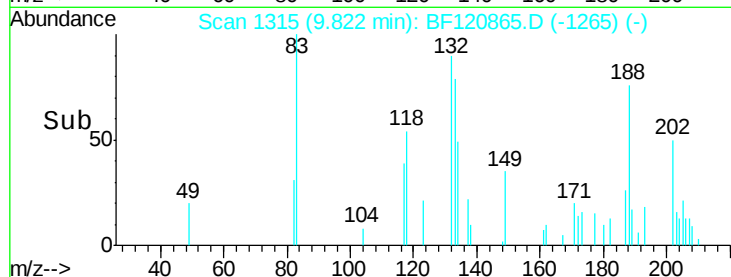
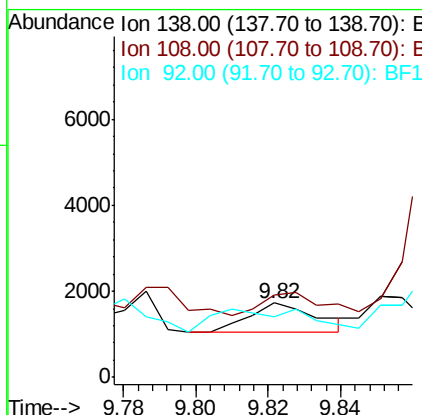
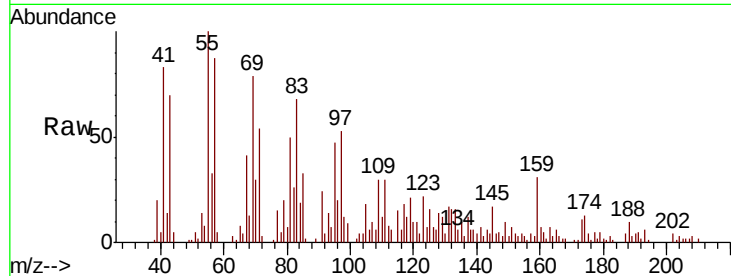




#53
3-Nitroaniline
Concen: 2.305 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

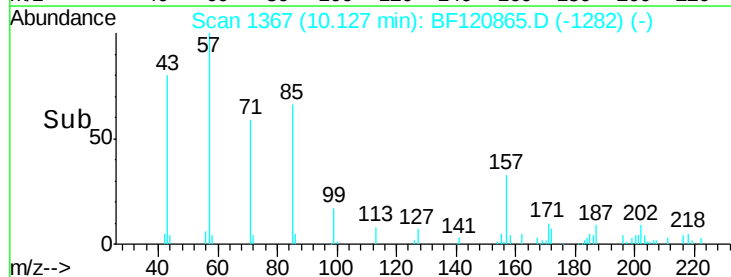
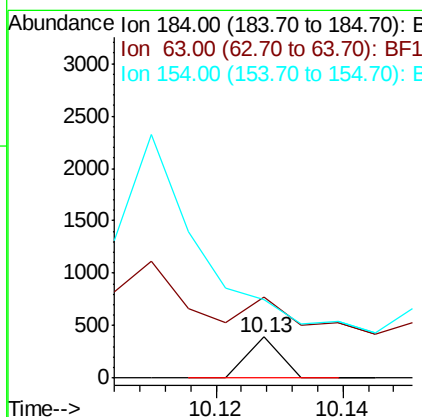
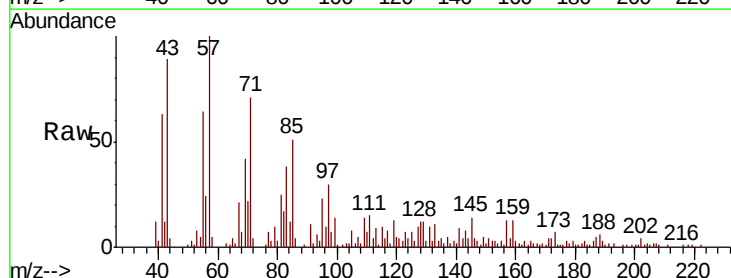
Instrument :
BNA_P
ClientSampleId :
HR-05-071320

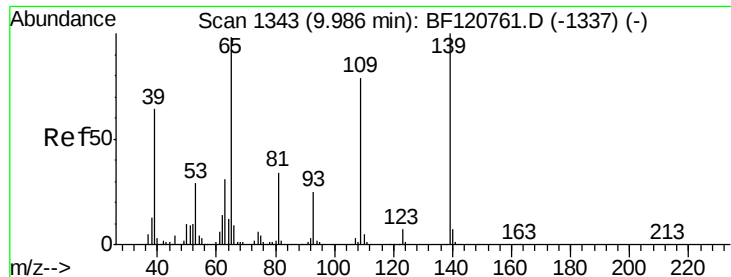
Tot Ion:138 Resp: 906
Ion Ratio Lower Upper
138 100
108 110.8 9.8 14.6#
92 81.0 93.4 140.2#



#54
2,4-Dinitrophenol
Concen: 9.593 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.20 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Tgt Ion:184 Resp: 138
Ion Ratio Lower Upper
184 100
63 196.9 57.3 85.9#
154 189.5 55.8 83.6#

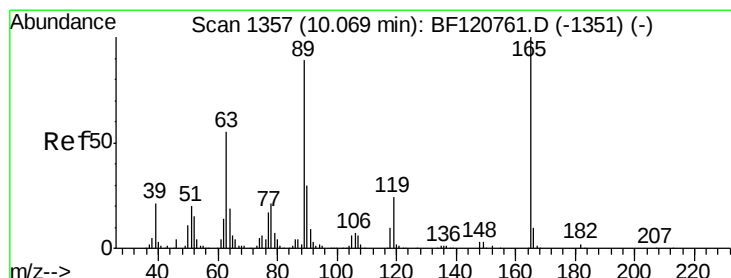
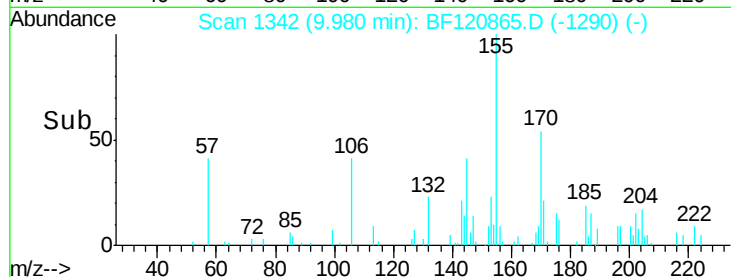
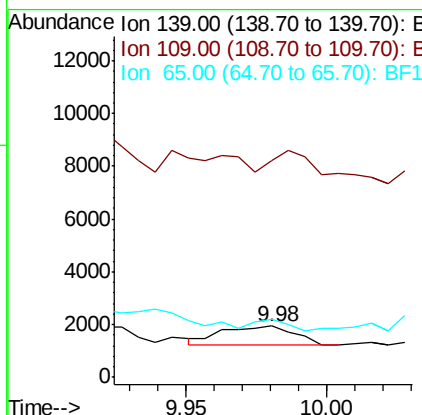
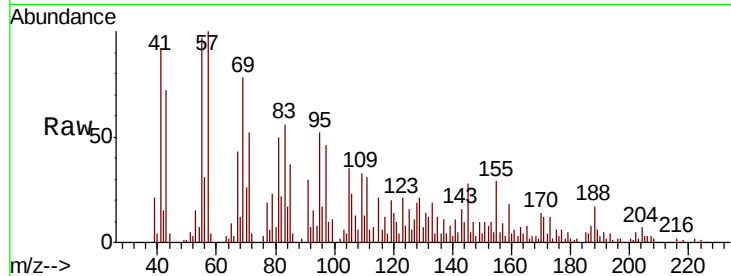




#56
4-Nitrophenol
Concen: 2.366 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

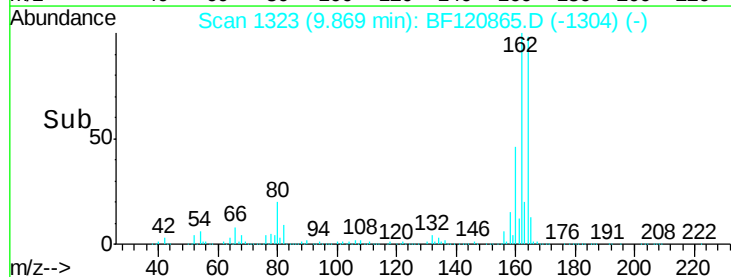
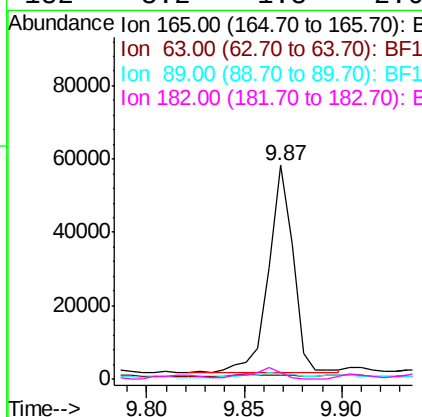
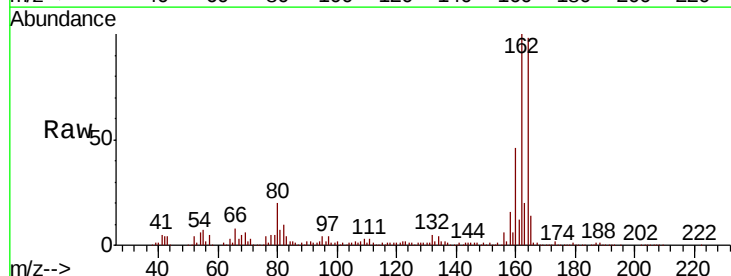
Instrument :
BNA_P
ClientSampleId :
HR-05-071320

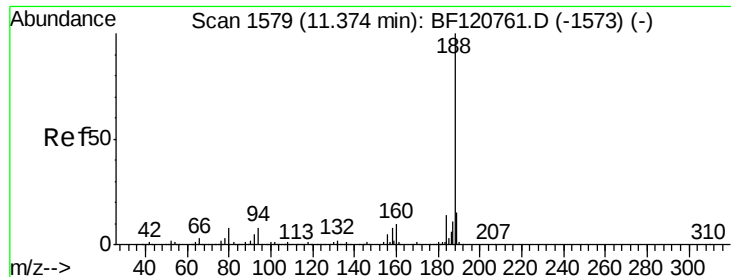
Tot Ion:139 Resp: 1296
Ion Ratio Lower Upper
139 100
109 424.5 58.6 98.6#
65 113.4 78.7 118.7



#57
2,4-Dinitrotoluene
Concen: 10.498 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.19 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Tgt Ion:165 Resp: 49199
Ion Ratio Lower Upper
165 100
63 2.1 43.8 65.8#
89 2.3 71.4 107.2#
182 3.2 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF120865.D

Acq: 14 Jul 2020 17:19

Instrument :

BNA_P

ClientSampleId :

HR-05-071320

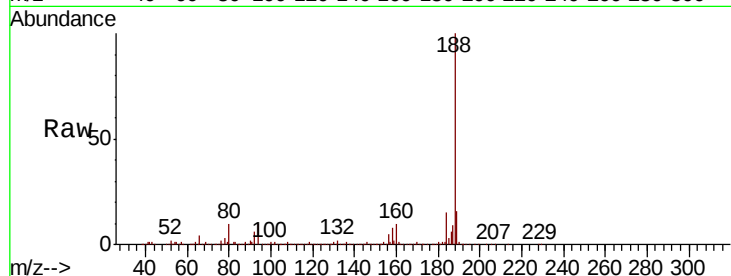
Tot Ion:188 Resp: 547904

Ion Ratio Lower Upper

188 100

94 9.8 6.6 9.8

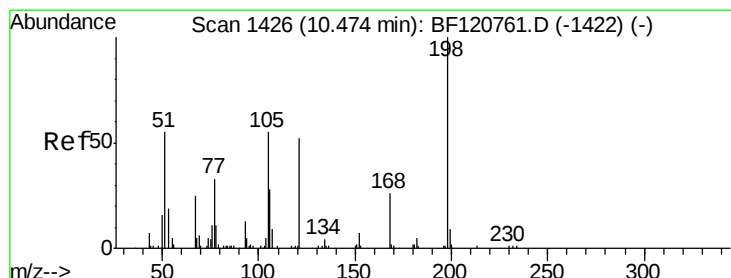
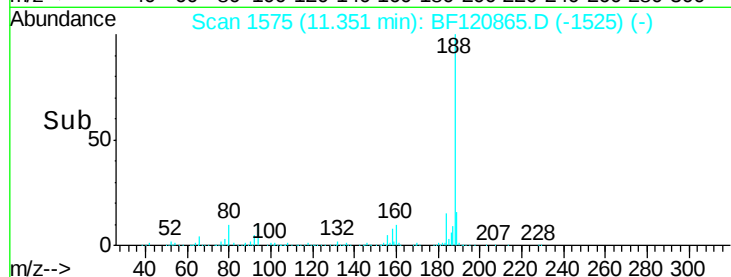
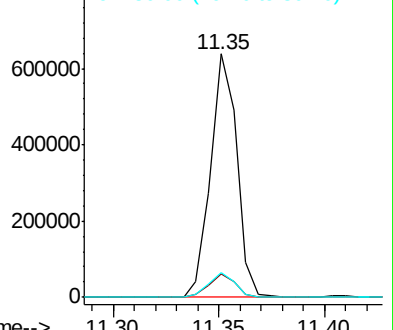
80 10.0 6.6 10.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.053 ng

RT: 10.65 min Scan# 1456

Delta R.T. 0.19 min

Lab File: BF120865.D

Acq: 14 Jul 2020 17:19

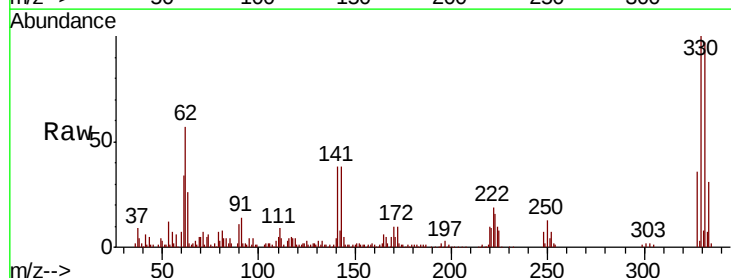
Tgt Ion:198 Resp: 121

Ion Ratio Lower Upper

198 100

51 326.5 50.0 90.0#

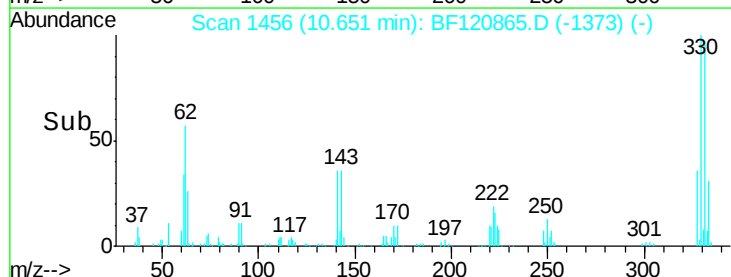
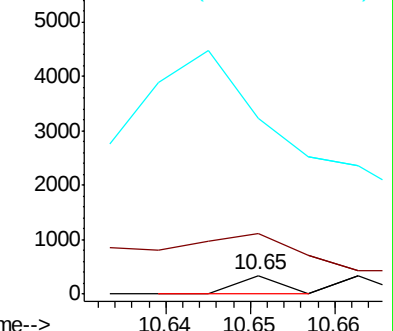
105 939.0 38.3 78.3#

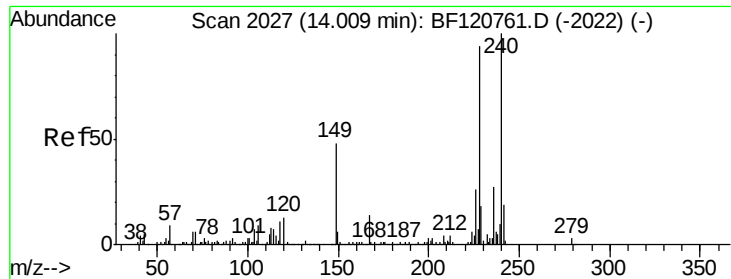


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

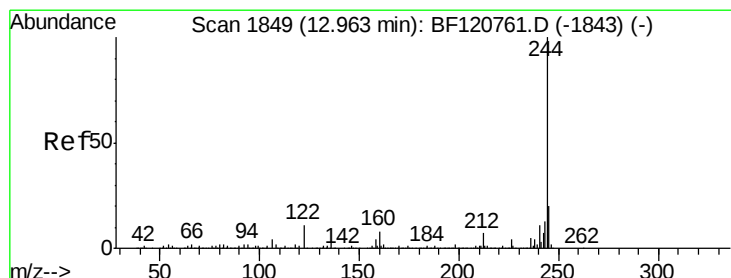
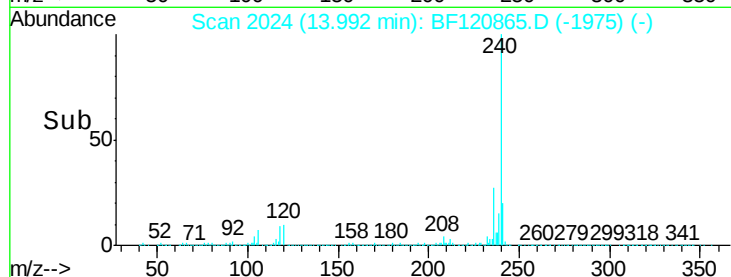
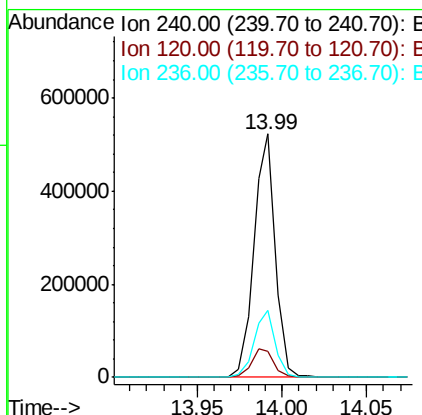
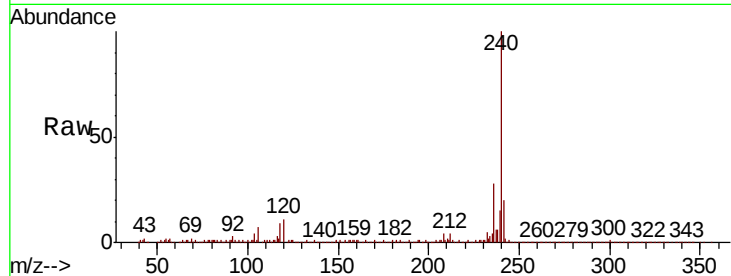




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

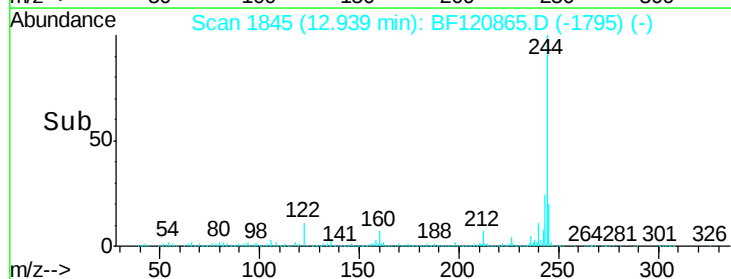
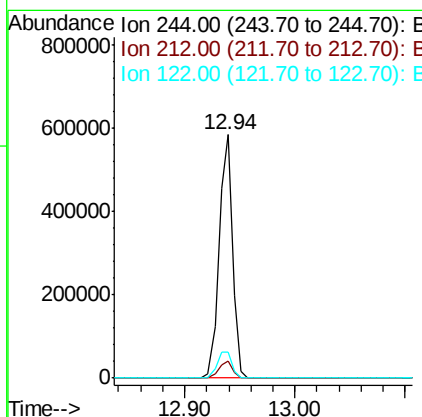
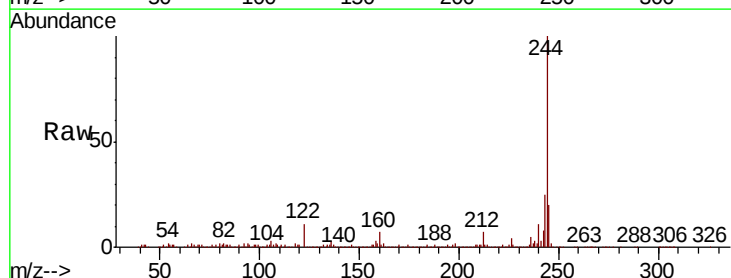
Instrument :
BNA_P
ClientSampleId :
HR-05-071320

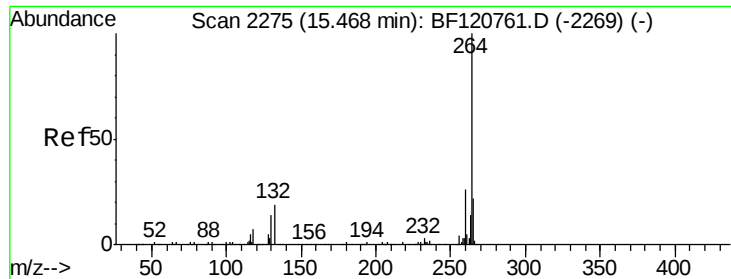
Tot Ion:240 Resp: 458182
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 27.5 21.4 32.2



#79
Terphenyl-d14
Concen: 21.162 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Tgt Ion:244 Resp: 495231
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.6 9.0 13.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF120865.D
Acq: 14 Jul 2020 17:19

Instrument :
BNA_P
ClientSampleId :
HR-05-071320

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	25.2	20.6	30.8	
265	22.1	17.6	26.4	

