

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP080620\
 Data File : BP002916.D
 Acq On : 06 Aug 2020 13:00
 Operator : CG/JU
 Sample : L3548-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CRT-019

Quant Time: Aug 06 14:14:41 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

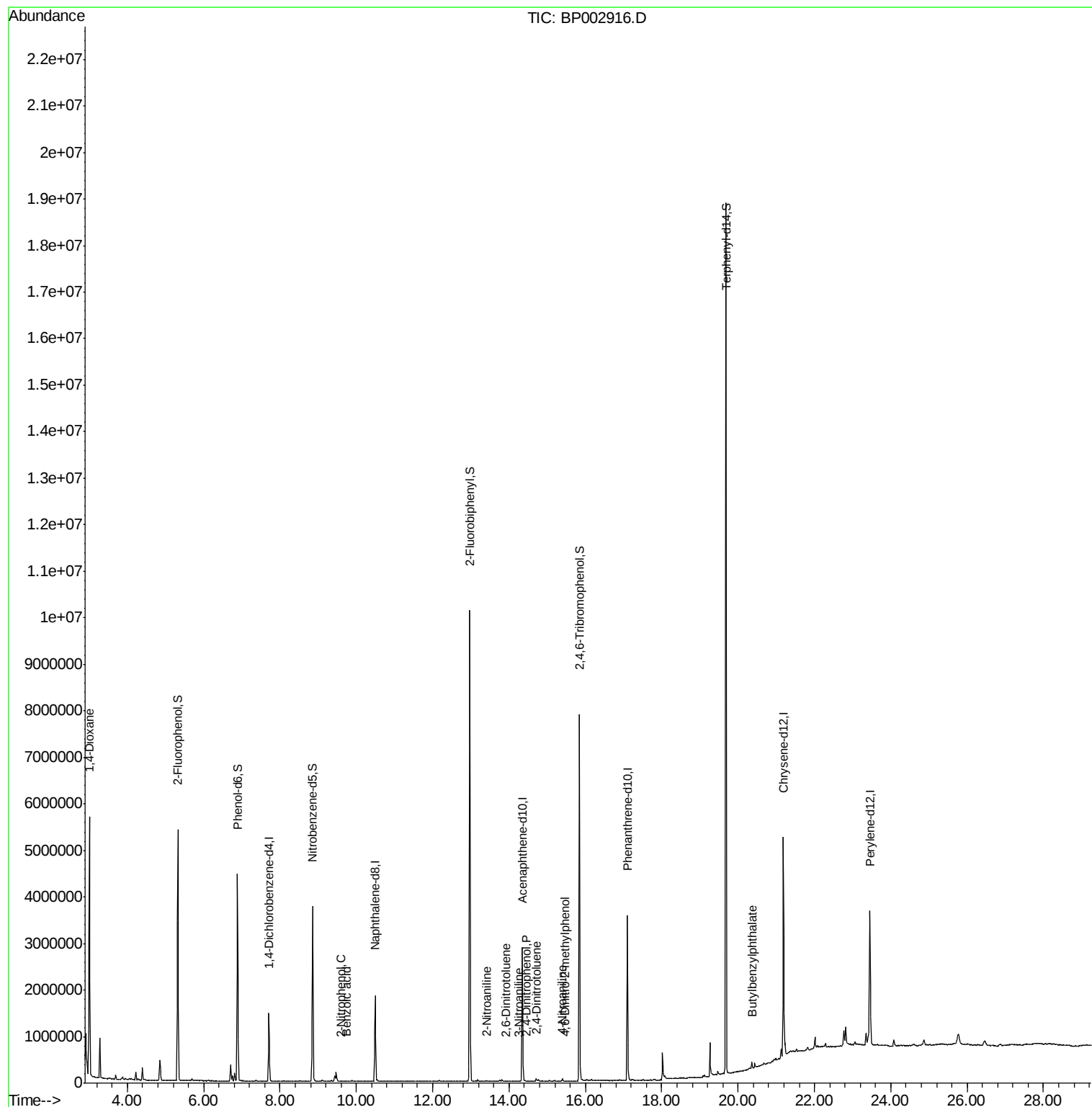
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	418854	20.00	ng	0.00
21) Naphthalene-d8	10.49	136	1601800	20.00	ng	0.00
39) Acenaphthene-d10	14.35	164	1005836	20.00	ng	-0.01
64) Phenanthrene-d10	17.10	188	2197084	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	2218915	20.00	ng	0.00
86) Perylene-d12	23.45	264	2151234	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	2688495	98.24	ng	0.00
7) Phenol-d6	6.89	99	2920047	76.85	ng	0.00
23) Nitrobenzene-d5	8.86	82	2259816	76.41	ng	0.00
42) 2,4,6-Tribromophenol	15.84	330	1649846	131.97	ng	0.00
45) 2-Fluorobiphenyl	12.97	172	5580668	75.81	ng	0.00
79) Terphenyl-d14	19.68	244	8399542	75.78	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.00	88	49802	4.239	ng	# 1
26) 2-Nitrophenol	9.58	139	257	4.538	ng	# 1
32) Benzoic acid	9.74	122	5346	7.988	ng	# 85
48) 2-Nitroaniline	13.41	65	1007	4.028	ng	# 52
51) 2,6-Dinitrotoluene	13.91	165	796	2.942	ng	# 88
53) 3-Nitroaniline	14.25	138	977	3.322	ng	# 14
54) 2,4-Dinitrophenol	14.45	184	65	8.065	ng	# 1
57) 2,4-Dinitrotoluene	14.72	165	6400	4.058	ng	# 60
62) 4-Nitroaniline	15.40	138	2694	2.556	ng	# 79
65) 4,6-Dinitro-2-methylphenol	15.46	198	71	6.906	ng	# 1
80) Butylbenzylphthalate	20.36	149	48553	3.779	ng	# 94

(#) = 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: BP002916.D

Acq: 06 Aug 2020 13:00

Instrument :

BNA_P

ClientSampled :

CRT-019

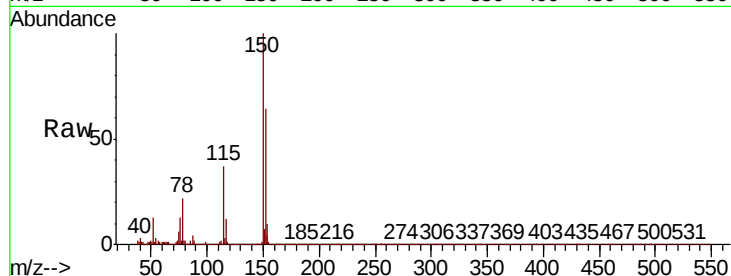
Tot Ion:152 Resp: 418854

Ion Ratio Lower Upper

152 100

150 155.4 124.8 187.2

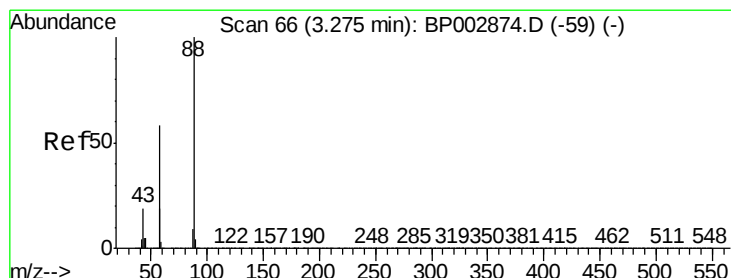
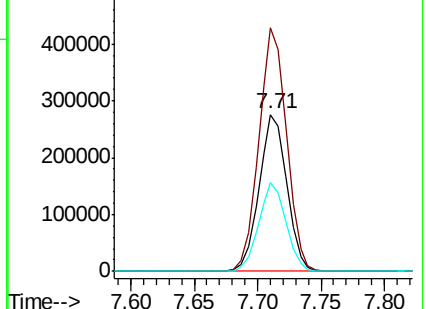
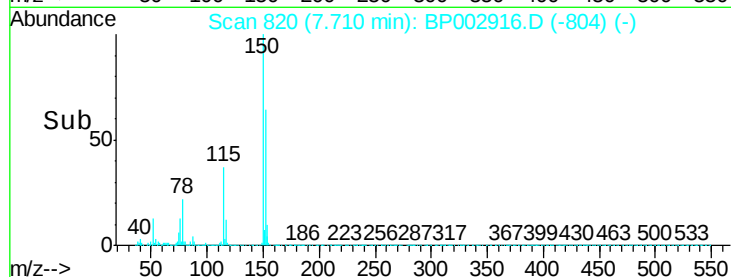
115 57.0 47.4 71.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 4.239 ng

RT: 3.00 min Scan# 20

Delta R.T. -0.27 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

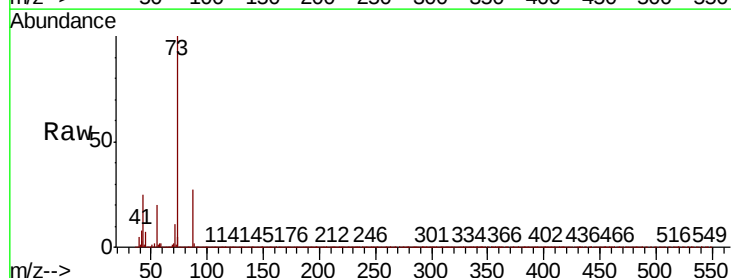
Tgt Ion: 88 Resp: 49802

Ion Ratio Lower Upper

88 100

58 21.5 47.4 71.0#

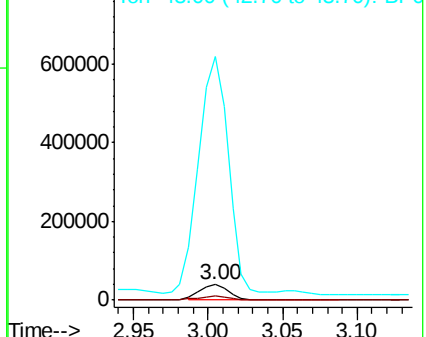
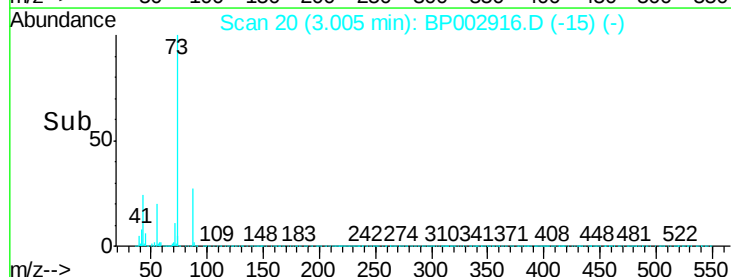
43 1544.7 15.2 22.8#

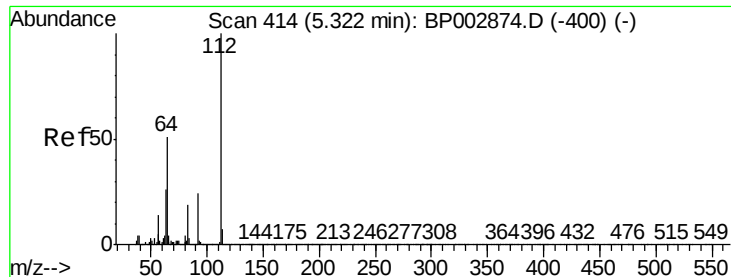


Abundance Ion 88.00 (87.70 to 88.70): BP0

Ion 58.00 (57.70 to 58.70): BP0

Ion 43.00 (42.70 to 43.70): BP0





#5

2-Fluorophenol

Concen: 98.238 ng

RT: 5.32 min Scan# 414

Delta R.T. -0.00 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

Instrument :

BNA_P

ClientSampled :

CRT-019

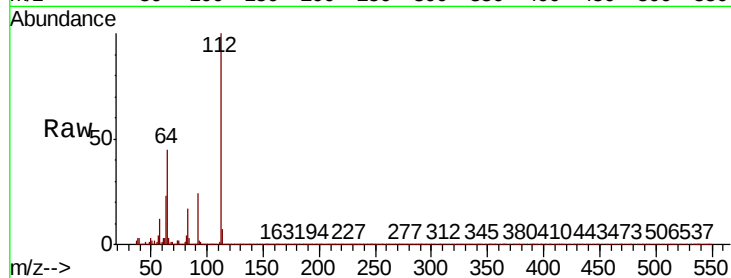
Tot Ion: 112 Resp: 2688495

Ion Ratio Lower Upper

112 100

64 44.8 41.0 61.6

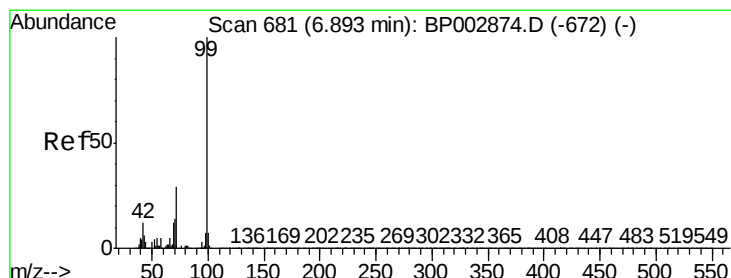
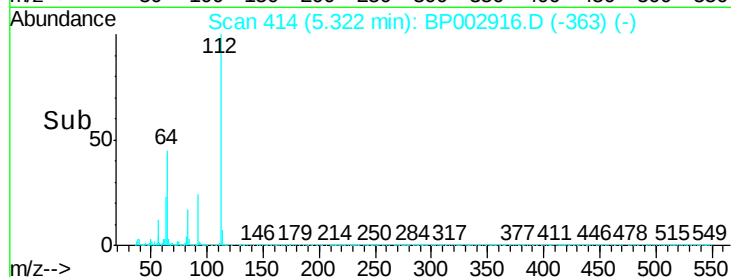
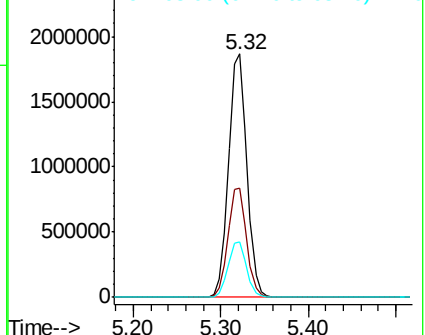
63 22.6 20.7 31.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0



#7

Phenol-d6

Concen: 76.852 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

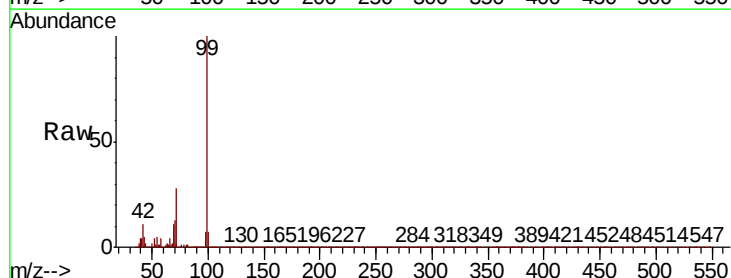
Tgt Ion: 99 Resp: 2920047

Ion Ratio Lower Upper

99 100

42 10.6 9.3 13.9

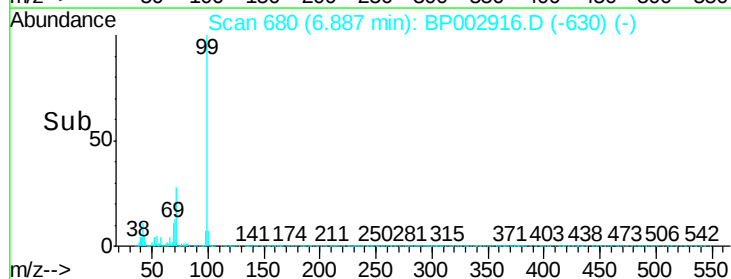
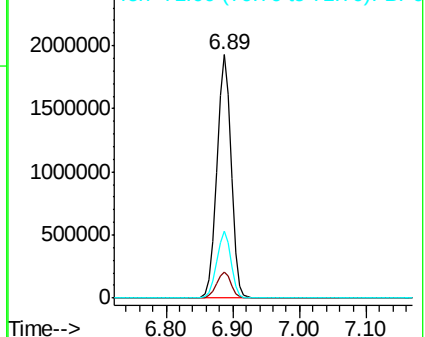
71 27.6 23.5 35.3

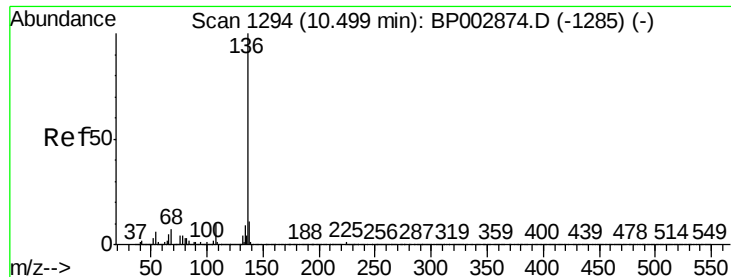


Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

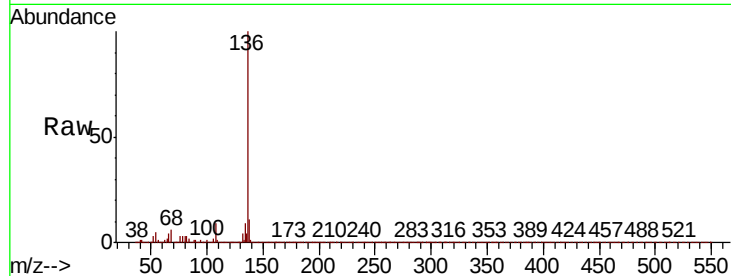




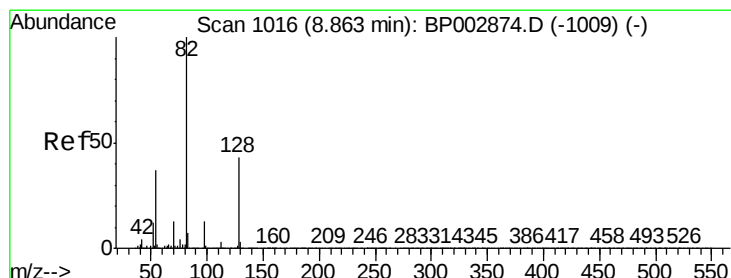
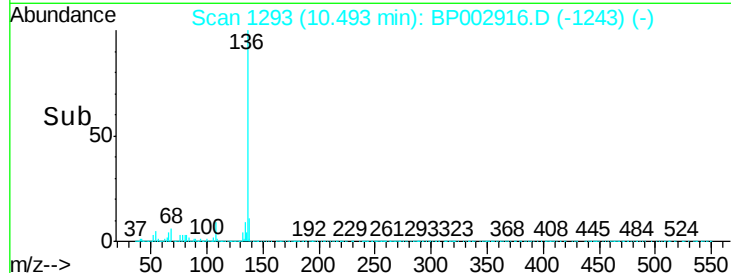
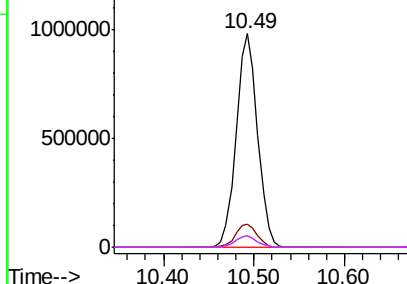
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.49 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

Instrument :
BNA_P
ClientSampleId :
CRT-019

Tot Ion:136	Resp: 1601800
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 5.4	5.1 7.7
68 5.5	5.3 7.9

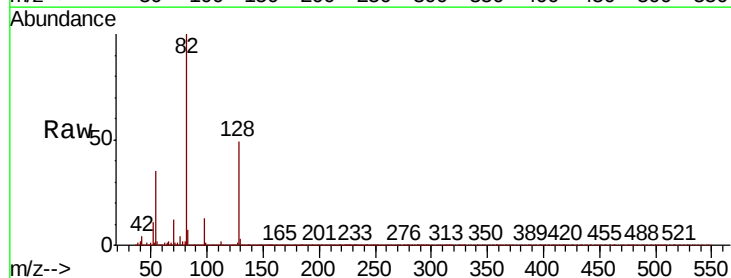


Abundance Ion 136.00 (135.70 to 136.70): E
1500000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

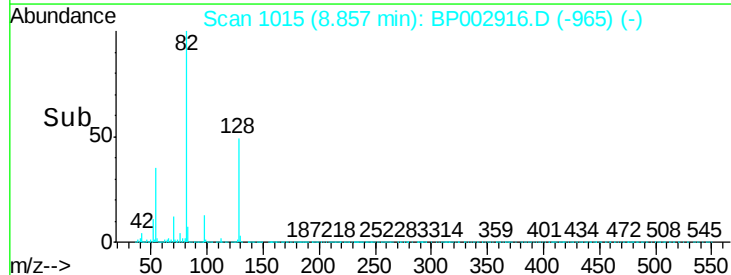
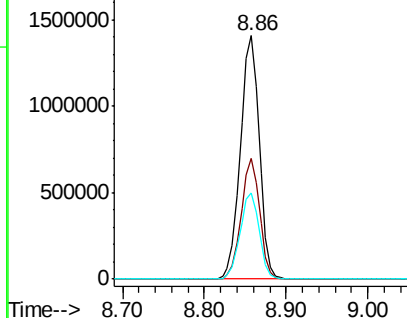


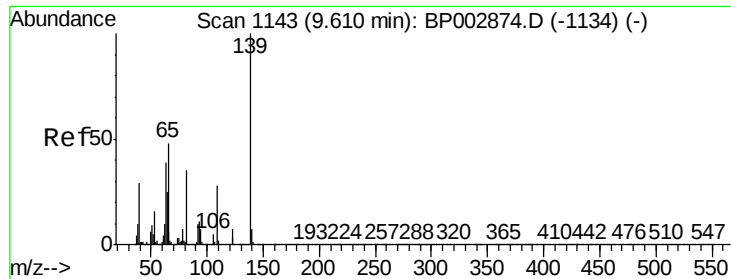
#23
Nitrobenzene-d5
Concen: 76.412 ng
RT: 8.86 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

Tgt Ion: 82	Resp: 2259816
Ion Ratio	Lower Upper
82 100	
128 49.5	34.6 52.0
54 35.3	29.5 44.3



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

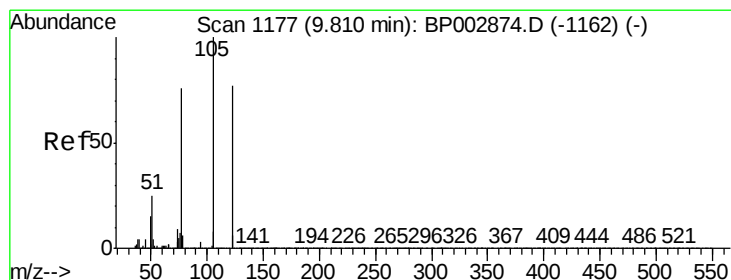
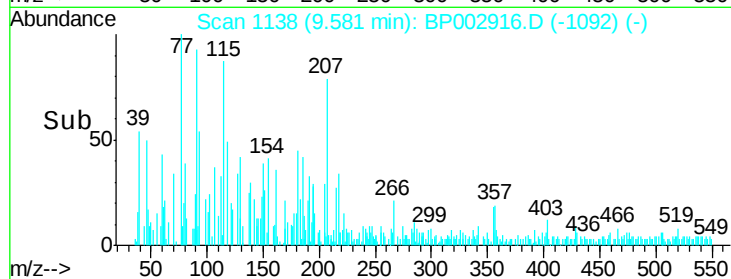
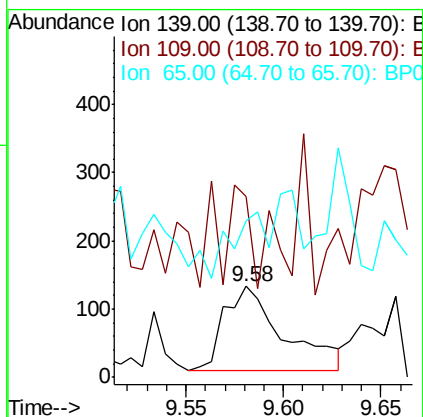
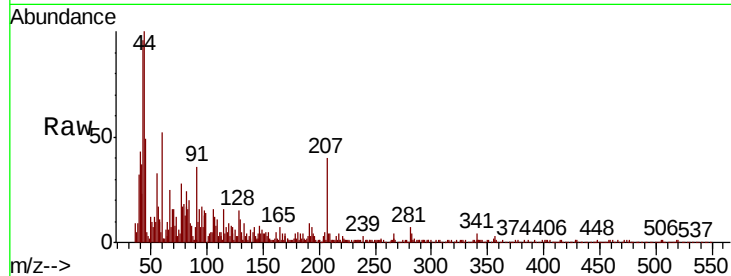




#26
2-Nitrophenol
Concen: 4.538 ng
RT: 9.58 min Scan# 1138
Delta R.T. -0.03 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

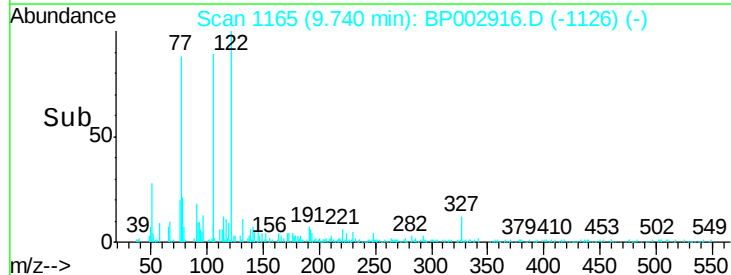
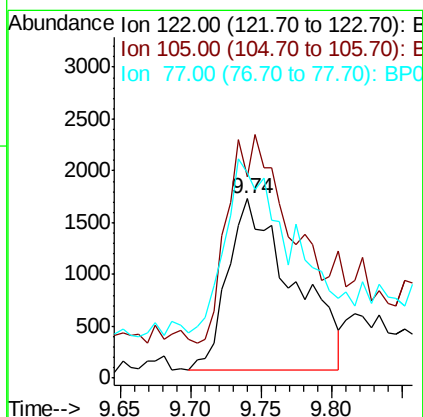
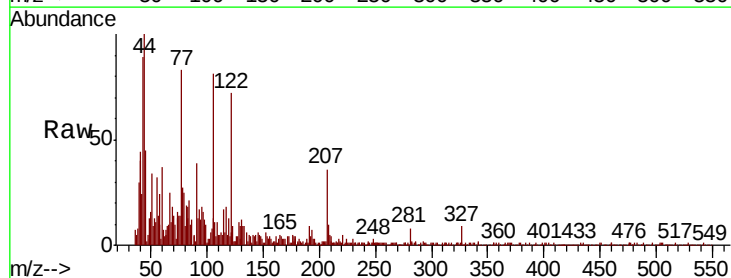
Instrument :
BNA_P
ClientSampled :
CRT-019

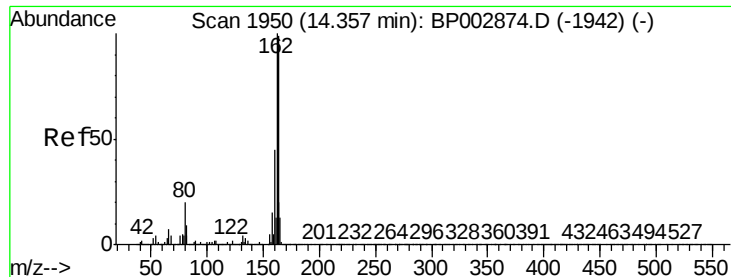
Tot Ion	Ratio	Lower	Upper
139	100		
109	199.2	22.2	33.2#
65	172.2	38.9	58.3#



#32
Benzoic acid
Concen: 7.988 ng
RT: 9.74 min Scan# 1165
Delta R.T. -0.07 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	112.2	103.4	143.4
77	114.5	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: BP002916.D

Acq: 06 Aug 2020 13:00

Instrument :

BNA_P

ClientSampleId :

CRT-019

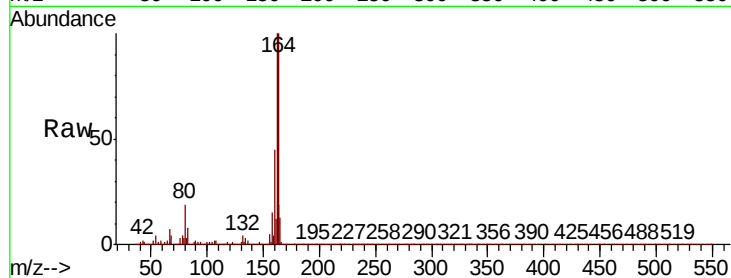
Tot Ion:164 Resp: 1005836

Ion Ratio Lower Upper

164 100

162 99.9 81.0 121.6

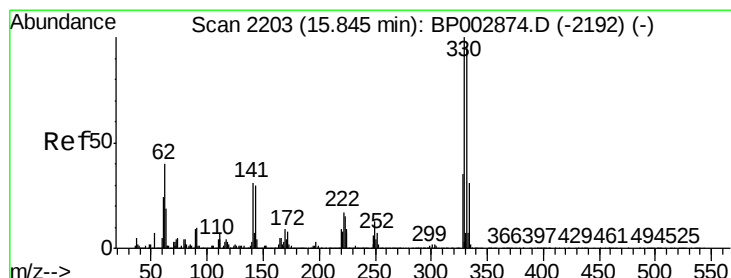
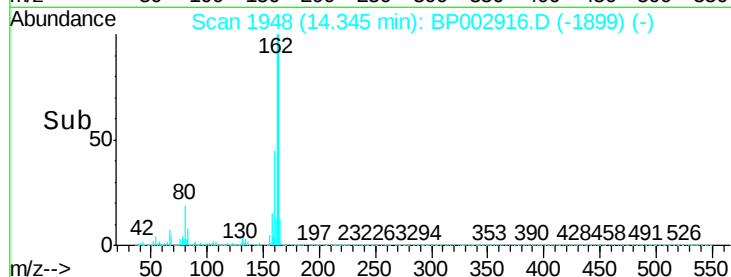
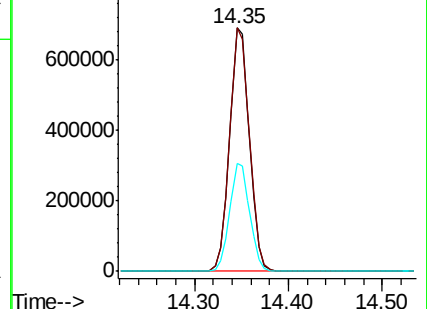
160 44.5 36.2 54.4



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: 131.973 ng

RT: 15.84 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

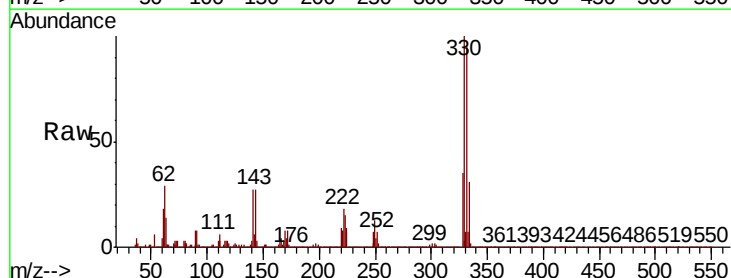
Tgt Ion:330 Resp: 1649846

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

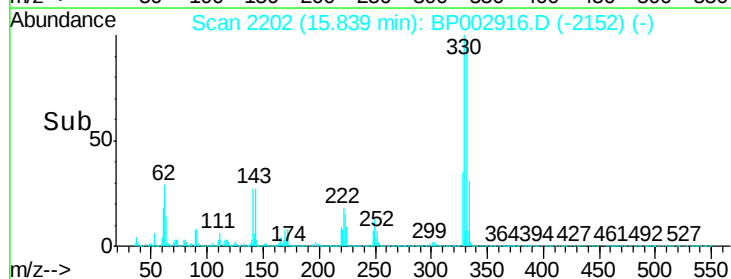
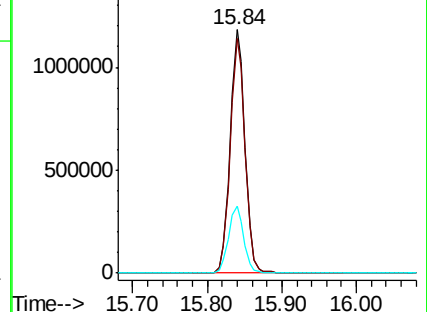
141 28.2 24.6 37.0

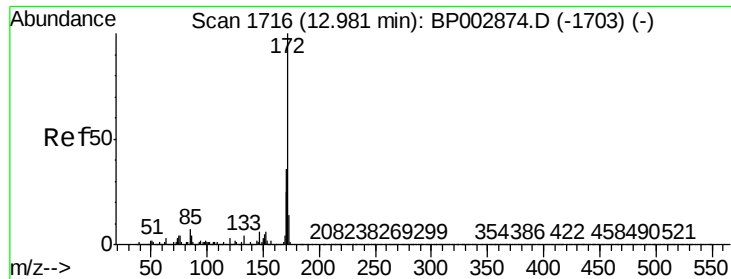


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

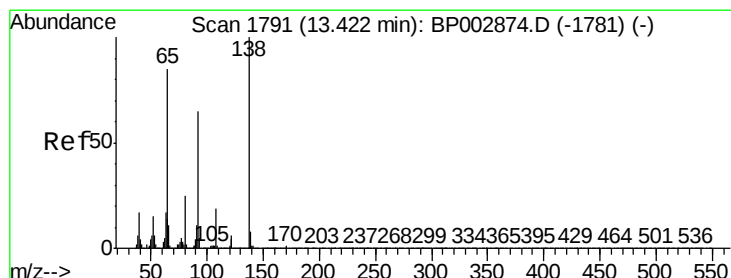
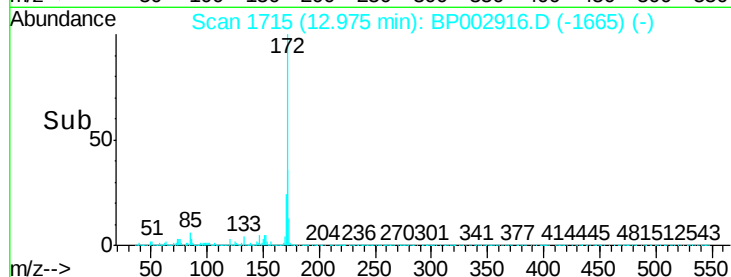
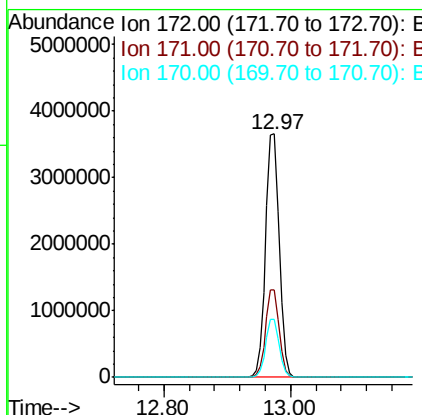
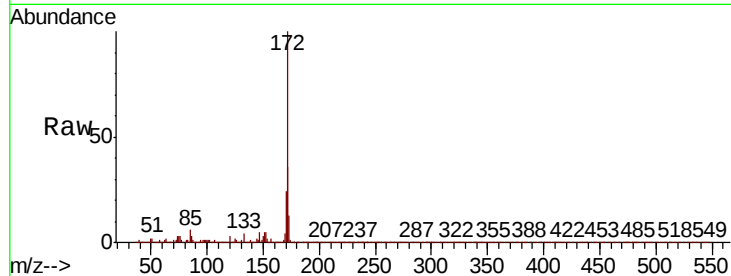




#45
2-Fluorobiphenyl
Concen: 75.806 ng
RT: 12.97 min Scan# 1715
Delta R.T. -0.01 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

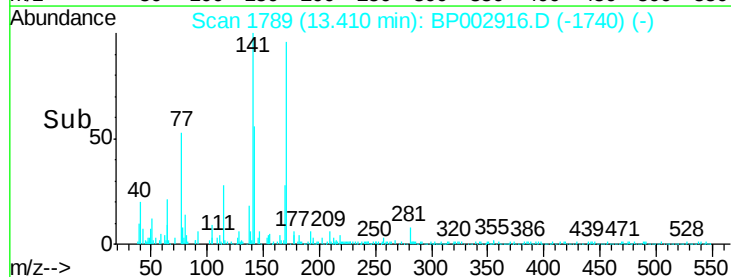
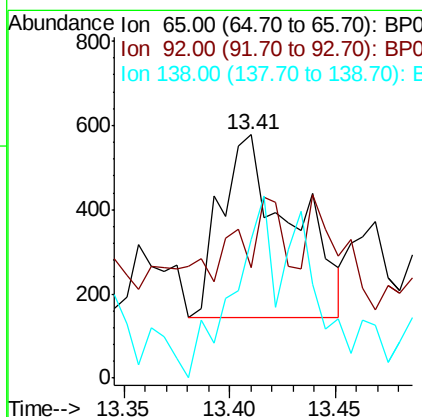
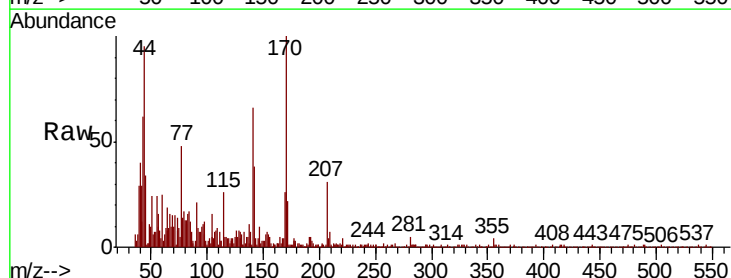
Instrument :
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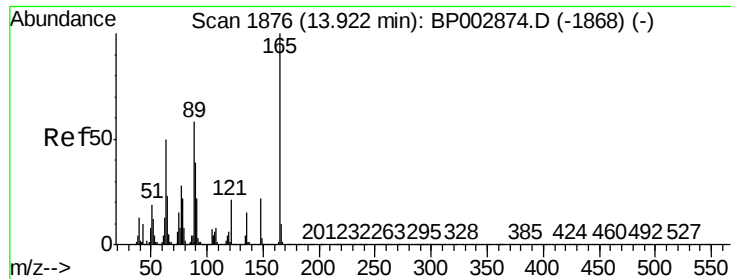
Tot Ion:172 Resp: 5580668
Ion Ratio Lower Upper
172 100
171 36.0 29.1 43.7
170 24.0 19.6 29.4



#48
2-Nitroaniline
Concen: 4.028 ng
RT: 13.41 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

Tgt Ion: 65 Resp: 1007
Ion Ratio Lower Upper
65 100
92 45.3 61.4 92.0#
138 57.1 94.2 141.4#

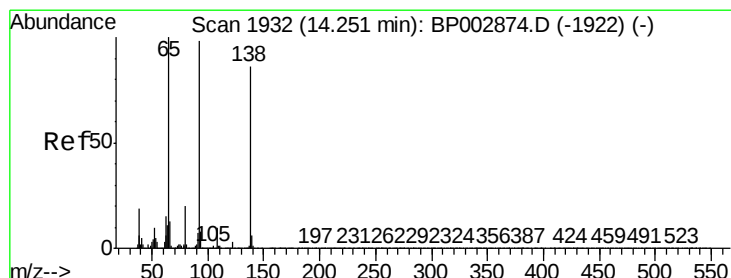
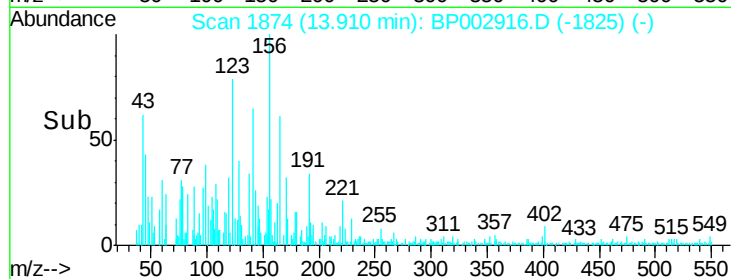
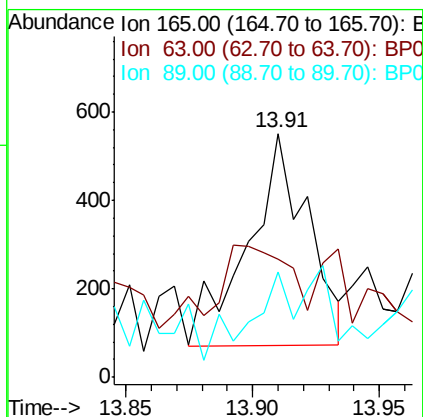
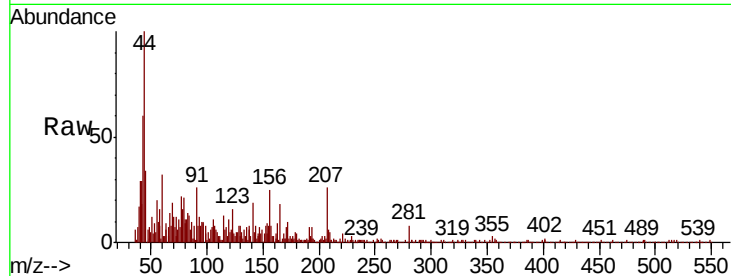




#51
 2,6-Dinitrotoluene
 Concen: 2.942 ng
 RT: 13.91 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BP002916.D
 Acq: 06 Aug 2020 13:00

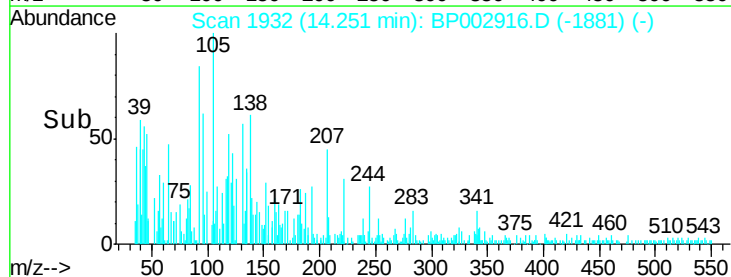
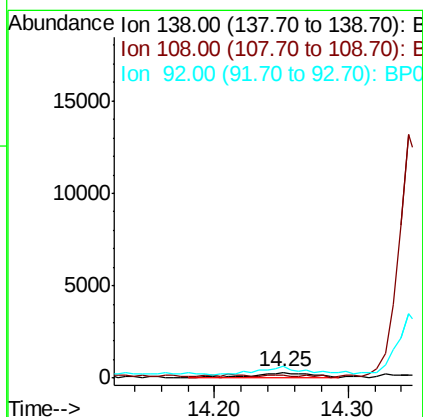
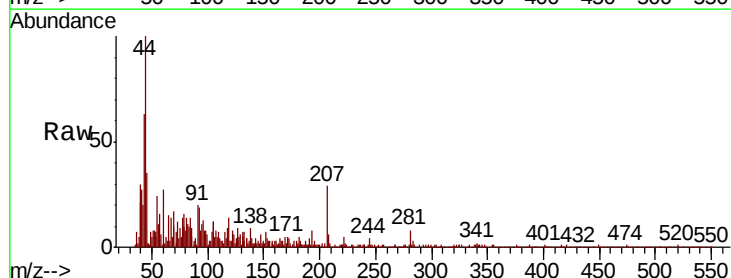
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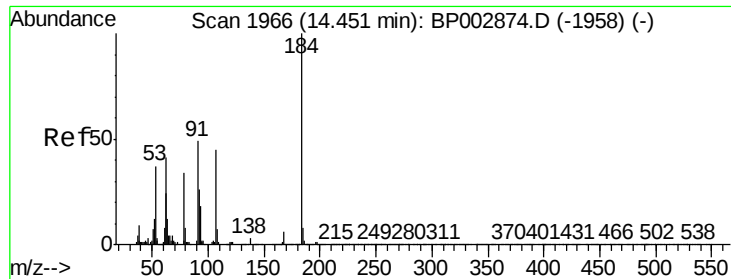
Tot Ion:165 Resp: 796
 Ion Ratio Lower Upper
 165 100
 63 48.5 40.3 60.5
 89 43.0 46.5 69.7#



#53
 3-Nitroaniline
 Concen: 3.322 ng
 RT: 14.25 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: BP002916.D
 Acq: 06 Aug 2020 13:00

Tgt Ion:138 Resp: 977
 Ion Ratio Lower Upper
 138 100
 108 56.1 9.4 14.0#
 92 203.3 91.0 136.6#

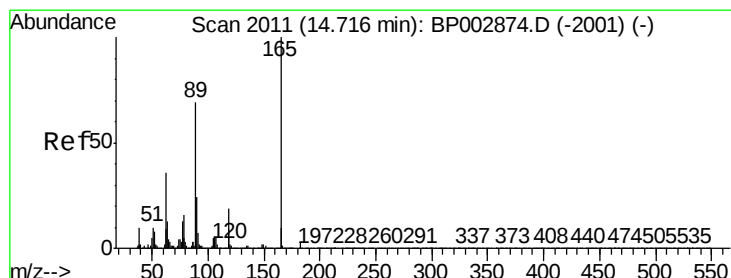
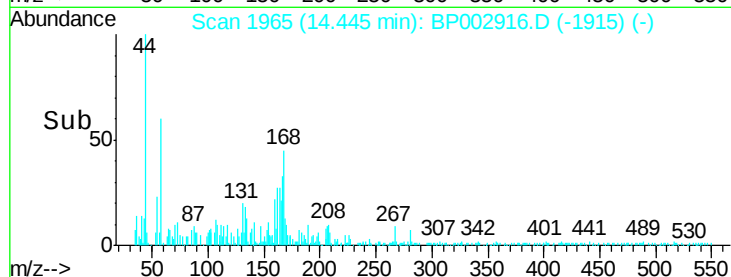
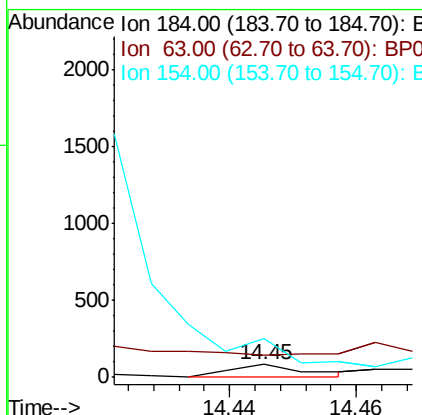
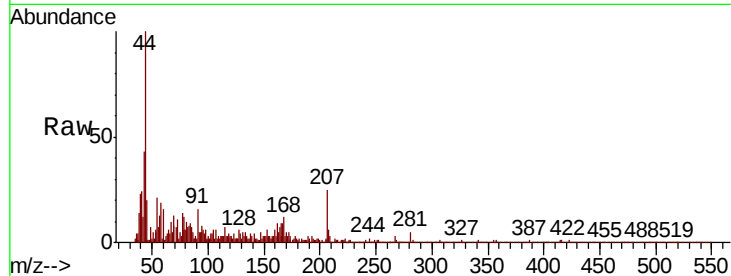




#54
2,4-Dinitrophenol
Concen: 8.065 ng
RT: 14.45 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

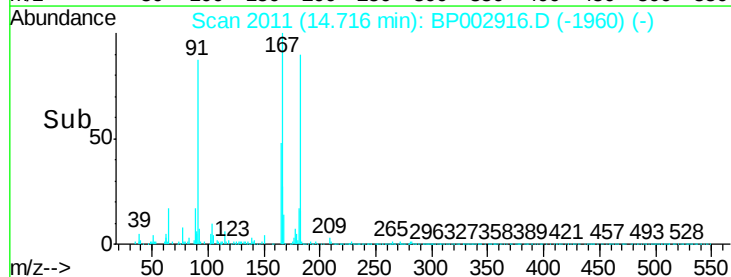
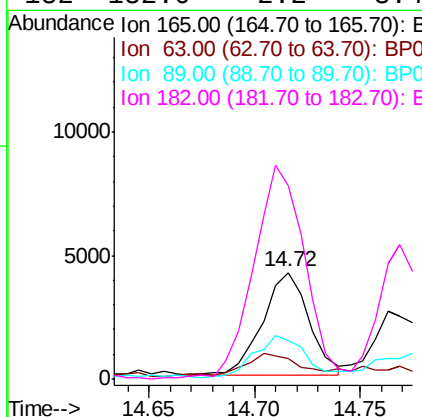
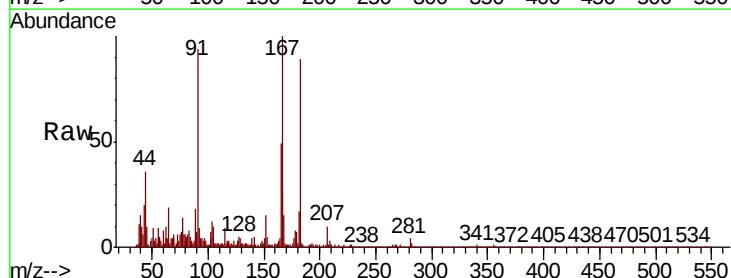
Instrument :
BNA_P
ClientSampleId :
CRT-019

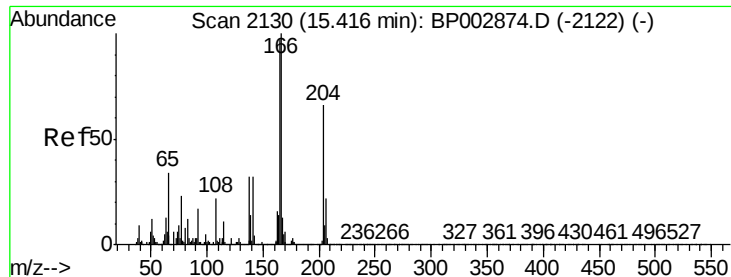
Tot Ion:184 Resp: 65
Ion Ratio Lower Upper
184 100
63 133.9 50.3 75.5#
154 231.2 50.6 76.0#



#57
2,4-Dinitrotoluene
Concen: 4.058 ng
RT: 14.72 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

Tgt Ion:165 Resp: 6400
Ion Ratio Lower Upper
165 100
63 19.7 29.0 43.4#
89 47.5 55.5 83.3#
182 182.0 2.2 3.4#





#62

4-Nitroaniline

Concen: 2.556 ng

RT: 15.40 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

Instrument :

BNA_P

ClientSampled :

CRT-019

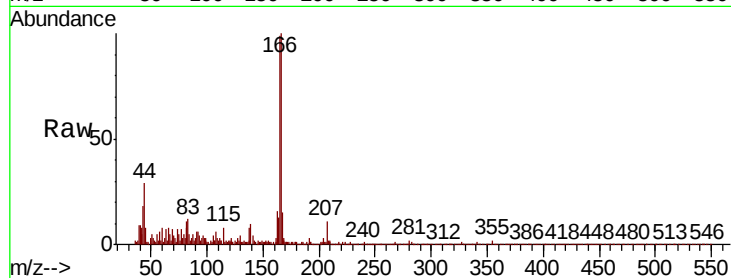
Tot Ion:138 Resp: 2694

Ion Ratio Lower Upper

138 100

92 75.6 32.2 72.2#

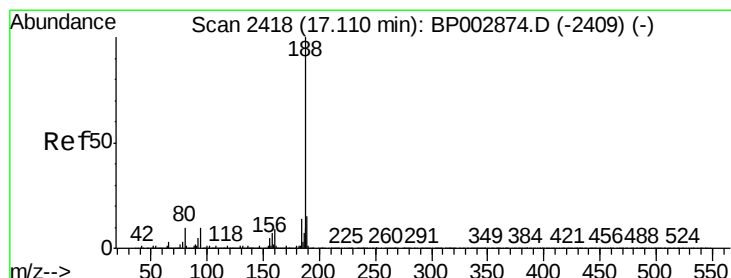
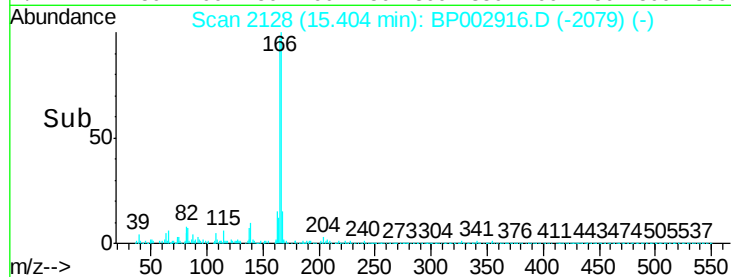
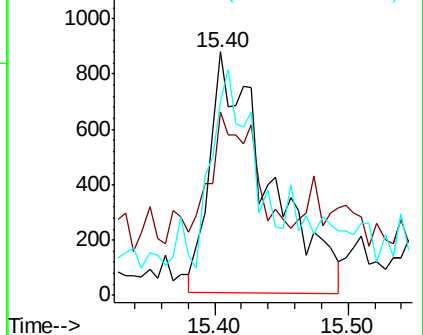
108 79.3 50.0 90.0



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# 2416

Delta R.T. -0.01 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

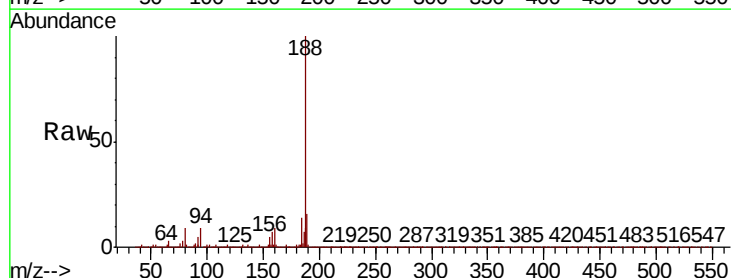
Tgt Ion:188 Resp: 2197084

Ion Ratio Lower Upper

188 100

94 9.0 7.8 11.6

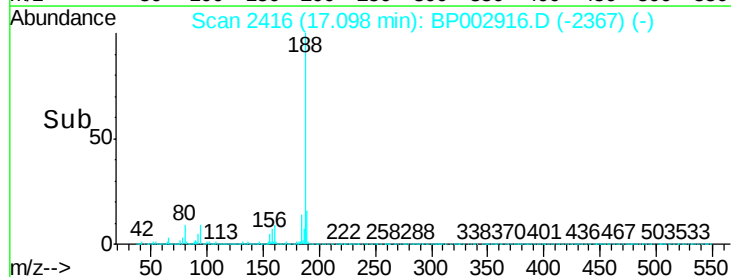
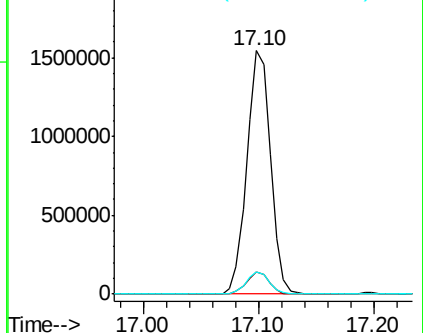
80 9.1 8.0 12.0

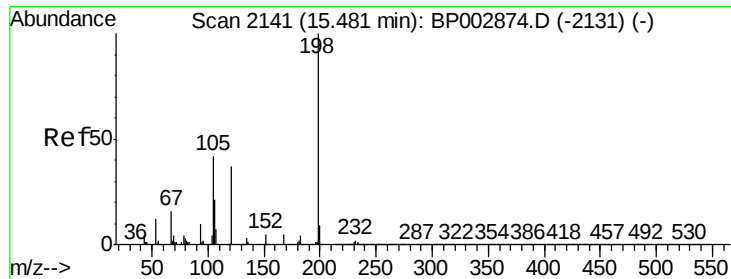


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.906 ng

RT: 15.46 min Scan# 2138

Delta R.T. -0.02 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

Instrument :

BNA_P

ClientSampleId :

CRT-019

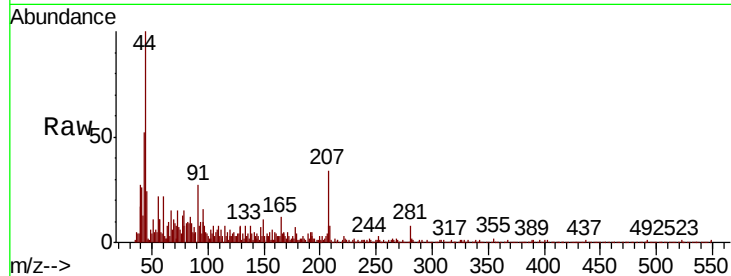
Tot Ion:198 Resp: 71

Ion Ratio Lower Upper

198 100

51 1141.2 11.6 51.6#

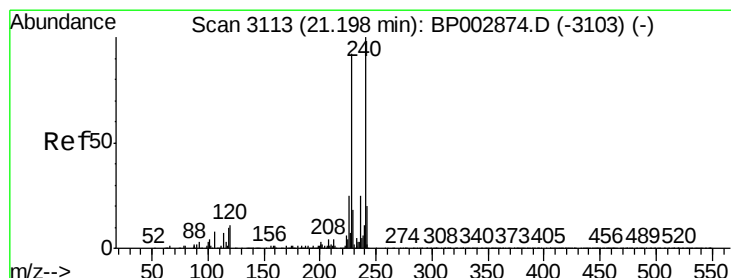
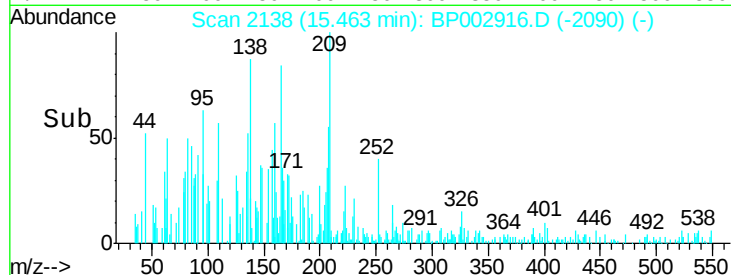
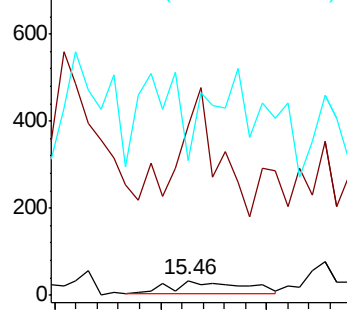
105 914.7 23.8 63.8#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.19 min Scan# 3112

Delta R.T. -0.01 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

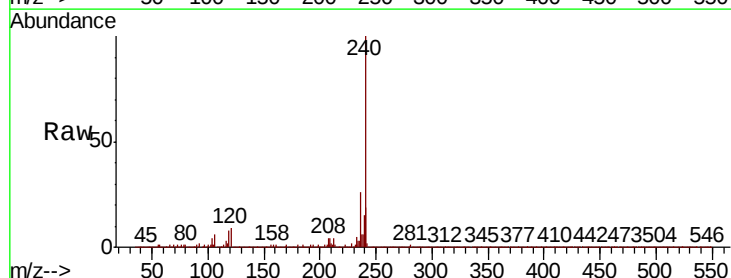
Tgt Ion:240 Resp: 2218915

Ion Ratio Lower Upper

240 100

120 9.3 8.9 13.3

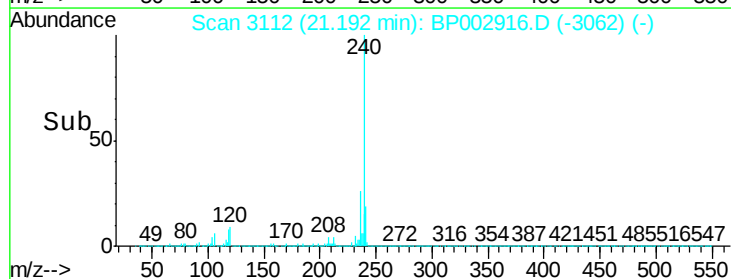
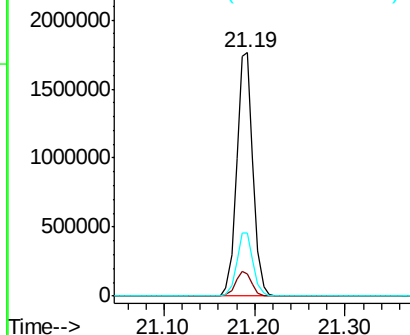
236 25.9 20.3 30.5

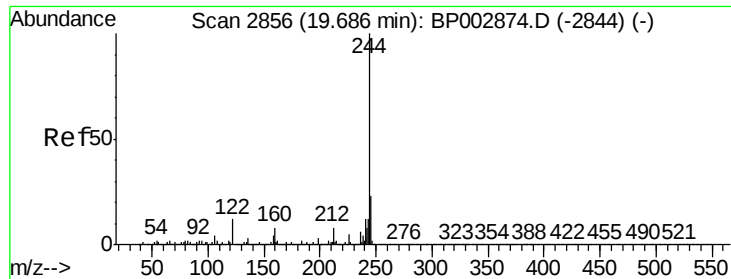


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 75.783 ng

RT: 19.68 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

Instrument :

BNA_P

ClientSampleId :

CRT-019

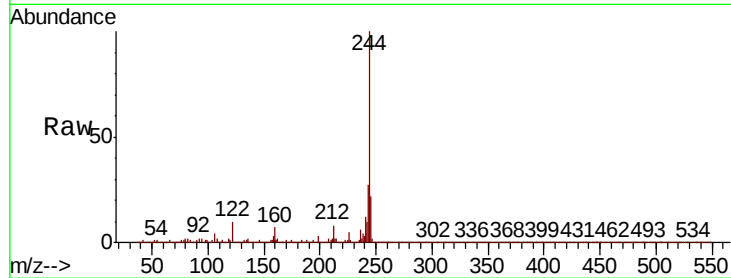
Tot Ion:244 Resp: 8399542

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

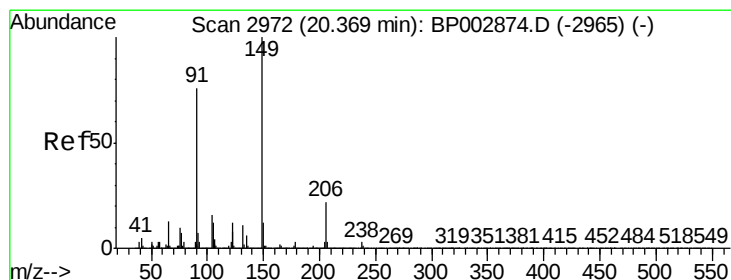
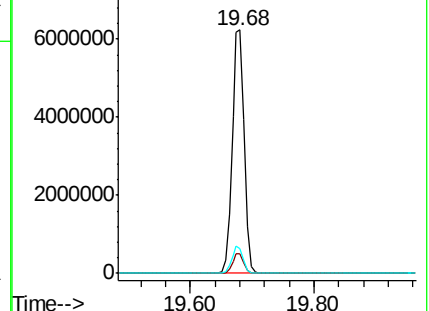
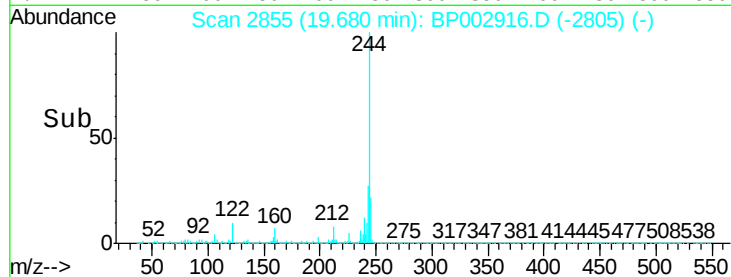
122 10.4 9.4 14.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 3.779 ng

RT: 20.36 min Scan# 2970

Delta R.T. -0.01 min

Lab File: BP002916.D

Acq: 06 Aug 2020 13:00

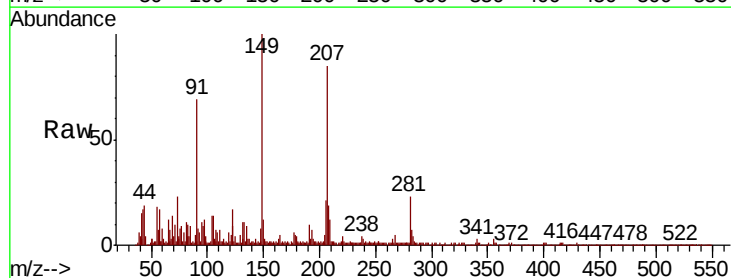
Tgt Ion:149 Resp: 48553

Ion Ratio Lower Upper

149 100

91 69.2 60.5 90.7

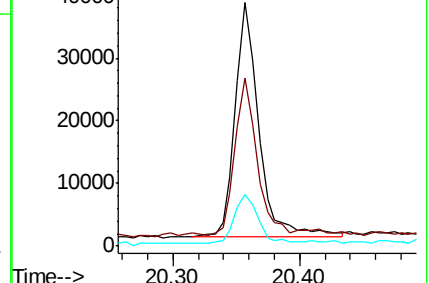
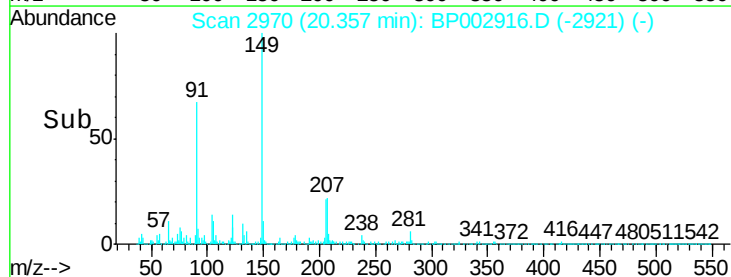
206 21.0 17.5 26.3

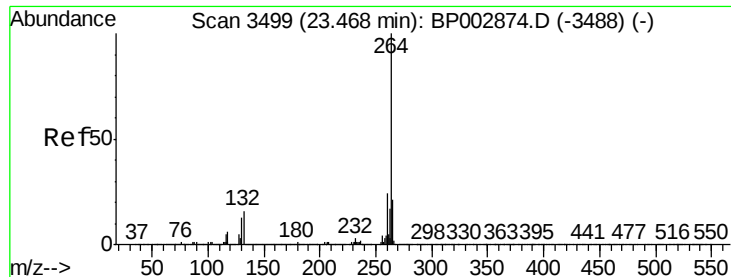


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BP0

Ion 206.00 (205.70 to 206.70): E



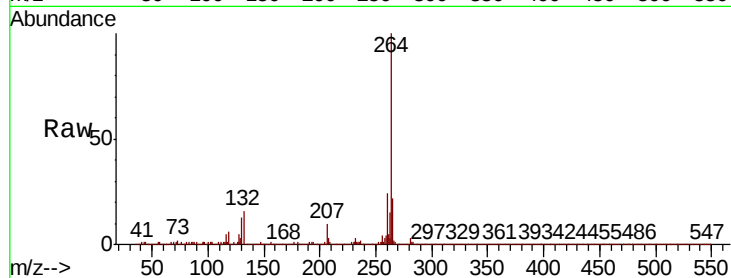


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.45 min Scan# 3496
Delta R.T. -0.02 min
Lab File: BP002916.D
Acq: 06 Aug 2020 13:00

Instrument :
BNA_P
ClientSampleId :
CRT-019

Tot Ion:264 Resp: 2151234

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.6
265	21.9	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

