

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP080620\
 Data File : BP002923.D
 Acq On : 06 Aug 2020 16:58
 Operator : CG/JU
 Sample : L3548-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CRT-017

Quant Time: Aug 06 17:28:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 15:30:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	431424	20.00	ng	0.00
21) Naphthalene-d8	10.49	136	1757284	20.00	ng	0.00
39) Acenaphthene-d10	14.35	164	1154620	20.00	ng	-0.01
64) Phenanthrene-d10	17.10	188	2638848	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	3051048	20.00	ng	0.00
86) Perylene-d12	23.45	264	2780168	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	3192108	113.24	ng	0.00
7) Phenol-d6	6.89	99	4208409	107.53	ng	0.00
23) Nitrobenzene-d5	8.86	82	2413425	74.39	ng	0.00
42) 2,4,6-Tribromophenol	15.84	330	2131572	148.54	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	6472726	76.59	ng	-0.01
79) Terphenyl-d14	19.67	244	10139302	66.53	ng	-0.01

Target Compounds

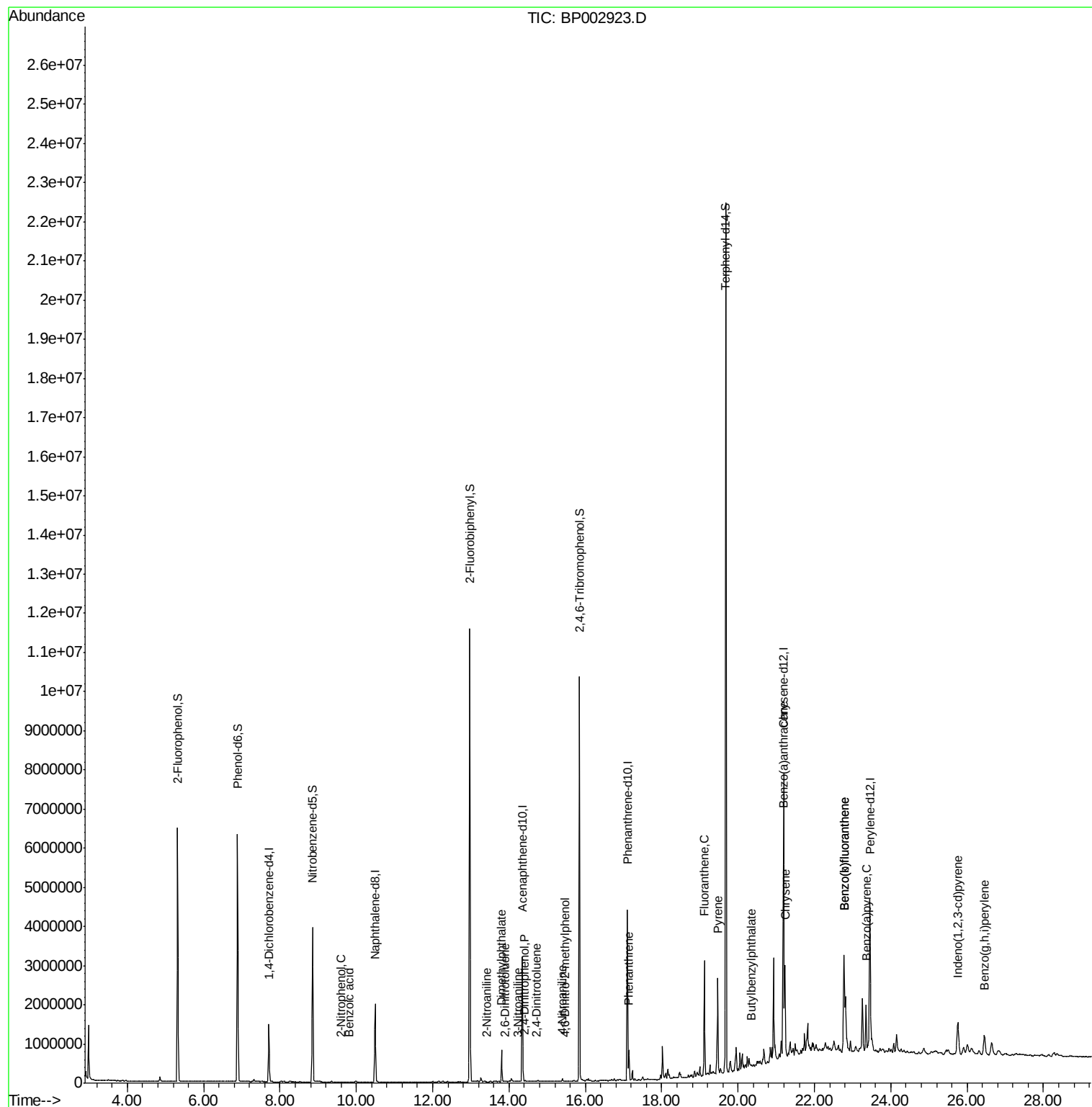
						Qvalue
26) 2-Nitrophenol	9.60	139	142	4.529	ng	# 1
32) Benzoic acid	9.82	122	119	7.692	ng	# 68
48) 2-Nitroaniline	13.40	65	206	3.982	ng	# 41
50) Dimethylphthalate	13.80	163	528987	5.858	ng	100
51) 2,6-Dinitrotoluene	13.91	165	375	2.917	ng	# 51
53) 3-Nitroaniline	14.23	138	228	3.283	ng	# 62
54) 2,4-Dinitrophenol	14.42	184	30	8.060	ng	# 1
57) 2,4-Dinitrotoluene	14.71	165	510	3.823	ng	# 69
62) 4-Nitroaniline	15.39	138	1082	2.465	ng	# 79
65) 4,6-Dinitro-2-methylphenol	15.46	198	34	6.902	ng	# 1
71) Phenanthrene	17.14	178	461423	2.982	ng	98
75) Fluoranthene	19.12	202	1721339	9.655	ng	98
78) Pvrene	19.47	202	1538937	7.215	ng	97
80) Butylbenzylphthalate	20.36	149	8636	3.151	ng	# 93
81) Benzo(a)anthracene	21.17	228	1331793	6.408	ng	99
83) Chrysene	21.23	228	1347004	6.871	ng	98
87) Indeno(1,2,3-cd)pyrene	25.75	276	703203	3.158	ng	96
88) Benzo(b)fluoranthene	22.77	252	2104868	10.729	ng	99
89) Benzo(k)fluoranthene	22.77	252	2104868	11.351	ng	100
90) Benzo(a)pyrene	23.35	252	935015	5.274	ng	99
92) Benzo(a,h,i)perylene	26.45	276	637952	3.481	ng	99

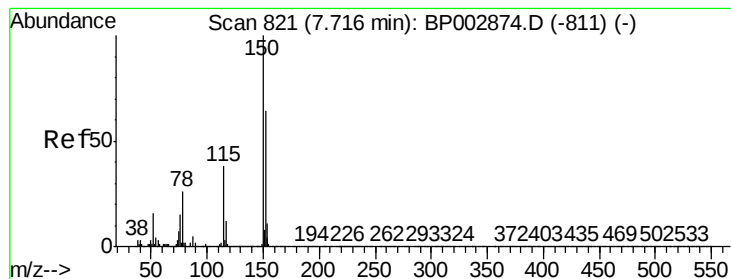
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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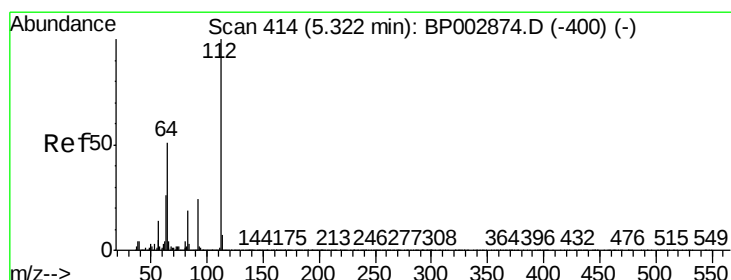
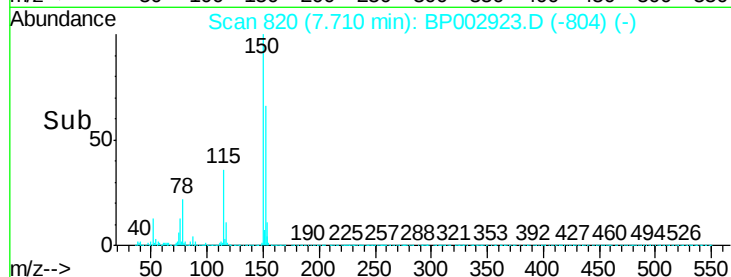
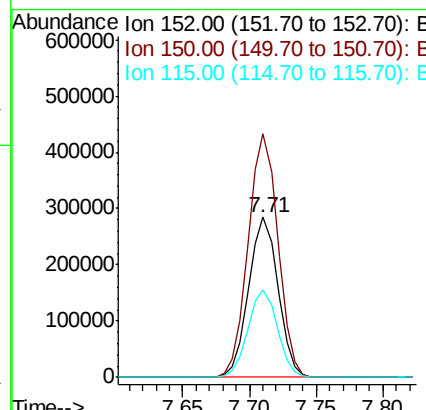
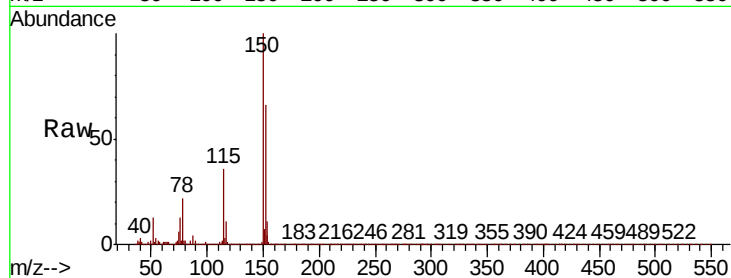


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Instrument :
BNA_P
ClientSampleId :
CRT-017

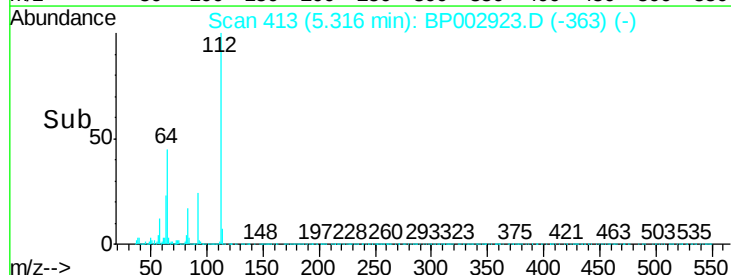
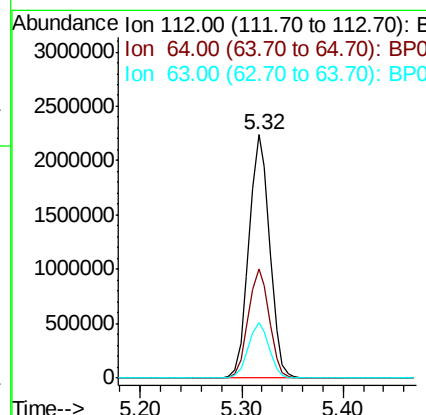
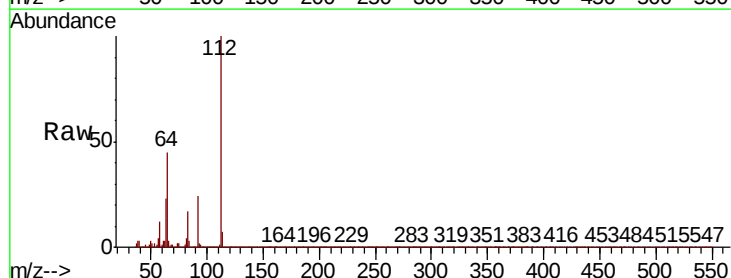
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.9	124.8	187.2
115	54.6	47.4	71.2

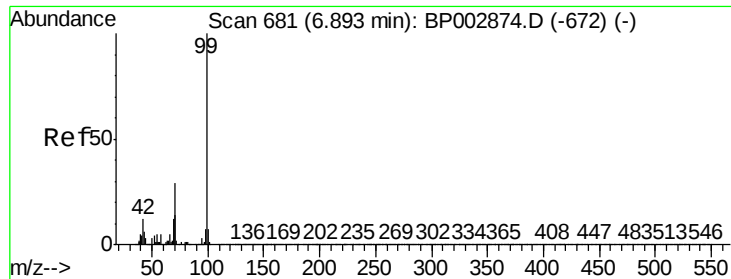


#5

2-Fluorophenol
Concen: 113.242 ng
RT: 5.32 min Scan# 413
Delta R.T. -0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	41.0	61.6
63	22.7	20.7	31.1





#7

Phenol-d6

Concen: 107.533 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Instrument :

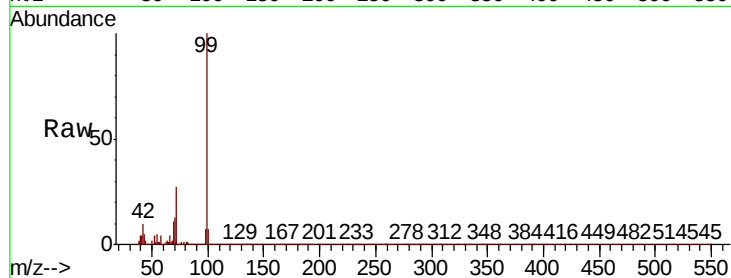
BNA_P

ClientSampleId :

CRT-017

Tot Ion: 99 Resp: 4208409

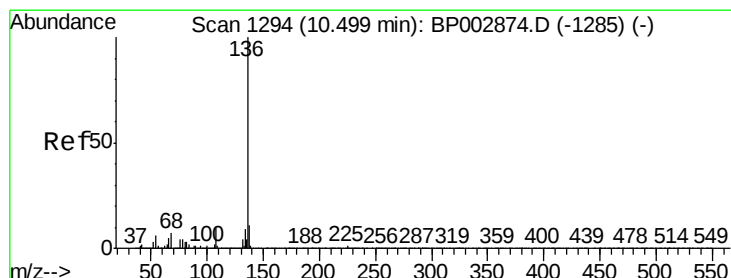
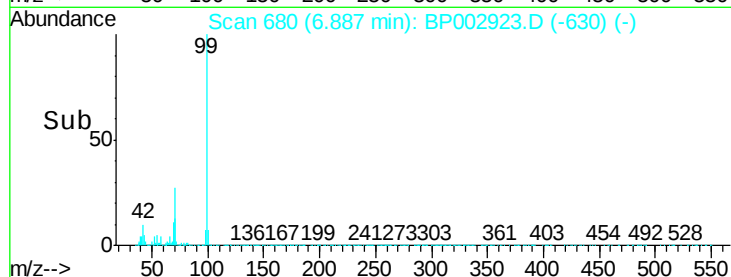
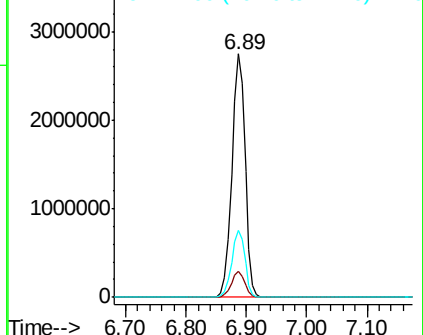
Ion	Ratio	Lower	Upper
99	100		
42	10.5	9.3	13.9
71	27.3	23.5	35.3



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: 10.49 min Scan# 1293

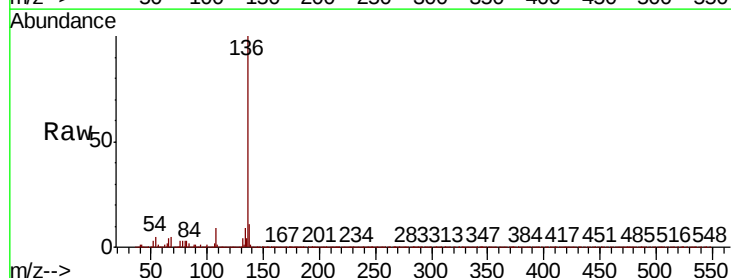
Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Tgt Ion: 136 Resp: 1757284

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.3	5.1	7.7
68	5.4	5.3	7.9

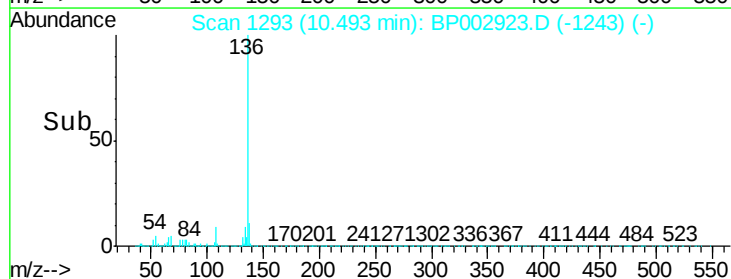
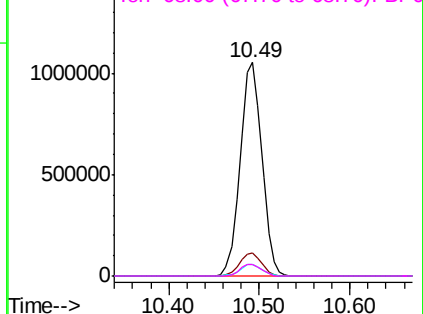


Abundance Ion 136.00 (135.70 to 136.70): E

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

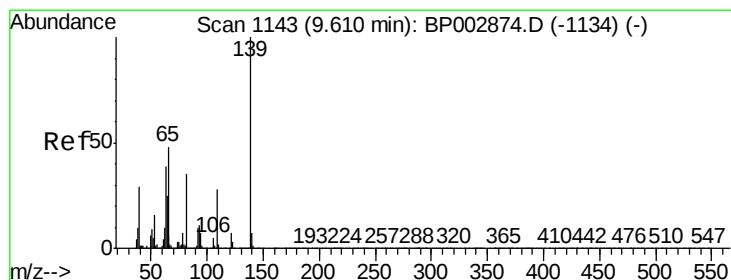
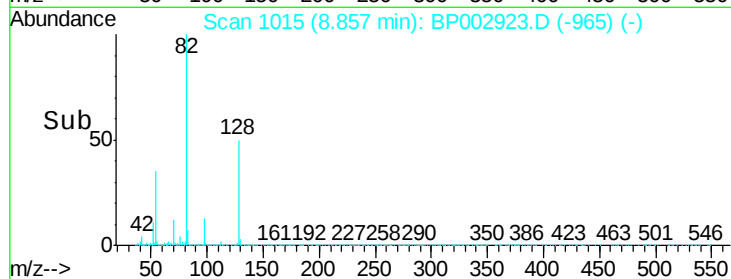
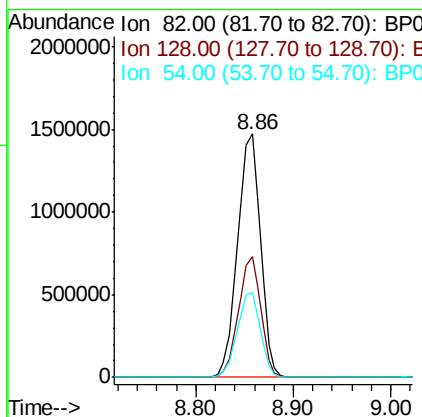
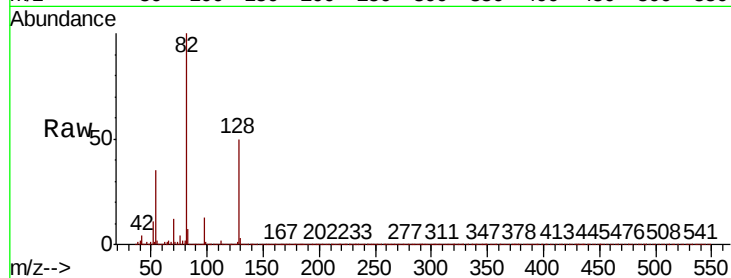




#23
 Nitrobenzene-d5
 Concen: 74.386 ng
 RT: 8.86 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: BP002923.D
 Acq: 06 Aug 2020 16:58

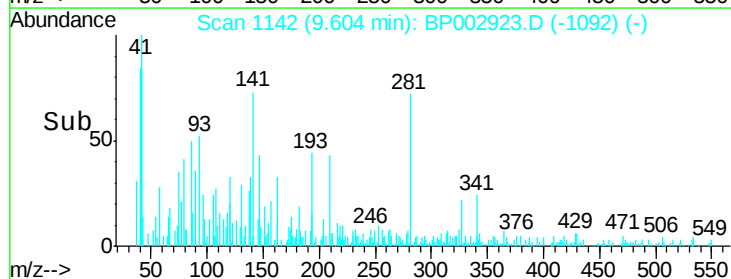
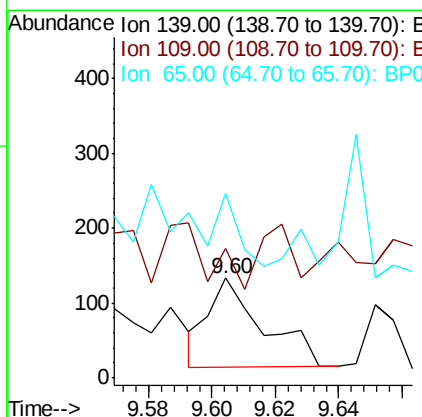
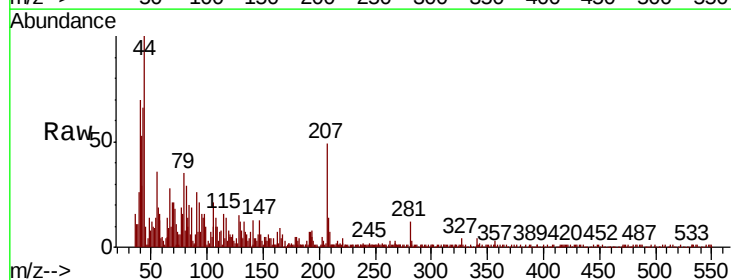
Instrument :
 BNA_P
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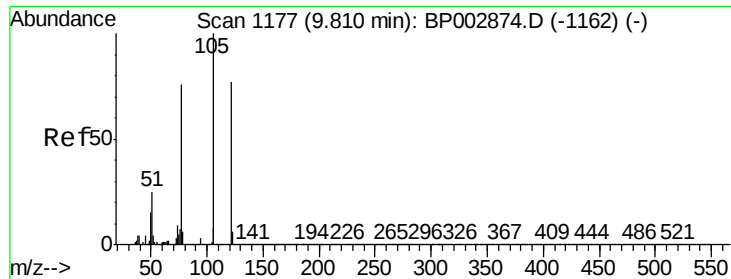
Tot Ion: 82 Resp: 2413425
 Ion Ratio Lower Upper
 82 100
 128 49.7 34.6 52.0
 54 35.0 29.5 44.3



#26
 2-Nitrophenol
 Concen: 4.529 ng
 RT: 9.60 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BP002923.D
 Acq: 06 Aug 2020 16:58

Tgt Ion:139 Resp: 142
 Ion Ratio Lower Upper
 139 100
 109 130.1 22.2 33.2#
 65 185.7 38.9 58.3#

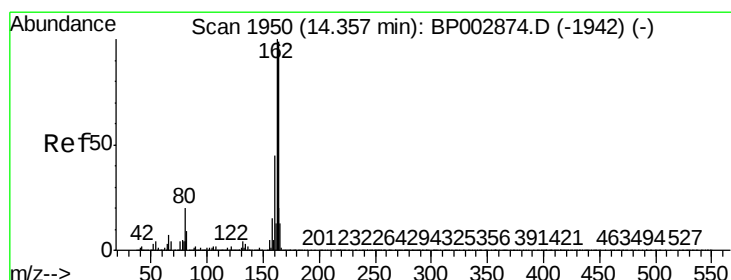
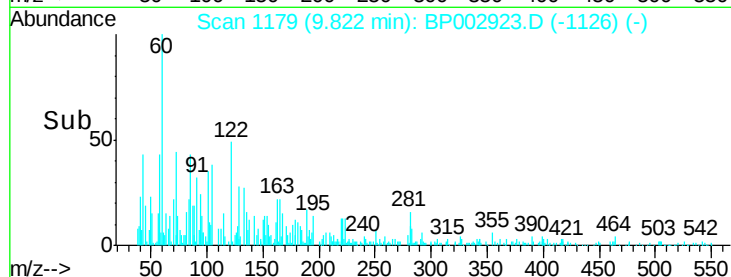
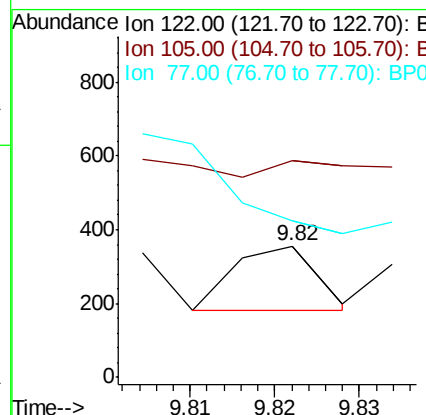
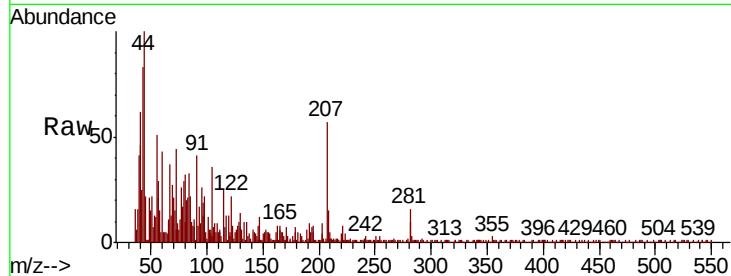




#32
Benzoic acid
Concen: 7.692 ng
RT: 9.82 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

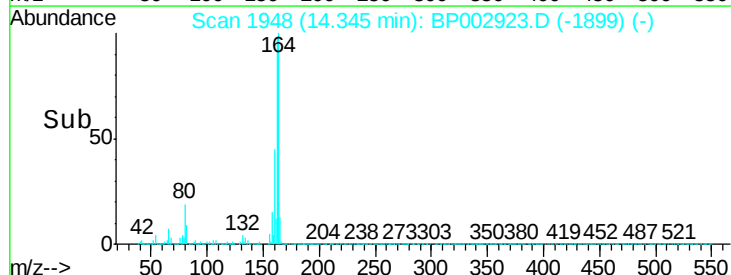
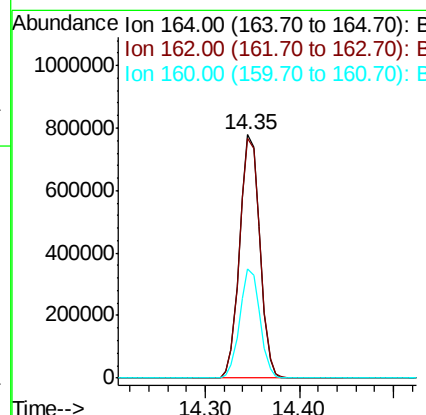
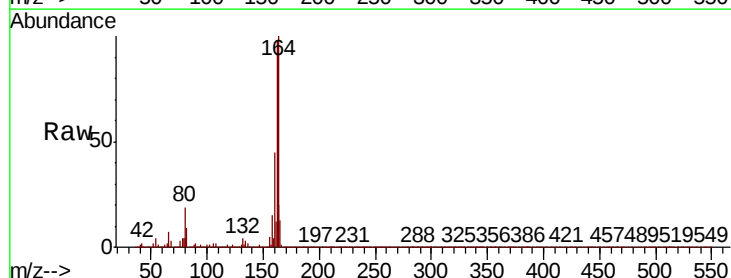
Instrument :
BNA_P
ClientSampled :
CRT-017

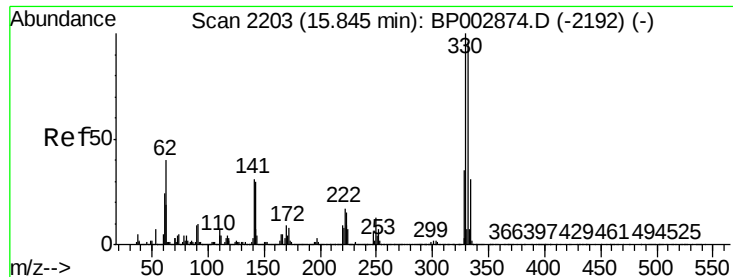
Tot Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 165.2 103.4 143.4#
77 119.7 74.6 114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.35 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Tgt Ion:164 Resp: 1154620
Ion Ratio Lower Upper
164 100
162 98.4 81.0 121.6
160 44.9 36.2 54.4

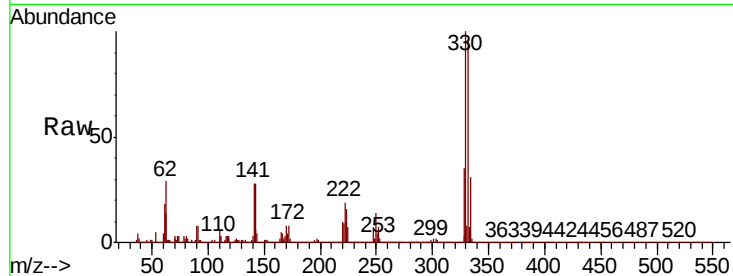




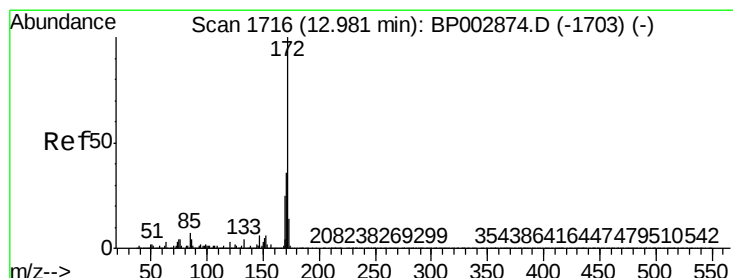
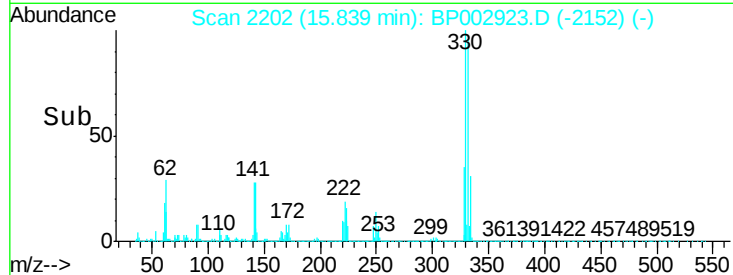
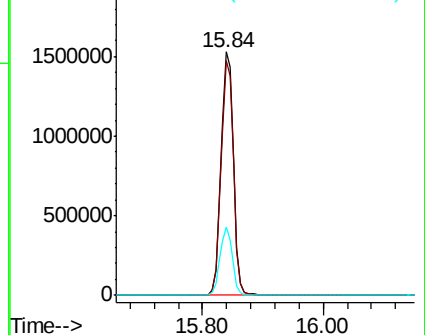
#42
2,4,6-Tribromophenol
Concen: 148.535 ng
RT: 15.84 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Instrument :
BNA_P
ClientSampleId :
CRT-017

Tot Ion:330 Resp: 2131572
Ion Ratio Lower Upper
330 100
332 96.1 77.1 115.7
141 27.7 24.6 37.0

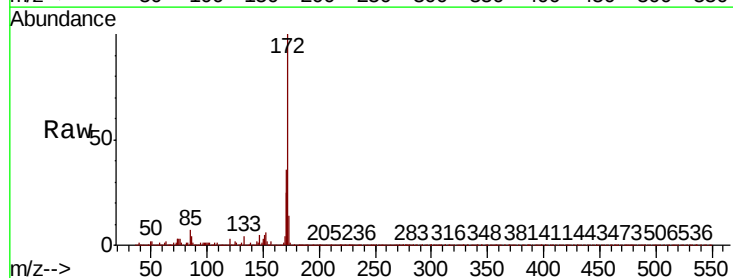


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

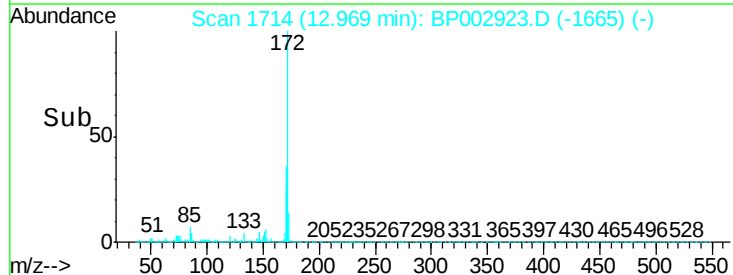
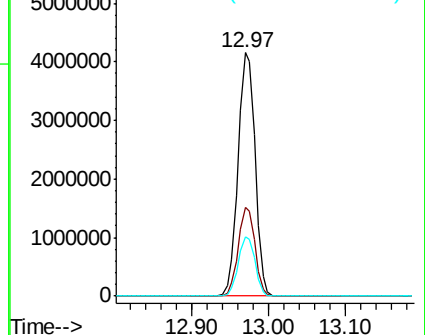


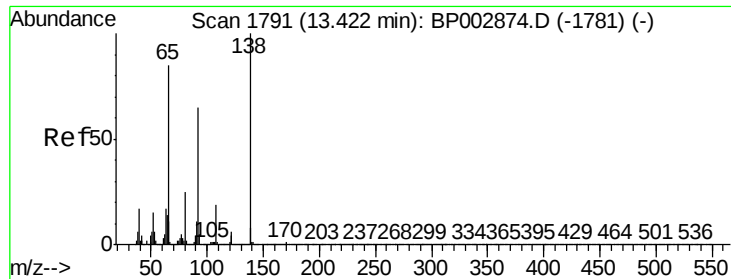
#45
2-Fluorobiphenyl
Concen: 76.594 ng
RT: 12.97 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Tgt Ion:172 Resp: 6472726
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.5 19.6 29.4



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

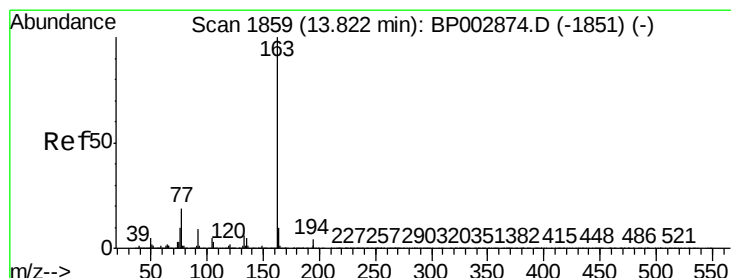
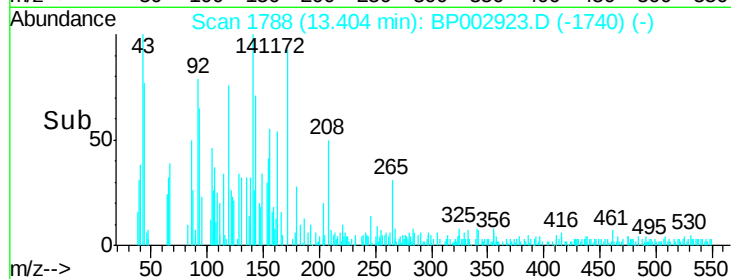
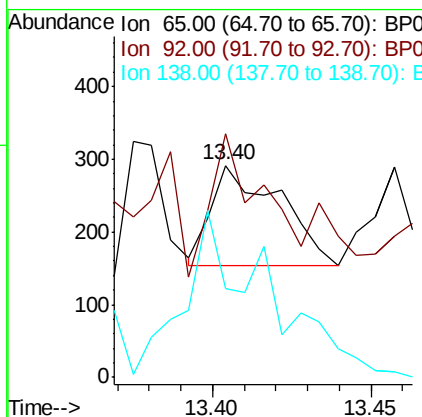
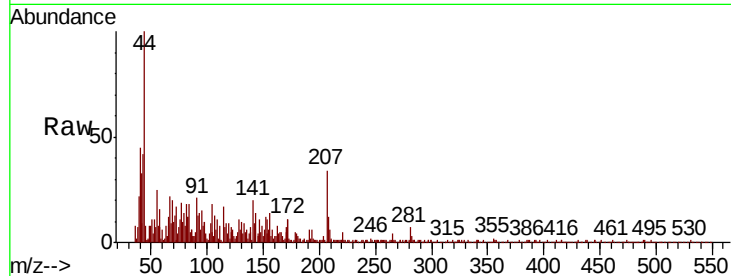




#48
2-Nitroaniline
Concen: 3.982 ng
RT: 13.40 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

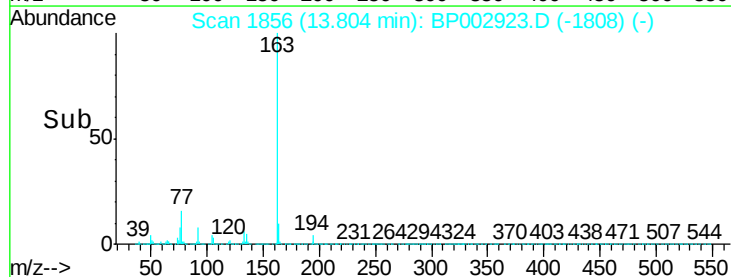
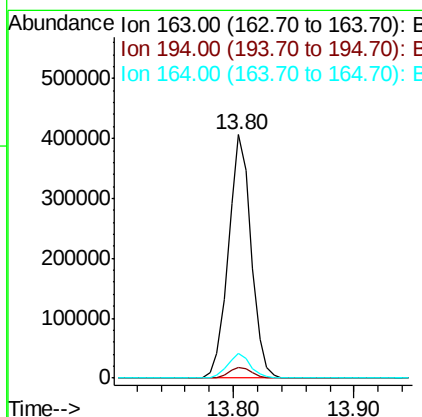
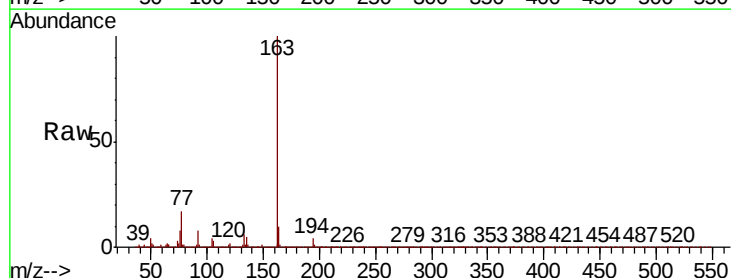
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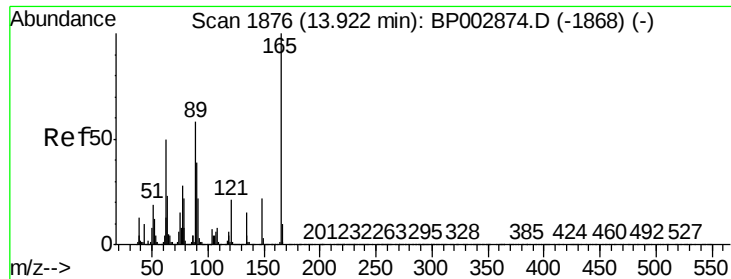
Tot Ion: 65 Resp: 206
Ion Ratio Lower Upper
65 100
92 114.7 61.4 92.0#
138 41.8 94.2 141.4#



#50
Dimethylphthalate
Concen: 5.858 ng
RT: 13.80 min Scan# 1856
Delta R.T. -0.02 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Tgt Ion: 163 Resp: 528987
Ion Ratio Lower Upper
163 100
194 4.3 3.5 5.3
164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 2.917 ng

RT: 13.91 min Scan# 1874

Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

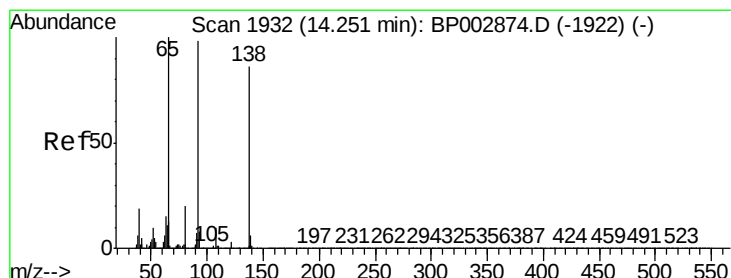
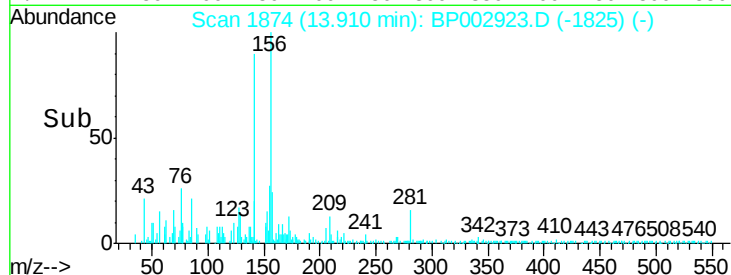
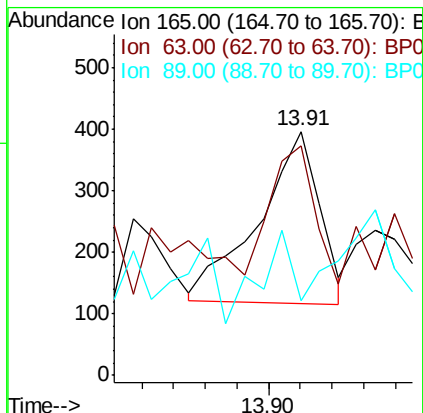
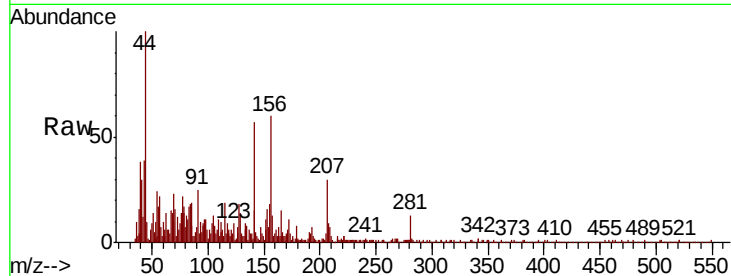
Instrument :

BNA_P

ClientSampleId :

CRT-017

Tot Ion:	165	Resp:	375
Ion	Ratio	Lower	Upper
165	100		
63	94.4	40.3	60.5#
89	30.8	46.5	69.7#



#53

3-Nitroaniline

Concen: 3.283 ng

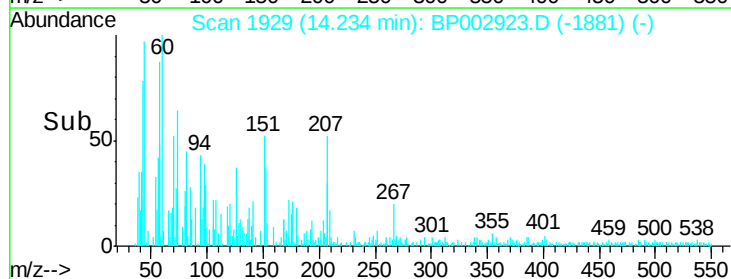
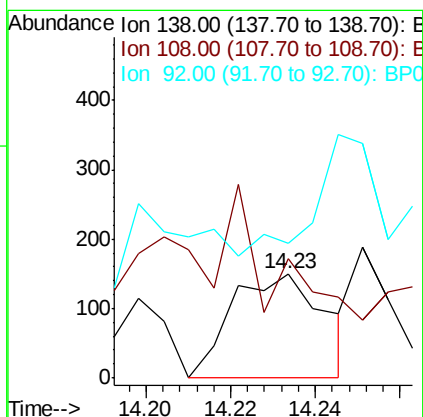
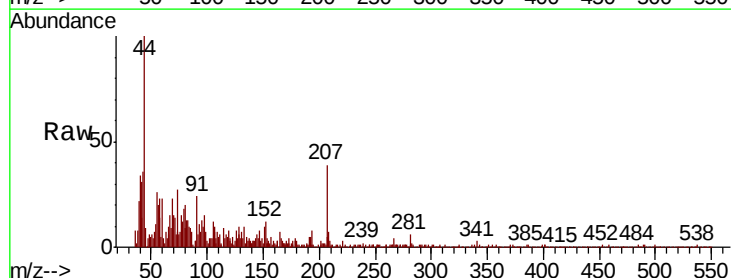
RT: 14.23 min Scan# 1929

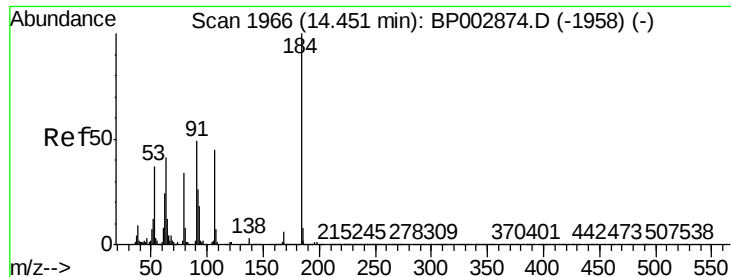
Delta R.T. -0.02 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Tgt Ion:	138	Resp:	228
Ion	Ratio	Lower	Upper
138	100		
108	114.7	9.4	14.0#
92	129.3	91.0	136.6

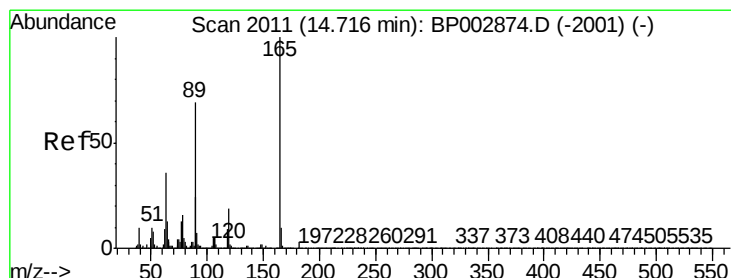
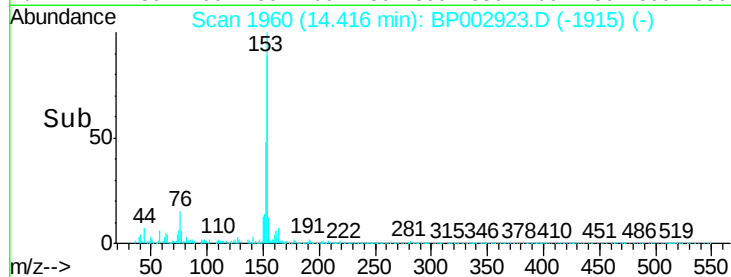
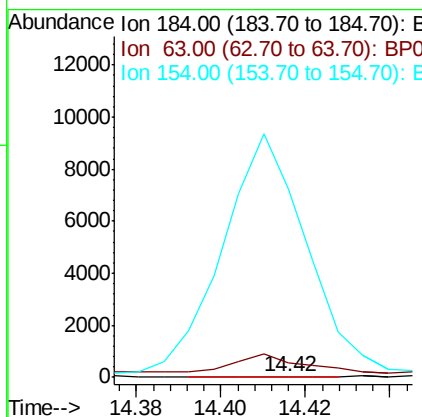
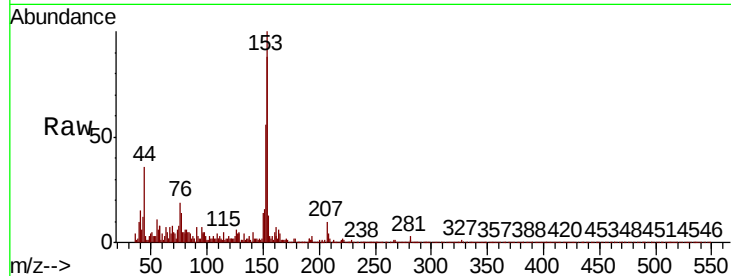




#54
2,4-Dinitrophenol
Concen: 8.060 ng
RT: 14.42 min Scan# 1960
Delta R.T. -0.04 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

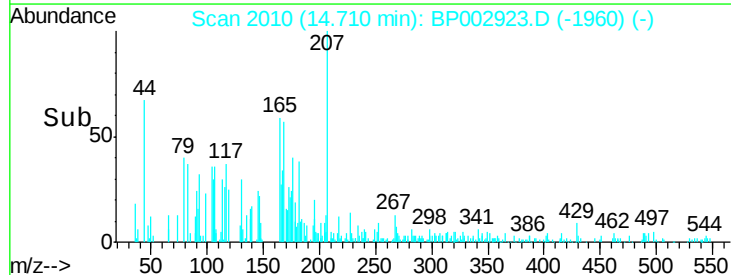
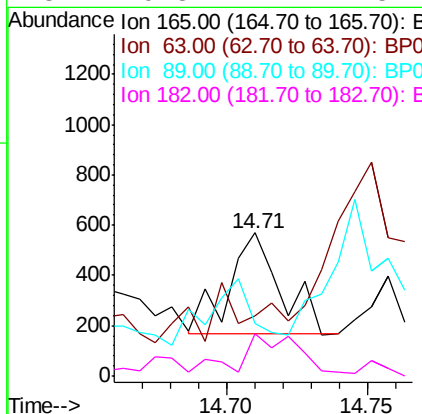
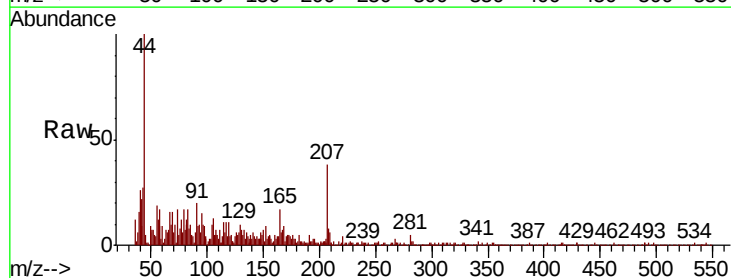
Instrument :
BNA_P
ClientSampleId :
CRT-017

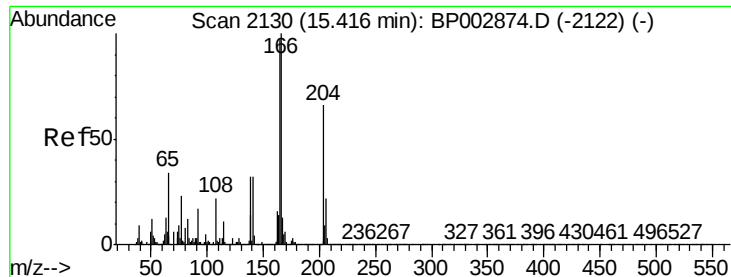
Tot Ion:184 Resp: 30
Ion Ratio Lower Upper
184 100
63 1445.0 50.3 75.5#
154 18140.0 50.6 76.0#



#57
2,4-Dinitrotoluene
Concen: 3.823 ng
RT: 14.71 min Scan# 2010
Delta R.T. -0.00 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Tgt Ion:165 Resp: 510
Ion Ratio Lower Upper
165 100
63 42.3 29.0 43.4
89 36.4 55.5 83.3#
182 29.8 2.2 3.4#





#62

4-Nitroaniline

Concen: 2.465 ng

RT: 15.39 min Scan# 2126

Delta R.T. -0.02 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Instrument :

BNA_P

ClientSampled :

CRT-017

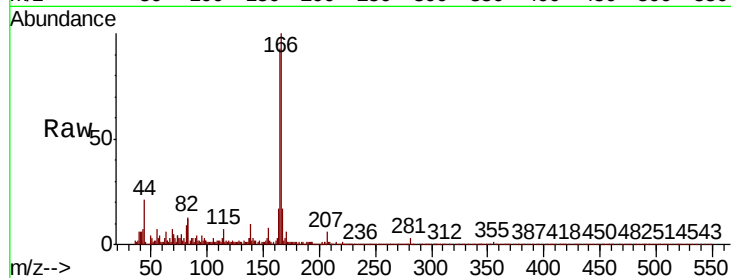
Tot Ion:138 Resp: 1082

Ion Ratio Lower Upper

138 100

92 60.0 32.2 72.2

108 47.0 50.0 90.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BP0

Ion 108.00 (107.70 to 108.70): E

15.39

400

300

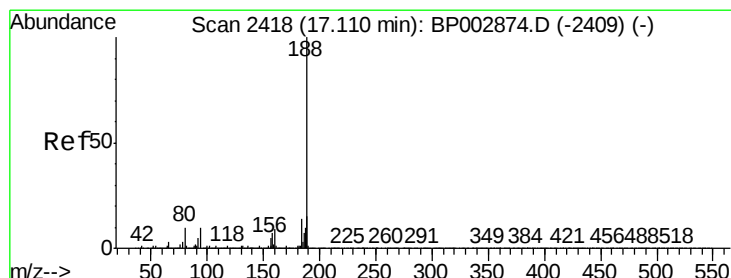
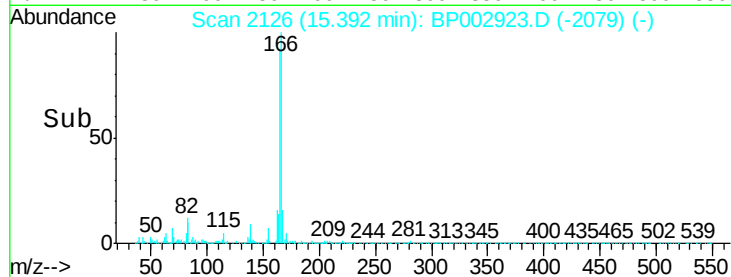
200

100

0

15.35 15.40 15.45

Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2416

Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

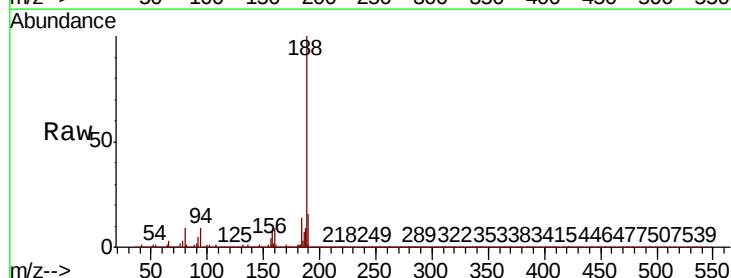
Tgt Ion:188 Resp: 2638848

Ion Ratio Lower Upper

188 100

94 8.5 7.8 11.6

80 8.8 8.0 12.0



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

17.10

2500000

2000000

1500000

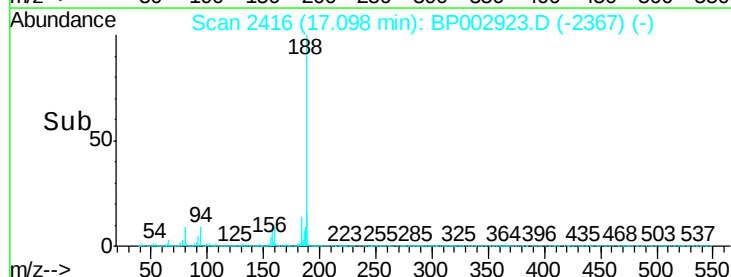
1000000

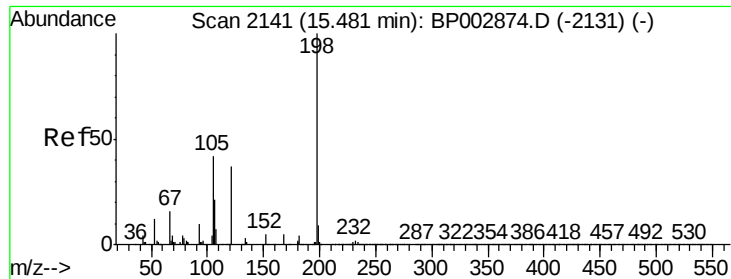
500000

0

17.00 17.10 17.20

Time-->

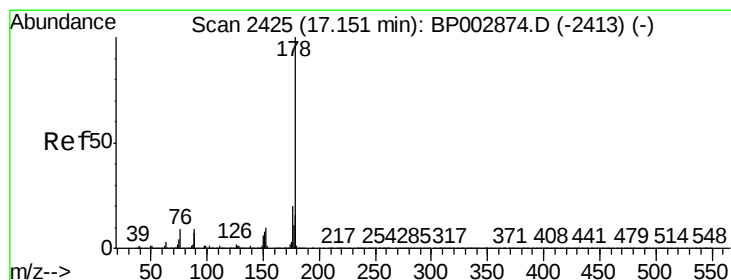
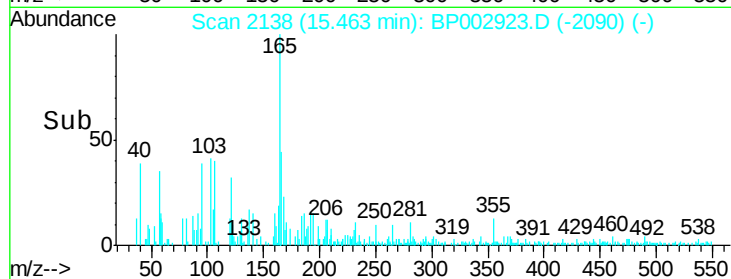
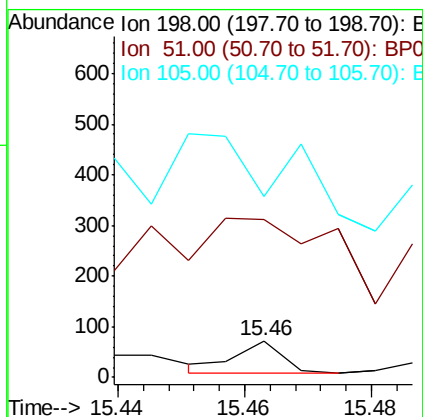
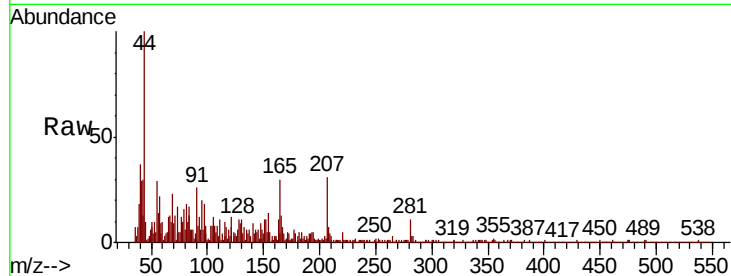




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.902 ng
 RT: 15.46 min Scan# 2138
 Delta R.T. -0.02 min
 Lab File: BP002923.D
 Acq: 06 Aug 2020 16:58

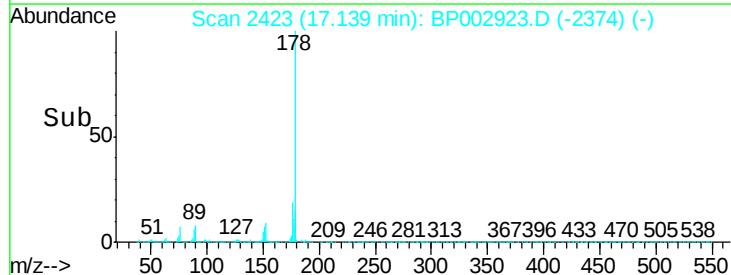
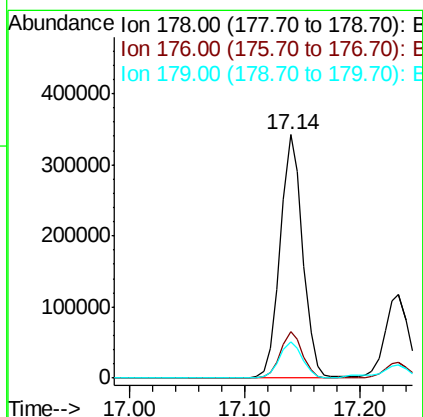
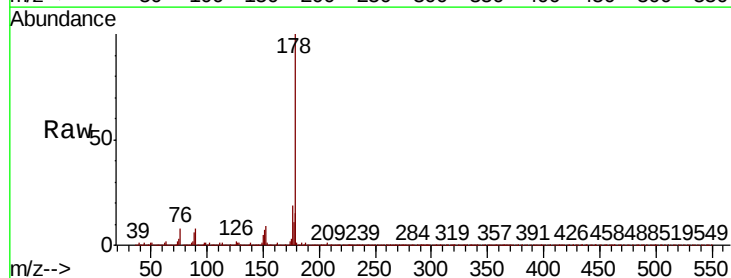
Instrument :
 BNA_P
 ClientSampled :
 CRT-017

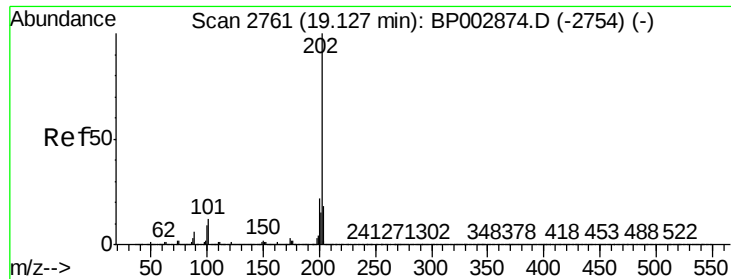
Tot Ion	Ratio	Lower	Upper
198	100		
51	426.0	11.6	51.6#
105	490.4	23.8	63.8#



#71
 Phenanthrene
 Concen: 2.982 ng
 RT: 17.14 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BP002923.D
 Acq: 06 Aug 2020 16:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.1	24.1
179	14.8	13.0	19.4





#75

Fluoranthene

Concen: 9.655 ng

RT: 19.12 min Scan# 2759

Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Instrument :

BNA_P

ClientSampleId :

CRT-017

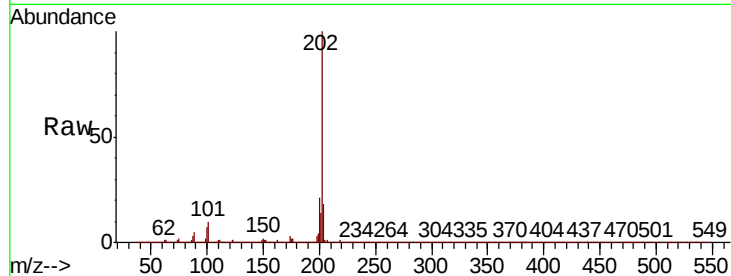
Tot Ion:202 Resp: 1721339

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.6

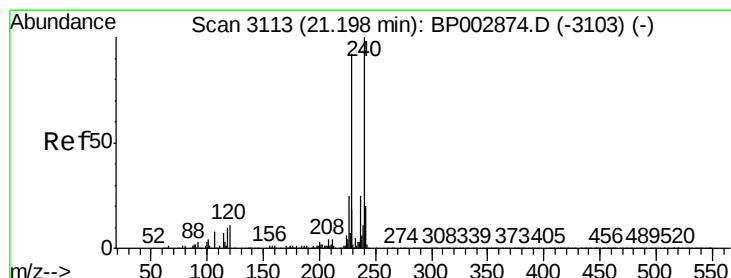
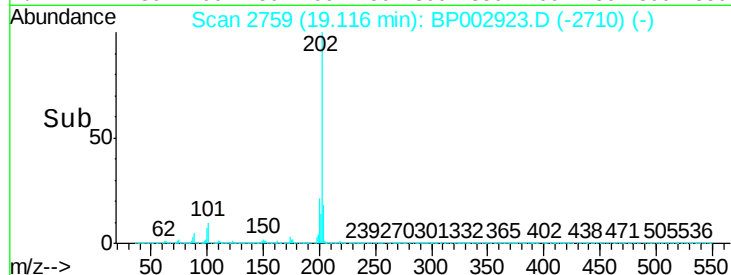
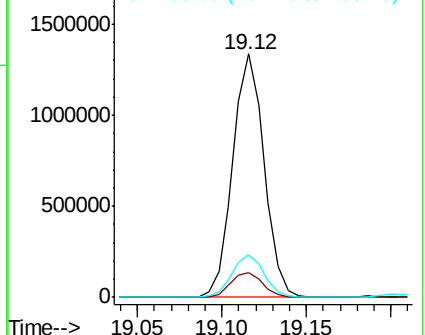
203 17.8 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.19 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

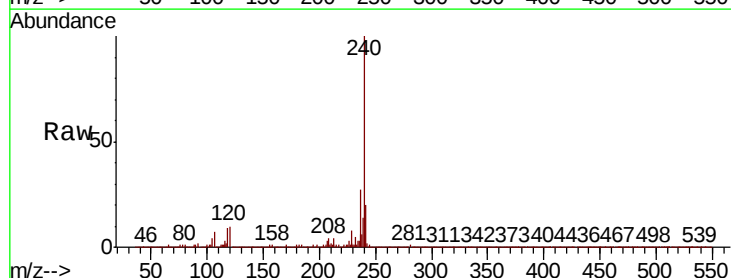
Tgt Ion:240 Resp: 3051048

Ion Ratio Lower Upper

240 100

120 10.2 8.9 13.3

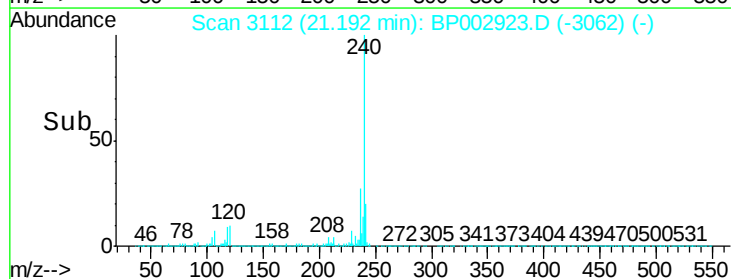
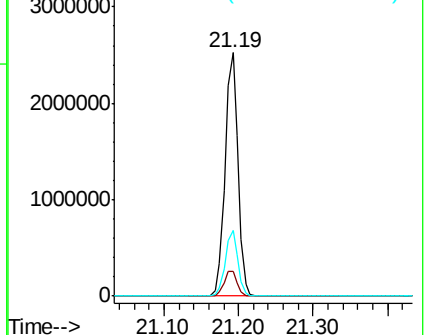
236 26.9 20.3 30.5

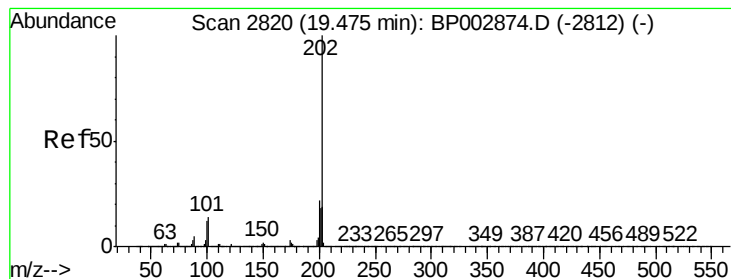


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.215 ng

RT: 19.47 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Instrument :

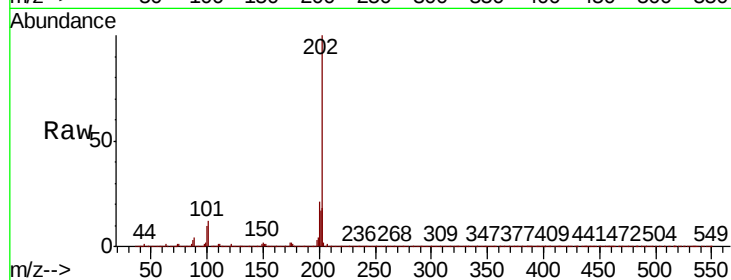
BNA_P

ClientSampleId :

CRT-017

Tot Ion:202 Resp: 1538937

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.9	26.9
203	17.8	15.1	22.7

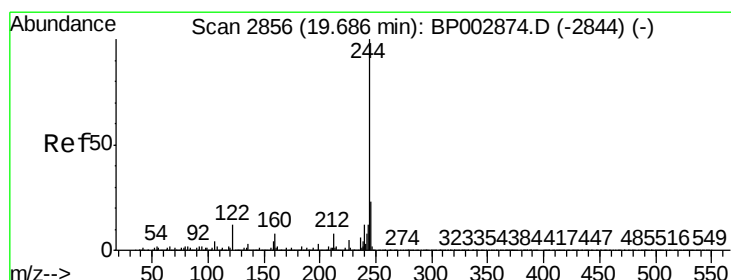
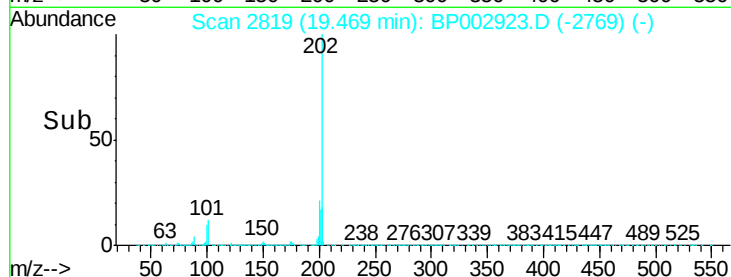
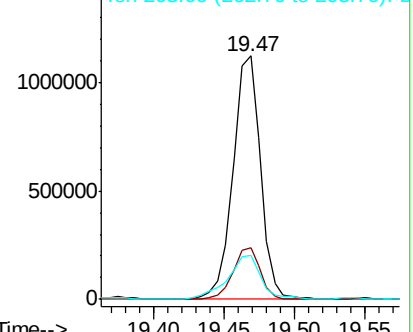


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 66.529 ng

RT: 19.67 min Scan# 2854

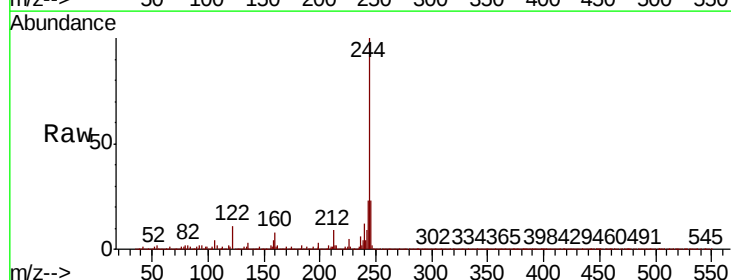
Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Tgt Ion:244 Resp:10139302

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.4	9.6
122	11.4	9.4	14.2

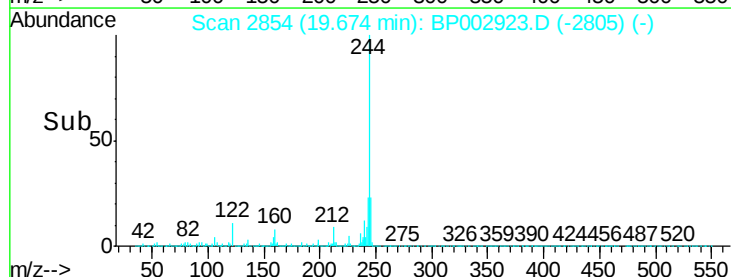
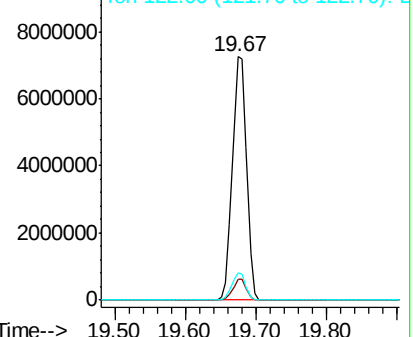


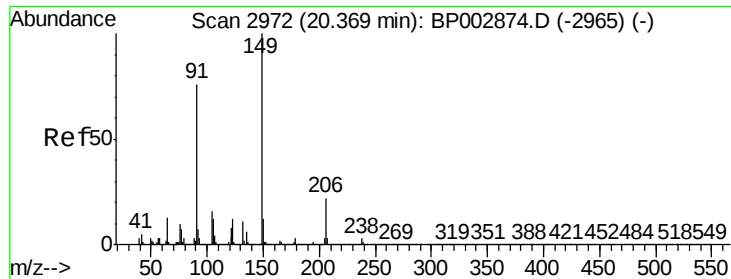
Abundance

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

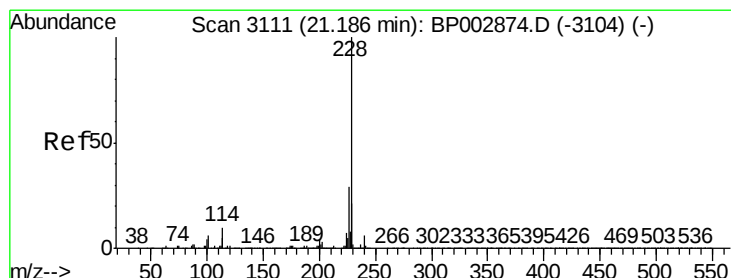
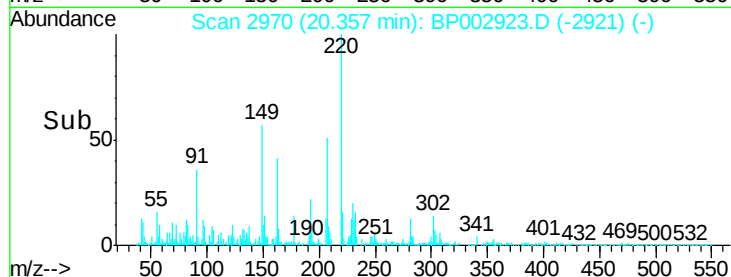
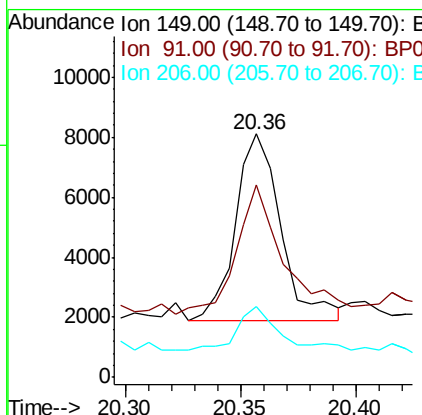
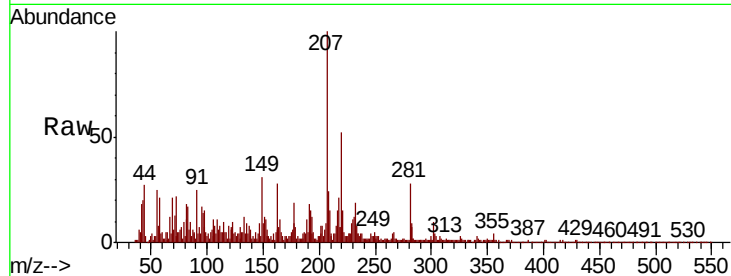




#80
Butylbenzylphthalate
Concen: 3.151 ng
RT: 20.36 min Scan# 2970
Delta R.T. -0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

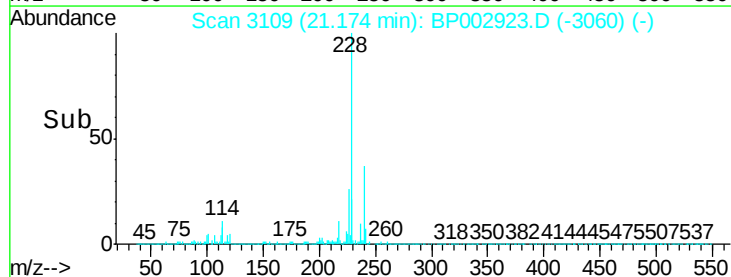
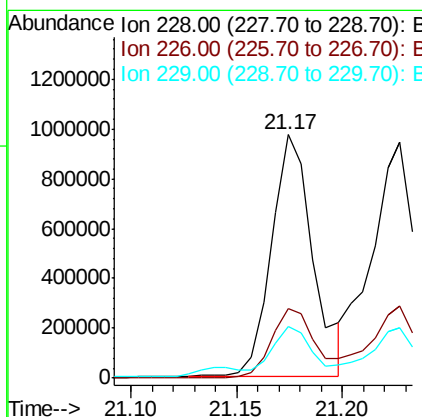
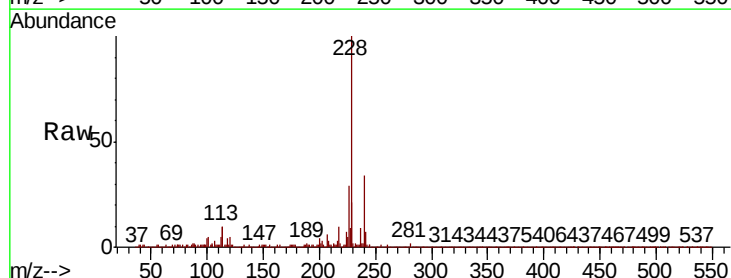
Instrument :
BNA_P
ClientSampleId :
CRT-017

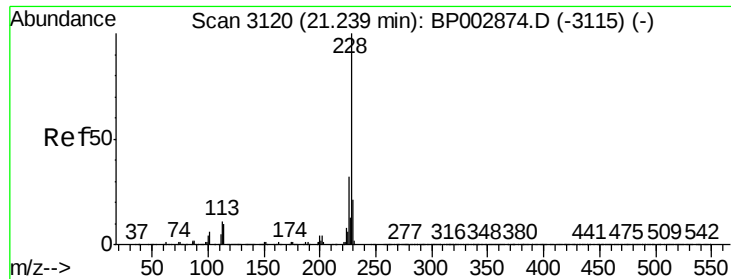
Tot Ion:149 Resp: 8636
Ion Ratio Lower Upper
149 100
91 79.0 60.5 90.7
206 29.1 17.5 26.3#



#81
Benzo(a)anthracene
Concen: 6.408 ng
RT: 21.17 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Tgt Ion:228 Resp: 1331793
Ion Ratio Lower Upper
228 100
226 28.6 23.3 34.9
229 21.1 16.9 25.3





#83

Chrysene

Concen: 6.871 ng

RT: 21.23 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Instrument :

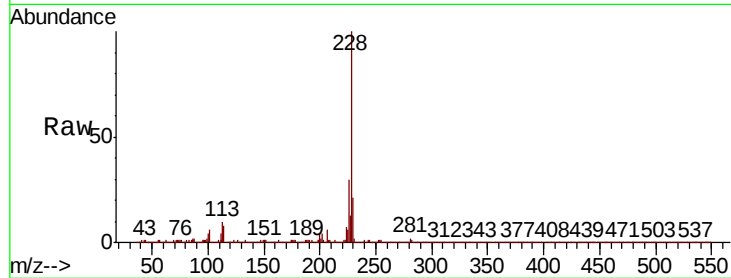
BNA_P

ClientSampleId :

CRT-017

Tot Ion:228 Resp: 1347004

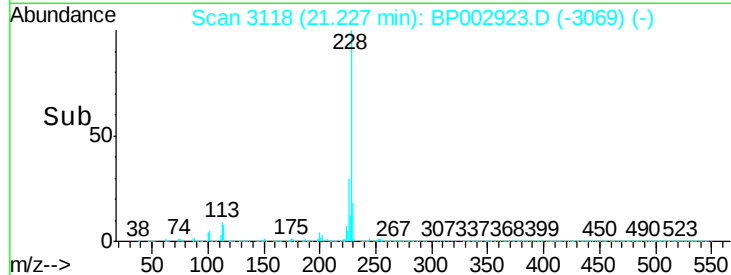
Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.5	38.3
229	21.4	16.7	25.1



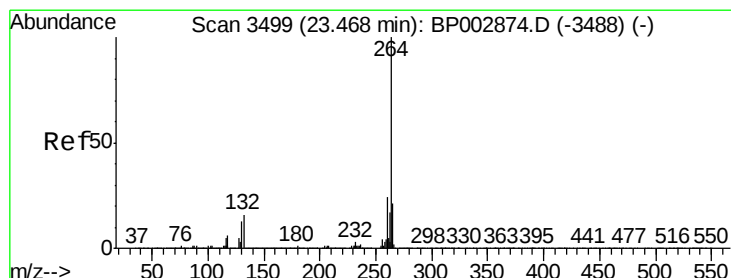
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.45 min Scan# 3496

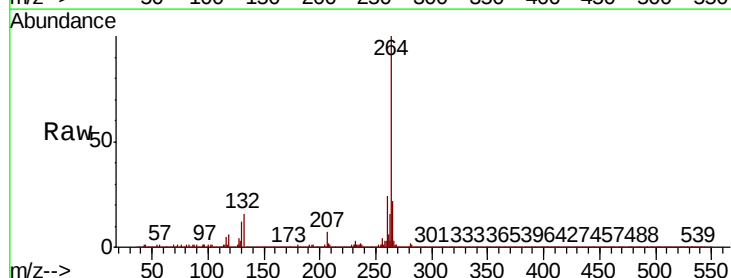
Delta R.T. -0.02 min

Lab File: BP002923.D

Acq: 06 Aug 2020 16:58

Tgt Ion:264 Resp: 2780168

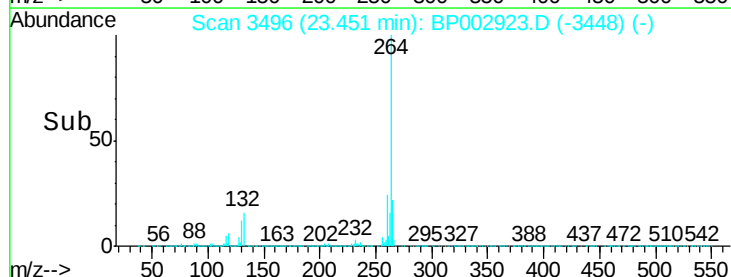
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.6
265	22.1	17.0	25.4



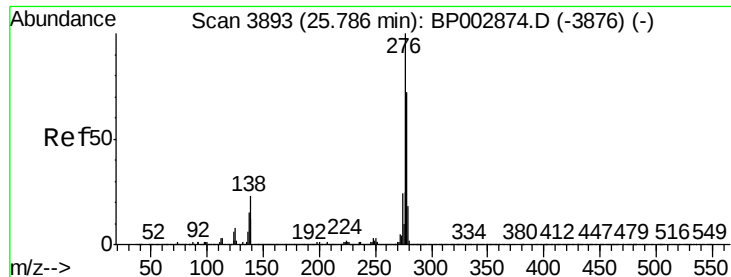
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



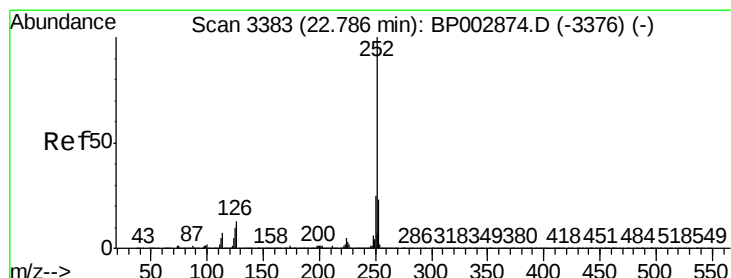
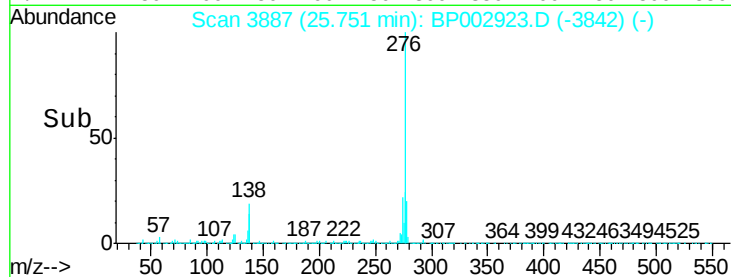
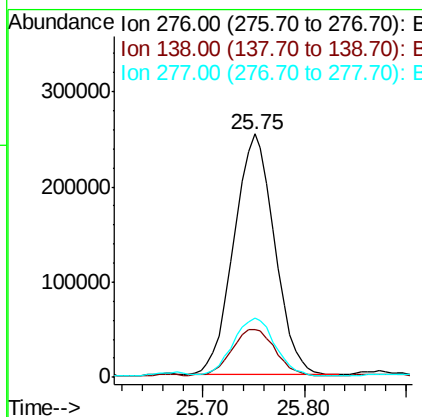
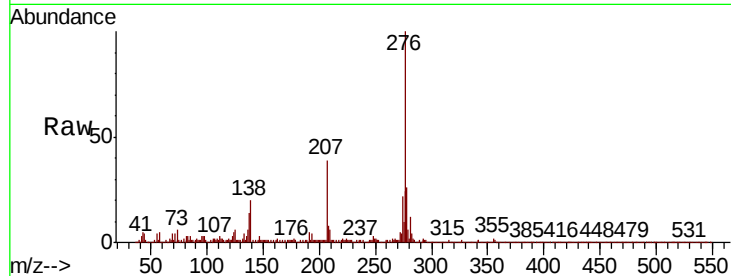
Time-->



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.158 ng
 RT: 25.75 min Scan# 3887
 Delta R.T. -0.04 min
 Lab File: BP002923.D
 Acq: 06 Aug 2020 16:58

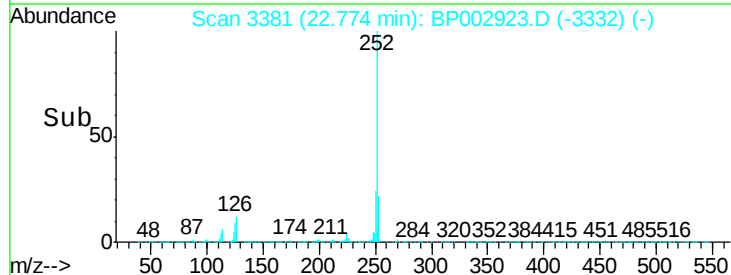
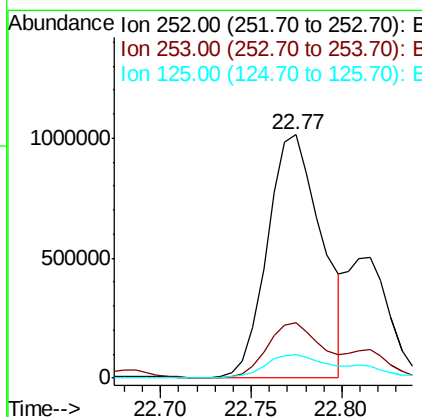
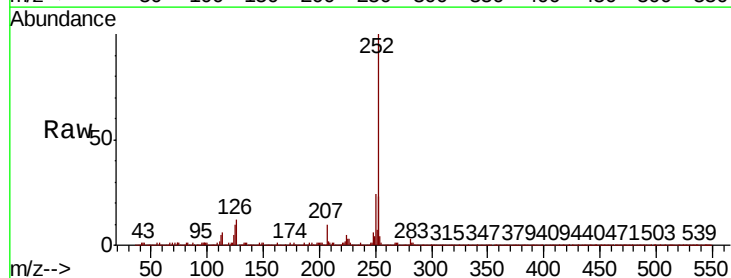
Instrument :
 BNA_P
 ClientSampleId :
 CRT-017

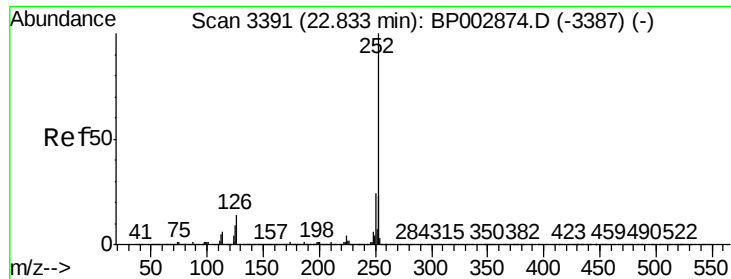
Tot	Ion:276	Resp:	703203
Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.3	28.9
277	24.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 10.729 ng
 RT: 22.77 min Scan# 3381
 Delta R.T. -0.01 min
 Lab File: BP002923.D
 Acq: 06 Aug 2020 16:58

Tgt Ion:252	Resp: 2104868
Ion Ratio	Lower Upper
252 100	
253 22.6	18.3 27.5
125 9.7	7.8 11.8

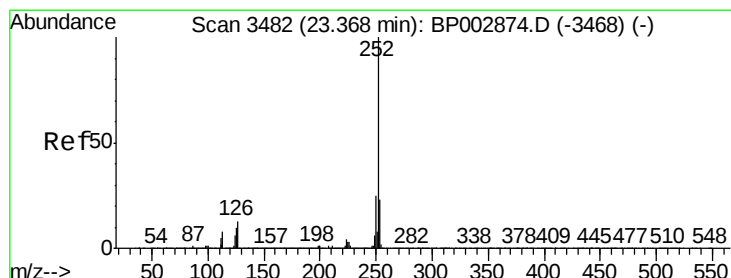
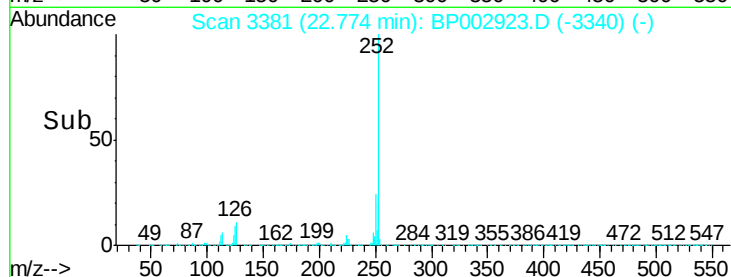
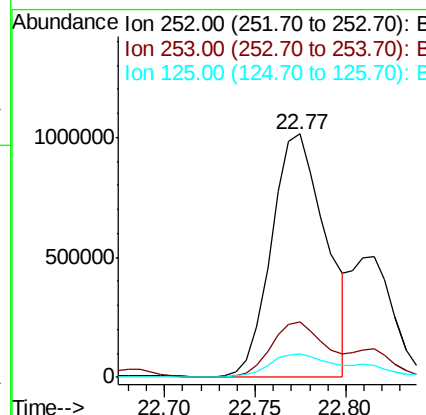
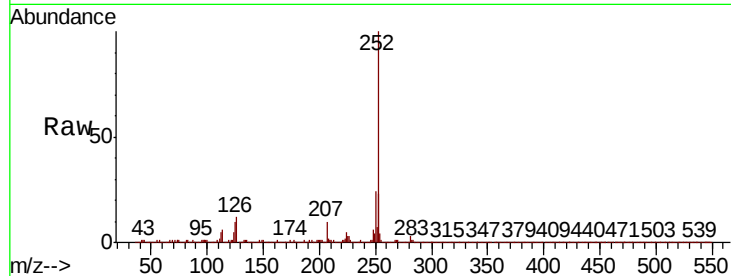




#89
Benzo(k)fluoranthene
Concen: 11.351 ng
RT: 22.77 min Scan# 3381
Delta R.T. -0.06 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

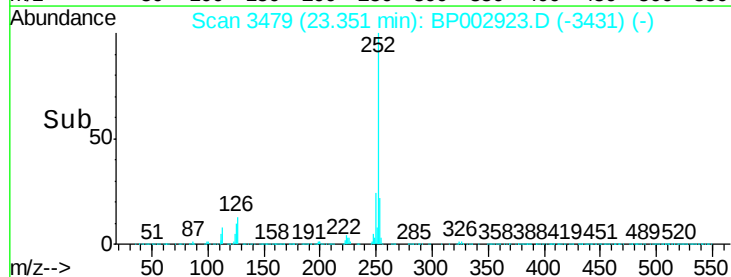
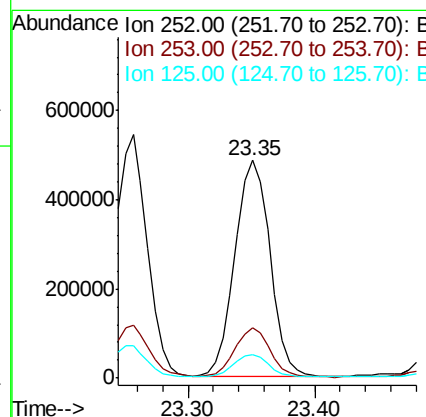
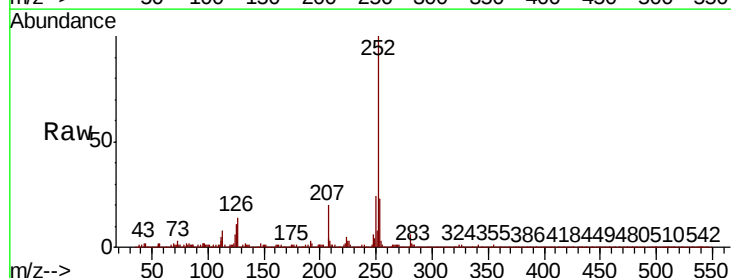
Instrument :
BNA_P
ClientSampleId :
CRT-017

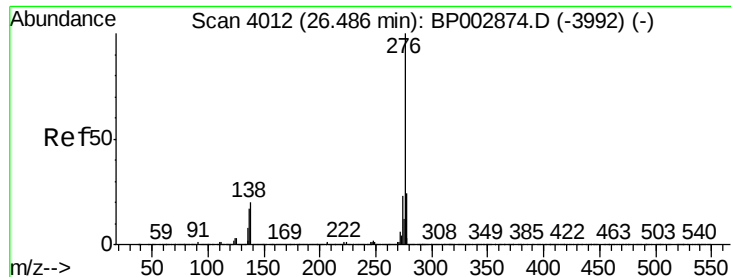
Tot Ion:252 Resp: 2104868
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 9.7 7.5 11.3



#90
Benzo(a)pyrene
Concen: 5.274 ng
RT: 23.35 min Scan# 3479
Delta R.T. -0.02 min
Lab File: BP002923.D
Acq: 06 Aug 2020 16:58

Tgt Ion:252 Resp: 935015
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 10.8 8.3 12.5





#92
 Benzo(a,h,i)perylene
 Concen: 3.481 ng
 RT: 26.45 min Scan# 4006
 Delta R.T. -0.04 min
 Lab File: BP002923.D
 Acq: 06 Aug 2020 16:58

Instrument :
 BNA_P
 ClientSampleId :
 CRT-017

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.3	28.9
138	20.3	16.2	24.2

