

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP080720\
 Data File : BP002938.D
 Acq On : 07 Aug 2020 18:35
 Operator : CG/JU
 Sample : L3508-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-080620

Quant Time: Aug 07 19:05:50 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	238772	20.00	ng	0.00
21) Naphthalene-d8	10.49	136	876752	20.00	ng	-0.01
39) Acenaphthene-d10	14.35	164	533641	20.00	ng	-0.01
64) Phenanthrene-d10	17.10	188	1200736	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	1412653	20.00	ng	-0.01
86) Perylene-d12	23.44	264	1614214	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1591828	102.03	ng	0.00
7) Phenol-d6	6.88	99	1752027	80.89	ng	-0.01
23) Nitrobenzene-d5	8.85	82	1248440	77.12	ng	-0.01
42) 2,4,6-Tribromophenol	15.84	330	903005	136.15	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	3160113	80.91	ng	-0.01
79) Terphenyl-d14	19.67	244	5384129	76.30	ng	-0.01

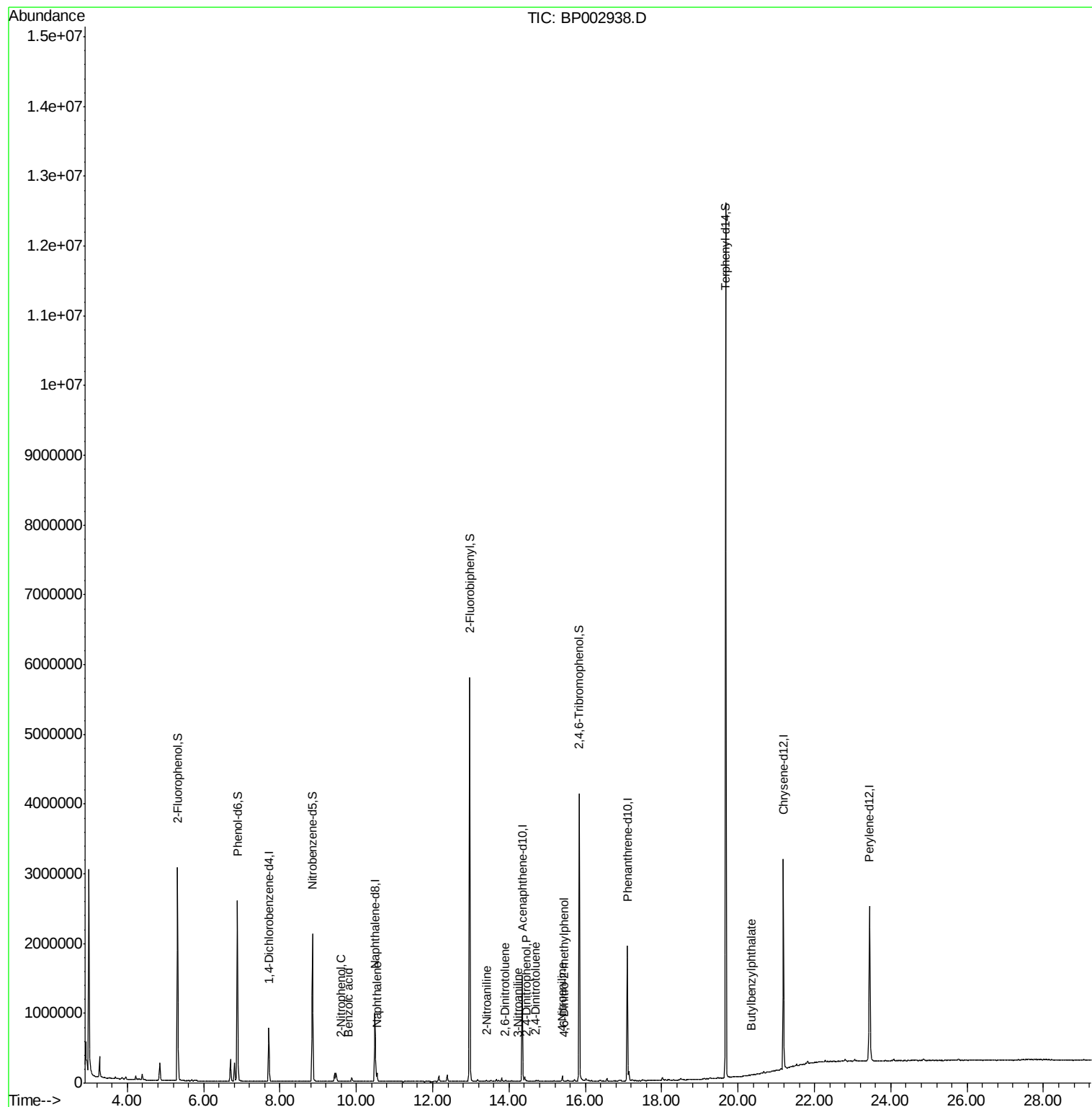
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	9.60	139	47	4.526	ng	# 60
31) Naphthalene	10.54	128	111676	2.225	ng	# 99
32) Benzoic acid	9.80	122	98	7.696	ng	# 24
48) 2-Nitroaniline	13.40	65	543	4.029	ng	# 14
51) 2,6-Dinitrotoluene	13.89	165	282	2.928	ng	# 37
53) 3-Nitroaniline	14.22	138	76	3.281	ng	# 35
54) 2,4-Dinitrophenol	14.45	184	18	8.061	ng	# 1
57) 2,4-Dinitrotoluene	14.70	165	1296	3.902	ng	# 64
62) 4-Nitroaniline	15.39	138	536	2.469	ng	# 43
65) 4,6-Dinitro-2-methylphenol	15.45	198	10	6.902	ng	# 1
80) Butylbenzylphthalate	20.35	149	910	3.079	ng	# 83

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

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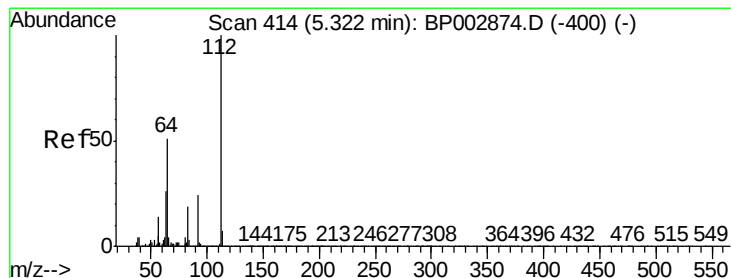
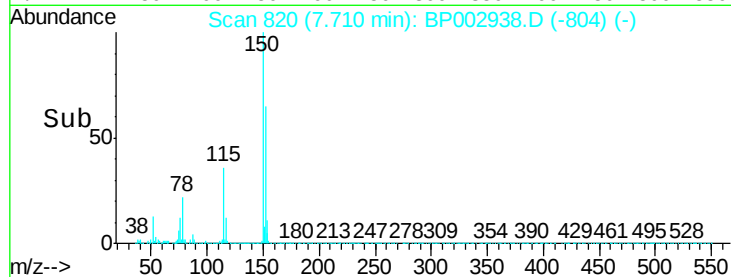
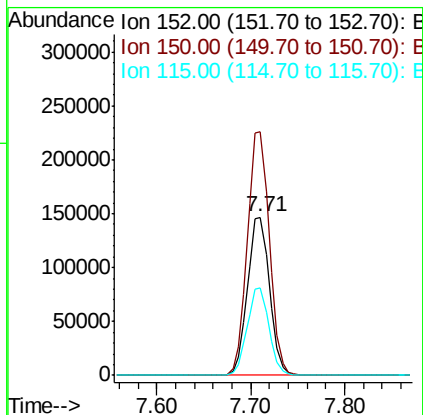
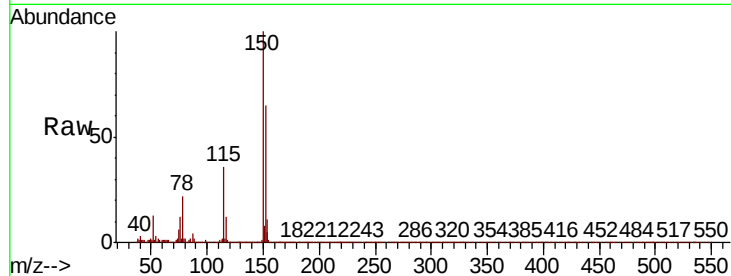


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.71 min Scan# 820
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Instrument :
BNA_P
ClientSampleId :
TR-04-080620

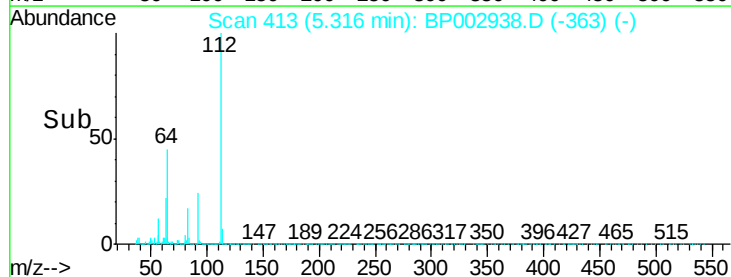
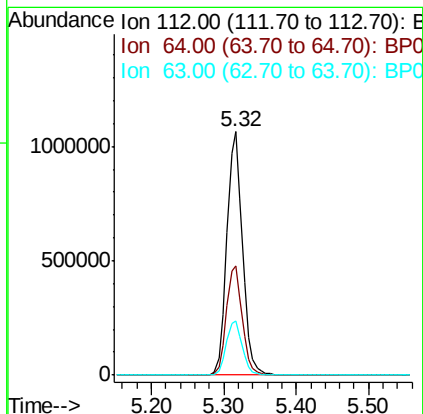
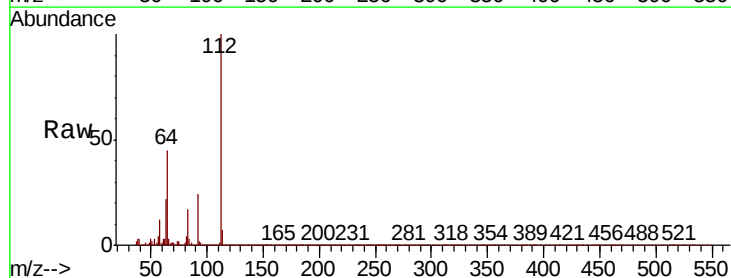
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.8	187.2
115	55.7	47.4	71.2

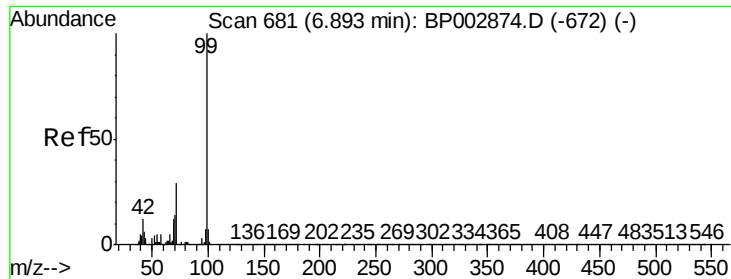


#5

2-Fluorophenol
Concen: 102.034 ng
RT: 5.32 min Scan# 413
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.8	41.0	61.6
63	22.4	20.7	31.1





#7

Phenol-d6

Concen: 80.888 ng

RT: 6.88 min Scan# 679

Delta R.T. -0.01 min

Lab File: BP002938.D

Acq: 07 Aug 2020 18:35

Instrument :

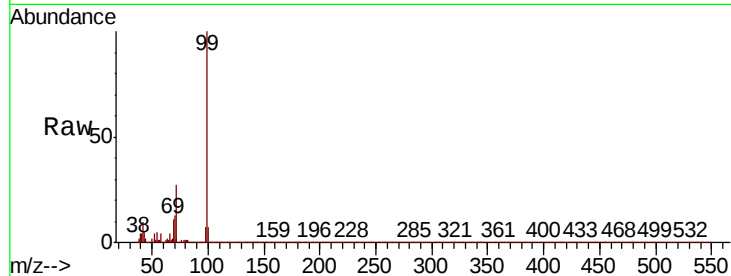
BNA_P

ClientSampleId :

TR-04-080620

Tot Ion: 99 Resp: 1752027

Ion	Ratio	Lower	Upper
99	100		
42	10.3	9.3	13.9
71	27.3	23.5	35.3

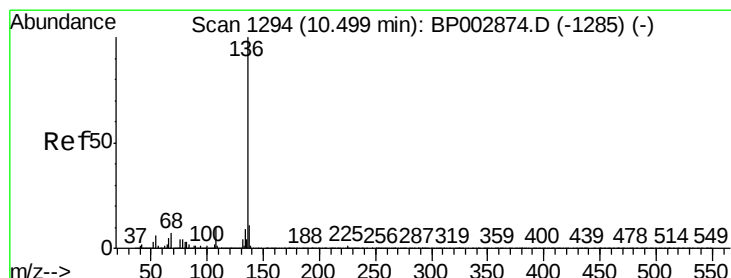
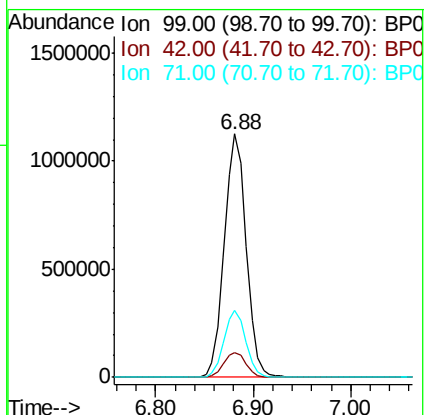
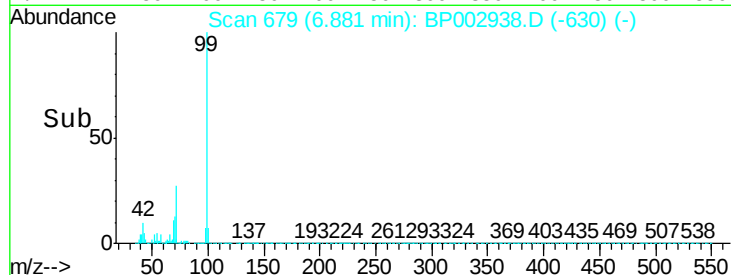


Abundance

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# 1292

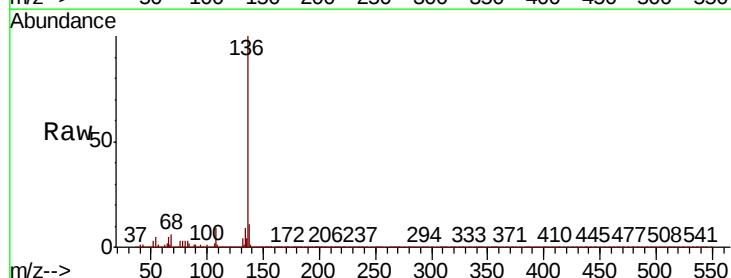
Delta R.T. -0.01 min

Lab File: BP002938.D

Acq: 07 Aug 2020 18:35

Tgt Ion: 136 Resp: 876752

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.2	5.1	7.7
68	5.6	5.3	7.9



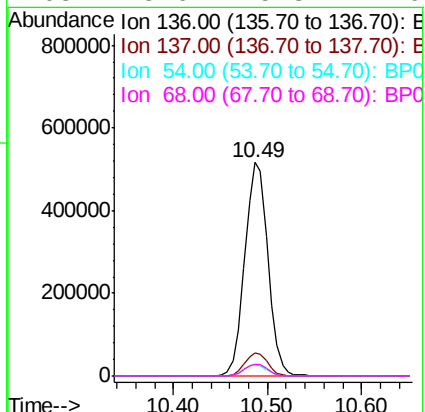
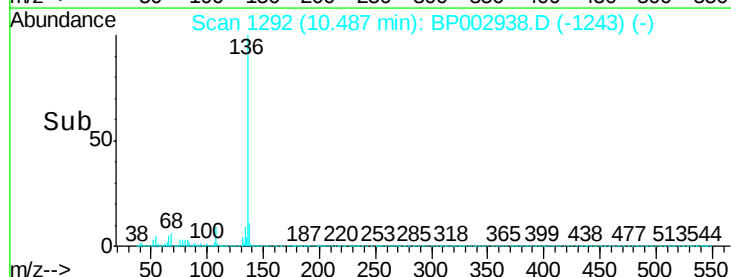
Abundance

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

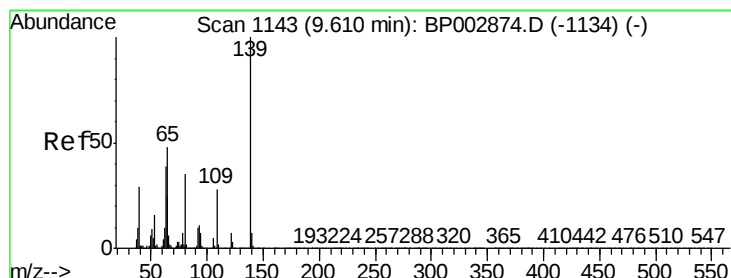
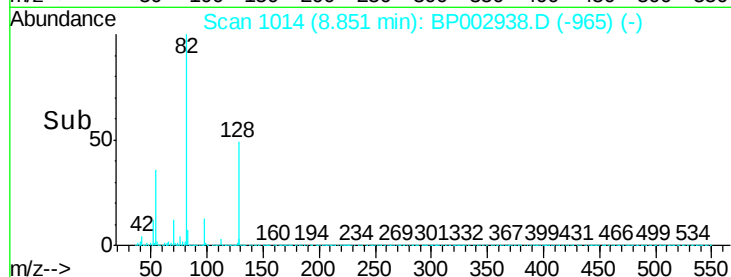
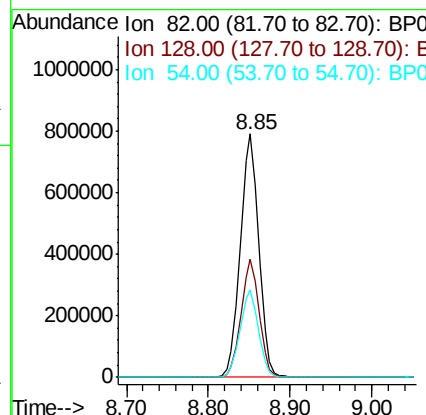
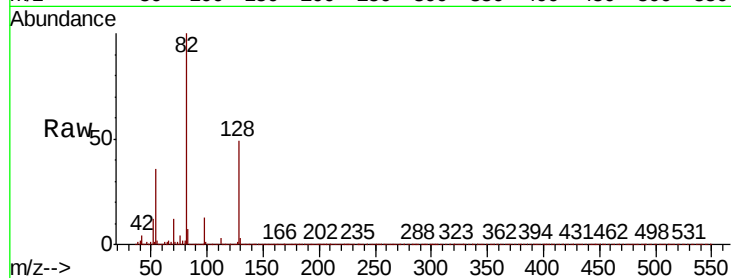




#23
Nitrobenzene-d5
Concen: 77.124 ng
RT: 8.85 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

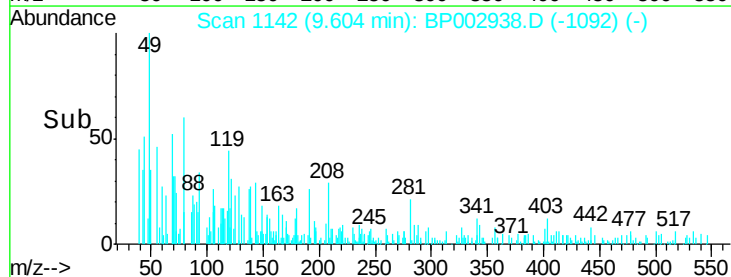
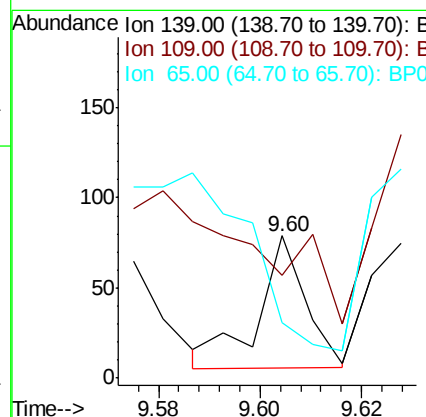
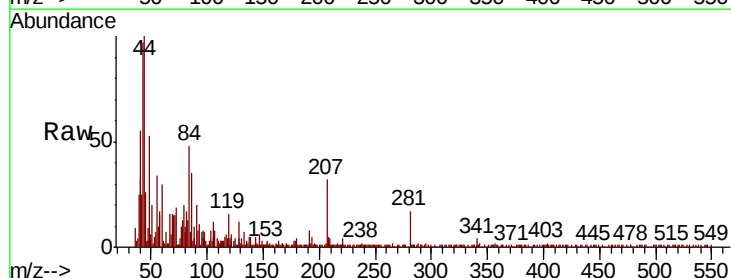
Instrument :
BNA_P
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TR-04-080620

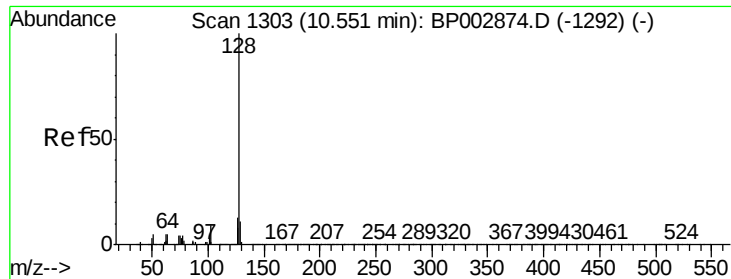
Tot Ion: 82 Resp: 1248440
Ion Ratio Lower Upper
82 100
128 48.6 34.6 52.0
54 35.7 29.5 44.3



#26
2-Nitrophenol
Concen: 4.526 ng
RT: 9.60 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Tgt Ion: 139 Resp: 47
Ion Ratio Lower Upper
139 100
109 72.2 22.2 33.2#
65 39.2 38.9 58.3

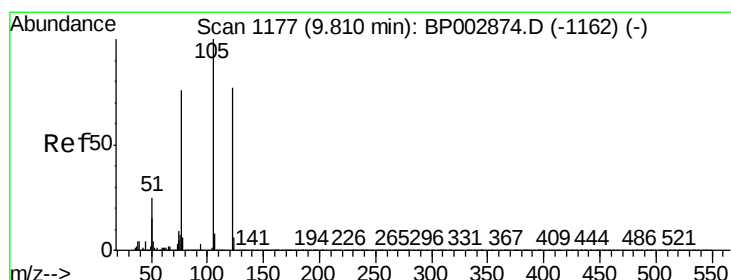
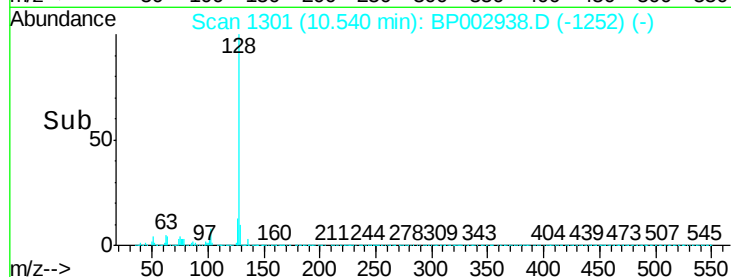
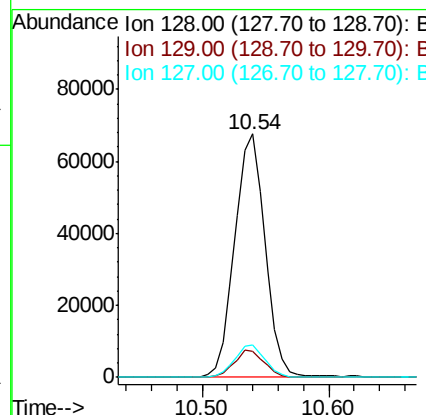
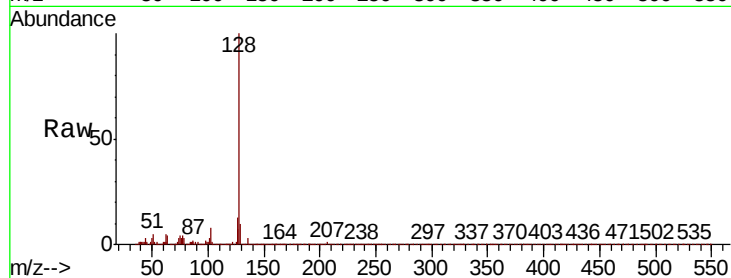




#31
Naphthalene
Concen: 2.225 ng
RT: 10.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

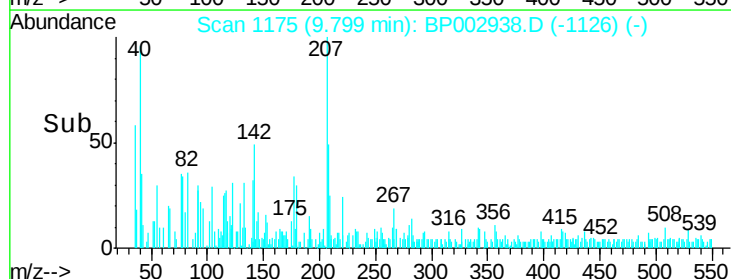
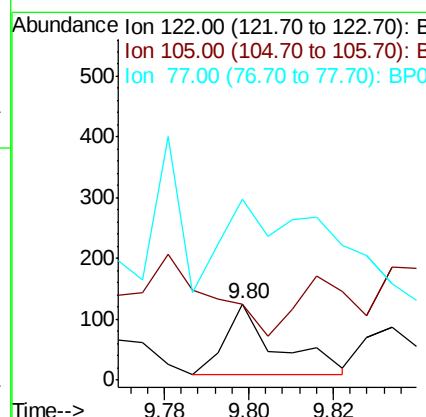
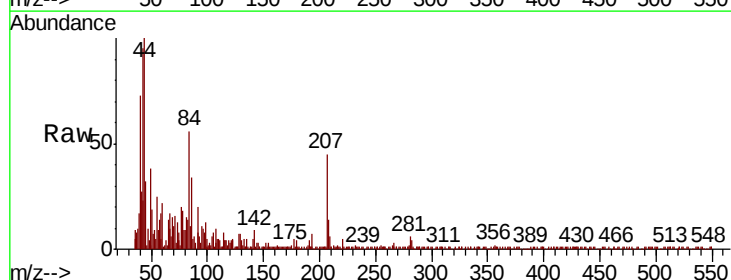
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BNA_P
ClientSampleId :
TR-04-080620

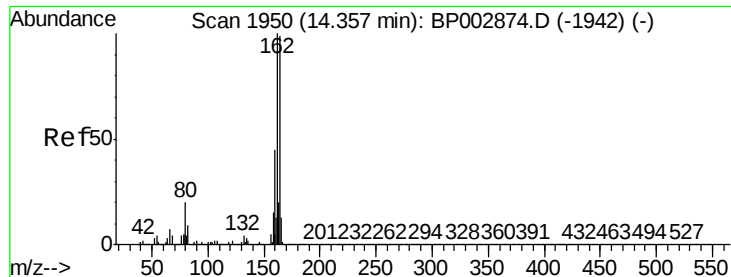
Tot Ion:128 Resp: 111676
Ion Ratio Lower Upper
128 100
129 10.5 8.9 13.3
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 7.696 ng
RT: 9.80 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Tgt Ion:122 Resp: 98
Ion Ratio Lower Upper
122 100
105 99.2 103.4 143.4#
77 236.5 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: BP002938.D

Acq: 07 Aug 2020 18:35

Instrument :

BNA_P

ClientSampleId :

TR-04-080620

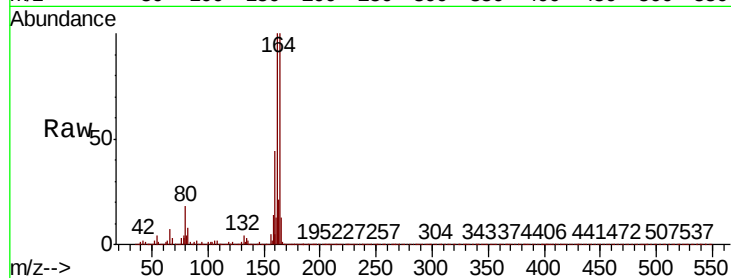
Tot Ion:164 Resp: 533641

Ion Ratio Lower Upper

164 100

162 99.5 81.0 121.6

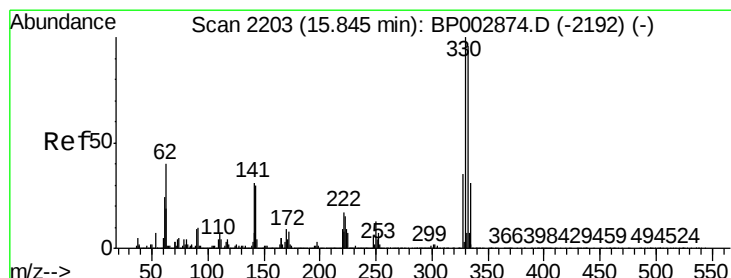
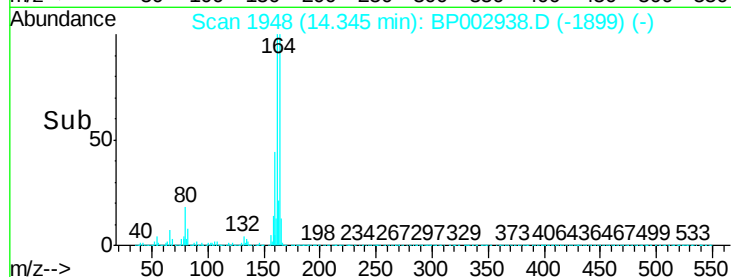
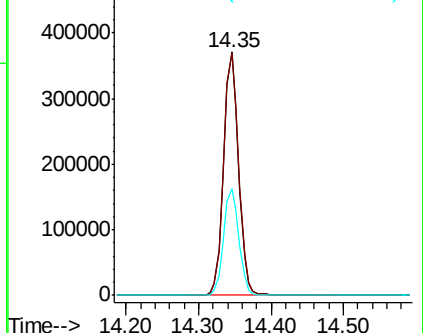
160 43.9 36.2 54.4



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: 136.148 ng

RT: 15.84 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP002938.D

Acq: 07 Aug 2020 18:35

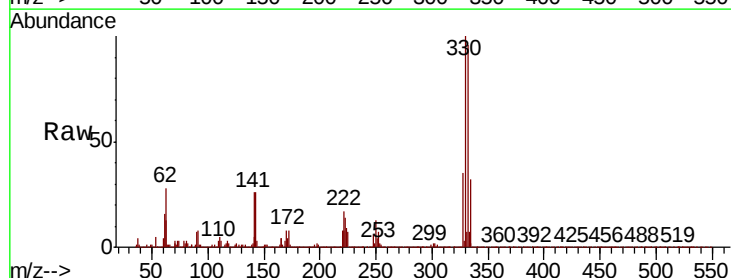
Tgt Ion:330 Resp: 903005

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

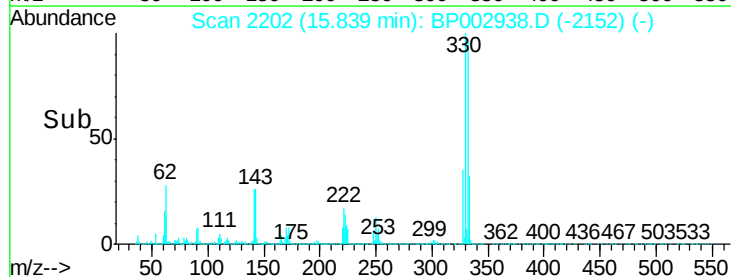
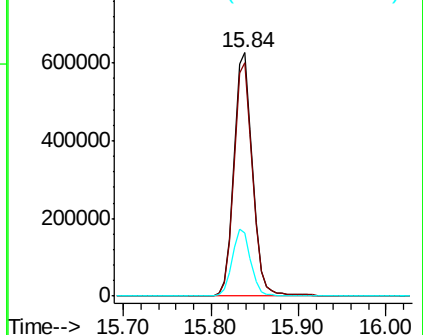
141 27.9 24.6 37.0

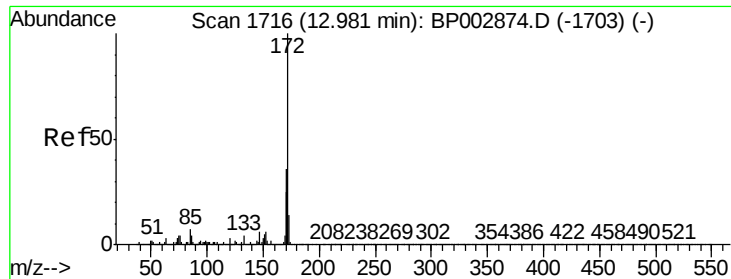


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

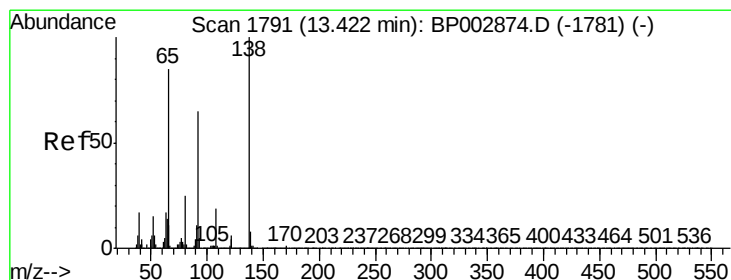
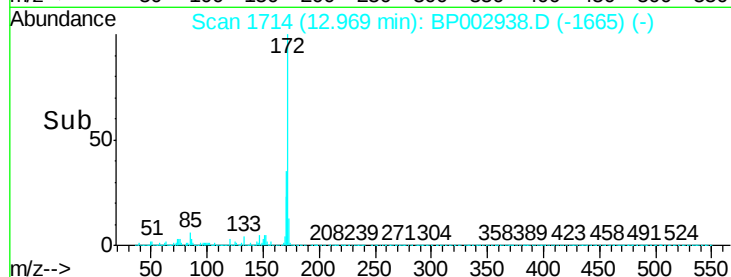
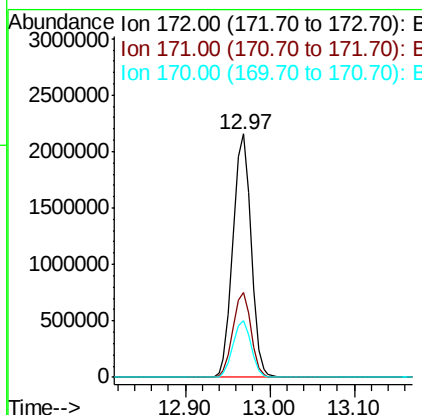
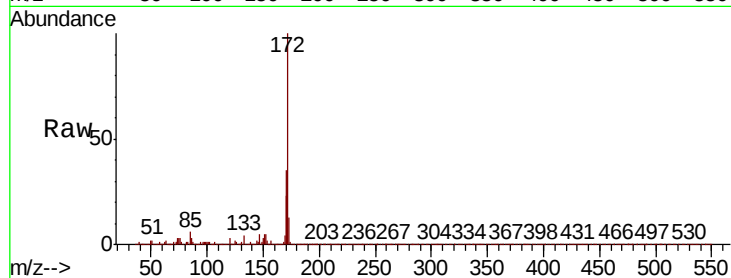




#45
2-Fluorobiphenyl
Concen: 80.909 ng
RT: 12.97 min Scan# 1714
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

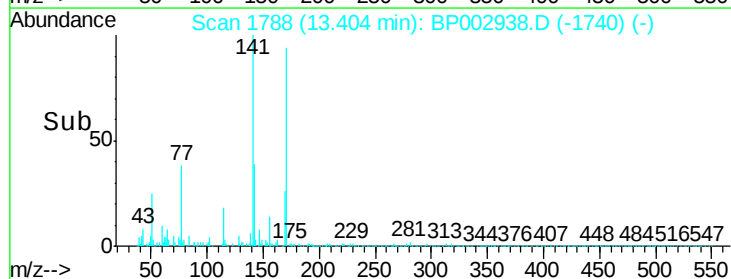
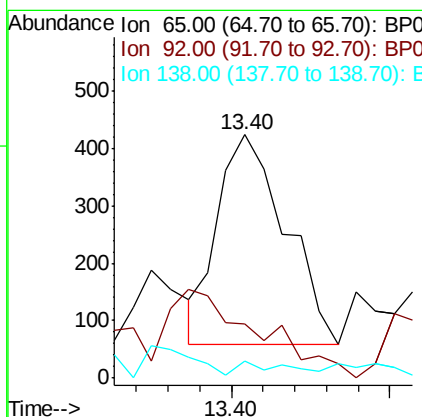
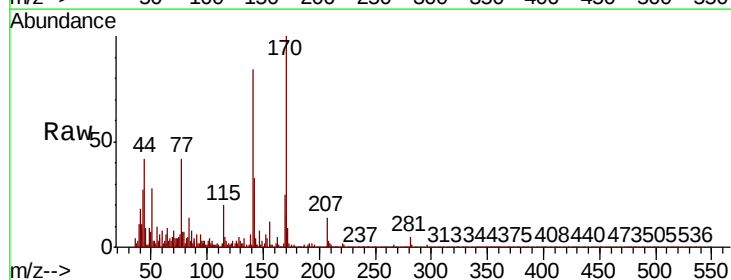
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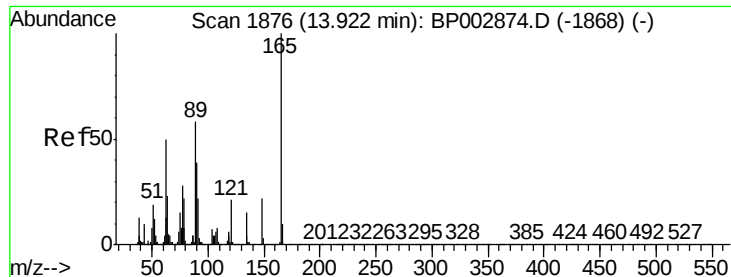
Tot Ion:172 Resp: 3160113
Ion Ratio Lower Upper
172 100
171 35.0 29.1 43.7
170 23.5 19.6 29.4



#48
2-Nitroaniline
Concen: 4.029 ng
RT: 13.40 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Tgt Ion: 65 Resp: 543
Ion Ratio Lower Upper
65 100
92 22.4 61.4 92.0#
138 7.1 94.2 141.4#





#51

2,6-Dinitrotoluene

Concen: 2.928 ng

RT: 13.89 min Scan# 1871

Delta R.T. -0.03 min

Lab File: BP002938.D

Acq: 07 Aug 2020 18:35

Instrument :

BNA_P

ClientSampleId :

TR-04-080620

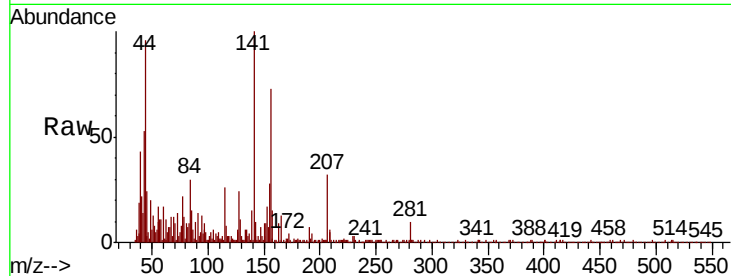
Tot Ion:165 Resp: 282

Ion Ratio Lower Upper

165 100

63 123.8 40.3 60.5#

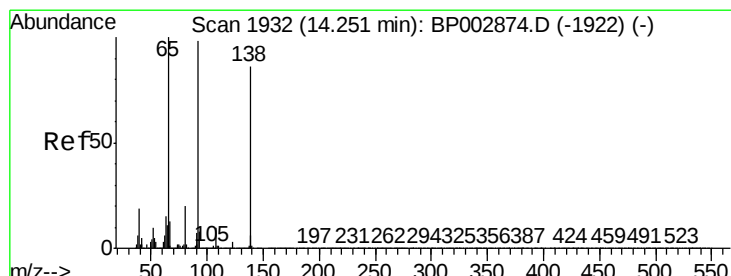
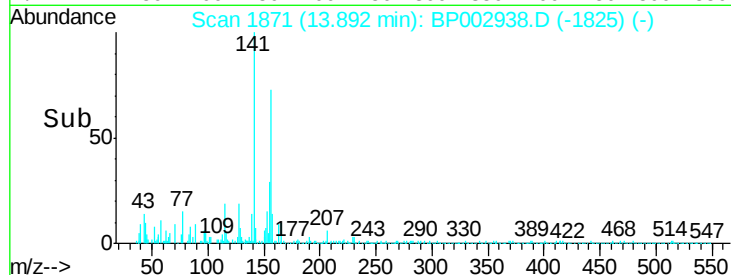
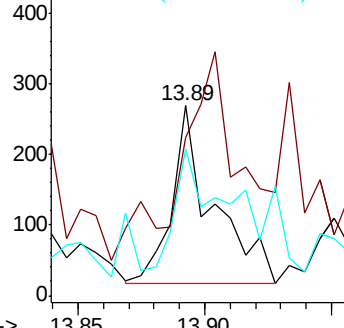
89 77.3 46.5 69.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0



#53

3-Nitroaniline

Concen: 3.281 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.04 min

Lab File: BP002938.D

Acq: 07 Aug 2020 18:35

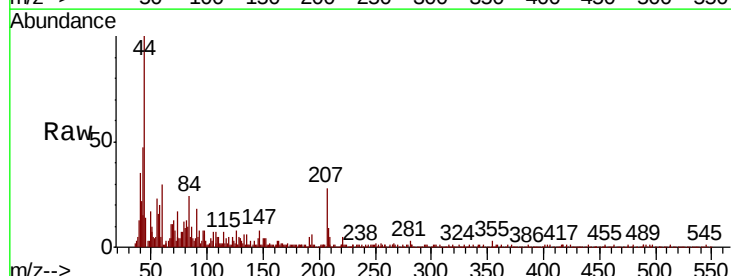
Tgt Ion:138 Resp: 76

Ion Ratio Lower Upper

138 100

108 73.6 9.4 14.0#

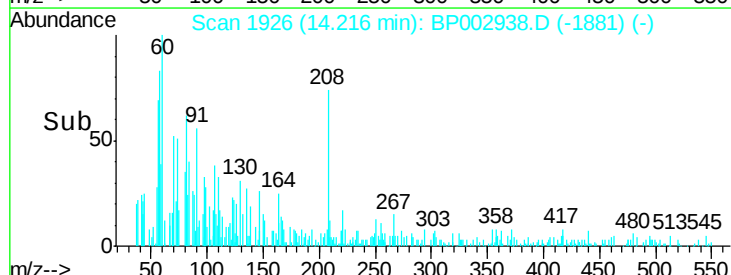
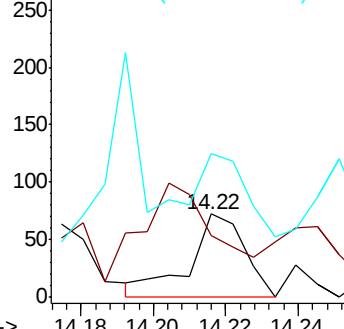
92 173.6 91.0 136.6#

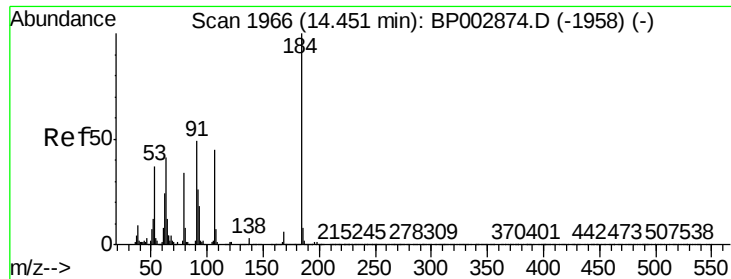


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BP0

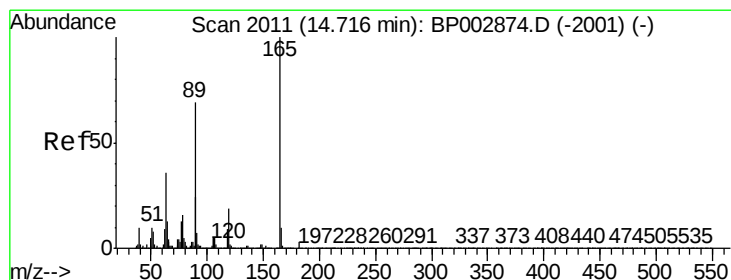
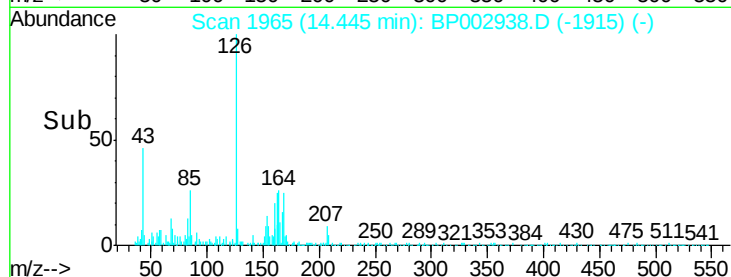
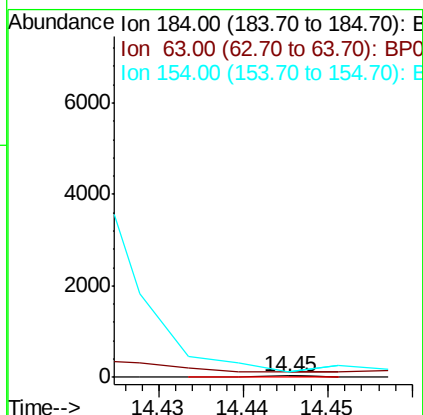
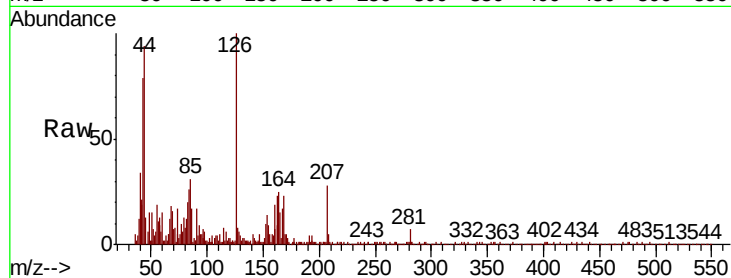




#54
2,4-Dinitrophenol
Concen: 8.061 ng
RT: 14.45 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

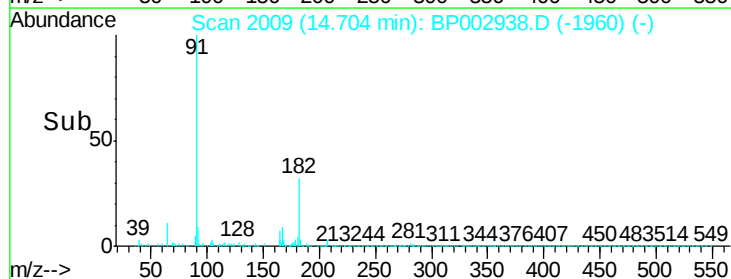
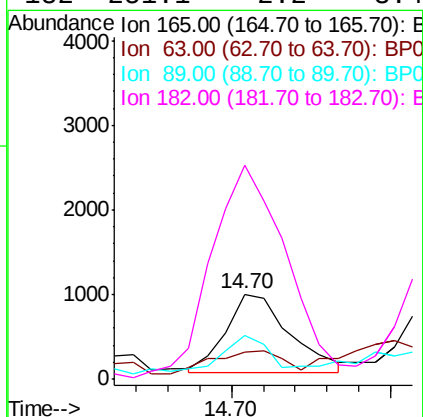
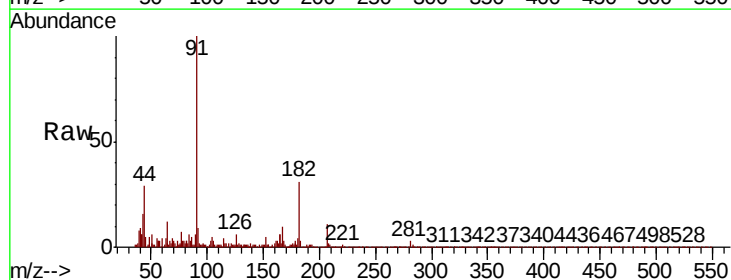
Instrument :
BNA_P
ClientSampleId :
TR-04-080620

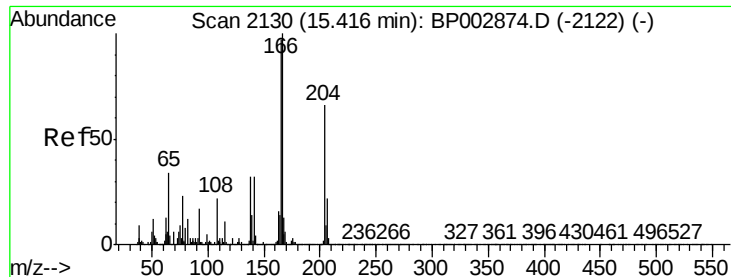
Tot Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 376.7 50.3 75.5#
154 433.3 50.6 76.0#



#57
2,4-Dinitrotoluene
Concen: 3.902 ng
RT: 14.70 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Tgt Ion:165 Resp: 1296
Ion Ratio Lower Upper
165 100
63 30.9 29.0 43.4
89 51.8 55.5 83.3#
182 251.1 2.2 3.4#

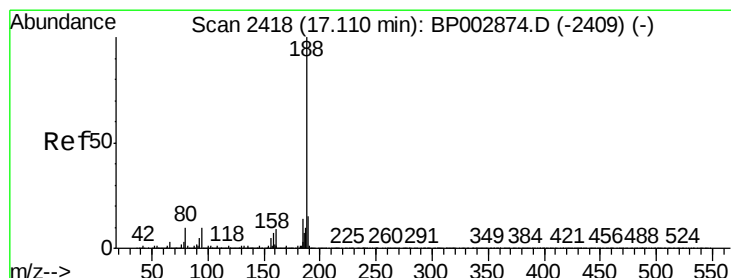
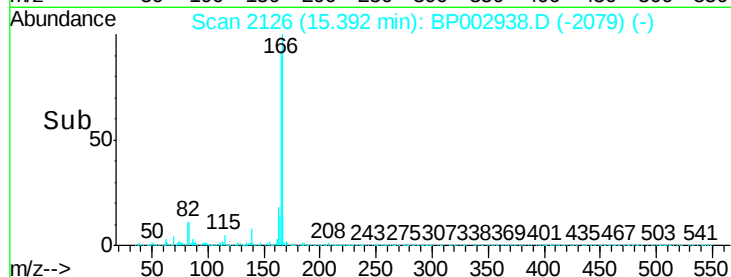
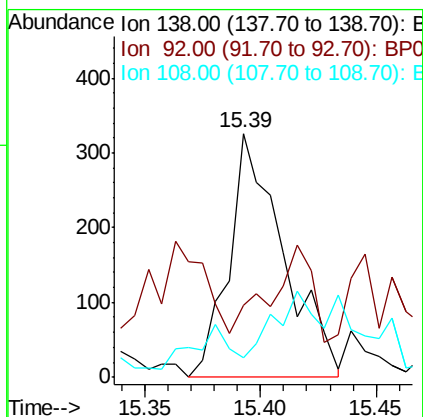
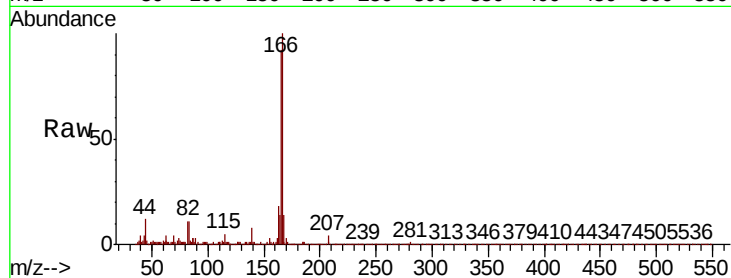




#62
4-Nitroaniline
Concen: 2.469 ng
RT: 15.39 min Scan# 2126
Delta R.T. -0.02 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

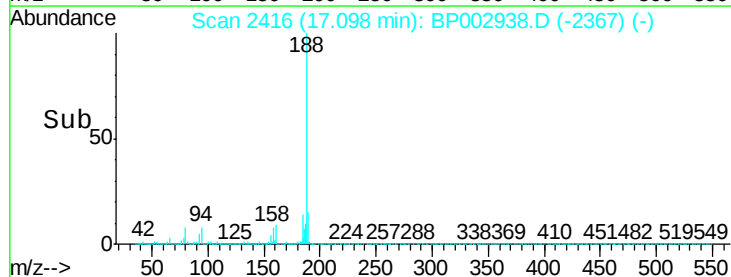
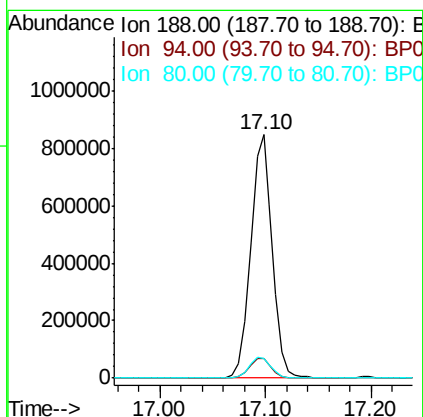
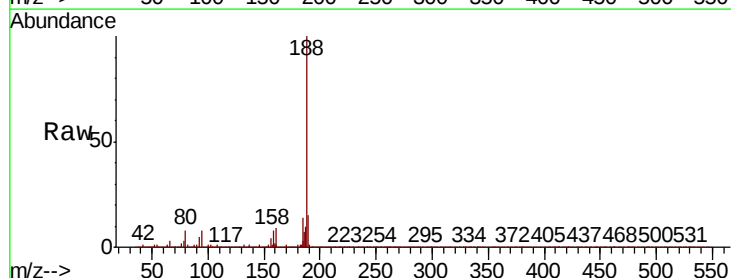
Instrument :
BNA_P
ClientSampleId :
TR-04-080620

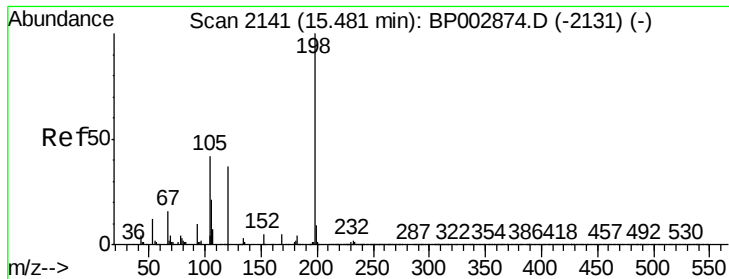
Tot Ion:138 Resp: 536
Ion Ratio Lower Upper
138 100
92 29.8 32.2 72.2#
108 8.0 50.0 90.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.10 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Tgt Ion:188 Resp: 1200736
Ion Ratio Lower Upper
188 100
94 8.3 7.8 11.6
80 8.3 8.0 12.0

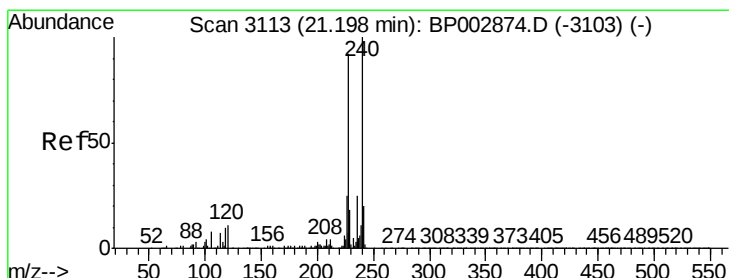
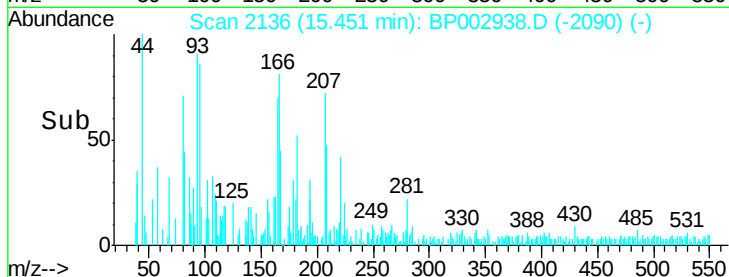
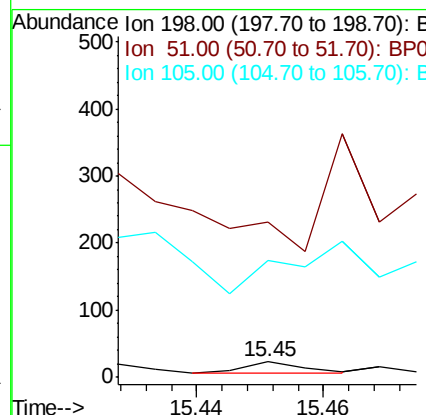
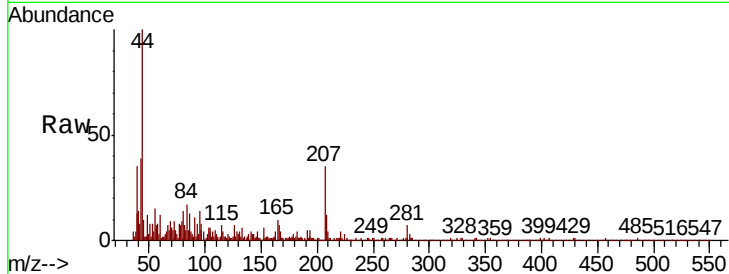




#65
4,6-Dinitro-2-methylphenol
Concen: 6.902 ng
RT: 15.45 min Scan# 2136
Delta R.T. -0.03 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

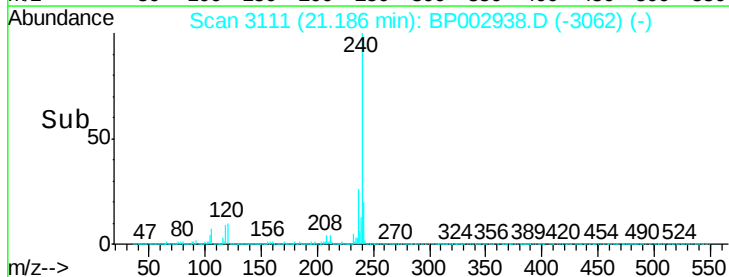
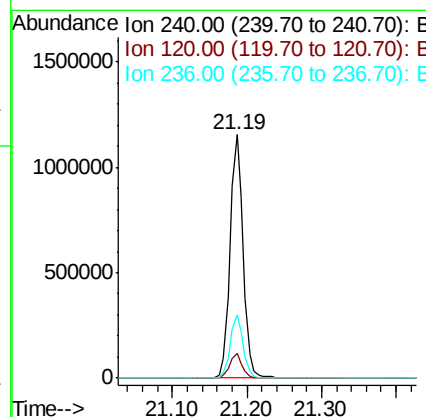
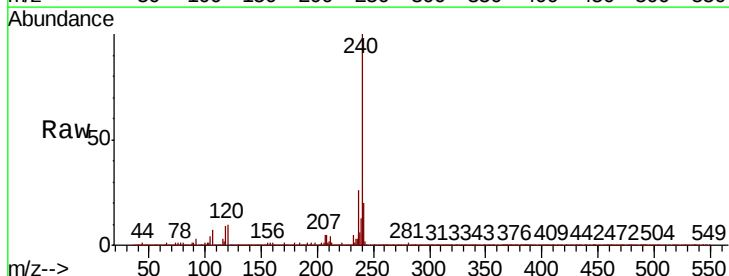
Instrument :
BNA_P
ClientSampleId :
TR-04-080620

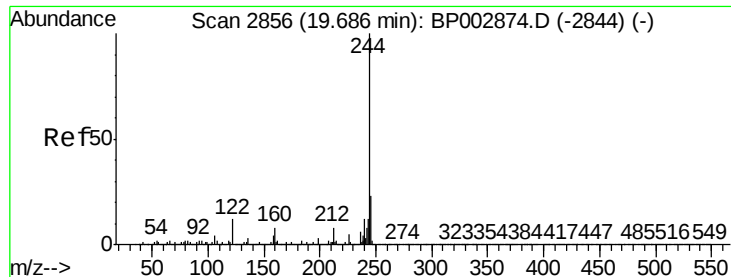
Tot Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 1008.7 11.6 51.6#
105 760.9 23.8 63.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3111
Delta R.T. -0.01 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Tgt Ion:240 Resp: 1412653
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.7 20.3 30.5





#79

Terphenyl-d14

Concen: 76.302 ng

RT: 19.67 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BP002938.D

Acq: 07 Aug 2020 18:35

Instrument :

BNA_P

ClientSampleId :

TR-04-080620

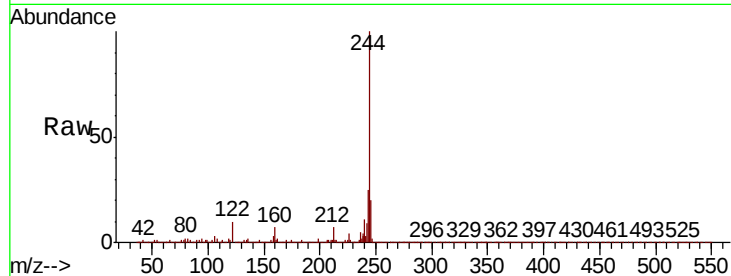
Tot Ion:244 Resp: 5384129

Ion Ratio Lower Upper

244 100

212 7.2 6.4 9.6

122 9.5 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

19.67

4000000

3000000

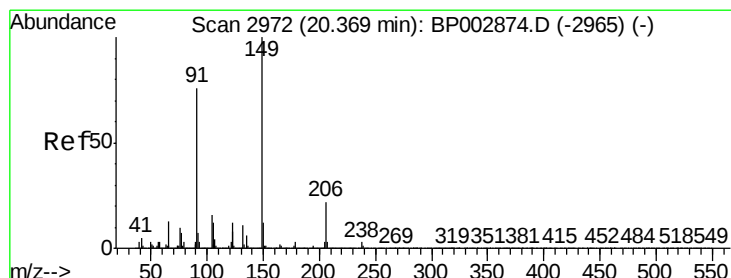
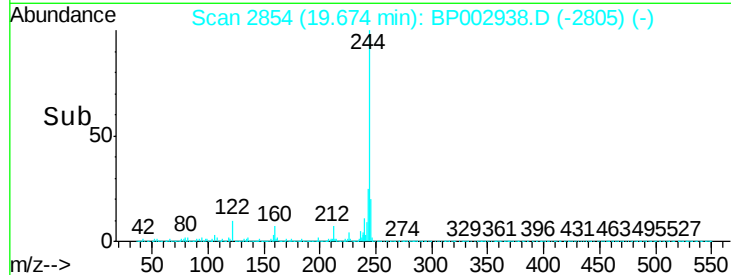
2000000

1000000

0

19.60 19.80

Time-->



#80

Butylbenzylphthalate

Concen: 3.079 ng

RT: 20.35 min Scan# 2969

Delta R.T. -0.02 min

Lab File: BP002938.D

Acq: 07 Aug 2020 18:35

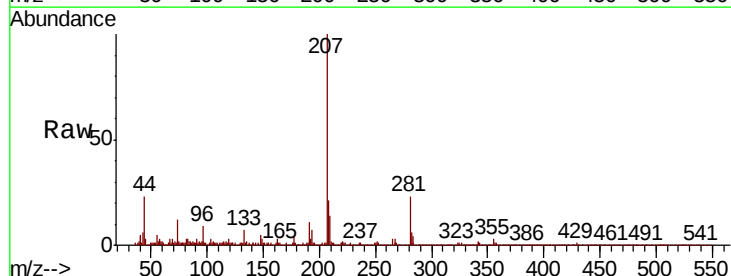
Tgt Ion:149 Resp: 910

Ion Ratio Lower Upper

149 100

91 88.6 60.5 90.7

206 32.2 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

1200

1000

800

600

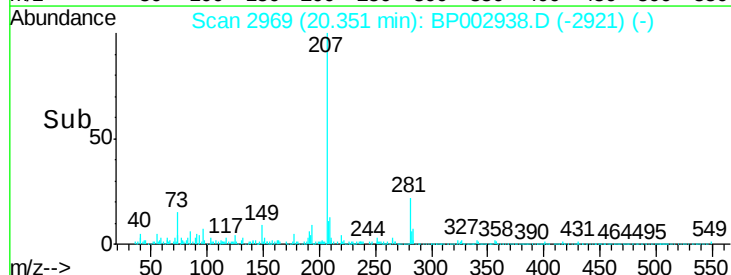
400

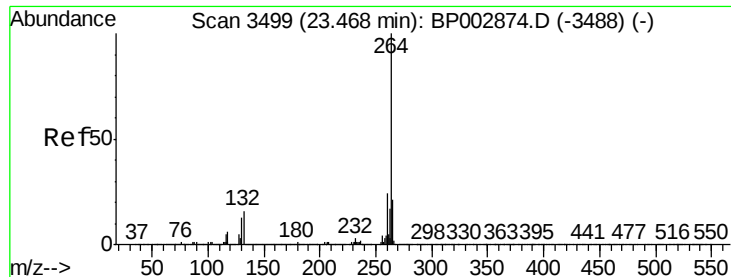
200

0

20.30 20.35

Time-->





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.44 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BP002938.D
Acq: 07 Aug 2020 18:35

Instrument :
BNA_P
ClientSampleId :
TR-04-080620

Tot Ion:264 Resp: 1614214

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.6
265	22.5	17.0	25.4

