

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081920\
 Data File : BP003042.D
 Acq On : 19 Aug 2020 20:37
 Operator : CG/JU
 Sample : L3712-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-25433

Quant Time: Aug 20 01:16:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 14:07:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	349965	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1423067	20.00	ng	-0.01
39) Acenaphthene-d10	14.32	164	739608	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	1063357	20.00	ng	0.00
76) Chrysene-d12	21.16	240	1510290	20.00	ng	-0.01
86) Perylene-d12	23.40	264	1761278	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1511506	66.10	ng	0.00
7) Phenol-d6	6.86	99	1803202	56.80	ng	-0.01
23) Nitrobenzene-d5	8.82	82	1020125	38.83	ng	-0.01
42) 2,4,6-Tribromophenol	15.82	330	600438	65.32	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	2500905	46.20	ng	-0.01
79) Terphenyl-d14	19.65	244	2588809	34.32	ng	0.00

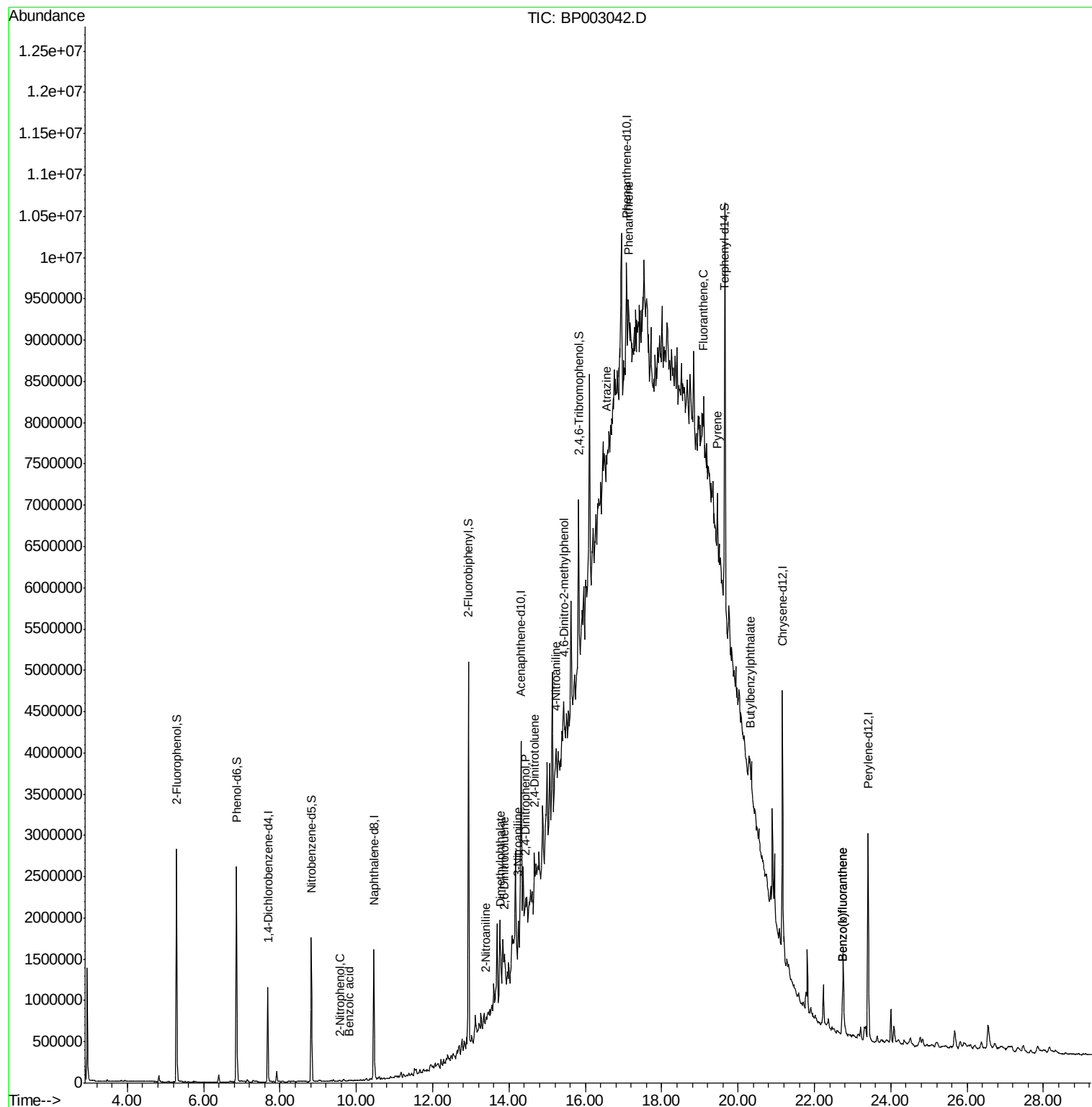
Target Compounds				Qvalue		
26) 2-Nitrophenol	9.58	139	61	4.525	ng	# 1
32) Benzoic acid	9.80	122	296	7.705	ng	# 51
48) 2-Nitroaniline	13.39	65	1041	4.052	ng	# 55
50) Dimethylphthalate	13.77	163	316894	5.478	ng	# 95
51) 2,6-Dinitrotoluene	13.87	165	30865	5.123	ng	# 45
53) 3-Nitroaniline	14.24	138	17354	4.455	ng	# 26
54) 2,4-Dinitrophenol	14.42	184	293	8.105	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	12802	4.492	ng	# 54
62) 4-Nitroaniline	15.22	138	53564	6.206	ng	# 92
65) 4,6-Dinitro-2-methylphenol	15.43	198	5369	7.730	ng	# 1
69) Atrazine	16.55	200	27081	2.270	ng	# 1
71) Phenanthrene	17.12	178	267072	4.283	ng	# 49
75) Fluoranthene	19.10	202	413813	5.760	ng	# 89
78) Pyrene	19.45	202	393672	3.729	ng	# 94
80) Butylbenzylphthalate	20.33	149	12730	3.336	ng	# 43
88) Benzo(b)fluoranthene	22.73	252	252603	2.032	ng	# 97
89) Benzo(k)fluoranthene	22.73	252	252603	2.150	ng	# 97

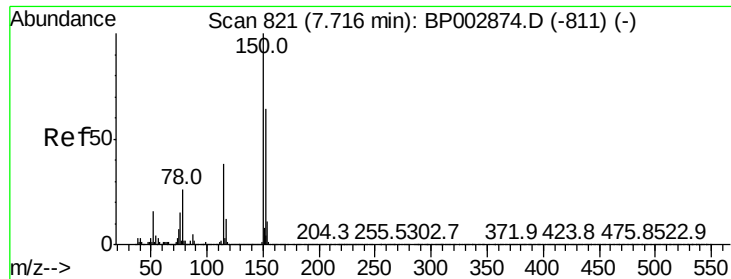
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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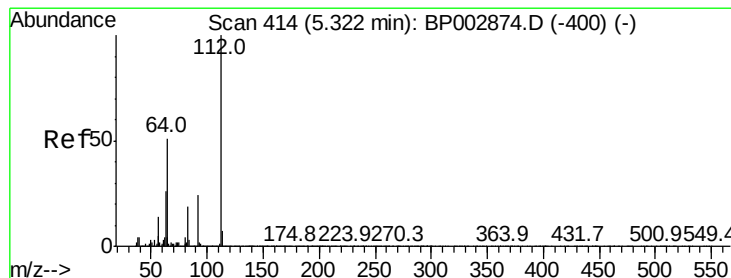
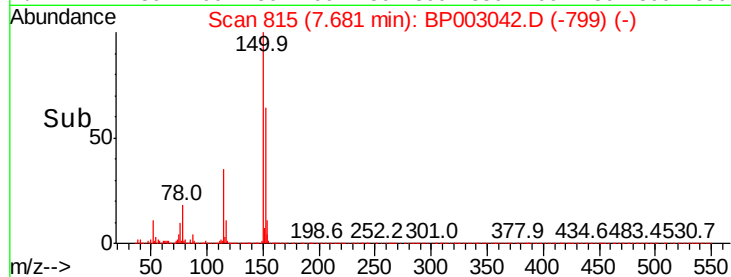
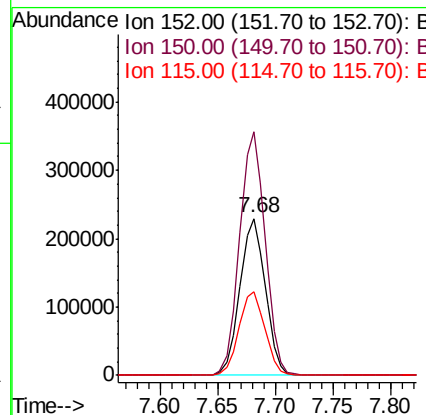
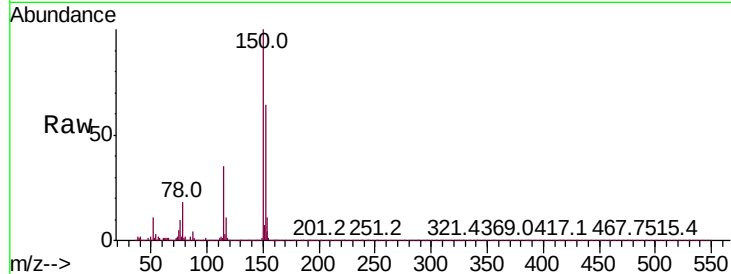


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 815
Delta R.T. -0.01 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Instrument :
BNA_P
ClientSampleId :
CHRT-25433

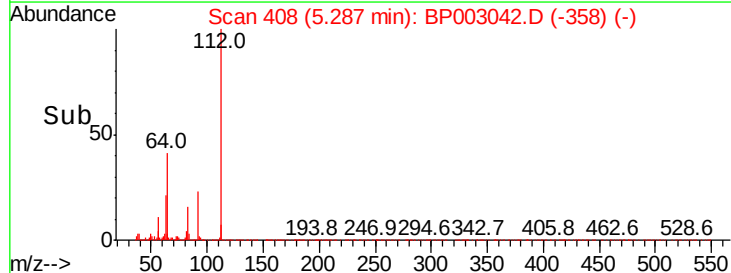
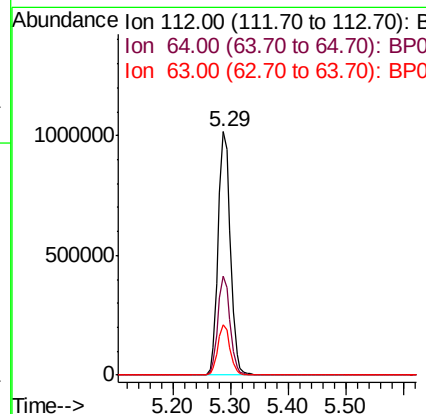
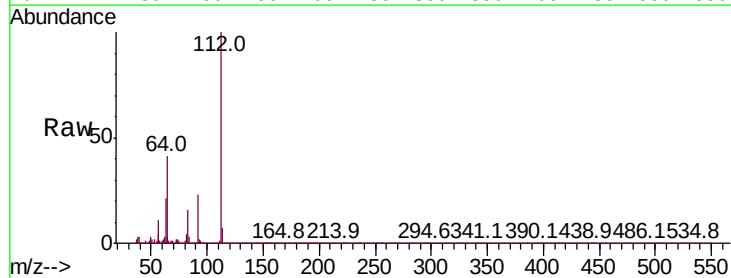
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.1	189.1
115	53.7	43.4	65.2

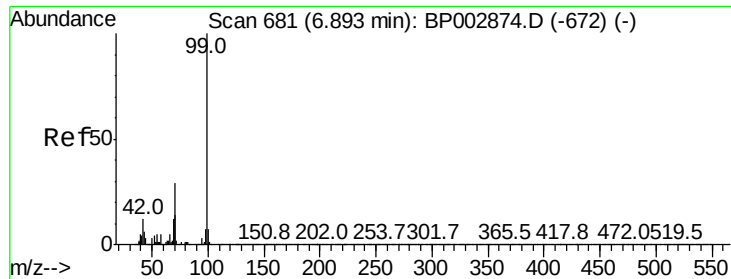


#5

2-Fluorophenol
Concen: 66.102 ng
RT: 5.29 min Scan# 408
Delta R.T. -0.01 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.7	33.4	50.2
63	20.9	17.4	26.0





#7

Phenol-d6

Concen: 56.800 ng

RT: 6.86 min Scan# 675

Delta R.T. -0.01 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

Instrument :

BNA_P

ClientSampleId :

CHRT-25433

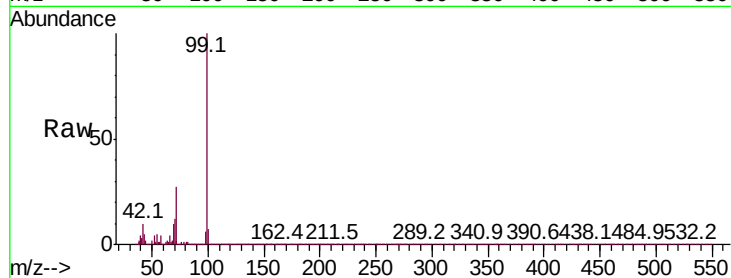
Tot Ion: 99 Resp: 1803202

Ion Ratio Lower Upper

99 100

42 9.9 8.0 12.0

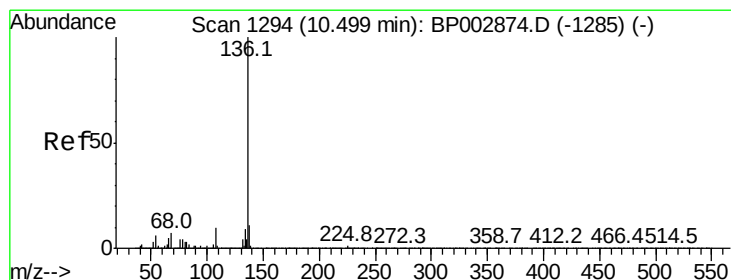
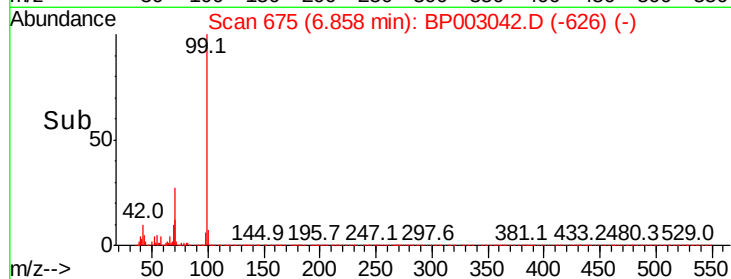
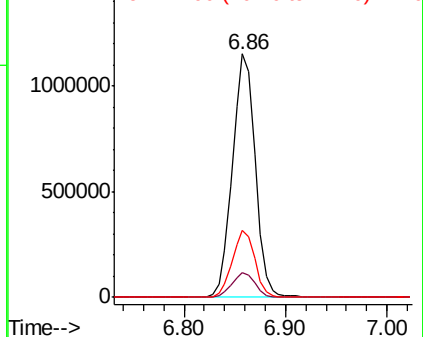
71 27.5 21.3 31.9



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

Tgt Ion: 136 Resp: 1423067

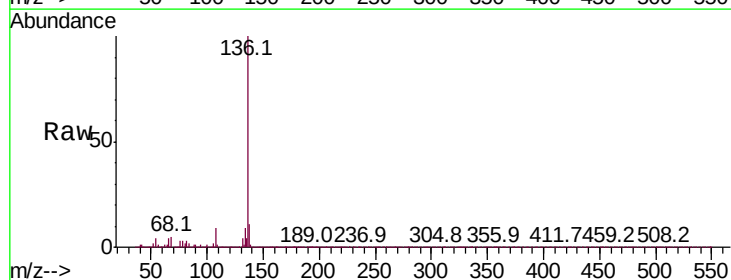
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 4.4 3.8 5.8

68 4.5 3.8 5.8

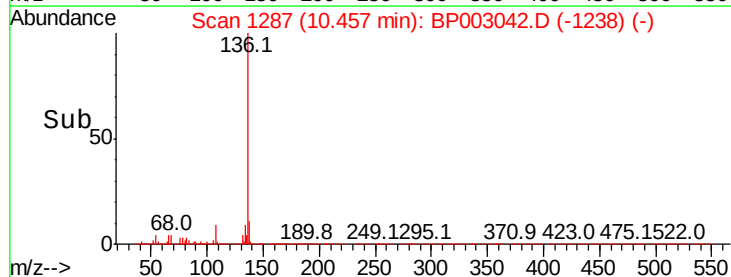
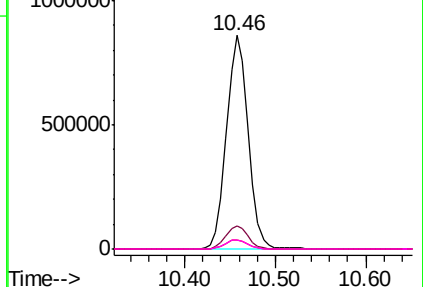


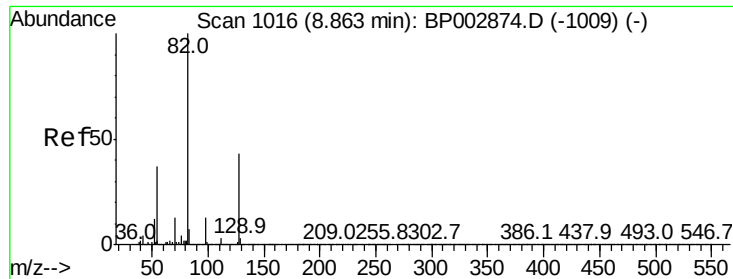
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0





#23

Nitrobenzene-d5

Concen: 38.826 ng

RT: 8.82 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

Instrument :

BNA_P

ClientSampleId :

CHRT-25433

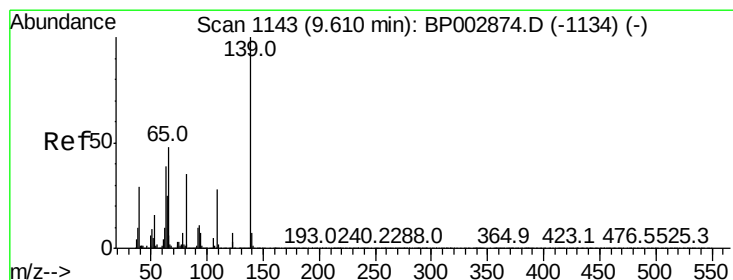
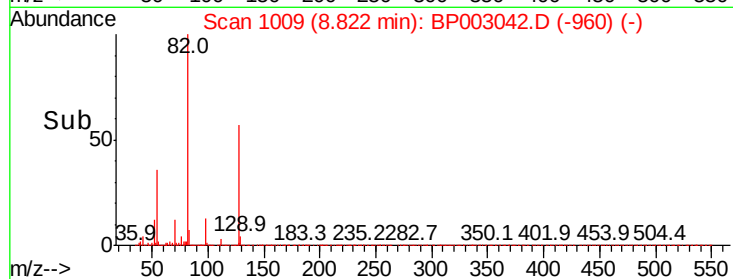
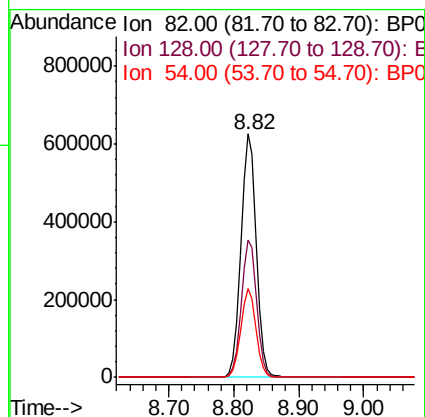
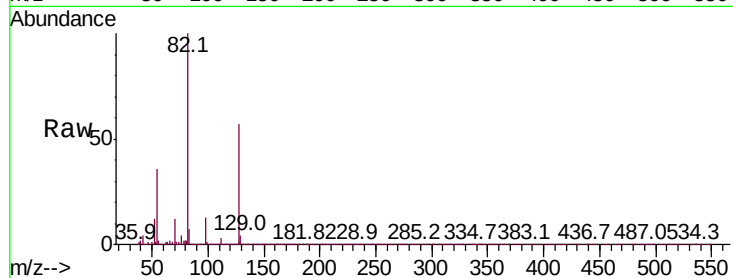
Tot Ion: 82 Resp: 1020125

Ion Ratio Lower Upper

82 100

128 56.7 45.1 67.7

54 36.3 28.8 43.2



#26

2-Nitrophenol

Concen: 4.525 ng

RT: 9.58 min Scan# 1137

Delta R.T. -0.01 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

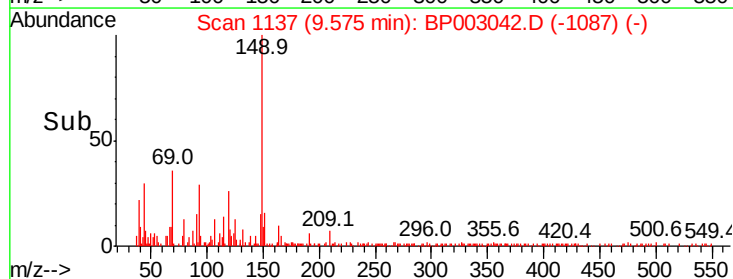
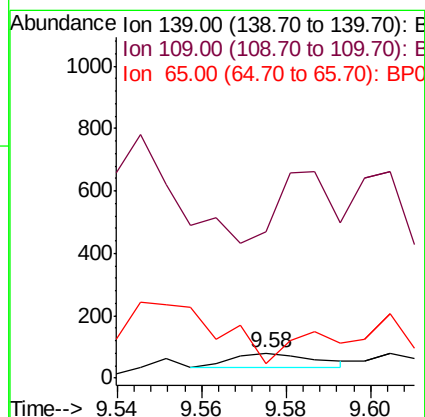
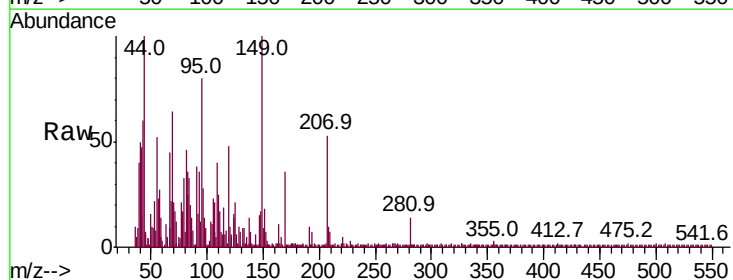
Tgt Ion: 139 Resp: 61

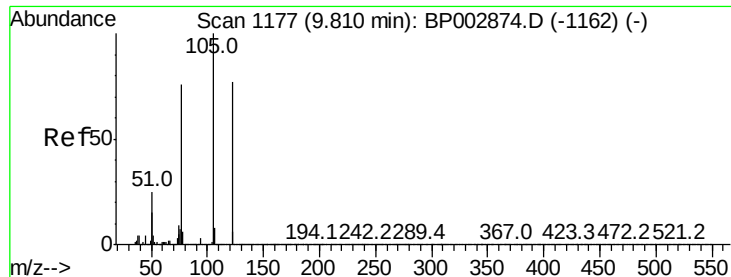
Ion Ratio Lower Upper

139 100

109 565.1 21.0 31.6#

65 54.2 27.2 40.8#

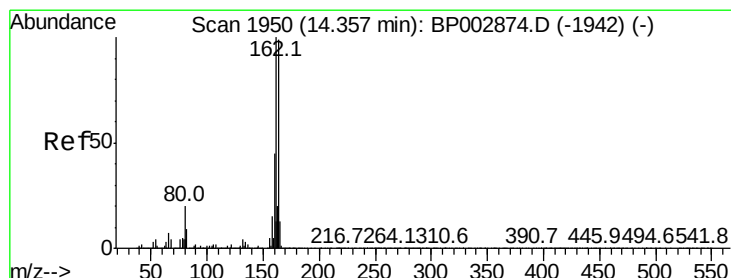
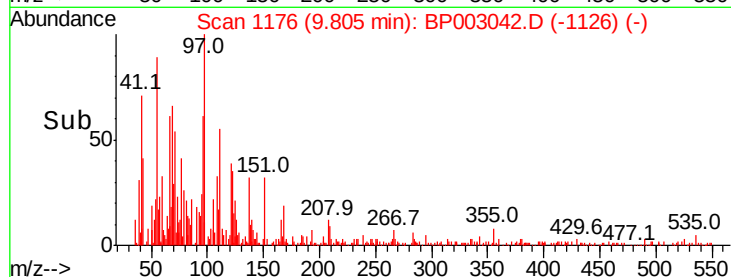
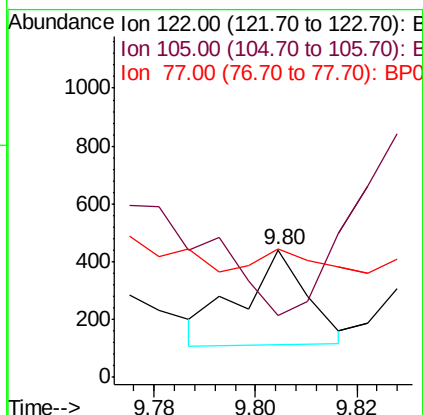
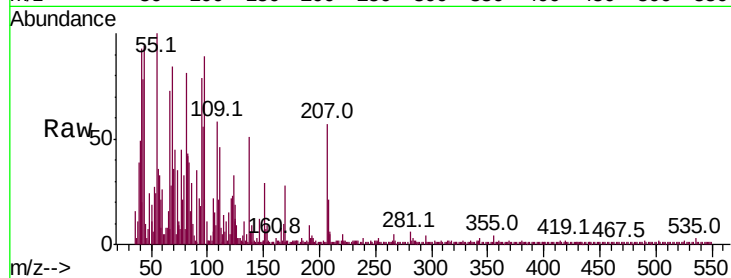




#32
Benzoic acid
Concen: 7.705 ng
RT: 9.80 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

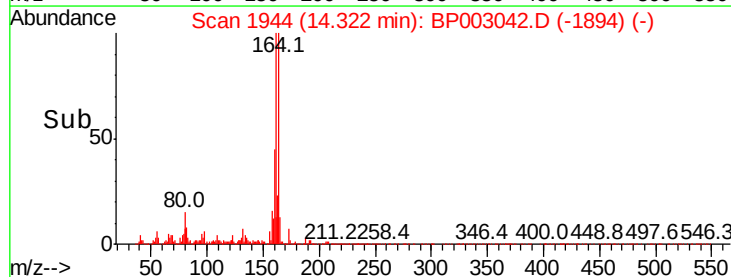
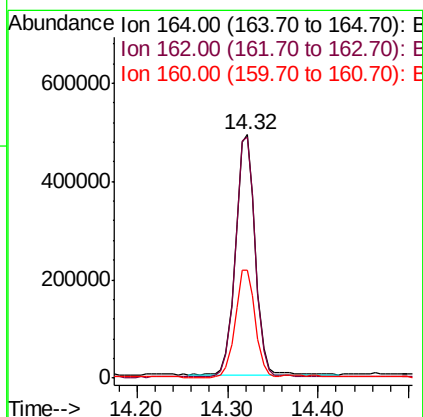
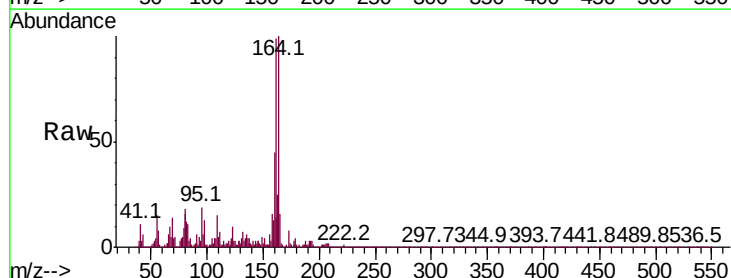
Instrument :
BNA_P
ClientSampleId :
CHRT-25433

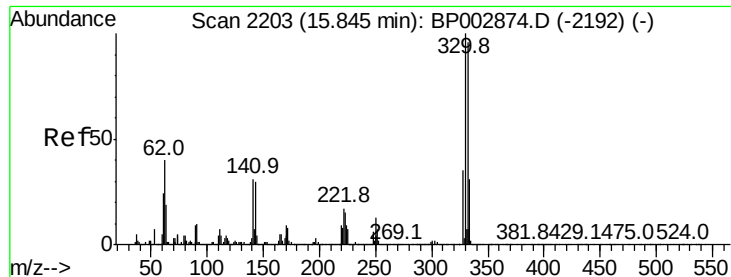
Tot Ion:122 Resp: 296
Ion Ratio Lower Upper
122 100
105 48.8 96.2 136.2#
77 100.7 55.6 95.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion:164 Resp: 739608
Ion Ratio Lower Upper
164 100
162 99.1 81.4 122.0
160 44.5 35.5 53.3

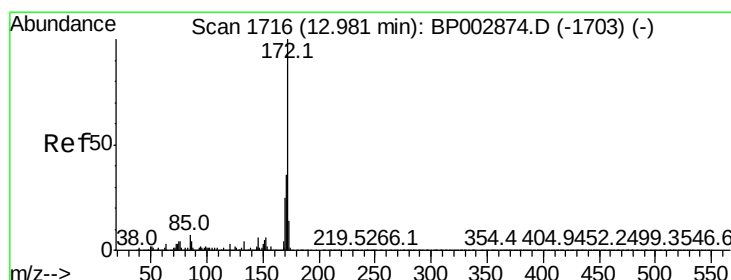
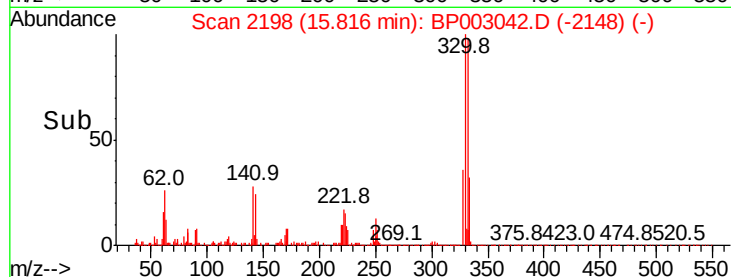
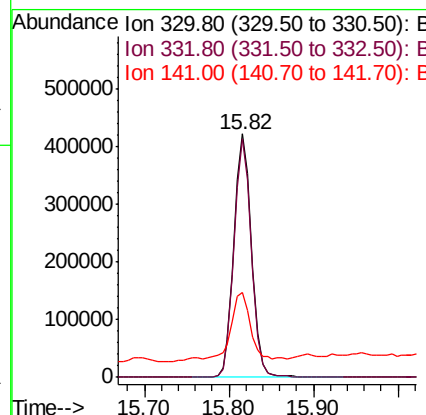
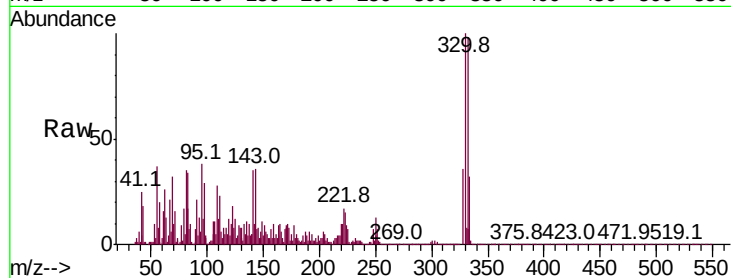




#42
 2,4,6-Tribromophenol
 Concen: 65.318 ng
 RT: 15.82 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BP003042.D
 Acq: 19 Aug 2020 20:37

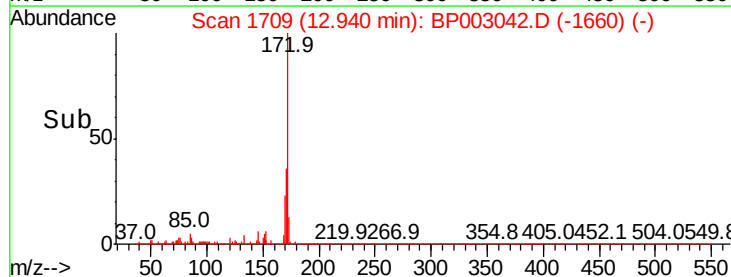
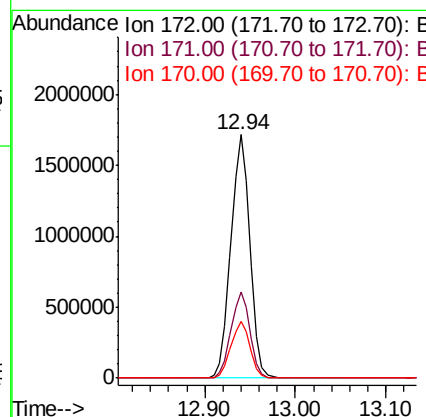
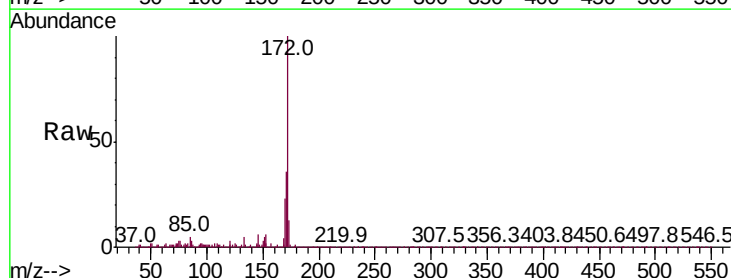
Instrument :
 BNA_P
 ClientSampled :
 CHRT-25433

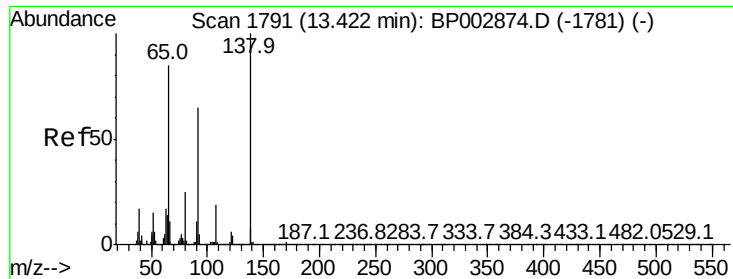
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	34.5	26.7	40.1



#45
 2-Fluorobiphenyl
 Concen: 46.200 ng
 RT: 12.94 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BP003042.D
 Acq: 19 Aug 2020 20:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.4	19.1	28.7





#48

2-Nitroaniline

Concen: 4.052 ng

RT: 13.39 min Scan# 1786

Delta R.T. -0.00 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

Instrument :

BNA_P

ClientSampleId :

CHRT-25433

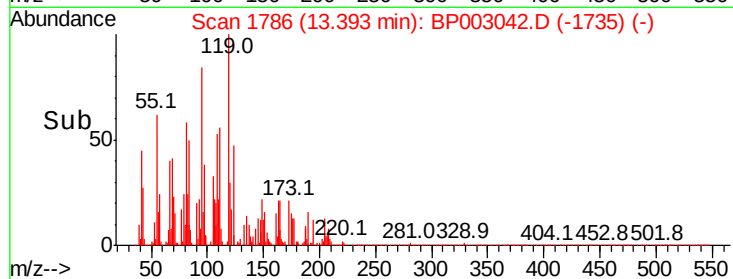
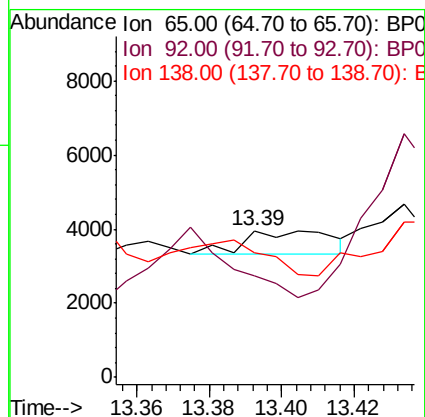
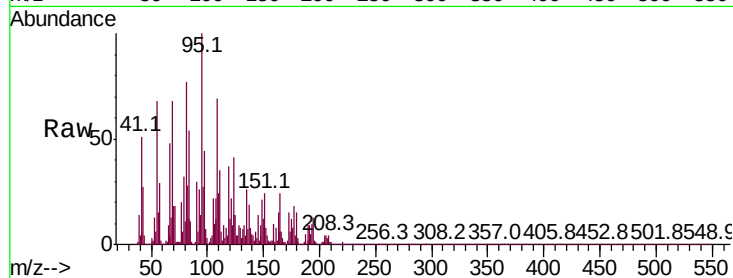
Tot Ion: 65 Resp: 1041

Ion Ratio Lower Upper

65 100

92 69.1 70.1 105.1#

138 84.9 129.7 194.5#



#50

Dimethylphthalate

Concen: 5.478 ng

RT: 13.77 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

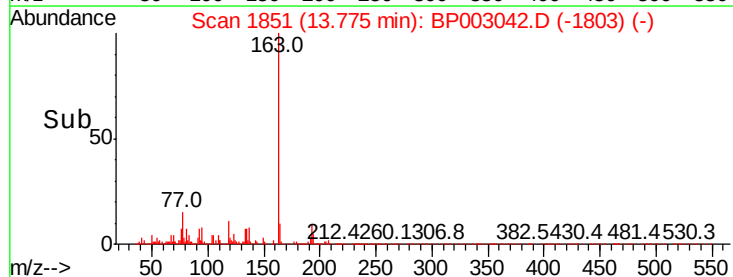
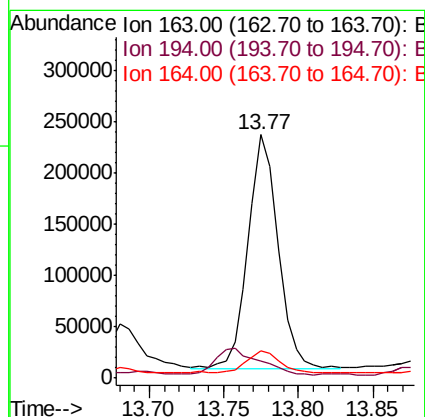
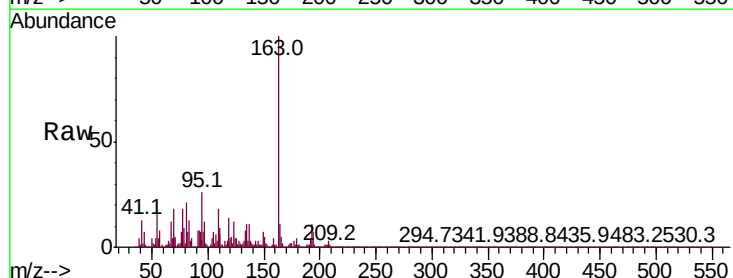
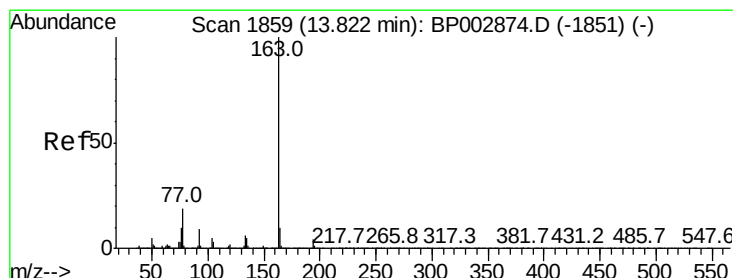
Tgt Ion:163 Resp: 316894

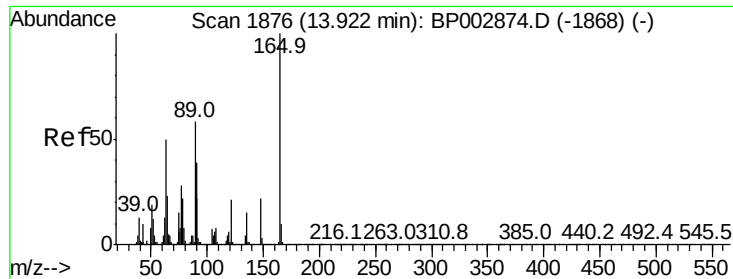
Ion Ratio Lower Upper

163 100

194 7.0 3.3 4.9#

164 11.3 8.1 12.1

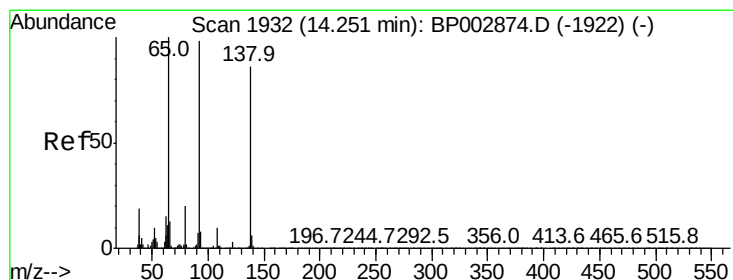
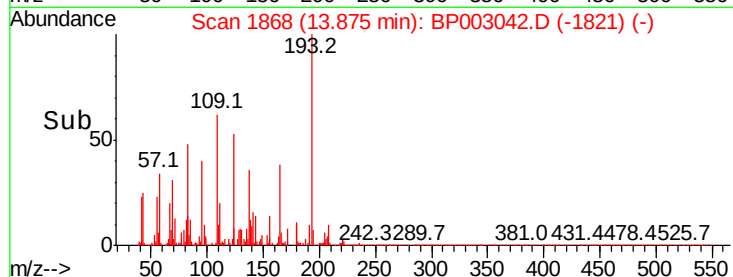
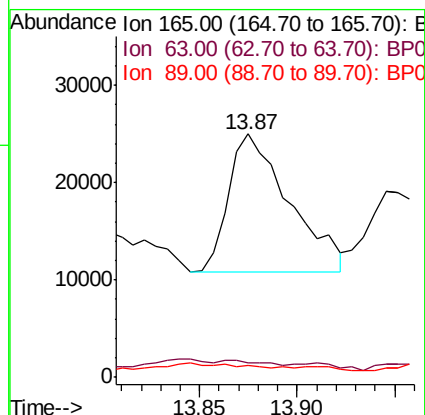
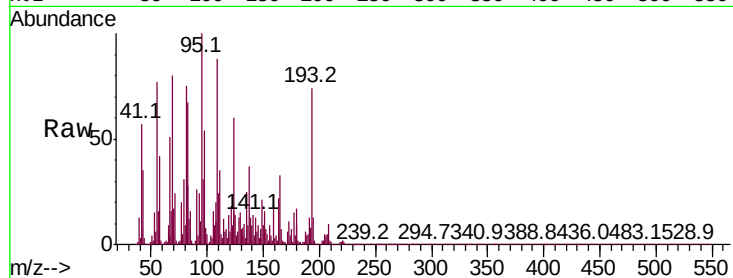




#51
 2,6-Dinitrotoluene
 Concen: 5.123 ng
 RT: 13.87 min Scan# 1868
 Delta R.T. -0.02 min
 Lab File: BP003042.D
 Acq: 19 Aug 2020 20:37

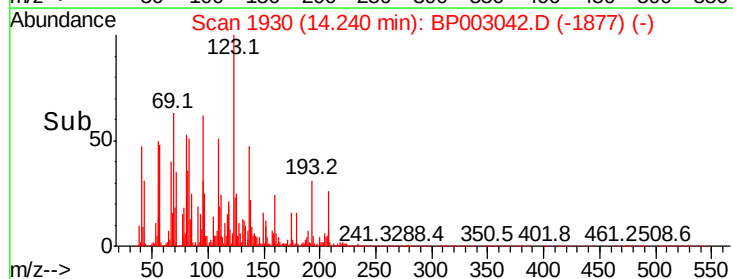
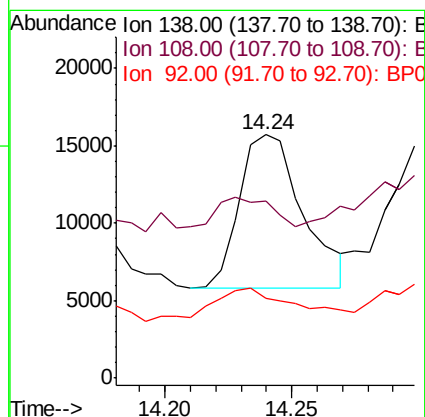
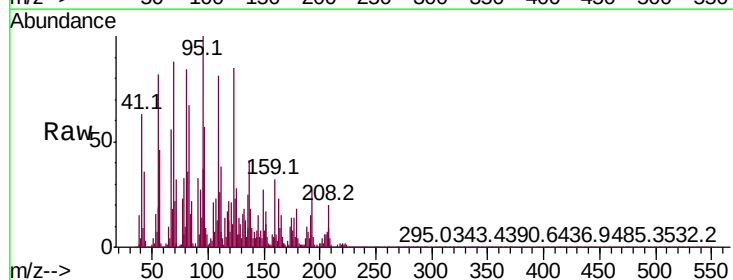
Instrument :
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 CHRT-25433

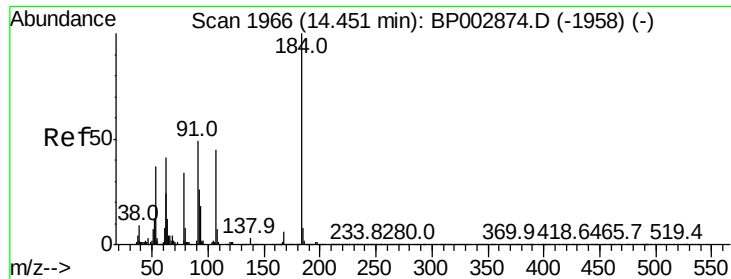
Tot Ion	Ratio	Lower	Upper
165	100		
63	6.1	28.1	42.1#
89	4.8	34.5	51.7#



#53
 3-Nitroaniline
 Concen: 4.455 ng
 RT: 14.24 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: BP003042.D
 Acq: 19 Aug 2020 20:37

Tgt Ion	Ratio	Lower	Upper
138	100		
108	72.8	7.7	11.5#
92	32.6	75.6	113.4#

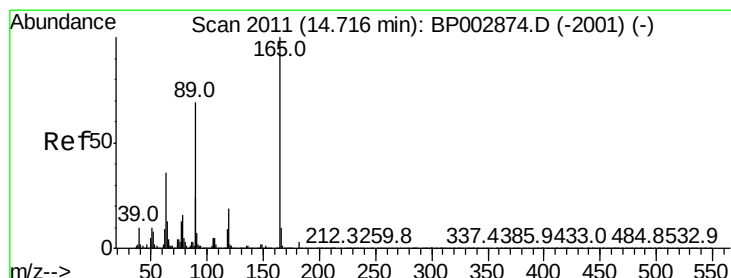
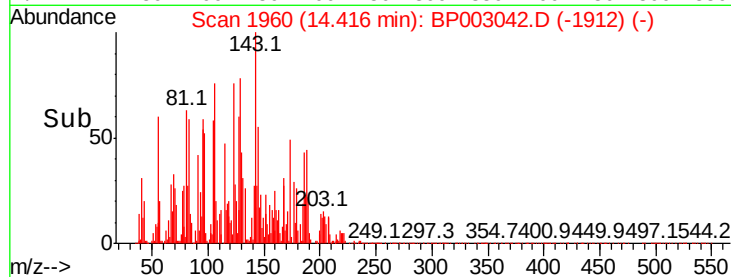
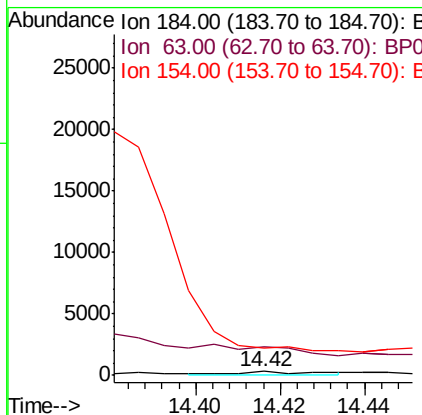
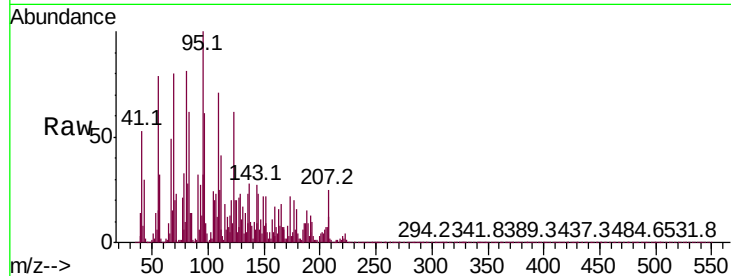




#54
2,4-Dinitrophenol
Concen: 8.105 ng
RT: 14.42 min Scan# 1960
Delta R.T. -0.02 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

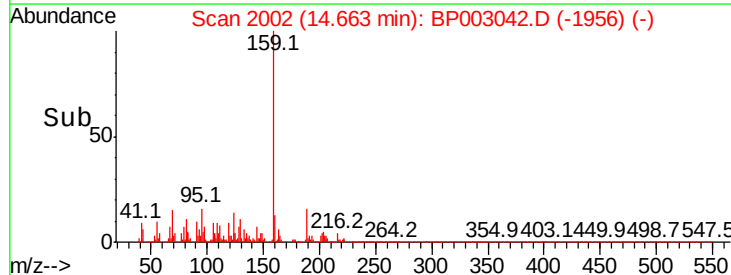
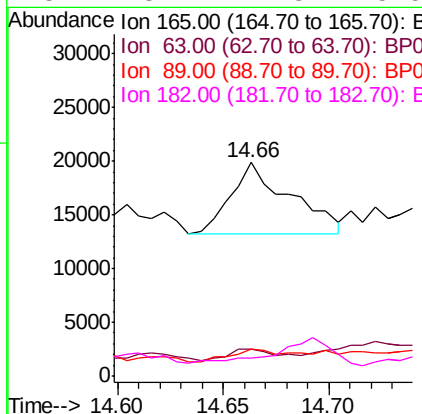
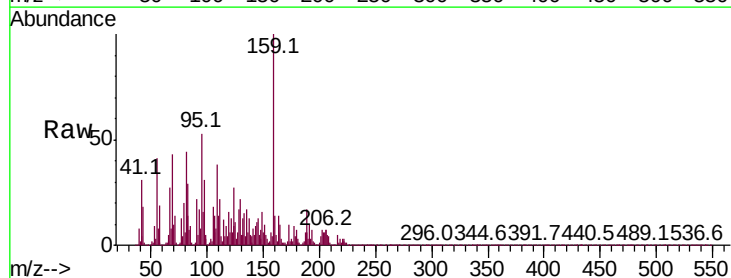
Instrument :
BNA_P
ClientSampleId :
CHRT-25433

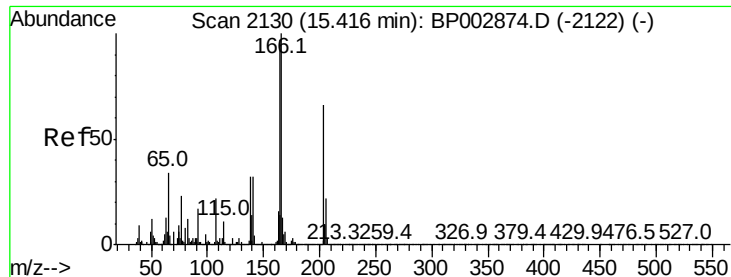
Tot Ion:184 Resp: 293
Ion Ratio Lower Upper
184 100
63 699.4 33.0 49.6#
154 693.3 46.8 70.2#



#57
2,4-Dinitrotoluene
Concen: 4.492 ng
RT: 14.66 min Scan# 2002
Delta R.T. -0.03 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion:165 Resp: 12802
Ion Ratio Lower Upper
165 100
63 12.7 20.6 31.0#
89 12.7 43.4 65.0#
182 8.4 2.3 3.5#

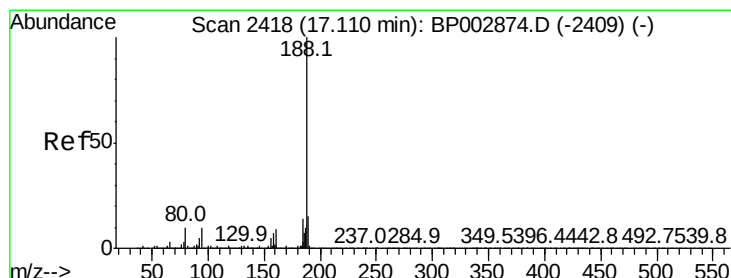
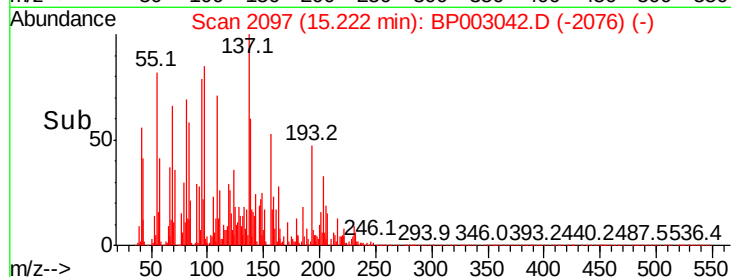
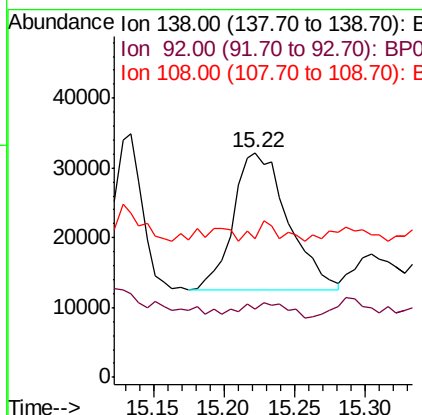
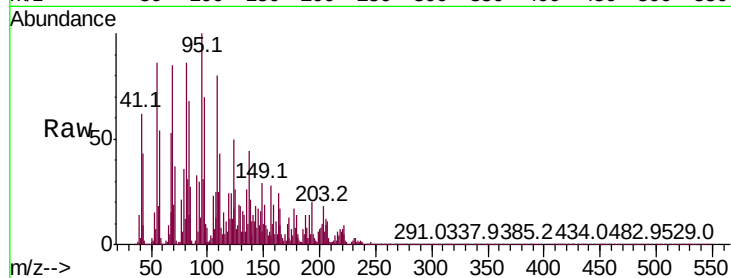




#62
4-Nitroaniline
Concen: 6.206 ng
RT: 15.22 min Scan# 2097
Delta R.T. -0.18 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

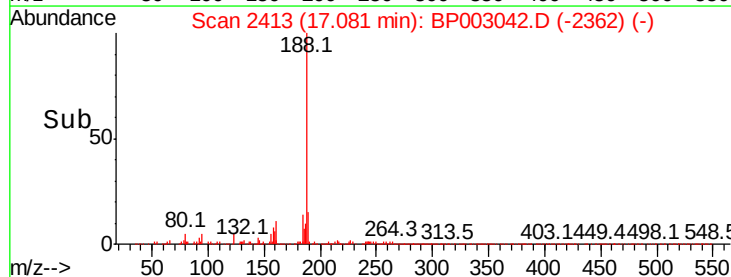
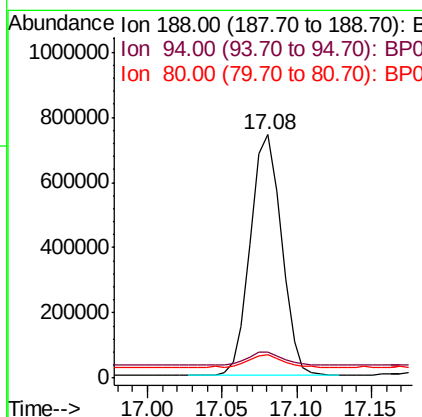
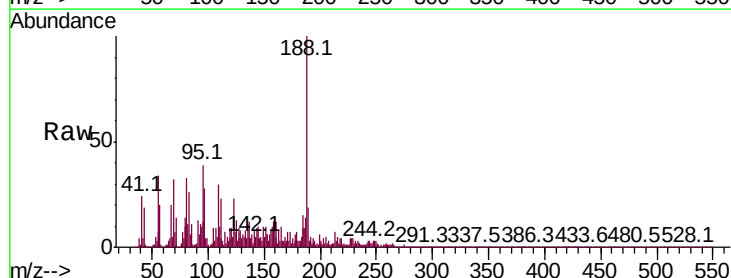
Instrument :
BNA_P
ClientSampleId :
CHRT-25433

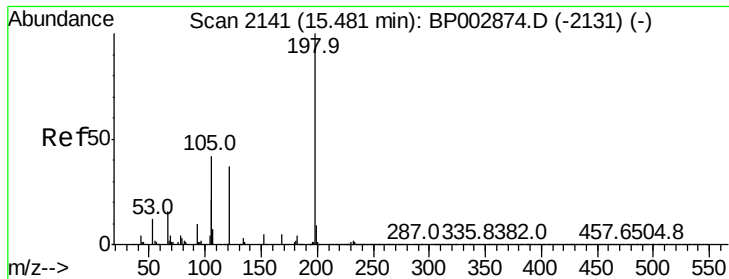
Tot Ion:138 Resp: 53564
Ion Ratio Lower Upper
138 100
92 30.3 21.4 61.4
108 62.0 40.8 80.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.08 min Scan# 2413
Delta R.T. -0.00 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion:188 Resp: 1063357
Ion Ratio Lower Upper
188 100
94 10.4 7.1 10.7
80 9.6 6.7 10.1

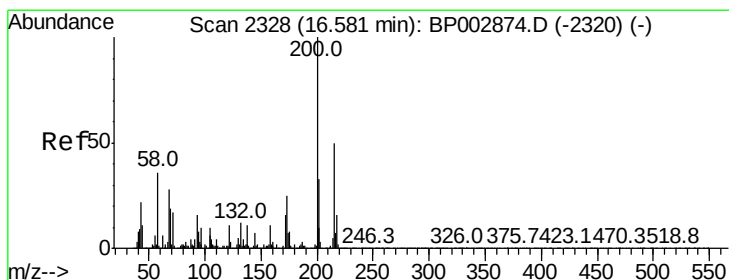
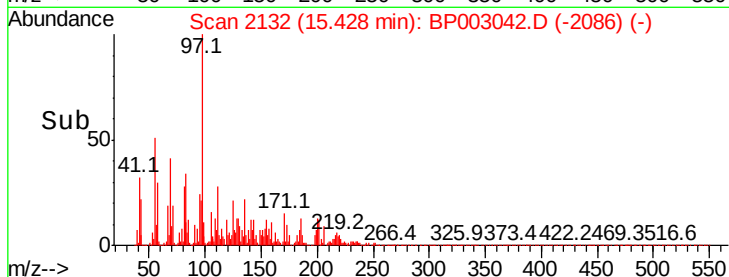
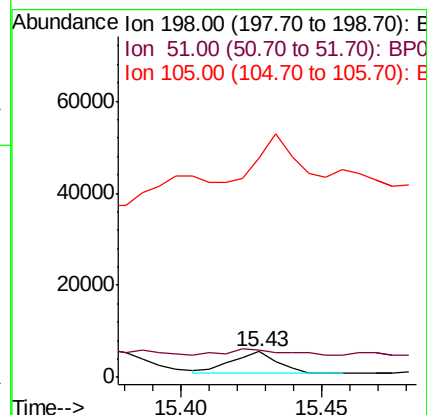
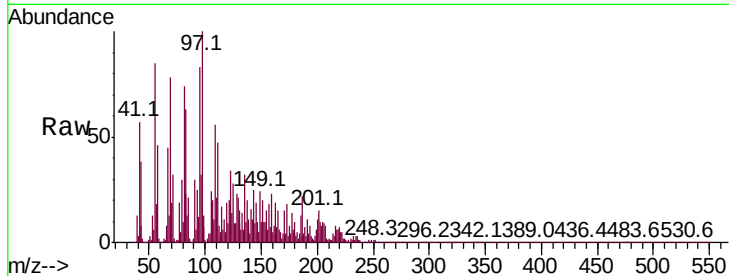




#65
4,6-Dinitro-2-methylphenol
Concen: 7.730 ng
RT: 15.43 min Scan# 2132
Delta R.T. -0.03 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

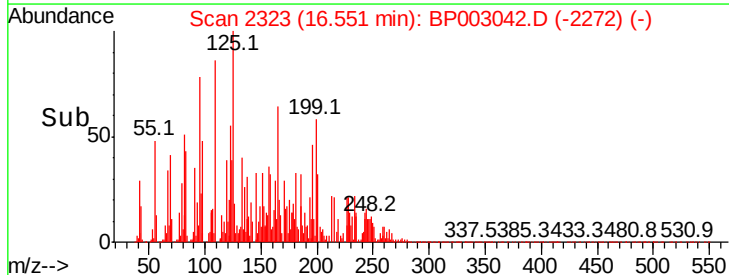
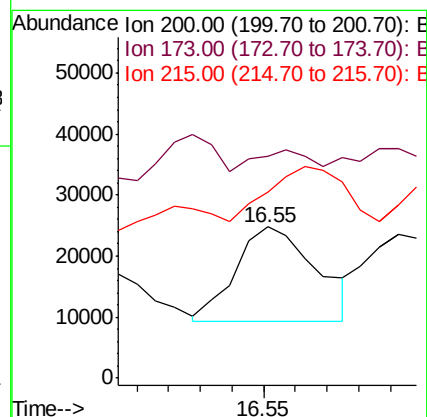
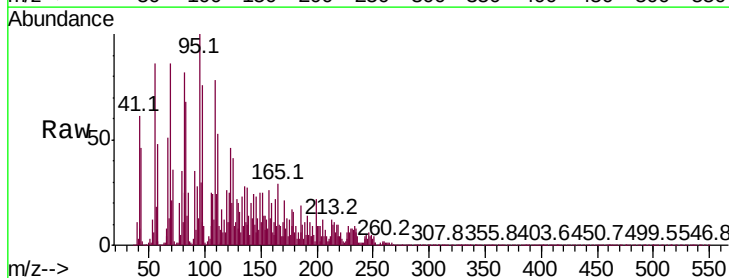
Instrument :
BNA_P
ClientSampleId :
CHRT-25433

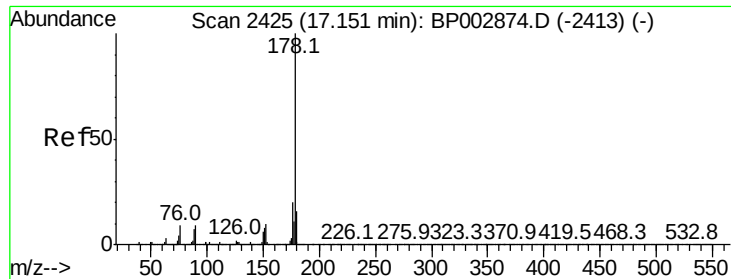
Tot Ion:198 Resp: 5369
Ion Ratio Lower Upper
198 100
51 106.3 6.2 46.2#
105 858.2 19.9 59.9#



#69
Atrazine
Concen: 2.270 ng
RT: 16.55 min Scan# 2323
Delta R.T. -0.00 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion:200 Resp: 27081
Ion Ratio Lower Upper
200 100
173 146.9 7.5 47.5#
215 123.2 27.6 67.6#

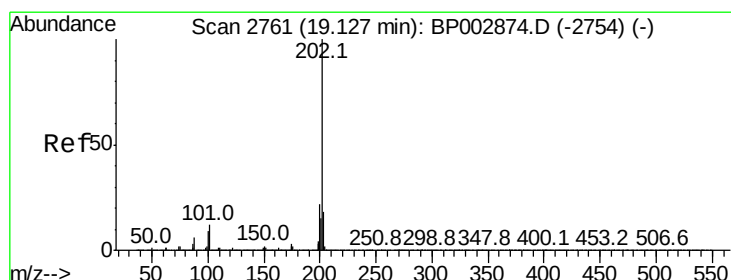
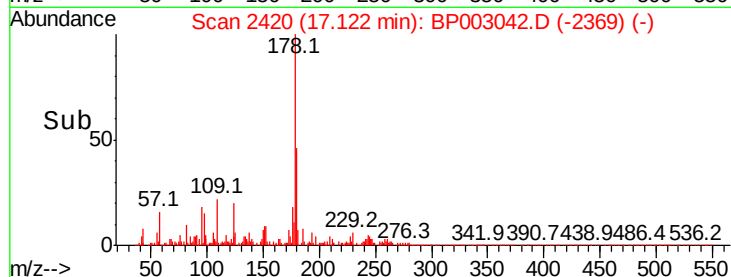
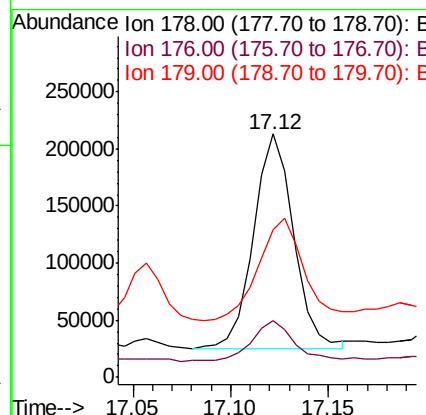
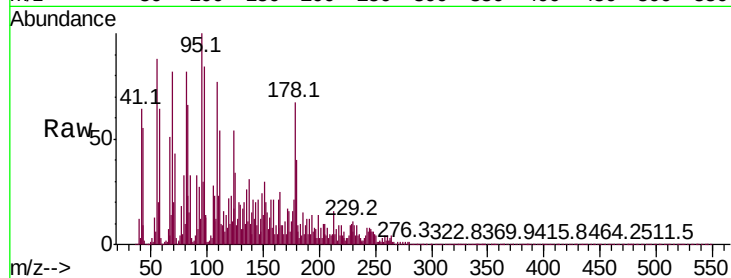




#71
Phenanthrene
Concen: 4.283 ng
RT: 17.12 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

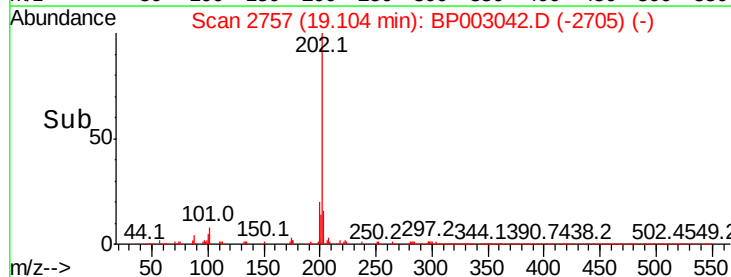
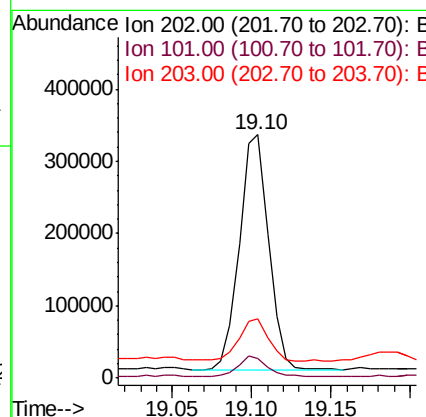
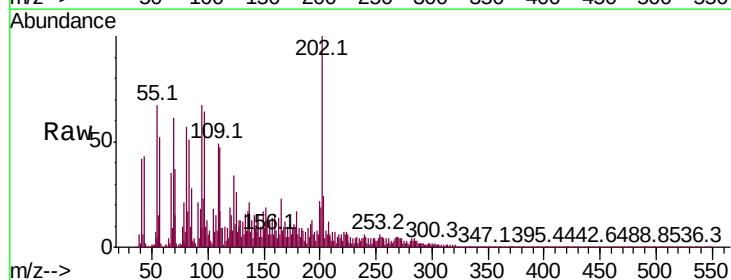
Instrument :
BNA_P
ClientSampleId :
CHRT-25433

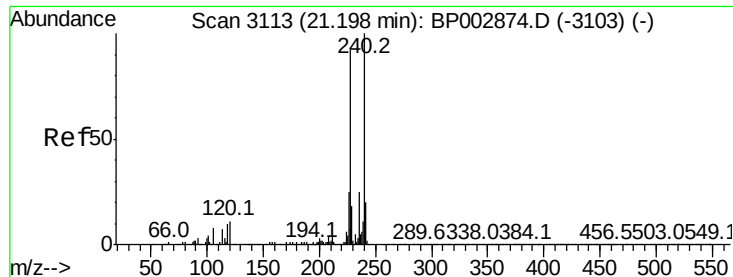
Tot Ion:178 Resp: 267072
Ion Ratio Lower Upper
178 100
176 23.3 15.8 23.8
179 60.5 12.9 19.3#



#75
Fluoranthene
Concen: 5.760 ng
RT: 19.10 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion:202 Resp: 413813
Ion Ratio Lower Upper
202 100
101 8.3 0.0 31.2
203 24.2 0.0 38.4

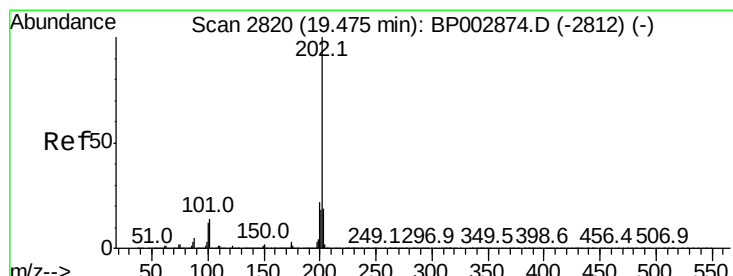
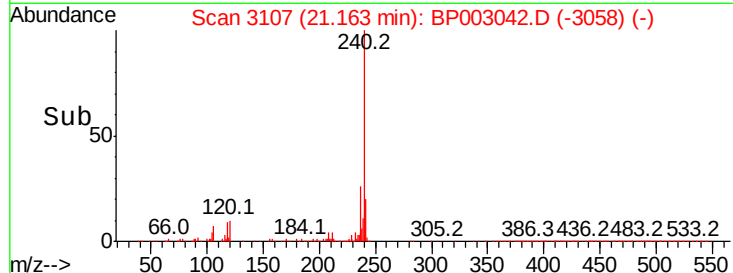
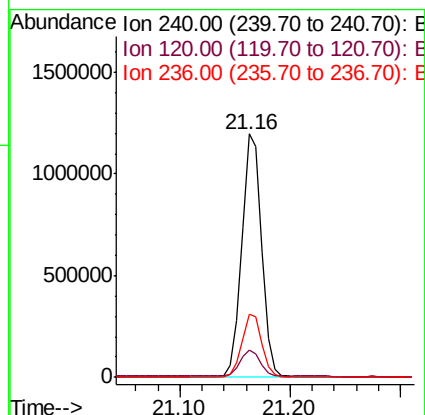
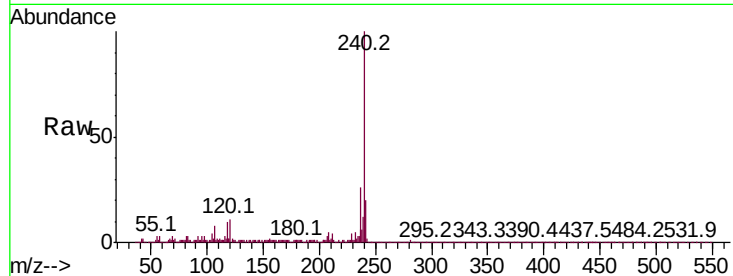




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

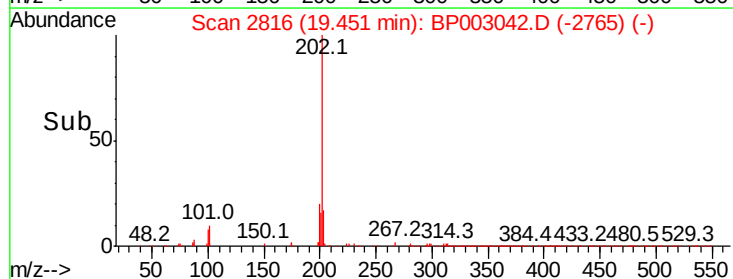
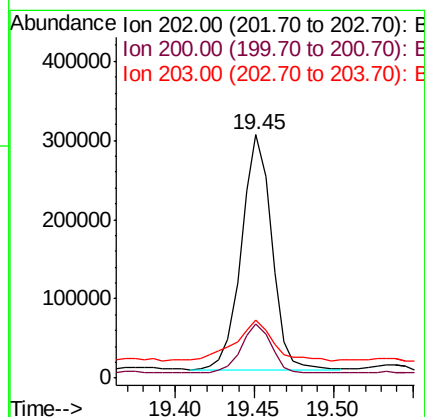
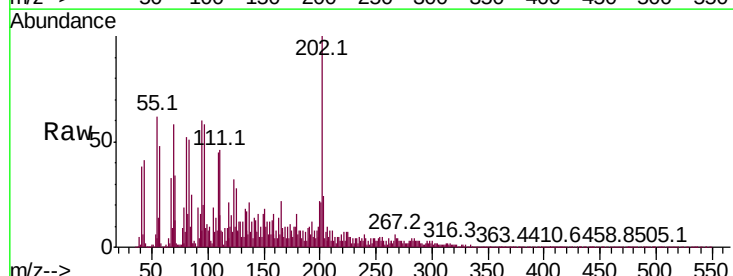
Instrument :
BNA_P
ClientSampleId :
CHRT-25433

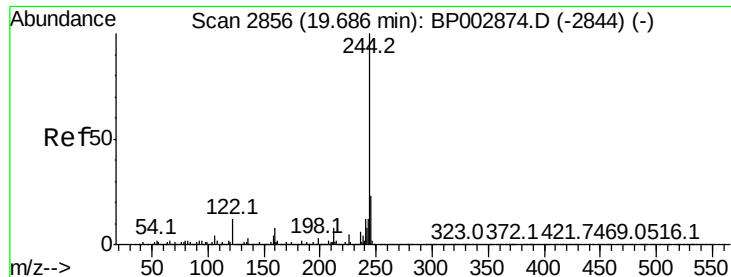
Tot Ion:240 Resp: 1510290
Ion Ratio Lower Upper
240 100
120 11.1 9.5 14.3
236 25.9 20.8 31.2



#78
Pyrene
Concen: 3.729 ng
RT: 19.45 min Scan# 2816
Delta R.T. -0.00 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion:202 Resp: 393672
Ion Ratio Lower Upper
202 100
200 22.2 17.8 26.6
203 23.8 14.6 22.0#





#79

Terphenyl-d14

Concen: 34.316 ng

RT: 19.65 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

Instrument :

BNA_P

ClientSampleId :

CHRT-25433

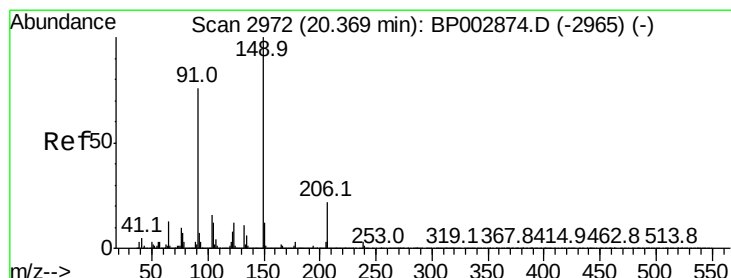
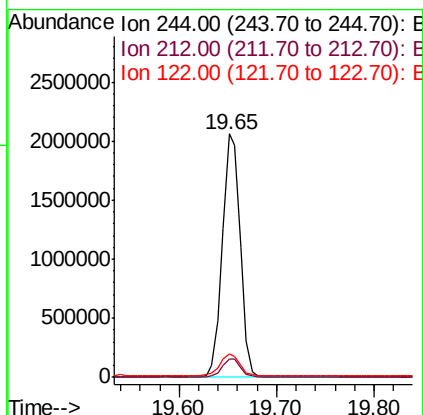
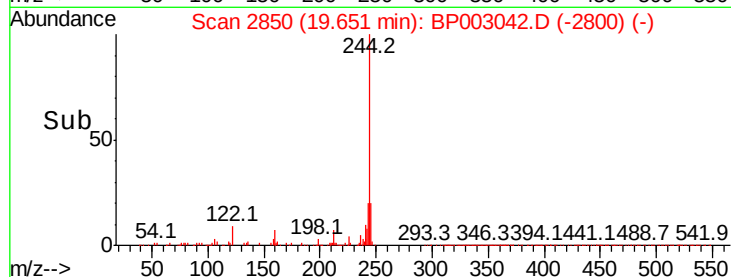
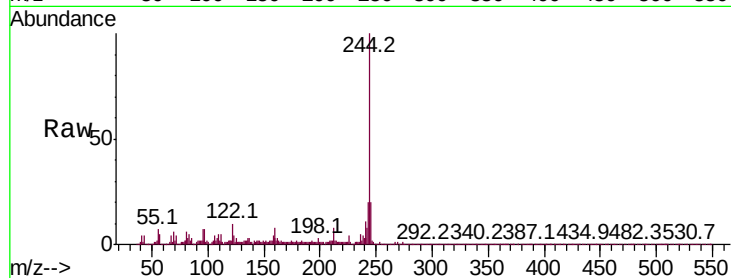
Tot Ion:244 Resp: 2588809

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

122 9.8 8.7 13.1



#80

Butylbenzylphthalate

Concen: 3.336 ng

RT: 20.33 min Scan# 2965

Delta R.T. -0.01 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

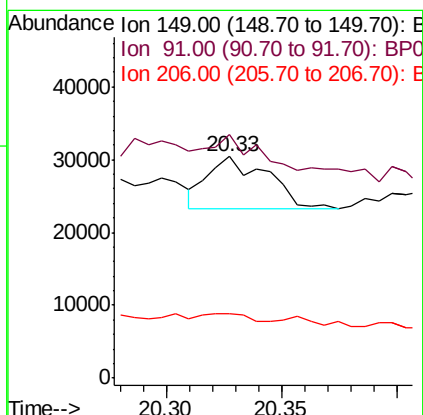
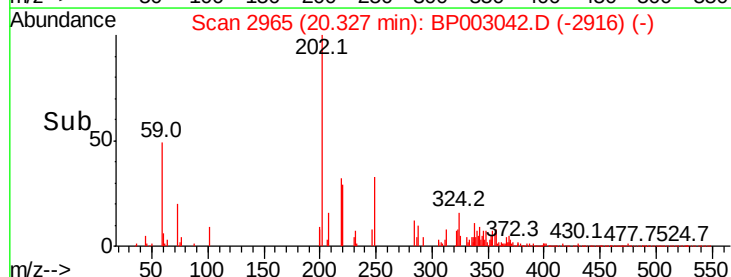
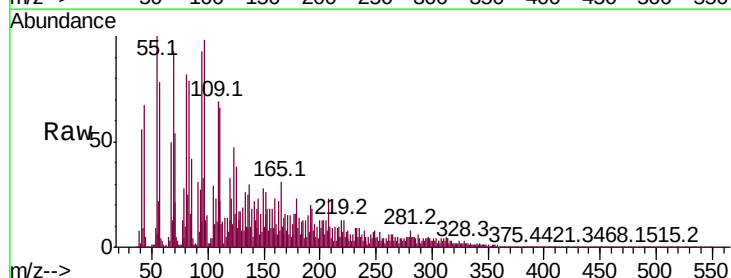
Tgt Ion:149 Resp: 12730

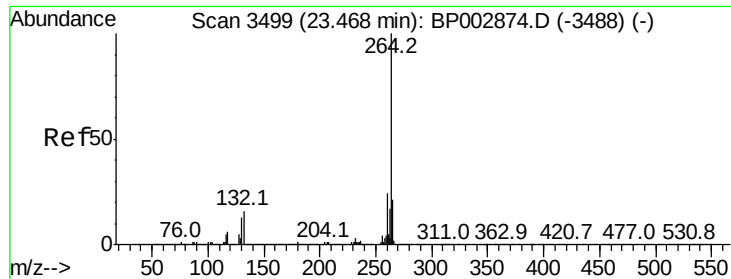
Ion Ratio Lower Upper

149 100

91 109.9 45.3 67.9#

206 29.3 17.5 26.3#



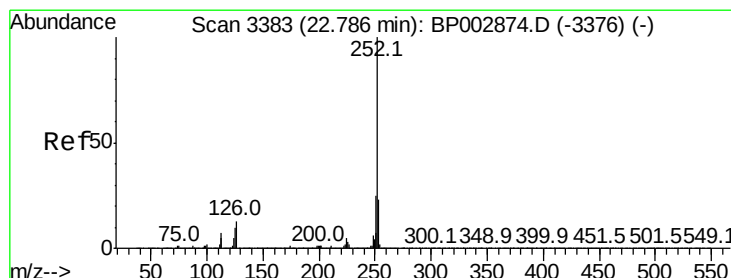
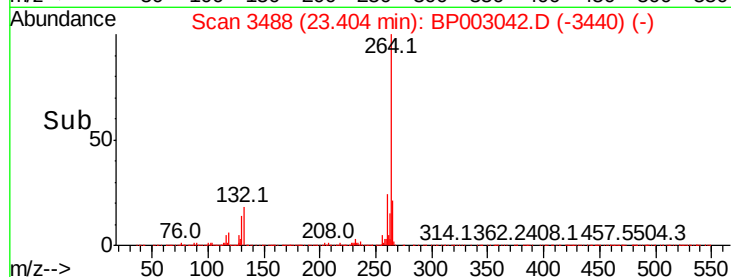
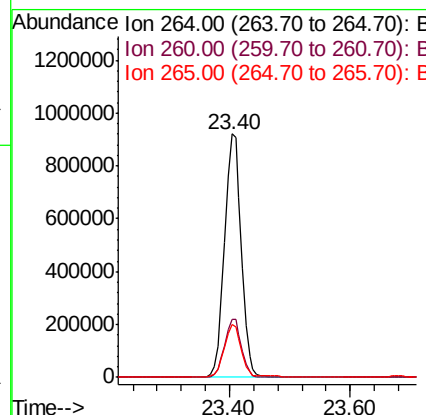
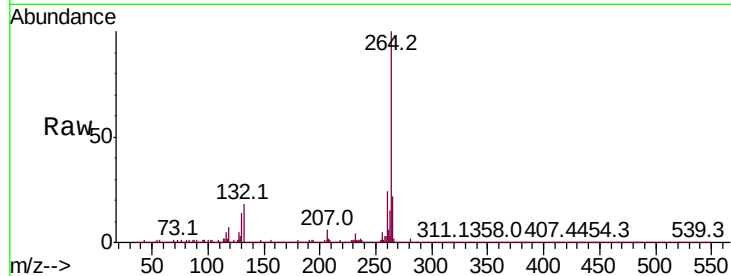


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.40 min Scan# 3488
Delta R.T. -0.02 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Instrument :
BNA_P
ClientSampleId :
CHRT-25433

Tot Ion:264 Resp: 1761278

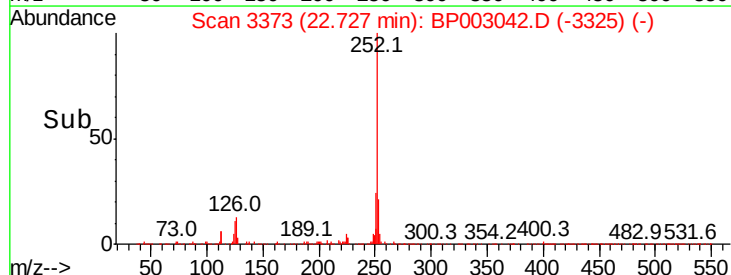
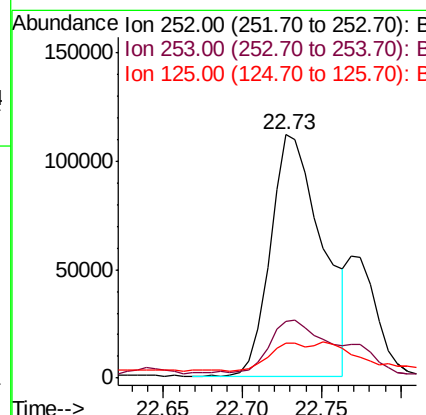
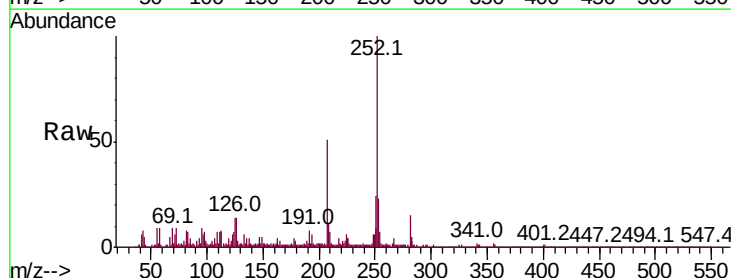
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	17.3	25.9

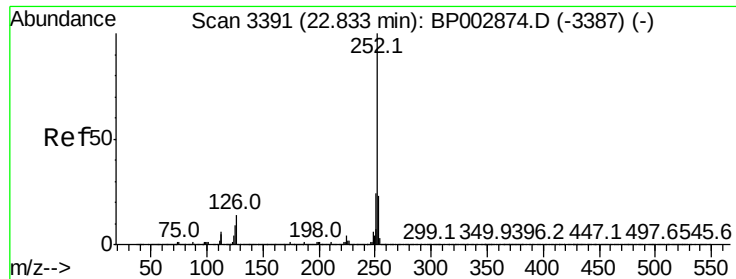


#88
Benzo(b)fluoranthene
Concen: 2.032 ng
RT: 22.73 min Scan# 3373
Delta R.T. -0.02 min
Lab File: BP003042.D
Acq: 19 Aug 2020 20:37

Tgt Ion:252 Resp: 252603

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	14.3	9.4	14.2#





#89

Benzo(k)fluoranthene

Concen: 2.150 ng

RT: 22.73 min Scan# 3373

Delta R.T. -0.06 min

Lab File: BP003042.D

Acq: 19 Aug 2020 20:37

Instrument :

BNA_P

ClientSampleId :

CHRT-25433

Tot Ion: 252 Resp: 252603

Ion Ratio Lower Upper

252 100

253 23.2 18.3 27.5

125 14.3 9.3 13.9#

