

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081420\
 Data File : BP002991.D
 Acq On : 14 Aug 2020 18:45
 Operator : CG/JU
 Sample : L3639-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Aug 17 01:09:35 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	412077	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	1439387	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	828311	20.00	ng	-0.01
64) Phenanthrene-d10	17.08	188	1877824	20.00	ng	-0.01
76) Chrysene-d12	21.17	240	1817013	20.00	ng	-0.01
86) Perylene-d12	23.42	264	2014275	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1904726	70.74	ng	0.00
7) Phenol-d6	6.87	99	2580414	69.03	ng	-0.01
23) Nitrobenzene-d5	8.83	82	1268368	47.73	ng	-0.01
42) 2,4,6-Tribromophenol	15.82	330	897631	87.19	ng	-0.01
45) 2-Fluorobiphenyl	12.95	172	3169969	52.29	ng	-0.01
79) Terphenyl-d14	19.66	244	3821840	42.11	ng	-0.01

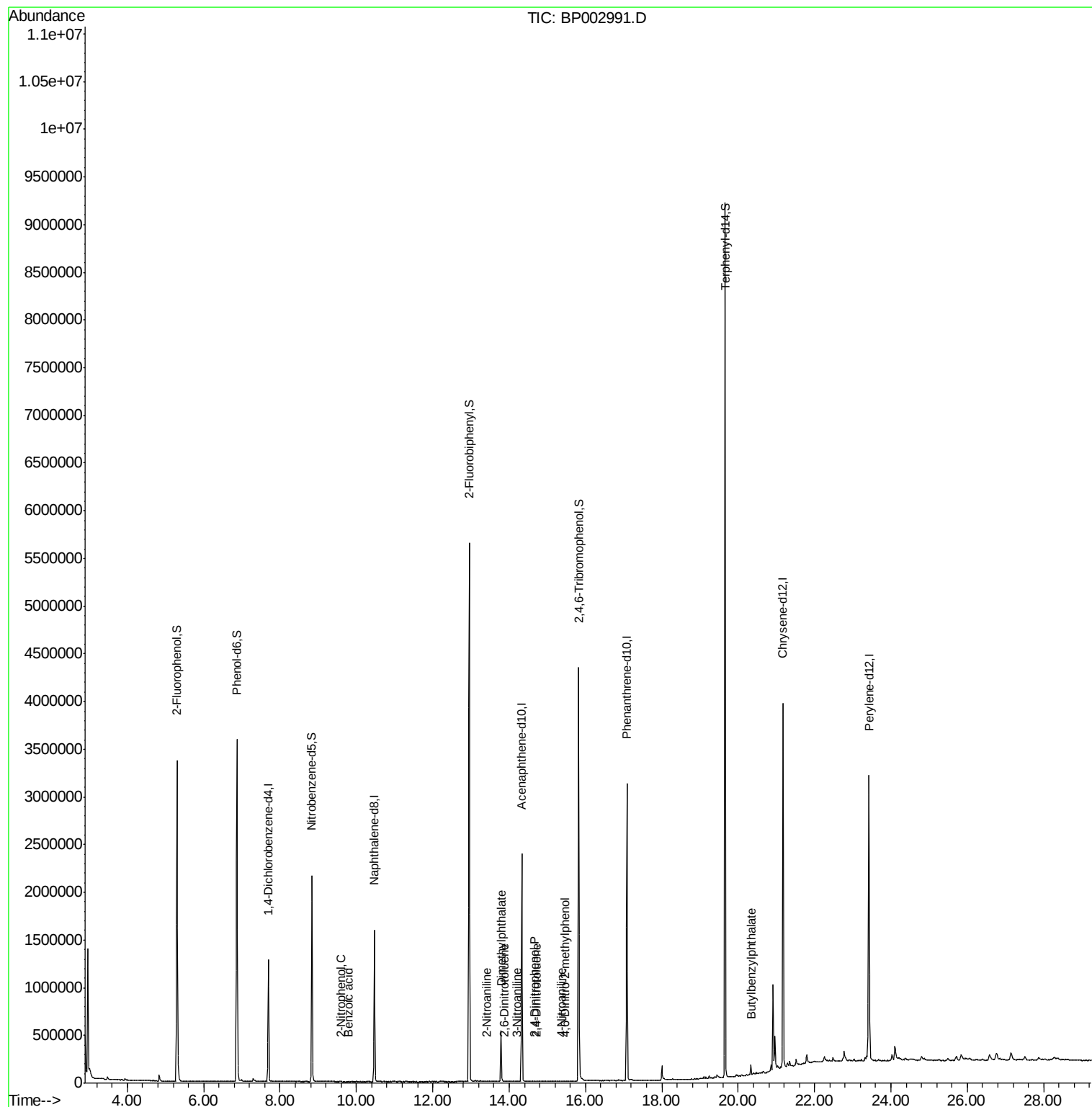
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) 2-Nitrophenol	9.61	139	36	4.523	ng	# 1
32) Benzoic acid	9.80	122	90	7.692	ng	# 2
48) 2-Nitroaniline	13.39	65	53	3.975	ng	# 6
50) Dimethylphthalate	13.79	163	396970	6.128	ng	99
51) 2,6-Dinitrotoluene	13.87	165	126	2.907	ng	# 42
53) 3-Nitroaniline	14.22	138	46	3.276	ng	# 39
54) 2,4-Dinitrophenol	14.66	184	14	8.059	ng	89
57) 2,4-Dinitrotoluene	14.72	165	18	3.807	ng	# 20
62) 4-Nitroaniline	15.38	138	78	2.421	ng	83
65) 4,6-Dinitro-2-methylphenol	15.46	198	20	6.902	ng	# 1
80) Butylbenzylphthalate	20.34	149	3707	3.125	ng	# 84

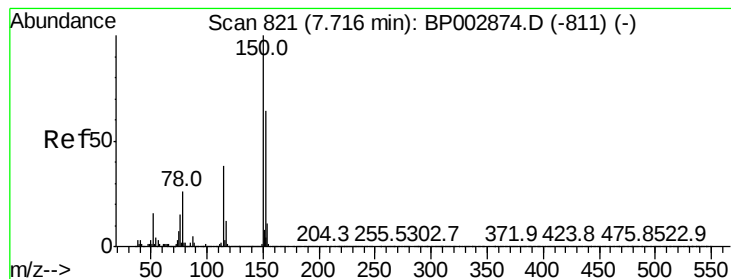
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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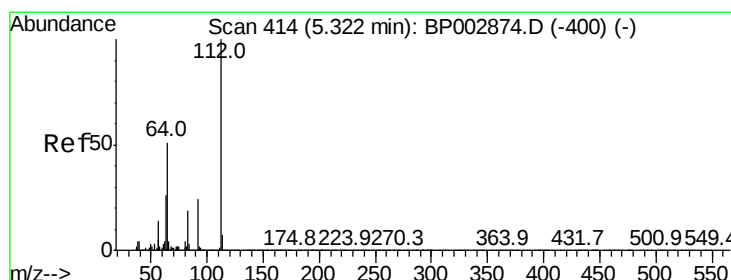
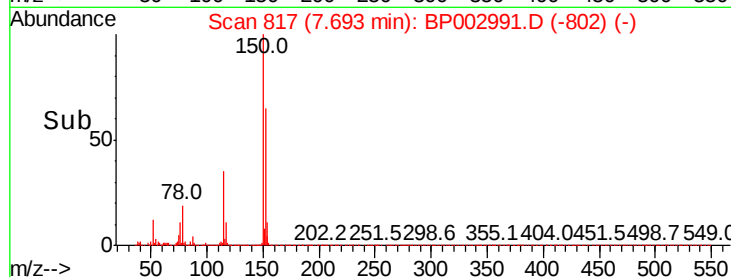
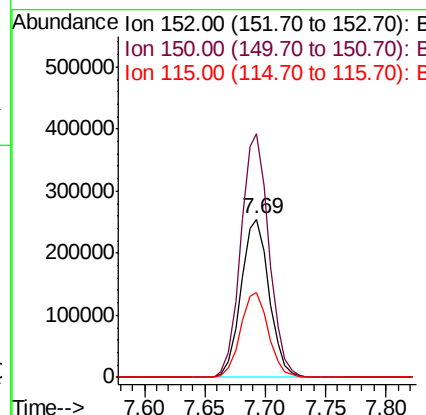
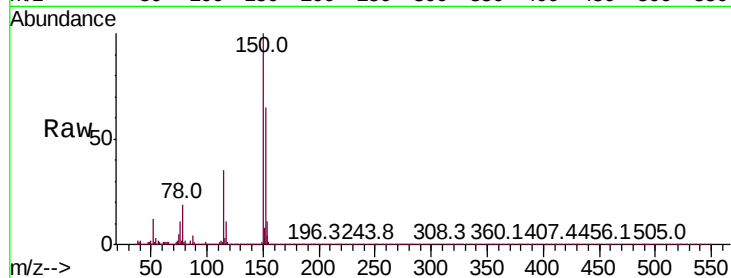


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

Instrument :
BNA_P
ClientSampleId :

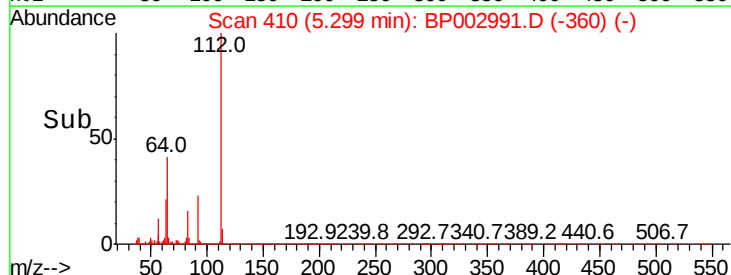
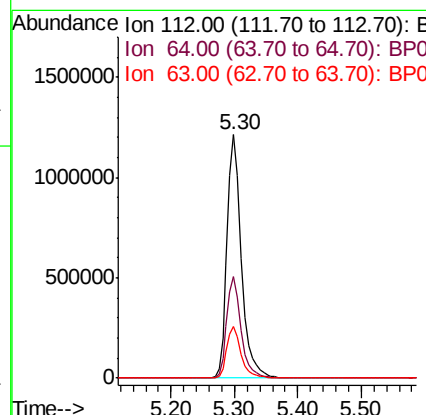
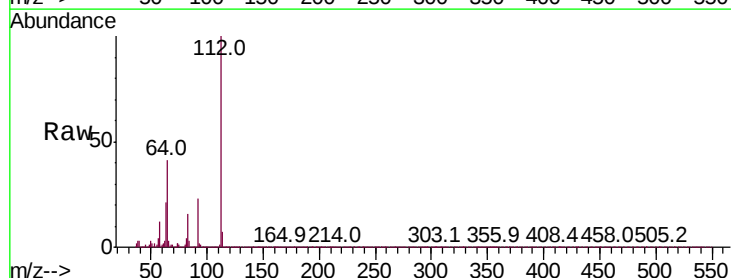
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.2	186.4
115	53.5	42.1	63.1

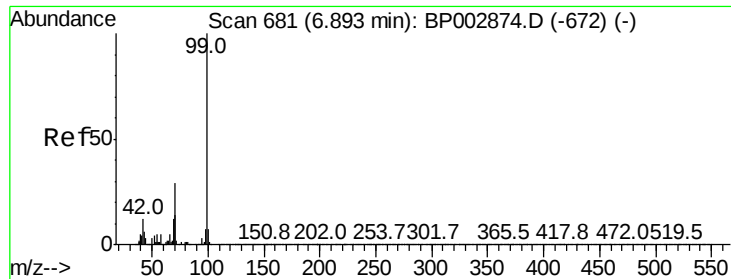


#5

2-Fluorophenol
Concen: 70.744 ng
RT: 5.30 min Scan# 410
Delta R.T. -0.01 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.5	33.8	50.8
63	20.9	17.2	25.8





#7

Phenol-d6

Concen: 69.030 ng

RT: 6.87 min Scan# 677

Delta R.T. -0.01 min

Lab File: BP002991.D

Acq: 14 Aug 2020 18:45

Instrument :

BNA_P

ClientSampleId :

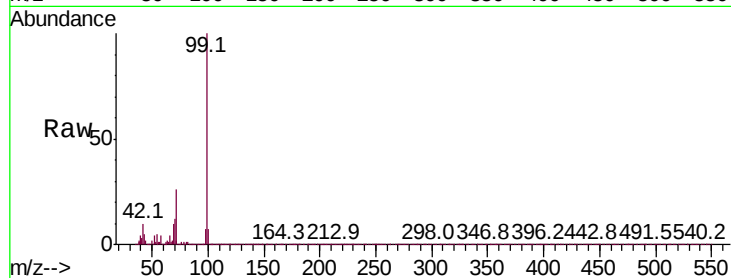
Tot Ion: 99 Resp: 2580414

Ion Ratio Lower Upper

99 100

42 9.8 8.1 12.1

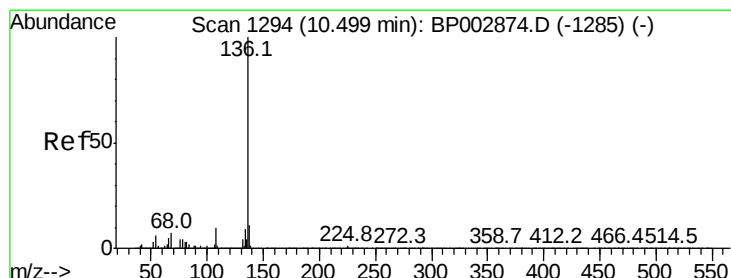
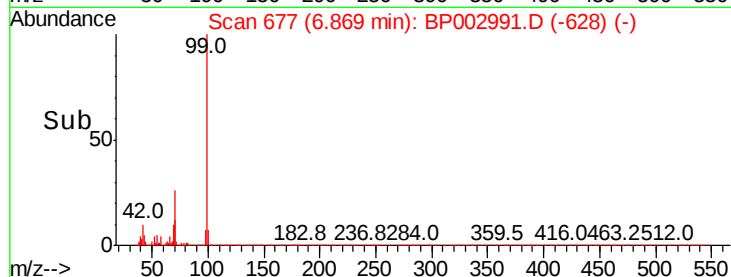
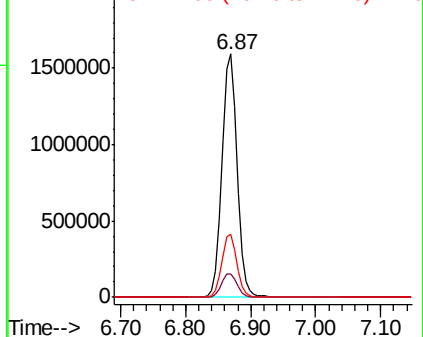
71 25.9 21.0 31.4



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: BP002991.D

Acq: 14 Aug 2020 18:45

Tgt Ion: 136 Resp: 1439387

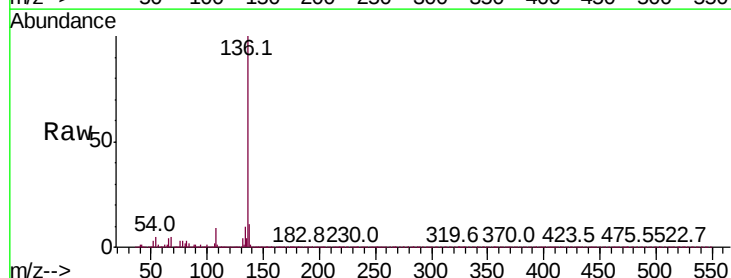
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 4.8 3.9 5.9

68 5.1 3.8 5.8

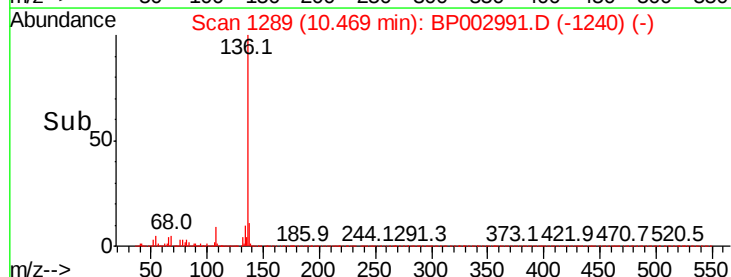
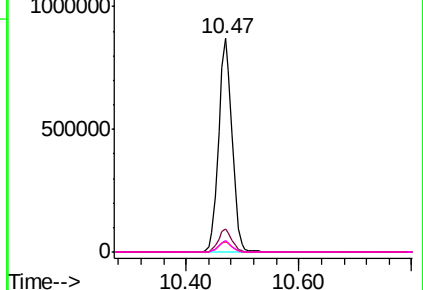


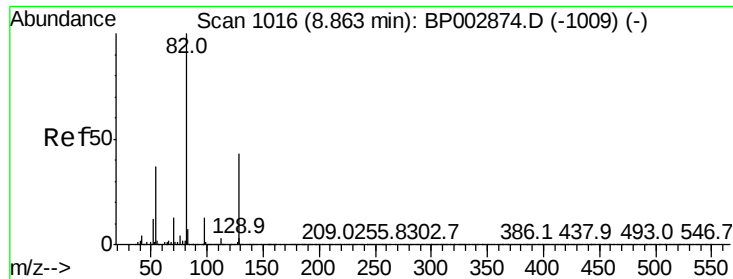
Abundance Ion 136.00 (135.70 to 136.70): E

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

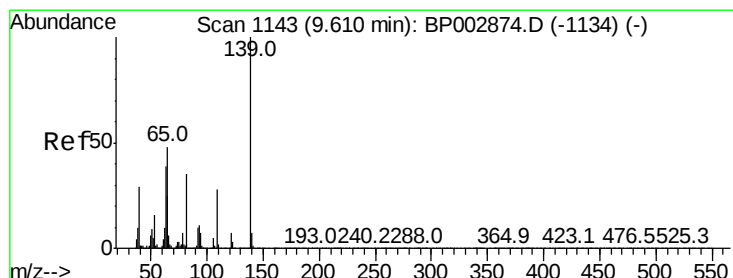
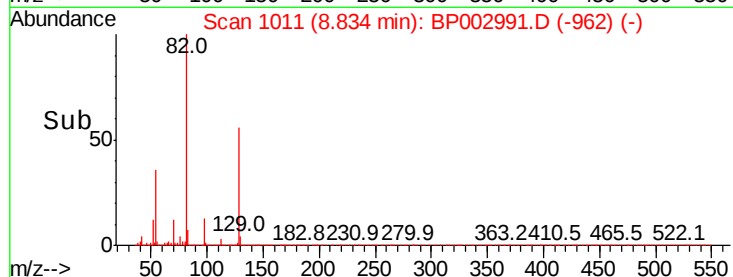
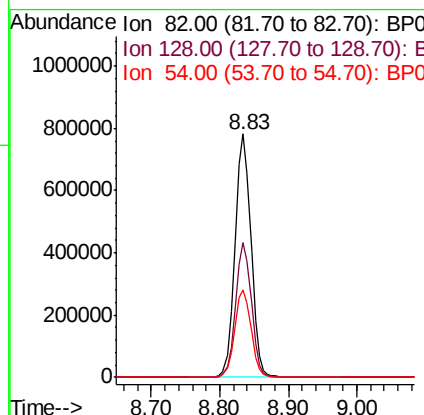
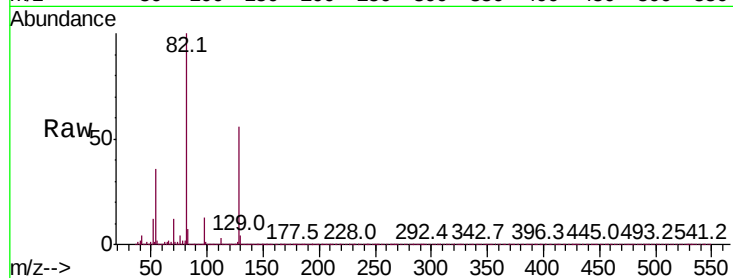




#23
 Nitrobenzene-d5
 Concen: 47.727 ng
 RT: 8.83 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BP002991.D
 Acq: 14 Aug 2020 18:45

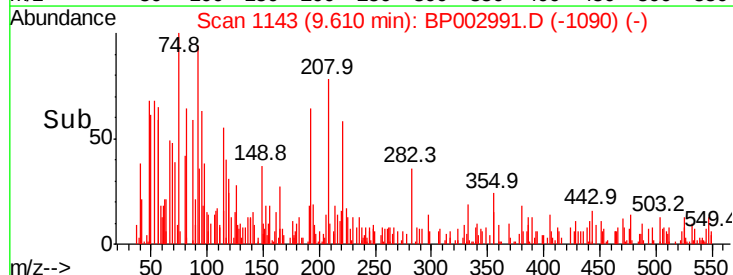
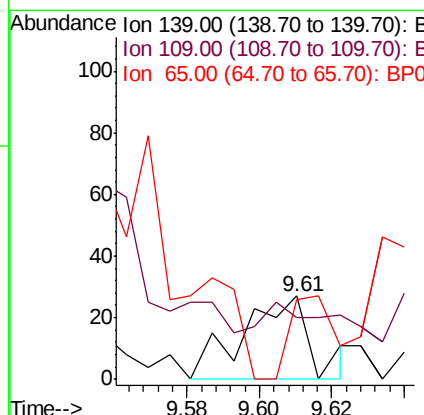
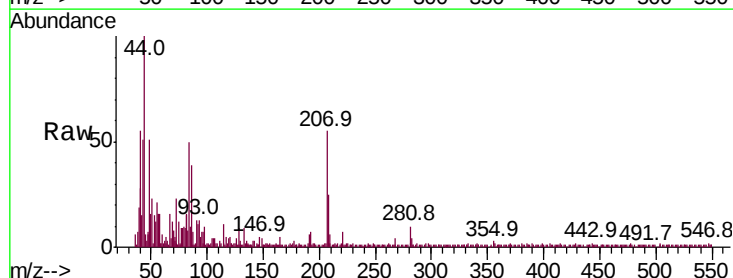
Instrument :
 BNA_P
 ClientSampleId :

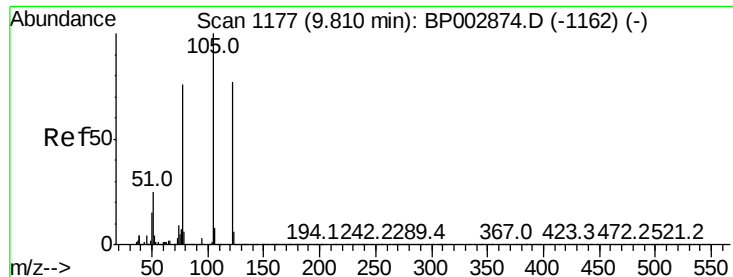
Tot Ion: 82 Resp: 1268368
 Ion Ratio Lower Upper
 82 100
 128 55.6 44.6 66.8
 54 36.0 29.2 43.8



#26
 2-Nitrophenol
 Concen: 4.523 ng
 RT: 9.61 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: BP002991.D
 Acq: 14 Aug 2020 18:45

Tgt Ion:139 Resp: 36
 Ion Ratio Lower Upper
 139 100
 109 74.1 19.5 29.3#
 65 96.3 26.6 40.0#

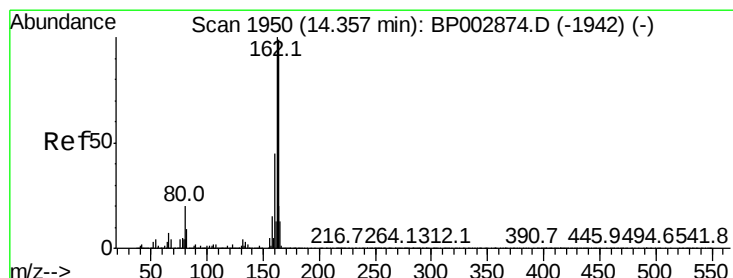
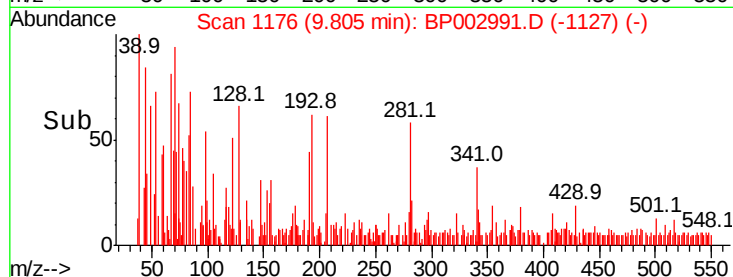
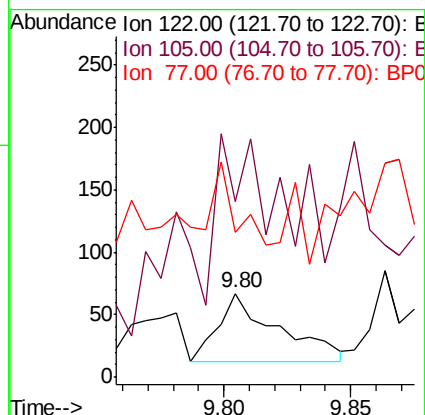
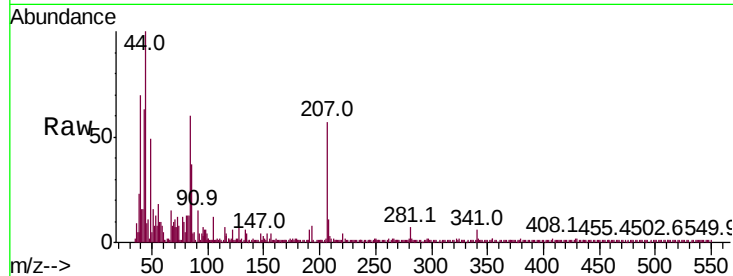




#32
Benzoic acid
Concen: 7.692 ng
RT: 9.80 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

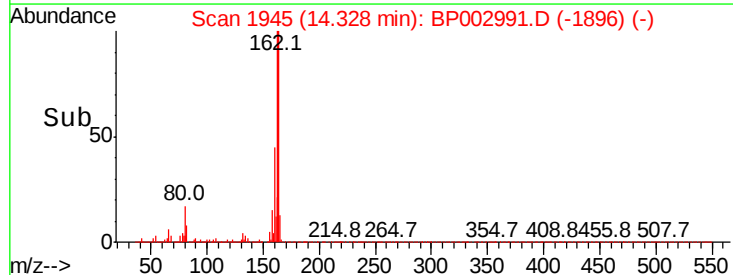
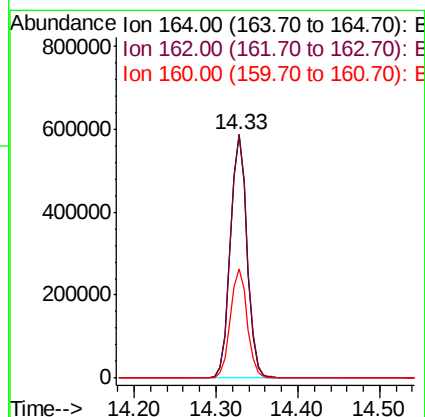
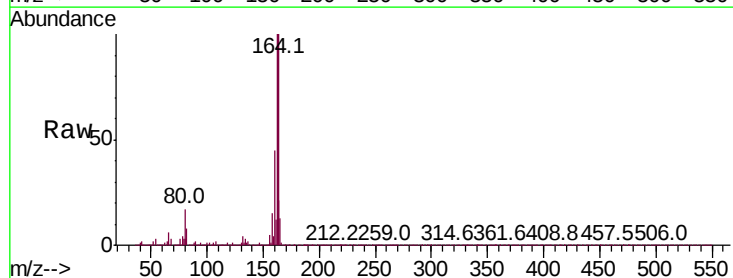
Instrument :
BNA_P
ClientSampleId :

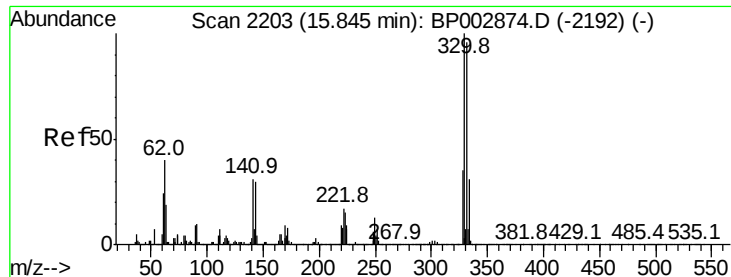
Tot Ion:122 Resp: 90
Ion Ratio Lower Upper
122 100
105 210.4 95.8 135.8#
77 173.1 54.7 94.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

Tgt Ion:164 Resp: 828311
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 45.0 36.2 54.4

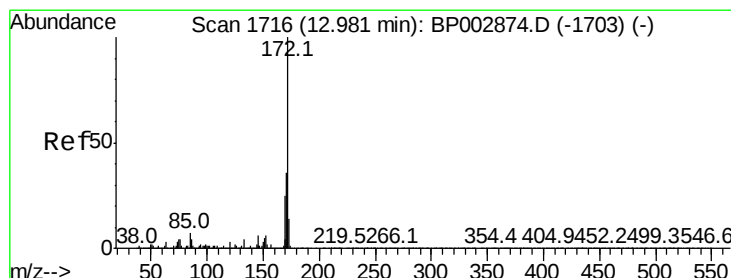
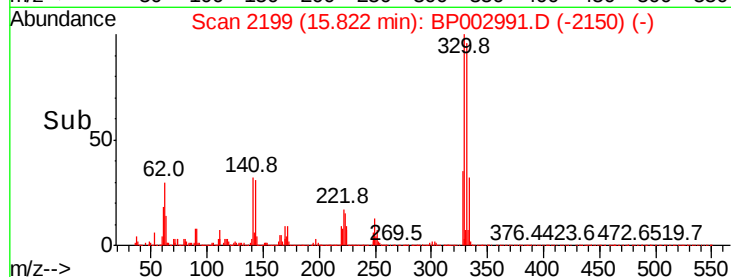
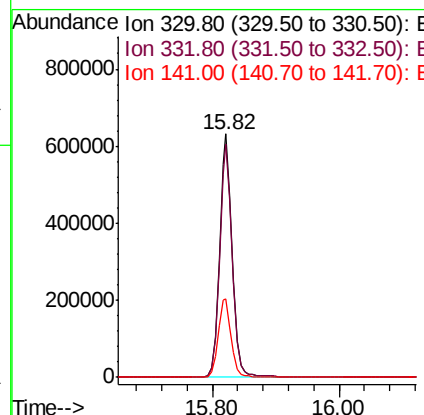
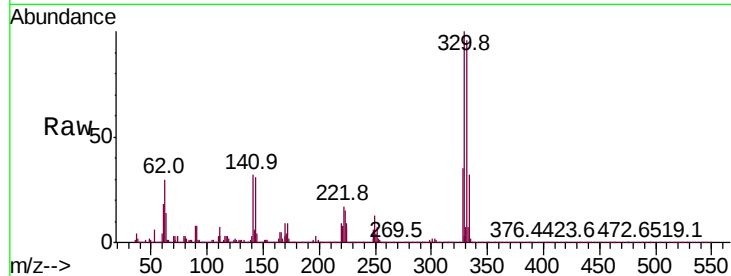




#42
 2,4,6-Tribromophenol
 Concen: 87.191 ng
 RT: 15.82 min Scan# 2199
 Delta R.T. -0.01 min
 Lab File: BP002991.D
 Acq: 14 Aug 2020 18:45

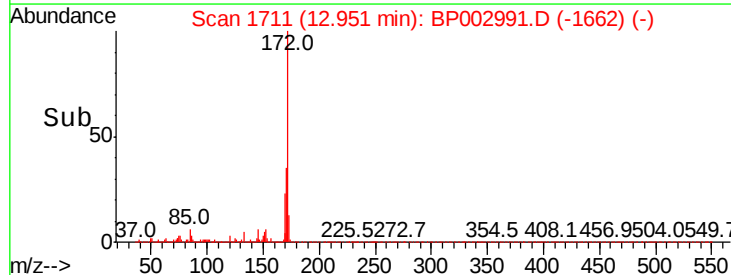
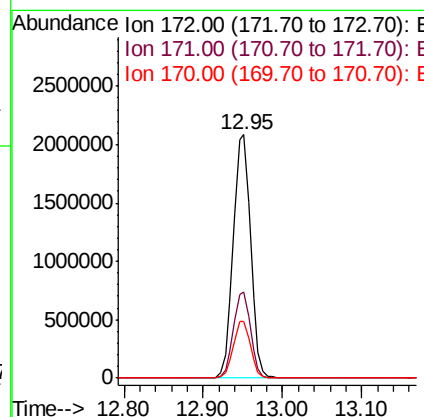
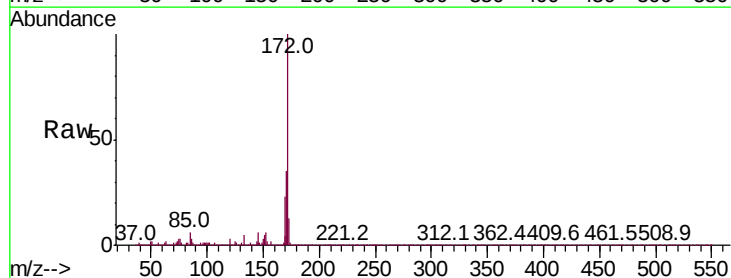
Instrument :
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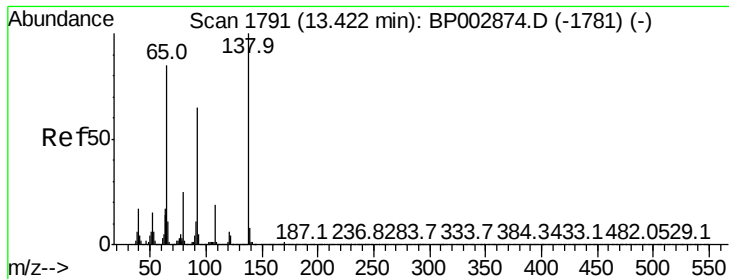
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.4
141	33.5	28.6	43.0



#45
 2-Fluorobiphenyl
 Concen: 52.289 ng
 RT: 12.95 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BP002991.D
 Acq: 14 Aug 2020 18:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.5	19.6	29.4

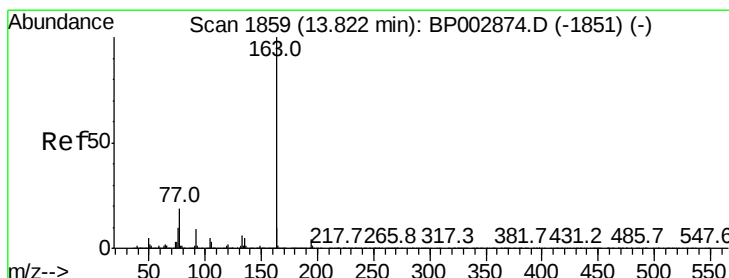
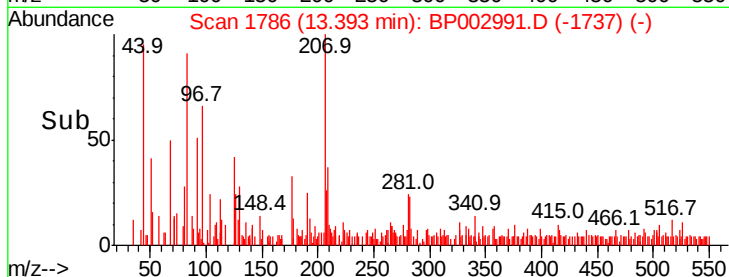
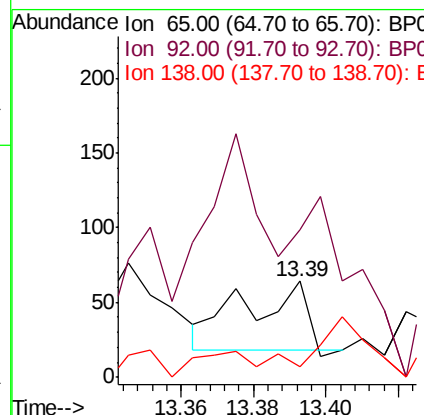
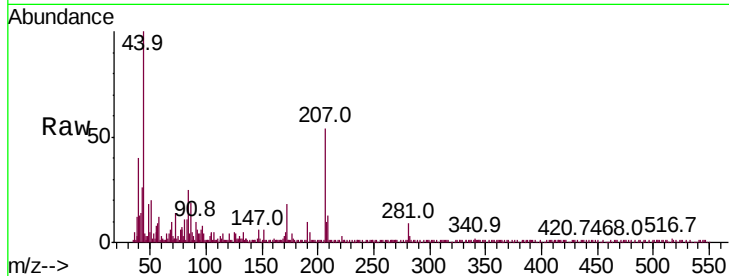




#48
2-Nitroaniline
Concen: 3.975 ng
RT: 13.39 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

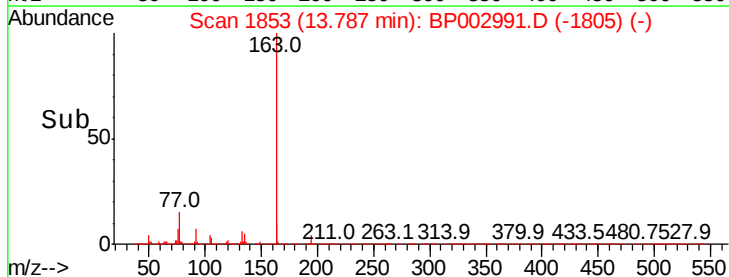
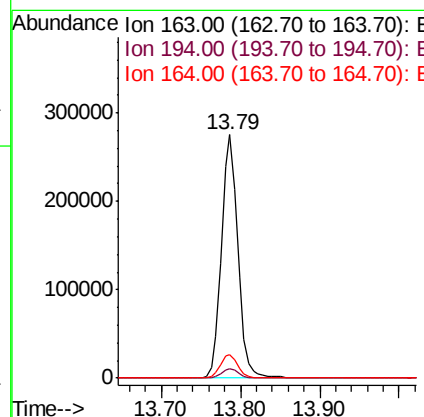
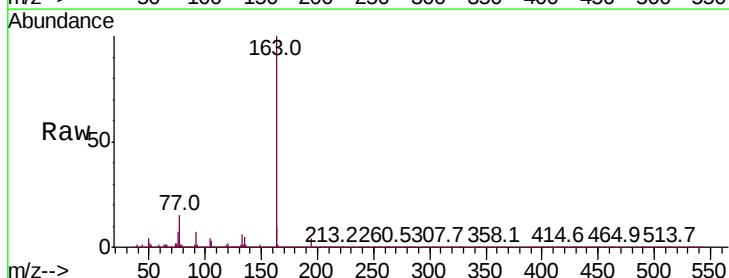
Instrument :
BNA_P
ClientSampled :

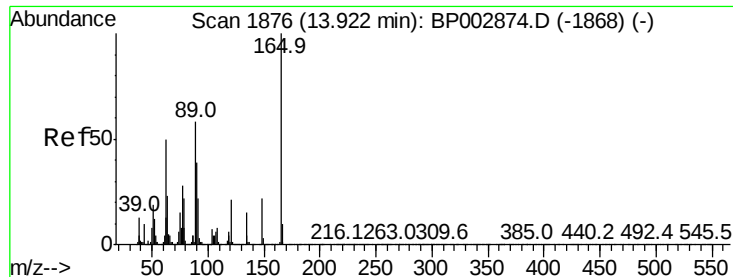
Tot Ion: 65 Resp: 53
Ion Ratio Lower Upper
65 100
92 154.7 69.6 104.4#
138 18.8 125.6 188.4#



#50
Dimethylphthalate
Concen: 6.128 ng
RT: 13.79 min Scan# 1853
Delta R.T. -0.02 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

Tgt Ion: 163 Resp: 396970
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 9.9 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 2.907 ng

RT: 13.87 min Scan# 1867

Delta R.T. -0.04 min

Lab File: BP002991.D

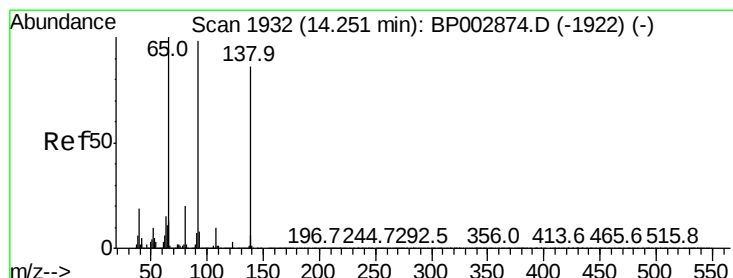
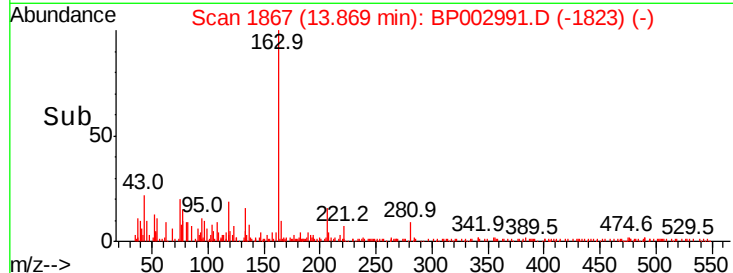
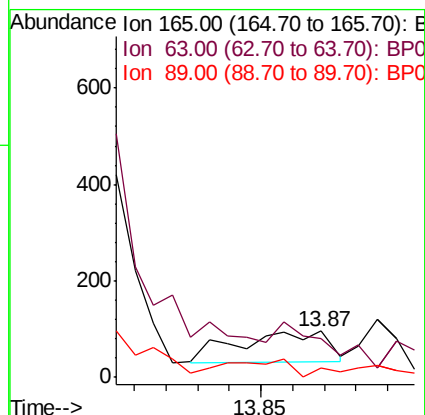
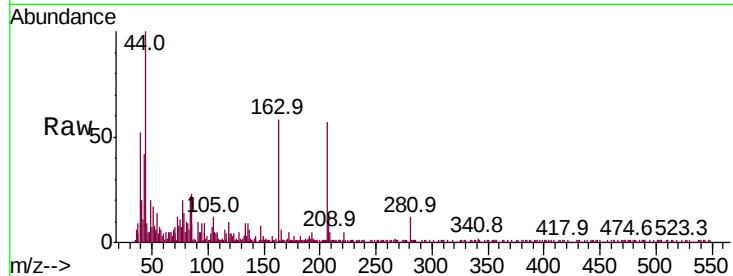
Acq: 14 Aug 2020 18:45

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	165	Resp:	126
Ion	Ratio	Lower	Upper
165	100		
63	83.3	27.5	41.3#
89	19.8	35.3	52.9#



#53

3-Nitroaniline

Concen: 3.276 ng

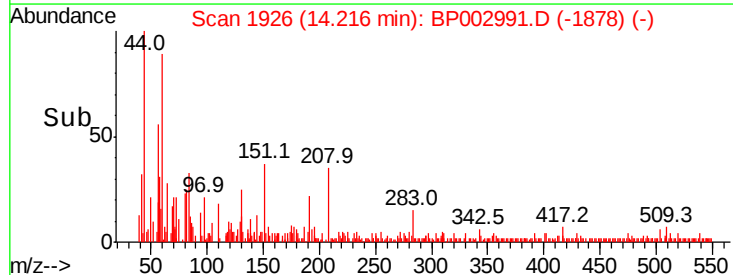
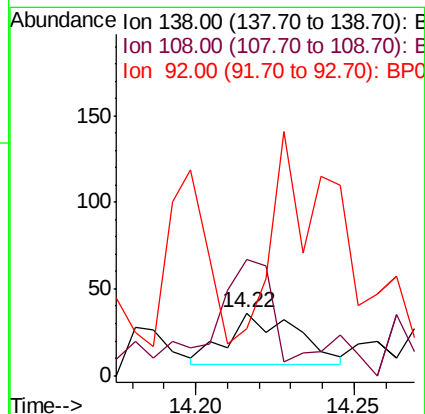
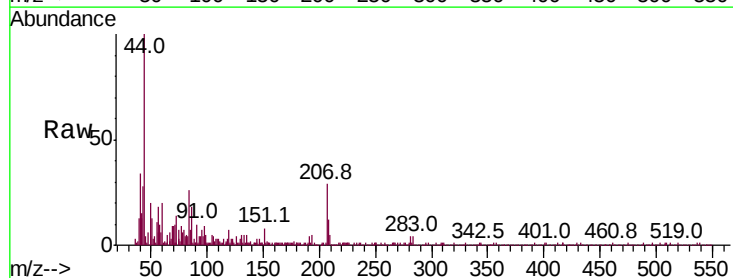
RT: 14.22 min Scan# 1926

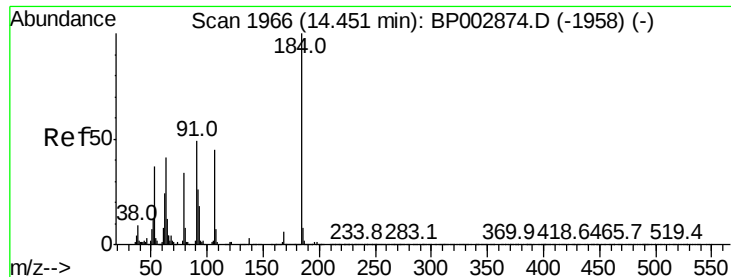
Delta R.T. -0.02 min

Lab File: BP002991.D

Acq: 14 Aug 2020 18:45

Tgt Ion:	138	Resp:	46
Ion	Ratio	Lower	Upper
138	100		
108	186.1	7.2	10.8#
92	75.0	75.8	113.6#

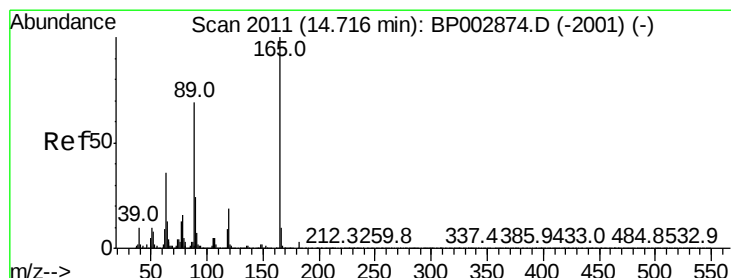
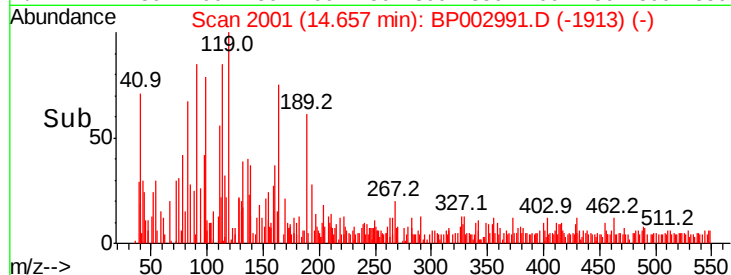
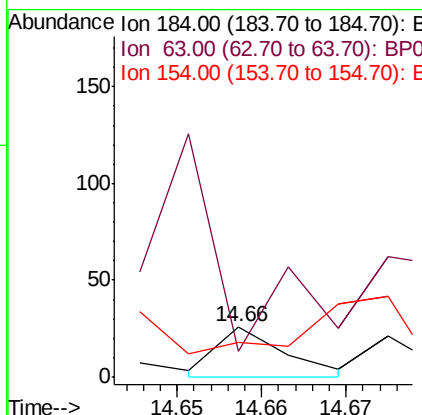
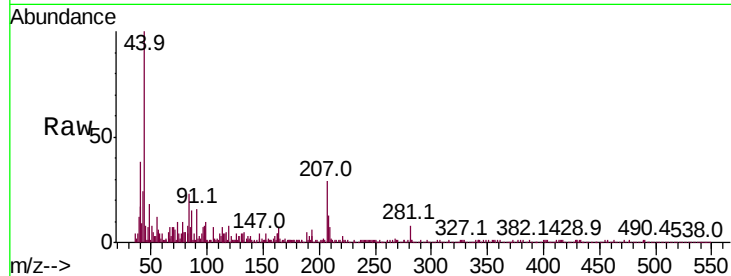




#54
2,4-Dinitrophenol
Concen: 8.059 ng
RT: 14.66 min Scan# 2001
Delta R.T. 0.22 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

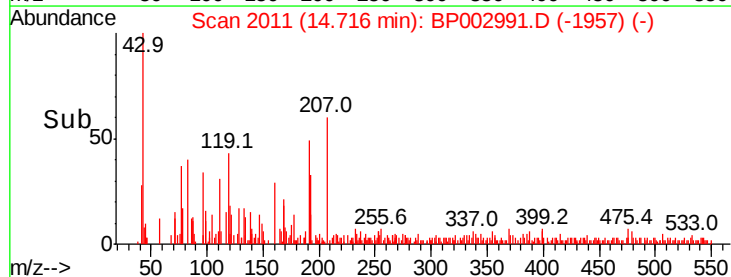
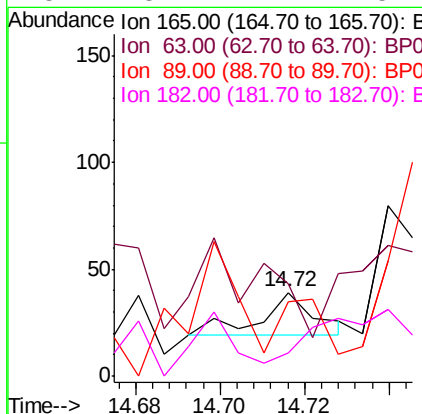
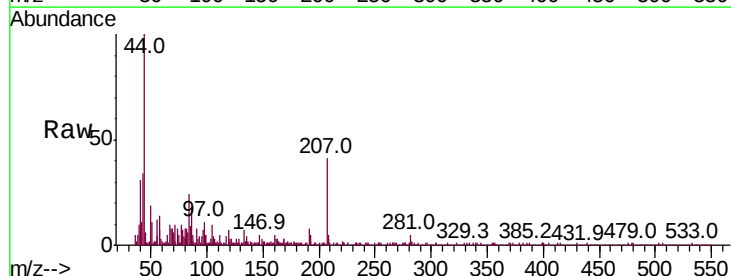
Instrument :
BNA_P
ClientSampled :

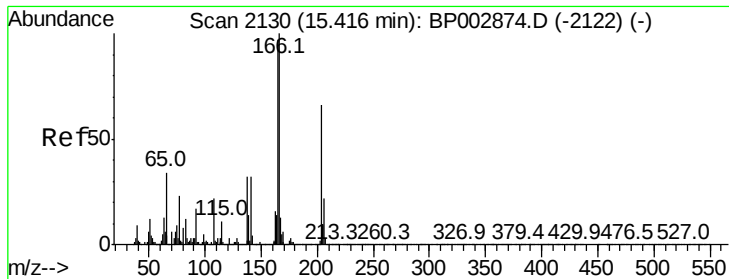
Tot Ion:184 Resp: 14
Ion Ratio Lower Upper
184 100
63 50.0 36.4 54.6
154 69.2 46.6 69.8



#57
2,4-Dinitrotoluene
Concen: 3.807 ng
RT: 14.72 min Scan# 2011
Delta R.T. 0.02 min
Lab File: BP002991.D
Acq: 14 Aug 2020 18:45

Tgt Ion:165 Resp: 18
Ion Ratio Lower Upper
165 100
63 110.3 22.6 34.0#
89 89.7 46.2 69.2#
182 28.2 2.2 3.4#





#62

4-Nitroaniline

Concen: 2.421 ng

RT: 15.38 min Scan# 2124

Delta R.T. -0.02 min

Lab File: BP002991.D

Acq: 14 Aug 2020 18:45

Instrument :

BNA_P

ClientSampleId :

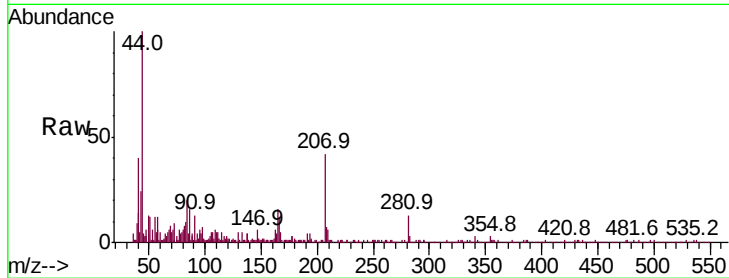
Tot Ion:138 Resp: 78

Ion Ratio Lower Upper

138 100

92 24.2 21.2 61.2

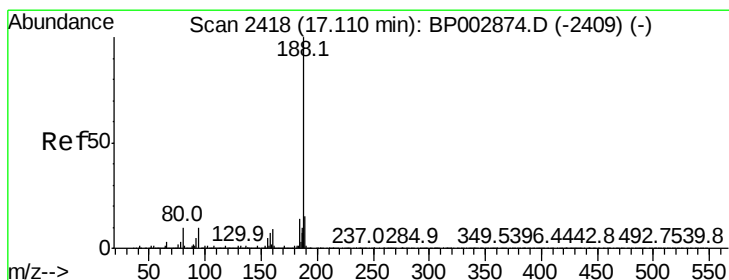
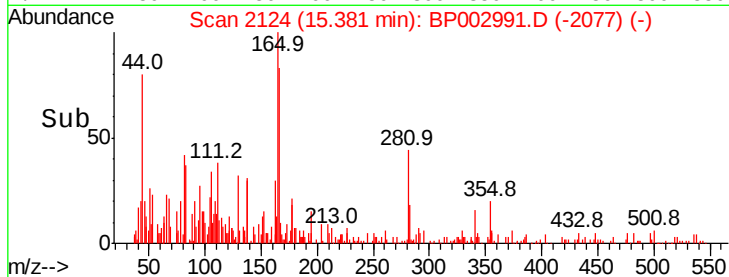
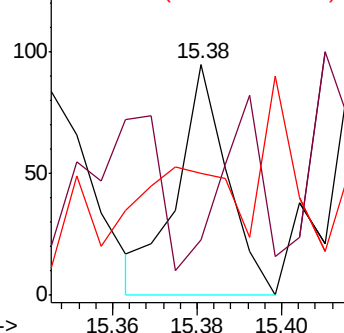
108 52.6 40.5 80.5



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: BP002991.D

Acq: 14 Aug 2020 18:45

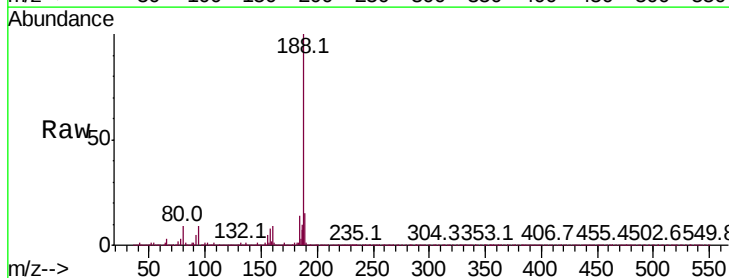
Tgt Ion:188 Resp: 1877824

Ion Ratio Lower Upper

188 100

94 8.9 7.0 10.6

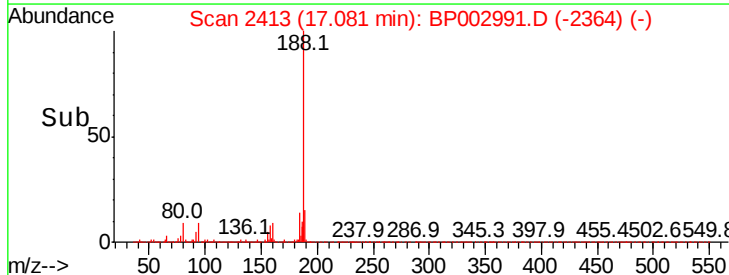
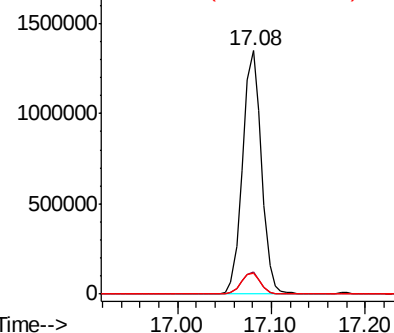
80 8.7 7.0 10.6

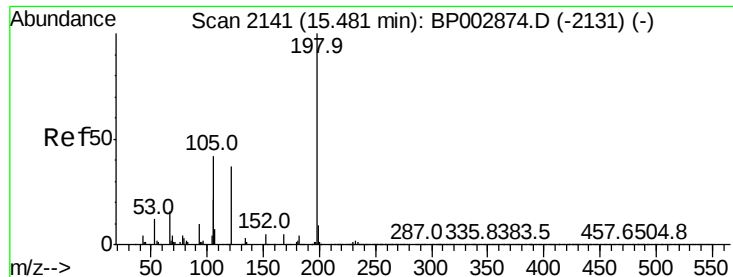


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

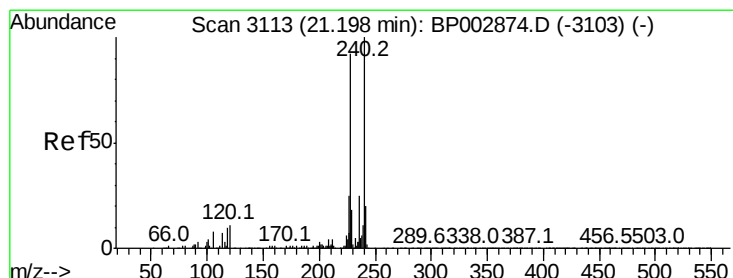
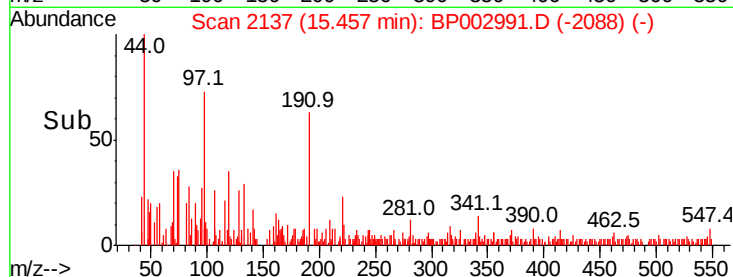
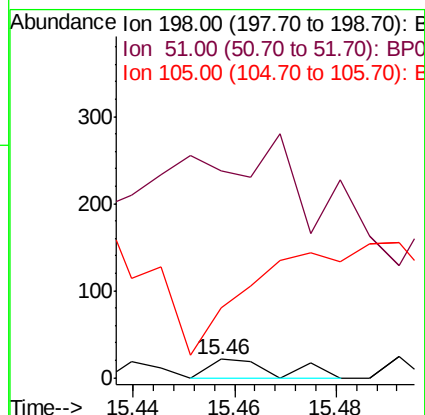
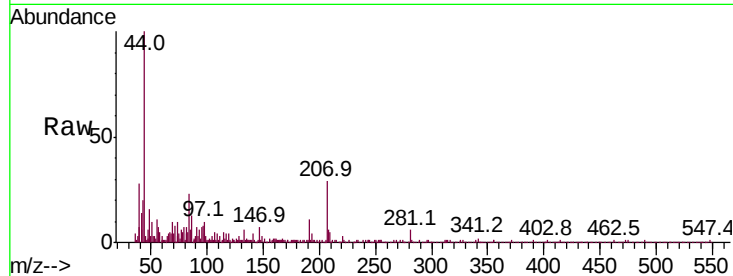




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.902 ng
 RT: 15.46 min Scan# 2137
 Delta R.T. -0.01 min
 Lab File: BP002991.D
 Acq: 14 Aug 2020 18:45

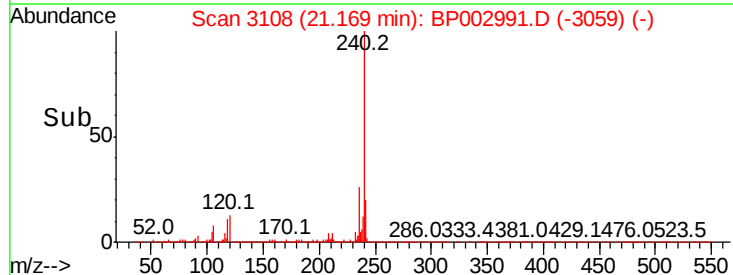
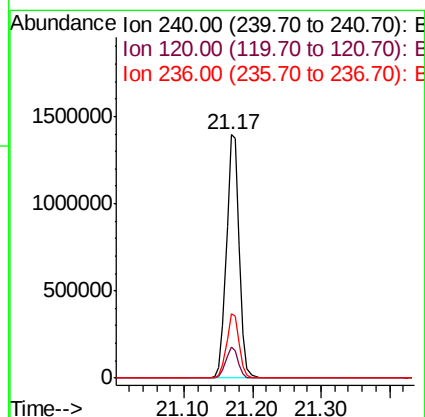
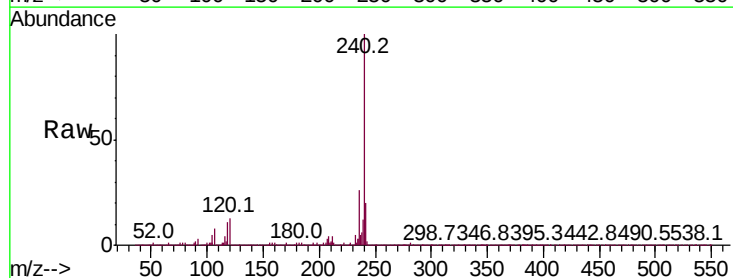
Instrument :
 BNA_P
 ClientSampleId :

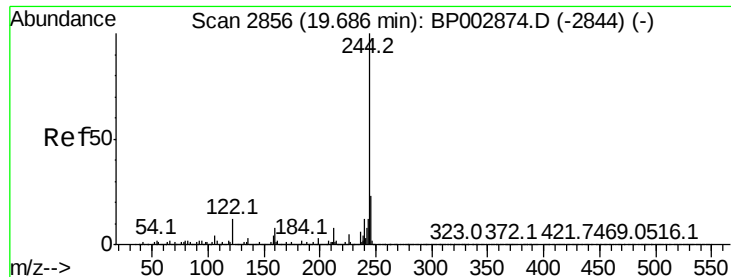
Tot Ion:198 Resp: 20
 Ion Ratio Lower Upper
 198 100
 51 1128.6 6.5 46.5#
 105 385.7 20.4 60.4#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.17 min Scan# 3108
 Delta R.T. -0.01 min
 Lab File: BP002991.D
 Acq: 14 Aug 2020 18:45

Tgt Ion:240 Resp: 1817013
 Ion Ratio Lower Upper
 240 100
 120 12.9 10.6 16.0
 236 26.3 20.7 31.1





#79

Terphenyl-d14

Concen: 42.108 ng

RT: 19.66 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BP002991.D

Acq: 14 Aug 2020 18:45

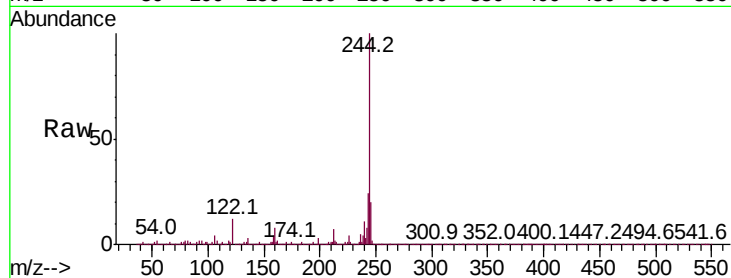
Instrument :

BNA_P

ClientSampleId :

Tot Ion:244 Resp: 3821840

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.3	9.5
122	11.6	9.9	14.9

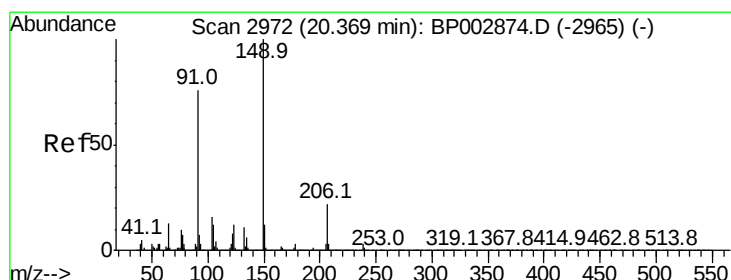
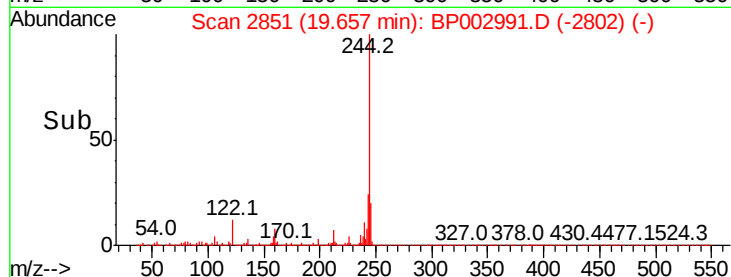
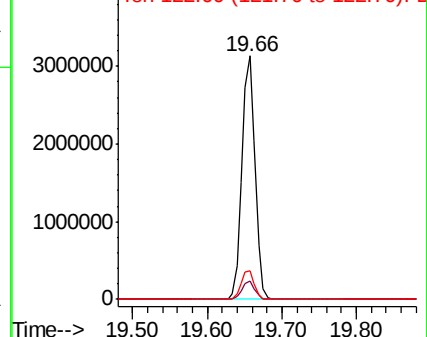


Abundance

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: 3.125 ng

RT: 20.34 min Scan# 2967

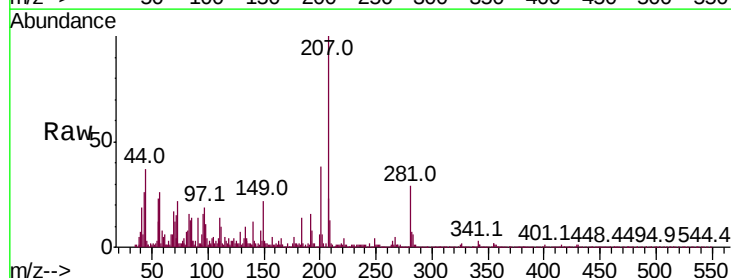
Delta R.T. -0.01 min

Lab File: BP002991.D

Acq: 14 Aug 2020 18:45

Tgt Ion:149 Resp: 3707

Ion	Ratio	Lower	Upper
149	100		
91	62.4	46.5	69.7
206	0.0	17.2	25.8

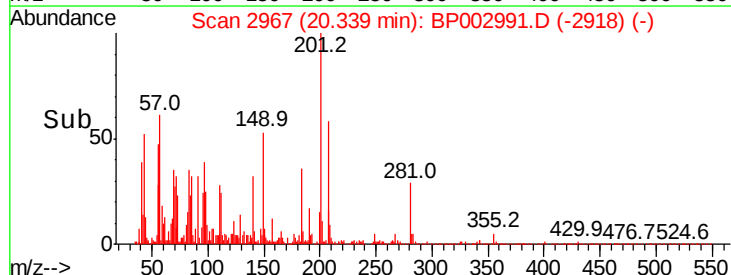
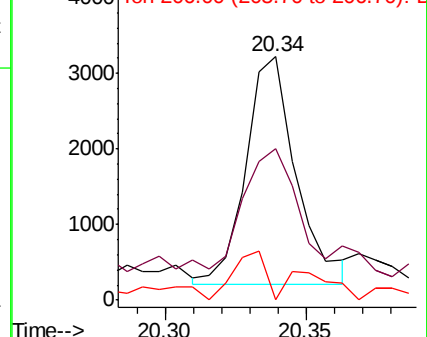


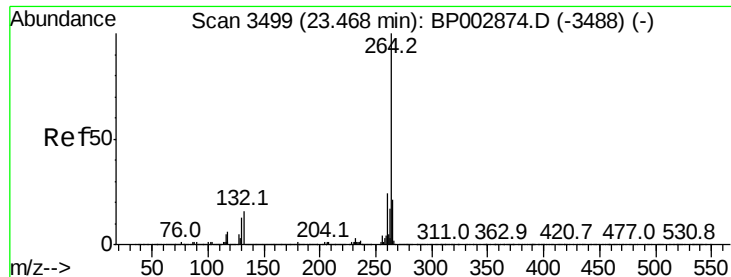
Abundance

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



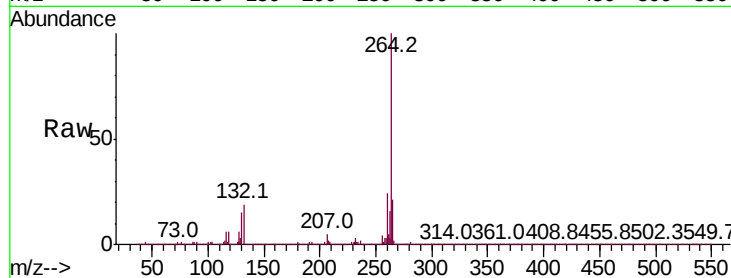


#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.42 min Scan# 3491
 Delta R.T. -0.01 min
 Lab File: BP002991.D
 Acq: 14 Aug 2020 18:45

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion: 264 Resp: 2014275

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	21.3	17.6	26.4



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

