

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120837.D
 Acq On : 10 Jul 2020 18:07
 Operator : JU/CG
 Sample : L3255-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-31

Quant Time: Jul 10 18:47:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	192189	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	679231	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	170137	20.00	ng	0.01
64) Phenanthrene-d10	11.42	188	125530	20.00	ng	0.05
76) Chrysene-d12	14.04	240	273064	20.00	ng	0.03
86) Perylene-d12	15.47	264	388794	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	984460	79.07	ng	0.00
7) Phenol-d6	6.47	99	1302909	81.95	ng	0.00
23) Nitrobenzene-d5	7.41	82	903327	77.05	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	124503	72.84	ng	0.02
45) 2-Fluorobiphenyl	9.22	172	1218122	108.32	ng	0.00
79) Terphenyl-d14	13.00	244	565164	40.52	ng	0.04

Target Compounds

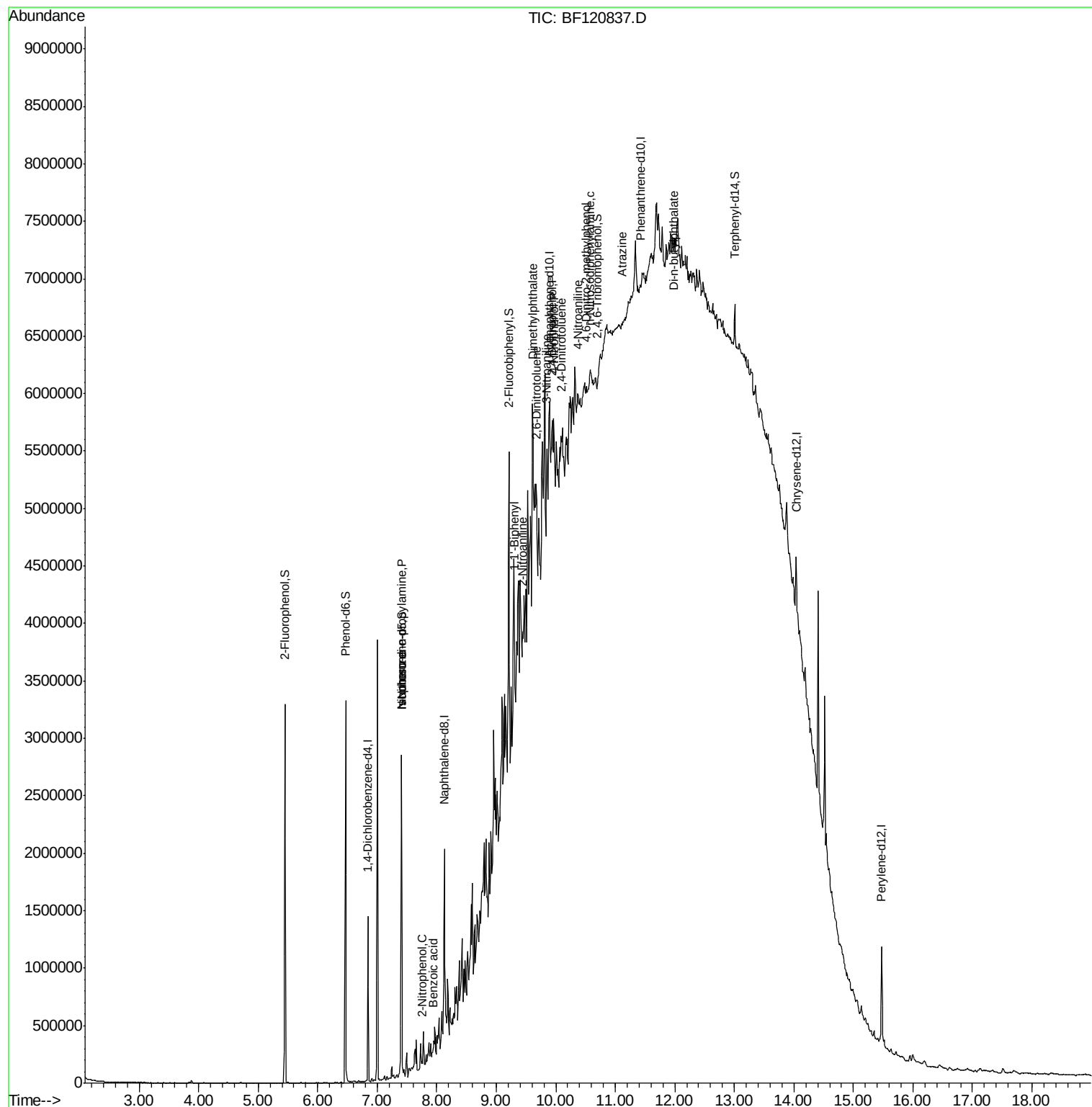
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	125432	13.102	ng	# 75
25) Isophorone	7.41	82	896997	35.479	ng	# 64
26) 2-Nitrophenol	7.75	139	641	4.075	ng	# 1
32) Benzoic acid	7.93	122	3879	4.720	ng	# 2
46) 1,1'-Biphenyl	9.31	154	38642	2.816	ng	# 94
48) 2-Nitroaniline	9.45	65	4380	3.877	ng	# 25
50) Dimethylphthalate	9.60	163	117058	9.432	ng	# 62
51) 2,6-Dinitrotoluene	9.67	165	23676	11.421	ng	# 38
53) 3-Nitroaniline	9.86	138	27694	10.905	ng	# 38
54) 2,4-Dinitrophenol	9.93	184	876	10.326	ng	# 1
56) 4-Nitrophenol	9.97	139	4682	4.094	ng	# 1
57) 2,4-Dinitrotoluene	10.10	165	11171	6.477	ng	# 43
62) 4-Nitroaniline	10.37	138	33497	12.703	ng	# 84
65) 4,6-Dinitro-2-methylphenol	10.52	198	2730	11.424	ng	# 1
66) n-Nitrosodiphenylamine	10.57	169	22169	5.269	ng	# 63
69) Atrazine	11.13	200	19895	18.354	ng	# 1
74) Di-n-butylphthalate	11.99	149	38034	4.645	ng	# 27

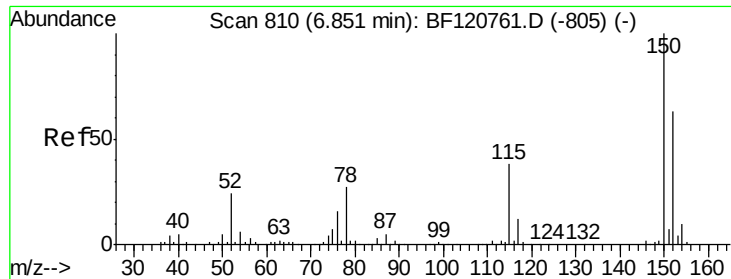
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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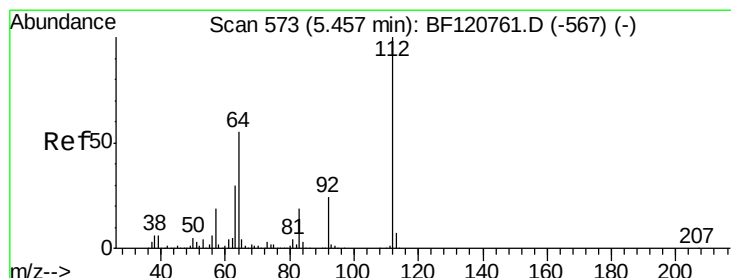
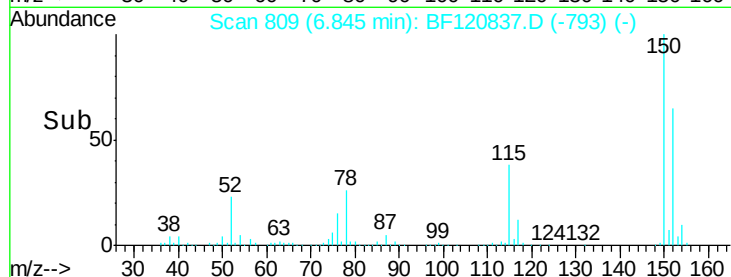
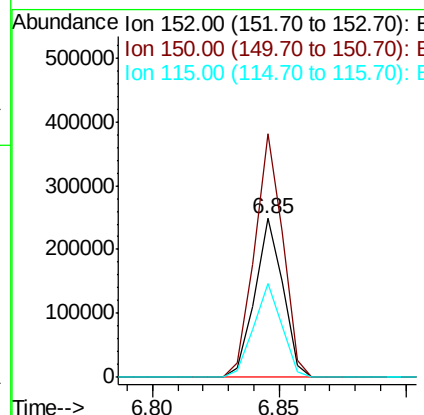
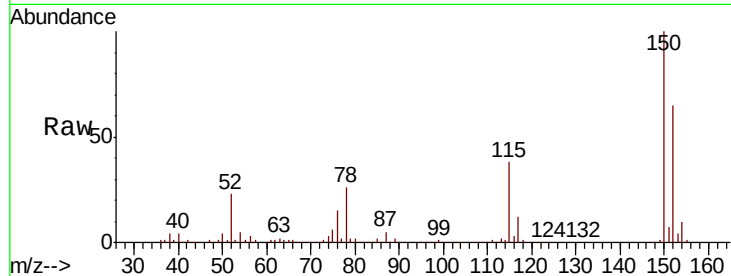




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120837.D
 Acq: 10 Jul 2020 18:07

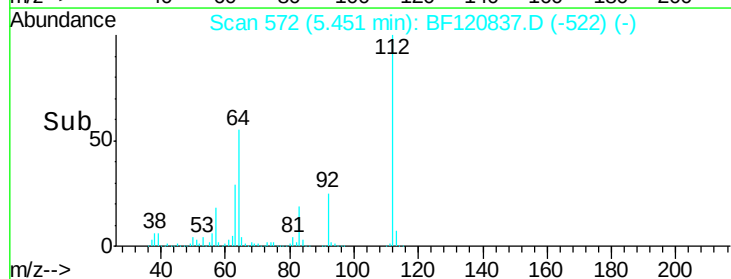
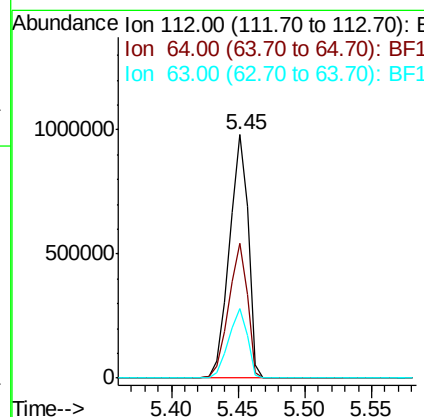
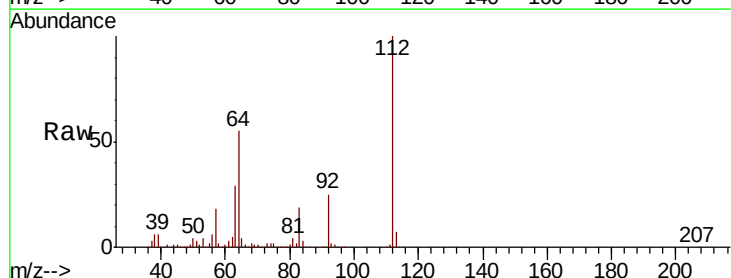
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-31

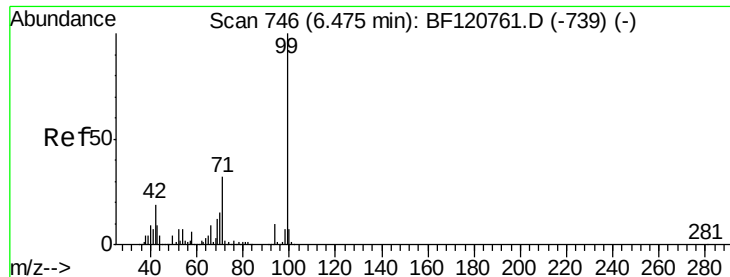
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.1	189.1
115	58.9	48.5	72.7



#5
 2-Fluorophenol
 Concen: 79.071 ng
 RT: 5.45 min Scan# 572
 Delta R.T. -0.01 min
 Lab File: BF120837.D
 Acq: 10 Jul 2020 18:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	43.8	65.6
63	28.6	23.6	35.4





#7

Phenol-d6

Concen: 81.946 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

Instrument :

BNA_F

ClientSampleId :

CHRT-31

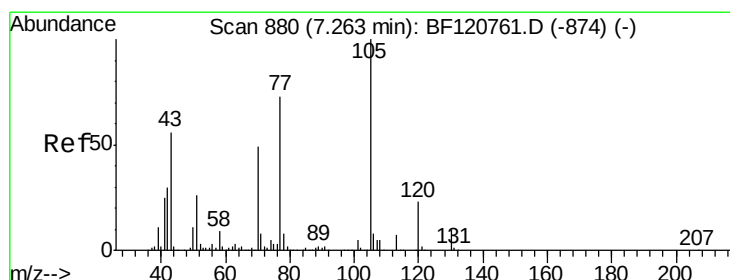
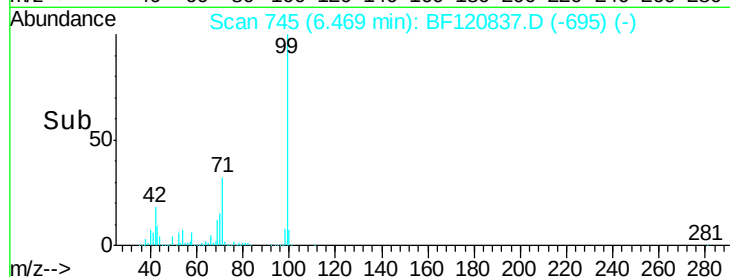
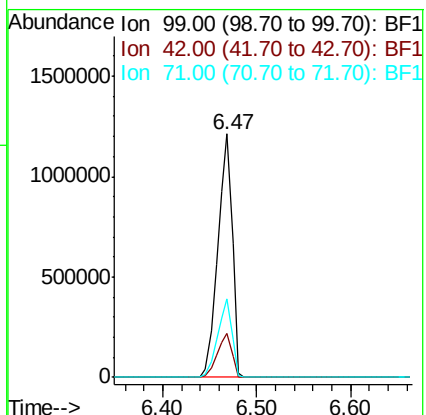
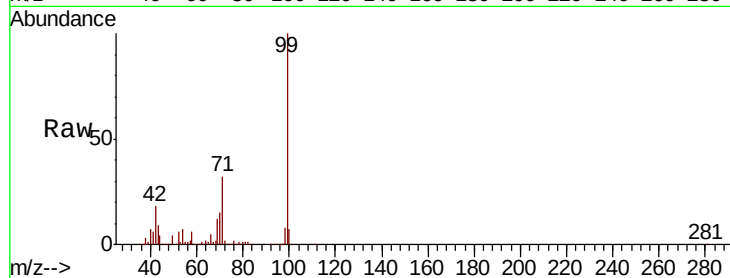
Tot Ion: 99 Resp: 1302909

Ion Ratio Lower Upper

99 100

42 18.0 15.4 23.0

71 32.4 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.102 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

Tgt Ion: 70 Resp: 125432

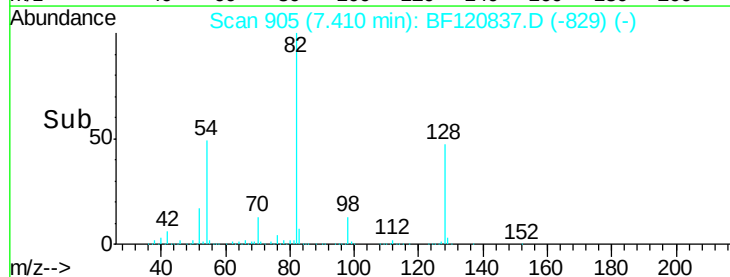
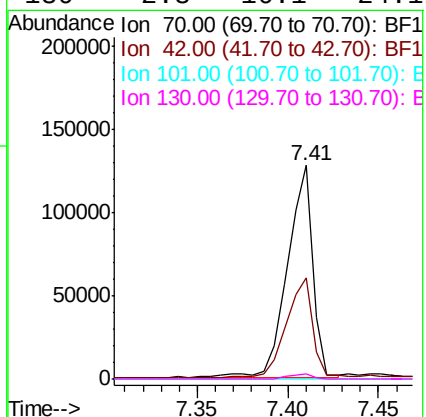
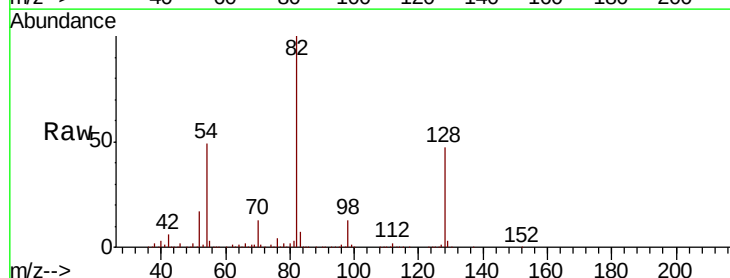
Ion Ratio Lower Upper

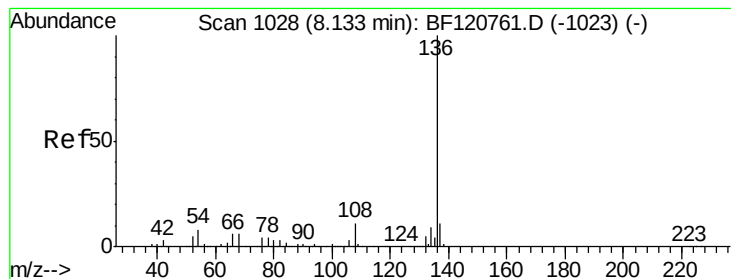
70 100

42 47.3 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

Instrument :

BNA_F

ClientSampleId :

CHRT-31

Tot Ion:136 Resp: 679231

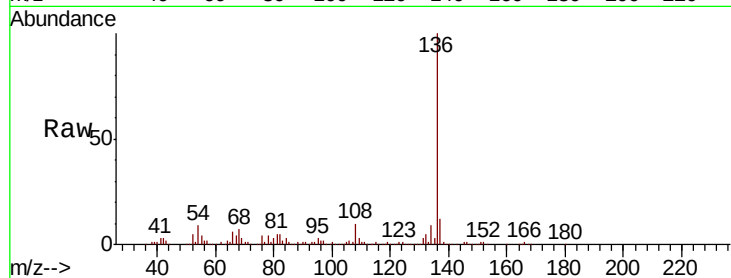
Ion Ratio Lower Upper

136 100

137 11.8 9.0 13.6

54 8.7 6.2 9.4

68 7.4 4.7 7.1#

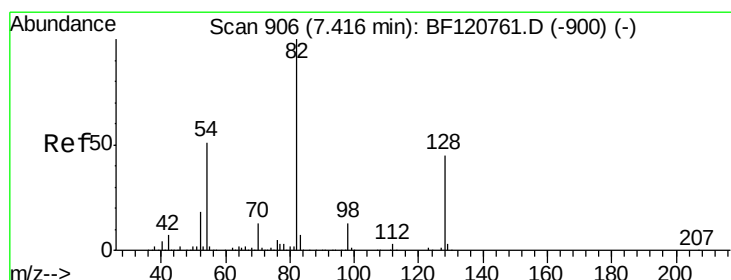
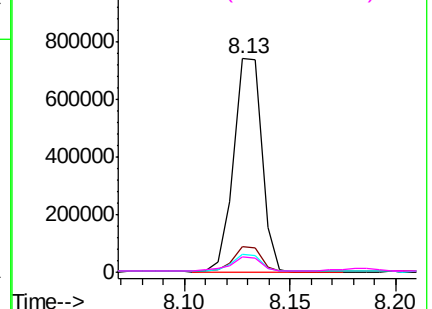
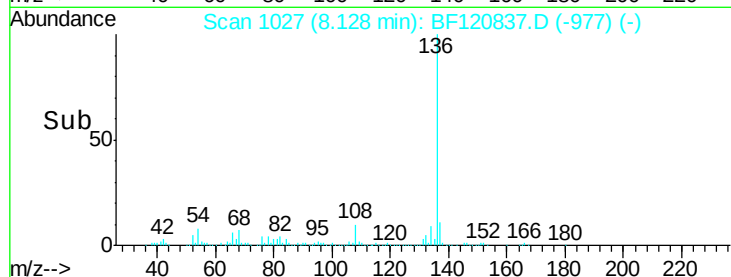


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 77.053 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

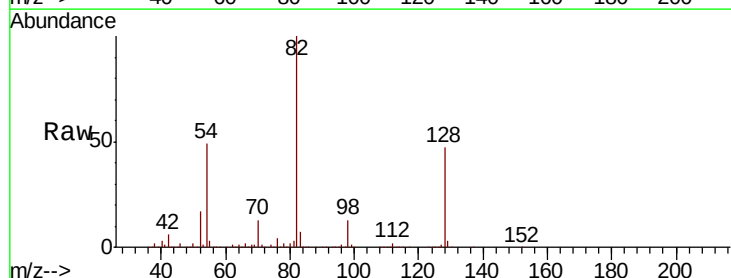
Tgt Ion: 82 Resp: 903327

Ion Ratio Lower Upper

82 100

128 47.1 35.7 53.5

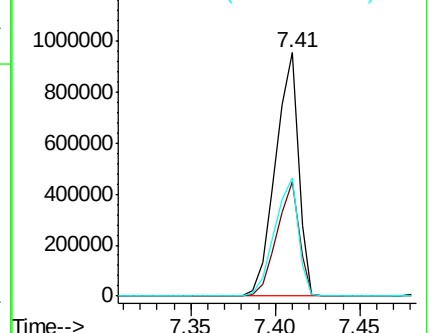
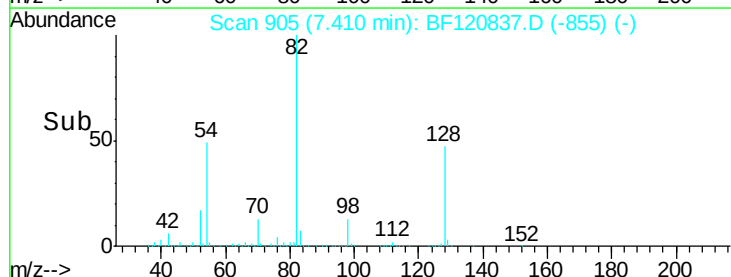
54 48.8 40.9 61.3

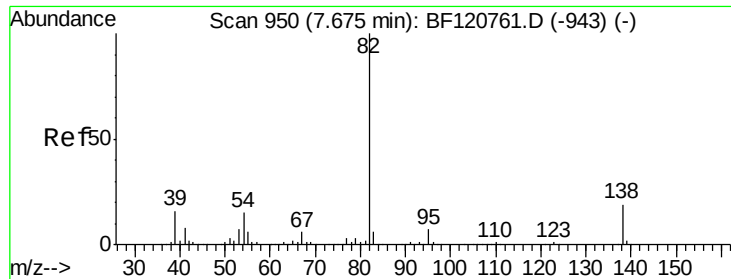


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.479 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

Instrument :

BNA_F

ClientSampleId :

CHRT-31

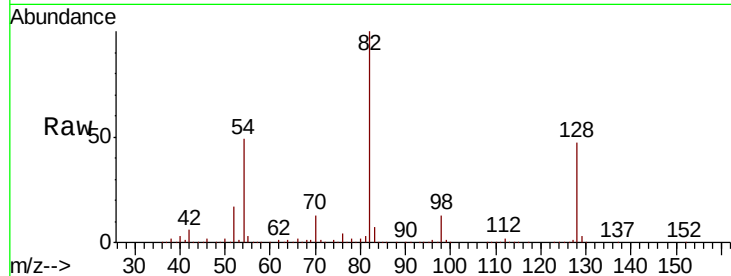
Tot Ion: 82 Resp: 896997

Ion Ratio Lower Upper

82 100

95 0.4 5.4 8.2#

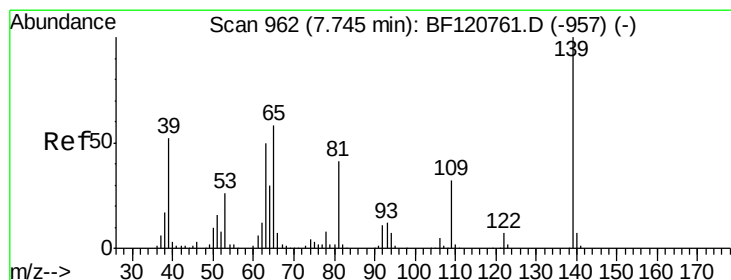
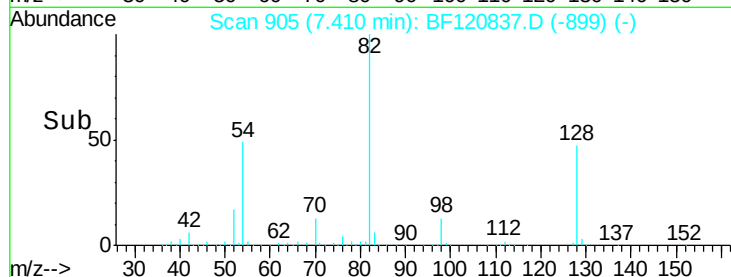
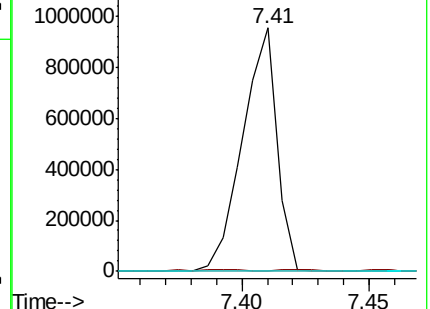
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 4.075 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.01 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

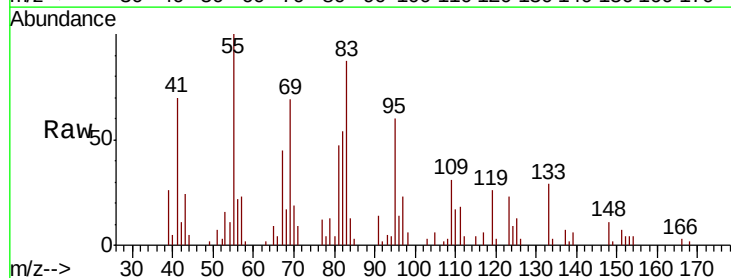
Tgt Ion: 139 Resp: 641

Ion Ratio Lower Upper

139 100

109 565.3 25.3 37.9#

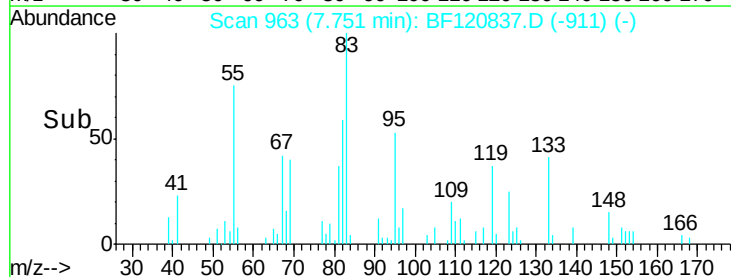
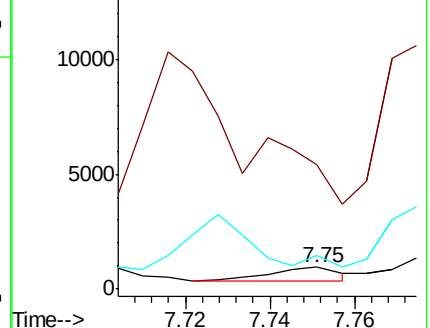
65 154.1 46.2 69.2#

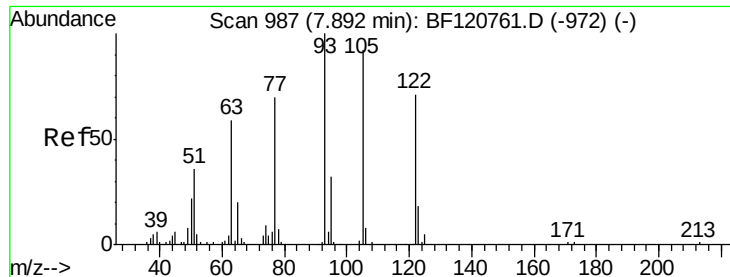


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

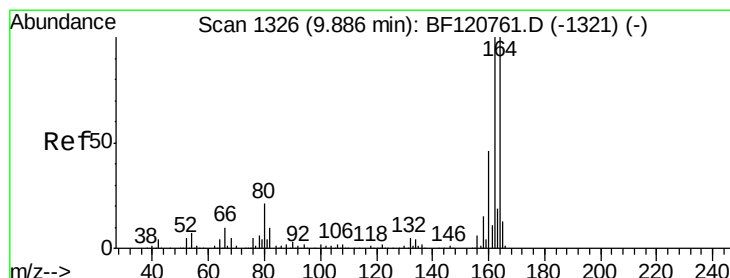
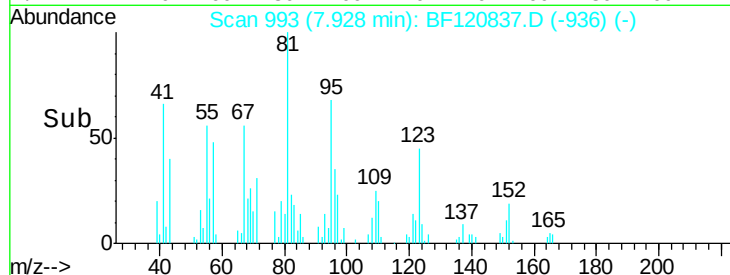
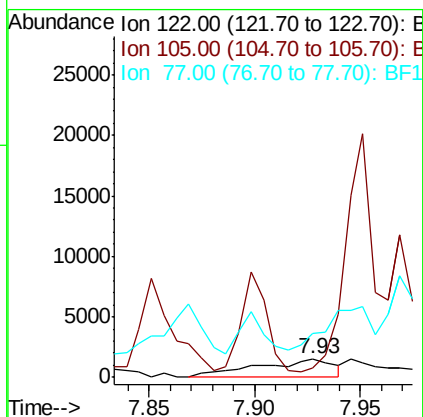
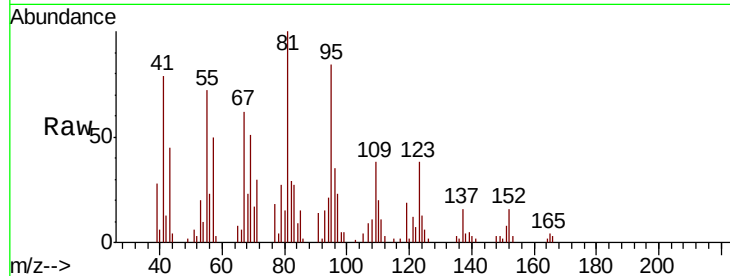




#32
Benzoic acid
Concen: 4.720 ng
RT: 7.93 min Scan# 993
Delta R.T. 0.04 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

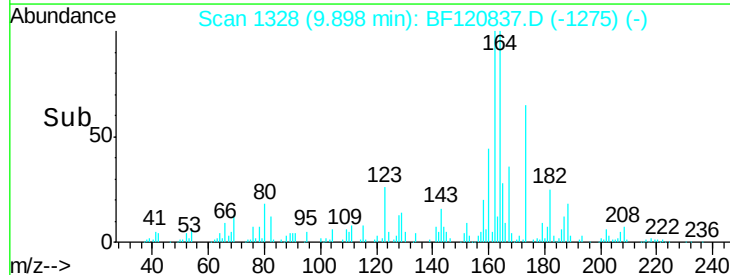
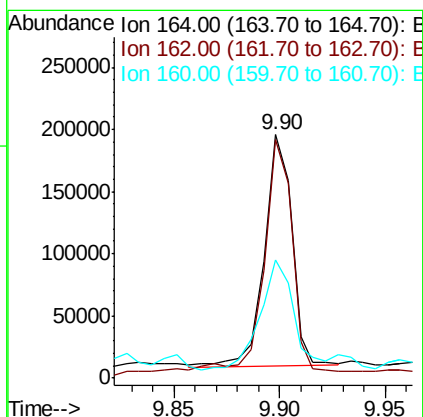
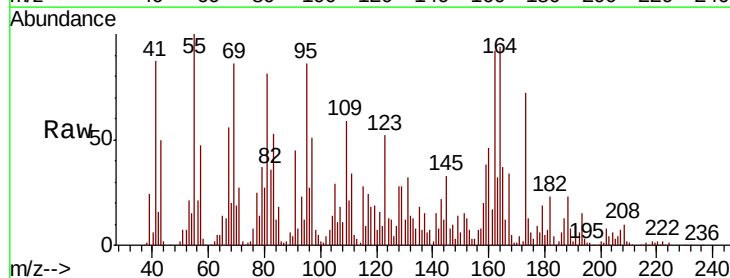
Instrument :
BNA_F
ClientSampleId :
CHRT-31

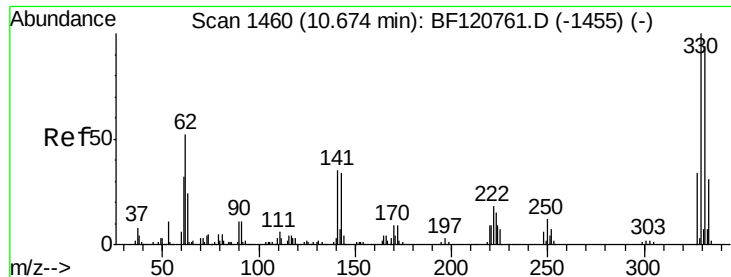
Tot Ion:122 Resp: 3879
Ion Ratio Lower Upper
122 100
105 49.5 105.8 145.8#
77 233.5 77.3 117.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

Tgt Ion:164 Resp: 170137
Ion Ratio Lower Upper
164 100
162 98.0 80.2 120.2
160 48.7 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 72.840 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.02 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

Instrument :

BNA_F

ClientSampled :

CHRT-31

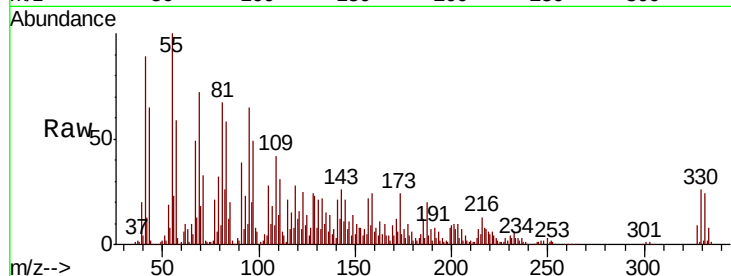
Tot Ion:330 Resp: 124503

Ion Ratio Lower Upper

330 100

332 95.4 75.8 113.6

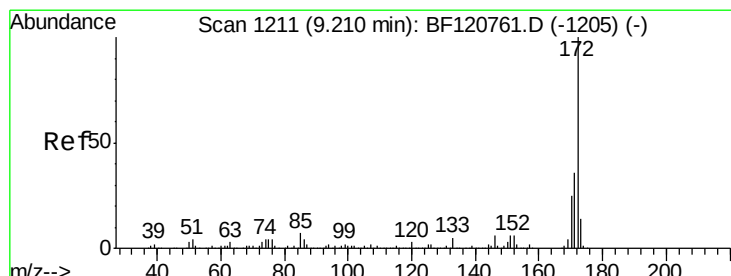
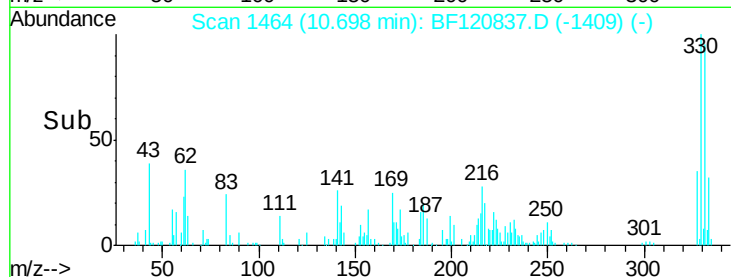
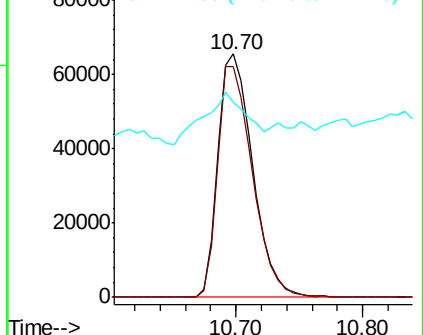
141 25.8 29.7 44.5#



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: 108.322 ng

RT: 9.22 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

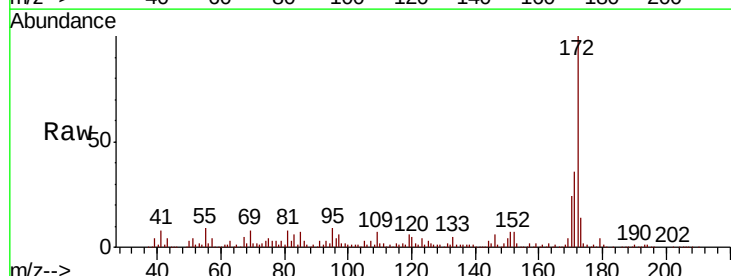
Tgt Ion:172 Resp: 1218122

Ion Ratio Lower Upper

172 100

171 35.9 29.1 43.7

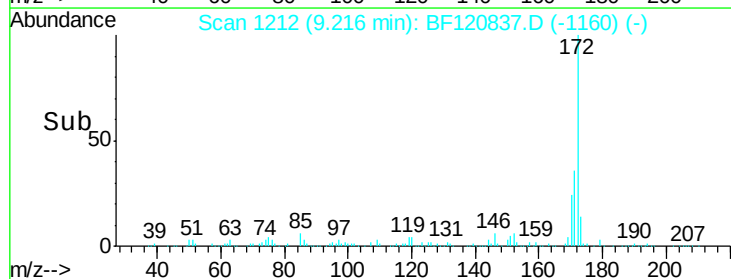
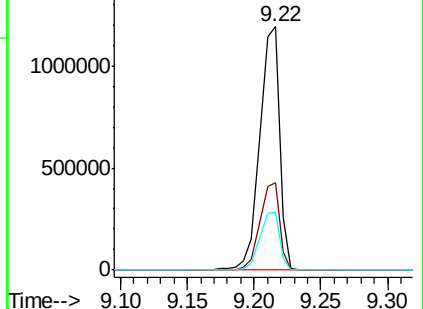
170 24.1 19.8 29.6

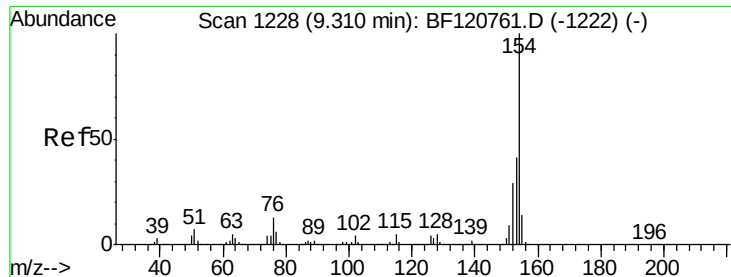


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 2.816 ng

RT: 9.31 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

Instrument :

BNA_F

ClientSampled :

CHRT-31

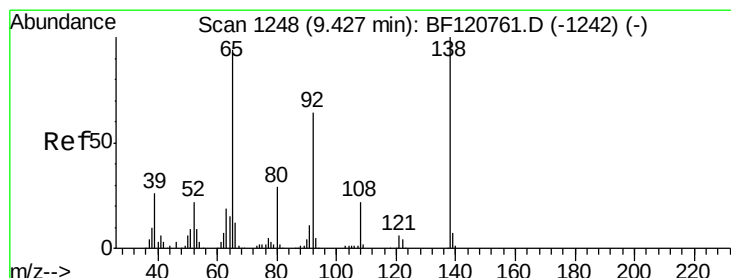
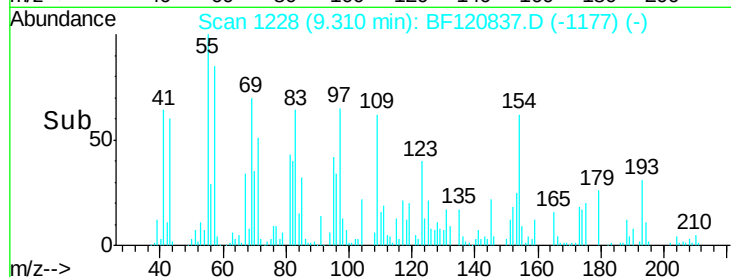
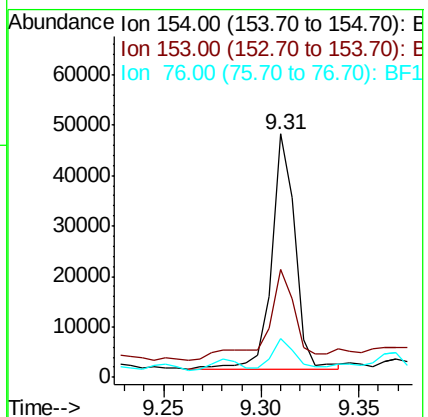
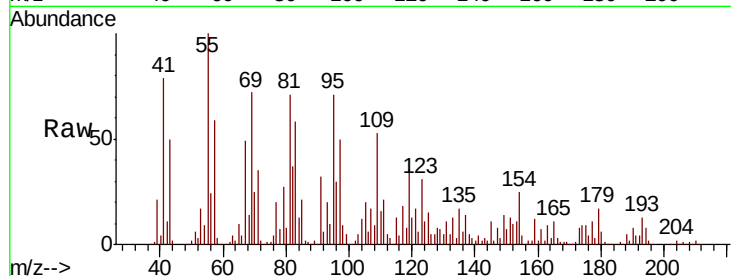
Tot Ion:154 Resp: 38642

Ion Ratio Lower Upper

154 100

153 44.1 20.7 60.7

76 15.7 0.0 33.3



#48

2-Nitroaniline

Concen: 3.877 ng

RT: 9.45 min Scan# 1251

Delta R.T. 0.02 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

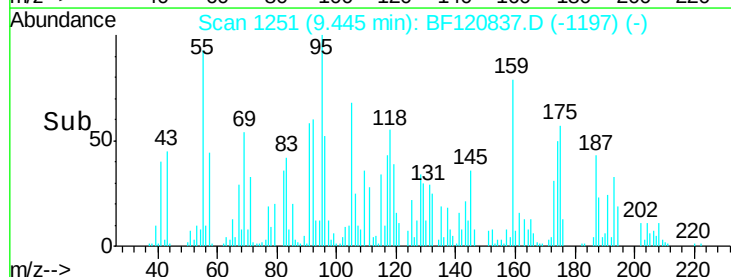
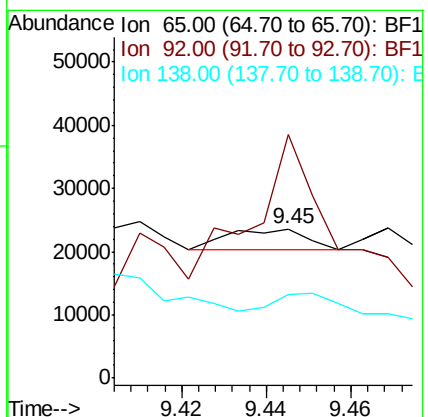
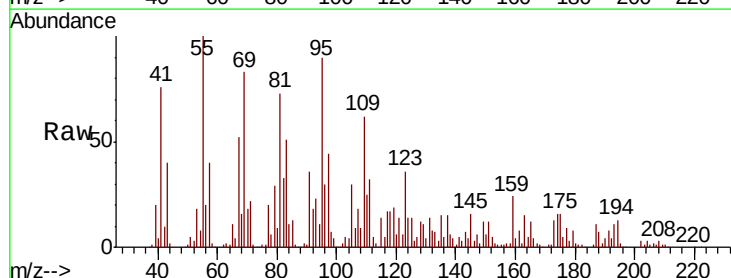
Tgt Ion: 65 Resp: 4380

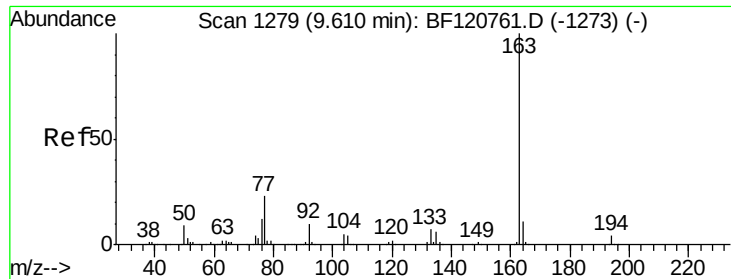
Ion Ratio Lower Upper

65 100

92 163.5 54.4 81.6#

138 56.3 84.7 127.1#

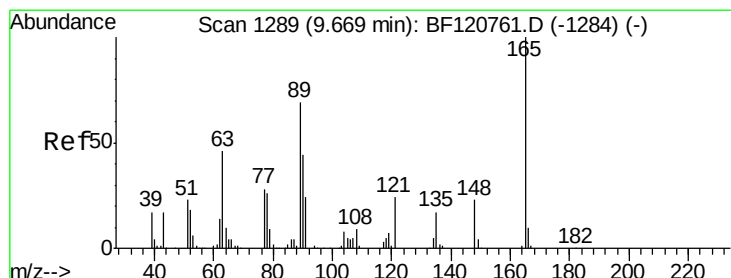
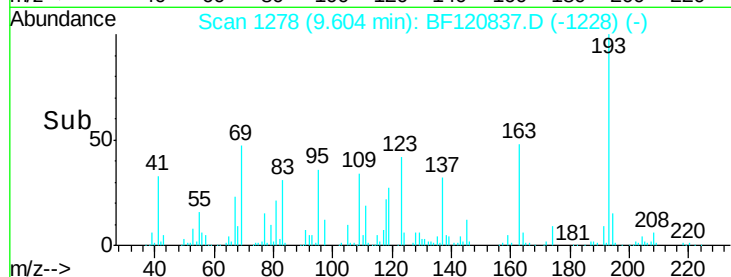
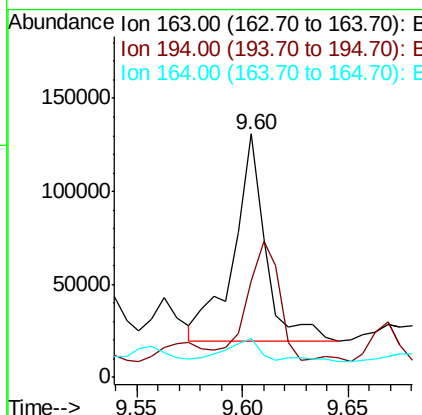
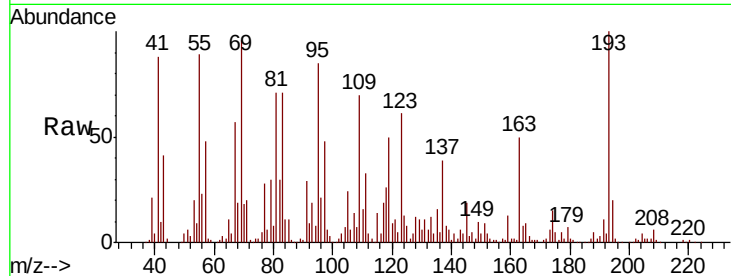




#50
Dimethylphthalate
Concen: 9.432 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

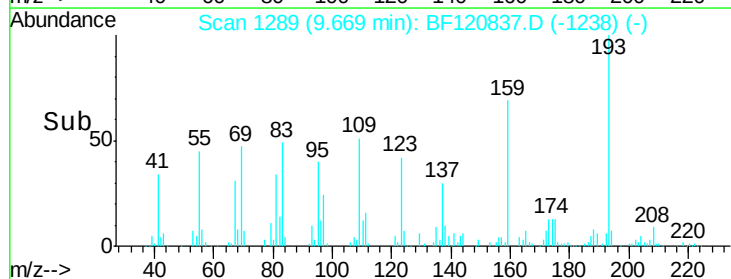
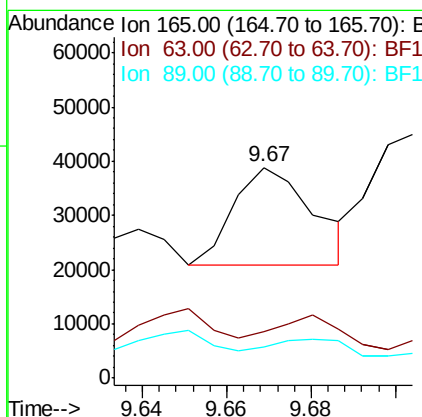
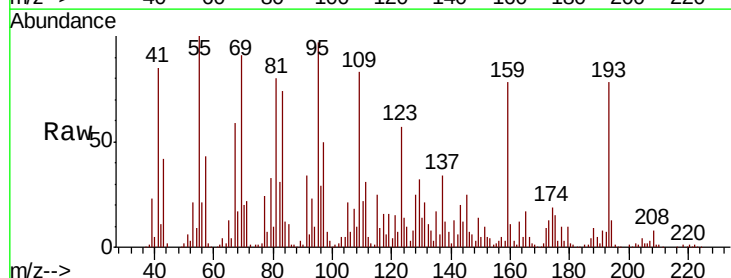
Instrument :
BNA_F
ClientSampleId :
CHRT-31

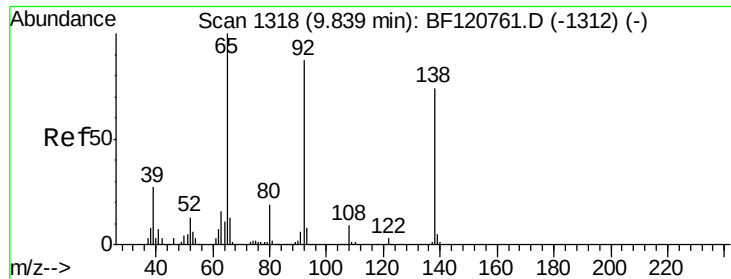
Tot Ion:163 Resp: 117058
Ion Ratio Lower Upper
163 100
194 39.4 2.9 4.3#
164 16.0 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 11.421 ng
RT: 9.67 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

Tgt Ion:165 Resp: 23676
Ion Ratio Lower Upper
165 100
63 21.9 54.0 81.0#
89 14.9 55.4 83.2#

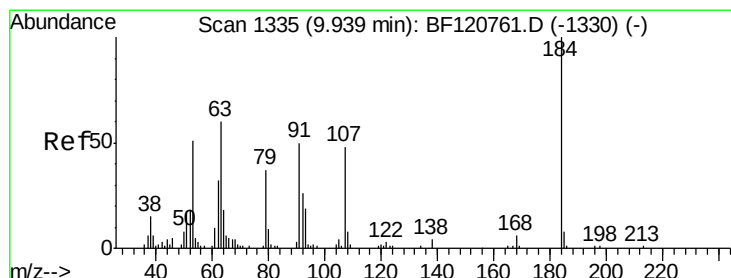
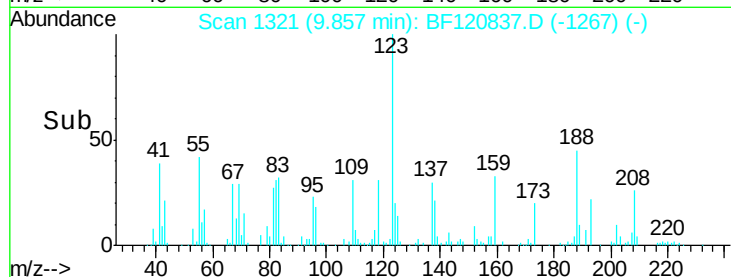
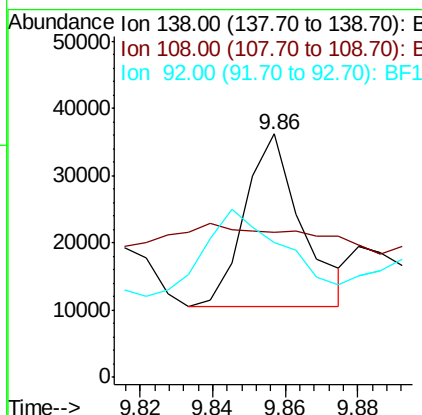
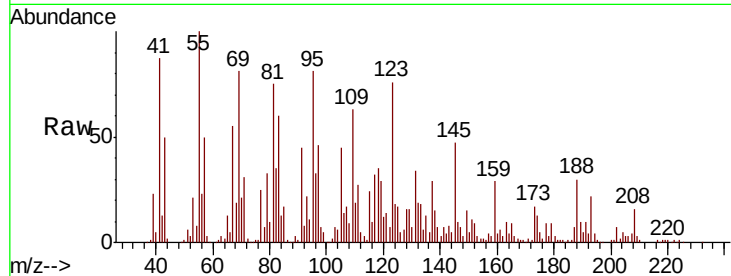




#53
3-Nitroaniline
Concen: 10.905 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.02 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

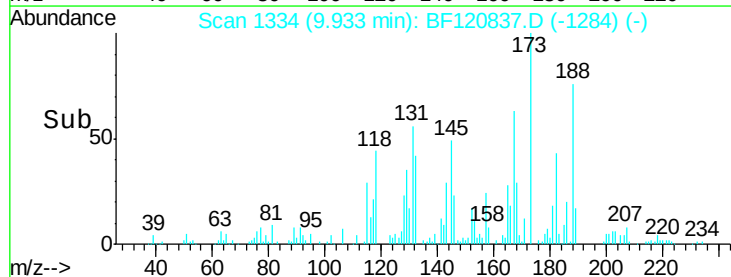
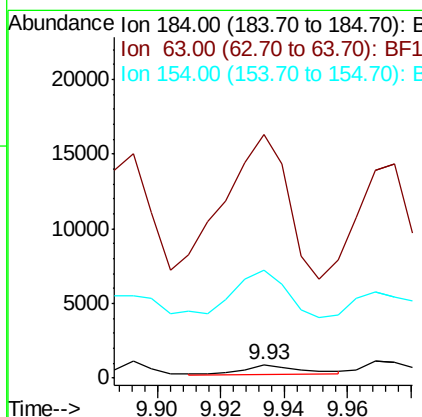
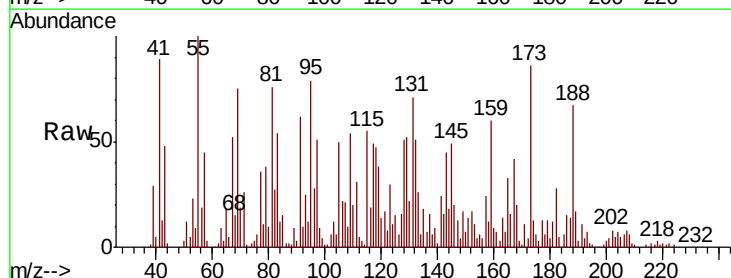
Instrument :
BNA_F
ClientSampleId :
CHRT-31

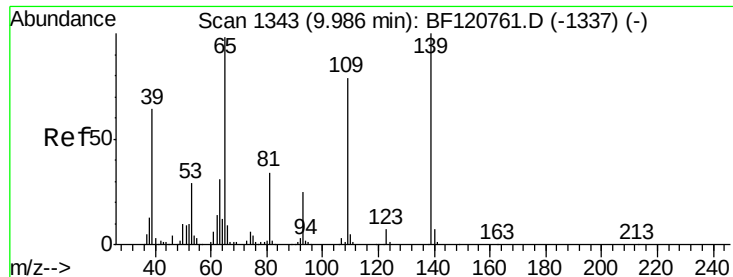
Tot Ion:138 Resp: 27694
Ion Ratio Lower Upper
138 100
108 59.6 9.8 14.6#
92 55.6 93.4 140.2#



#54
2,4-Dinitrophenol
Concen: 10.326 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

Tgt Ion:184 Resp: 876
Ion Ratio Lower Upper
184 100
63 1838.0 57.3 85.9#
154 814.7 55.8 83.6#

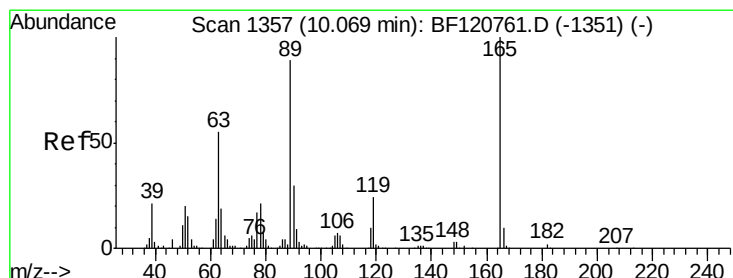
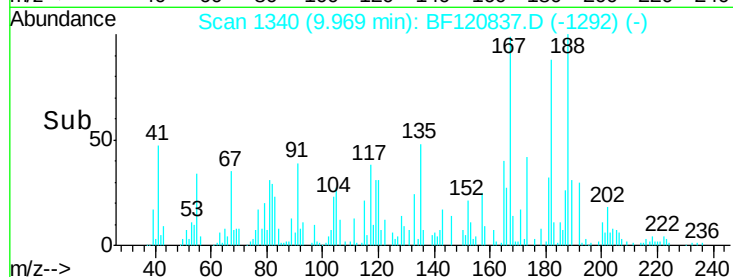
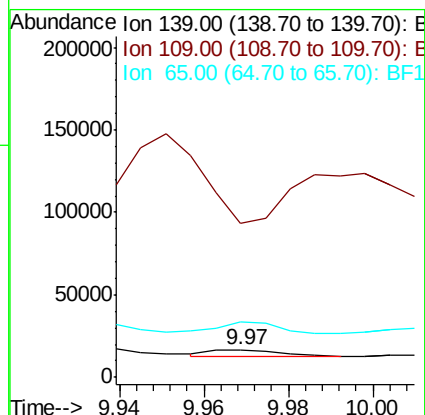
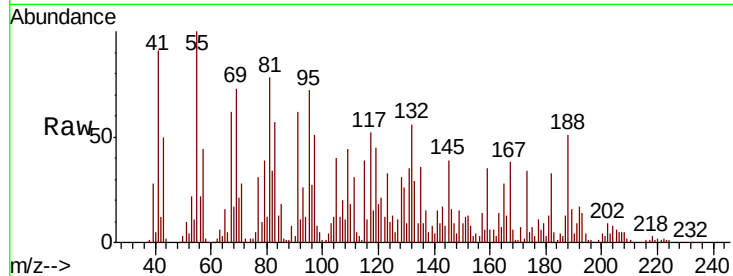




#56
4-Nitrophenol
Concen: 4.094 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.02 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

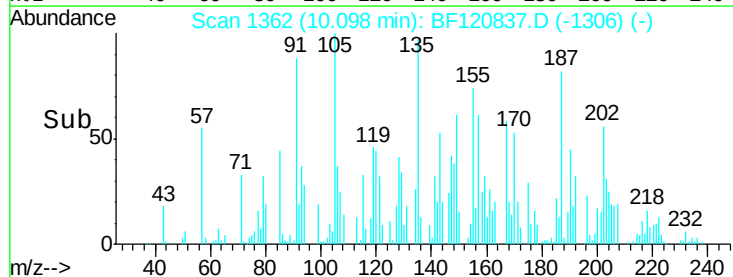
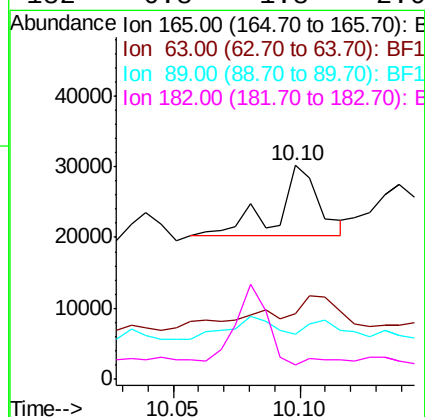
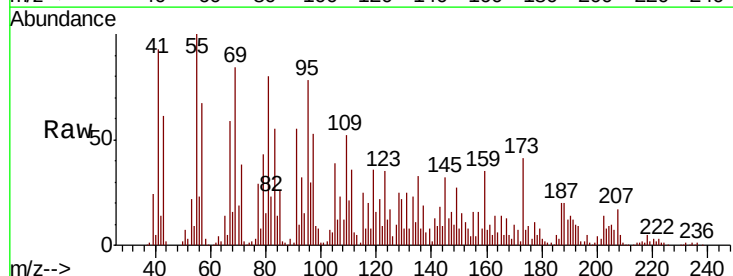
Instrument :
BNA_F
ClientSampleId :
CHRT-31

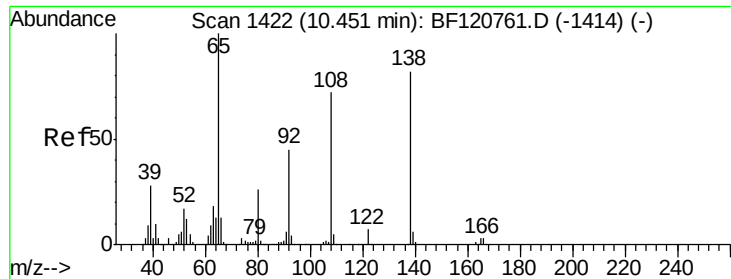
Tot Ion:139 Resp: 4682
Ion Ratio Lower Upper
139 100
109 554.5 58.6 98.6#
65 197.5 78.7 118.7#



#57
2,4-Dinitrotoluene
Concen: 6.477 ng
RT: 10.10 min Scan# 1362
Delta R.T. 0.03 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

Tgt Ion:165 Resp: 11171
Ion Ratio Lower Upper
165 100
63 30.9 43.8 65.8#
89 21.2 71.4 107.2#
182 6.8 1.8 2.6#

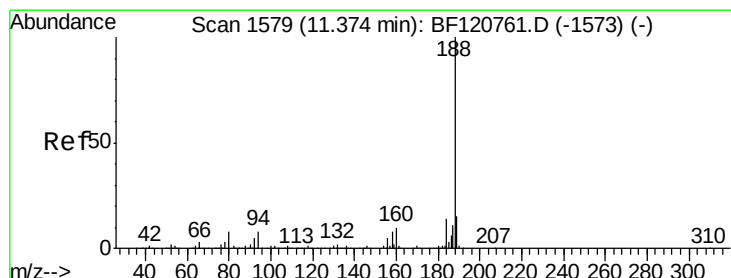
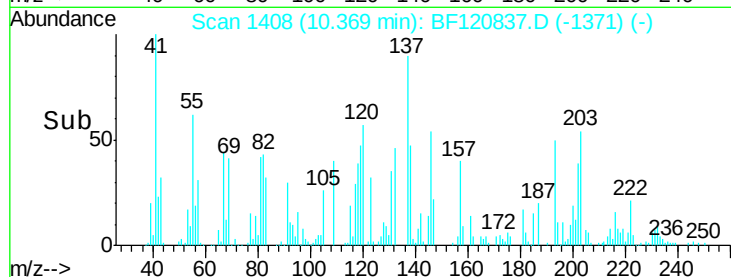
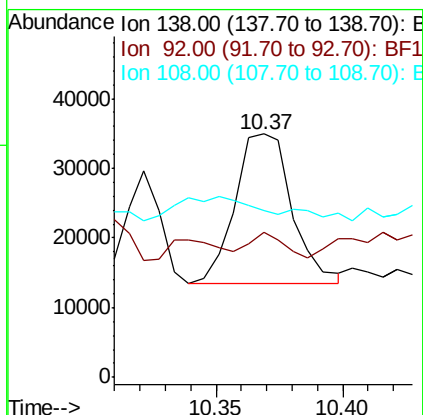
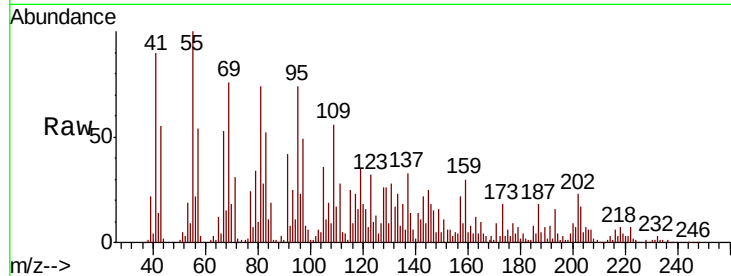




#62
4-Nitroaniline
Concen: 12.703 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.08 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

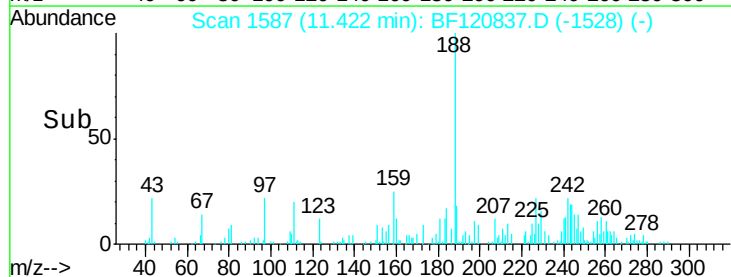
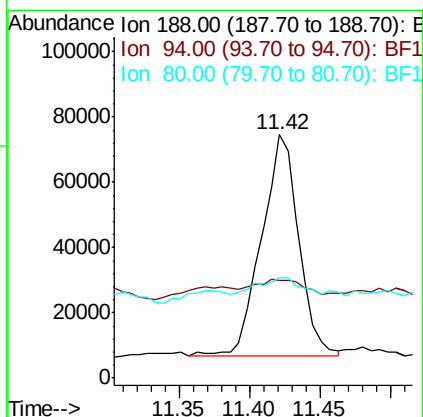
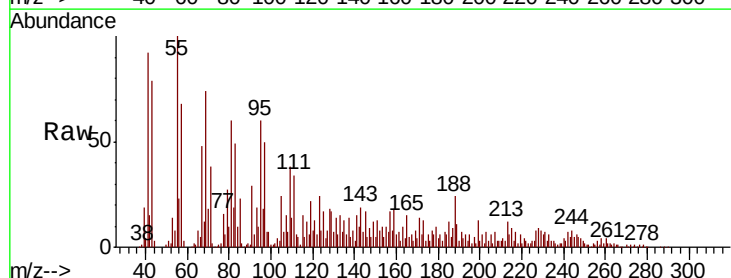
Instrument :
BNA_F
ClientSampled :
CHRT-31

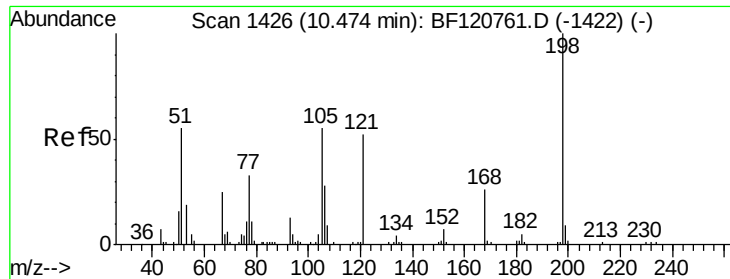
Tot Ion:138 Resp: 33497
Ion Ratio Lower Upper
138 100
92 59.7 34.3 74.3
108 68.3 68.3 108.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.05 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

Tgt Ion:188 Resp: 125530
Ion Ratio Lower Upper
188 100
94 40.2 6.6 9.8#
80 41.3 6.6 10.0#

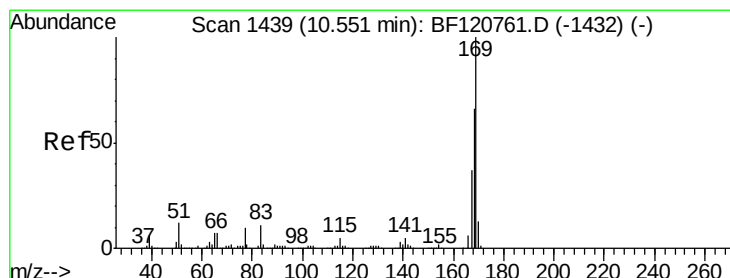
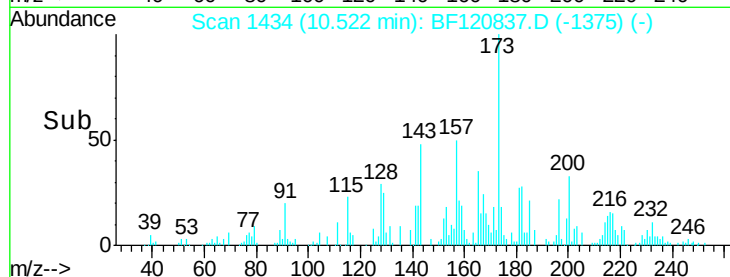
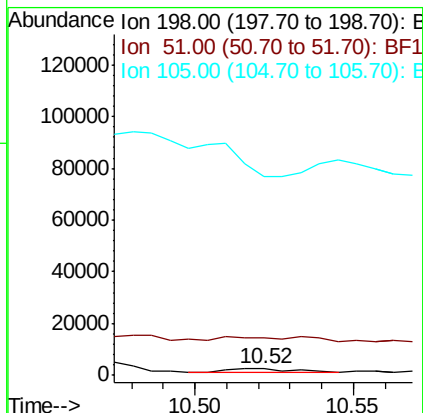
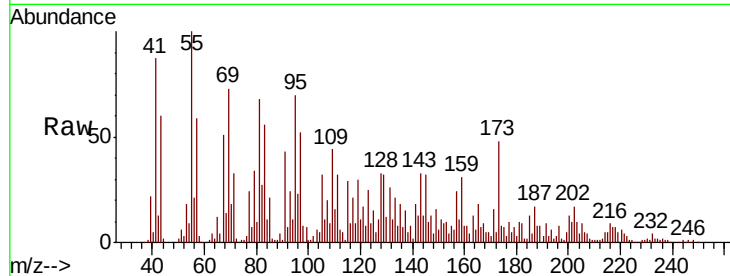




#65
 4,6-Dinitro-2-methylphenol
 Concen: 11.424 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.05 min
 Lab File: BF120837.D
 Acq: 10 Jul 2020 18:07

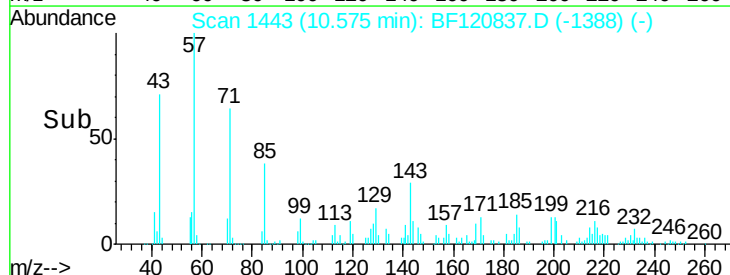
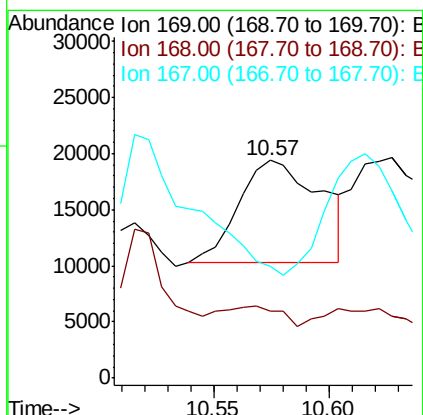
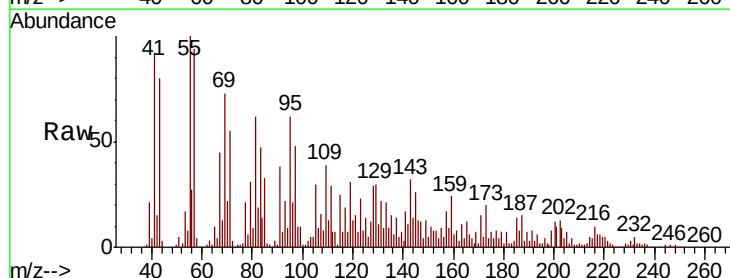
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-31

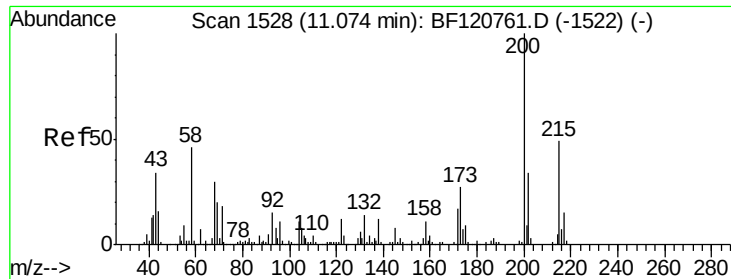
Tot Ion:198 Resp: 2730
 Ion Ratio Lower Upper
 198 100
 51 563.7 50.0 90.0#
 105 2979.8 38.3 78.3#



#66
 n-Nitrosodiphenylamine
 Concen: 5.269 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. 0.02 min
 Lab File: BF120837.D
 Acq: 10 Jul 2020 18:07

Tgt Ion:169 Resp: 22169
 Ion Ratio Lower Upper
 169 100
 168 30.7 53.1 79.7#
 167 51.6 29.6 44.4#





#69

Atrazine

Concen: 18.354 ng

RT: 11.13 min Scan# 1537

Delta R.T. 0.05 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

Instrument :

BNA_F

ClientSampled :

CHRT-31

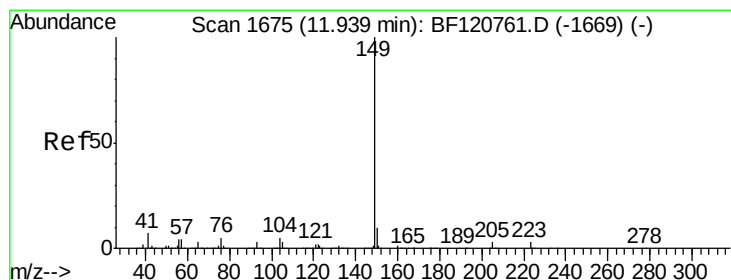
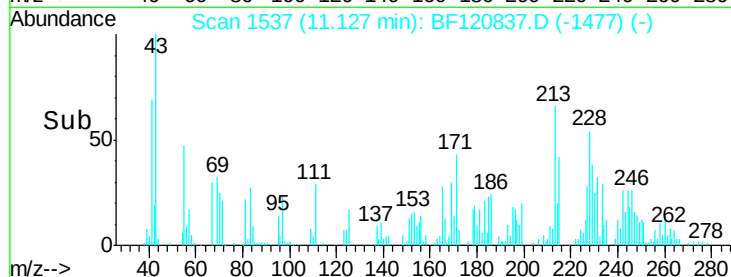
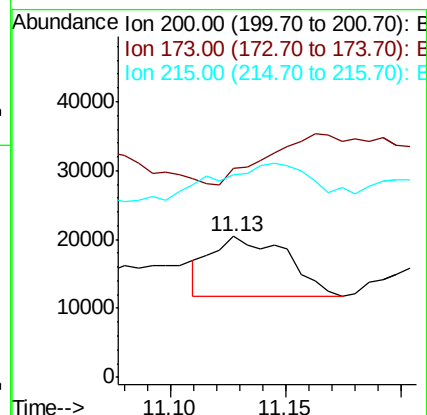
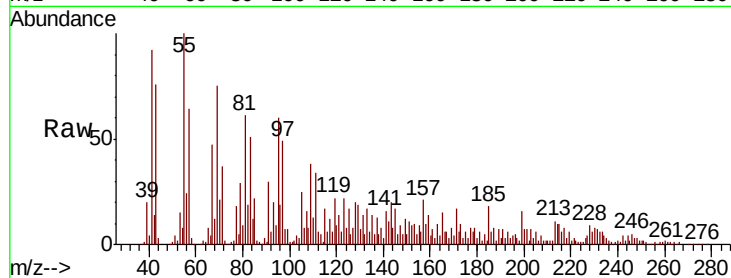
Tot Ion:200 Resp: 19895

Ion Ratio Lower Upper

200 100

173 148.2 7.4 47.4#

215 144.1 28.8 68.8#



#74

Di-n-butylphthalate

Concen: 4.645 ng

RT: 11.99 min Scan# 1684

Delta R.T. 0.05 min

Lab File: BF120837.D

Acq: 10 Jul 2020 18:07

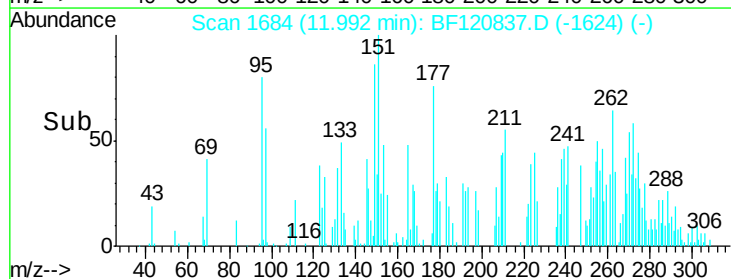
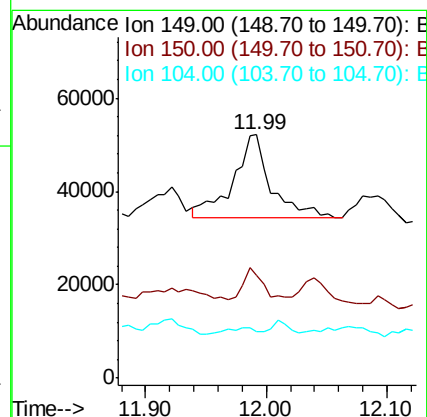
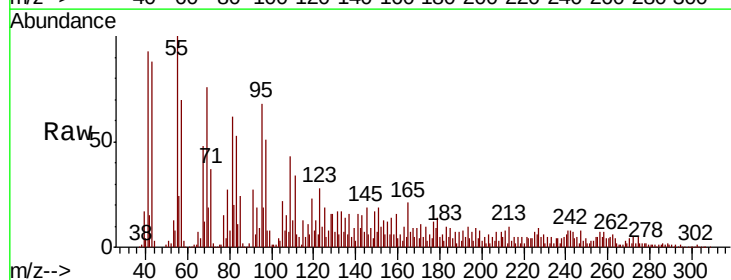
Tgt Ion:149 Resp: 38034

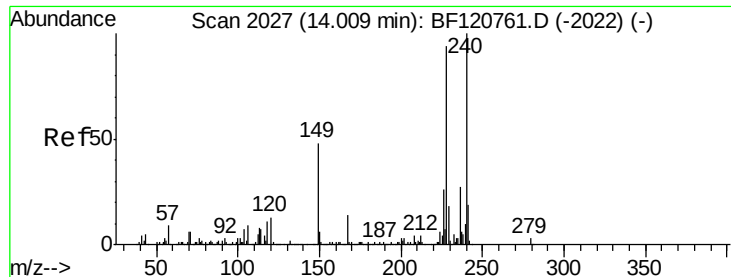
Ion Ratio Lower Upper

149 100

150 42.4 7.7 11.5#

104 19.0 4.0 6.0#

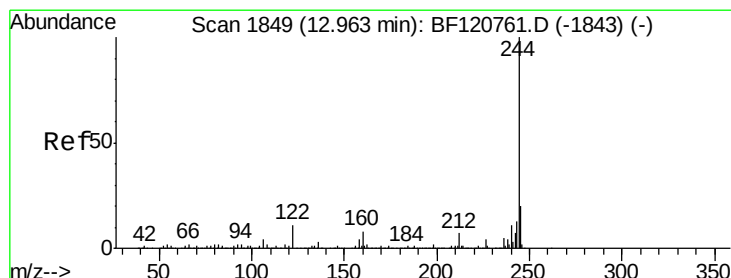
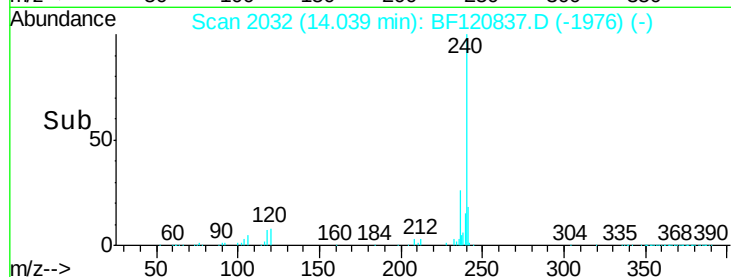
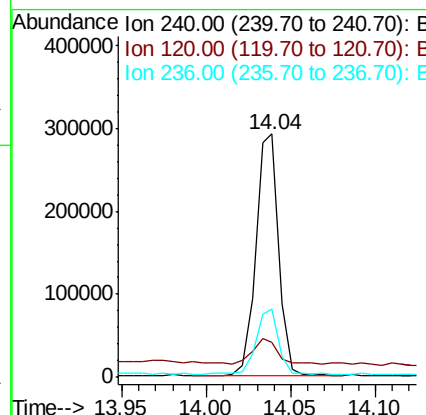
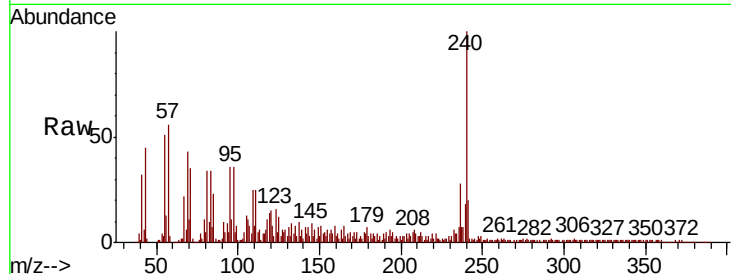




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.03 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

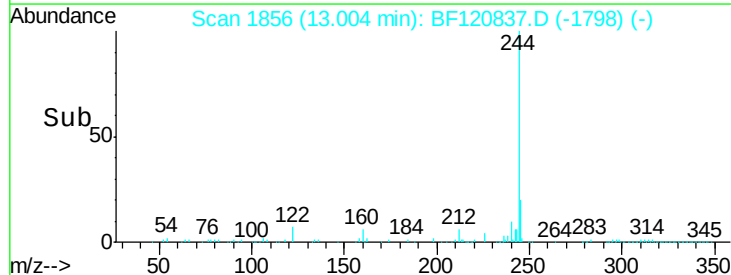
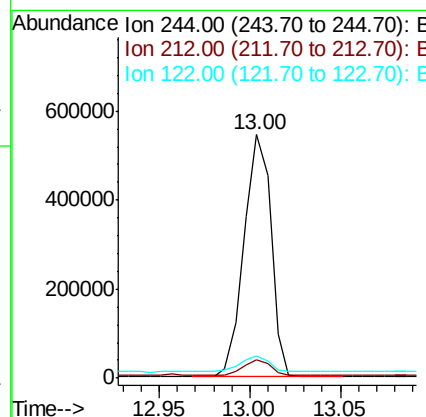
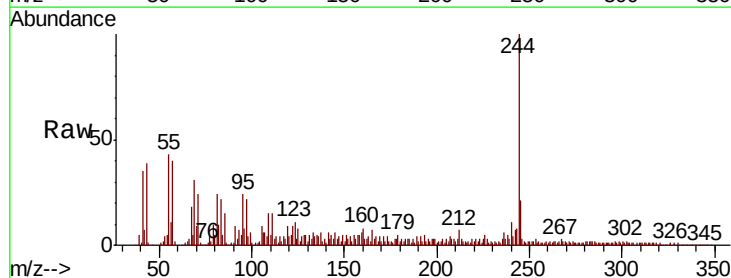
Instrument :
BNA_F
ClientSampleId :
CHRT-31

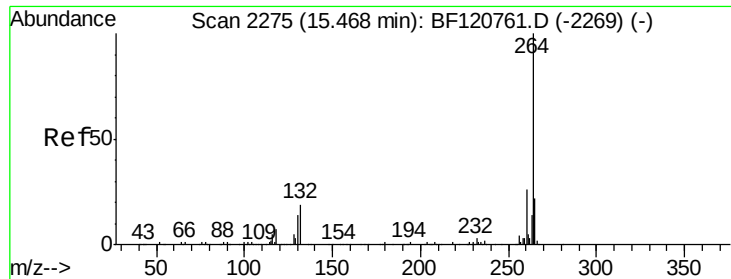
Tot Ion:240 Resp: 273064
Ion Ratio Lower Upper
240 100
120 14.6 10.3 15.5
236 27.9 21.4 32.2



#79
Terphenyl-d14
Concen: 40.523 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.04 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

Tgt Ion:244 Resp: 565164
Ion Ratio Lower Upper
244 100
212 7.4 5.6 8.4
122 9.1 9.0 13.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF120837.D
Acq: 10 Jul 2020 18:07

Instrument :
BNA_F
ClientSampleId :
CHRT-31

Tot Ion:	264	Resp:	388794
Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.6	30.8
265	20.9	17.6	26.4

