

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP073020\
 Data File : BP002886.D
 Acq On : 30 Jul 2020 20:42
 Operator : CG/JU
 Sample : L3491-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3-S

Quant Time: Jul 31 00:48:00 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	7.72	152	550455	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	2041616	20.00	ng	0.00
39) Acenaphthene-d10	14.35	164	1186299	20.00	ng	0.00
64) Phenanthrene-d10	17.10	188	2553486	20.00	ng	0.00
76) Chrysene-d12	21.20	240	2724513	20.00	ng	0.00
86) Perylene-d12	23.46	264	2778217	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	2483044	69.04	ng	0.00
7) Phenol-d6	6.89	99	3113467	62.35	ng	0.00
23) Nitrobenzene-d5	8.86	82	1867778	49.55	ng	0.00
42) 2,4,6-Tribromophenol	15.85	330	1025878	69.58	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	3921124	45.16	ng	0.00
79) Terphenyl-d14	19.68	244	5422831	39.85	ng	0.00

Target Compounds

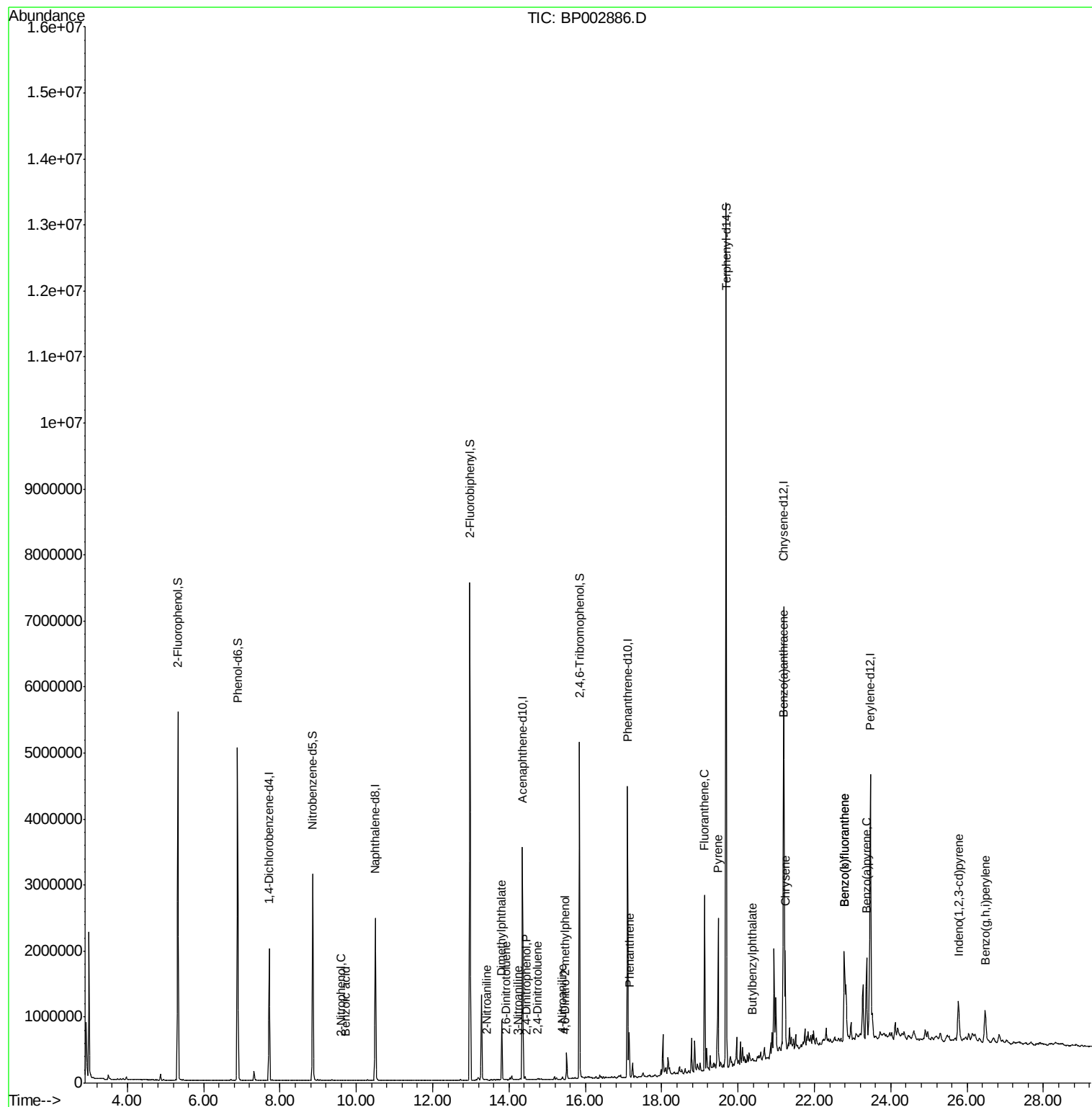
						Qvalue
26) 2-Nitrophenol	9.60	139	26	4.522	ng	# 1
32) Benzoic acid	9.72	122	1481	7.752	ng	91
48) 2-Nitroaniline	13.41	65	764	4.008	ng	# 28
50) Dimethylphthalate	13.81	163	579026	6.241	ng	99
51) 2,6-Dinitrotoluene	13.91	165	1388	2.962	ng	# 59
53) 3-Nitroaniline	14.25	138	95	3.278	ng	# 60
54) 2,4-Dinitrophenol	14.46	184	54	8.063	ng	# 1
57) 2,4-Dinitrotoluene	14.73	165	182	3.812	ng	# 52
62) 4-Nitroaniline	15.39	138	271	2.428	ng	# 17
65) 4,6-Dinitro-2-methylphenol	15.47	198	7	6.901	ng	# 1
71) Phenanthrene	17.15	178	381946	2.551	ng	98
75) Fluoranthene	19.12	202	1494446	8.663	ng	99
78) Pyrene	19.47	202	1403465	7.369	ng	98
80) Butylbenzylphthalate	20.37	149	8699	3.163	ng	# 85
81) Benzo(a)anthracene	21.18	228	1020813	5.501	ng	99
83) Chrysene	21.23	228	820025	4.684	ng	96
87) Indeno(1,2,3-cd)pyrene	25.77	276	585199	2.630	ng	96
88) Benzo(b)fluoranthene	22.78	252	1628004	8.304	ng	99
89) Benzo(k)fluoranthene	22.78	252	1628004	8.786	ng	98
90) Benzo(a)pyrene	23.36	252	904510	5.106	ng	99
92) Benzo(g,h,i)perylene	26.47	276	606639	3.313	ng	97

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

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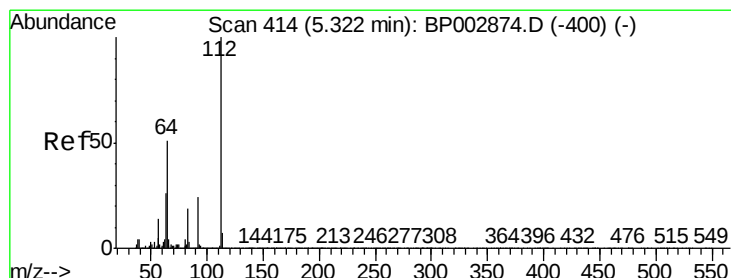
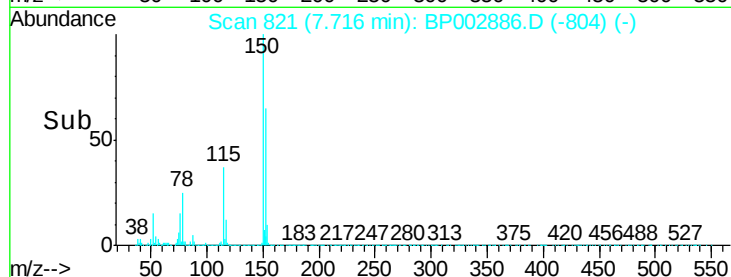
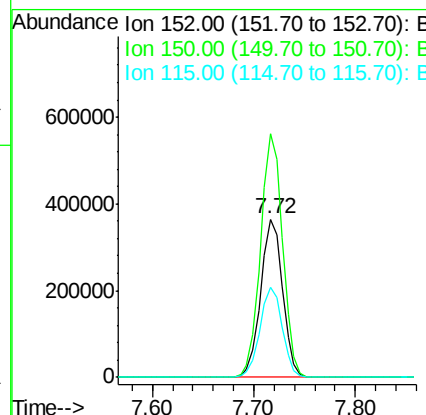
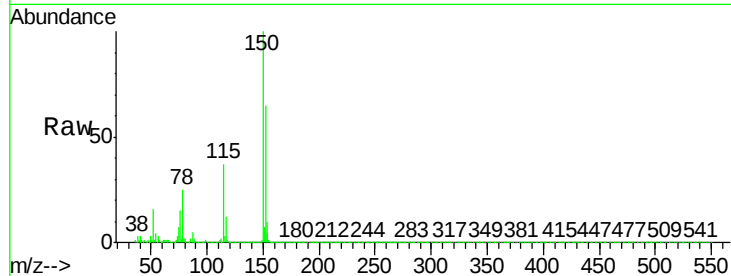


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 821
Delta R.T. -0.00 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Instrument :
BNA_P
ClientSampleId :
TP-3-S

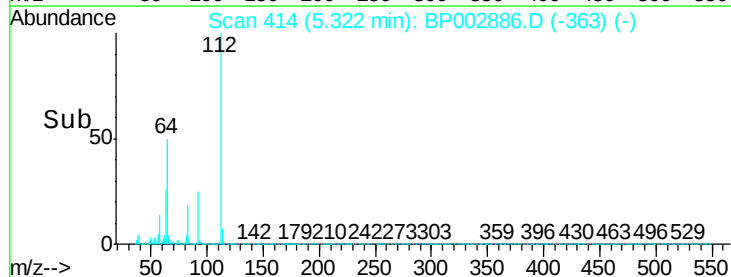
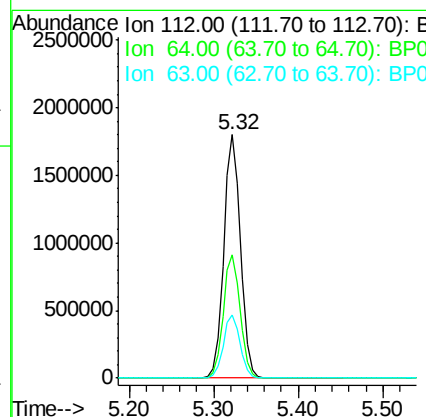
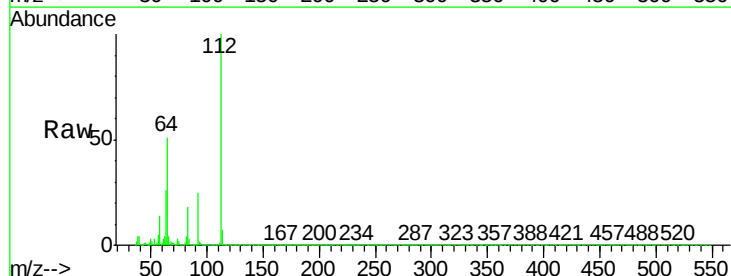
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.8	187.2
115	57.0	47.4	71.2

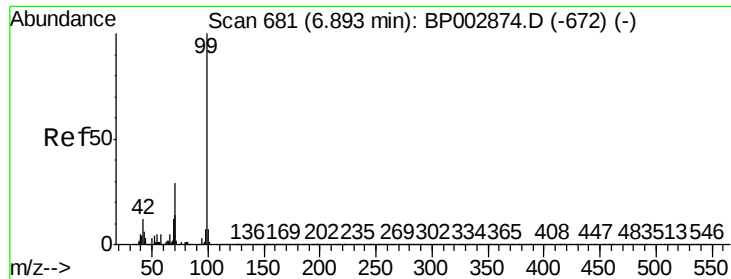


#5

2-Fluorophenol
Concen: 69.039 ng
RT: 5.32 min Scan# 414
Delta R.T. -0.00 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.5	41.0	61.6
63	25.8	20.7	31.1





#7

Phenol-d6

Concen: 62.352 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

Instrument :

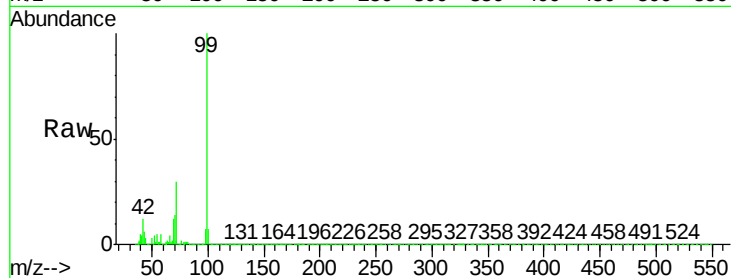
BNA_P

ClientSampleId :

TP-3-S

Tot Ion: 99 Resp: 3113467

Ion	Ratio	Lower	Upper
99	100		
42	12.0	9.3	13.9
71	30.2	23.5	35.3

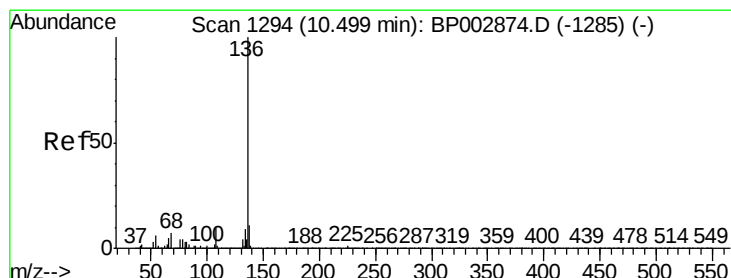
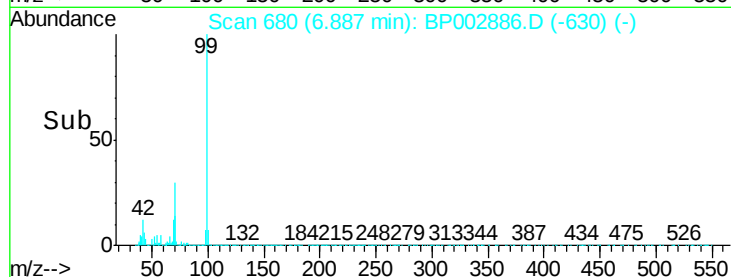
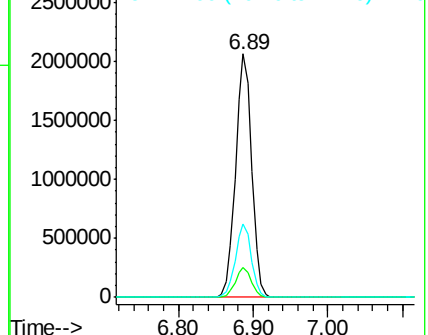


Abundance

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: 10.50 min Scan# 1294

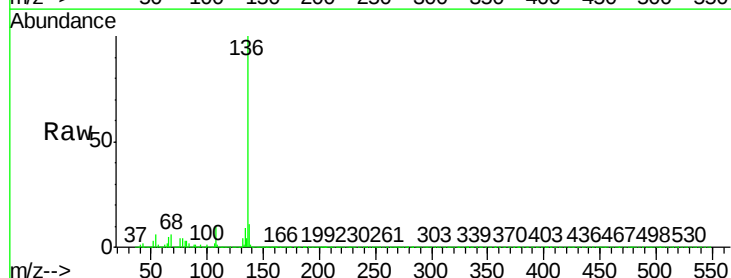
Delta R.T. -0.00 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

Tgt Ion: 136 Resp: 2041616

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	6.1	5.1	7.7
68	6.3	5.3	7.9



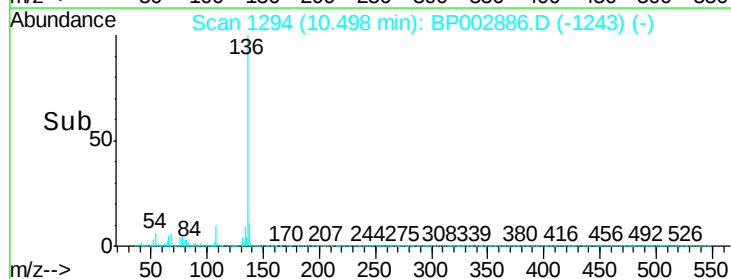
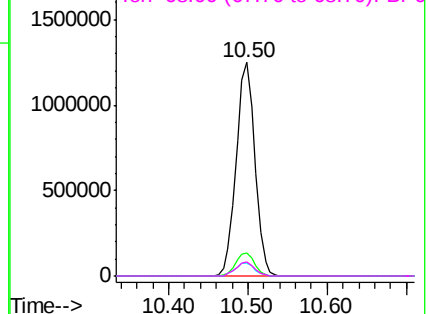
Abundance

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

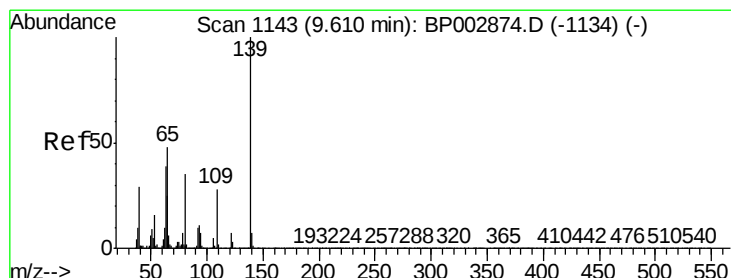
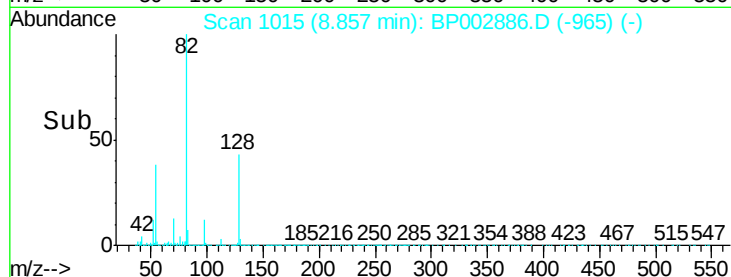
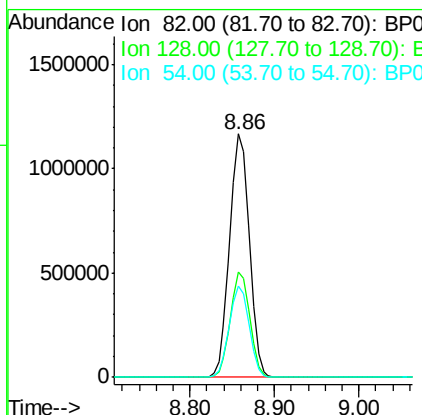
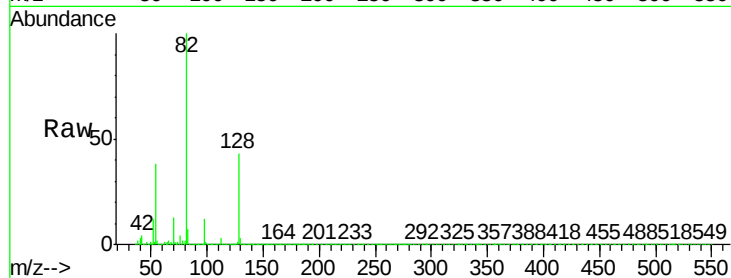




#23
Nitrobenzene-d5
Concen: 49.551 ng
RT: 8.86 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

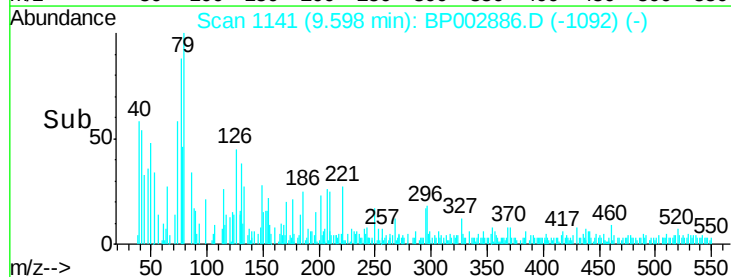
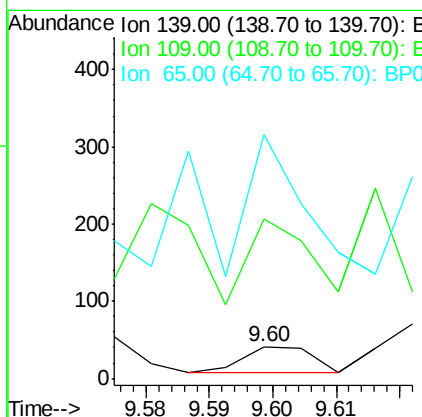
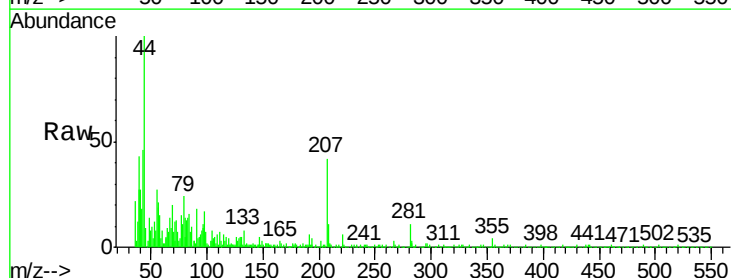
Instrument :
BNA_P
ClientSampleId :
TP-3-S

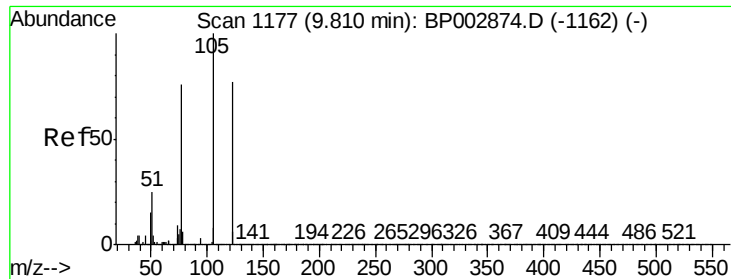
Tot Ion: 82 Resp: 1867778
Ion Ratio Lower Upper
82 100
128 43.1 34.6 52.0
54 37.6 29.5 44.3



#26
2-Nitrophenol
Concen: 4.522 ng
RT: 9.60 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion: 139 Resp: 26
Ion Ratio Lower Upper
139 100
109 504.9 22.2 33.2#
65 770.7 38.9 58.3#

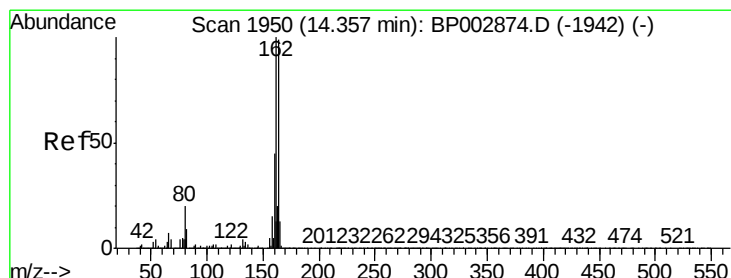
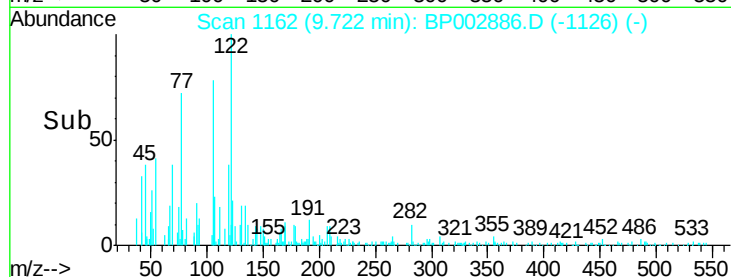
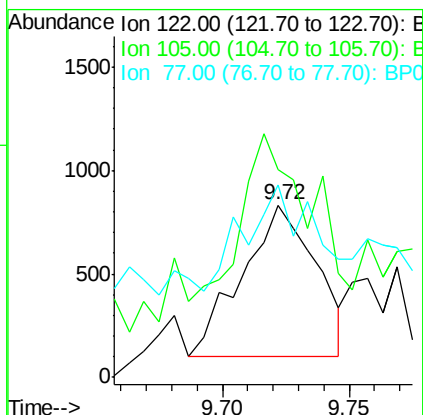
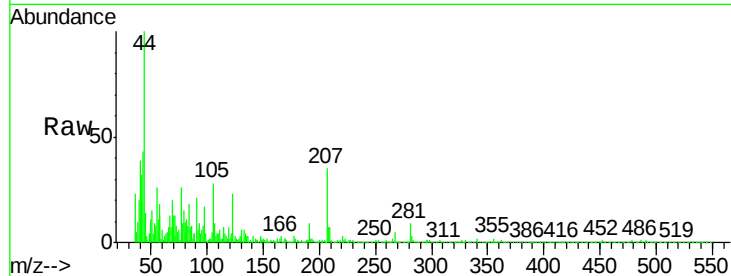




#32
Benzoic acid
Concen: 7.752 ng
RT: 9.72 min Scan# 1162
Delta R.T. -0.09 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

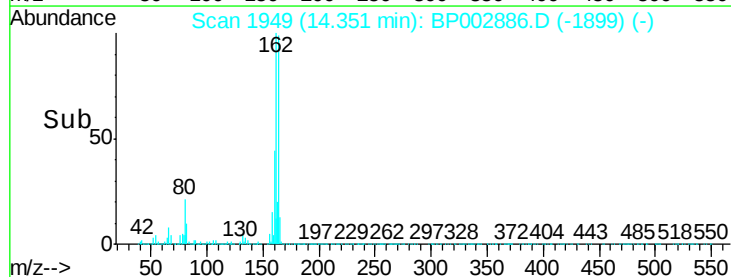
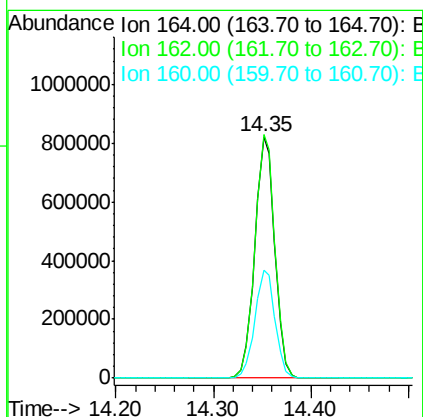
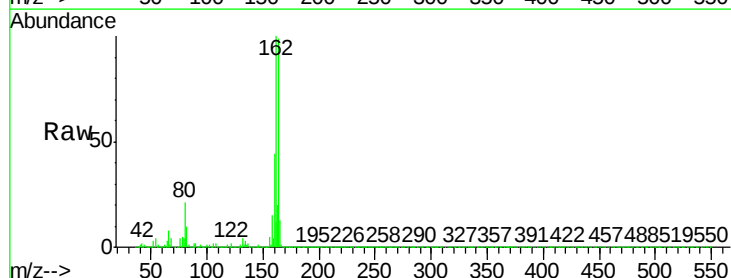
Instrument :
BNA_P
ClientSampled :
TP-3-S

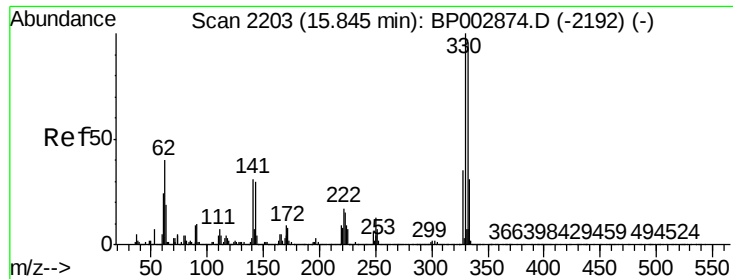
Tot Ion:122 Resp: 1481
Ion Ratio Lower Upper
122 100
105 120.9 103.4 143.4
77 112.1 74.6 114.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.35 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:164 Resp: 1186299
Ion Ratio Lower Upper
164 100
162 100.9 81.0 121.6
160 44.7 36.2 54.4

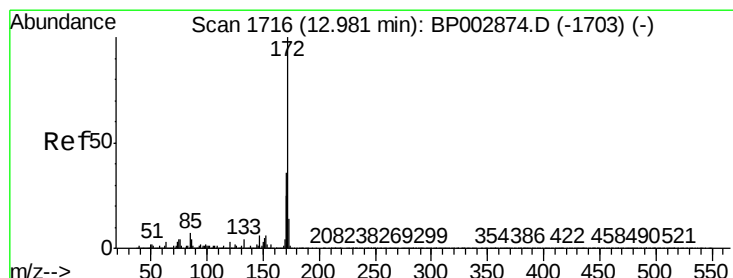
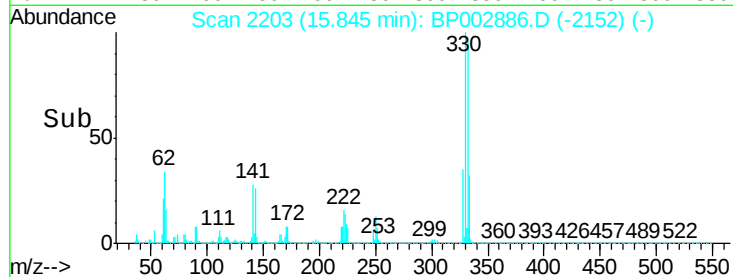
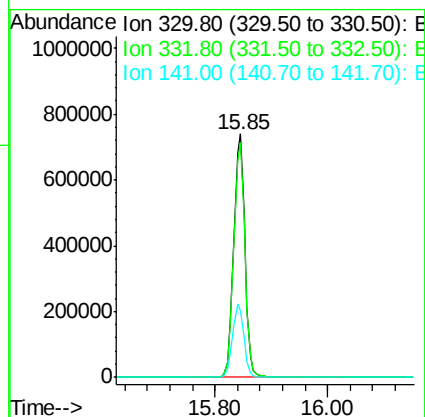
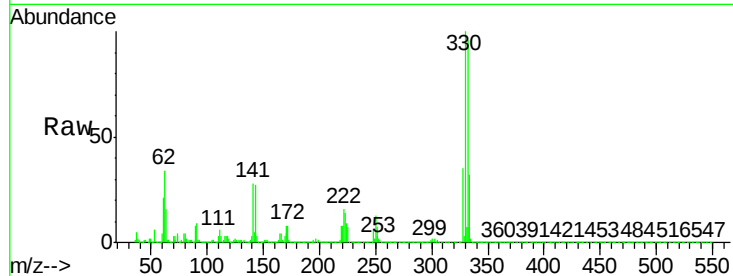




#42
2,4,6-Tribromophenol
Concen: 69.578 ng
RT: 15.85 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

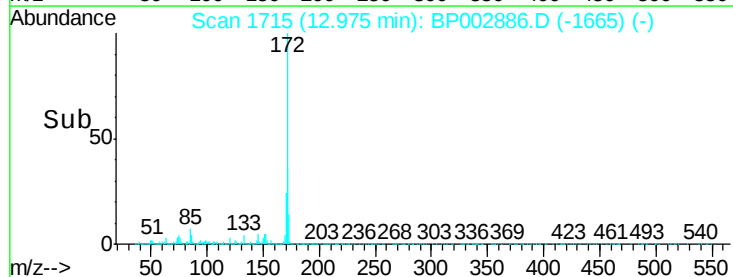
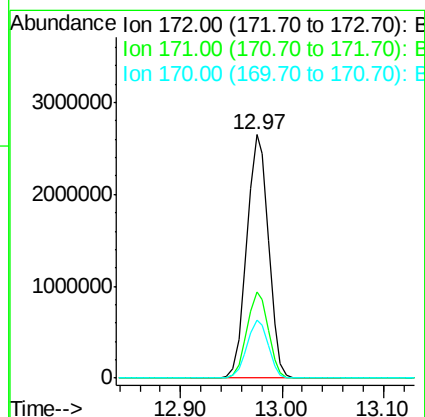
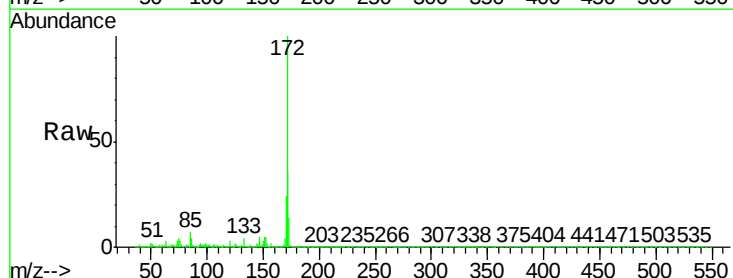
Instrument :
BNA_P
ClientSampled :
TP-3-S

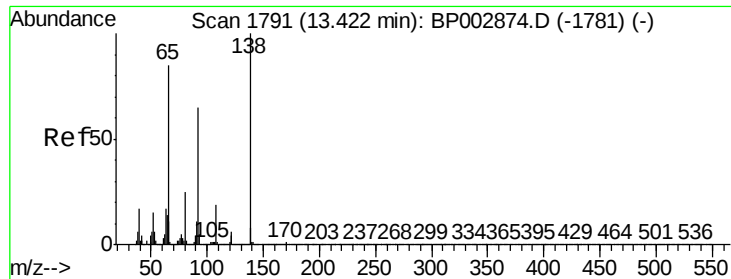
Tot Ion:330 Resp: 1025878
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 30.3 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 45.161 ng
RT: 12.97 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:172 Resp: 3921124
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.8 19.6 29.4





#48

2-Nitroaniline

Concen: 4.008 ng

RT: 13.41 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

Instrument :

BNA_P

ClientSampleId :

TP-3-S

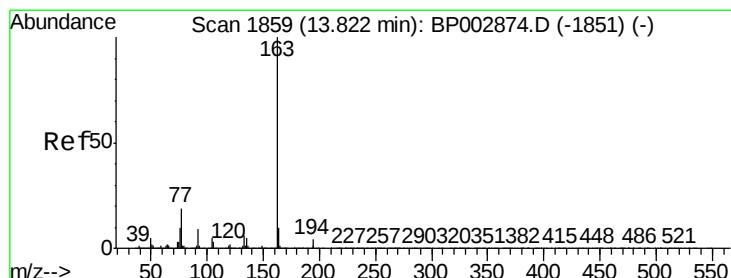
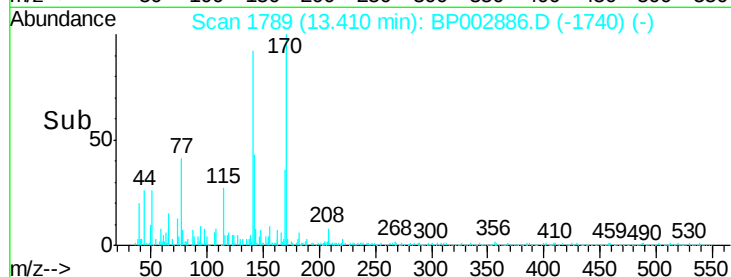
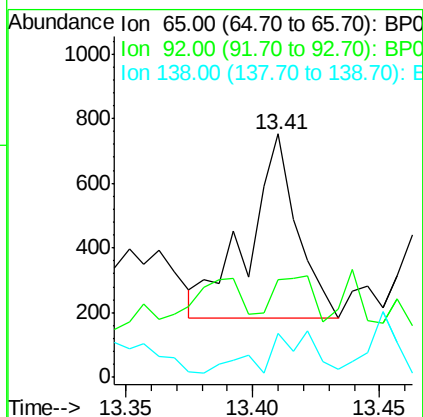
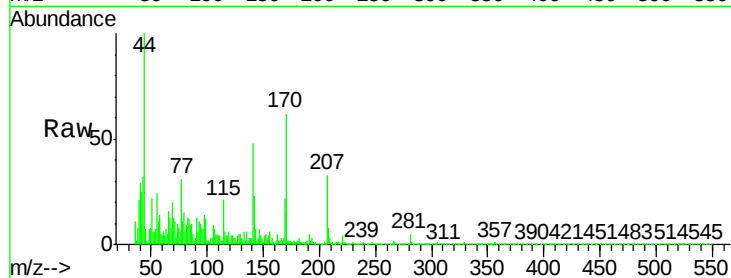
Tot Ion: 65 Resp: 764

Ion Ratio Lower Upper

65 100

92 39.8 61.4 92.0#

138 18.2 94.2 141.4#



#50

Dimethylphthalate

Concen: 6.241 ng

RT: 13.81 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

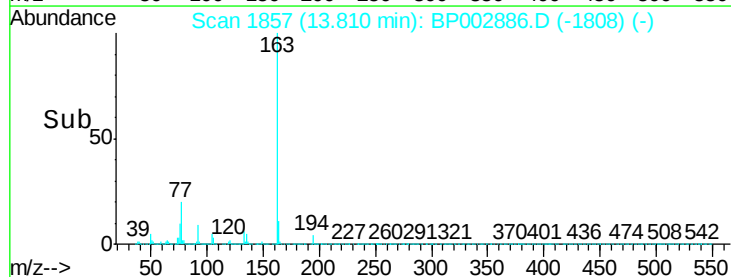
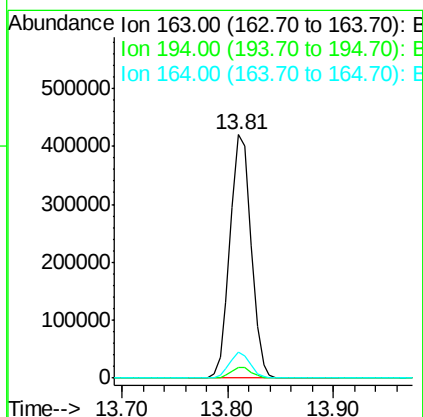
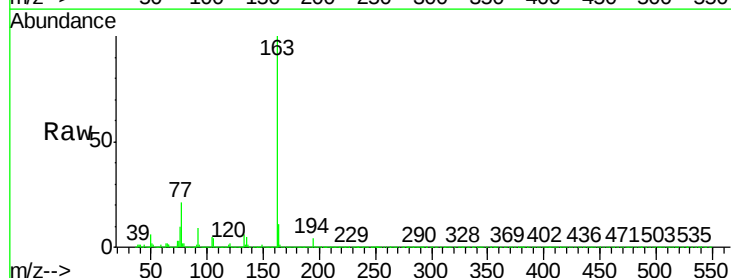
Tgt Ion: 163 Resp: 579026

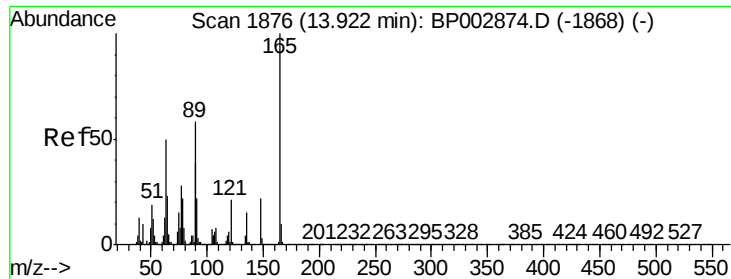
Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

164 10.6 8.2 12.2

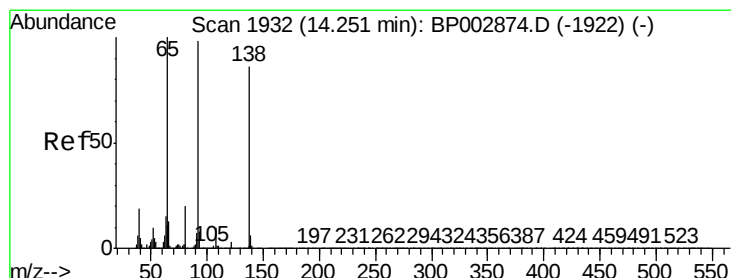
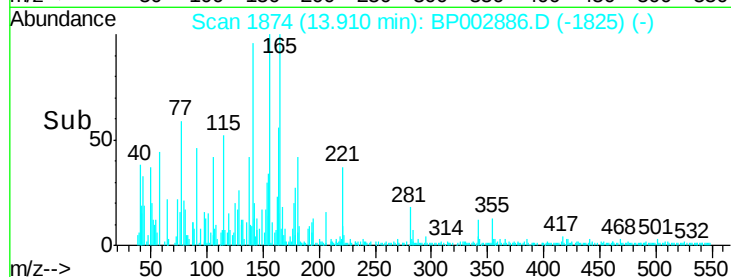
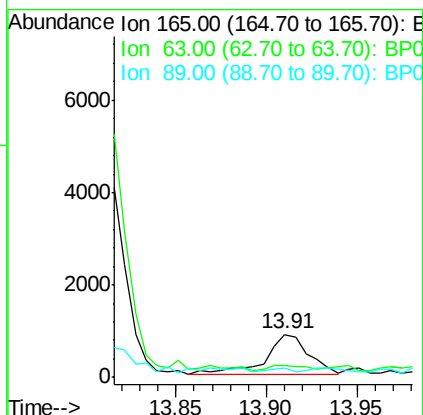
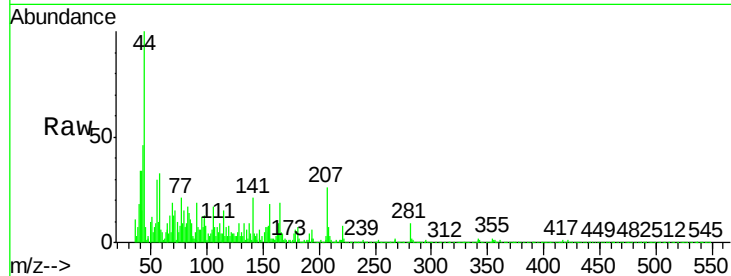




#51
2,6-Dinitrotoluene
Concen: 2.962 ng
RT: 13.91 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

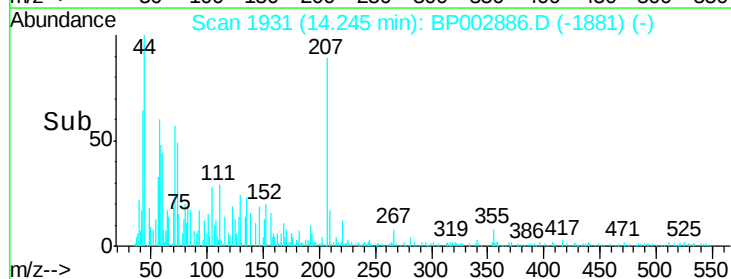
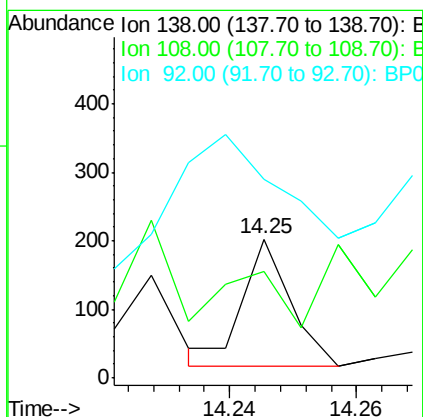
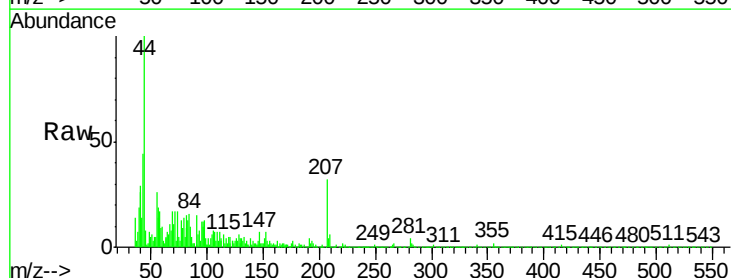
Instrument :
BNA_P
ClientSampled :
TP-3-S

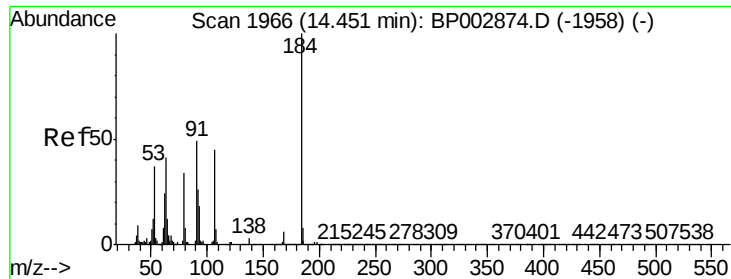
Tot Ion:165 Resp: 1388
Ion Ratio Lower Upper
165 100
63 27.2 40.3 60.5#
89 23.2 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.278 ng
RT: 14.25 min Scan# 1931
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:138 Resp: 95
Ion Ratio Lower Upper
138 100
108 76.7 9.4 14.0#
92 143.1 91.0 136.6#

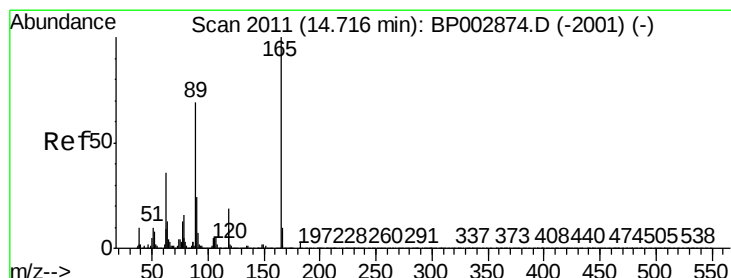
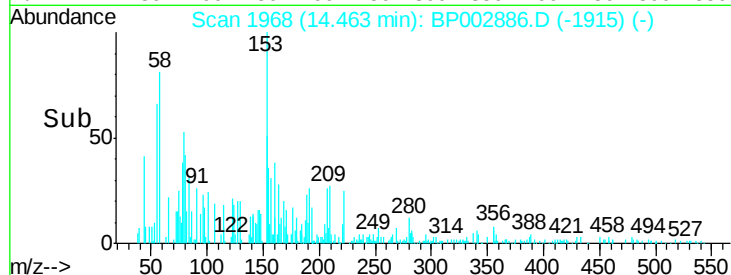
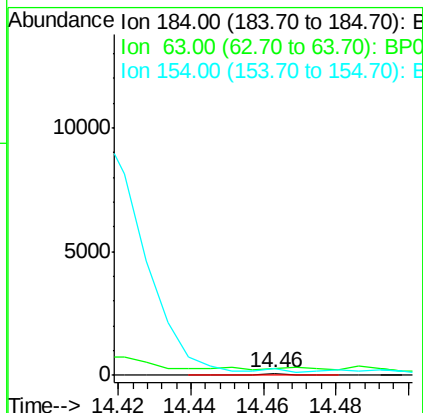
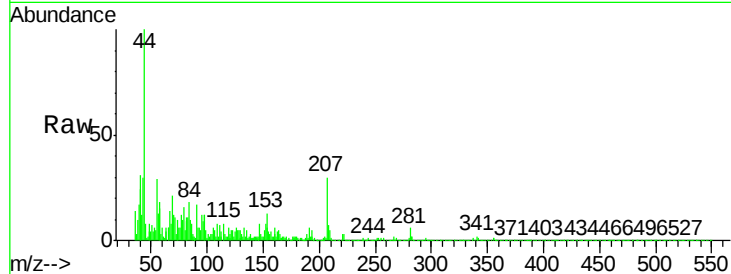




#54
2,4-Dinitrophenol
Concen: 8.063 ng
RT: 14.46 min Scan# 1968
Delta R.T. 0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

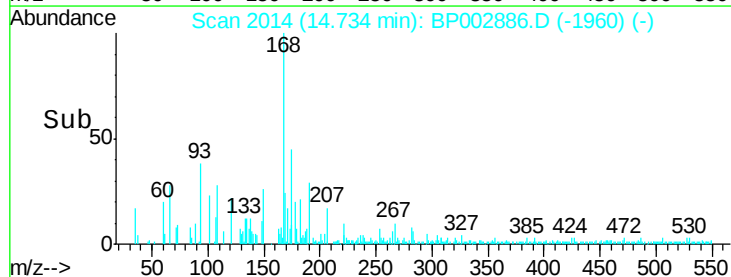
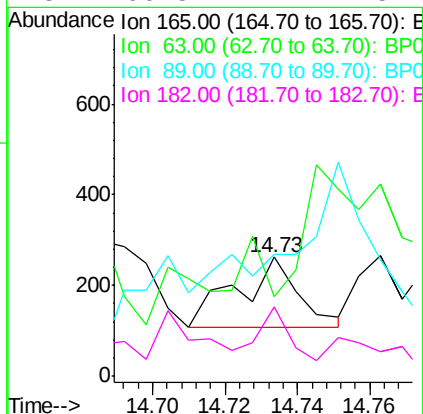
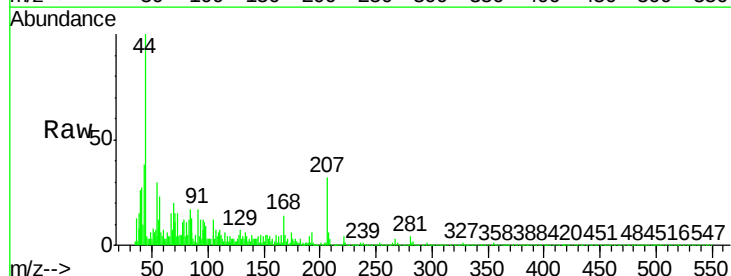
Instrument :
BNA_P
ClientSampleId :
TP-3-S

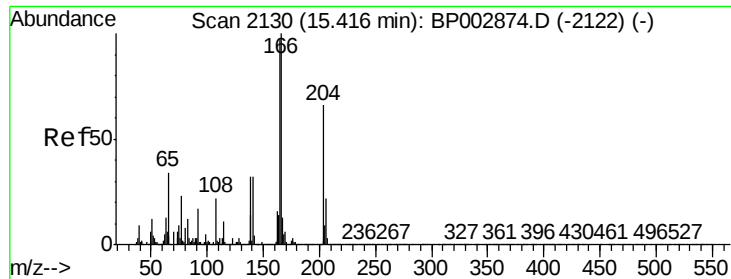
Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 310.2 50.3 75.5#
154 340.9 50.6 76.0#



#57
2,4-Dinitrotoluene
Concen: 3.812 ng
RT: 14.73 min Scan# 2014
Delta R.T. 0.02 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:165 Resp: 182
Ion Ratio Lower Upper
165 100
63 66.4 29.0 43.4#
89 102.3 55.5 83.3#
182 66.8 2.2 3.4#

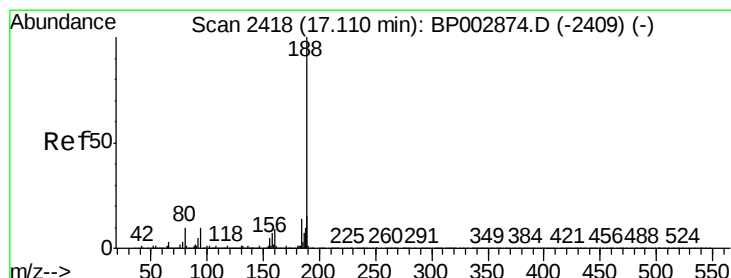
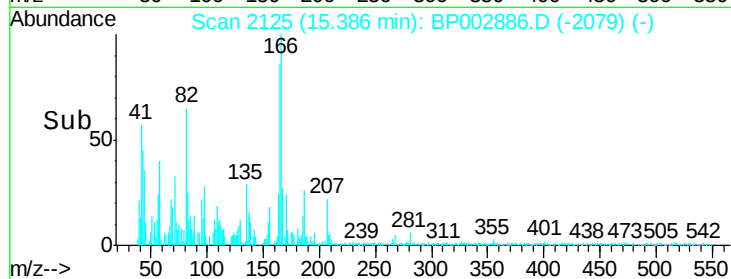
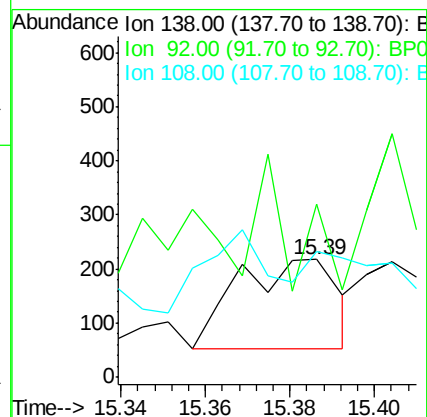
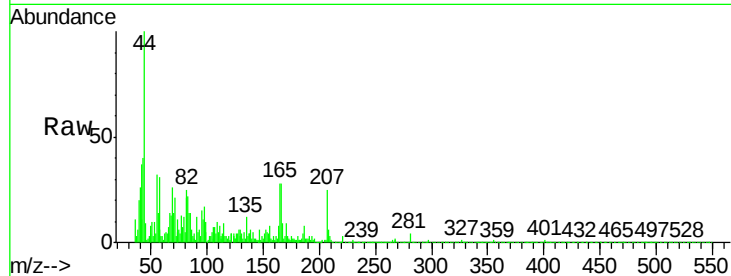




#62
4-Nitroaniline
Concen: 2.428 ng
RT: 15.39 min Scan# 2125
Delta R.T. -0.03 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

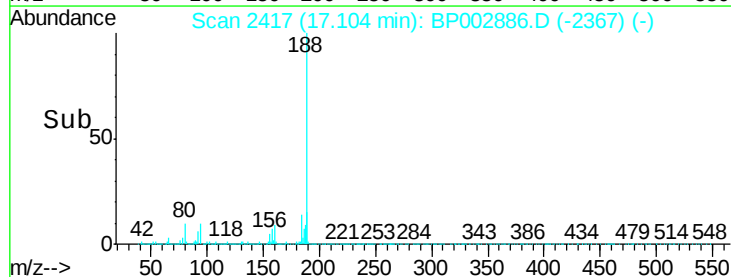
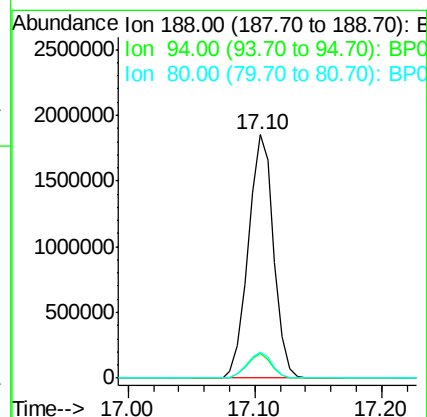
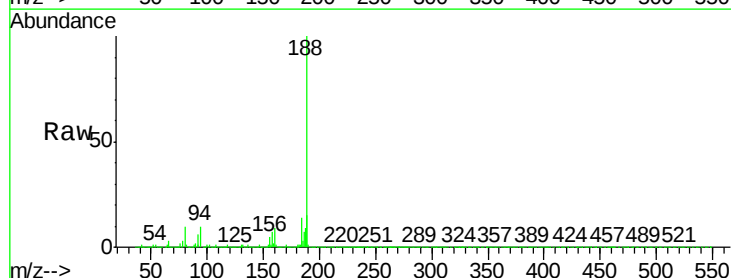
Instrument :
BNA_P
ClientSampleId :
TP-3-S

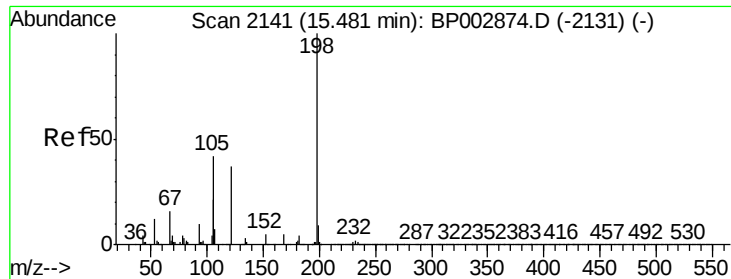
Tot Ion:138 Resp: 271
Ion Ratio Lower Upper
138 100
92 146.8 32.2 72.2#
108 106.9 50.0 90.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.10 min Scan# 2417
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:188 Resp: 2553486
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 10.4 8.0 12.0





#65

4,6-Dinitro-2-methylphenol

Concen: 6.901 ng

RT: 15.47 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

Instrument :

BNA_P

ClientSampleId :

TP-3-S

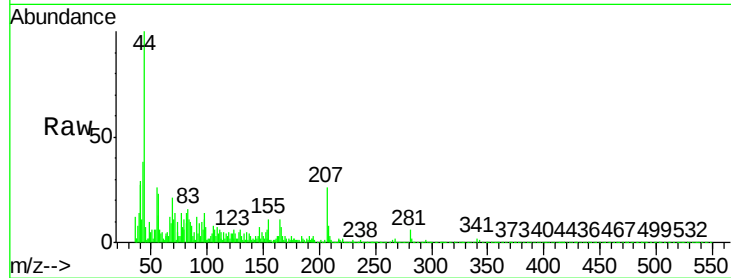
Tot Ion:198 Resp: 7

Ion Ratio Lower Upper

198 100

51 897.2 11.6 51.6#

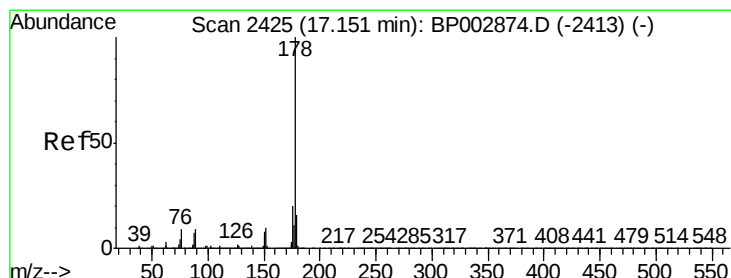
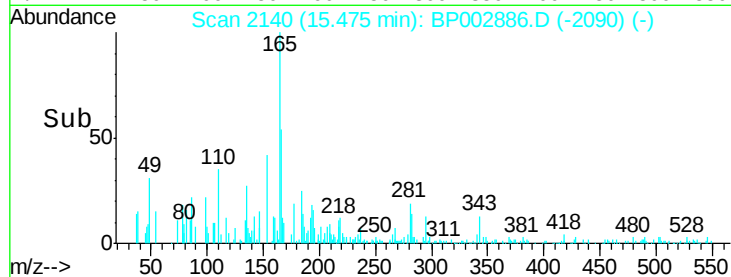
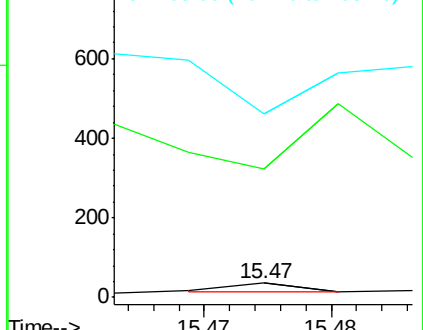
105 1277.8 23.8 63.8#



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: 2.551 ng

RT: 17.15 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

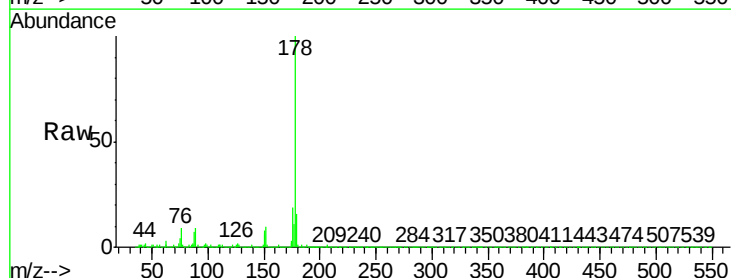
Tgt Ion:178 Resp: 381946

Ion Ratio Lower Upper

178 100

176 19.1 16.1 24.1

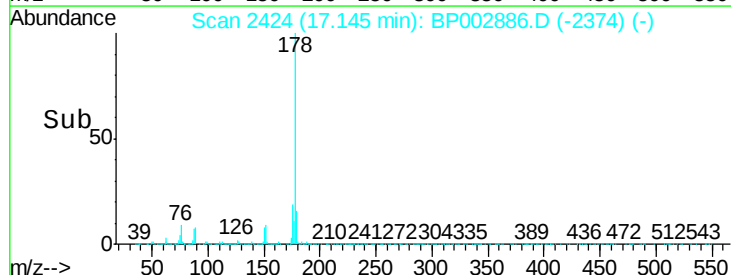
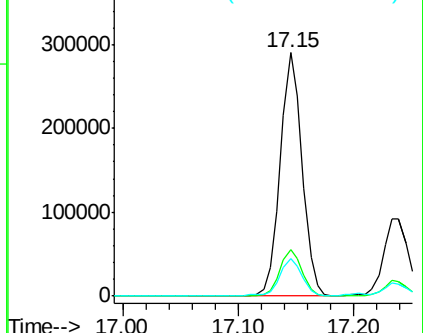
179 15.6 13.0 19.4

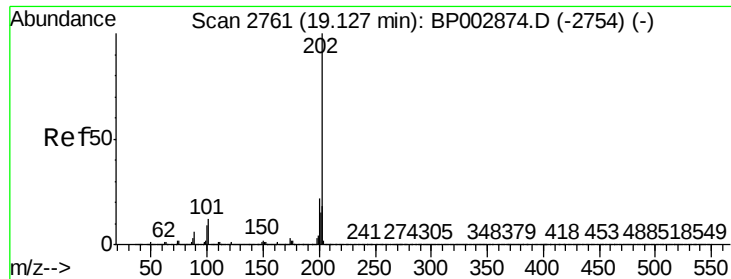


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.663 ng

RT: 19.12 min Scan# 2760

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

Instrument :

BNA_P

ClientSampleId :

TP-3-S

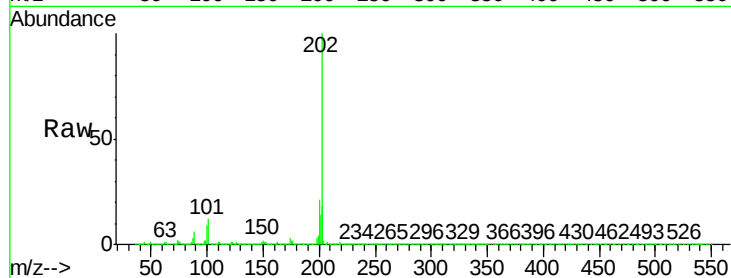
Tot Ion:202 Resp: 1494446

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.6

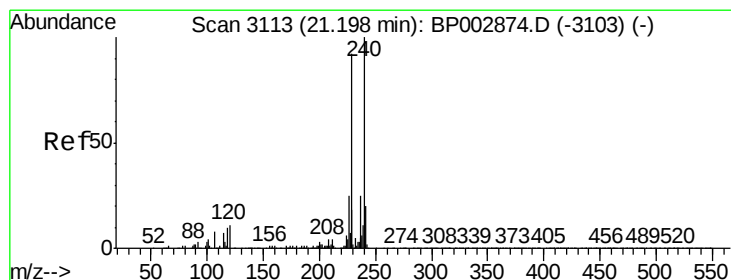
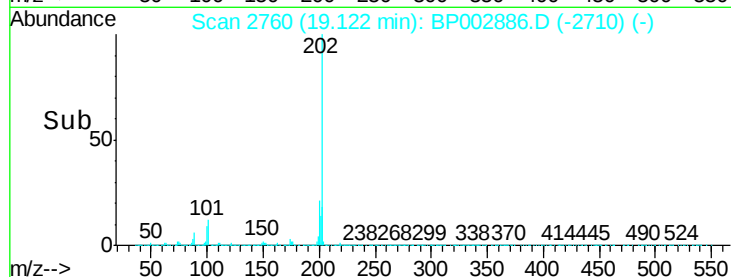
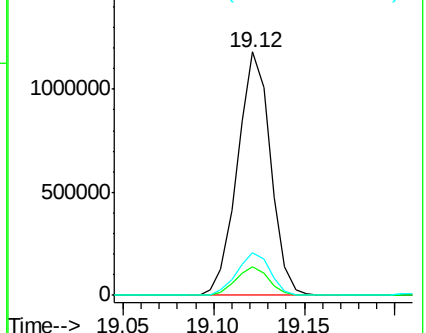
203 17.8 0.0 38.4



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: 21.20 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

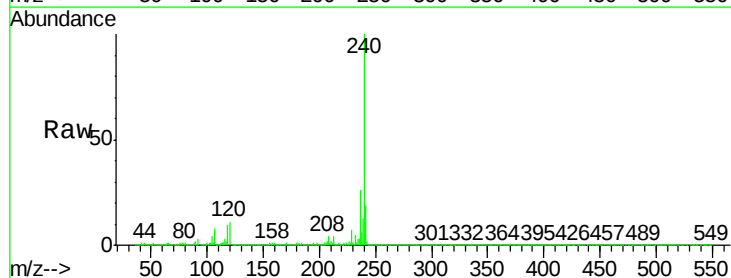
Tgt Ion:240 Resp: 2724513

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

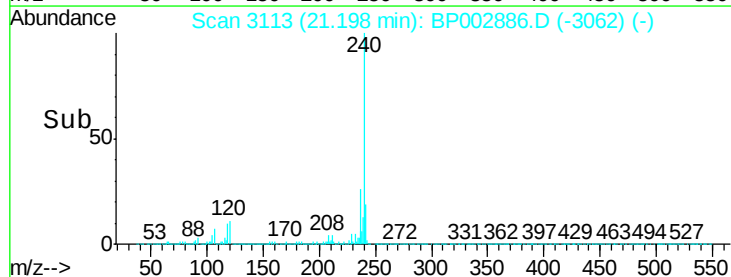
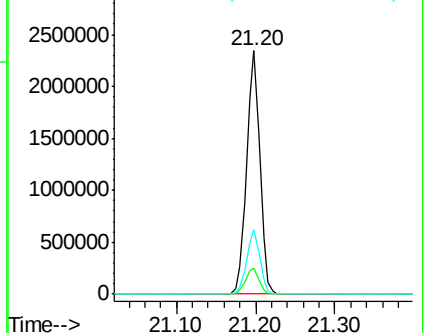
236 26.4 20.3 30.5

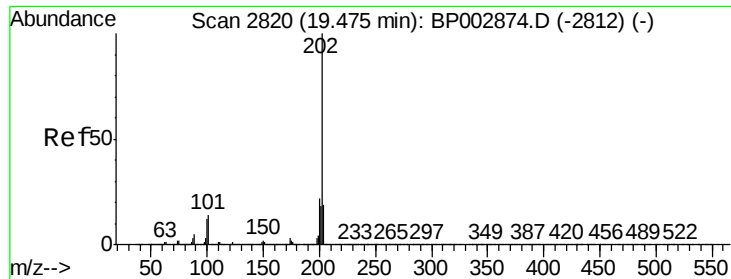


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

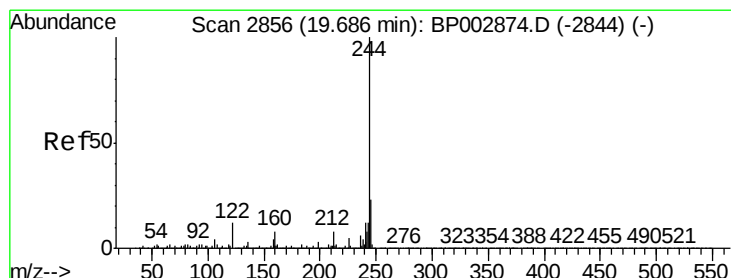
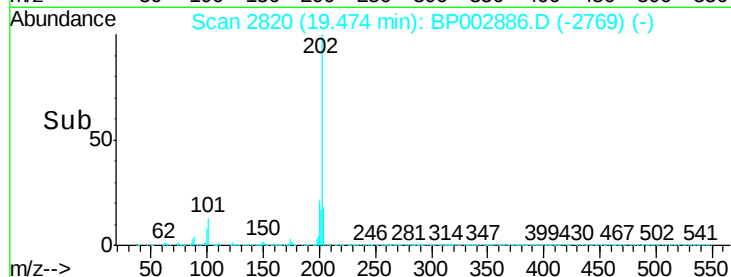
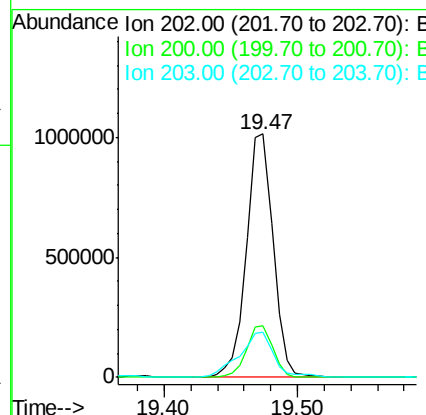
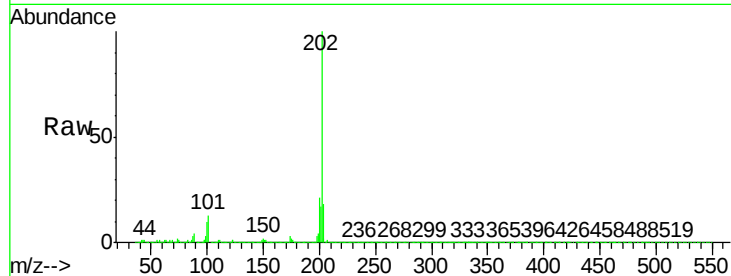




#78
Pvrene
Concen: 7.369 ng
RT: 19.47 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

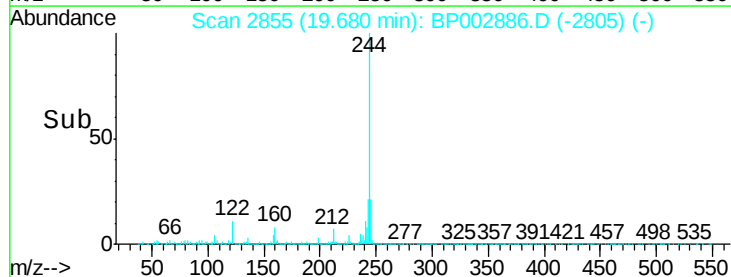
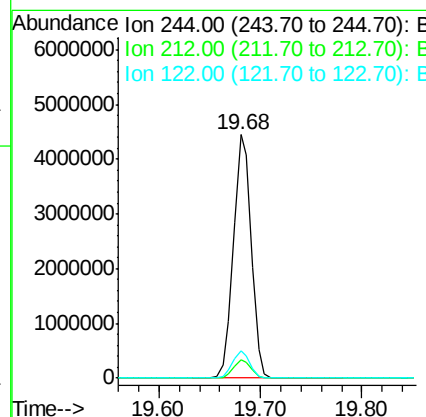
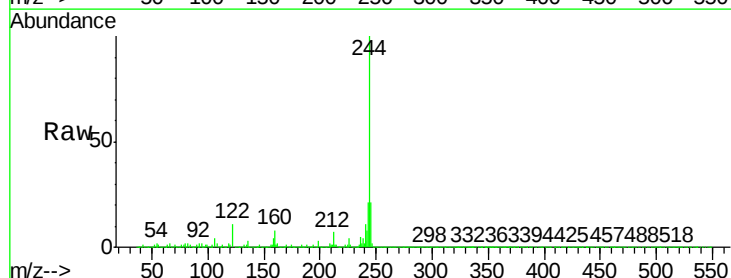
Instrument :
BNA_P
ClientSampled :
TP-3-S

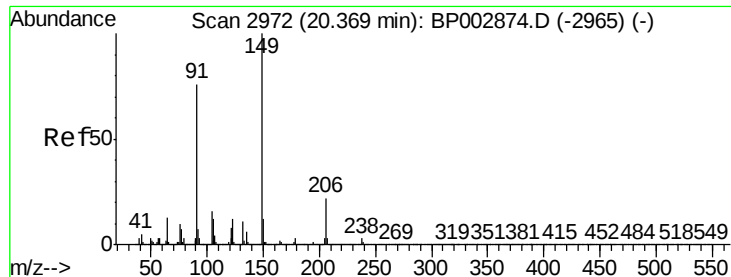
Tot Ion:202 Resp: 1403465
Ion Ratio Lower Upper
202 100
200 21.4 17.9 26.9
203 18.3 15.1 22.7



#79
Terphenyl-d14
Concen: 39.847 ng
RT: 19.68 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:244 Resp: 5422831
Ion Ratio Lower Upper
244 100
212 7.4 6.4 9.6
122 11.3 9.4 14.2

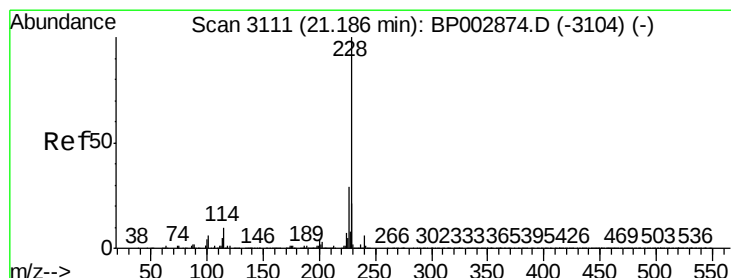
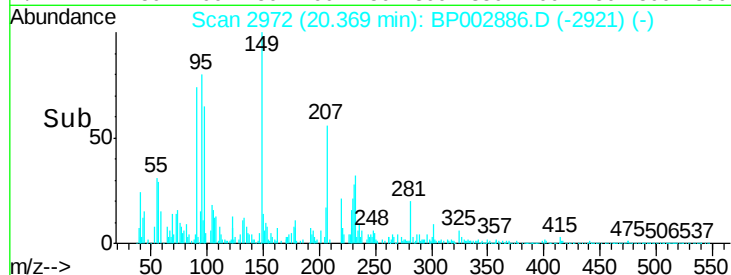
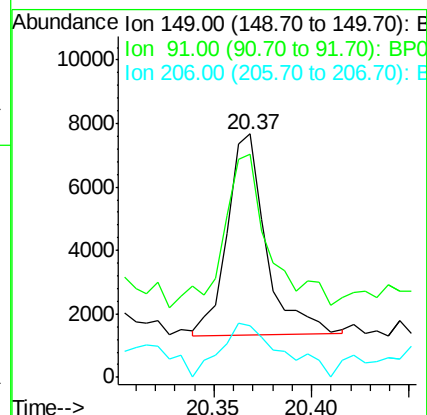
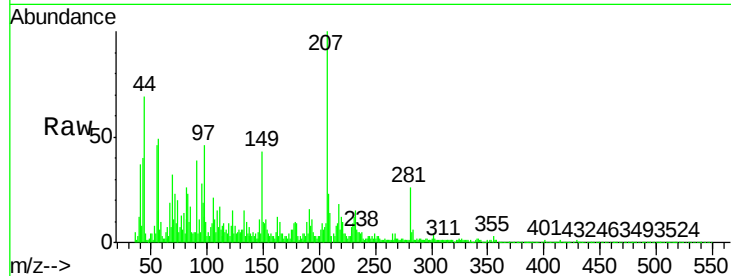




#80
Butylbenzylphthalate
Concen: 3.163 ng
RT: 20.37 min Scan# 2972
Delta R.T. 0.00 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

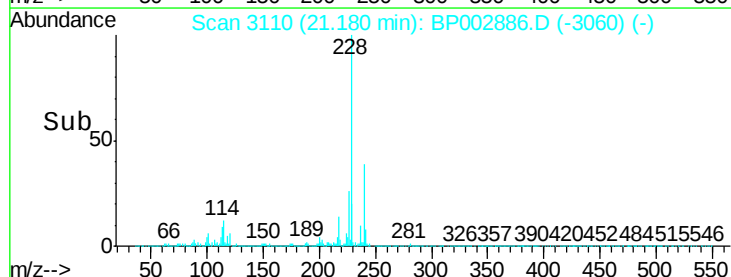
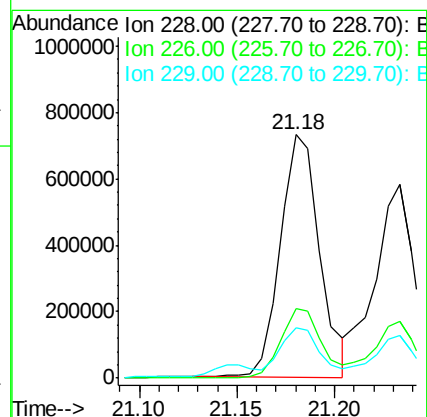
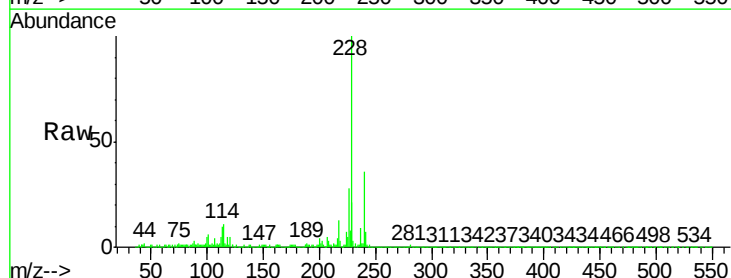
Instrument :
BNA_P
ClientSampleId :
TP-3-S

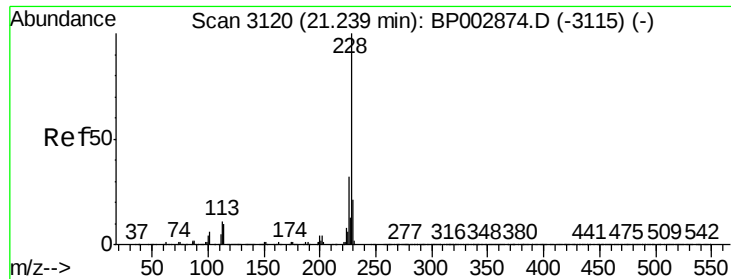
Tot Ion:149 Resp: 8699
Ion Ratio Lower Upper
149 100
91 91.5 60.5 90.7#
206 21.2 17.5 26.3



#81
Benzo(a)anthracene
Concen: 5.501 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:228 Resp: 1020813
Ion Ratio Lower Upper
228 100
226 28.5 23.3 34.9
229 20.6 16.9 25.3





#83

Chrysene

Concen: 4.684 ng

RT: 21.23 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

Instrument :

BNA_P

ClientSampled :

TP-3-S

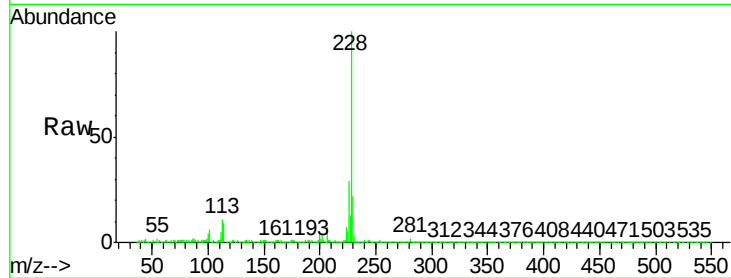
Tot Ion:228 Resp: 820025

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.5	38.3
229	22.2	16.7	25.1

228 100

226 29.2 25.5 38.3

229 22.2 16.7 25.1

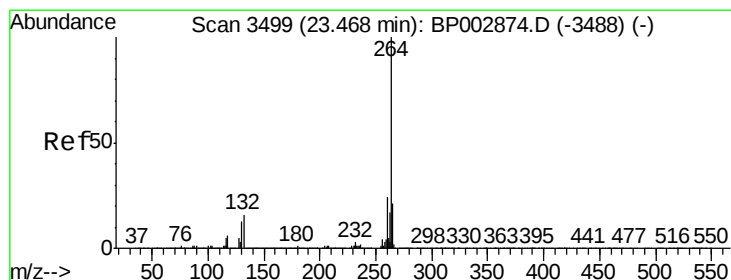
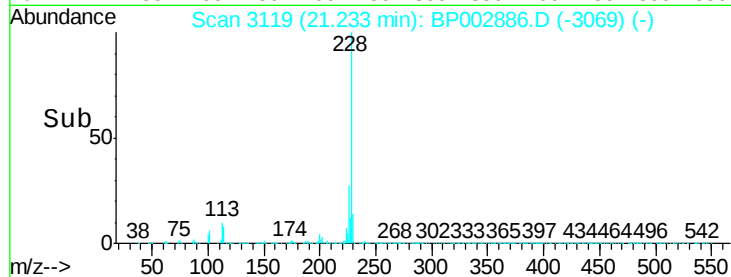
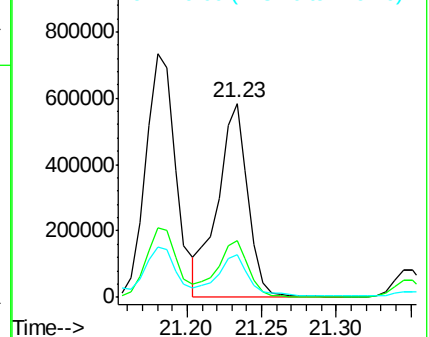


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.46 min Scan# 3498

Delta R.T. -0.01 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

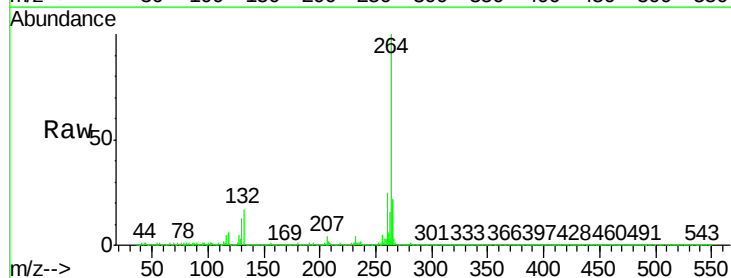
Tgt Ion:264 Resp: 2778217

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.0	28.6
265	22.2	17.0	25.4

264 100

260 24.6 19.0 28.6

265 22.2 17.0 25.4

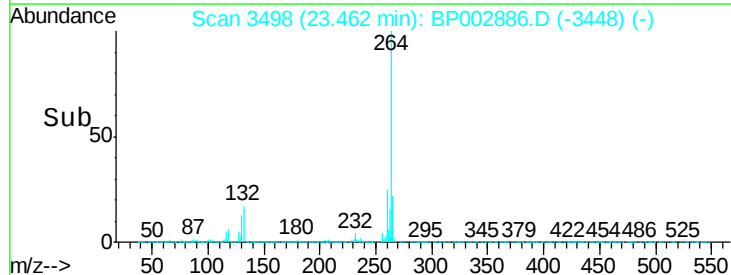
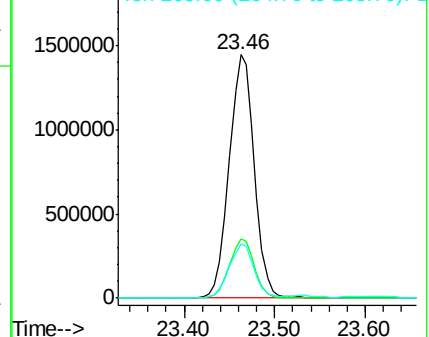


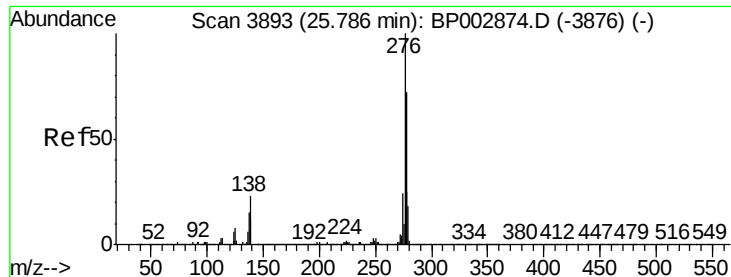
Abundance

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

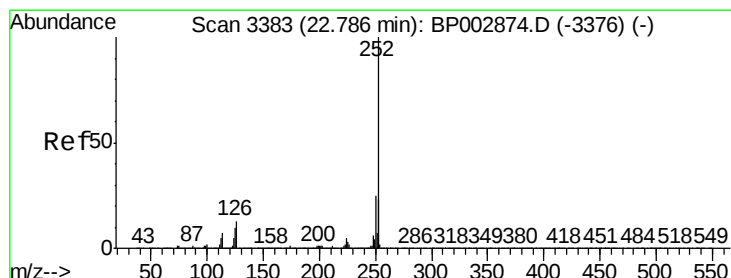
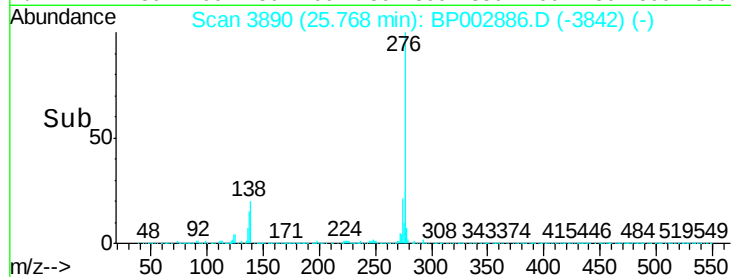
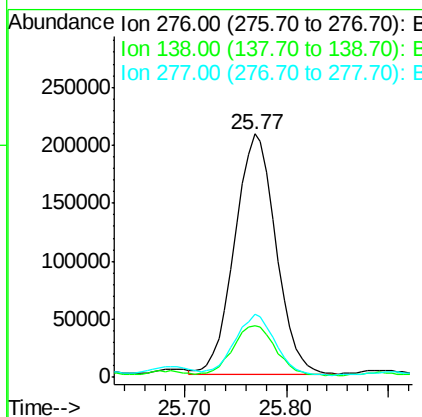
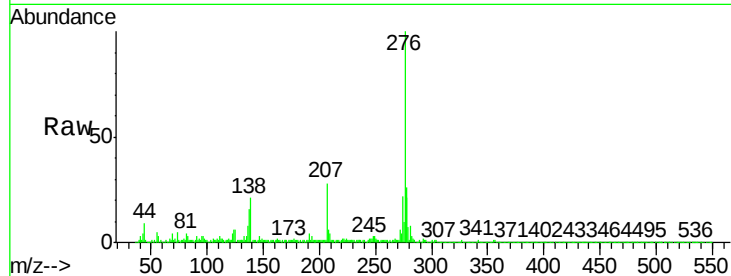




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.630 ng
 RT: 25.77 min Scan# 3890
 Delta R.T. -0.02 min
 Lab File: BP002886.D
 Acq: 30 Jul 2020 20:42

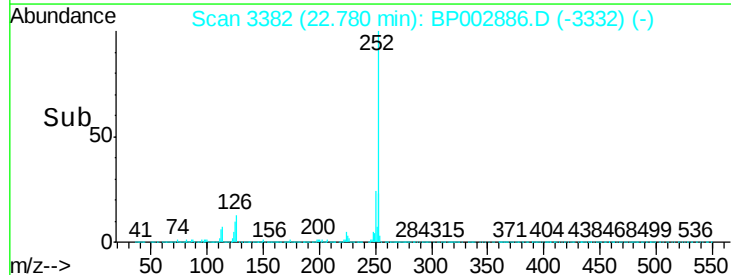
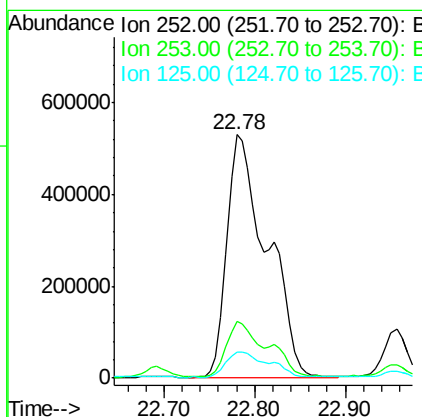
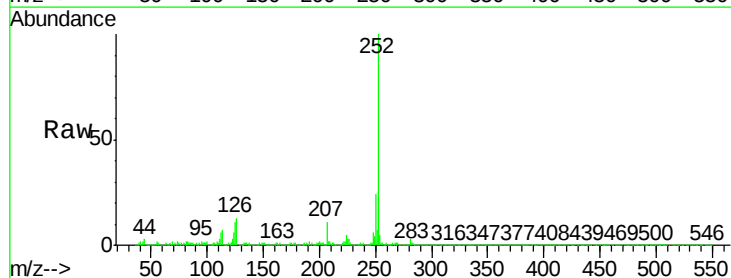
Instrument :
 BNA_P
 ClientSampled :
 TP-3-S

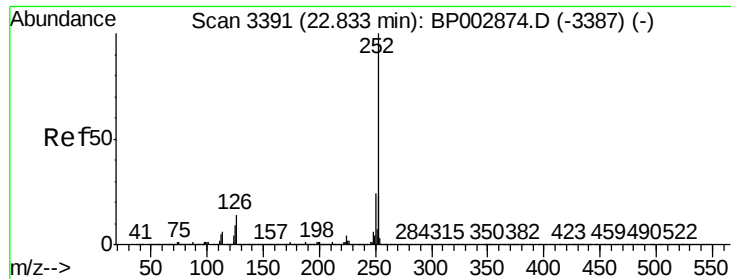
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	19.3	28.9
277	24.5	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 8.304 ng
 RT: 22.78 min Scan# 3382
 Delta R.T. -0.01 min
 Lab File: BP002886.D
 Acq: 30 Jul 2020 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.3	27.5
125	10.6	7.8	11.8

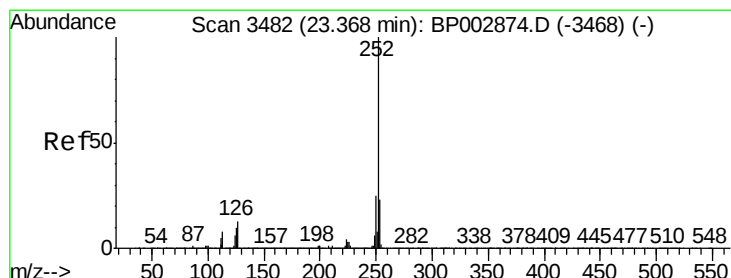
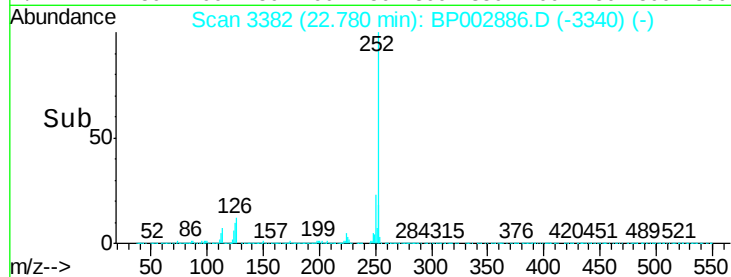
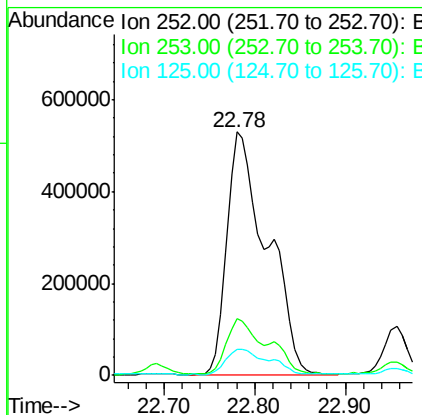
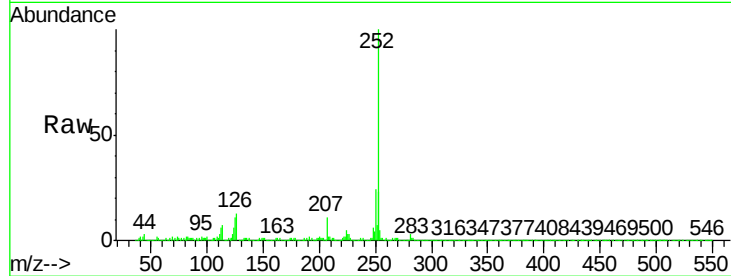




#89
Benzo(k)fluoranthene
Concen: 8.786 ng
RT: 22.78 min Scan# 3382
Delta R.T. -0.05 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

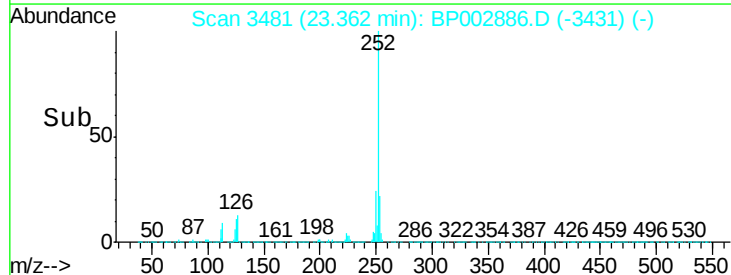
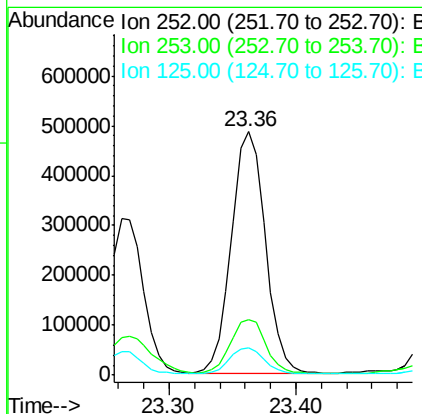
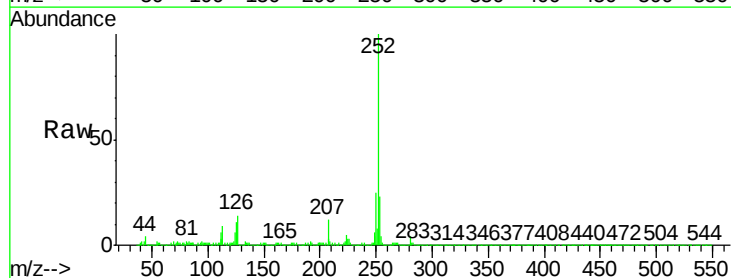
Instrument :
BNA_P
ClientSampleId :
TP-3-S

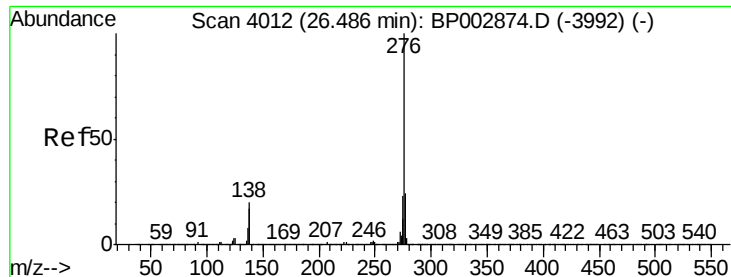
Tot Ion:252 Resp: 1628004
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 10.6 7.5 11.3



#90
Benzo(a)pyrene
Concen: 5.106 ng
RT: 23.36 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BP002886.D
Acq: 30 Jul 2020 20:42

Tgt Ion:252 Resp: 904510
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 11.4 8.3 12.5





#92

Benzo(a,h,i)perylene

Concen: 3.313 ng

RT: 26.47 min Scan# 4009

Delta R.T. -0.02 min

Lab File: BP002886.D

Acq: 30 Jul 2020 20:42

Instrument :

BNA_P

ClientSampleId :

TP-3-S

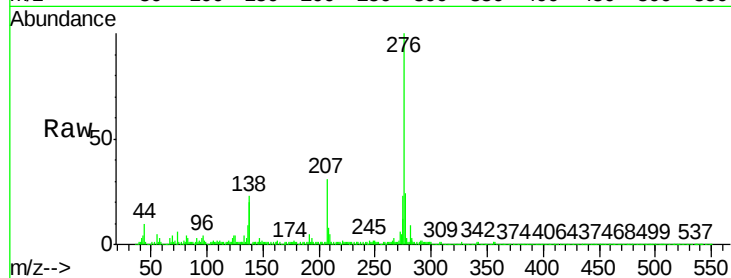
Tot Ion:276 Resp: 606639

Ion Ratio Lower Upper

276 100

277 23.9 19.3 28.9

138 22.5 16.2 24.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

