

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP082120\
 Data File : BP003082.D
 Acq On : 21 Aug 2020 18:32
 Operator : CG/JU
 Sample : L3506-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-082020

Quant Time: Aug 22 00:27:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 14:07:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	204127	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	816241	20.00	ng	-0.01
39) Acenaphthene-d10	14.32	164	498648	20.00	ng	-0.01
64) Phenanthrene-d10	17.07	188	1180763	20.00	ng	-0.01
76) Chrysene-d12	21.16	240	1397384	20.00	ng	-0.01
86) Perylene-d12	23.40	264	1565936	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1428407	107.10	ng	0.00
7) Phenol-d6	6.86	99	1568575	84.71	ng	-0.01
23) Nitrobenzene-d5	8.82	82	1068697	70.91	ng	-0.01
42) 2,4,6-Tribromophenol	15.81	330	922463	148.84	ng	-0.01
45) 2-Fluorobiphenyl	12.94	172	3087260	84.59	ng	-0.01
79) Terphenyl-d14	19.65	244	4846590	69.43	ng	-0.01

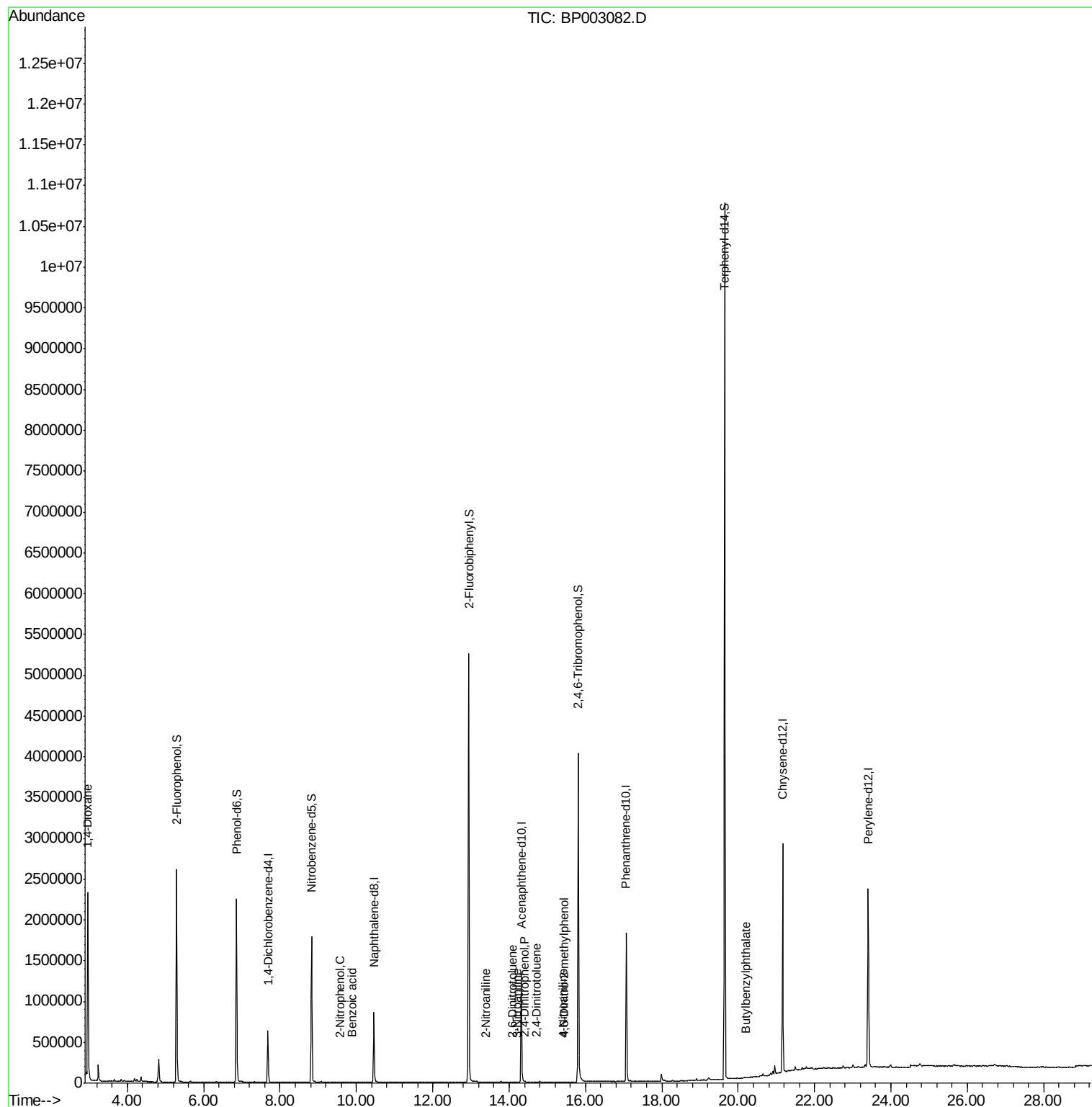
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.96	88	21433	3.744	ng	# 1
26) 2-Nitrophenol	9.58	139	30	4.524	ng	# 43
32) Benzoic acid	9.88	122	159	7.704	ng	# 89
48) 2-Nitroaniline	13.38	65	69	3.979	ng	# 32
51) 2,6-Dinitrotoluene	14.08	165	51	2.905	ng	# 94
53) 3-Nitroaniline	14.21	138	46	3.278	ng	# 57
54) 2,4-Dinitrophenol	14.40	184	11	8.060	ng	# 11
57) 2,4-Dinitrotoluene	14.71	165	198	3.822	ng	# 65
62) 4-Nitroaniline	15.40	138	32	2.419	ng	# 7
65) 4,6-Dinitro-2-methylphenol	15.45	198	10	6.902	ng	# 1
80) Butylbenzylphthalate	20.19	149	183	3.062	ng	# 93

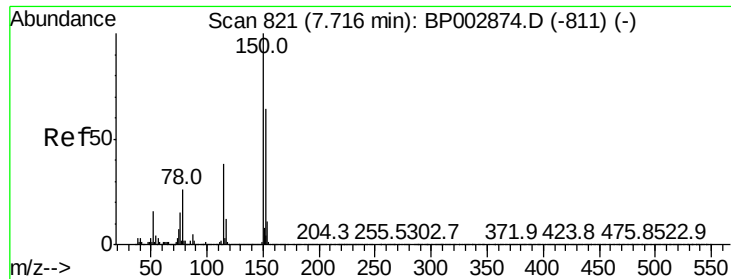
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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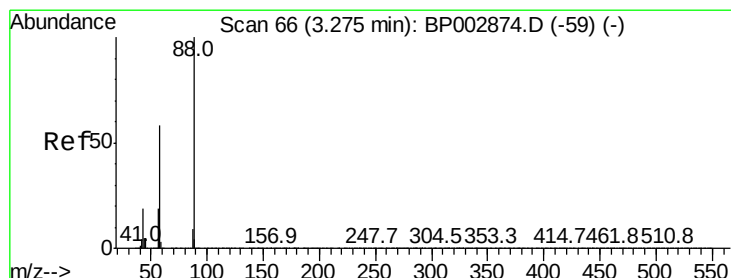
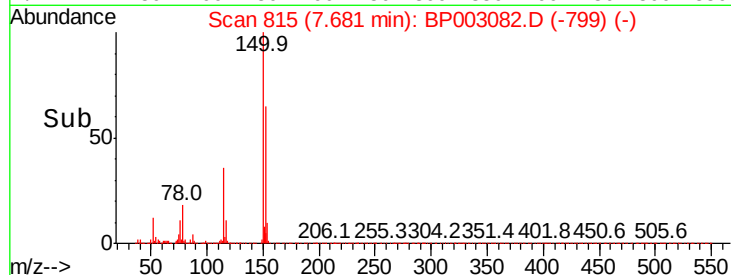
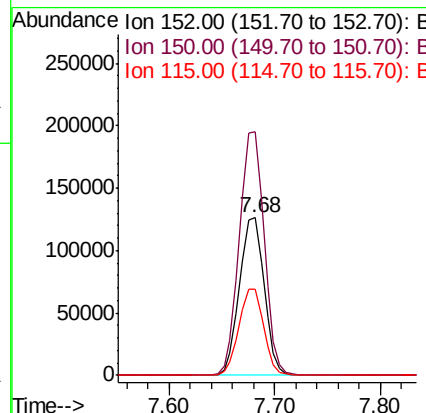
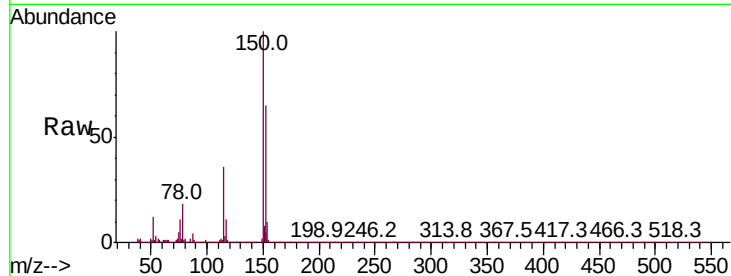


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 815
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Instrument :
BNA_P
ClientSampled :
OR-03-082020

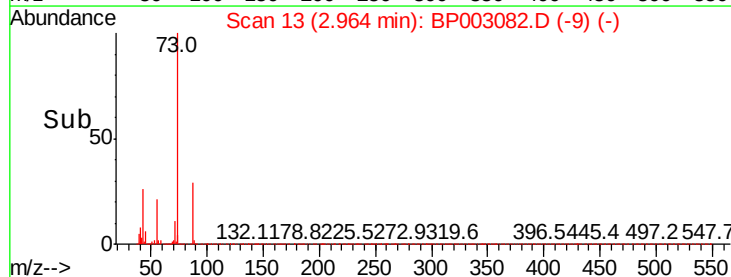
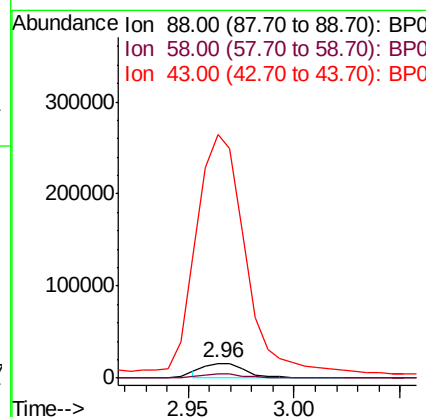
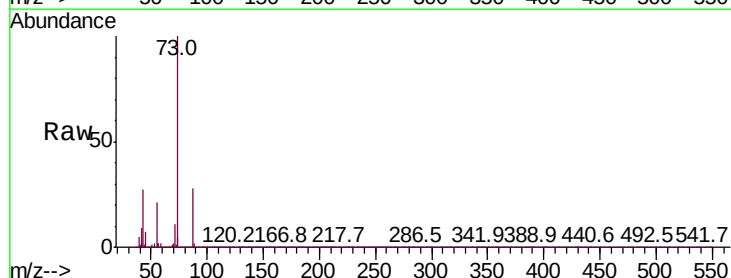
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.1	189.1
115	55.0	43.4	65.2

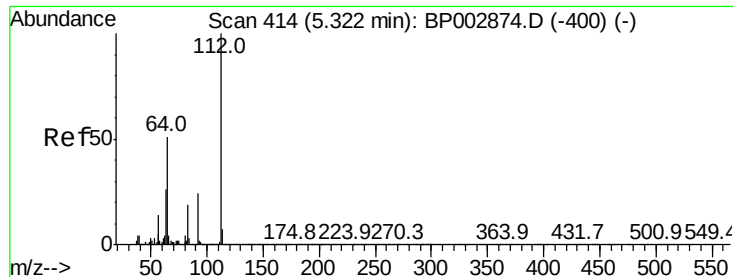


#2

1,4-Dioxane
Concen: 3.744 ng
RT: 2.96 min Scan# 13
Delta R.T. -0.28 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Tgt Ion	Ratio	Lower	Upper
88	100		
58	21.6	44.5	66.7#
43	1713.5	14.5	21.7#





#5

2-Fluorophenol

Concen: 107.099 ng

RT: 5.29 min Scan# 408

Delta R.T. -0.01 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

Instrument :

BNA_P

ClientSampleId :

OR-03-082020

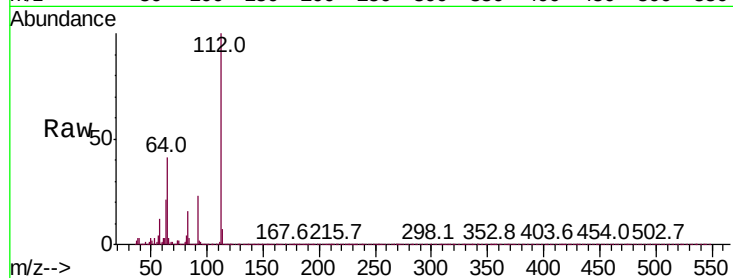
Tot Ion:112 Resp: 1428407

Ion	Ratio	Lower	Upper
112	100		
64	41.0	33.4	50.2
63	21.5	17.4	26.0

112 100

64 41.0 33.4 50.2

63 21.5 17.4 26.0

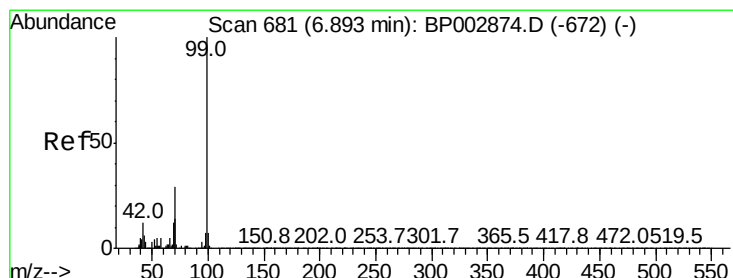
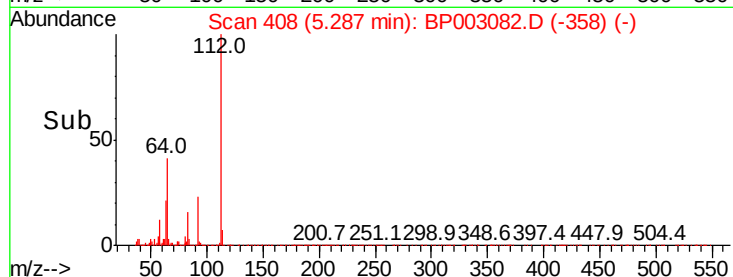
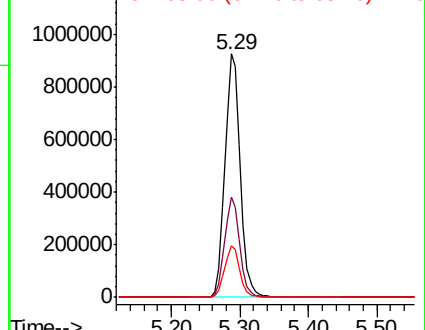


Abundance

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: 84.709 ng

RT: 6.86 min Scan# 675

Delta R.T. -0.01 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

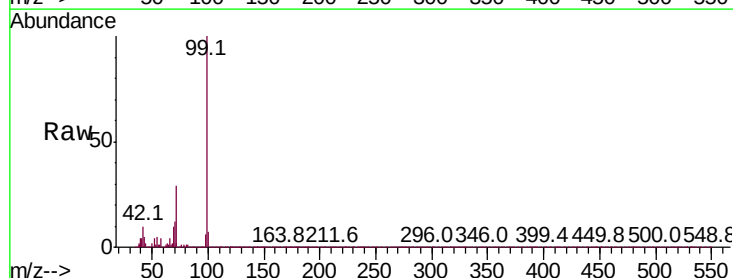
Tgt Ion: 99 Resp: 1568575

Ion	Ratio	Lower	Upper
99	100		
42	10.4	8.0	12.0
71	28.7	21.3	31.9

99 100

42 10.4 8.0 12.0

71 28.7 21.3 31.9

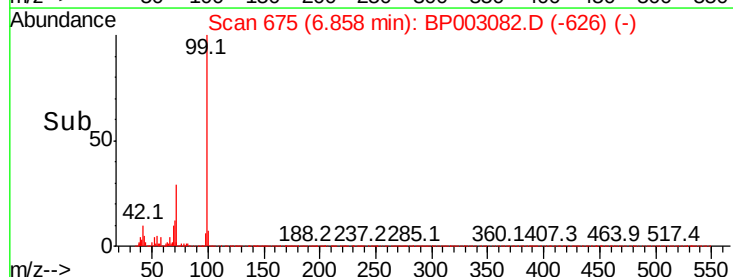
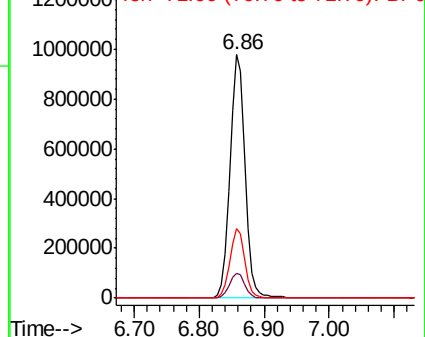


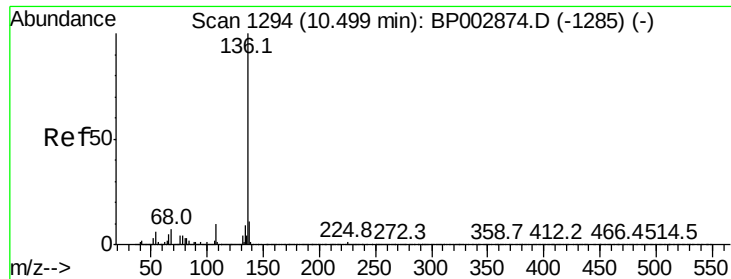
Abundance

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

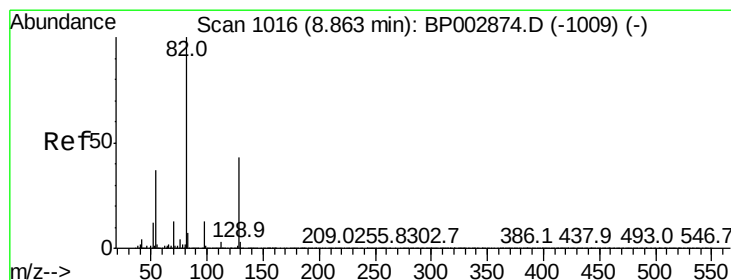
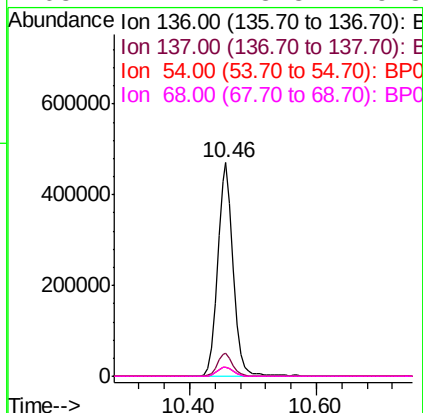
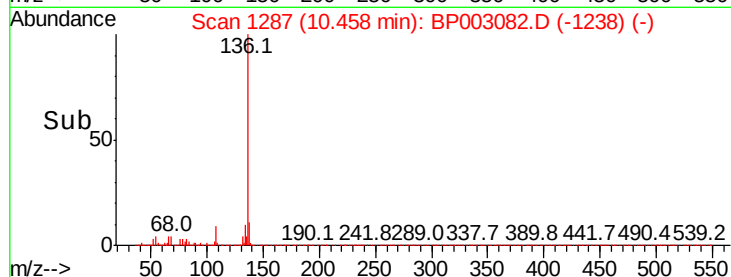
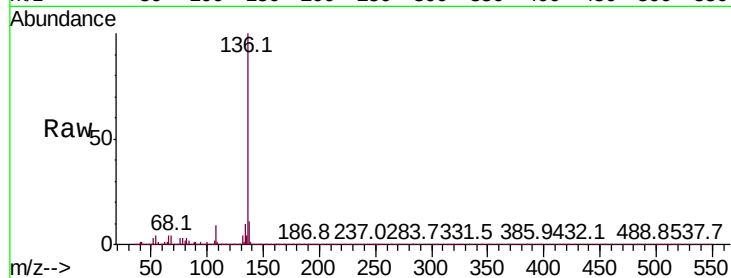




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

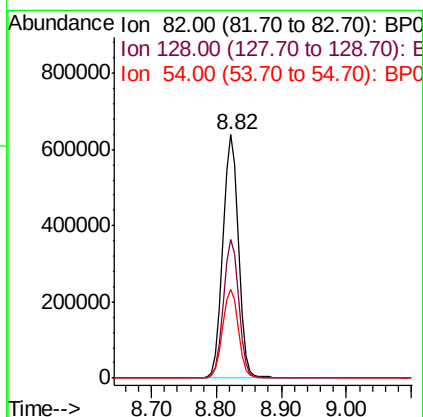
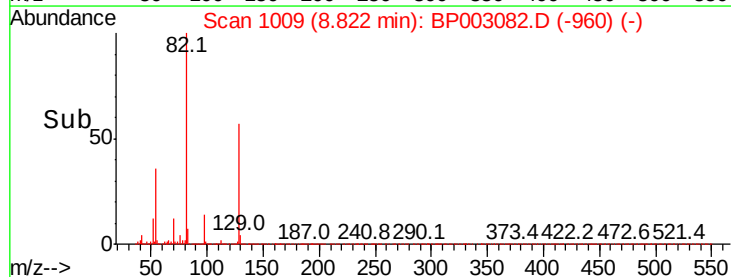
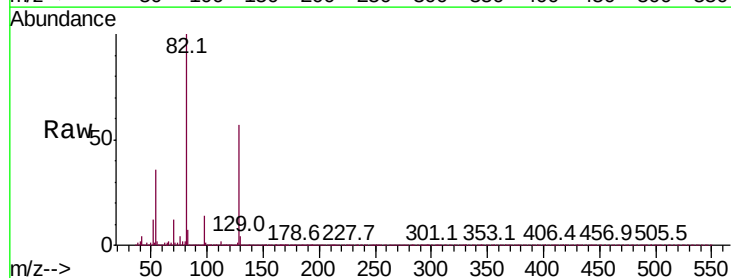
Instrument :
BNA_P
ClientSampleId :
OR-03-082020

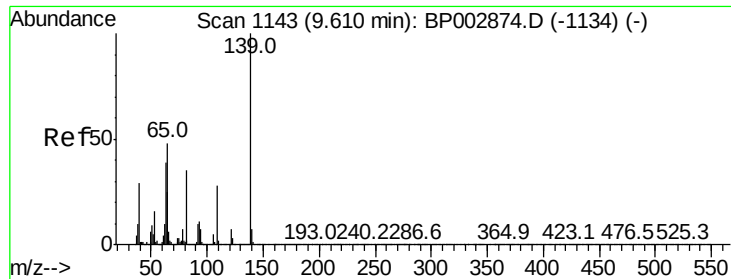
Tot Ion:136	Resp:	816241	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.8	13.2	
54 4.3	3.8	5.8	
68 4.4	3.8	5.8	



#23
Nitrobenzene-d5
Concen: 70.914 ng
RT: 8.82 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Tgt Ion: 82	Resp: 1068697
Ion Ratio	Lower Upper
82 100	
128 56.8	45.1 67.7
54 36.2	28.8 43.2

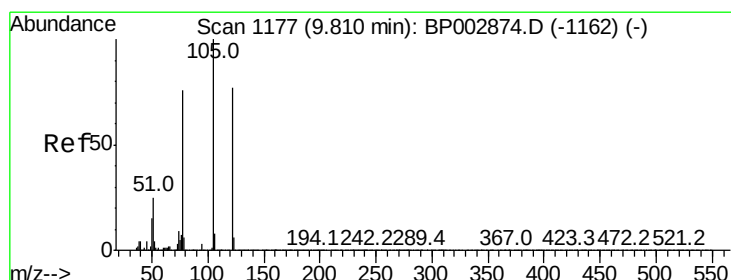
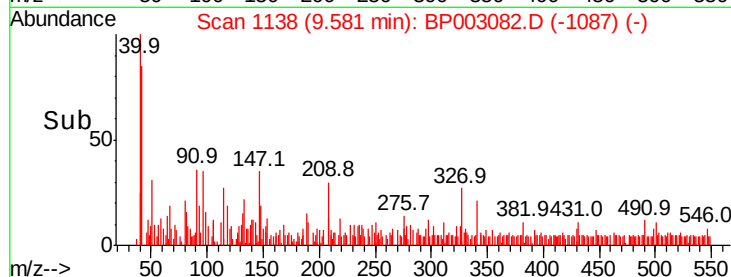
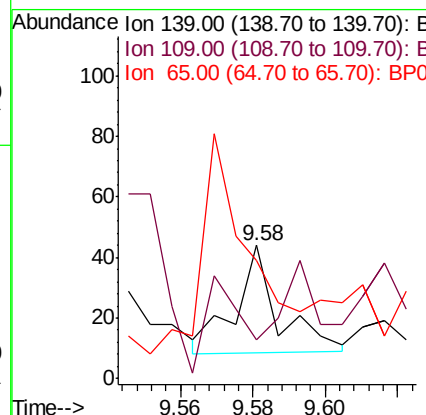
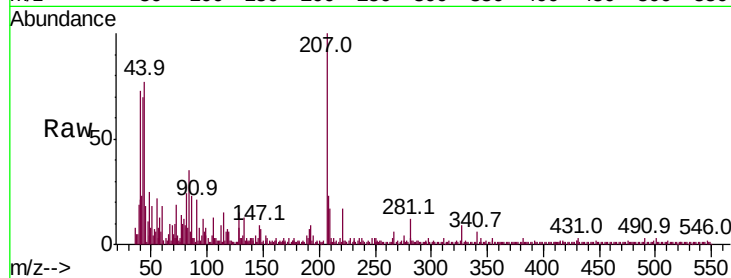




#26
2-Nitrophenol
Concen: 4.524 ng
RT: 9.58 min Scan# 1138
Delta R.T. 0.00 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

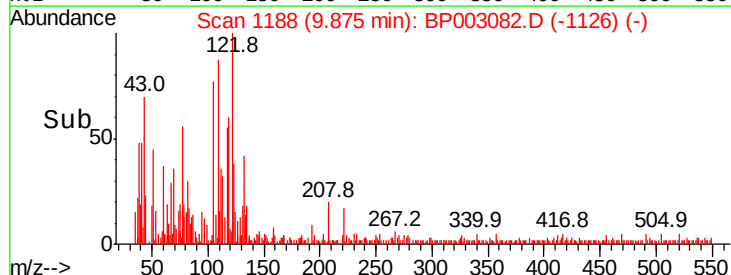
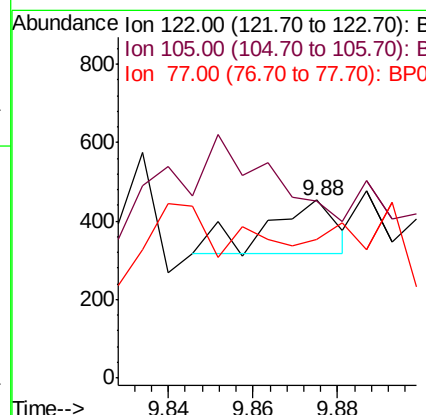
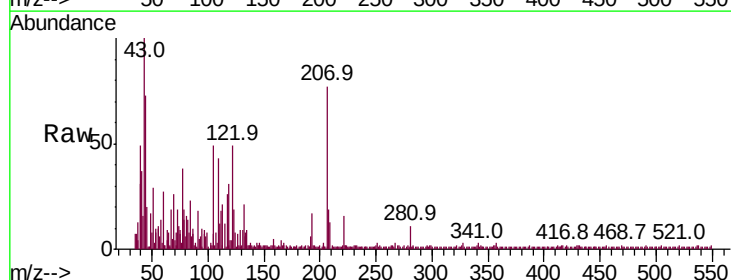
Instrument :
BNA_P
ClientSampleId :
OR-03-082020

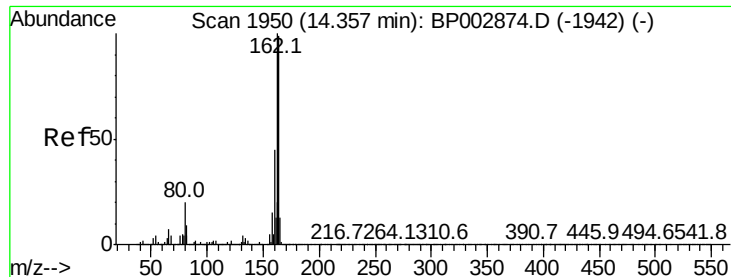
Tot Ion	Ratio	Lower	Upper
139	100		
109	29.5	21.0	31.6
65	88.6	27.2	40.8#



#32
Benzoic acid
Concen: 7.704 ng
RT: 9.88 min Scan# 1188
Delta R.T. 0.06 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Tgt Ion	Ratio	Lower	Upper
122	100		
105	99.3	96.2	136.2
77	78.1	55.6	95.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

Instrument :

BNA_P

ClientSampleId :

OR-03-082020

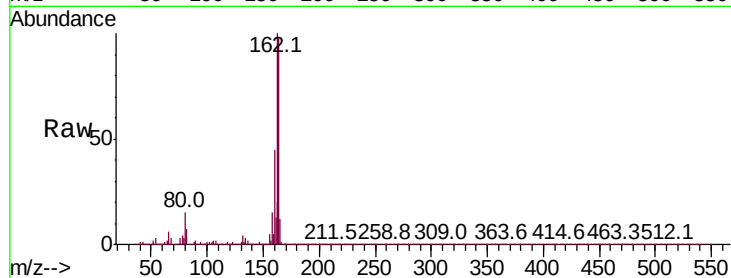
Tot Ion:164 Resp: 498648

Ion Ratio Lower Upper

164 100

162 101.8 81.4 122.0

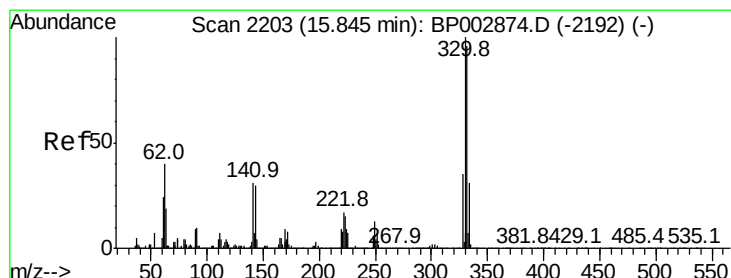
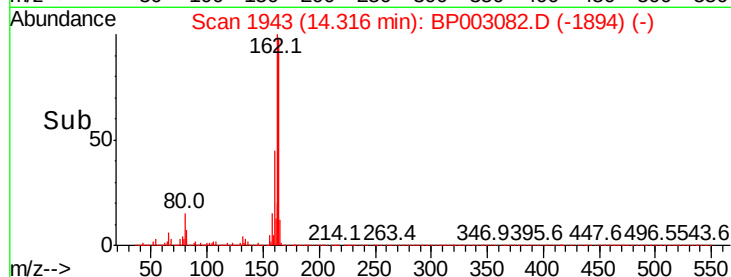
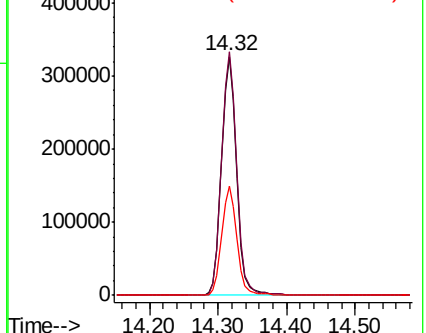
160 45.8 35.5 53.3



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: 148.841 ng

RT: 15.81 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

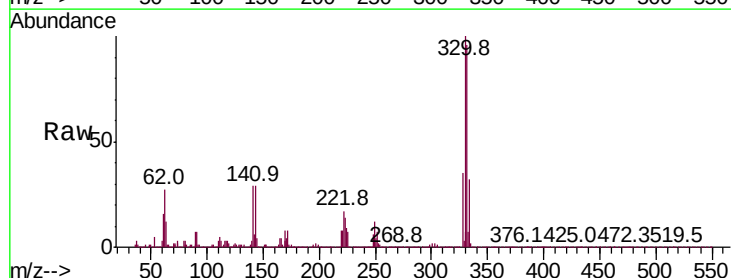
Tgt Ion:330 Resp: 922463

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

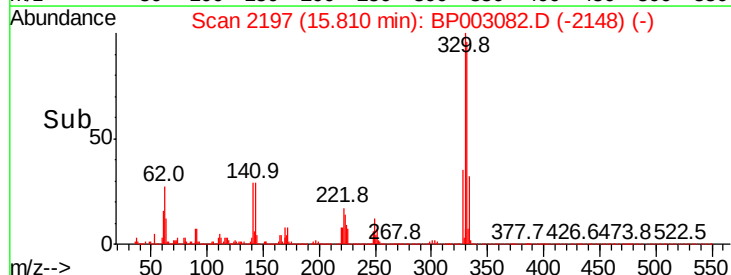
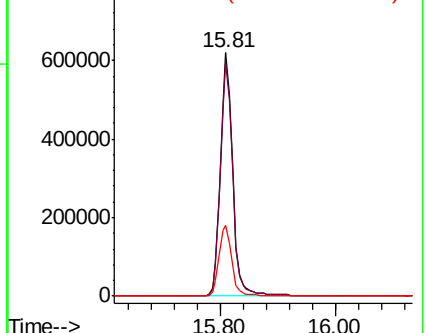
141 30.1 26.7 40.1

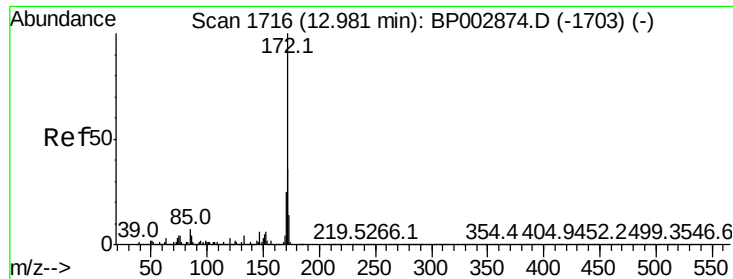


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

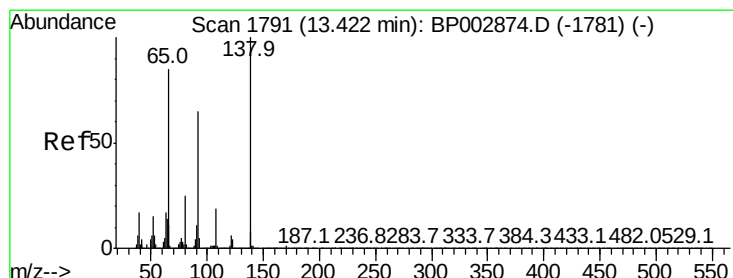
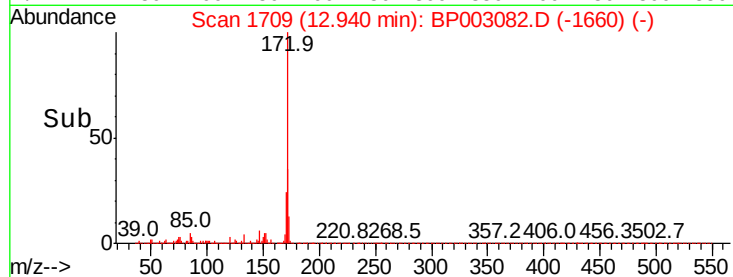
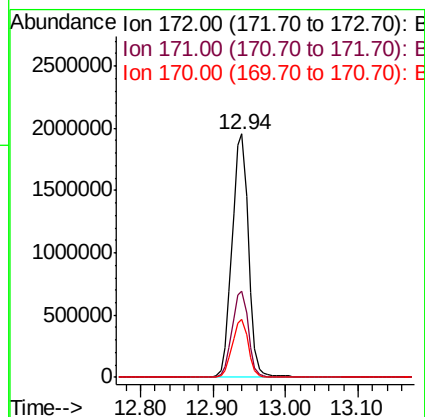
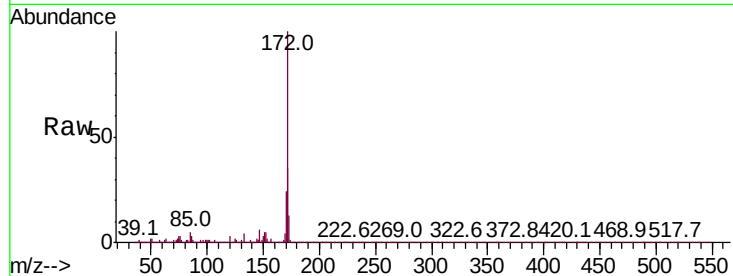




#45
2-Fluorobiphenyl
Concen: 84.591 ng
RT: 12.94 min Scan# 1709
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

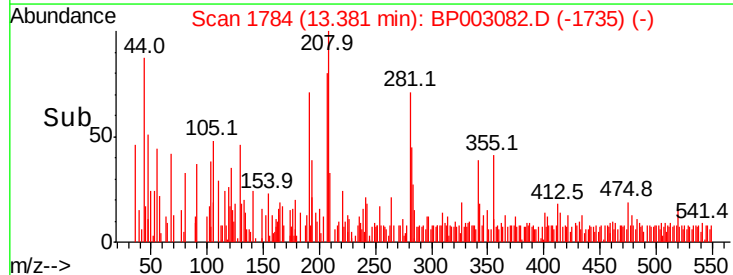
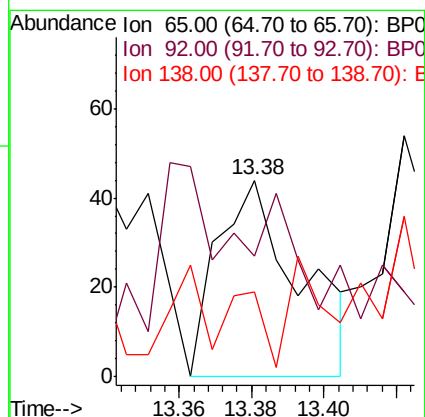
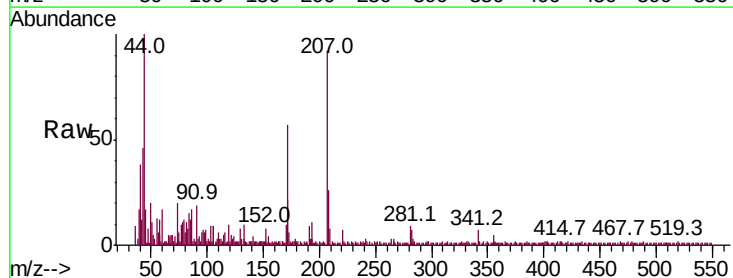
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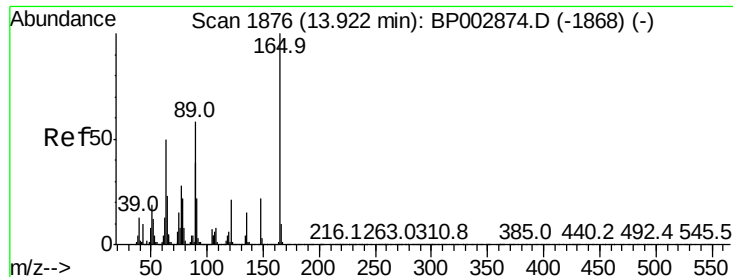
Tot Ion:172 Resp: 3087260
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 23.7 19.1 28.7



#48
2-Nitroaniline
Concen: 3.979 ng
RT: 13.38 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Tgt Ion: 65 Resp: 69
Ion Ratio Lower Upper
65 100
92 61.4 70.1 105.1#
138 43.2 129.7 194.5#





#51

2,6-Dinitrotoluene

Concen: 2.905 ng

RT: 14.08 min Scan# 1903

Delta R.T. 0.18 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

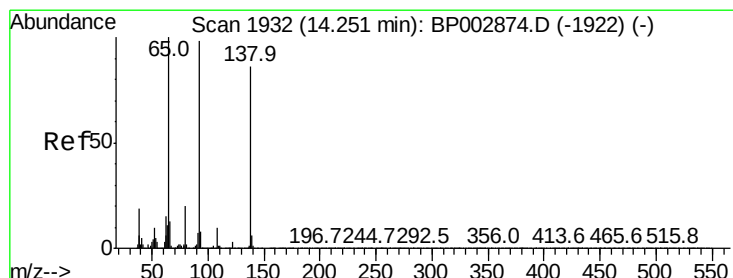
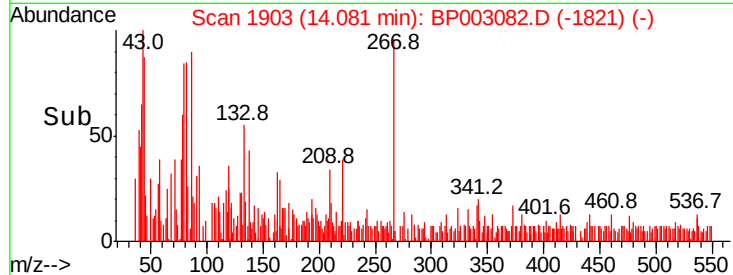
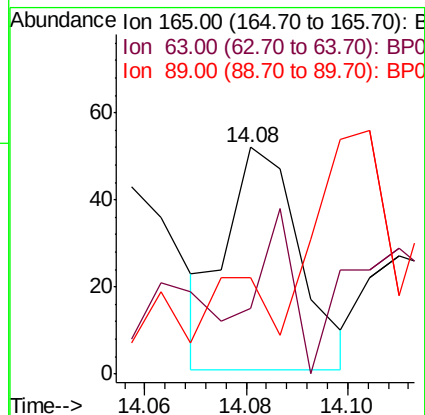
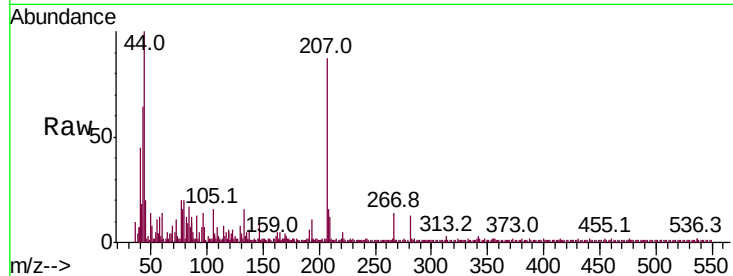
Instrument :

BNA_P

ClientSampleId :

OR-03-082020

Tot Ion:	165	Resp:	51
Ion	Ratio	Lower	Upper
165	100		
63	28.8	28.1	42.1
89	42.3	34.5	51.7



#53

3-Nitroaniline

Concen: 3.278 ng

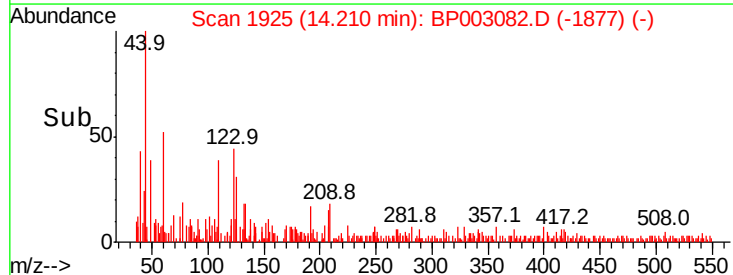
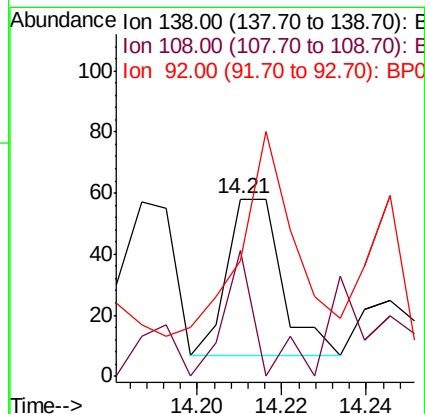
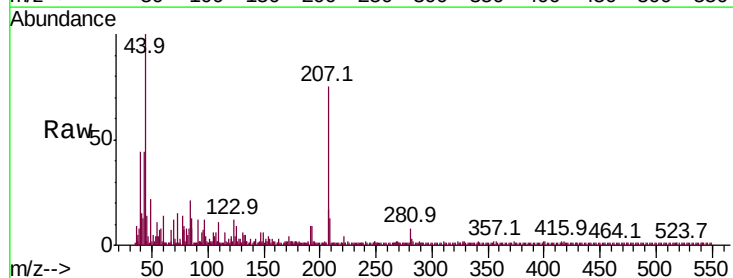
RT: 14.21 min Scan# 1925

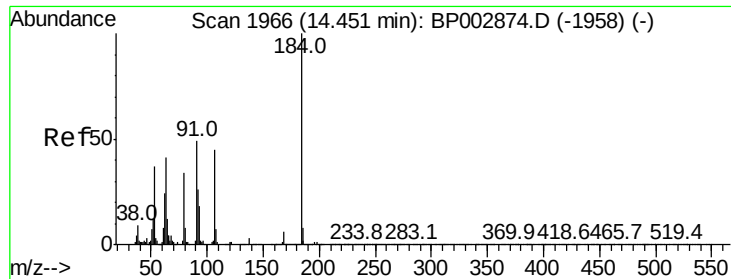
Delta R.T. -0.02 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

Tgt Ion:	138	Resp:	46
Ion	Ratio	Lower	Upper
138	100		
108	70.7	7.7	11.5#
92	65.5	75.6	113.4#





#54

2,4-Dinitrophenol

Concen: 8.060 ng

RT: 14.40 min Scan# 1958

Delta R.T. -0.03 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

Instrument :

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OR-03-082020

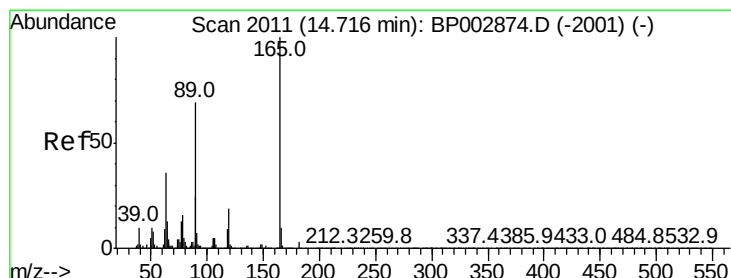
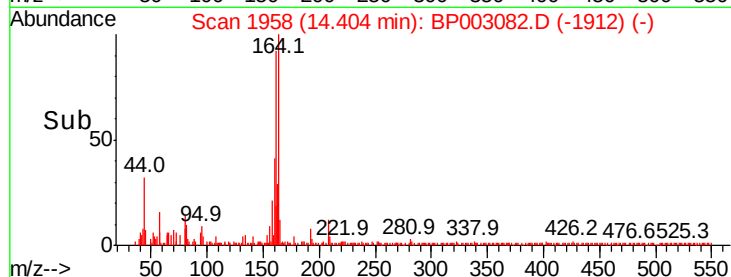
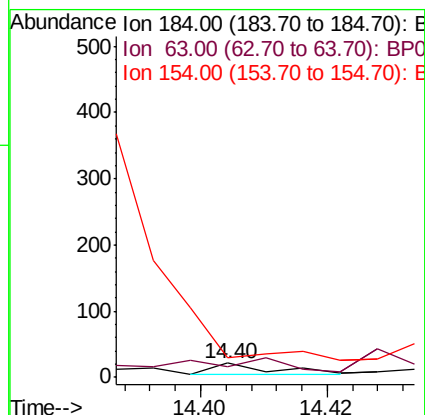
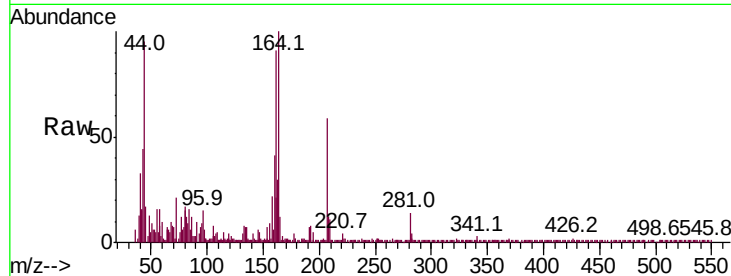
Tot Ion:184 Resp: 11

Ion Ratio Lower Upper

184 100

63 76.2 33.0 49.6#

154 142.9 46.8 70.2#



#57

2,4-Dinitrotoluene

Concen: 3.822 ng

RT: 14.71 min Scan# 2010

Delta R.T. 0.02 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

Tgt Ion:165 Resp: 198

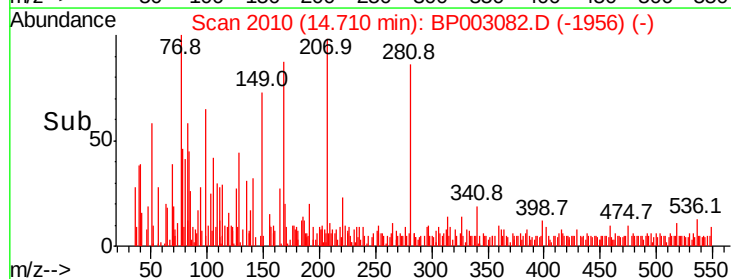
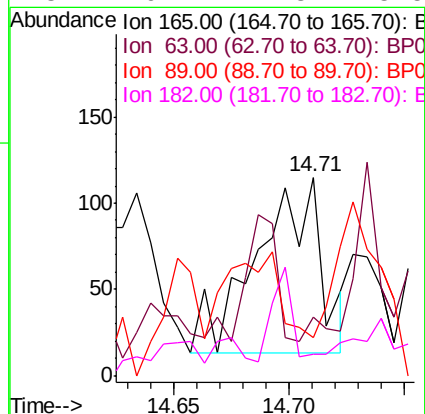
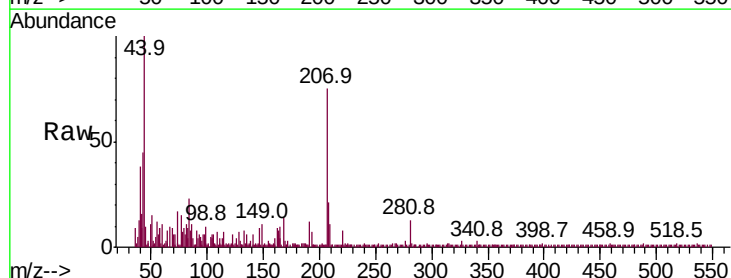
Ion Ratio Lower Upper

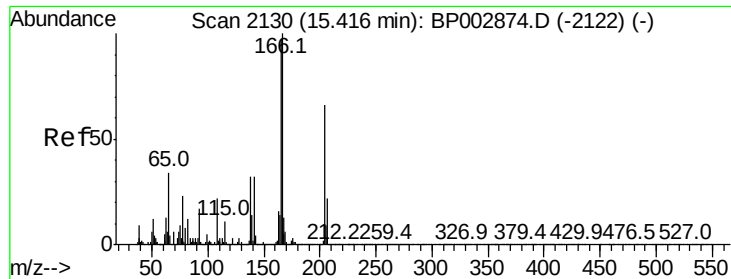
165 100

63 29.6 20.6 31.0

89 19.1 43.4 65.0#

182 10.4 2.3 3.5#

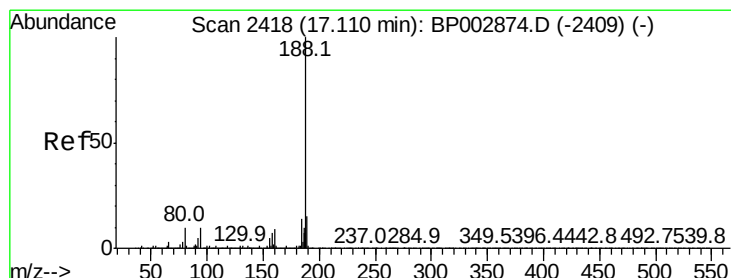
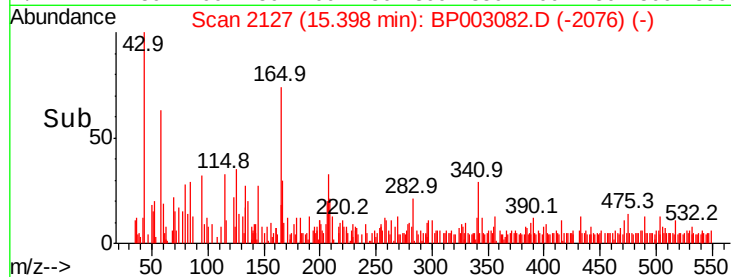
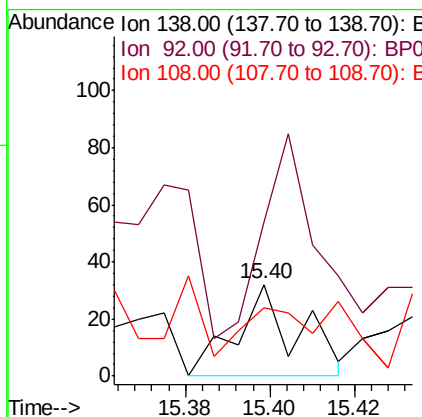
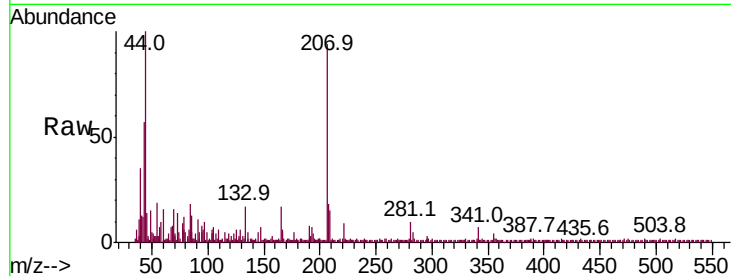




#62
4-Nitroaniline
Concen: 2.419 ng
RT: 15.40 min Scan# 2127
Delta R.T. 0.00 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

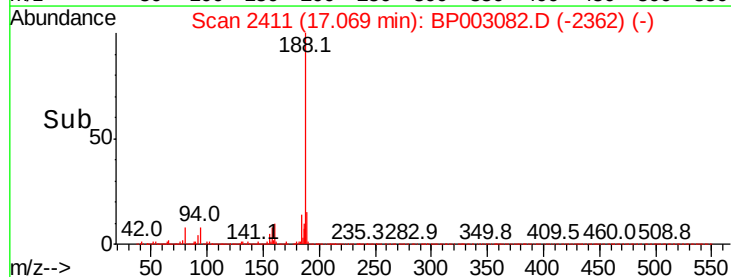
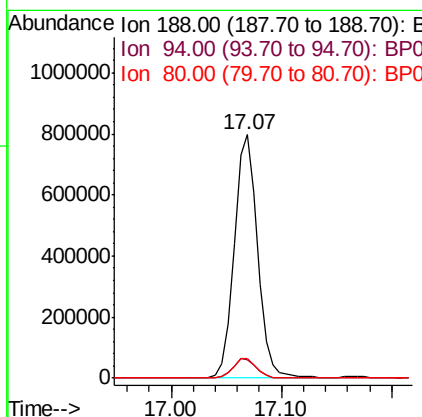
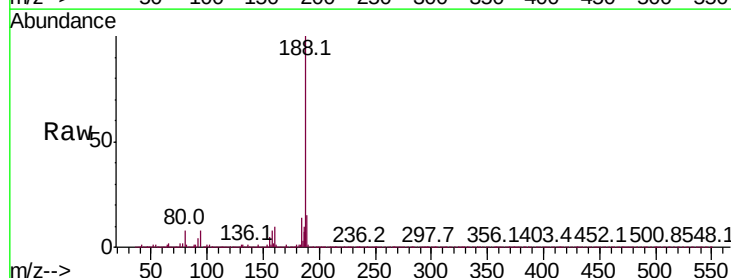
Instrument :
BNA_P
ClientSampleId :
OR-03-082020

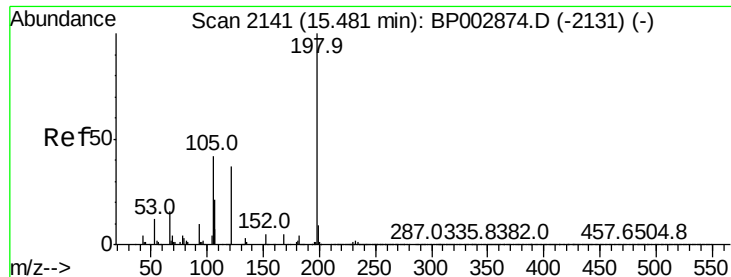
Tot Ion:138 Resp: 32
Ion Ratio Lower Upper
138 100
92 168.8 21.4 61.4#
108 75.0 40.8 80.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Tgt Ion:188 Resp: 1180763
Ion Ratio Lower Upper
188 100
94 7.7 7.1 10.7
80 8.1 6.7 10.1

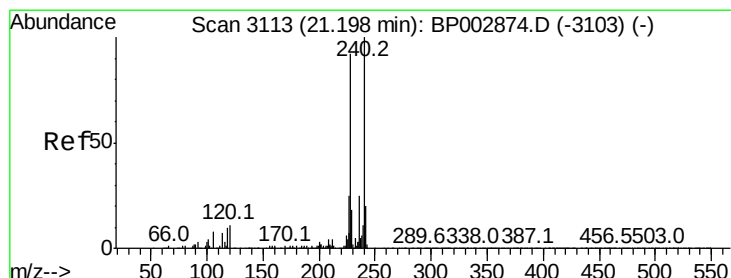
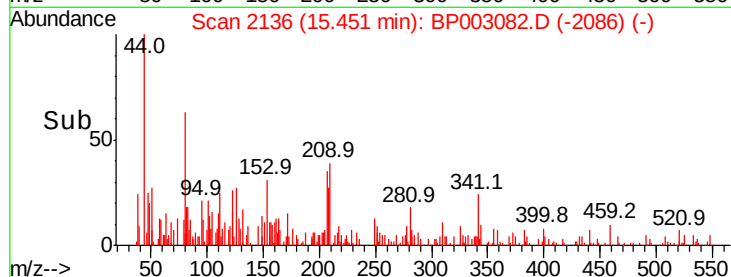
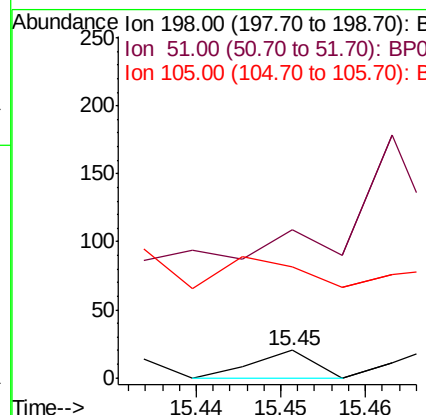
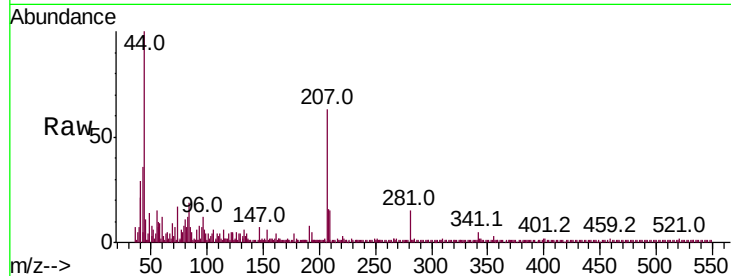




#65
4,6-Dinitro-2-methylphenol
Concen: 6.902 ng
RT: 15.45 min Scan# 2136
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

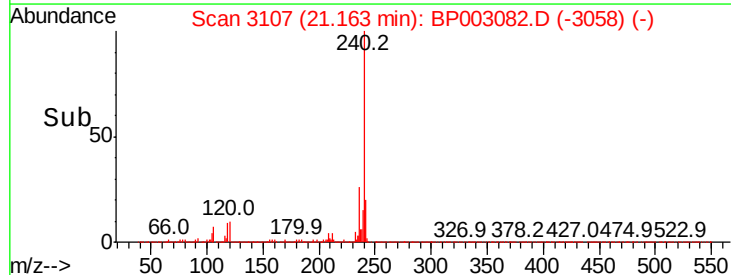
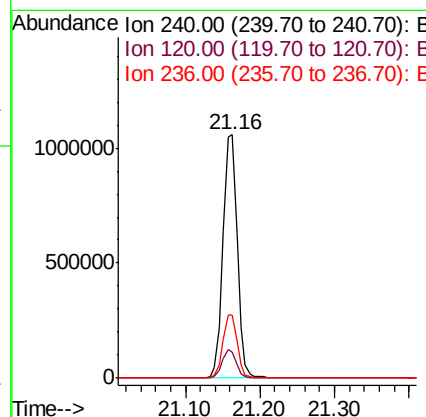
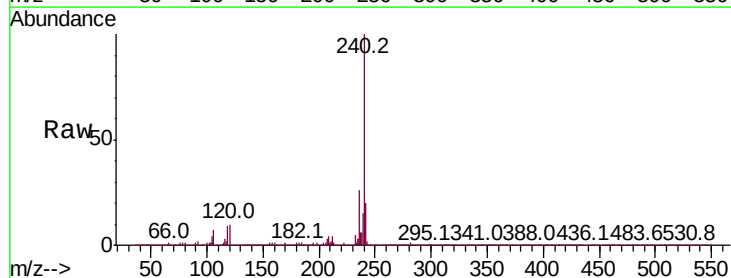
Instrument :
BNA_P
ClientSampleId :
OR-03-082020

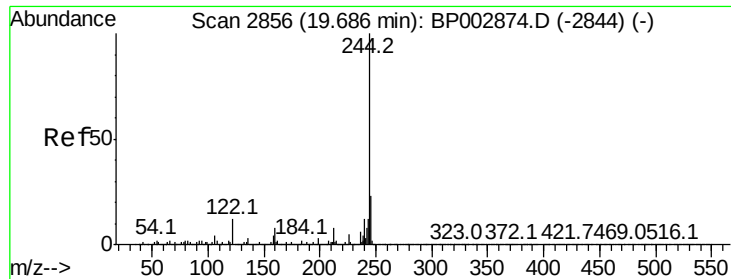
Tot Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 545.0 6.2 46.2#
105 410.0 19.9 59.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Tgt Ion:240 Resp: 1397384
Ion Ratio Lower Upper
240 100
120 10.5 9.5 14.3
236 26.0 20.8 31.2





#79

Terphenyl-d14

Concen: 69.434 ng

RT: 19.65 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

Instrument :

BNA_P

ClientSampleId :

OR-03-082020

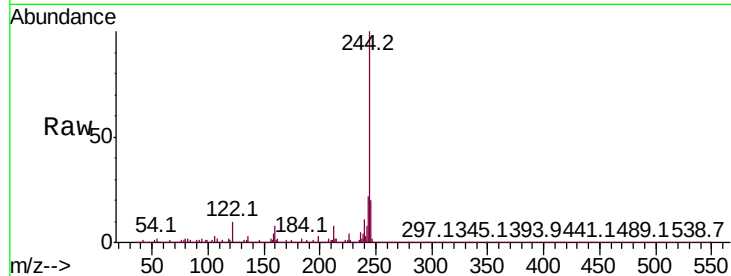
Tot Ion:244 Resp: 4846590

Ion Ratio Lower Upper

244 100

212 7.7 6.3 9.5

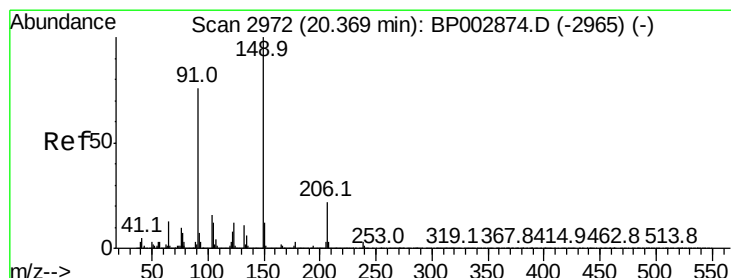
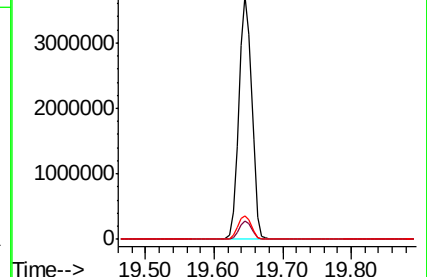
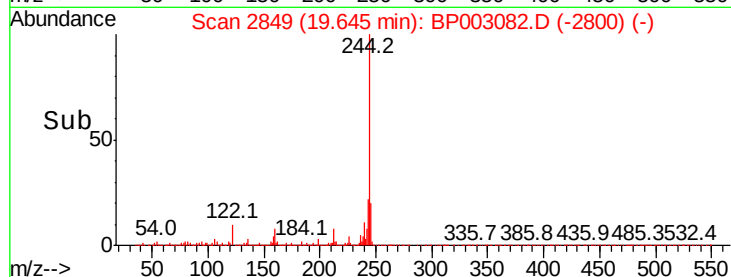
122 9.9 8.7 13.1



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: 3.062 ng

RT: 20.19 min Scan# 2941

Delta R.T. -0.15 min

Lab File: BP003082.D

Acq: 21 Aug 2020 18:32

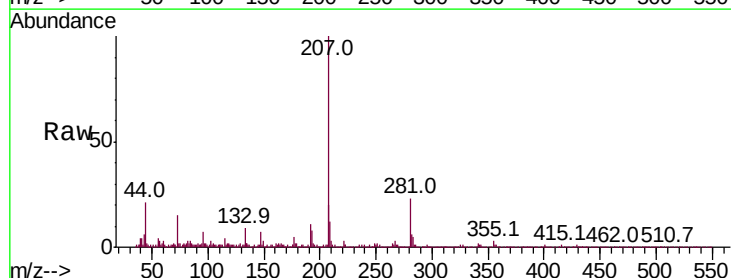
Tgt Ion:149 Resp: 183

Ion Ratio Lower Upper

149 100

91 51.5 45.3 67.9

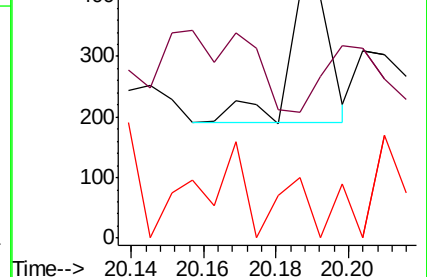
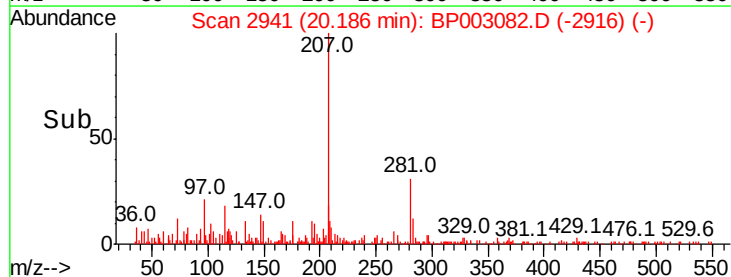
206 25.1 17.5 26.3

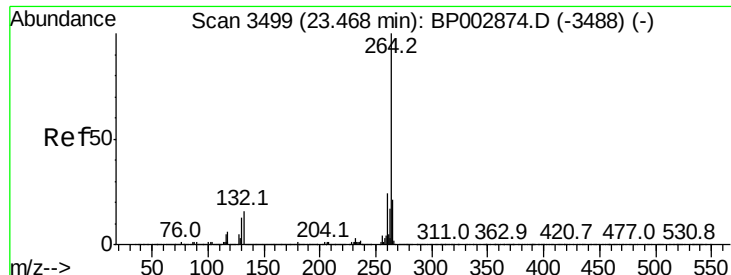


Abundance Ion 149.00 (148.70 to 149.70): E

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: 23.40 min Scan# 3488
Delta R.T. -0.02 min
Lab File: BP003082.D
Acq: 21 Aug 2020 18:32

Instrument :
BNA_P
ClientSampleId :
OR-03-082020

Tot Ion:264 Resp: 1565936

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.4	17.3	25.9

