

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081920\
 Data File : BP003046.D
 Acq On : 19 Aug 2020 22:54
 Operator : CG/JU
 Sample : L3712-13 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26982

Quant Time: Aug 20 01:17:54 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	350719	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1409024	20.00	ng	-0.01
39) Acenaphthene-d10	14.32	164	775763	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1192834	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1578603	20.00	ng	0.00
86) Perylene-d12	23.41	264	1792880	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	310177	13.54	ng	0.00
7) Phenol-d6	6.86	99	376122	11.82	ng	-0.01
23) Nitrobenzene-d5	8.82	82	213922	8.22	ng	-0.01
42) 2,4,6-Tribromophenol	15.82	330	130438	13.53	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	566560	9.98	ng	-0.01
79) Terphenyl-d14	19.65	244	600496	7.62	ng	0.00

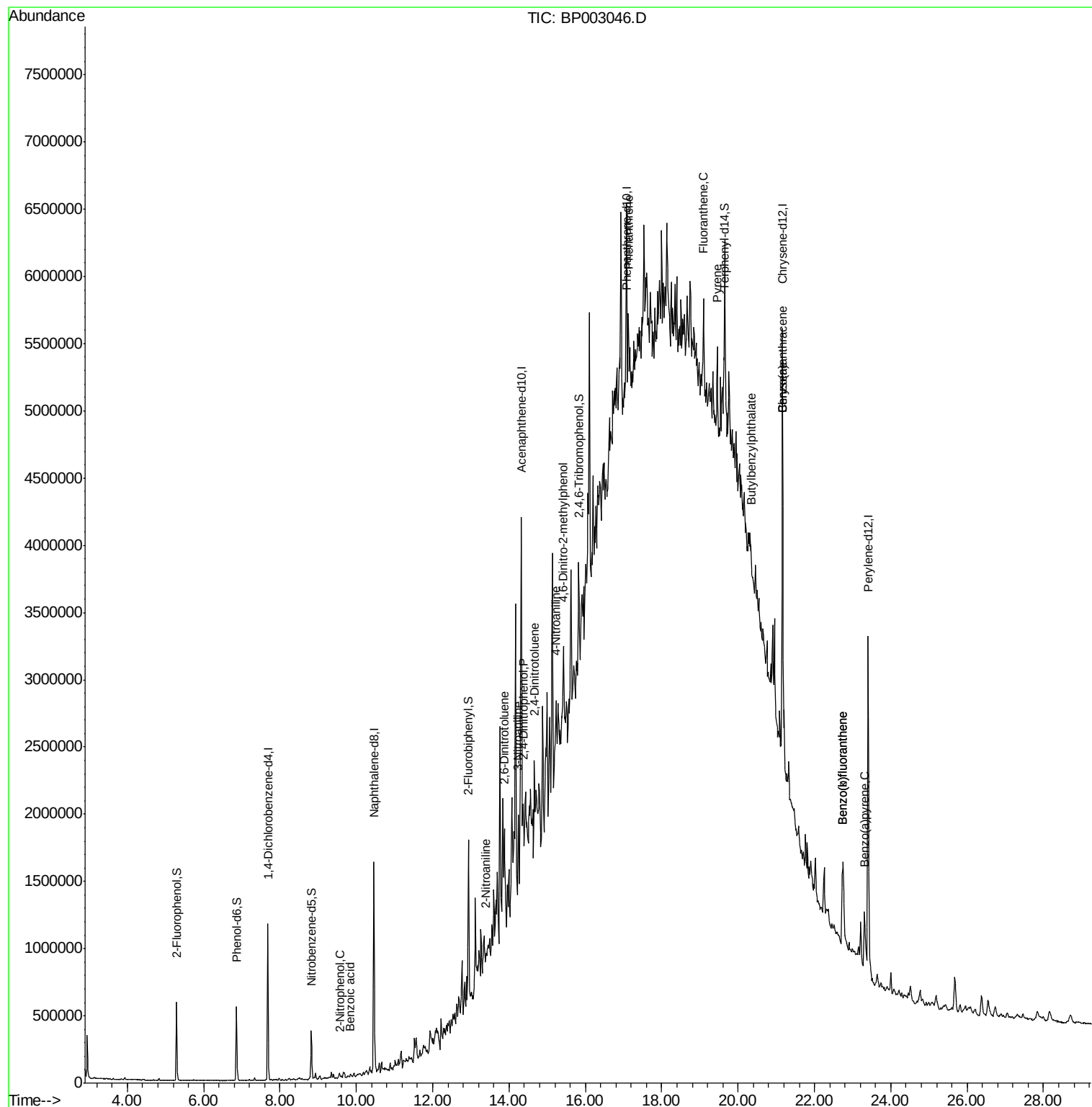
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	9.59	139	238	4.539	ng	# 1
32) Benzoic acid	9.82	122	276	7.704	ng	# 1
48) 2-Nitroaniline	13.39	65	211	3.987	ng	# 62
51) 2,6-Dinitrotoluene	13.88	165	30098	4.967	ng	# 49
53) 3-Nitroaniline	14.24	138	26407	4.987	ng	# 27
54) 2,4-Dinitrophenol	14.38	184	124	8.077	ng	# 1
57) 2,4-Dinitrotoluene	14.66	165	5811	4.103	ng	# 59
62) 4-Nitroaniline	15.23	138	47645	5.630	ng	# 85
65) 4,6-Dinitro-2-methylphenol	15.42	198	6253	7.762	ng	# 1
71) Phenanthrene	17.12	178	217230	3.106	ng	# 65
75) Fluoranthene	19.10	202	440006	5.460	ng	# 93
78) Pyrene	19.45	202	388189	3.518	ng	# 96
80) Butylbenzylphthalate	20.33	149	8969	3.245	ng	# 48
81) Benzo(a)anthracene	21.15	228	273223	2.541	ng	# 96
83) Chrysene	21.15	228	273223	2.694	ng	# 96
88) Benzo(b)fluoranthene	22.73	252	461153	3.645	ng	# 95
89) Benzo(k)fluoranthene	22.73	252	461153	3.856	ng	# 95
90) Benzo(a)pyrene	23.30	252	289809	2.535	ng	# 96

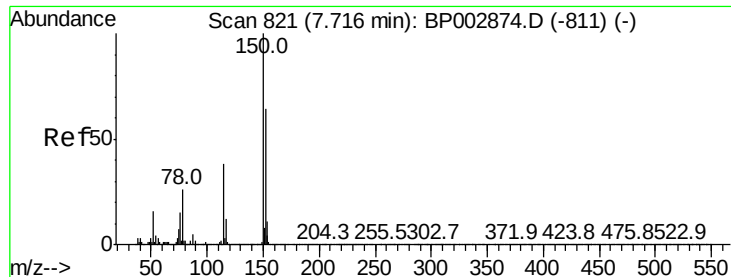
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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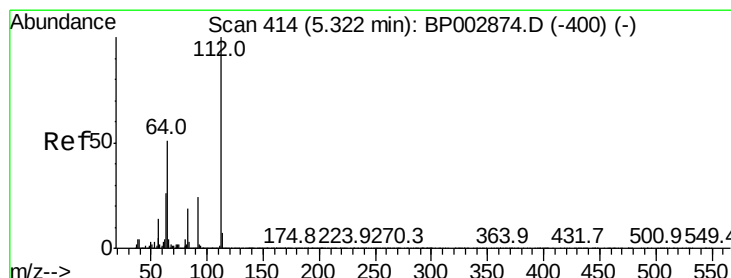
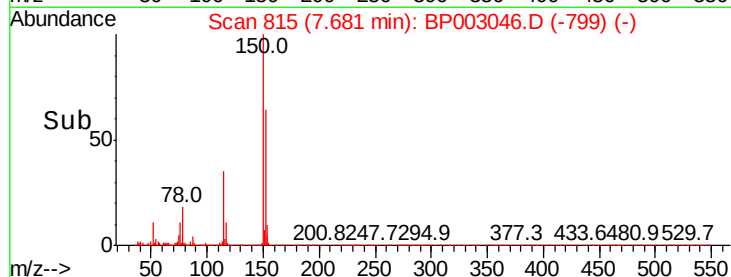
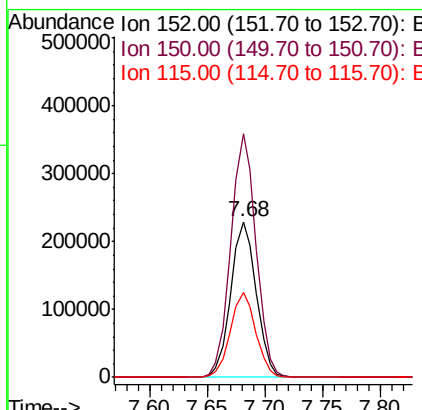
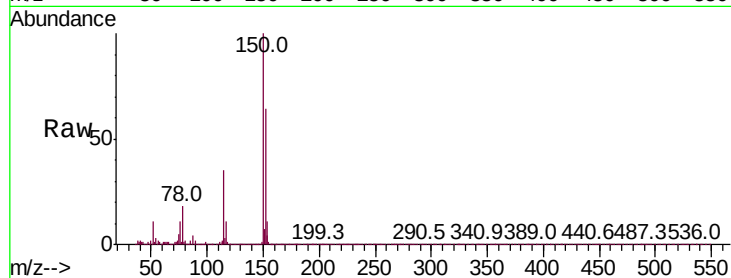


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 815
Delta R.T. -0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Instrument :
BNA_P
ClientSampleId :
CHRT-26982

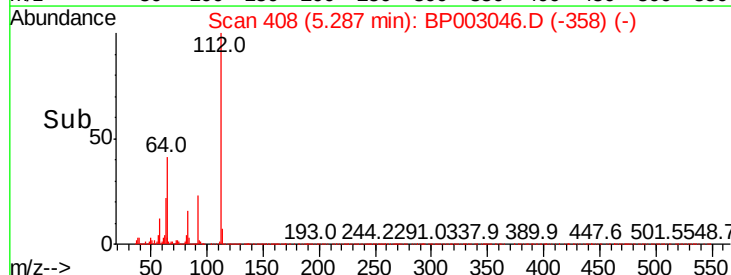
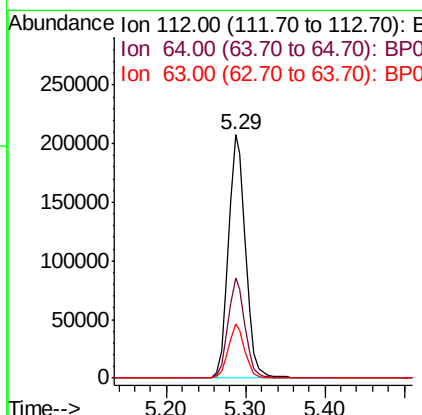
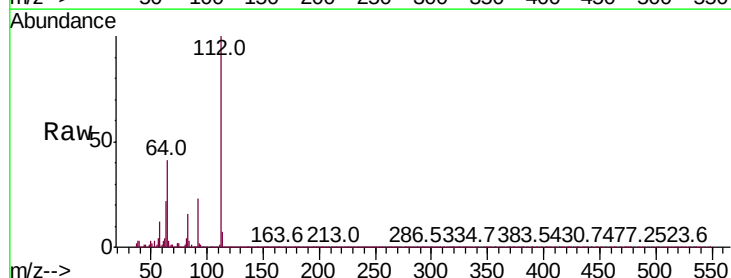
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.1	189.1
115	54.8	43.4	65.2

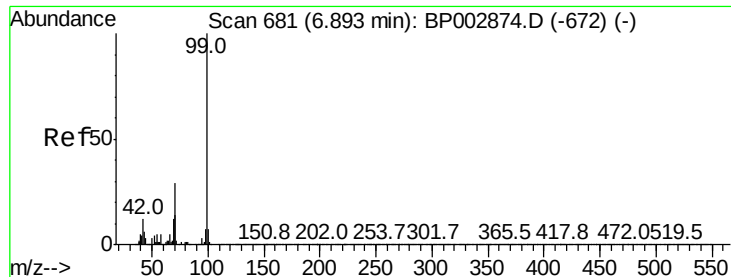


#5

2-Fluorophenol
Concen: 13.536 ng
RT: 5.29 min Scan# 408
Delta R.T. -0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.4	33.4	50.2
63	22.1	17.4	26.0





#7

Phenol-d6

Concen: 11.822 ng

RT: 6.86 min Scan# 675

Delta R.T. -0.01 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26982

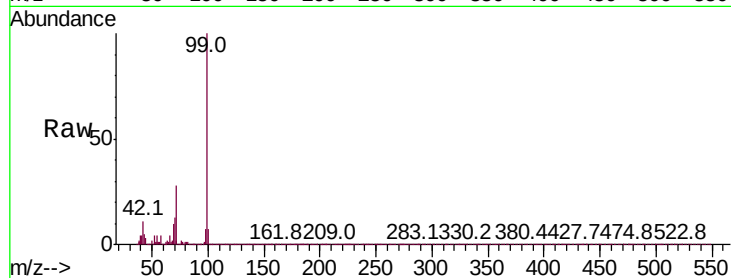
Tot Ion: 99 Resp: 376122

Ion Ratio Lower Upper

99 100

42 11.1 8.0 12.0

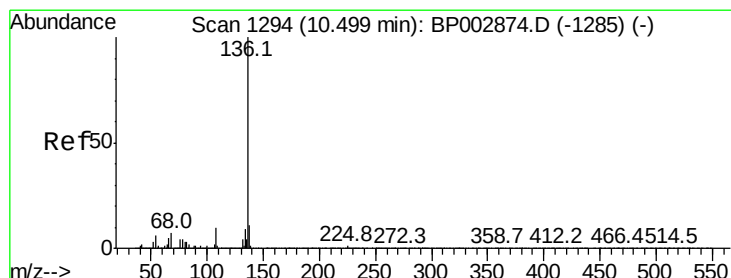
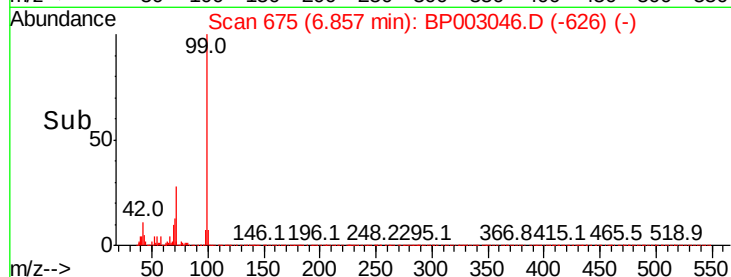
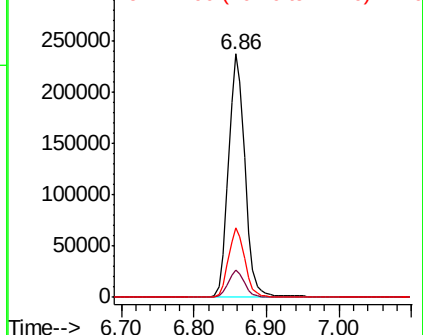
71 28.4 21.3 31.9



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: BP003046.D

Acq: 19 Aug 2020 22:54

Tgt Ion: 136 Resp: 1409024

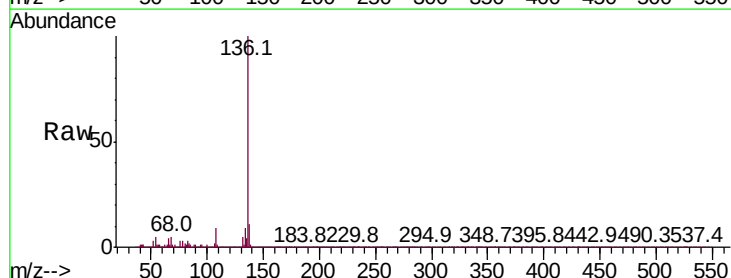
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 4.5 3.8 5.8

68 4.6 3.8 5.8

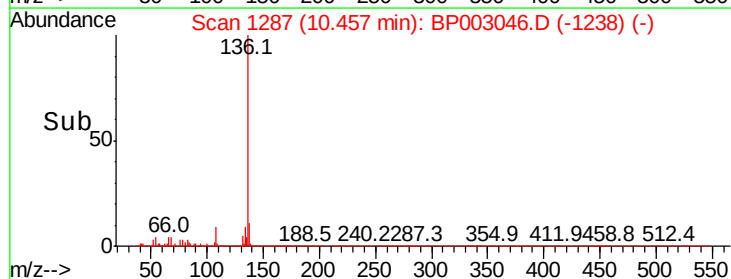
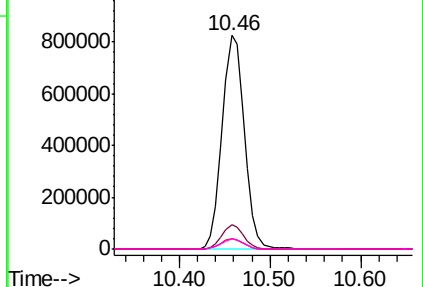


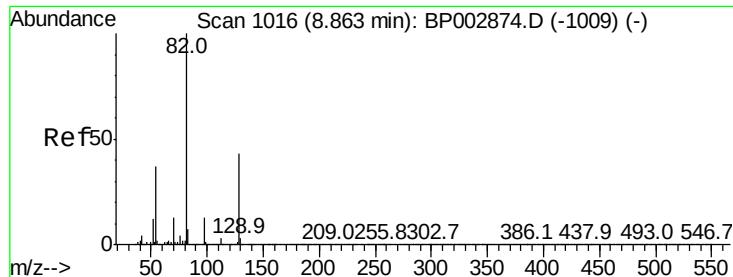
Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.223 ng

RT: 8.82 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26982

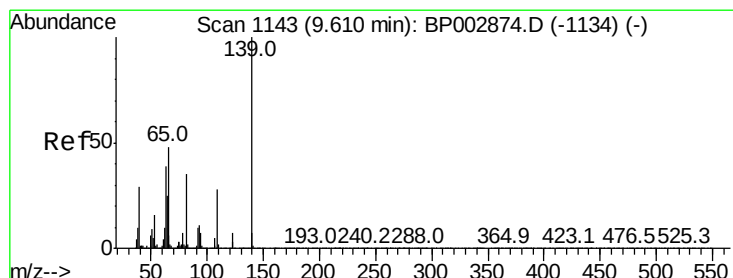
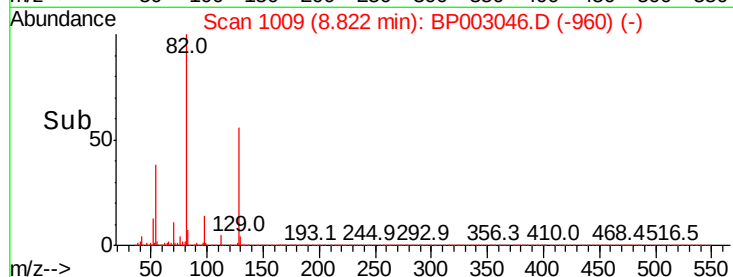
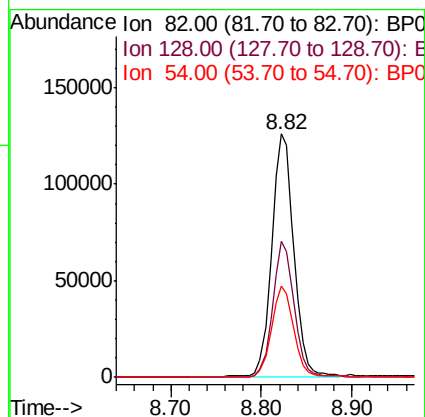
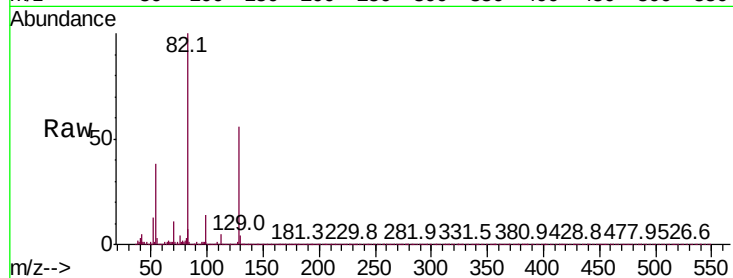
Tot Ion: 82 Resp: 213922

Ion Ratio Lower Upper

82 100

128 55.8 45.1 67.7

54 37.7 28.8 43.2



#26

2-Nitrophenol

Concen: 4.539 ng

RT: 9.59 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

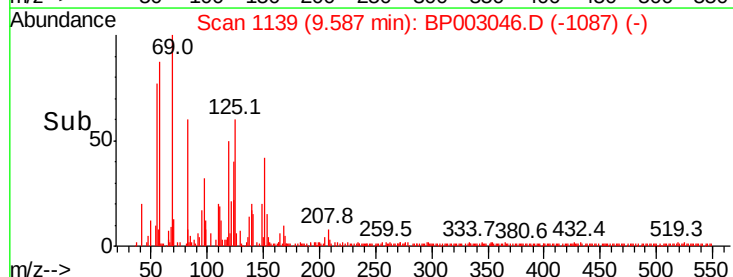
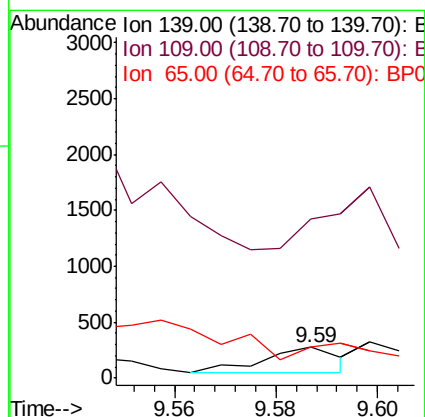
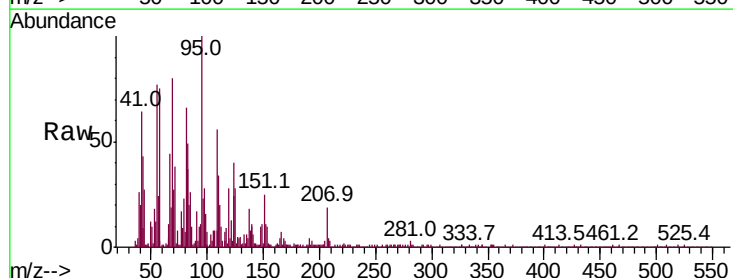
Tgt Ion: 139 Resp: 238

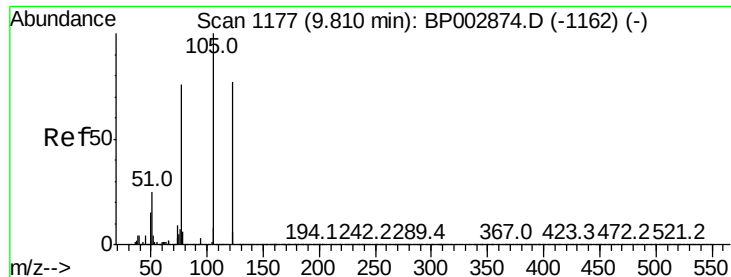
Ion Ratio Lower Upper

139 100

109 510.1 21.0 31.6#

65 102.2 27.2 40.8#

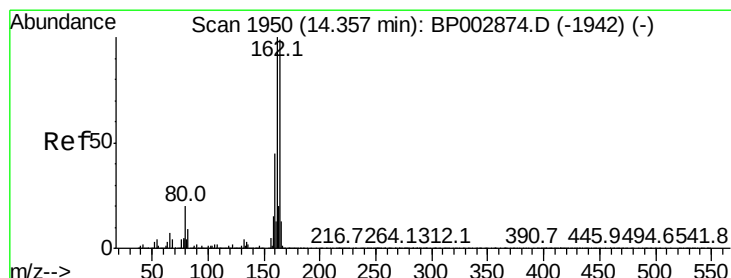
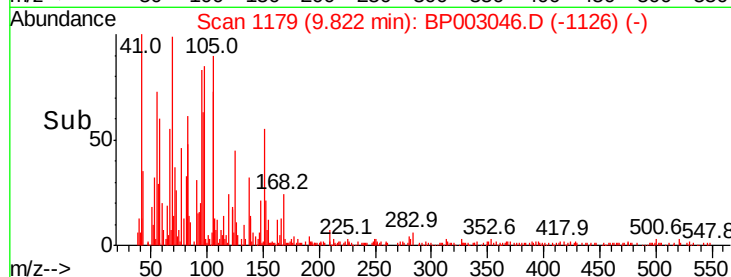
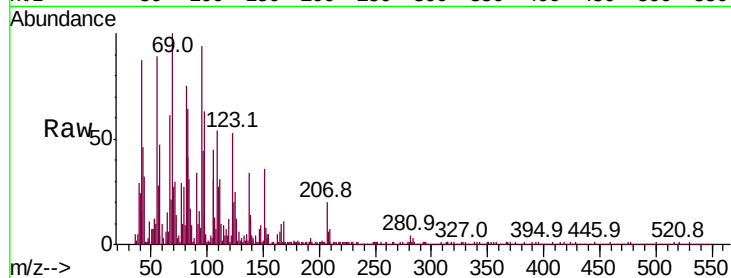
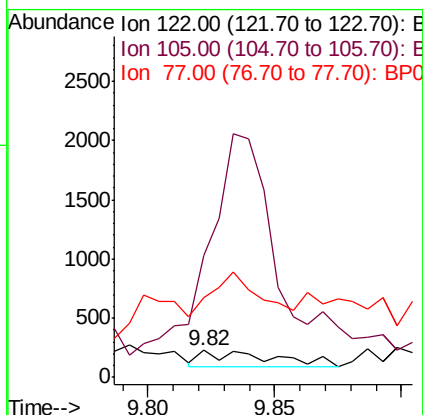




#32
Benzoic acid
Concen: 7.704 ng
RT: 9.82 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

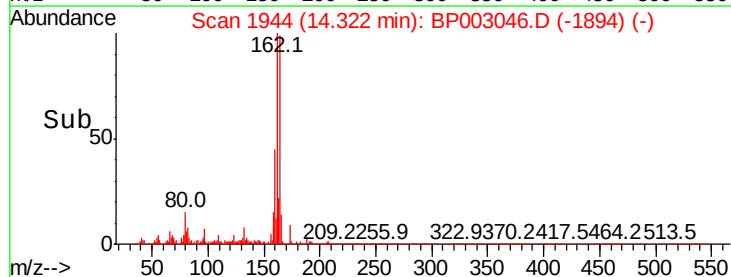
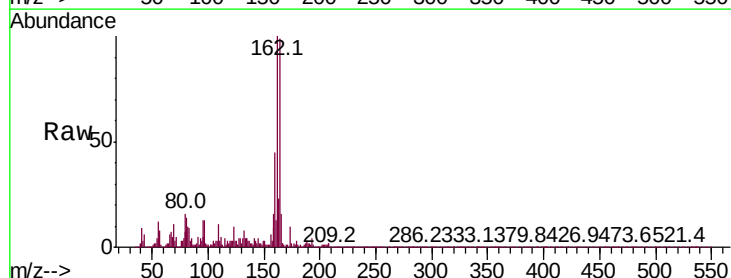
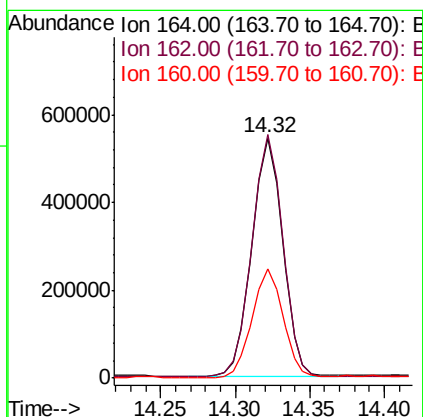
Instrument :
BNA_P
ClientSampled :
CHRT-26982

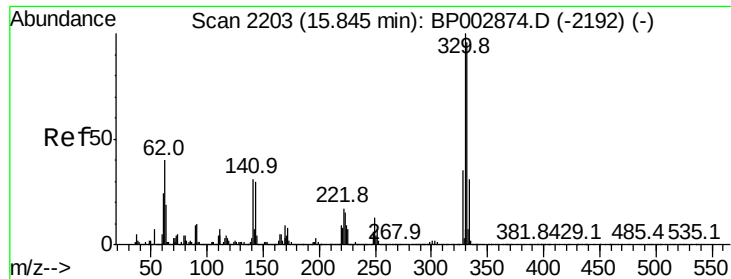
Tot Ion	Ratio	Lower	Upper
122	100		
105	452.4	96.2	136.2#
77	294.8	55.6	95.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.4	122.0
160	45.6	35.5	53.3

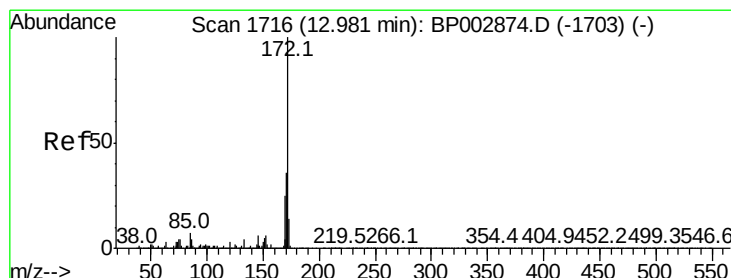
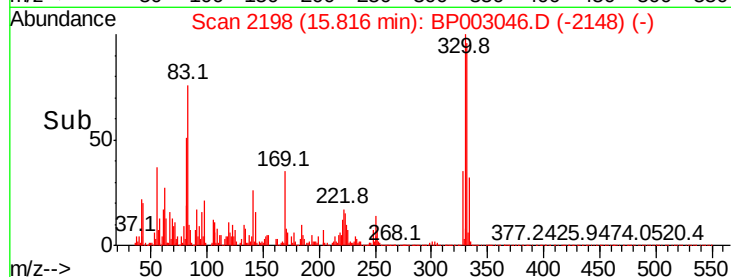
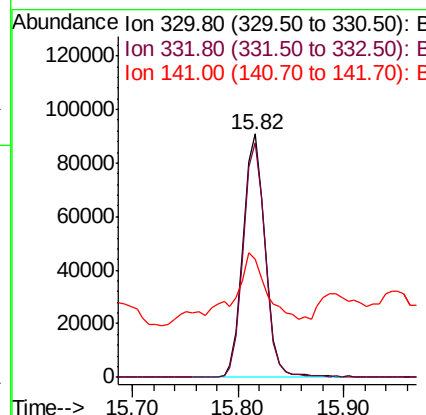
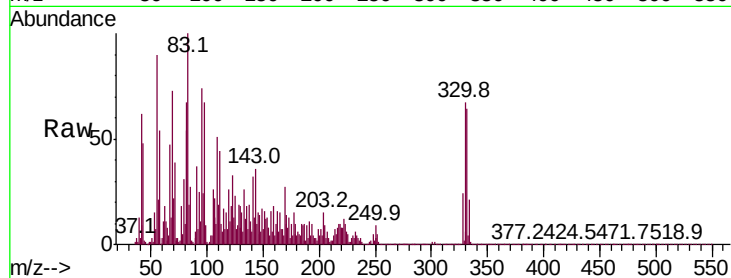




#42
 2,4,6-Tribromophenol
 Concen: 13.528 ng
 RT: 15.82 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BP003046.D
 Acq: 19 Aug 2020 22:54

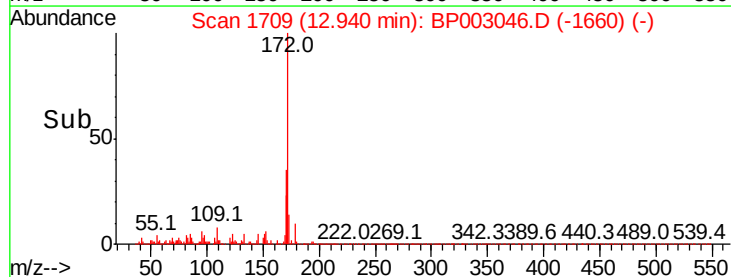
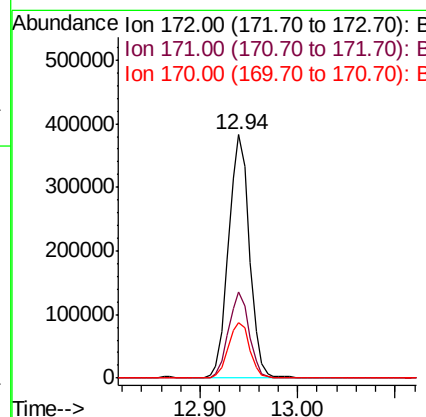
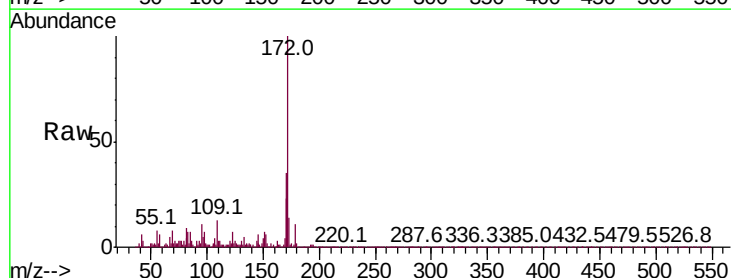
Instrument :
 BNA_P
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 CHRT-26982

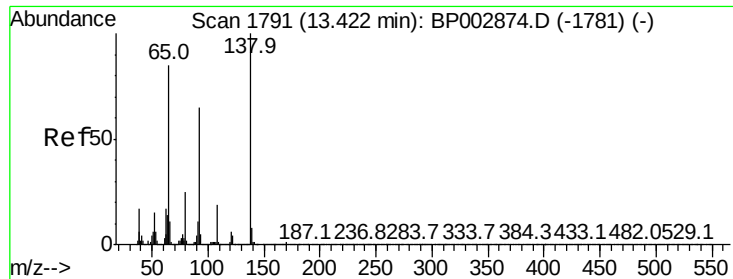
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	35.1	26.7	40.1



#45
 2-Fluorobiphenyl
 Concen: 9.978 ng
 RT: 12.94 min Scan# 1709
 Delta R.T. -0.01 min
 Lab File: BP003046.D
 Acq: 19 Aug 2020 22:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.0	43.4
170	23.0	19.1	28.7

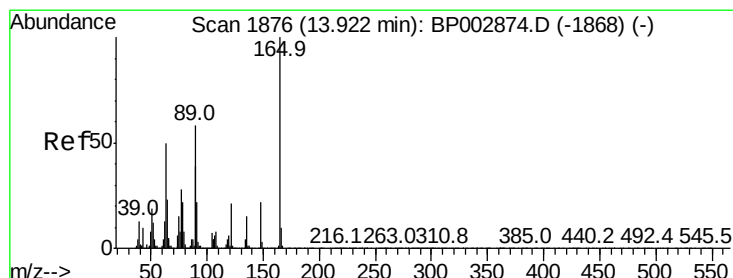
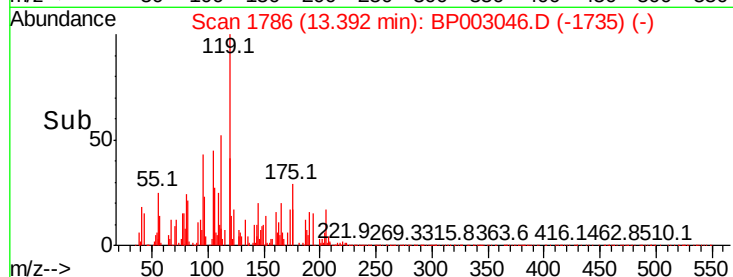
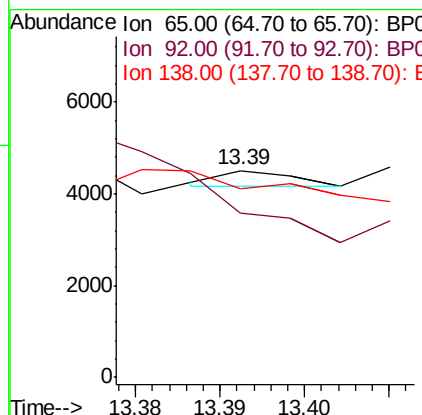
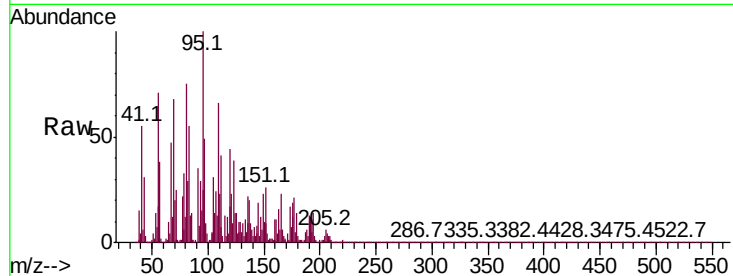




#48
2-Nitroaniline
Concen: 3.987 ng
RT: 13.39 min Scan# 1786
Delta R.T. -0.00 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

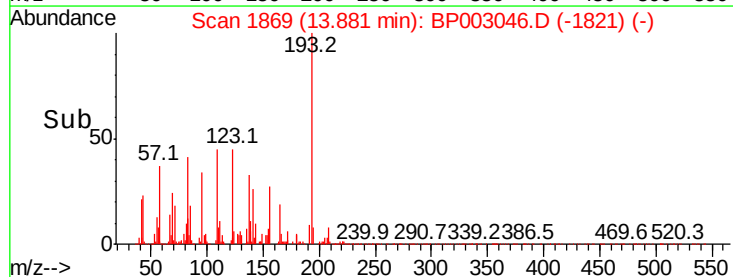
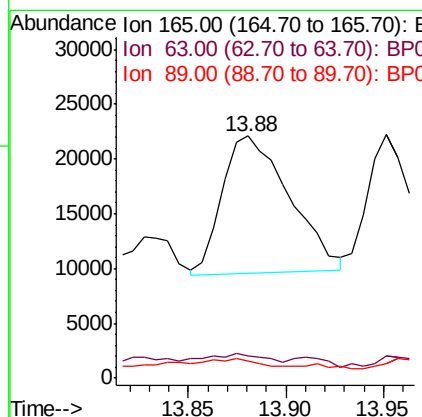
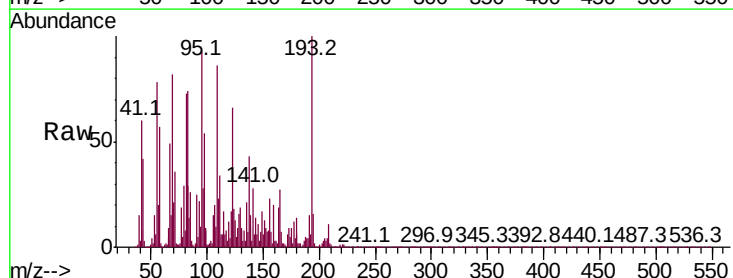
Instrument :
BNA_P
ClientSampleId :
CHRT-26982

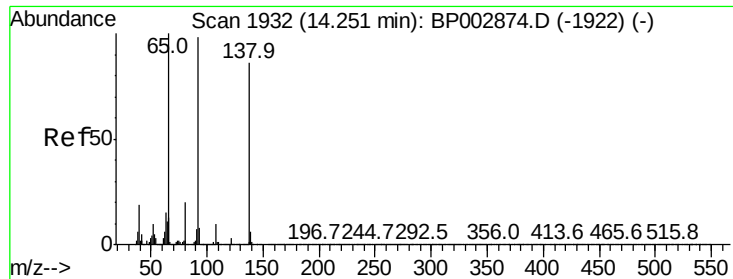
Tot Ion: 65 Resp: 211
Ion Ratio Lower Upper
65 100
92 79.3 70.1 105.1
138 91.2 129.7 194.5#



#51
2,6-Dinitrotoluene
Concen: 4.967 ng
RT: 13.88 min Scan# 1869
Delta R.T. -0.02 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion: 165 Resp: 30098
Ion Ratio Lower Upper
165 100
63 8.9 28.1 42.1#
89 6.9 34.5 51.7#

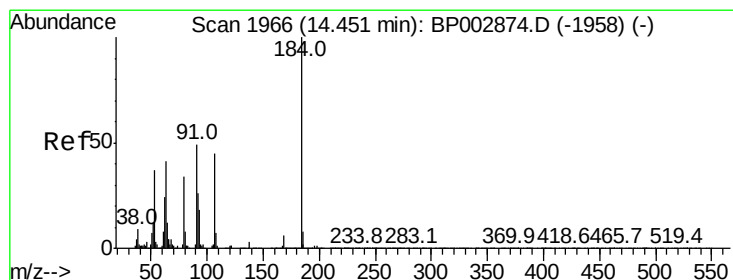
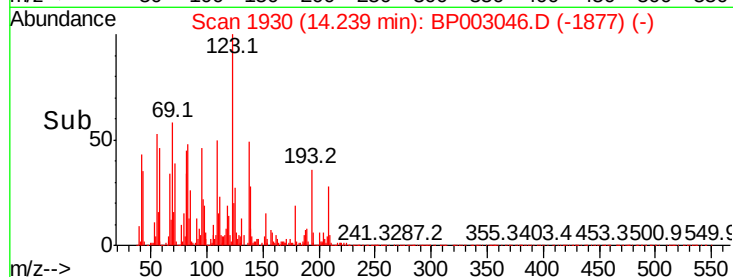
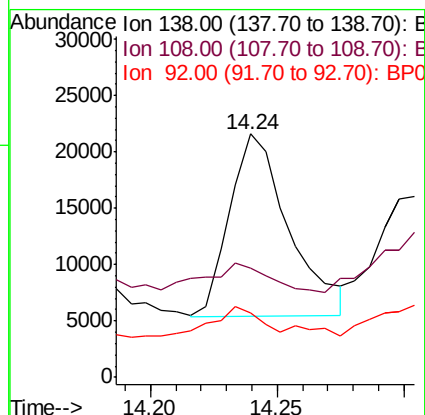
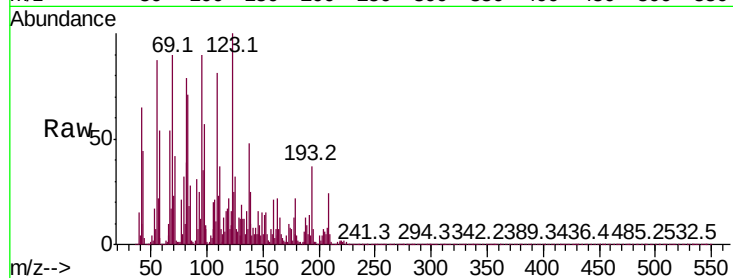




#53
3-Nitroaniline
Concen: 4.987 ng
RT: 14.24 min Scan# 1930
Delta R.T. 0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

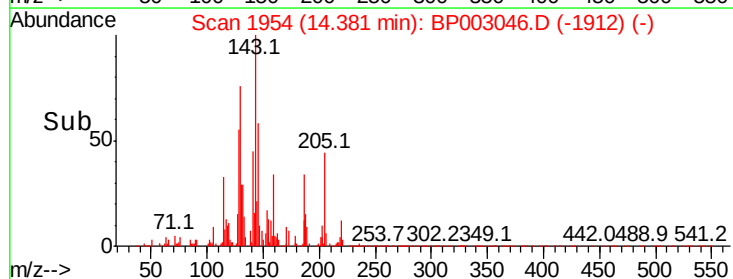
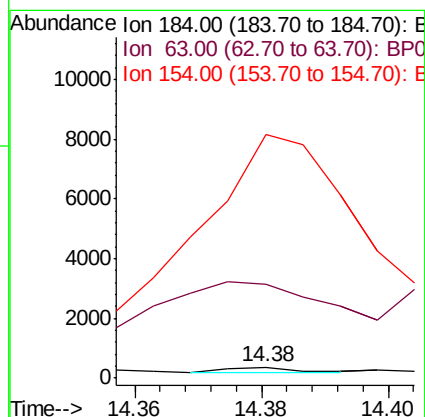
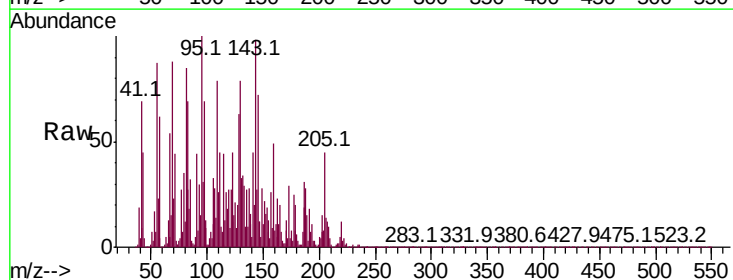
Instrument :
BNA_P
ClientSampleId :
CHRT-26982

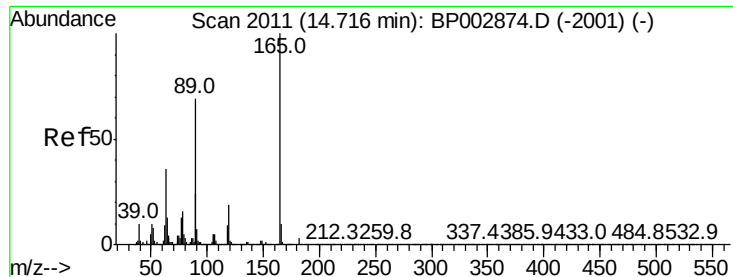
Tot Ion:138 Resp: 26407
Ion Ratio Lower Upper
138 100
108 44.9 7.7 11.5#
92 26.4 75.6 113.4#



#54
2,4-Dinitrophenol
Concen: 8.077 ng
RT: 14.38 min Scan# 1954
Delta R.T. -0.05 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion:184 Resp: 124
Ion Ratio Lower Upper
184 100
63 838.0 33.0 49.6#
154 2168.9 46.8 70.2#

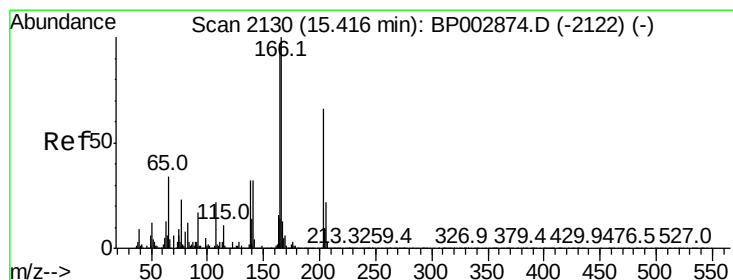
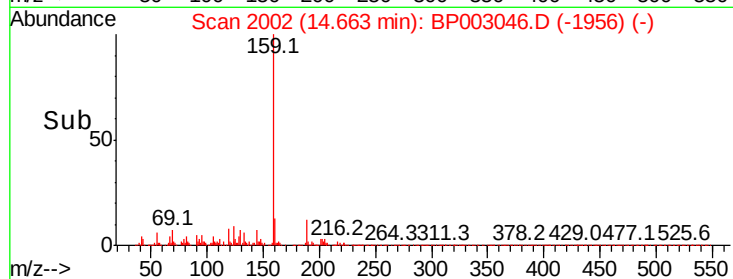
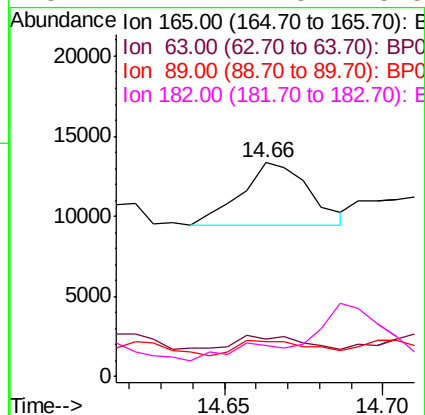
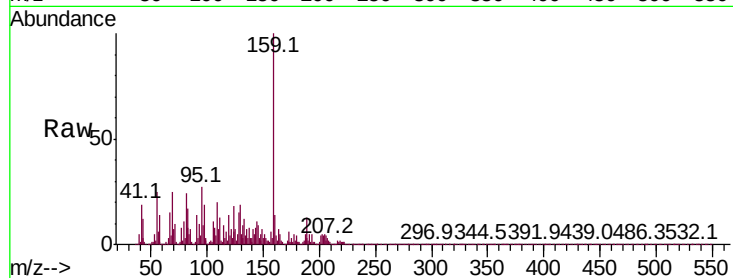




#57
2,4-Dinitrotoluene
Concen: 4.103 ng
RT: 14.66 min Scan# 2002
Delta R.T. -0.03 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

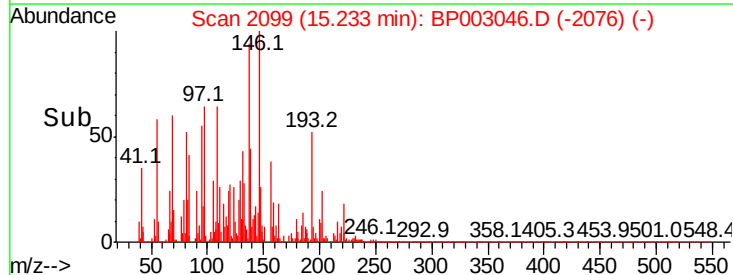
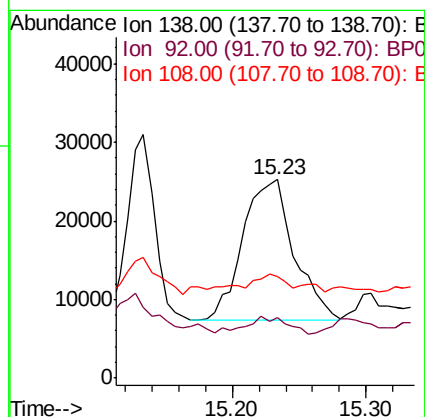
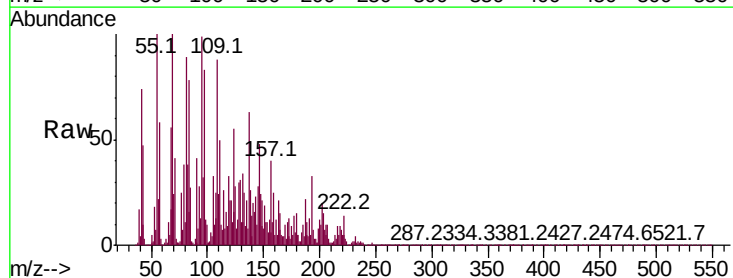
Instrument :
BNA_P
ClientSampleId :
CHRT-26982

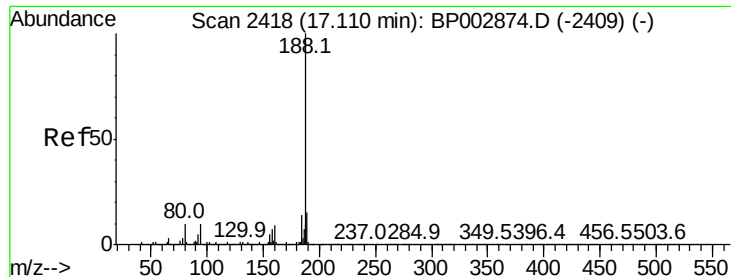
Tot Ion:165 Resp: 5811
Ion Ratio Lower Upper
165 100
63 17.7 20.6 31.0#
89 16.5 43.4 65.0#
182 14.4 2.3 3.5#



#62
4-Nitroaniline
Concen: 5.630 ng
RT: 15.23 min Scan# 2099
Delta R.T. -0.16 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion:138 Resp: 47645
Ion Ratio Lower Upper
138 100
92 30.4 21.4 61.4
108 50.9 40.8 80.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26982

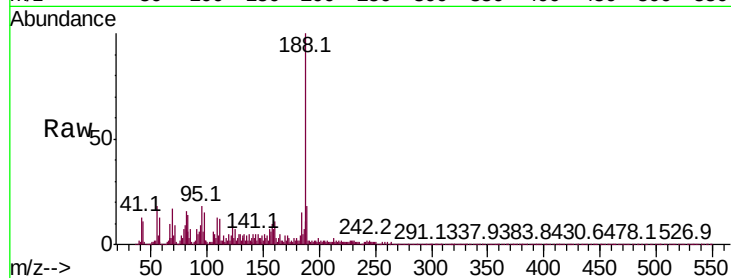
Tot Ion:188 Resp: 1192834

Ion Ratio Lower Upper

188 100

94 9.3 7.1 10.7

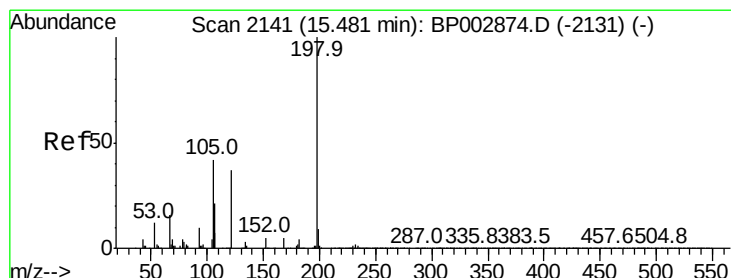
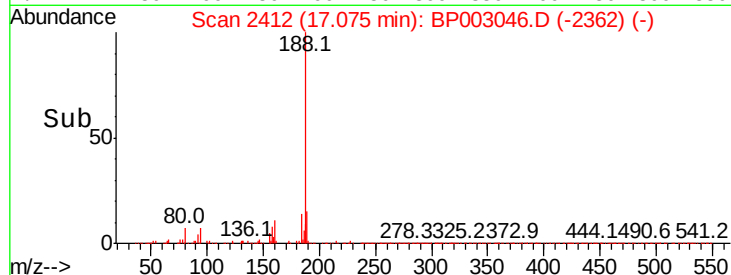
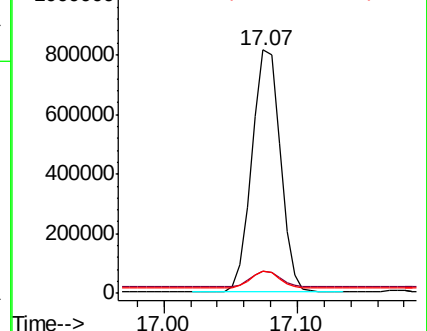
80 8.9 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#65

4,6-Dinitro-2-methylphenol

Concen: 7.762 ng

RT: 15.42 min Scan# 2131

Delta R.T. -0.04 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

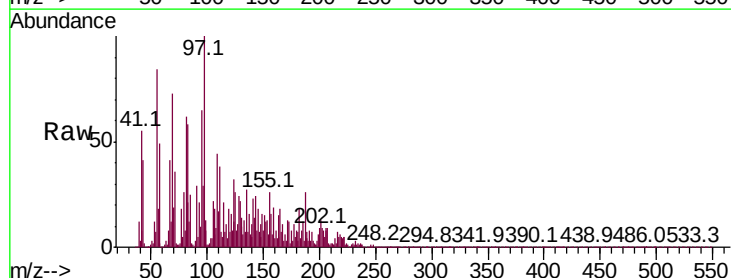
Tgt Ion:198 Resp: 6253

Ion Ratio Lower Upper

198 100

51 92.2 6.2 46.2#

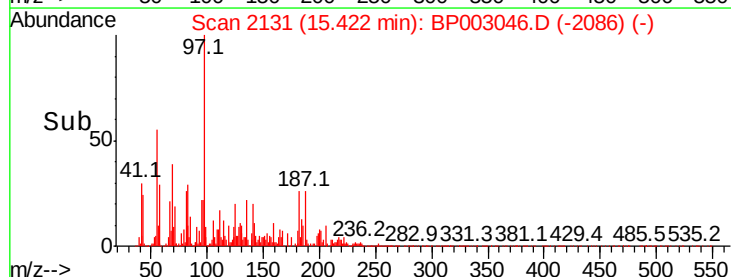
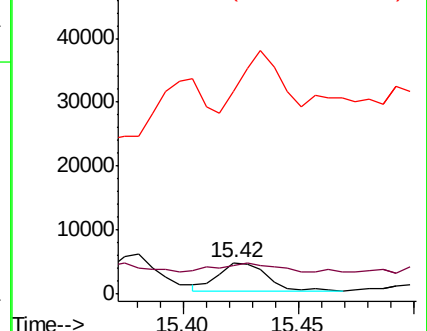
105 643.1 19.9 59.9#

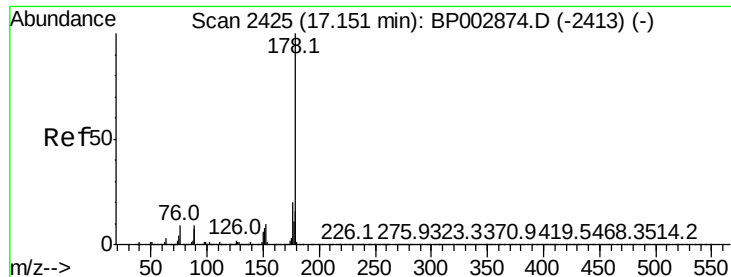


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

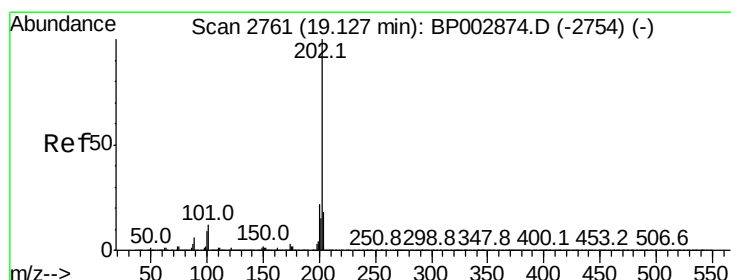
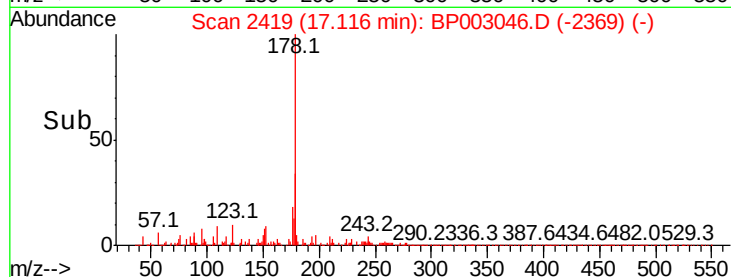
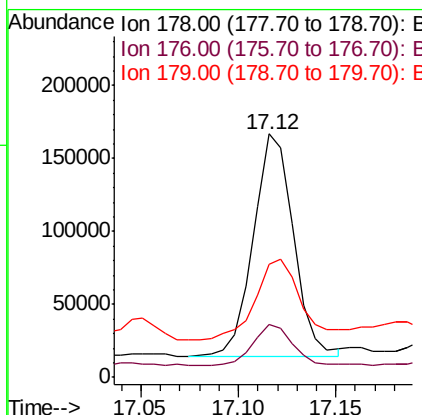
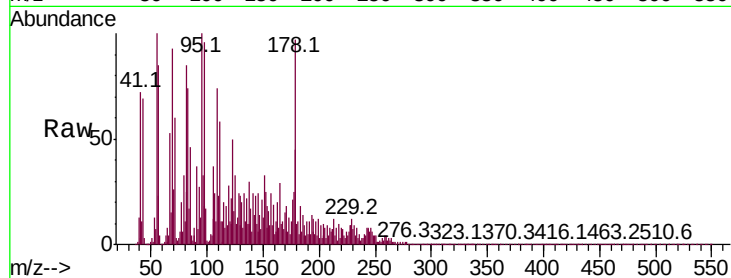




#71
Phenanthrene
Concen: 3.106 ng
RT: 17.12 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

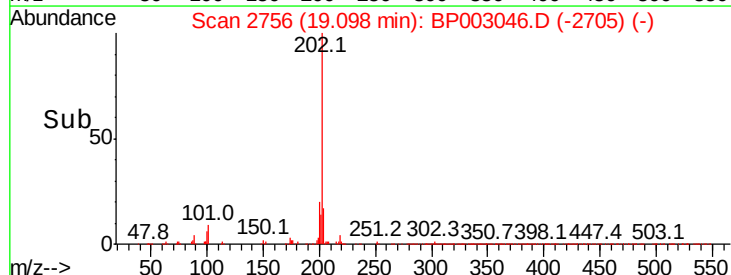
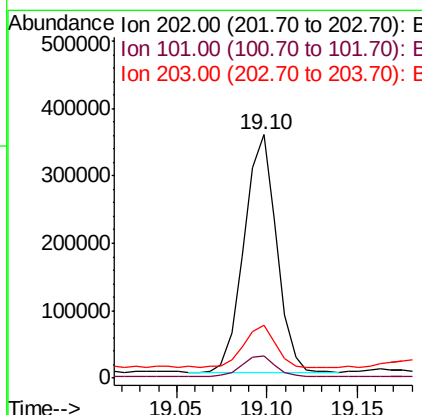
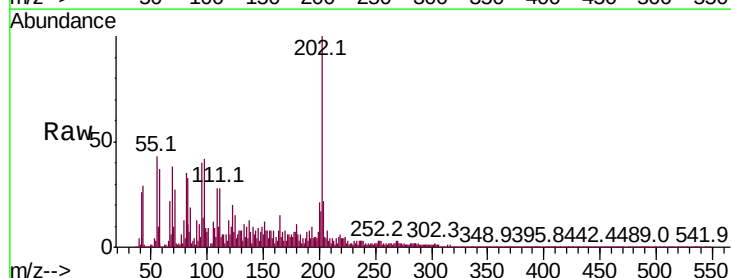
Instrument :
BNA_P
ClientSampleId :
CHRT-26982

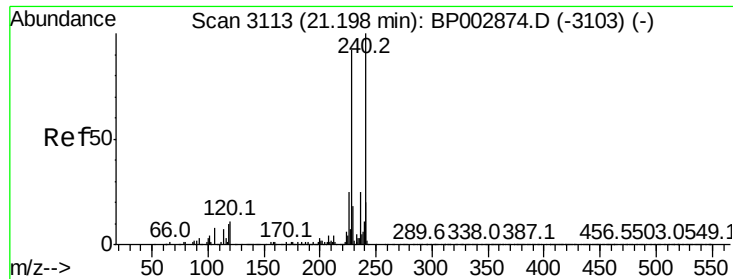
Tot Ion:178 Resp: 217230
Ion Ratio Lower Upper
178 100
176 21.8 15.8 23.8
179 46.6 12.9 19.3#



#75
Fluoranthene
Concen: 5.460 ng
RT: 19.10 min Scan# 2756
Delta R.T. -0.00 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion:202 Resp: 440006
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.2
203 21.6 0.0 38.4



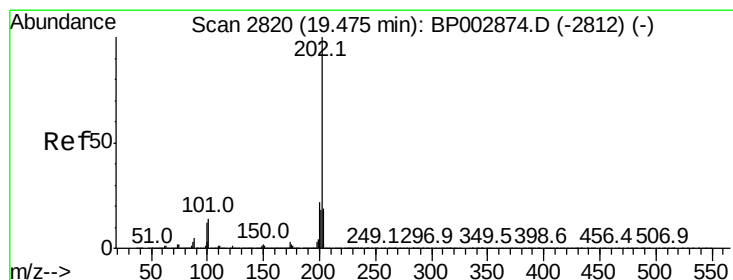
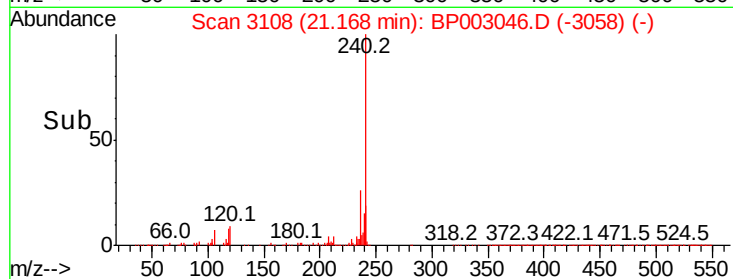
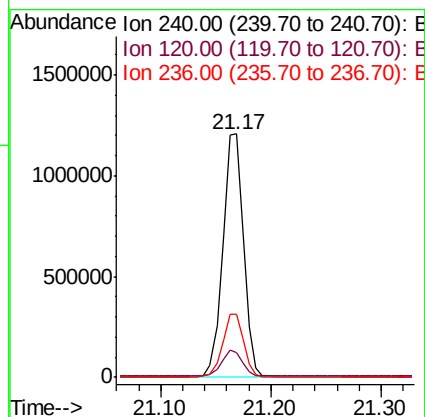
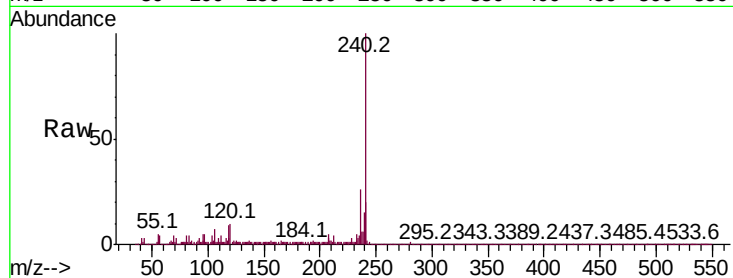


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.17 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BP003046.D
 Acq: 19 Aug 2020 22:54

Instrument :
 BNA_P
 ClientSampleId :
 CHRT-26982

Tot Ion:240 Resp: 1578603

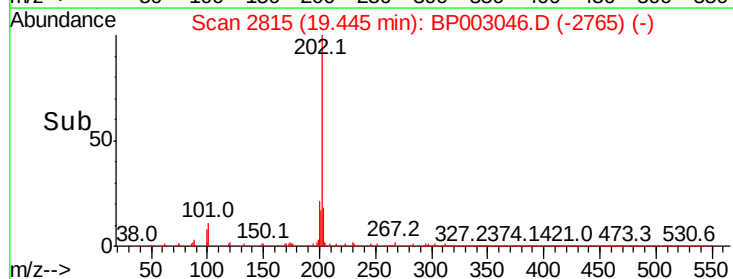
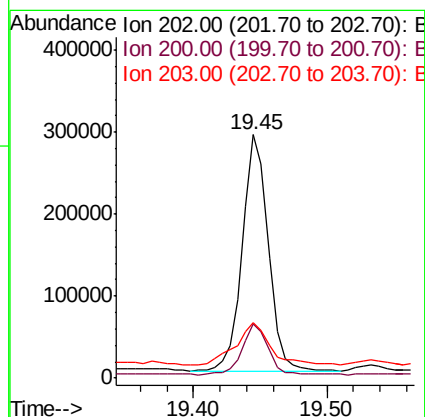
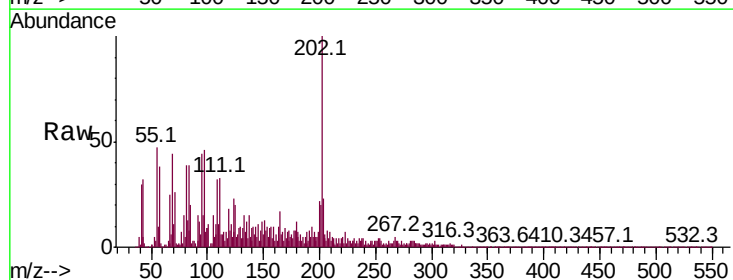
Ion	Ratio	Lower	Upper
240	100		
120	10.0	9.5	14.3
236	25.9	20.8	31.2

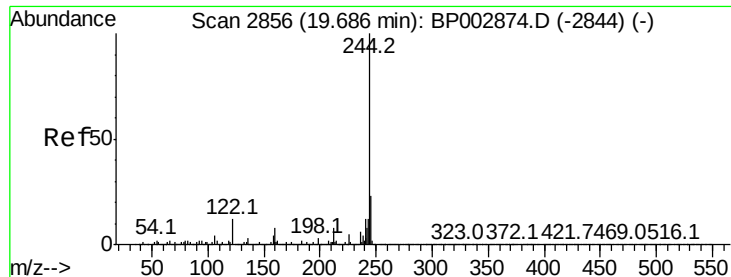


#78
 Pyrene
 Concen: 3.518 ng
 RT: 19.45 min Scan# 2815
 Delta R.T. -0.01 min
 Lab File: BP003046.D
 Acq: 19 Aug 2020 22:54

Tgt Ion:202 Resp: 388189

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.8	26.6
203	22.6	14.6	22.0#





#79

Terphenyl-d14

Concen: 7.615 ng

RT: 19.65 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26982

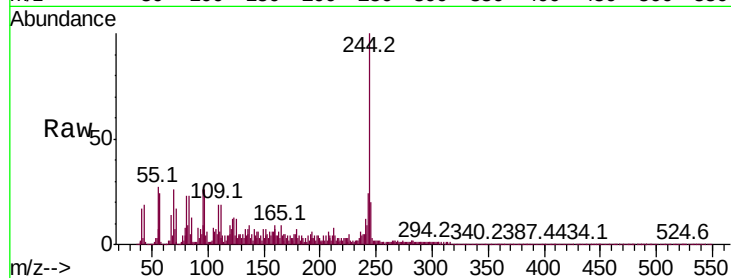
Tot Ion:244 Resp: 600496

Ion Ratio Lower Upper

244 100

212 8.2 6.3 9.5

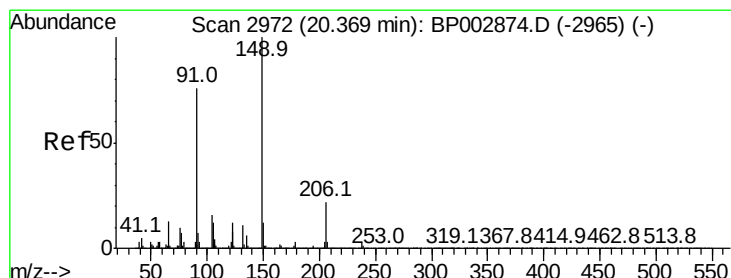
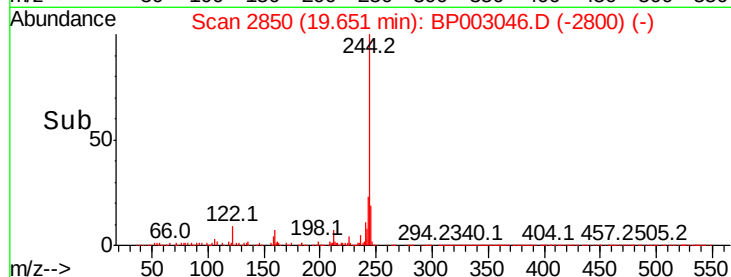
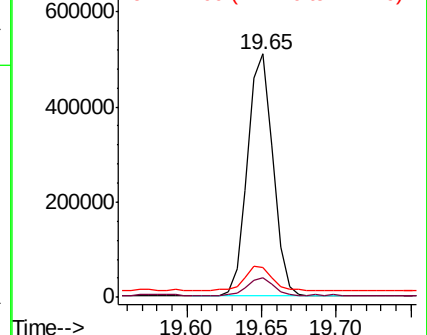
122 12.0 8.7 13.1



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



#80

Butylbenzylphthalate

Concen: 3.245 ng

RT: 20.33 min Scan# 2965

Delta R.T. -0.01 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

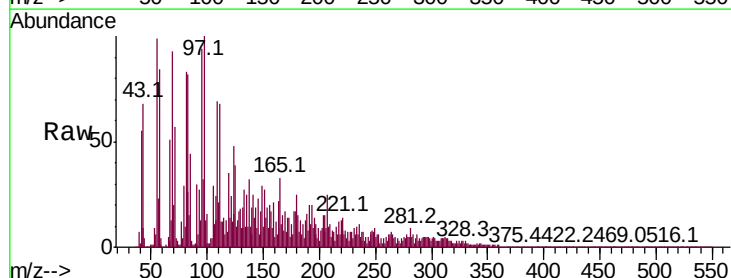
Tgt Ion:149 Resp: 8969

Ion Ratio Lower Upper

149 100

91 105.2 45.3 67.9#

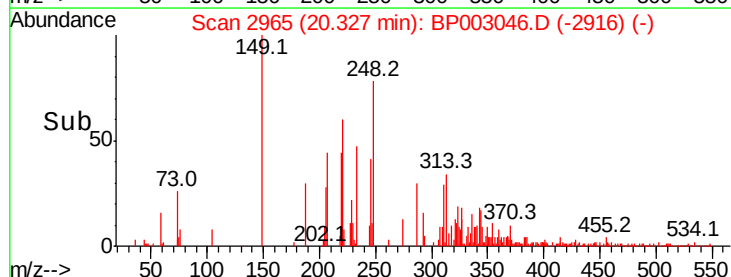
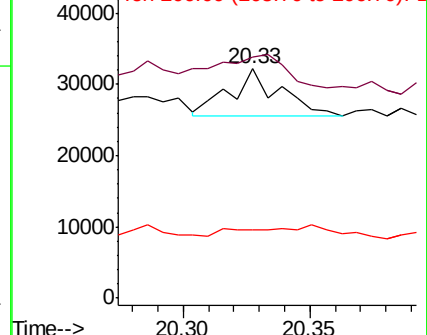
206 29.8 17.5 26.3#

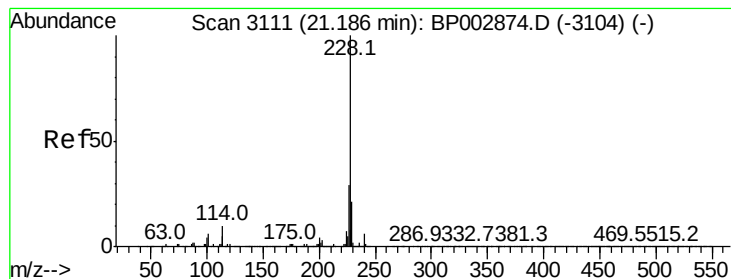


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 2.541 ng

RT: 21.15 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

Instrument :

BNA_P

ClientSampleId :

CHRT-26982

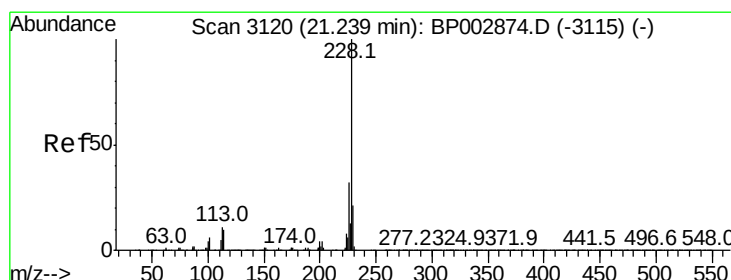
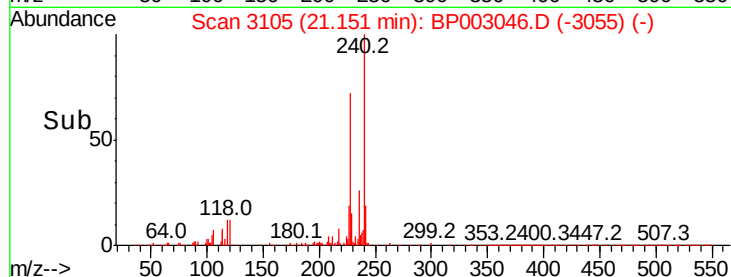
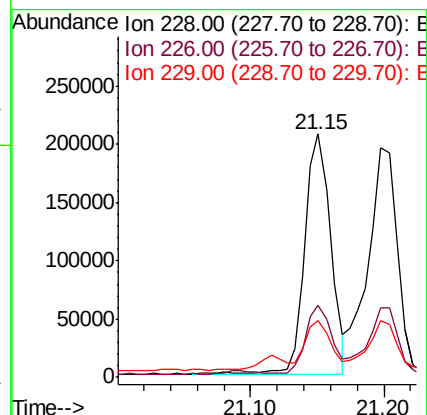
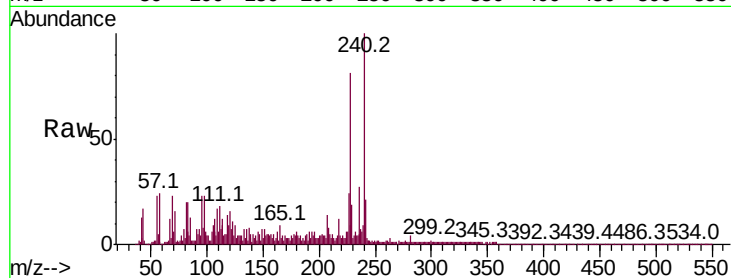
Tot Ion:228 Resp: 273223

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 23.0 16.5 24.7



#83

Chrysene

Concen: 2.694 ng

RT: 21.15 min Scan# 3105

Delta R.T. -0.06 min

Lab File: BP003046.D

Acq: 19 Aug 2020 22:54

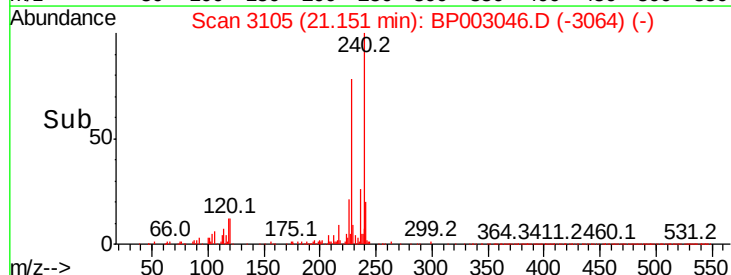
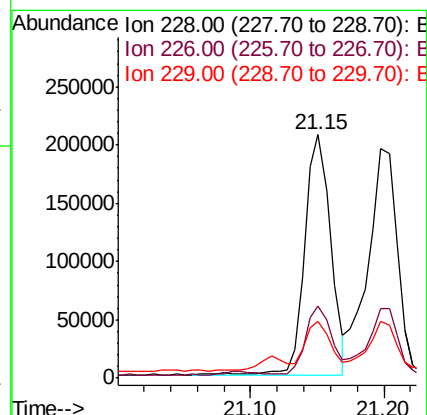
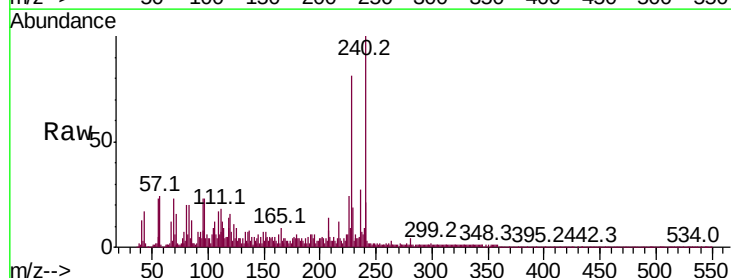
Tgt Ion:228 Resp: 273223

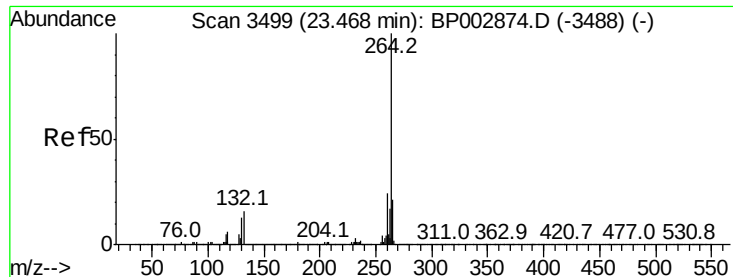
Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

229 23.0 16.3 24.5



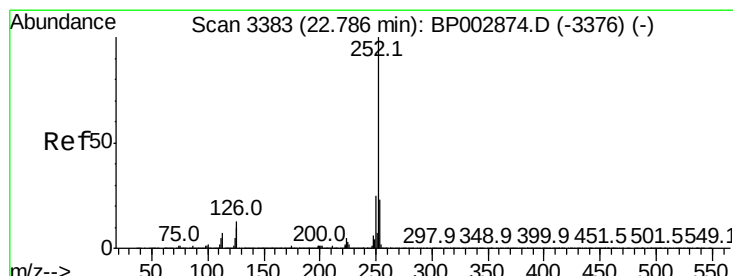
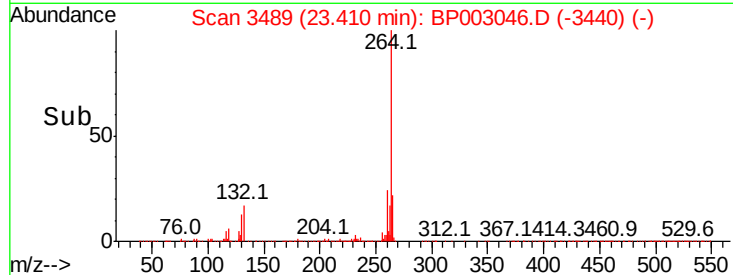
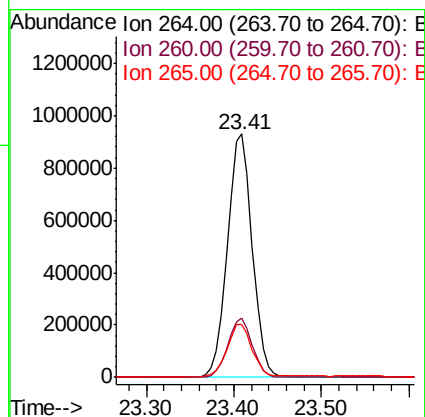
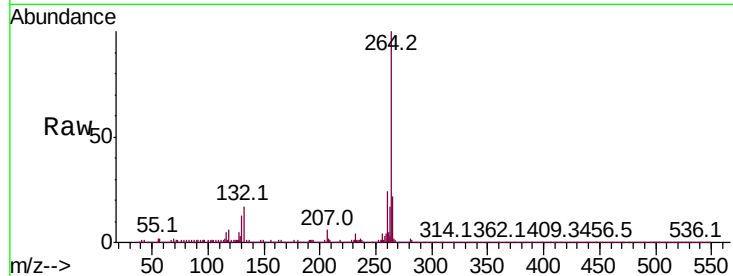


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.41 min Scan# 3489
Delta R.T. -0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Instrument :
BNA_P
ClientSampleId :
CHRT-26982

Tot Ion:264 Resp: 1792880

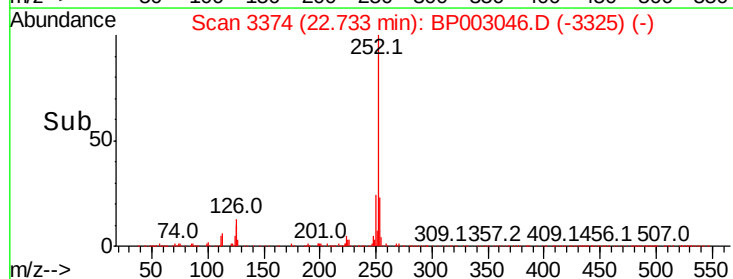
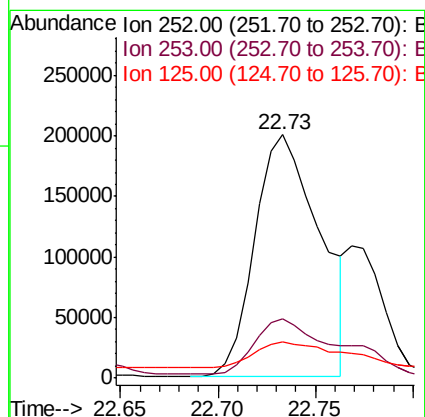
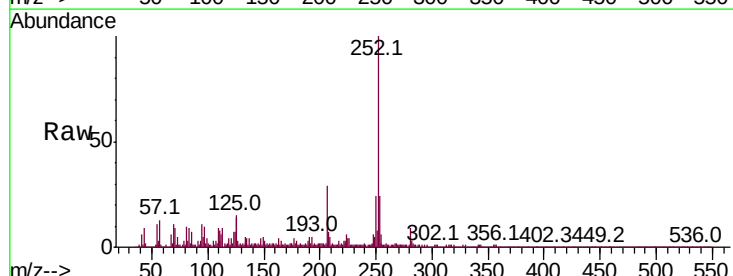
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.9	17.3	25.9

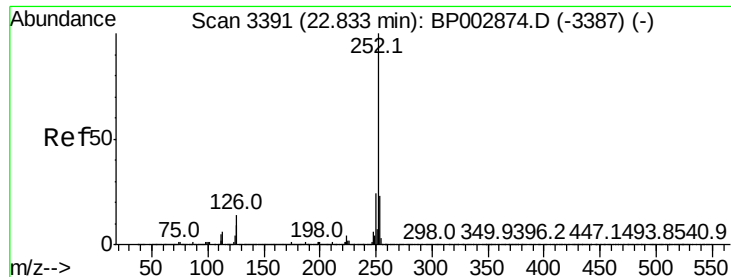


#88
Benzo(b)fluoranthene
Concen: 3.645 ng
RT: 22.73 min Scan# 3374
Delta R.T. -0.01 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion:252 Resp: 461153

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	14.6	9.4	14.2#

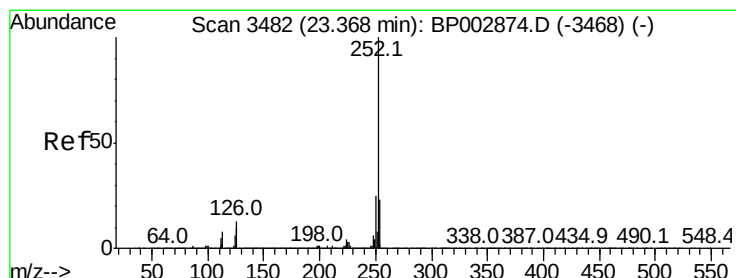
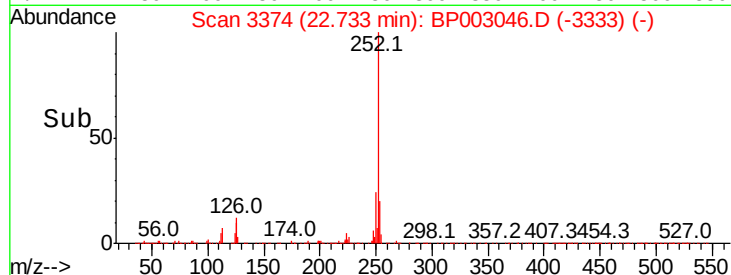
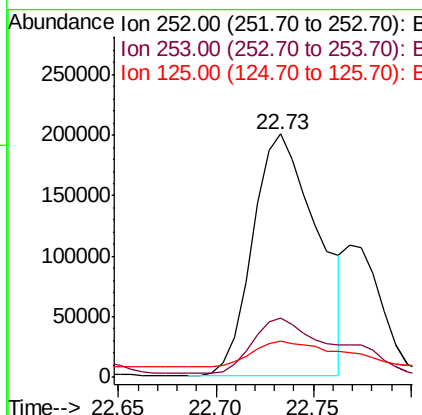
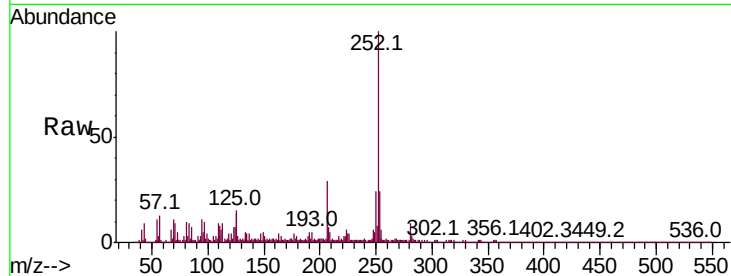




#89
Benzo(k)fluoranthene
Concen: 3.856 ng
RT: 22.73 min Scan# 3374
Delta R.T. -0.06 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Instrument :
BNA_P
ClientSampled :
CHRT-26982

Tot Ion:252 Resp: 461153
Ion Ratio Lower Upper
252 100
253 24.3 18.3 27.5
125 14.6 9.3 13.9#



#90
Benzo(a)pyrene
Concen: 2.535 ng
RT: 23.30 min Scan# 3471
Delta R.T. -0.02 min
Lab File: BP003046.D
Acq: 19 Aug 2020 22:54

Tgt Ion:252 Resp: 289809
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 14.9 9.9 14.9#

