

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP073020\
 Data File : BP002881.D
 Acq On : 30 Jul 2020 17:50
 Operator : CG/JU
 Sample : L3180-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-072920

Quant Time: Jul 31 00:43:52 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	457639	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	1732899	20.00	ng	0.00
39) Acenaphthene-d10	14.35	164	963992	20.00	ng	0.00
64) Phenanthrene-d10	17.10	188	1891593	20.00	ng	0.00
76) Chrysene-d12	21.20	240	1838278	20.00	ng	0.00
86) Perylene-d12	23.46	264	2046753	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	3115083	104.18	ng	0.00
7) Phenol-d6	6.89	99	3505621	84.44	ng	0.00
23) Nitrobenzene-d5	8.86	82	2714365	84.84	ng	0.00
42) 2,4,6-Tribromophenol	15.85	330	1382209	115.36	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	5802636	82.24	ng	0.00
79) Terphenyl-d14	19.68	244	7441466	81.04	ng	0.00

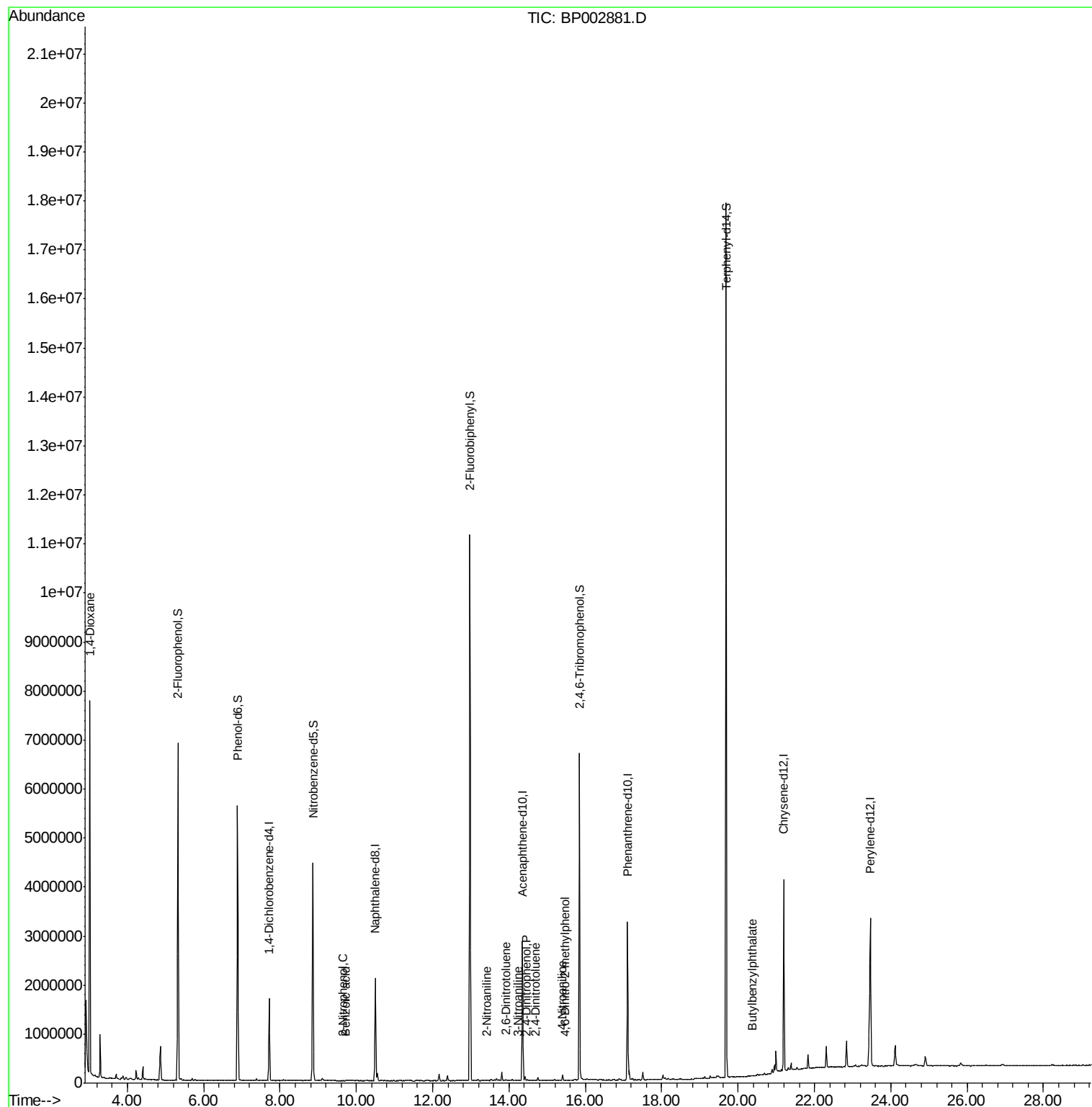
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.02	88	57996	4.518	ng	# 1
26) 2-Nitrophenol	9.65	139	44	4.523	ng	# 1
32) Benzoic acid	9.72	122	4646	7.928	ng	95
48) 2-Nitroaniline	13.41	65	68	3.976	ng	# 50
51) 2,6-Dinitrotoluene	13.91	165	585	2.932	ng	# 18
53) 3-Nitroaniline	14.25	138	85	3.278	ng	# 1
54) 2,4-Dinitrophenol	14.45	184	65	8.065	ng	# 1
57) 2,4-Dinitrotoluene	14.70	165	108	3.810	ng	# 68
62) 4-Nitroaniline	15.40	138	1337	2.489	ng	# 69
65) 4,6-Dinitro-2-methylphenol	15.46	198	55	6.905	ng	# 1
80) Butylbenzylphthalate	20.37	149	2830	3.109	ng	92

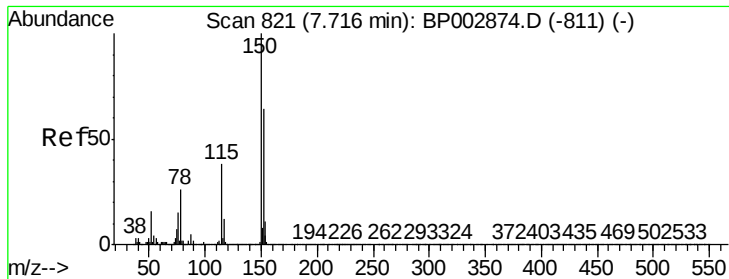
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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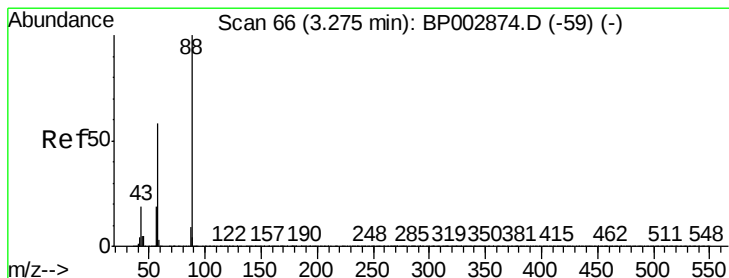
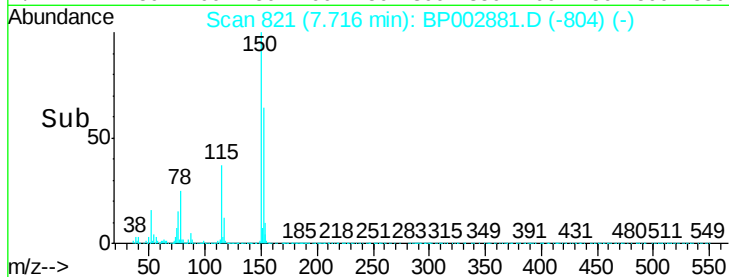
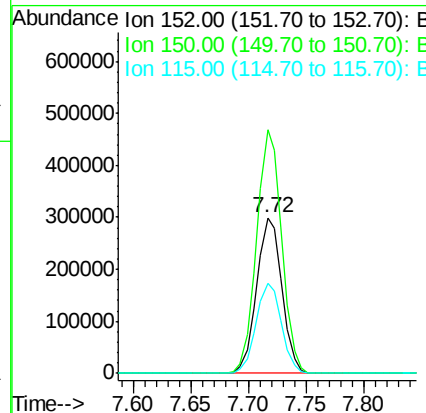
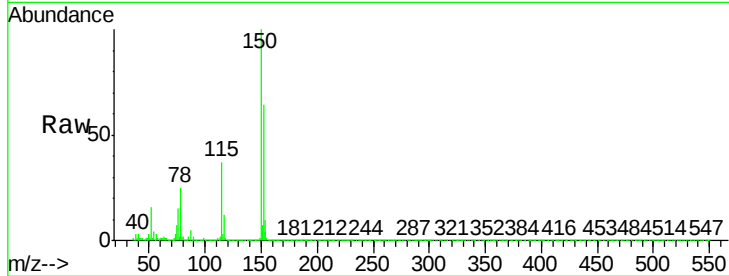


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 821
Delta R.T. -0.00 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Instrument :
BNA_P
ClientSampleId :
HD-02-072920

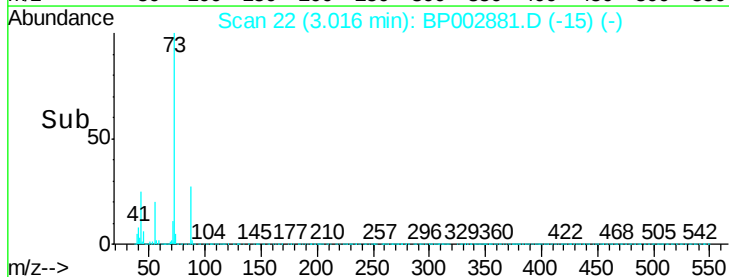
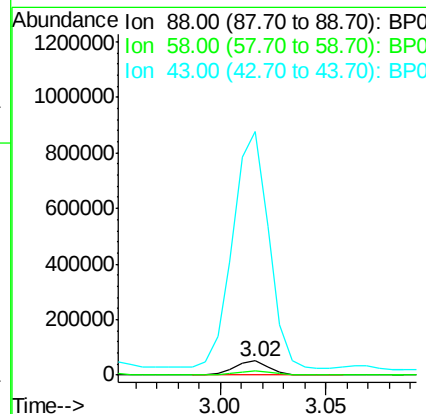
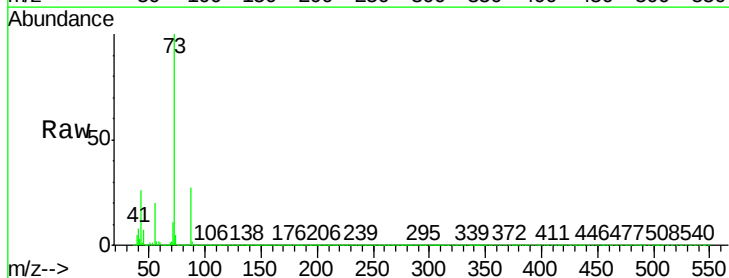
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.8	187.2
115	58.0	47.4	71.2

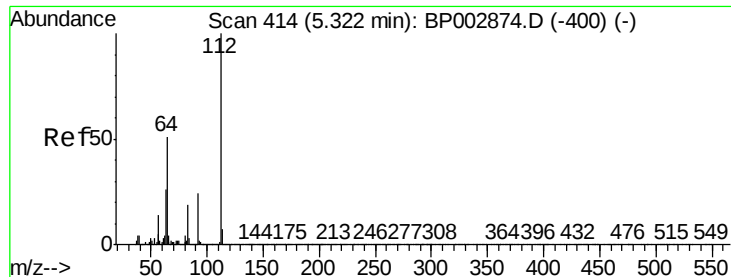


#2

1,4-Dioxane
Concen: 4.518 ng
RT: 3.02 min Scan# 22
Delta R.T. -0.26 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Tgt Ion	Ratio	Lower	Upper
88	100		
58	25.1	47.4	71.0#
43	1725.0	15.2	22.8#





#5

2-Fluorophenol

Concen: 104.179 ng

RT: 5.32 min Scan# 414

Delta R.T. -0.00 min

Lab File: BP002881.D

Acq: 30 Jul 2020 17:50

Instrument :

BNA_P

ClientSampleId :

HD-02-072920

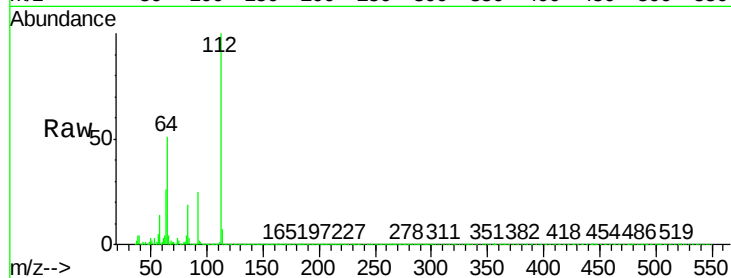
Tot Ion: 112 Resp: 3115083

Ion Ratio Lower Upper

112 100

64 51.0 41.0 61.6

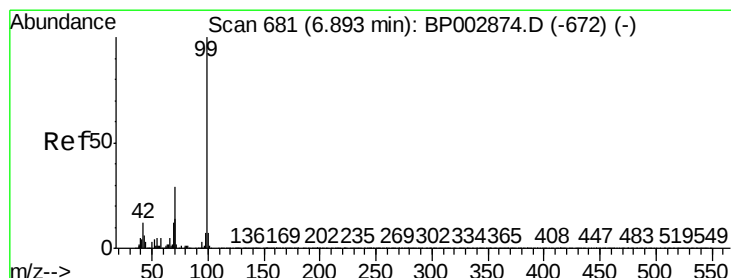
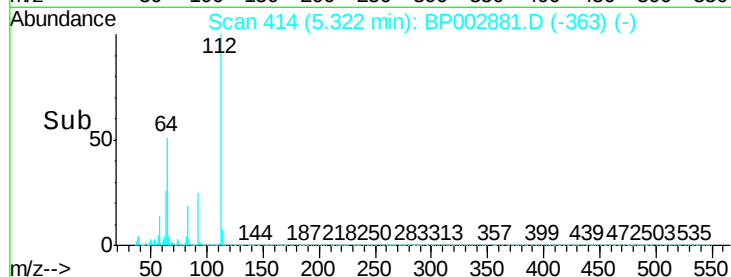
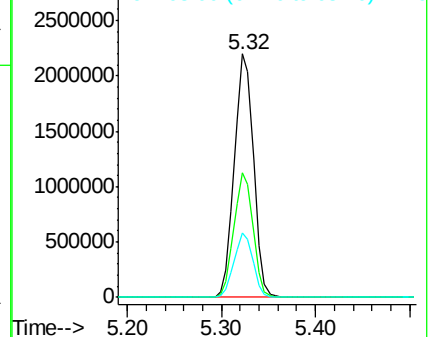
63 26.3 20.7 31.1



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#7

Phenol-d6

Concen: 84.444 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP002881.D

Acq: 30 Jul 2020 17:50

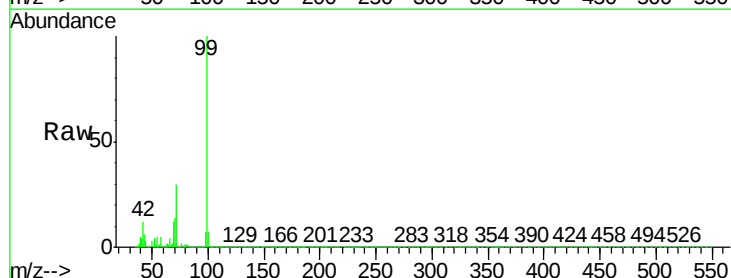
Tgt Ion: 99 Resp: 3505621

Ion Ratio Lower Upper

99 100

42 12.0 9.3 13.9

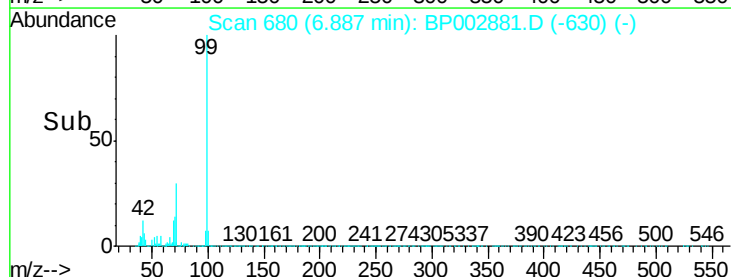
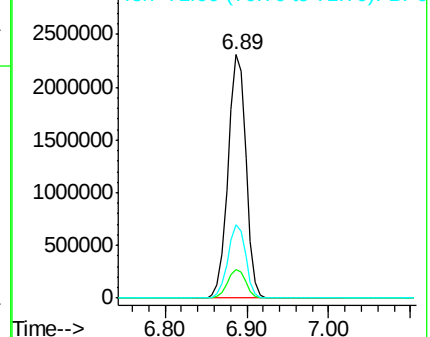
71 29.9 23.5 35.3

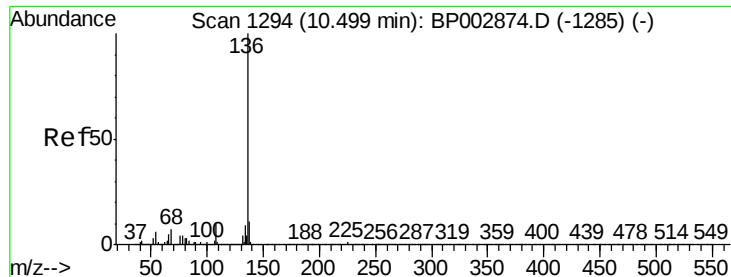


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

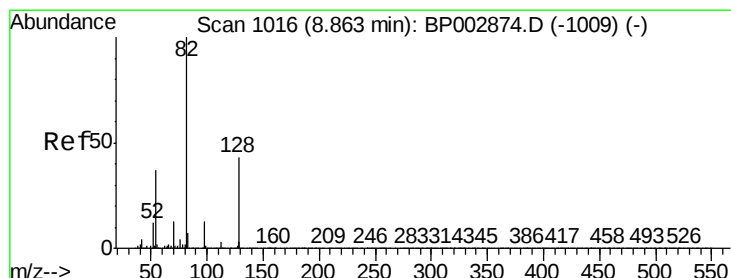
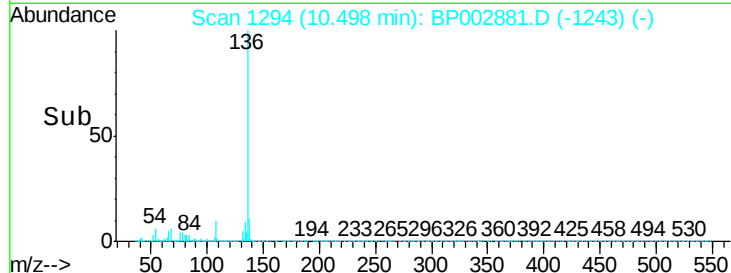
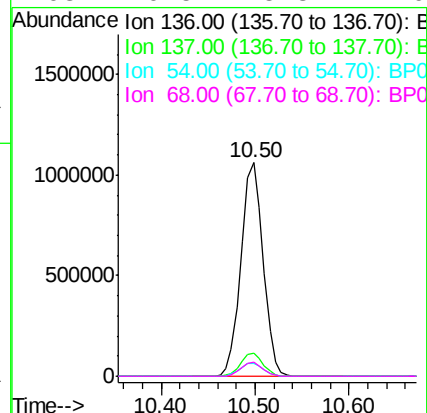
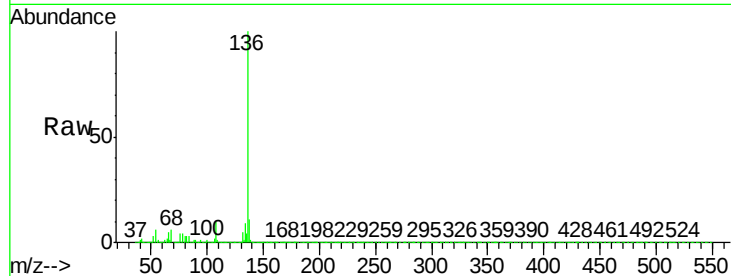




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.50 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

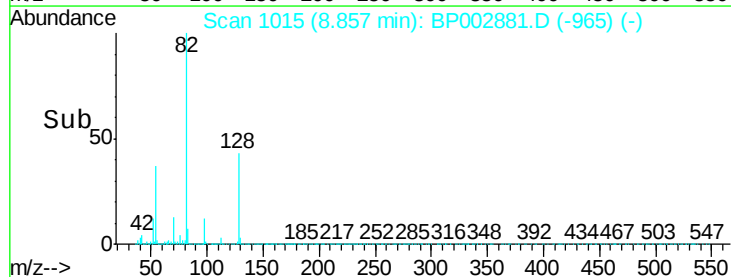
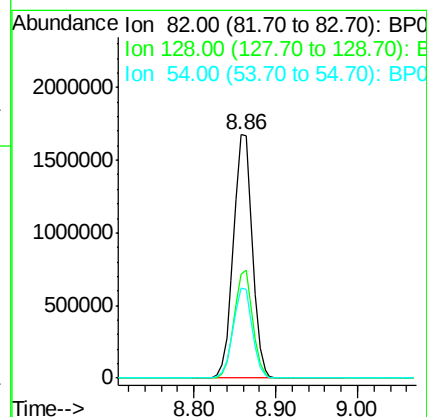
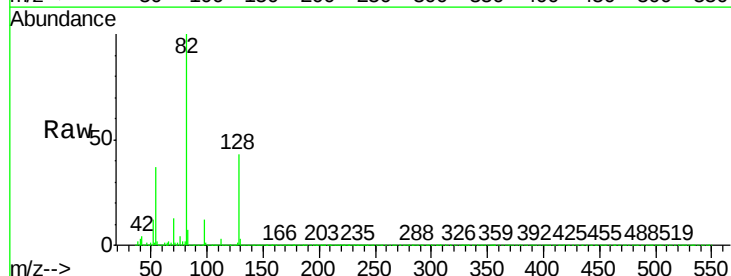
Instrument :
BNA_P
ClientSampleId :
HD-02-072920

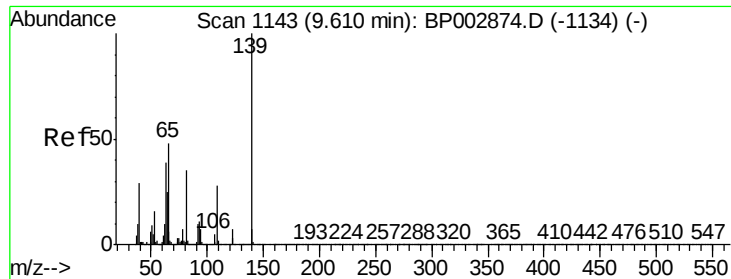
Tot Ion:136	Resp: 1732899
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 6.1	5.1 7.7
68 6.5	5.3 7.9



#23
Nitrobenzene-d5
Concen: 84.838 ng
RT: 8.86 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Tgt Ion: 82	Resp: 2714365
Ion Ratio	Lower Upper
82 100	
128 42.6	34.6 52.0
54 37.0	29.5 44.3

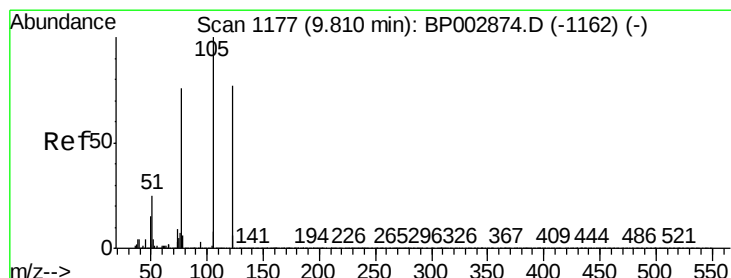
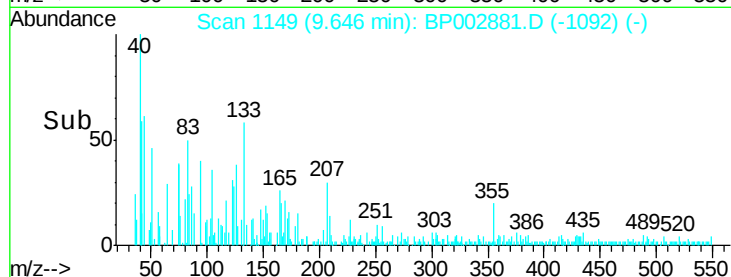
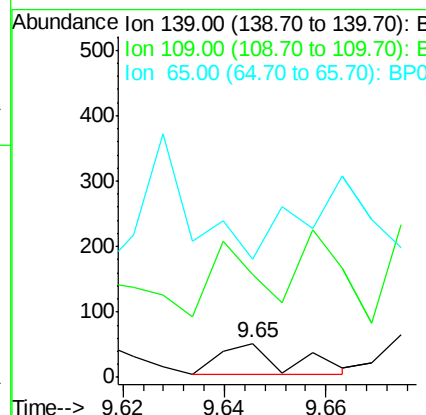
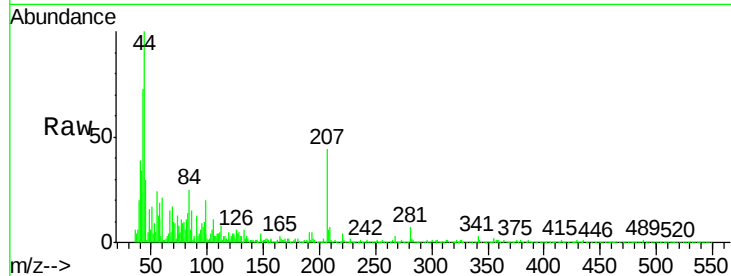




#26
2-Nitrophenol
Concen: 4.523 ng
RT: 9.65 min Scan# 1149
Delta R.T. 0.04 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

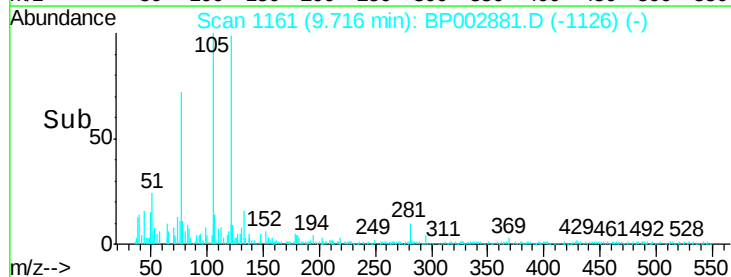
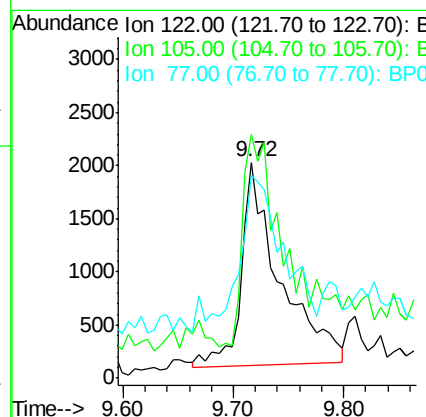
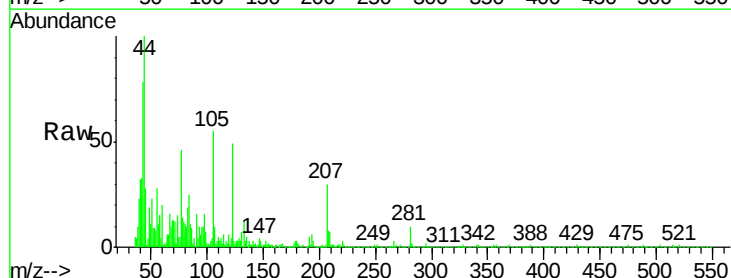
Instrument :
BNA_P
ClientSampleId :
HD-02-072920

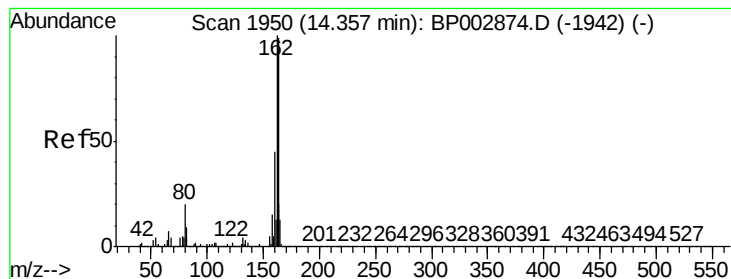
Tot Ion:139 Resp: 44
Ion Ratio Lower Upper
139 100
109 301.9 22.2 33.2#
65 348.1 38.9 58.3#



#32
Benzoic acid
Concen: 7.928 ng
RT: 9.72 min Scan# 1161
Delta R.T. -0.09 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Tgt Ion:122 Resp: 4646
Ion Ratio Lower Upper
122 100
105 112.9 103.4 143.4
77 94.1 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: BP002881.D

Acq: 30 Jul 2020 17:50

Instrument :

BNA_P

ClientSampleId :

HD-02-072920

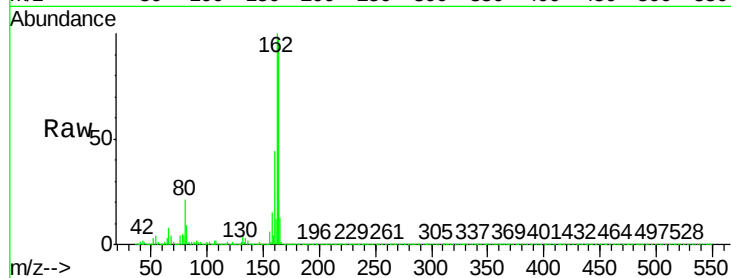
Tot Ion:164 Resp: 963992

Ion Ratio Lower Upper

164 100

162 102.0 81.0 121.6

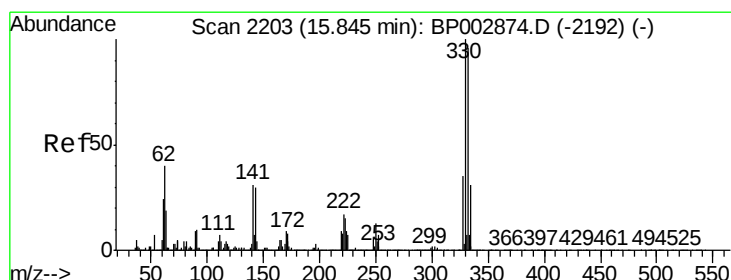
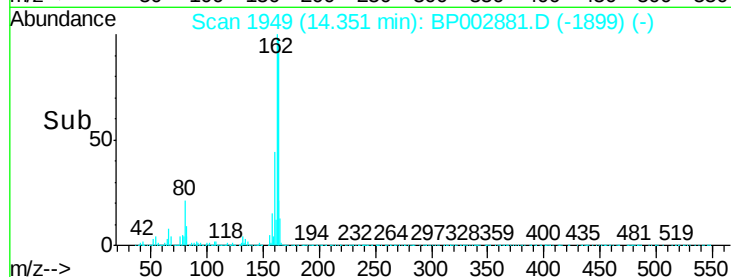
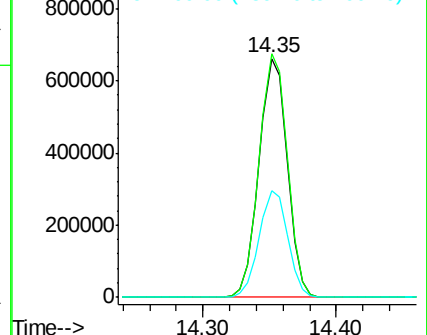
160 44.8 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 115.364 ng

RT: 15.85 min Scan# 2203

Delta R.T. -0.00 min

Lab File: BP002881.D

Acq: 30 Jul 2020 17:50

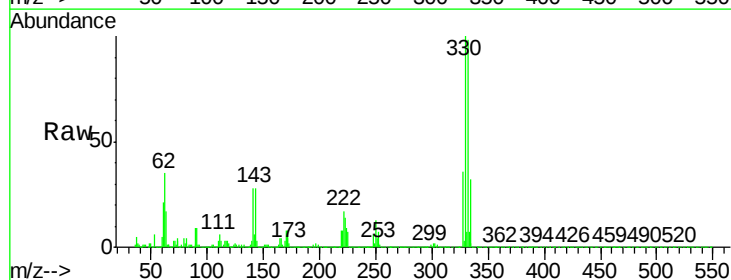
Tgt Ion:330 Resp: 1382209

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

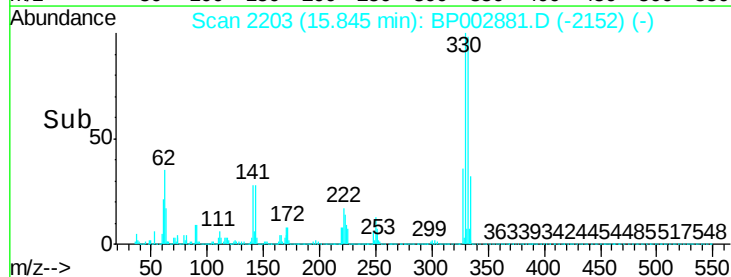
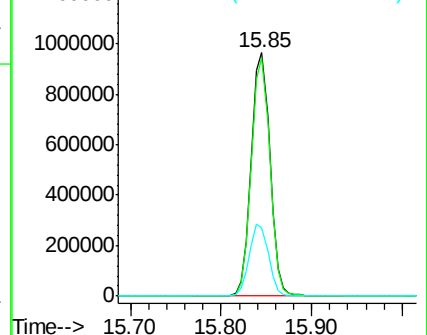
141 30.3 24.6 37.0

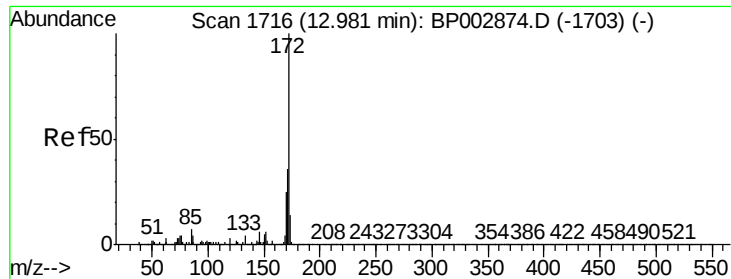


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

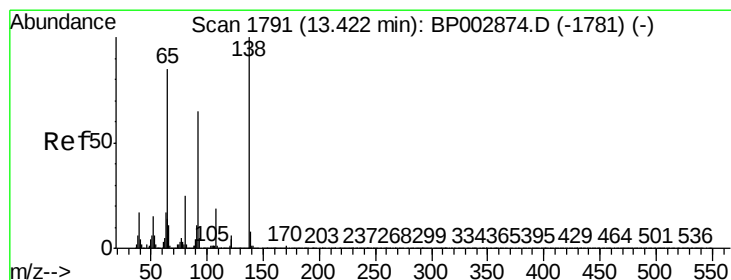
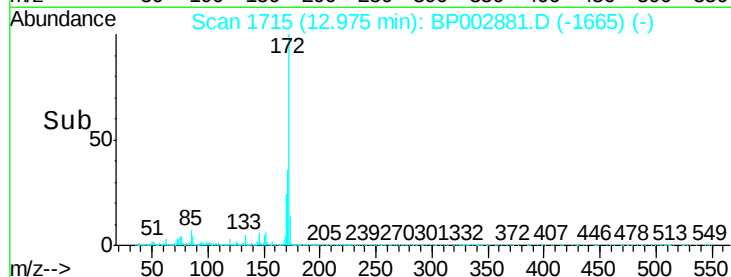
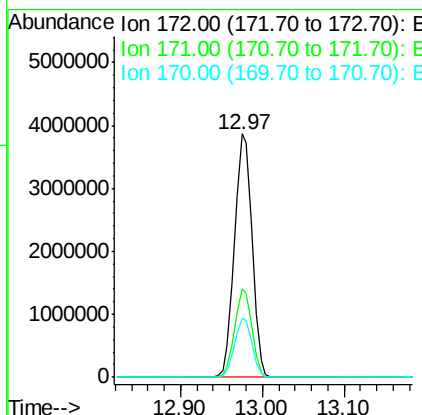
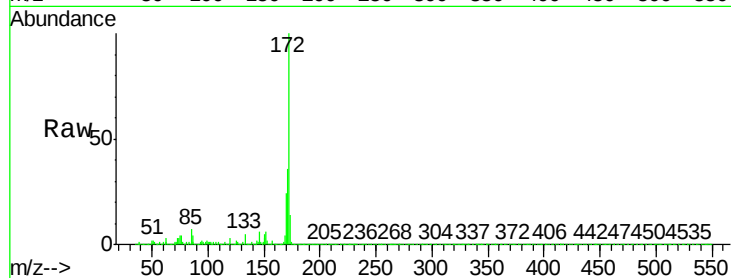




#45
2-Fluorobiphenyl
Concen: 82.243 ng
RT: 12.97 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

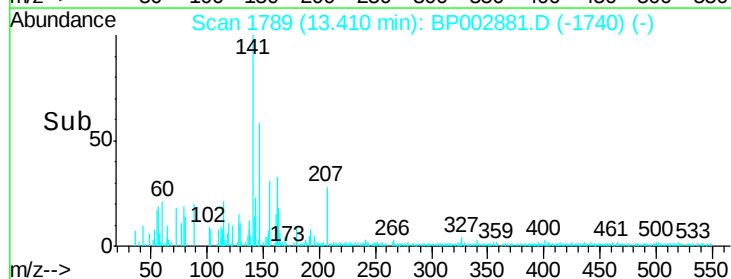
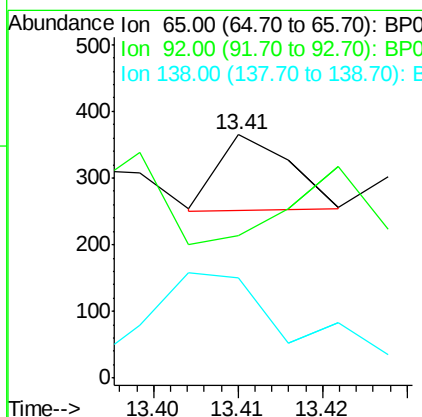
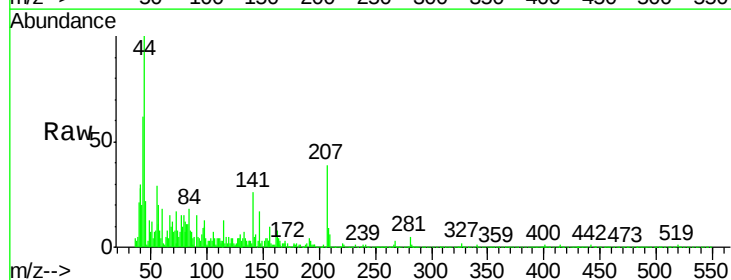
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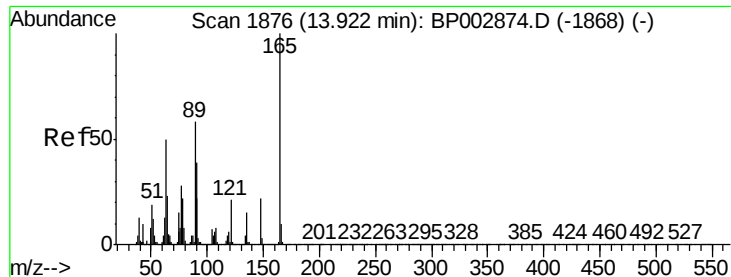
Tot Ion:172 Resp: 5802636
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.3 19.6 29.4



#48
2-Nitroaniline
Concen: 3.976 ng
RT: 13.41 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Tgt Ion: 65 Resp: 68
Ion Ratio Lower Upper
65 100
92 58.6 61.4 92.0#
138 41.4 94.2 141.4#

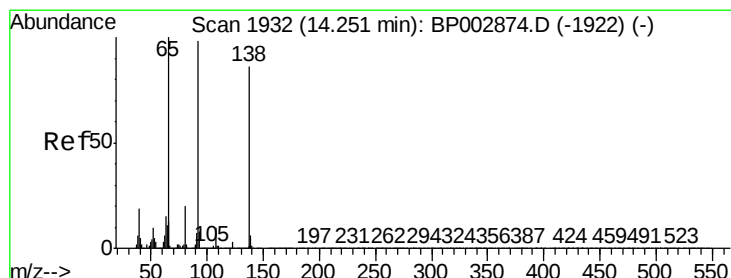
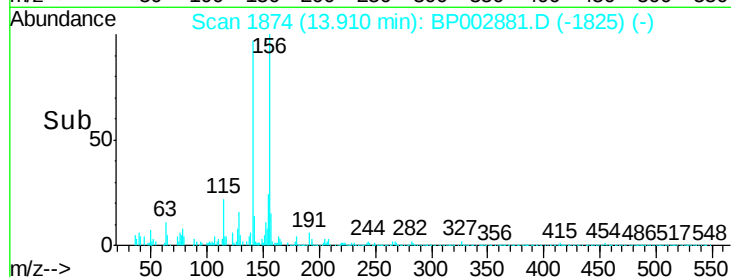
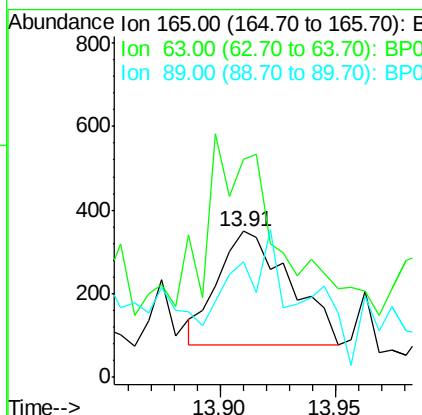
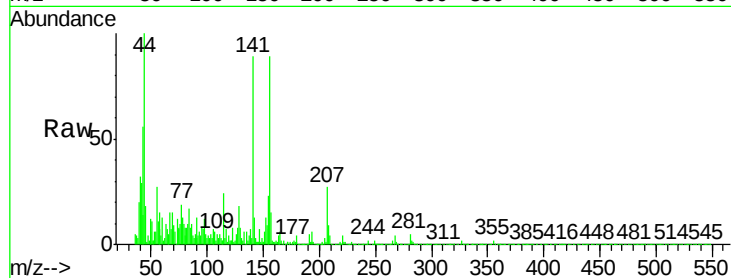




#51
2,6-Dinitrotoluene
Concen: 2.932 ng
RT: 13.91 min Scan# 1874
Delta R.T. -0.01 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

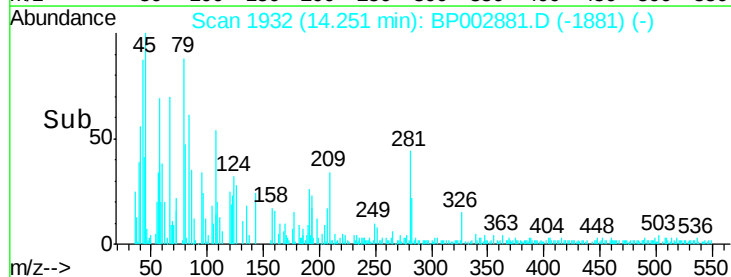
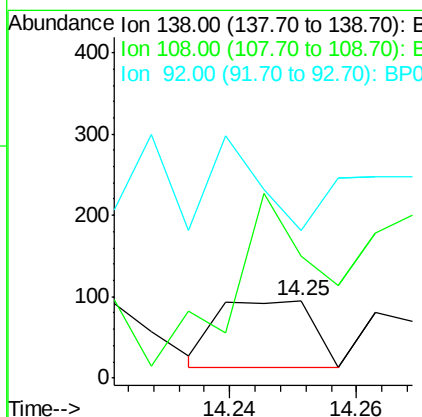
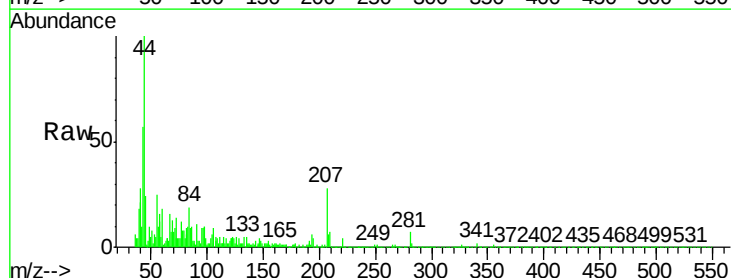
Instrument :
BNA_P
ClientSampleId :
HD-02-072920

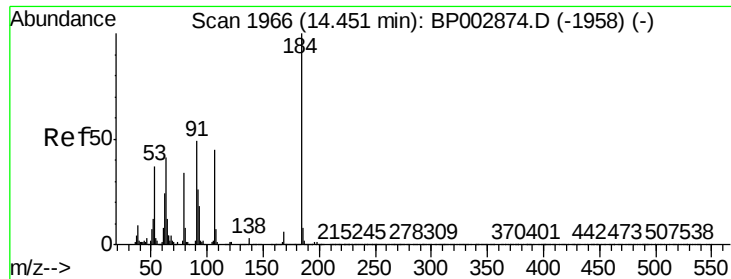
Tot Ion:165 Resp: 585
Ion Ratio Lower Upper
165 100
63 149.3 40.3 60.5#
89 79.1 46.5 69.7#



#53
3-Nitroaniline
Concen: 3.278 ng
RT: 14.25 min Scan# 1932
Delta R.T. 0.00 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Tgt Ion:138 Resp: 85
Ion Ratio Lower Upper
138 100
108 157.9 9.4 14.0#
92 191.6 91.0 136.6#

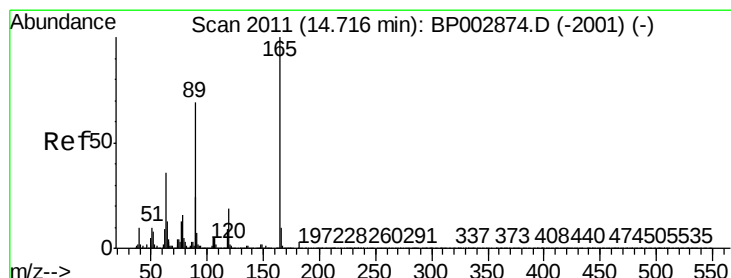
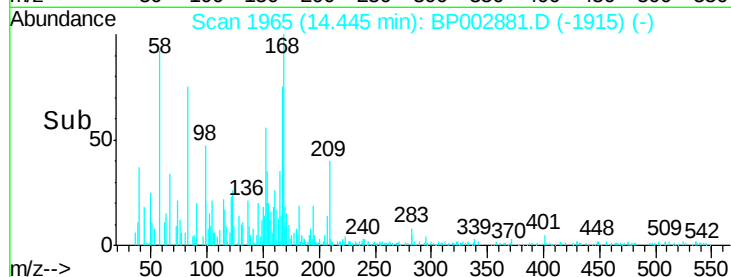
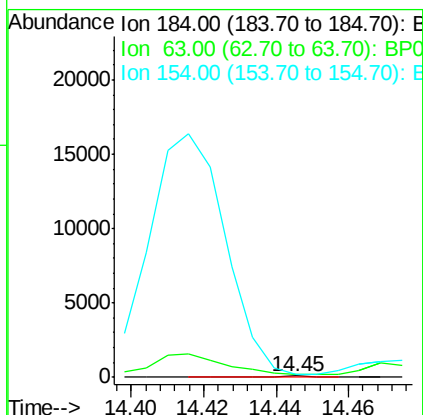
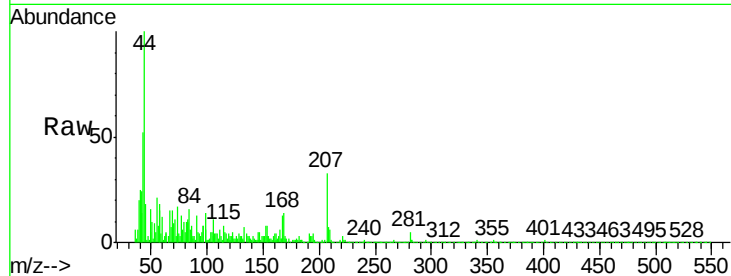




#54
2,4-Dinitrophenol
Concen: 8.065 ng
RT: 14.45 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

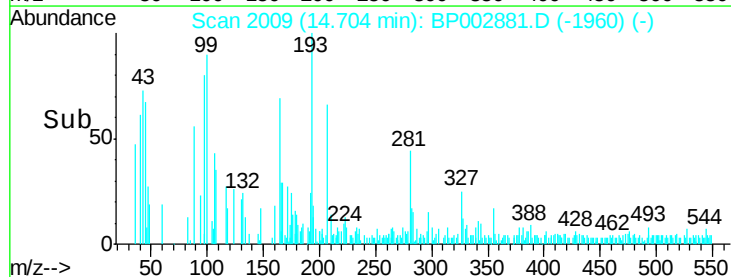
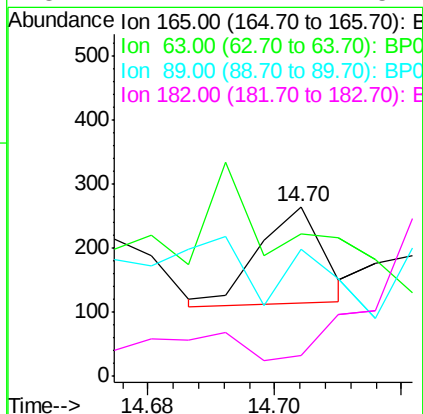
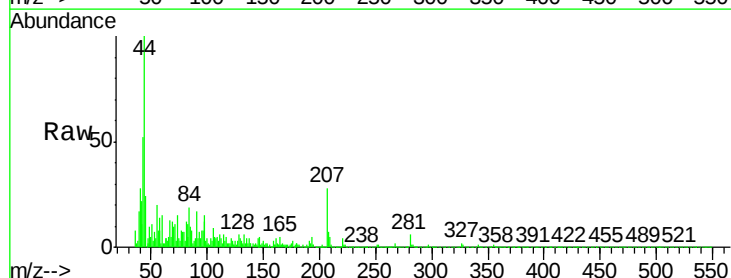
Instrument :
BNA_P
ClientSampleId :
HD-02-072920

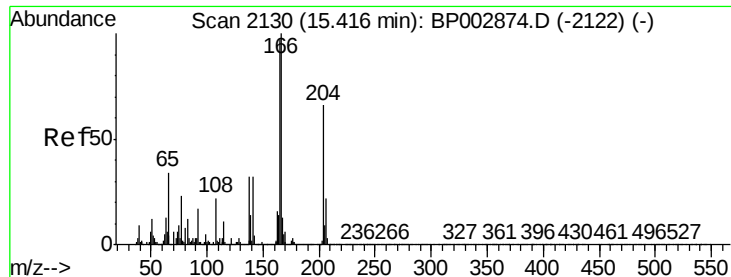
Tot Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 268.8 50.3 75.5#
154 239.0 50.6 76.0#



#57
2,4-Dinitrotoluene
Concen: 3.810 ng
RT: 14.70 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Tgt Ion:165 Resp: 108
Ion Ratio Lower Upper
165 100
63 83.8 29.0 43.4#
89 75.1 55.5 83.3
182 12.1 2.2 3.4#





#62

4-Nitroaniline

Concen: 2.489 ng

RT: 15.40 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BP002881.D

Acq: 30 Jul 2020 17:50

Instrument :

BNA_P

ClientSampleId :

HD-02-072920

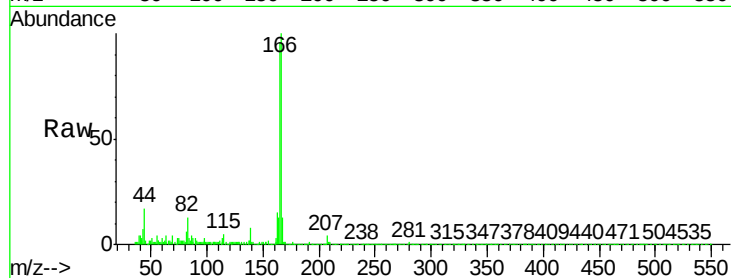
Tot Ion:138 Resp: 1337

Ion Ratio Lower Upper

138 100

92 47.5 32.2 72.2

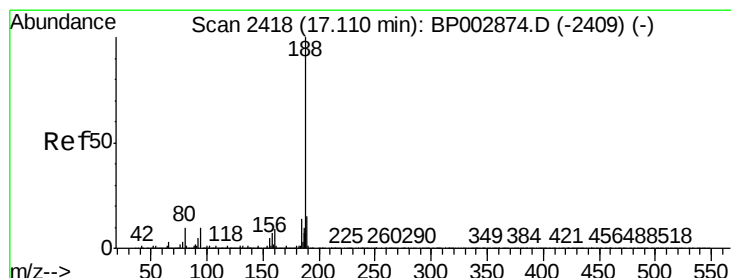
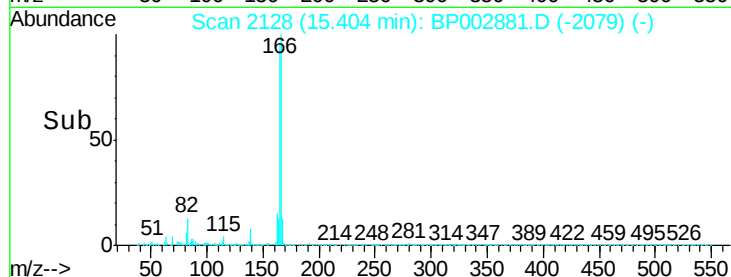
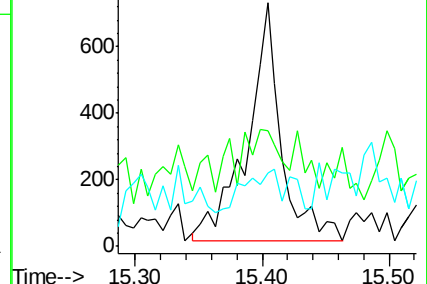
108 30.2 50.0 90.0#



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BP002881.D

Acq: 30 Jul 2020 17:50

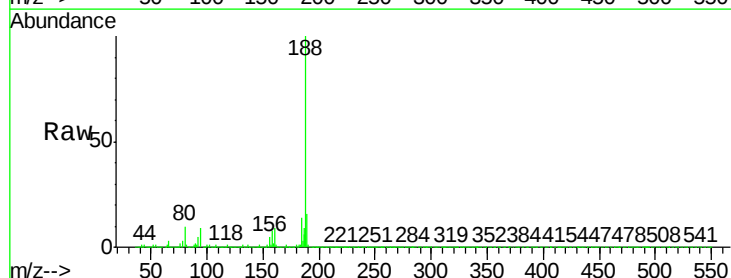
Tgt Ion:188 Resp: 1891593

Ion Ratio Lower Upper

188 100

94 9.4 7.8 11.6

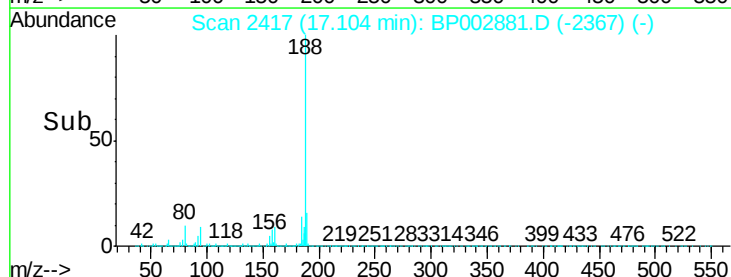
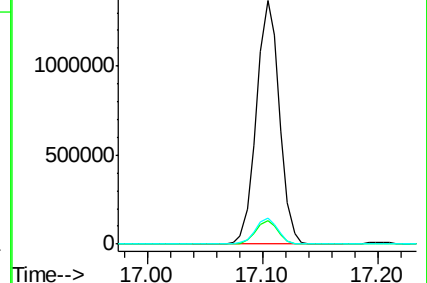
80 10.4 8.0 12.0

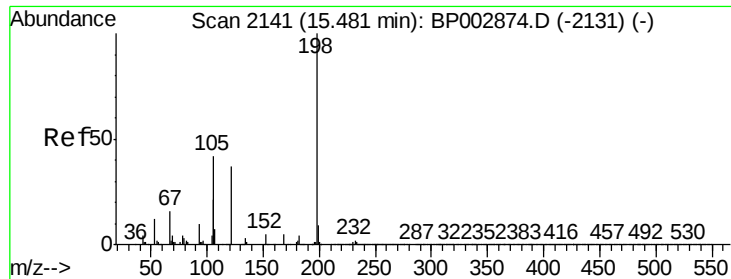


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

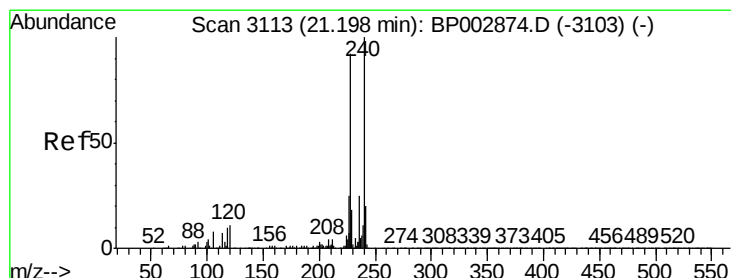
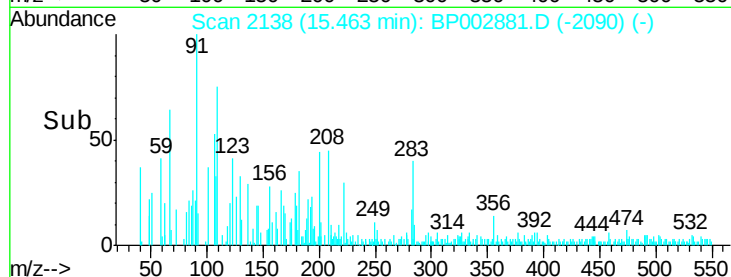
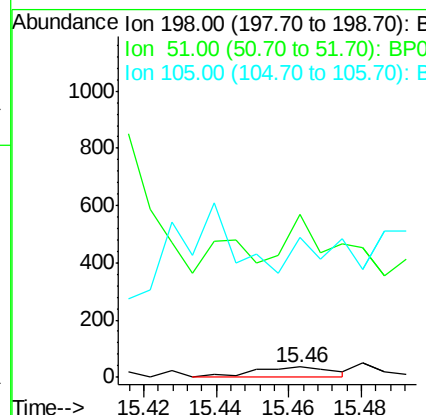
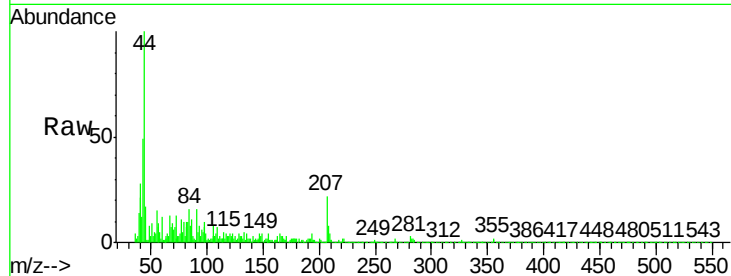




#65
4,6-Dinitro-2-methylphenol
Concen: 6.905 ng
RT: 15.46 min Scan# 2138
Delta R.T. -0.02 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

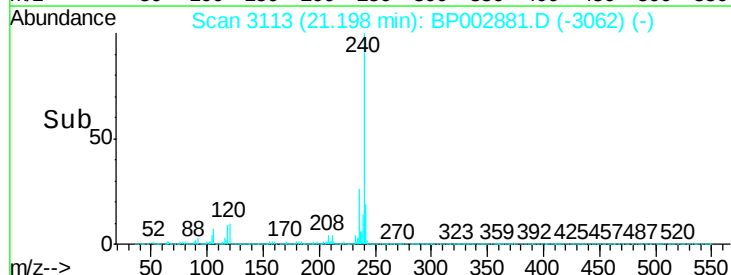
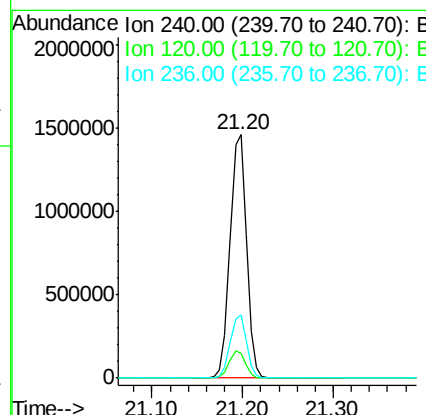
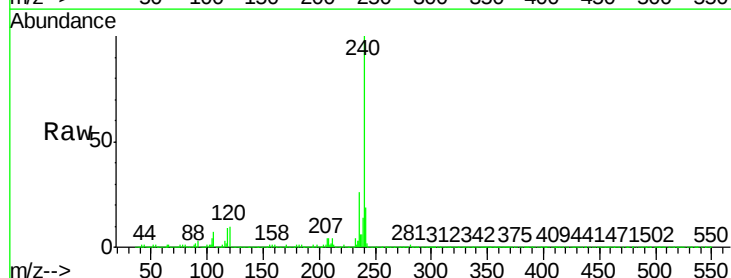
Instrument :
BNA_P
ClientSampleId :
HD-02-072920

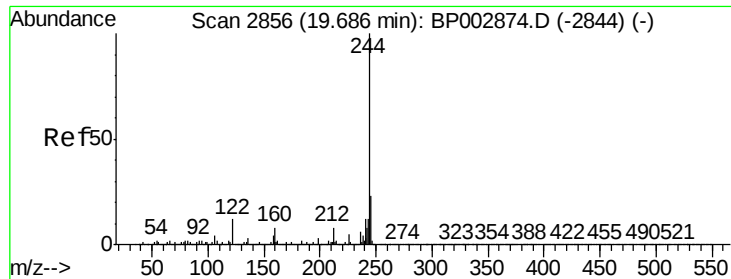
Tot Ion:198 Resp: 55
Ion Ratio Lower Upper
198 100
51 1625.7 11.6 51.6#
105 1400.0 23.8 63.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.20 min Scan# 3113
Delta R.T. -0.00 min
Lab File: BP002881.D
Acq: 30 Jul 2020 17:50

Tgt Ion:240 Resp: 1838278
Ion Ratio Lower Upper
240 100
120 10.0 8.9 13.3
236 26.0 20.3 30.5





#79

Terphenyl-d14

Concen: 81.040 ng

RT: 19.68 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BP002881.D

Acq: 30 Jul 2020 17:50

Instrument :

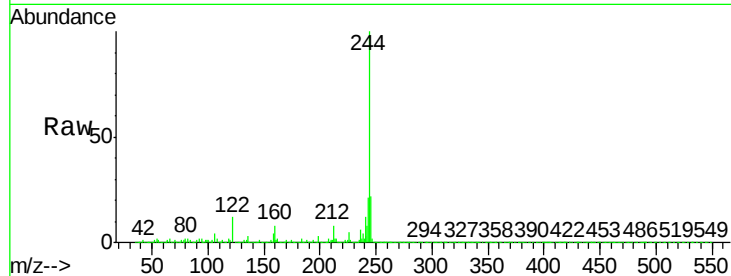
BNA_P

ClientSampleId :

HD-02-072920

Tot Ion:244 Resp: 7441466

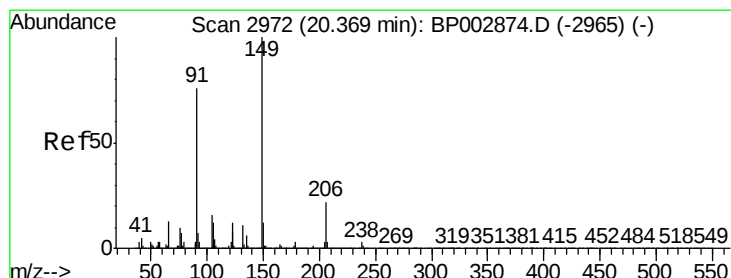
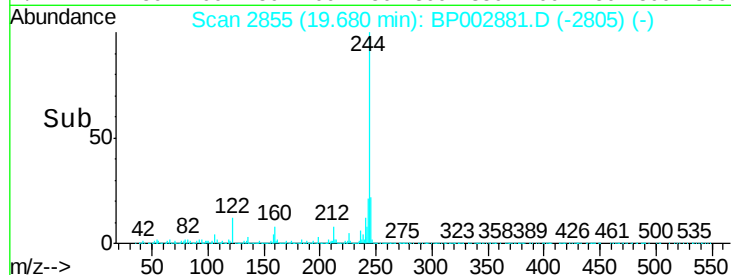
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.4	9.6
122	11.8	9.4	14.2



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: 3.109 ng

RT: 20.37 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BP002881.D

Acq: 30 Jul 2020 17:50

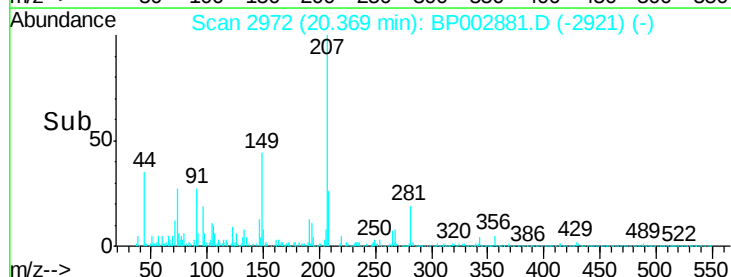
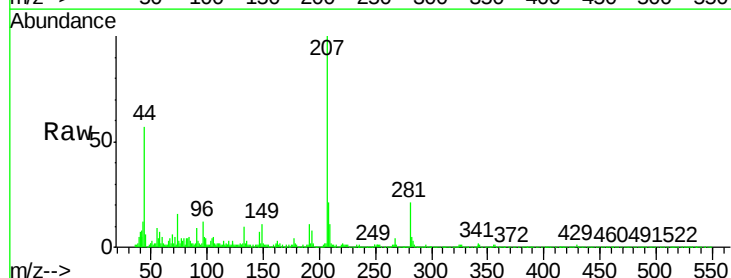
Tgt Ion:149 Resp: 2830

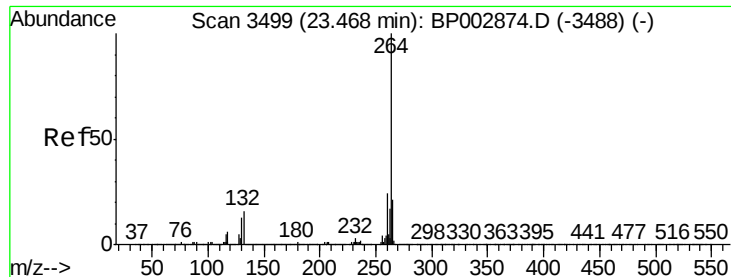
Ion	Ratio	Lower	Upper
149	100		
91	84.6	60.5	90.7
206	22.1	17.5	26.3

Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.46 min Scan# 3498
 Delta R.T. -0.01 min
 Lab File: BP002881.D
 Acq: 30 Jul 2020 17:50

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-072920

Tot Ion:264 Resp: 2046753
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.6
 265 21.5 17.0 25.4

