

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081420\
 Data File : BP002980.D
 Acq On : 14 Aug 2020 12:22
 Operator : CG/JU
 Sample : L3648-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 14 13:02:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 11 17:14:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	321248	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	1240689	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	684236	20.00	ng	-0.01
64) Phenanthrene-d10	17.08	188	1367179	20.00	ng	-0.01
76) Chrysene-d12	21.17	240	1342814	20.00	ng	0.00
86) Perylene-d12	23.42	264	1465839	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1385171	65.99	ng	0.00
7) Phenol-d6	6.86	99	1143723	39.25	ng	-0.02
23) Nitrobenzene-d5	8.83	82	1752993	76.53	ng	-0.01
42) 2,4,6-Tribromophenol	15.82	330	1045887	122.98	ng	-0.01
45) 2-Fluorobiphenyl	12.95	172	4405914	87.98	ng	-0.01
79) Terphenyl-d14	19.66	244	5389285	80.35	ng	0.00

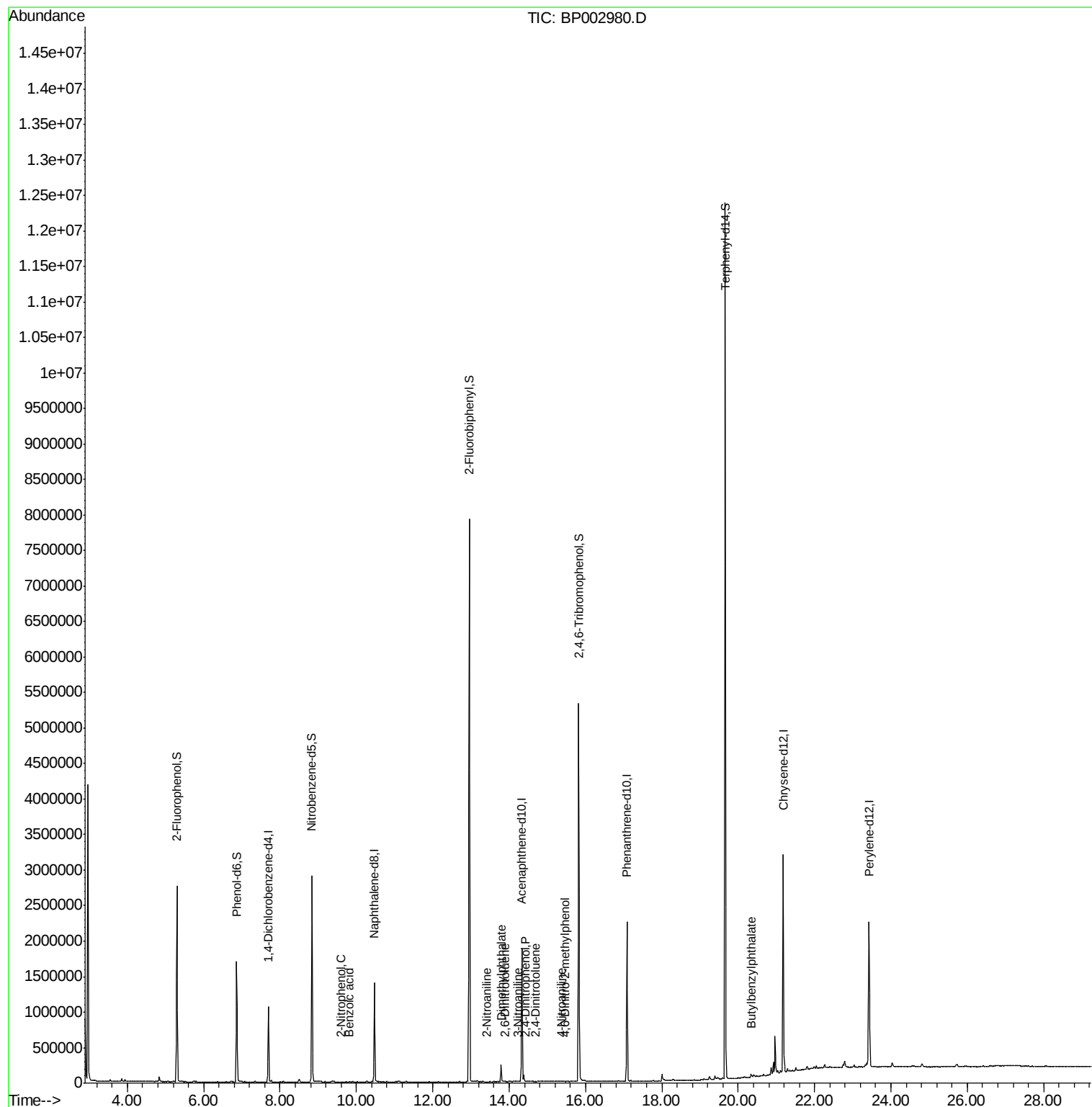
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	9.59	139	40	4.524	ng	# 1
32) Benzoic acid	9.82	122	278	7.706	ng	95
48) 2-Nitroaniline	13.40	65	155	3.984	ng	# 22
50) Dimethylphthalate	13.79	163	178902	3.343	ng	98
51) 2,6-Dinitrotoluene	13.89	165	899	2.969	ng	# 58
53) 3-Nitroaniline	14.23	138	192	3.288	ng	# 1
54) 2,4-Dinitrophenol	14.43	184	56	8.067	ng	# 1
57) 2,4-Dinitrotoluene	14.69	165	238	3.820	ng	# 42
62) 4-Nitroaniline	15.36	138	112	2.425	ng	# 43
65) 4,6-Dinitro-2-methylphenol	15.45	198	19	6.903	ng	# 1
80) Butylbenzylphthalate	20.34	149	8365	3.263	ng	96

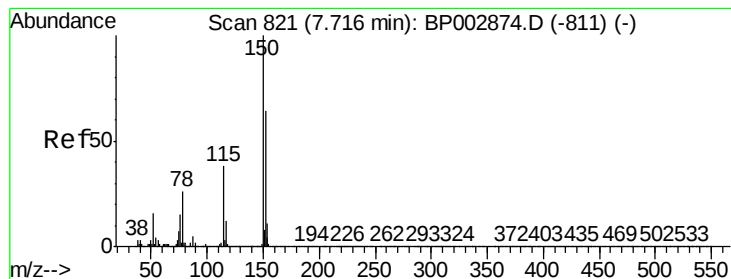
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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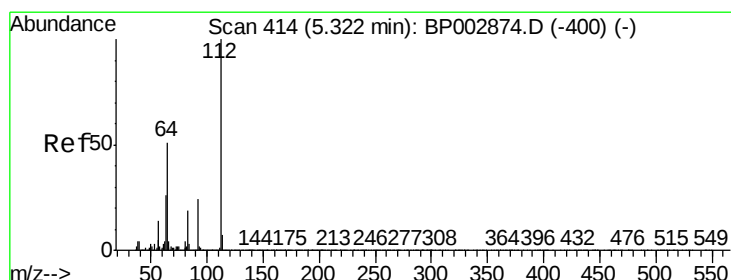
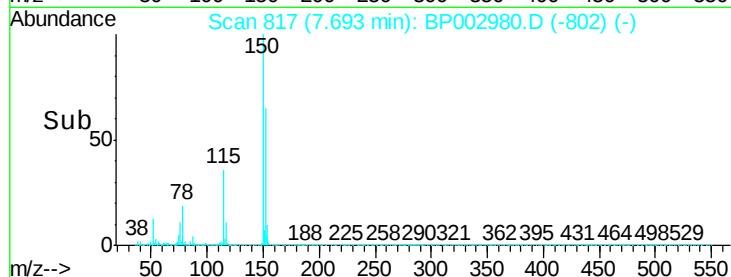
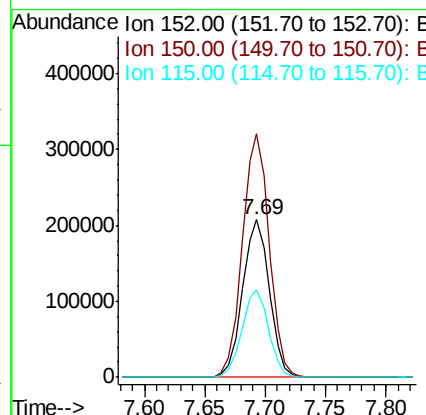
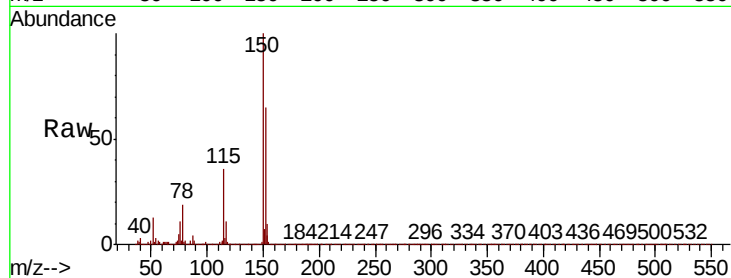


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.69 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BP002980.D
 Acq: 14 Aug 2020 12:22

Instrument :
 BNA_P
 ClientSampleId :

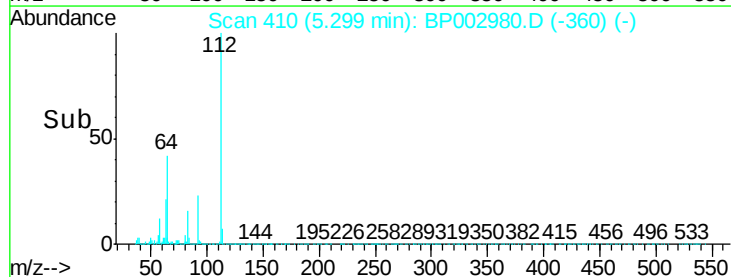
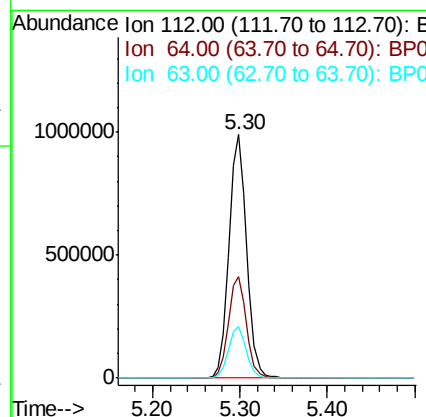
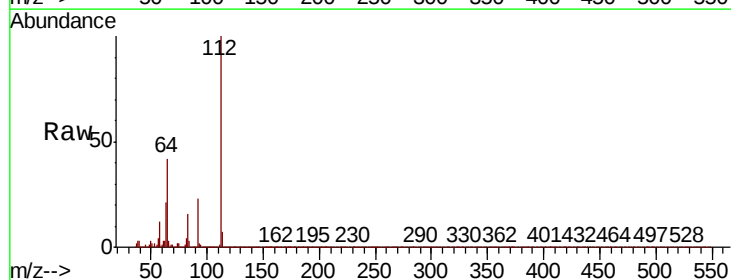
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.2	186.4
115	55.4	42.1	63.1

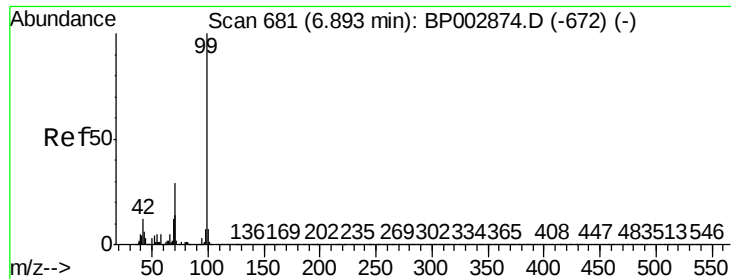


#5

2-Fluorophenol
 Concen: 65.993 ng
 RT: 5.30 min Scan# 410
 Delta R.T. -0.01 min
 Lab File: BP002980.D
 Acq: 14 Aug 2020 12:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.9	33.8	50.8
63	21.3	17.2	25.8





#7

Phenol-d6

Concen: 39.247 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.02 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

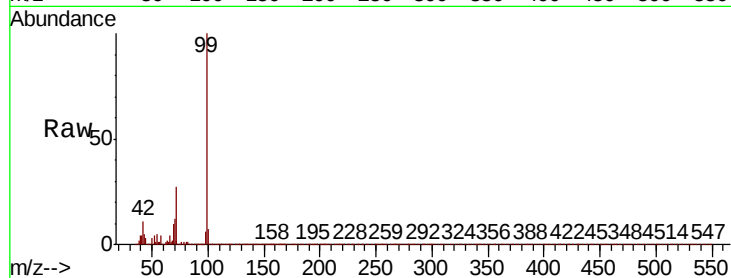
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1143723

Ion	Ratio	Lower	Upper
99	100		
42	10.6	8.1	12.1
71	26.8	21.0	31.4

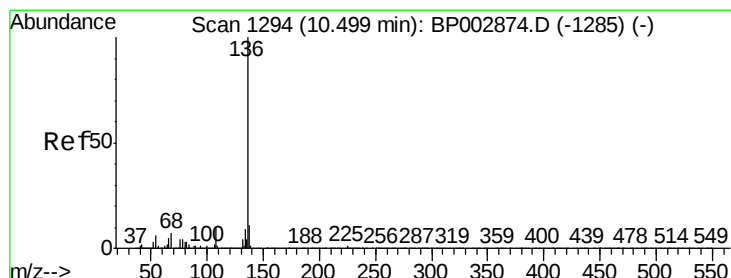
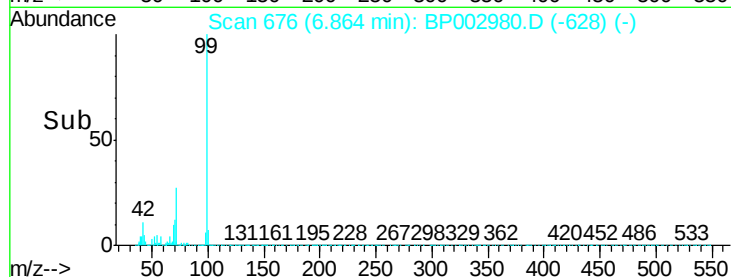
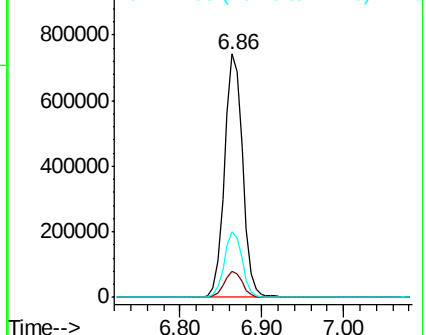


Abundance

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: 10.47 min Scan# 1289

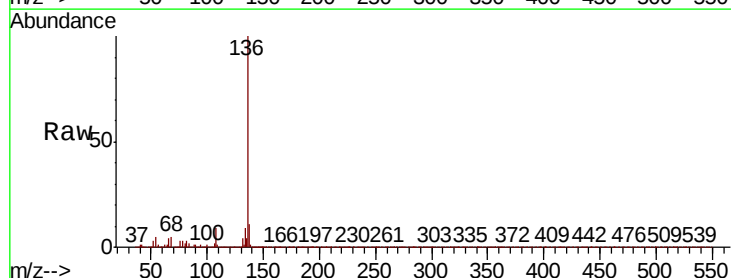
Delta R.T. -0.01 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

Tgt Ion: 136 Resp: 1240689

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	4.9	3.9	5.9
68	4.8	3.8	5.8



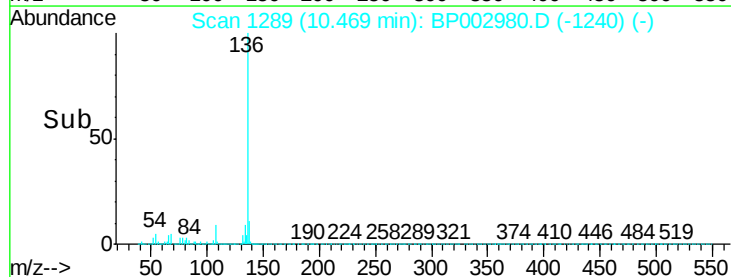
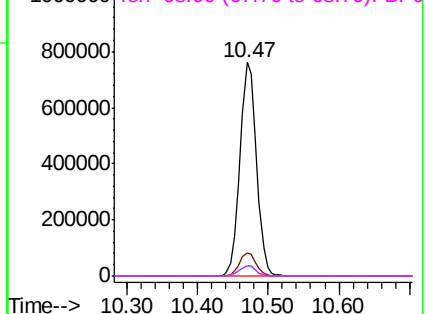
Abundance

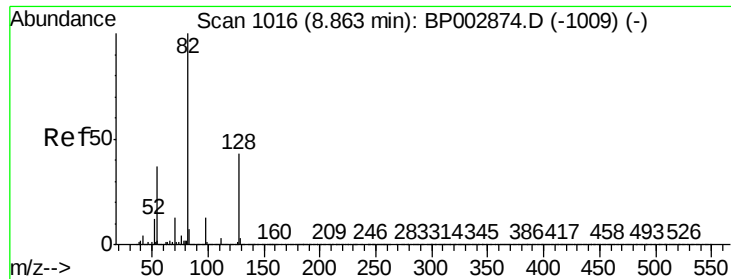
Ion 136.00 (135.70 to 136.70): E

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

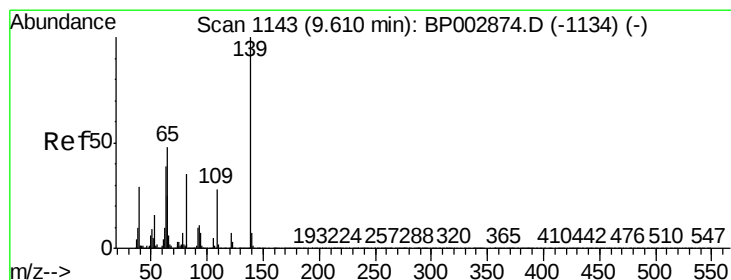
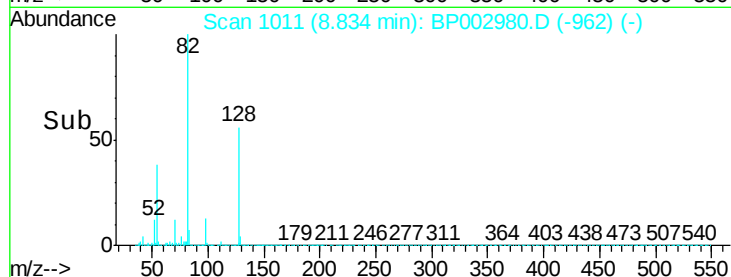
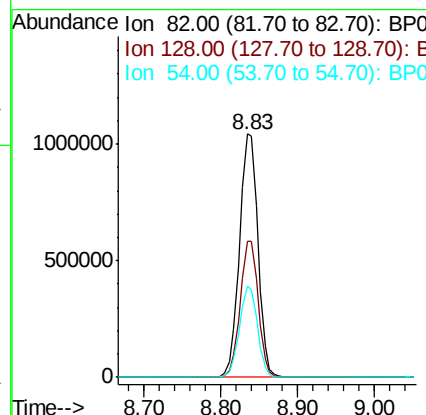
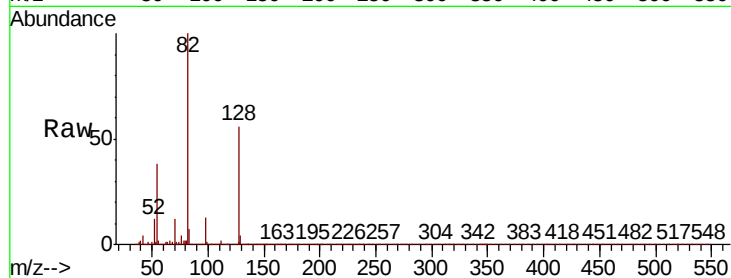




#23
Nitrobenzene-d5
Concen: 76.527 ng
RT: 8.83 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

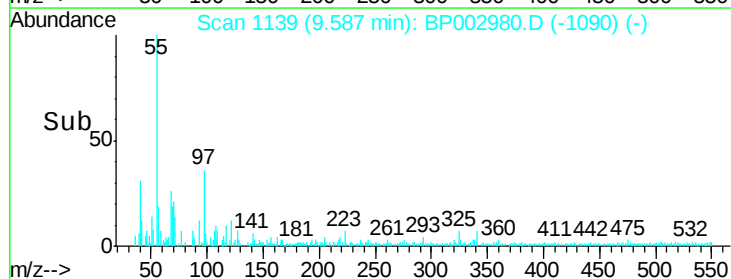
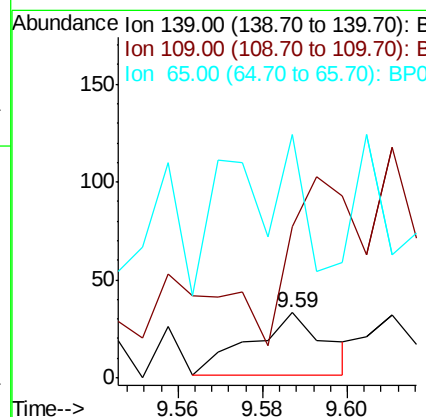
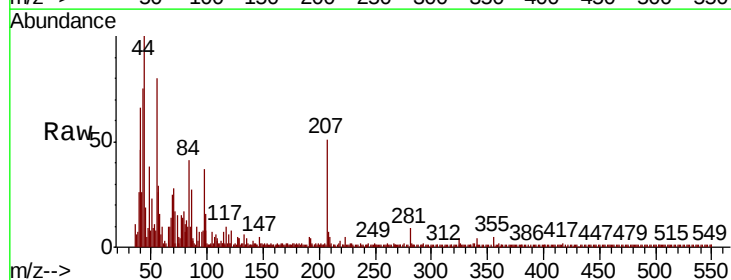
Instrument :
BNA_P
ClientSampleId :

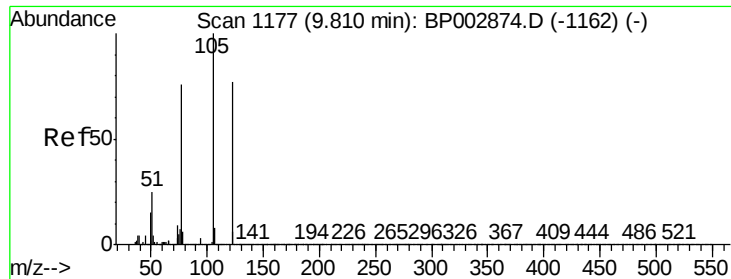
Tot Ion: 82 Resp: 1752993
Ion Ratio Lower Upper
82 100
128 55.8 44.6 66.8
54 37.5 29.2 43.8



#26
2-Nitrophenol
Concen: 4.524 ng
RT: 9.59 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

Tgt Ion:139 Resp: 40
Ion Ratio Lower Upper
139 100
109 233.3 19.5 29.3#
65 375.8 26.6 40.0#

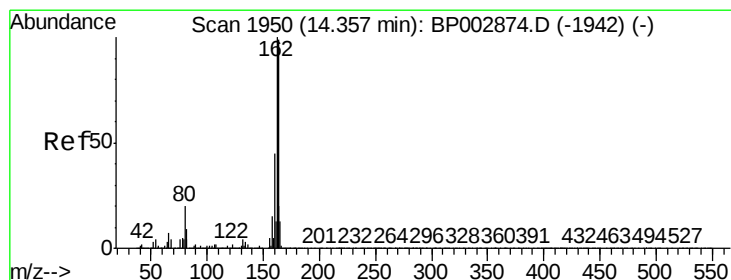
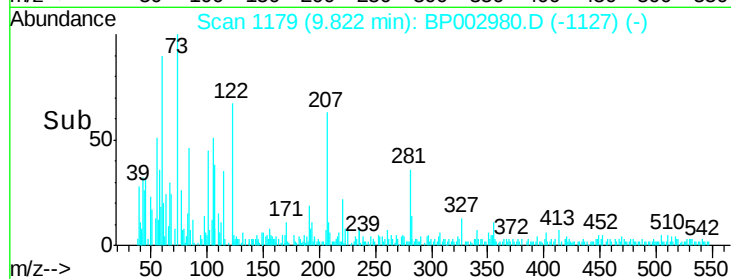
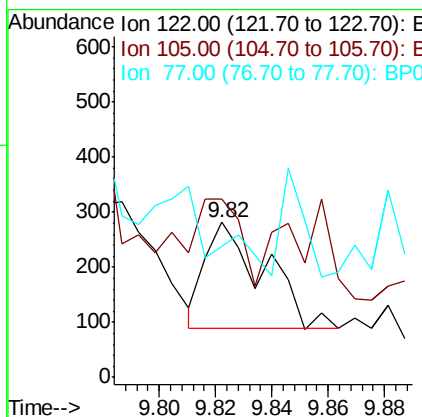
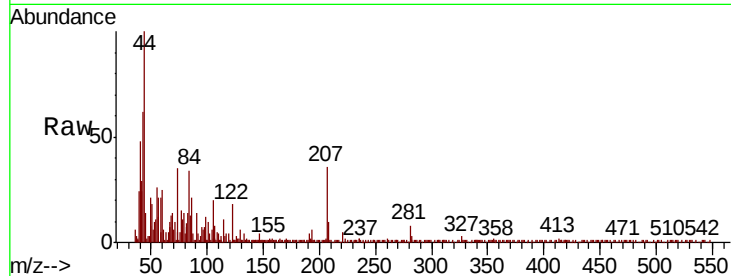




#32
Benzoic acid
Concen: 7.706 ng
RT: 9.82 min Scan# 1179
Delta R.T. 0.01 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

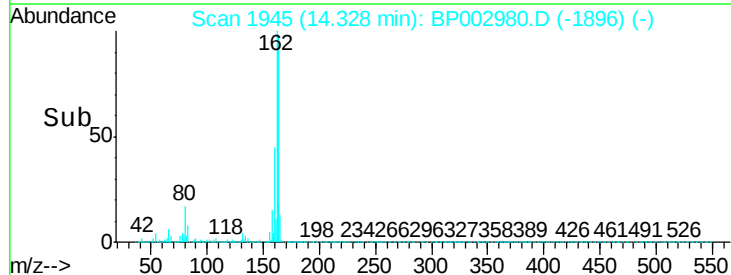
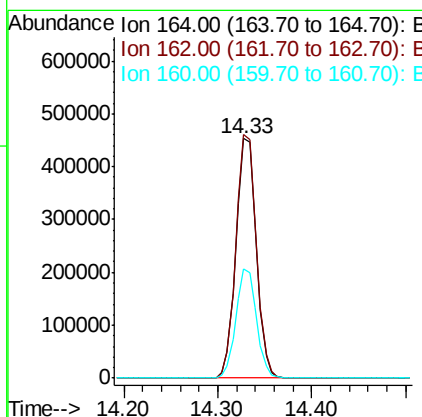
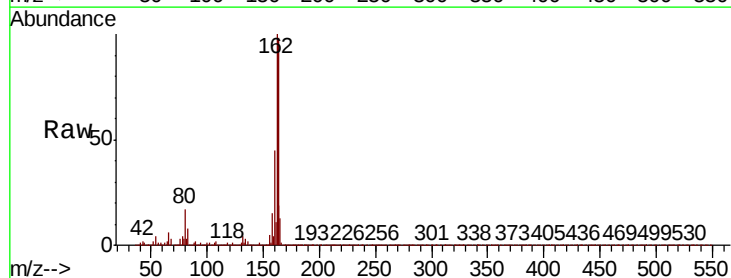
Instrument :
BNA_P
ClientSampled :

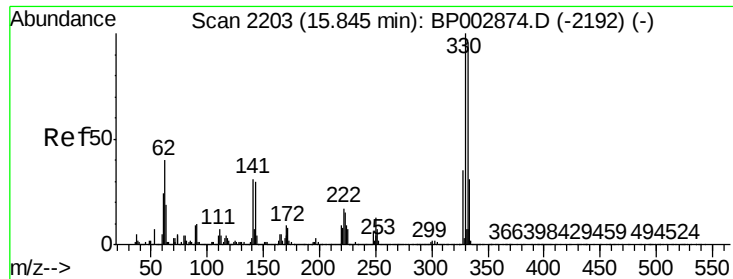
Tot Ion	Ratio	Lower	Upper
122	100		
105	114.9	95.8	135.8
77	84.4	54.7	94.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.0	121.4
160	45.4	36.2	54.4



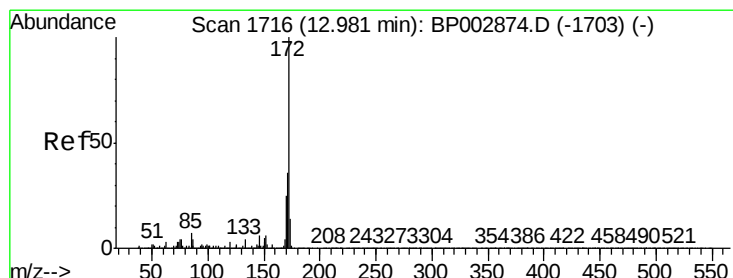
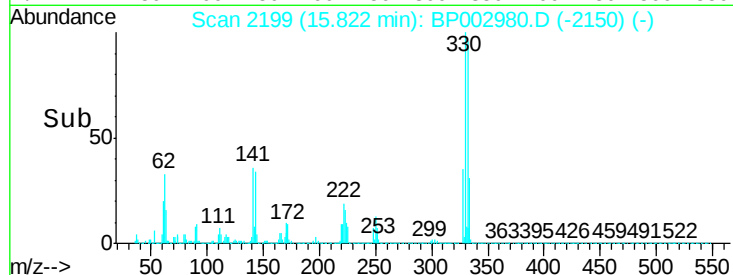
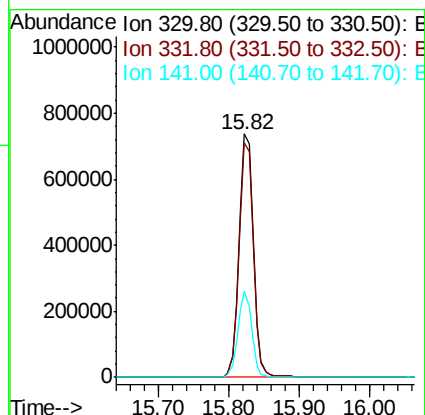
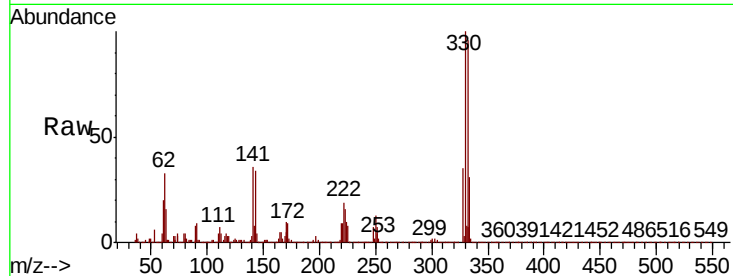


#42
 2,4,6-Tribromophenol
 Concen: 122.984 ng
 RT: 15.82 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BP002980.D
 Acq: 14 Aug 2020 12:22

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:330 Resp: 1045887

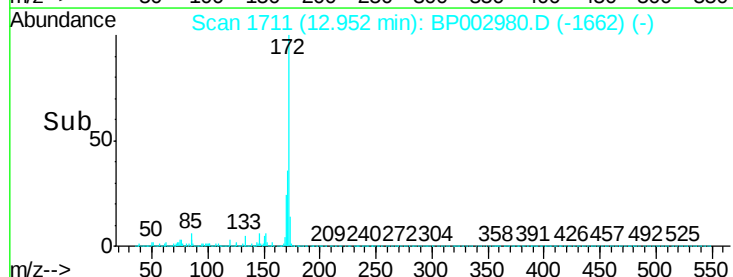
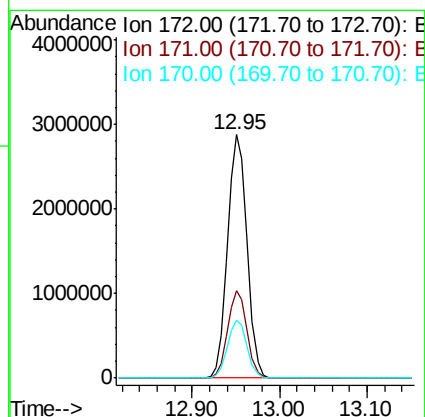
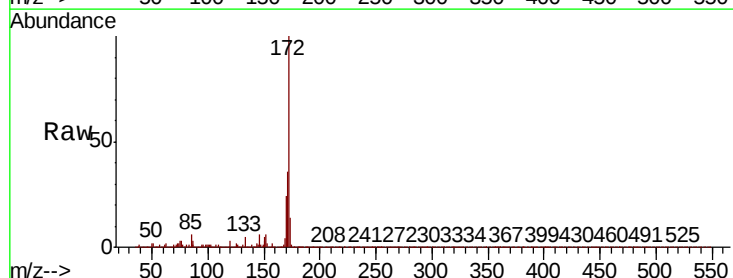
Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.4
141	34.1	28.6	43.0

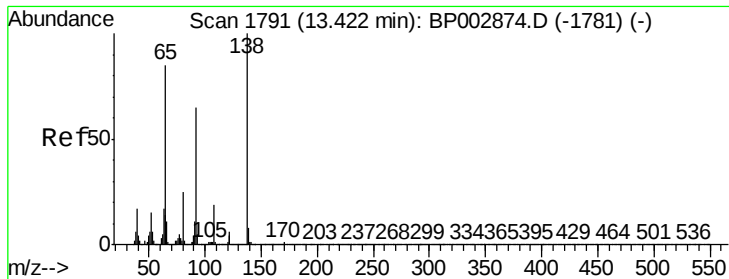


#45
 2-Fluorobiphenyl
 Concen: 87.978 ng
 RT: 12.95 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BP002980.D
 Acq: 14 Aug 2020 12:22

Tgt Ion:172 Resp: 4405914

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.9	19.6	29.4

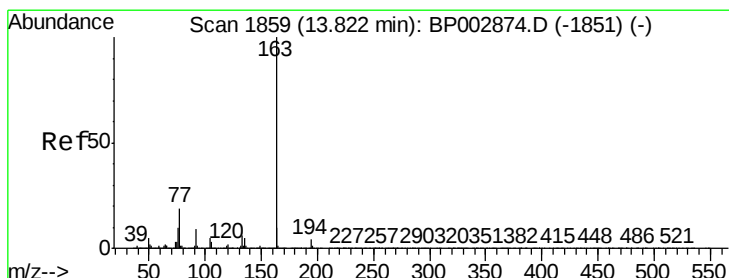
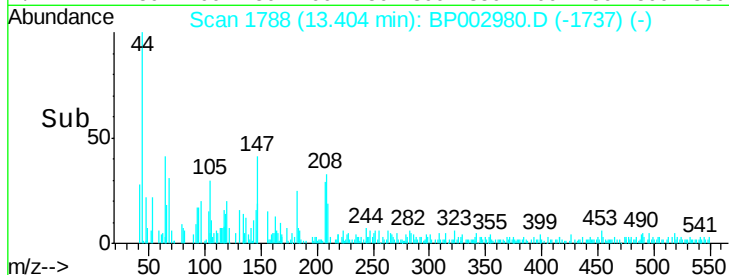
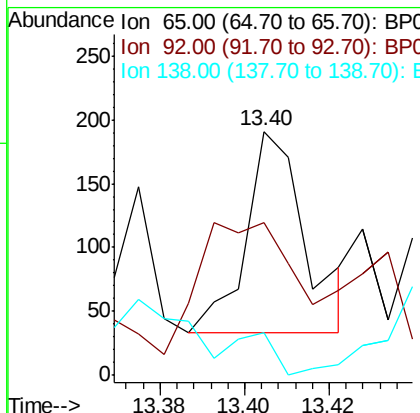
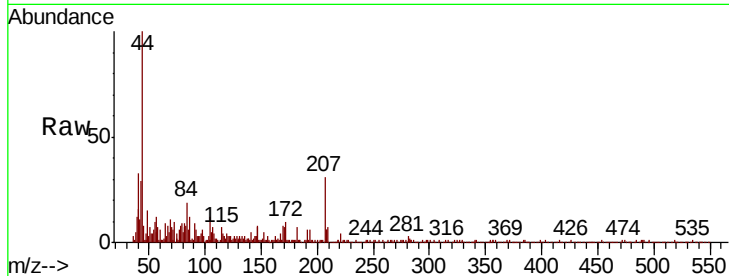




#48
2-Nitroaniline
Concen: 3.984 ng
RT: 13.40 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

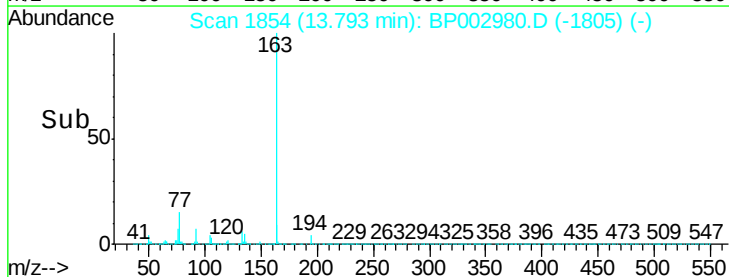
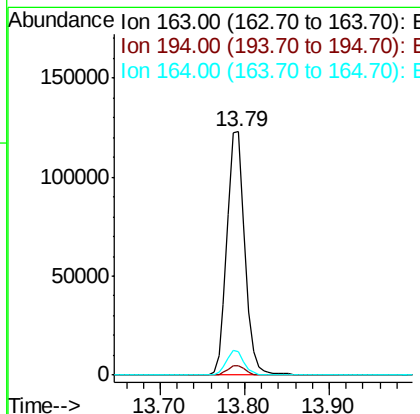
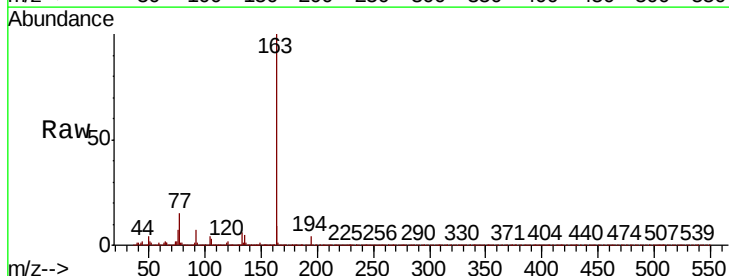
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ClientSampled :

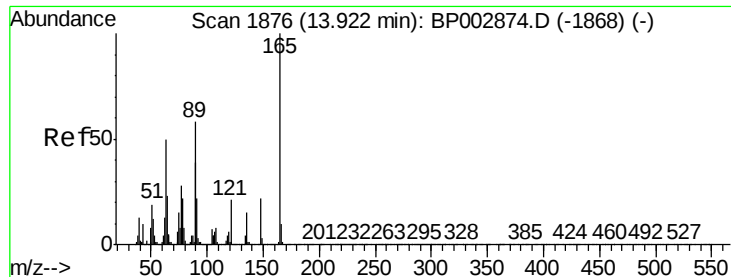
Tot Ion: 65 Resp: 155
Ion Ratio Lower Upper
65 100
92 62.3 69.6 104.4#
138 17.3 125.6 188.4#



#50
Dimethylphthalate
Concen: 3.343 ng
RT: 13.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

Tgt Ion: 163 Resp: 178902
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.4 8.2 12.4

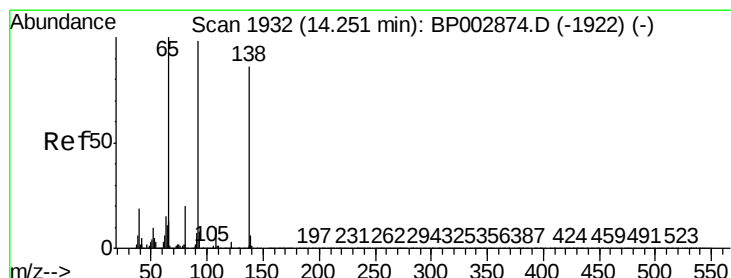
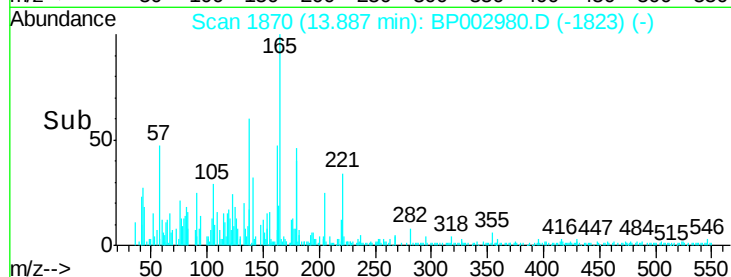
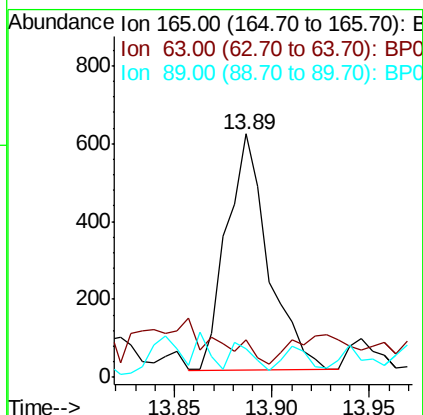
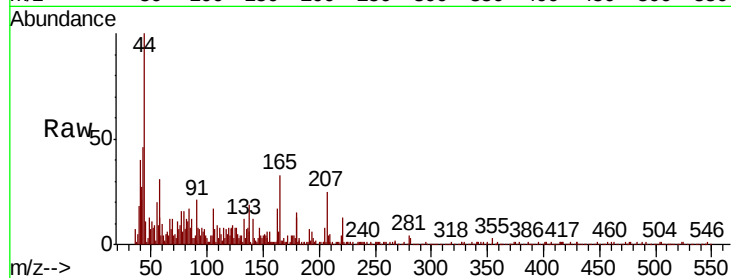




#51
2,6-Dinitrotoluene
Concen: 2.969 ng
RT: 13.89 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

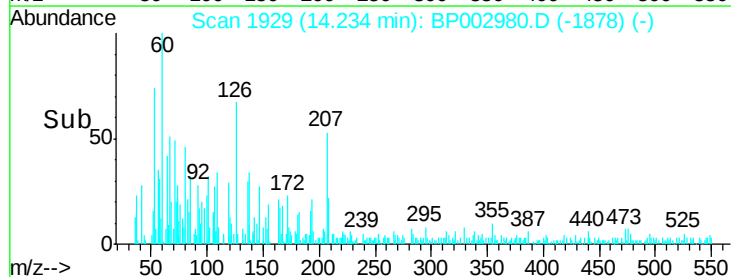
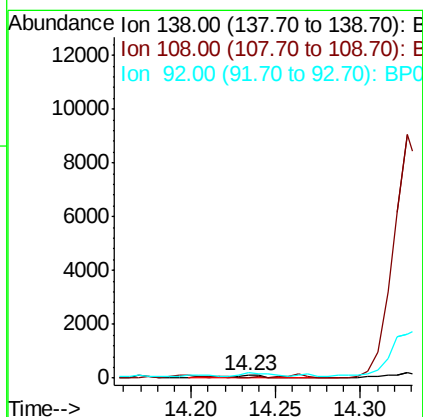
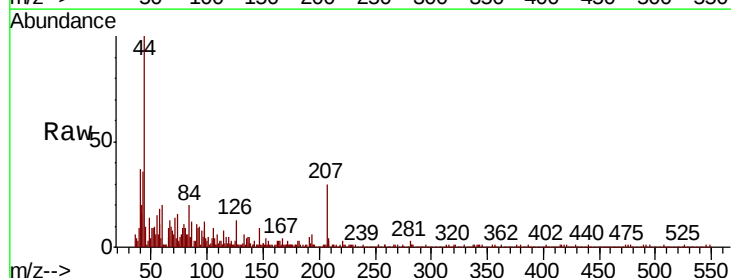
Instrument :
BNA_P
ClientSampleId :

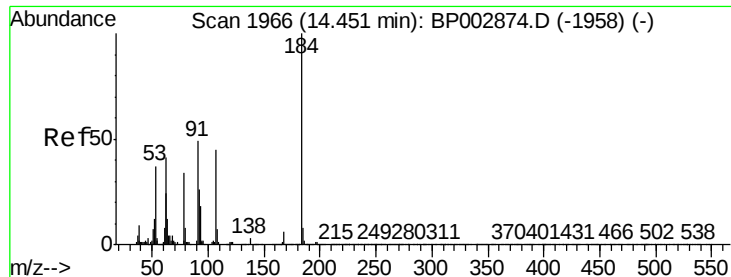
Tot Ion	Ratio	Lower	Upper
165	100		
63	15.5	27.5	41.3#
89	11.8	35.3	52.9#



#53
3-Nitroaniline
Concen: 3.288 ng
RT: 14.23 min Scan# 1929
Delta R.T. 0.00 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

Tgt Ion	Ratio	Lower	Upper
138	100		
108	23.8	7.2	10.8#
92	197.0	75.8	113.6#

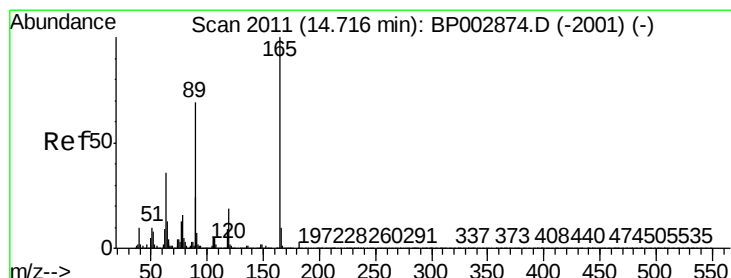
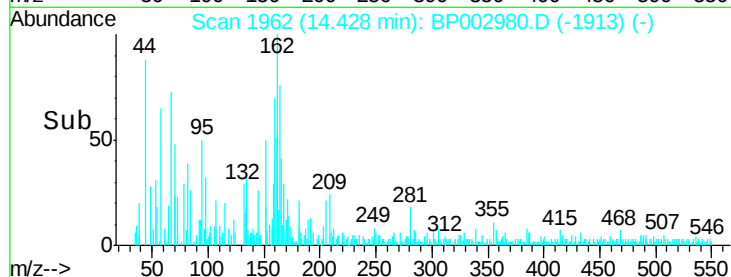
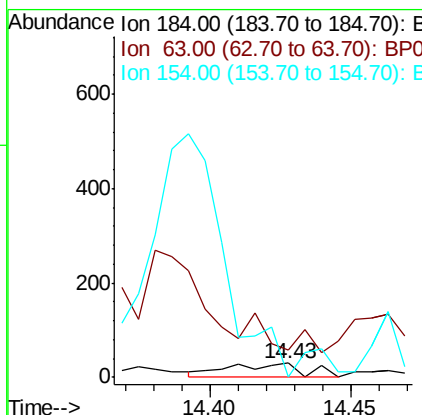
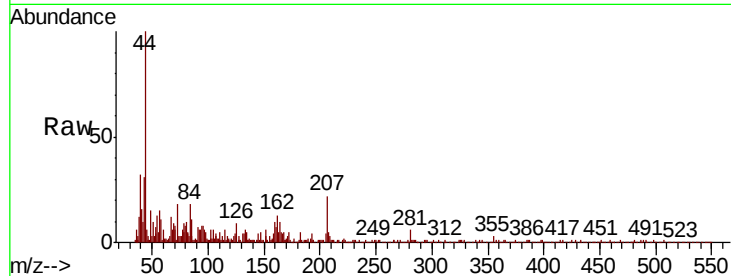




#54
2,4-Dinitrophenol
Concen: 8.067 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

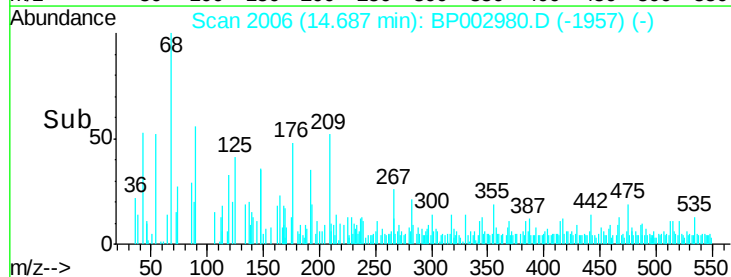
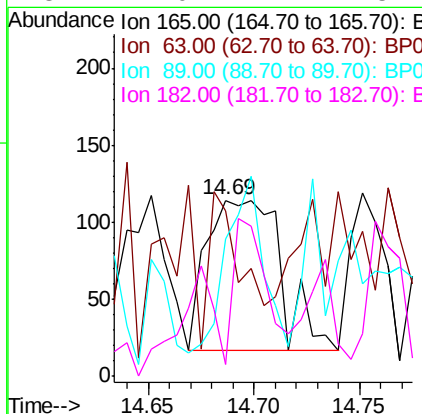
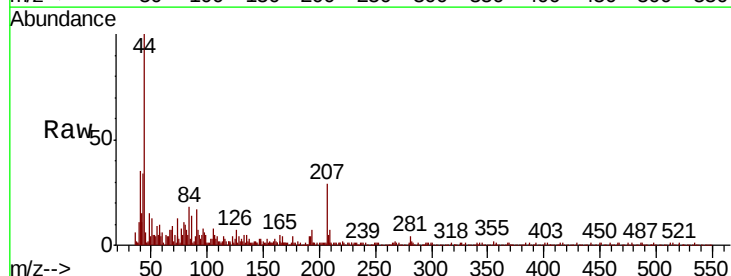
Instrument :
BNA_P
ClientSampleId :

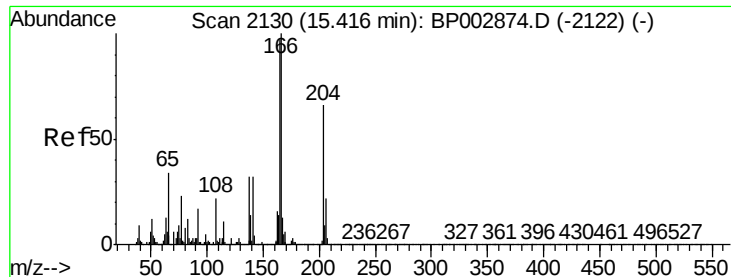
Tot Ion:184 Resp: 56
Ion Ratio Lower Upper
184 100
63 238.7 36.4 54.6#
154 0.0 46.6 69.8#



#57
2,4-Dinitrotoluene
Concen: 3.820 ng
RT: 14.69 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BP002980.D
Acq: 14 Aug 2020 12:22

Tgt Ion:165 Resp: 238
Ion Ratio Lower Upper
165 100
63 93.9 22.6 34.0#
89 78.1 46.2 69.2#
182 7.0 2.2 3.4#





#62

4-Nitroaniline

Concen: 2.425 ng

RT: 15.36 min Scan# 2121

Delta R.T. -0.04 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

Instrument :

BNA_P

ClientSampleId :

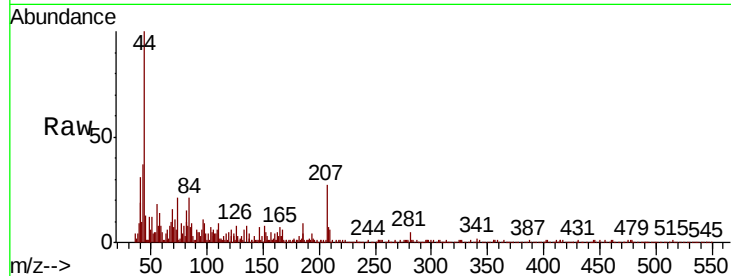
Tot Ion:138 Resp: 112

Ion Ratio Lower Upper

138 100

92 99.2 21.2 61.2#

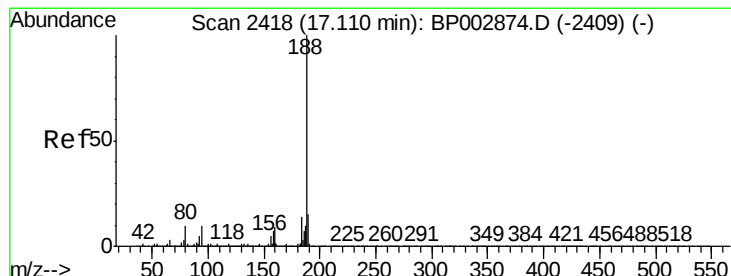
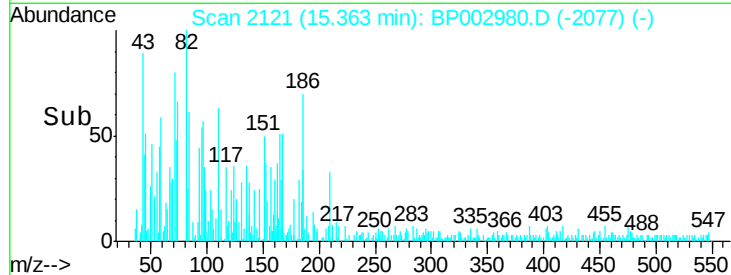
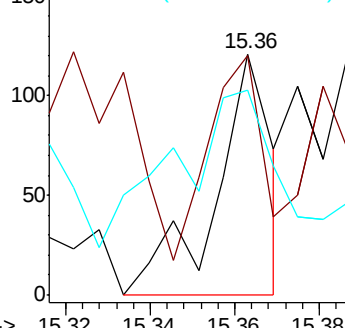
108 85.1 40.5 80.5#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

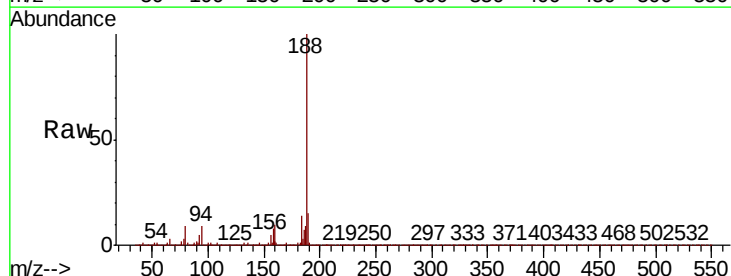
Tgt Ion:188 Resp: 1367179

Ion Ratio Lower Upper

188 100

94 9.2 7.0 10.6

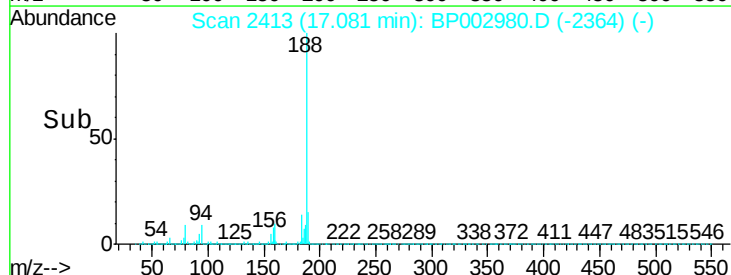
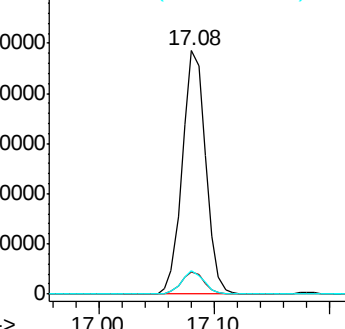
80 9.4 7.0 10.6

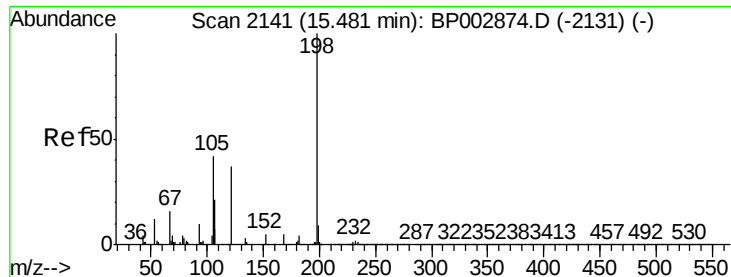


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.903 ng

RT: 15.45 min Scan# 2135

Delta R.T. -0.02 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

Instrument :

BNA_P

ClientSampleId :

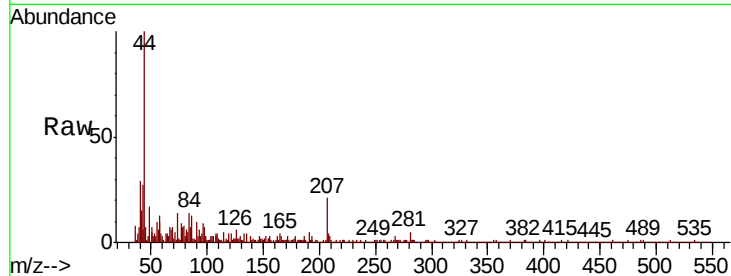
Tot Ion:198 Resp: 19

Ion Ratio Lower Upper

198 100

51 760.0 6.5 46.5#

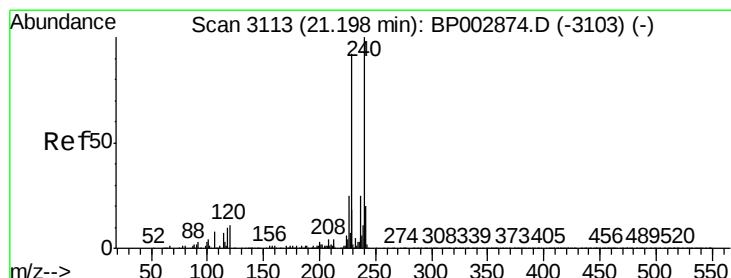
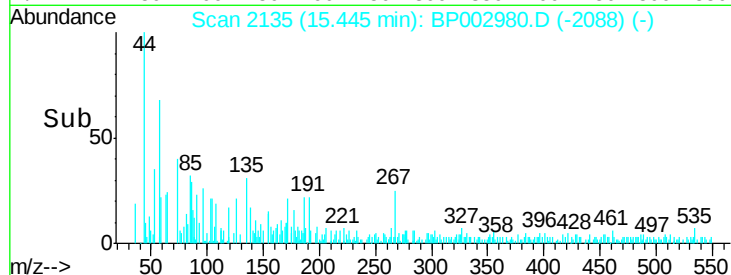
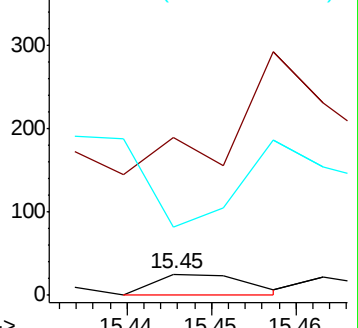
105 328.0 20.4 60.4#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

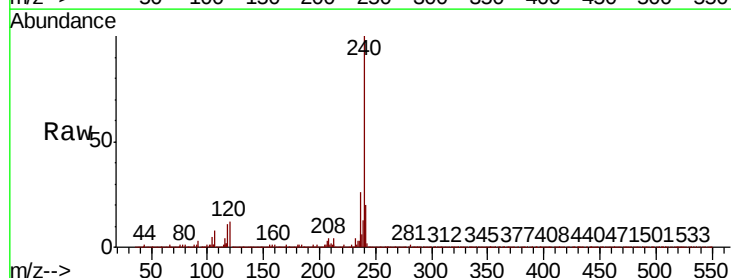
Tgt Ion:240 Resp: 1342814

Ion Ratio Lower Upper

240 100

120 12.3 10.6 16.0

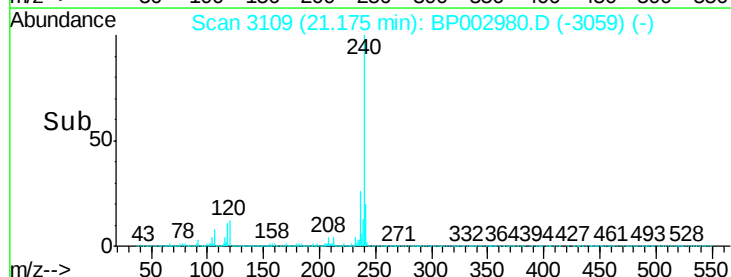
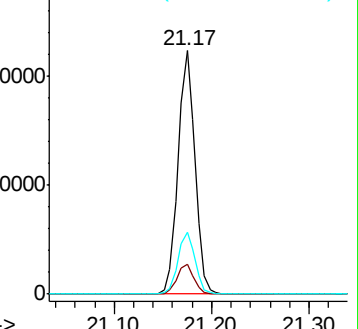
236 25.6 20.7 31.1

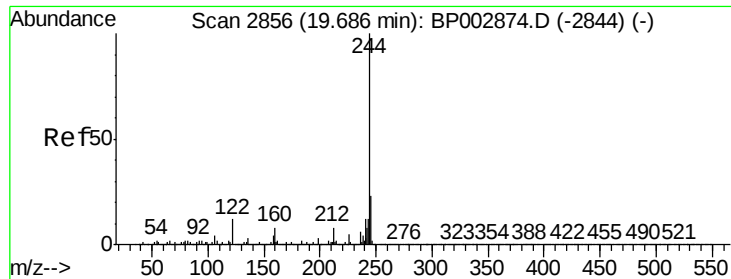


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 80.347 ng

RT: 19.66 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

Instrument :

BNA_P

ClientSampleId :

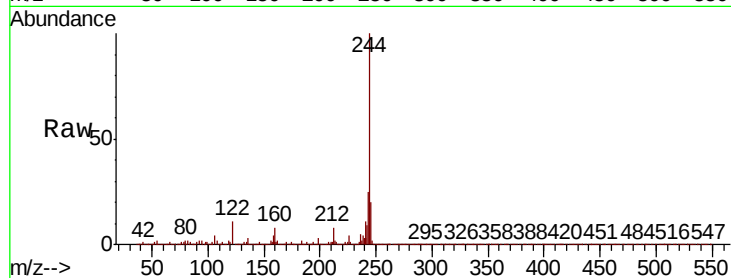
Tot Ion:244 Resp: 5389285

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

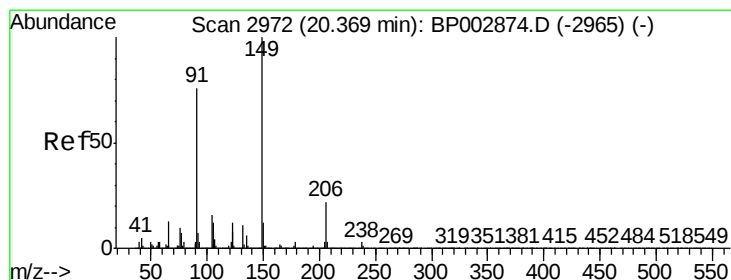
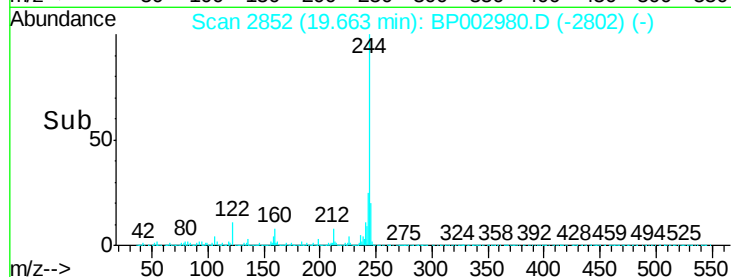
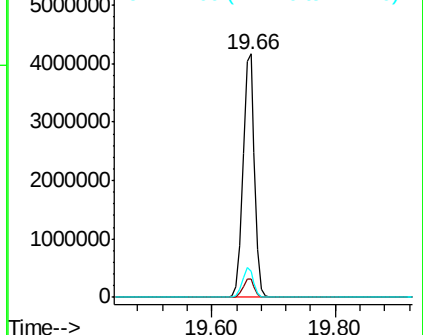
122 10.9 9.9 14.9



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: 3.263 ng

RT: 20.34 min Scan# 2967

Delta R.T. -0.01 min

Lab File: BP002980.D

Acq: 14 Aug 2020 12:22

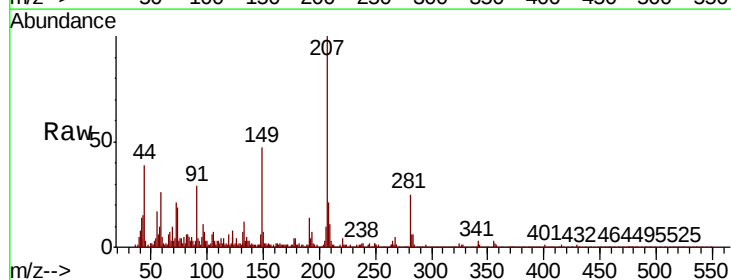
Tgt Ion:149 Resp: 8365

Ion Ratio Lower Upper

149 100

91 61.8 46.5 69.7

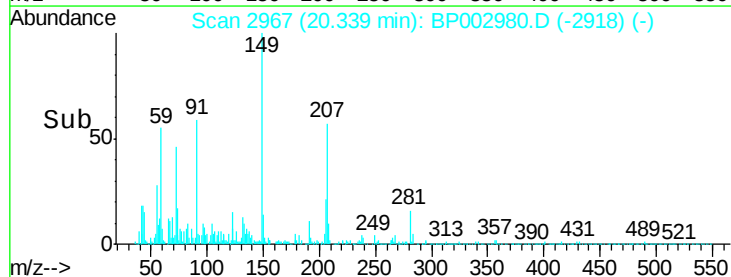
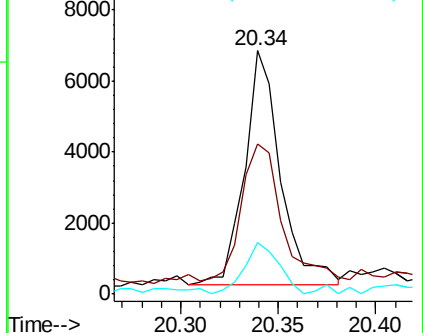
206 21.3 17.2 25.8

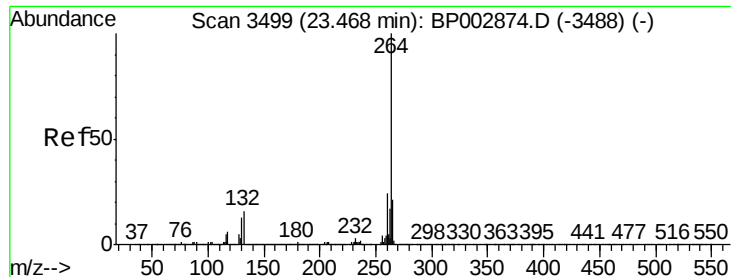


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.42 min Scan# 3491
 Delta R.T. -0.01 min
 Lab File: BP002980.D
 Acq: 14 Aug 2020 12:22

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion: 264 Resp: 1465839
 Ion Ratio Lower Upper
 264 100
 260 24.1 18.7 28.1
 265 21.4 17.6 26.4

