

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070720\
 Data File : BP002654.D
 Acq On : 07 Jul 2020 12:59
 Operator : CG/JU
 Sample : L3204-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WF-COMP

Quant Time: Jul 07 14:38:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	187913	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	728240	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	383319	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	317518	20.00	ng	0.00
76) Chrysene-d12	21.09	240	572224	20.00	ng	0.00
86) Perylene-d12	23.28	264	845699	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1138164	102.55	ng	0.00
7) Phenol-d6	6.76	99	1546817	99.85	ng	0.00
23) Nitrobenzene-d5	8.71	82	1047691	74.13	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	361000	77.43	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2130874	81.82	ng	0.00
79) Terphenyl-d14	19.59	244	1097838	41.41	ng	0.01

Target Compounds

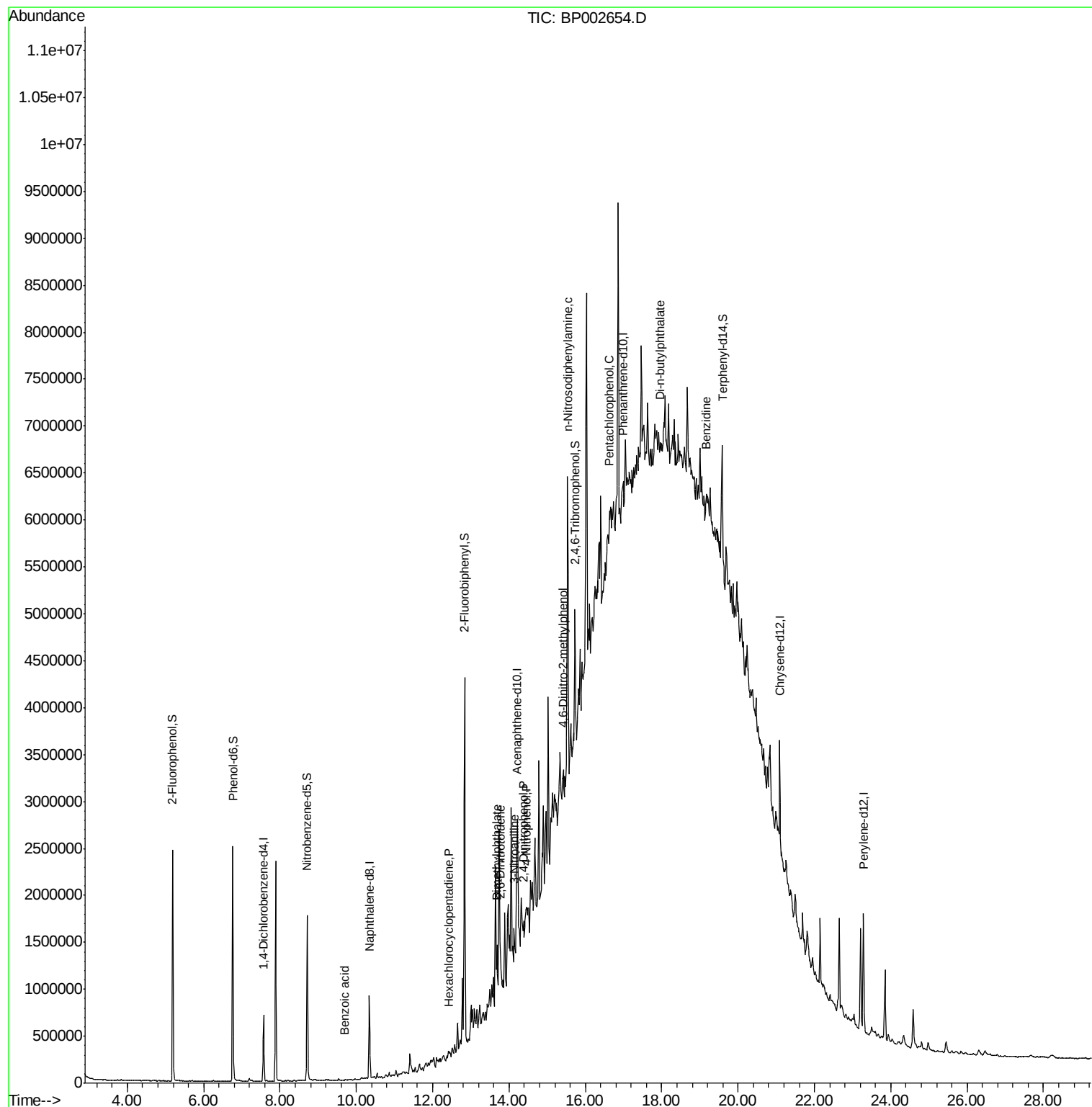
						Qvalue
9) Benzaldehyde	6.71	77	157	Below Cal	#	57
32) Benzoic acid	9.69	122	247	8.724 ng	#	67
41) Hexachlorocyclopentadiene	12.42	237	30	4.386 ng	#	77
50) Dimethylphthalate	13.68	163	314687	10.452 ng	#	98
51) 2,6-Dinitrotoluene	13.77	165	33223	5.109 ng	#	29
53) 3-Nitroaniline	14.13	138	15395	2.174 ng	#	22
54) 2,4-Dinitrophenol	14.36	184	276	6.072 ng	#	1
56) 4-Nitrophenol	14.46	139	352	2.497 ng	#	1
65) 4,6-Dinitro-2-methylphenol	15.41	198	1569	3.434 ng	#	1
66) n-Nitrosodiphenylamine	15.53	169	74830	8.073 ng	#	53
70) Pentachlorophenol	16.64	266	2332	3.694 ng	#	12
74) Di-n-butylphthalate	17.96	149	44926	2.322 ng	#	34
77) Benzidine	19.16	184	5931	3.980 ng	#	1

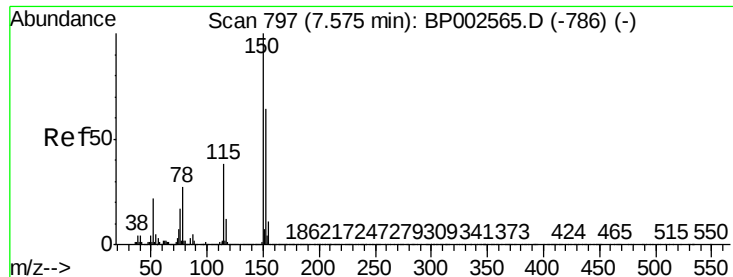
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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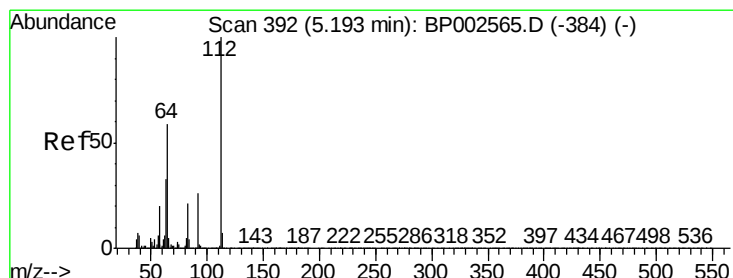
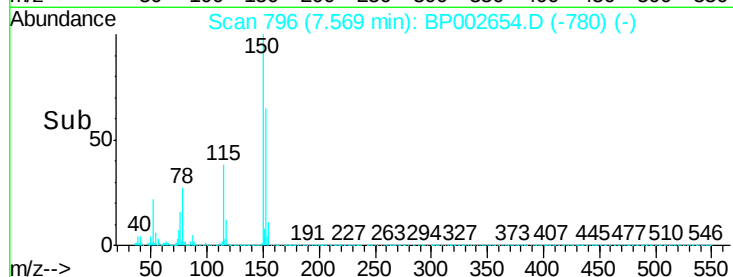
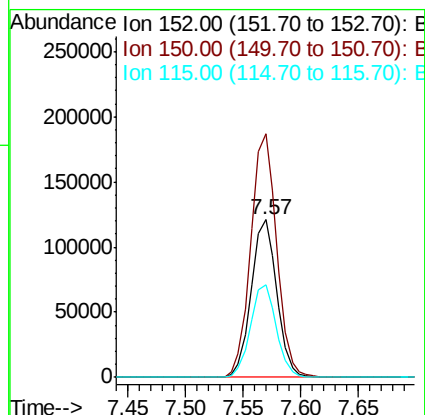
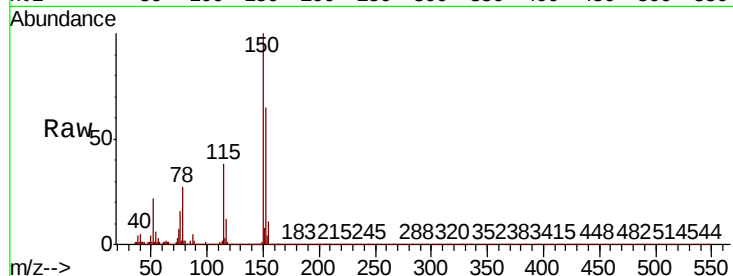


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

Instrument :
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ClientSampleId :
WF-COMP

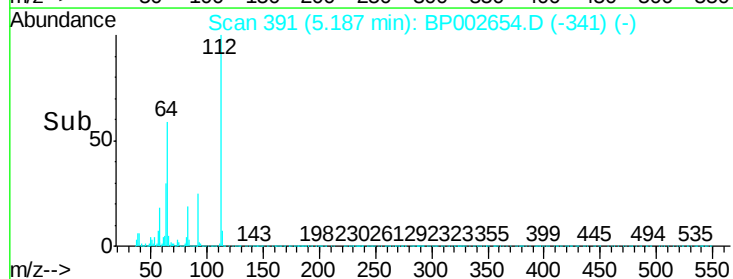
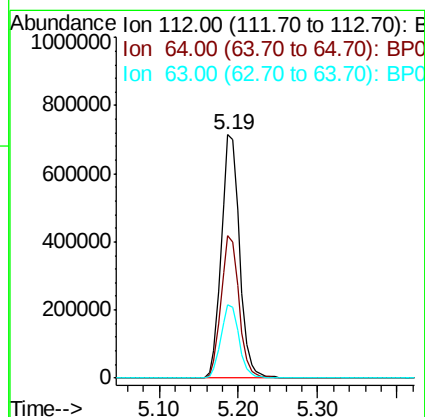
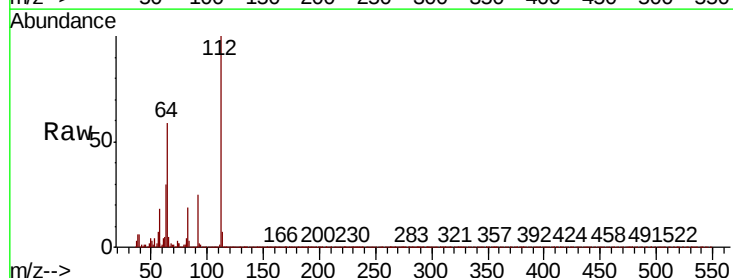
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	59.1	47.1	70.7

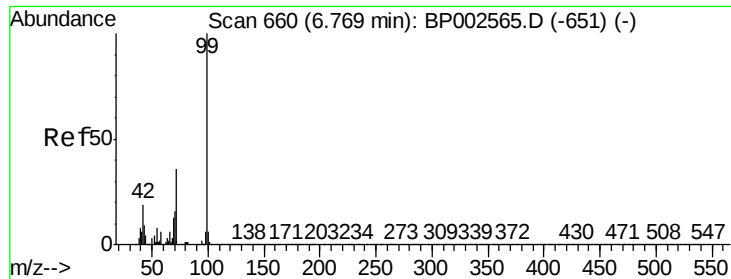


#5

2-Fluorophenol
Concen: 102.550 ng
RT: 5.19 min Scan# 391
Delta R.T. -0.01 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.0	70.6
63	30.2	26.1	39.1





#7

Phenol-d6

Concen: 99.853 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

Instrument :

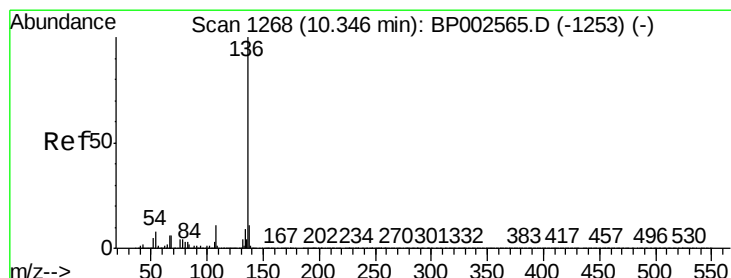
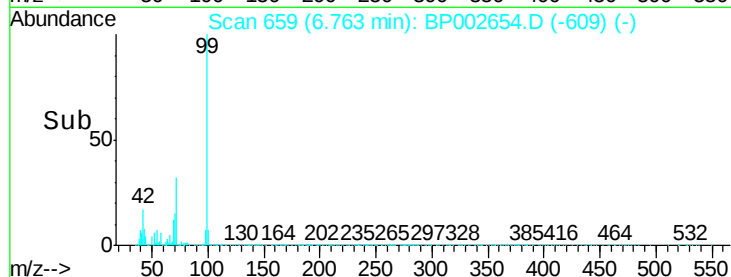
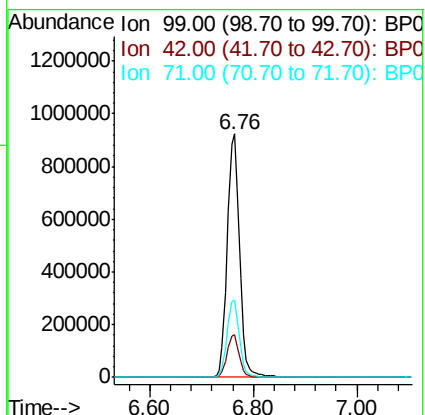
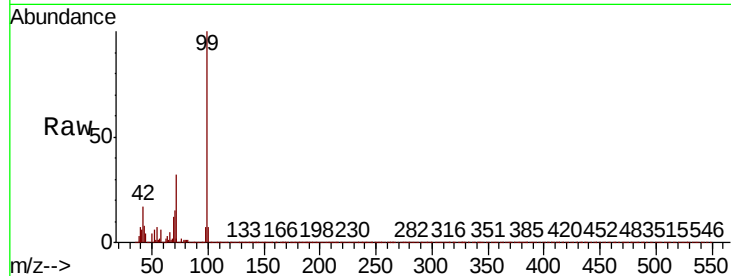
BNA_P

ClientSampleId :

WF-COMP

Tot Ion: 99 Resp: 1546817

Ion	Ratio	Lower	Upper
99	100		
42	17.4	15.5	23.3
71	31.9	28.9	43.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

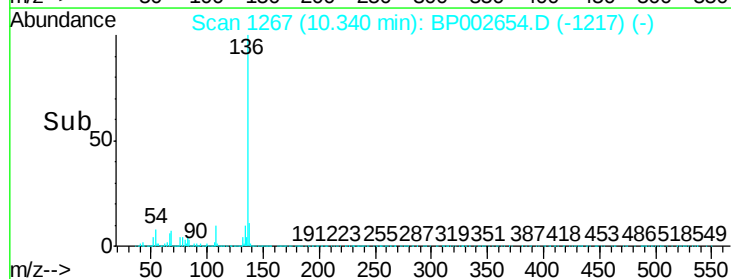
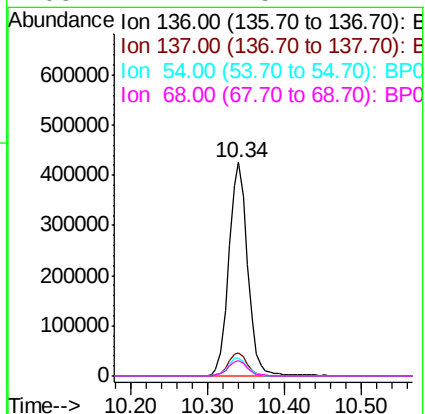
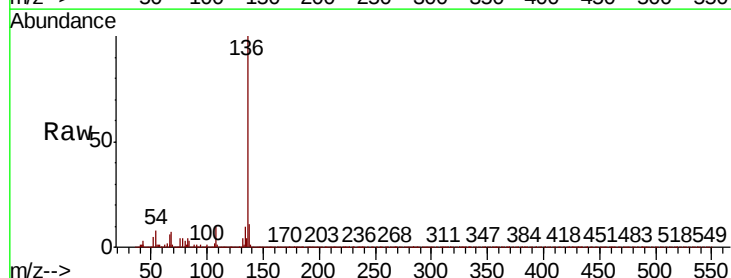
Delta R.T. -0.01 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

Tgt Ion: 136 Resp: 728240

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.3	6.4	9.6
68	7.2	5.1	7.7

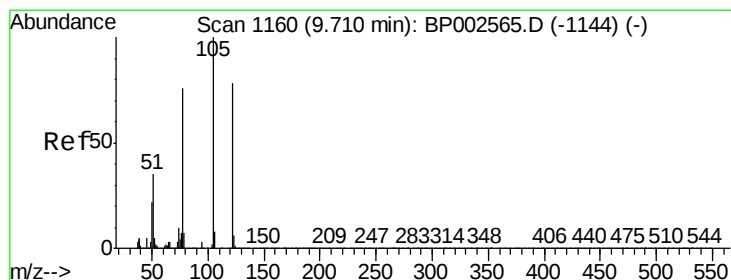
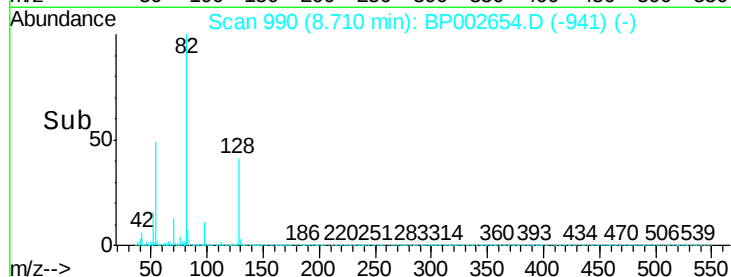
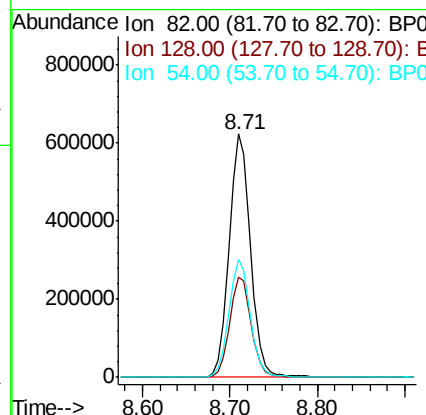
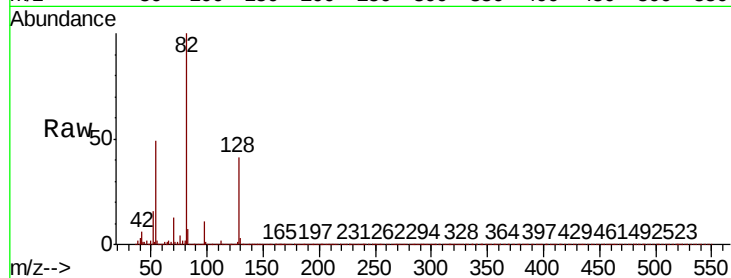




#23
 Nitrobenzene-d5
 Concen: 74.127 ng
 RT: 8.71 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BP002654.D
 Acq: 07 Jul 2020 12:59

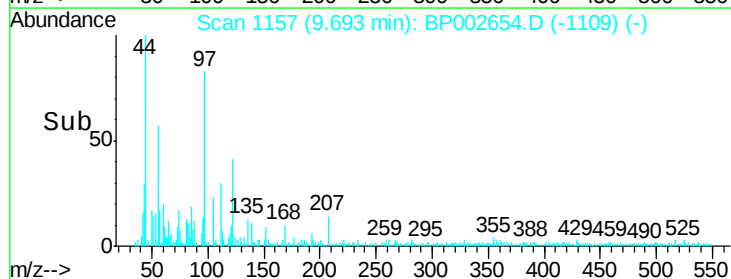
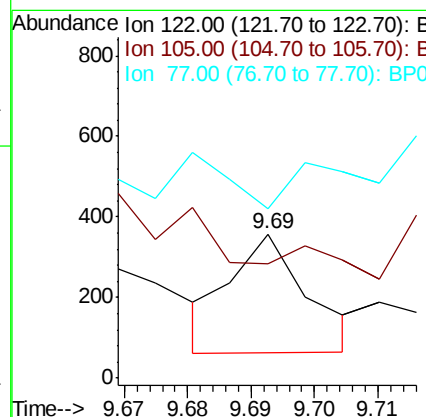
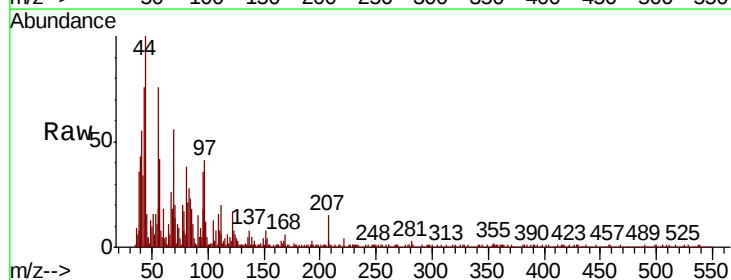
Instrument :
 BNA_P
 ClientSampleId :
 WF-COMP

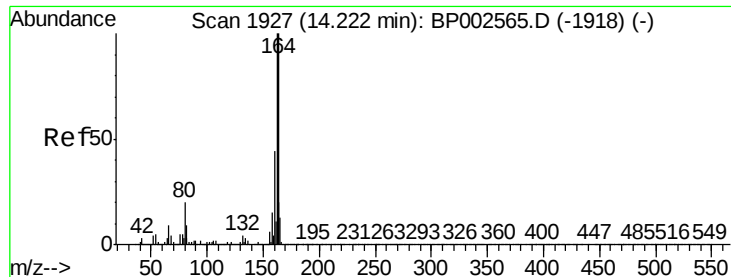
Tot Ion: 82 Resp: 1047691
 Ion Ratio Lower Upper
 82 100
 128 41.4 33.4 50.2
 54 48.7 40.1 60.1



#32
 Benzoic acid
 Concen: 8.724 ng
 RT: 9.69 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: BP002654.D
 Acq: 07 Jul 2020 12:59

Tgt Ion: 122 Resp: 247
 Ion Ratio Lower Upper
 122 100
 105 79.8 106.6 146.6#
 77 118.2 76.5 116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

WF-COMP

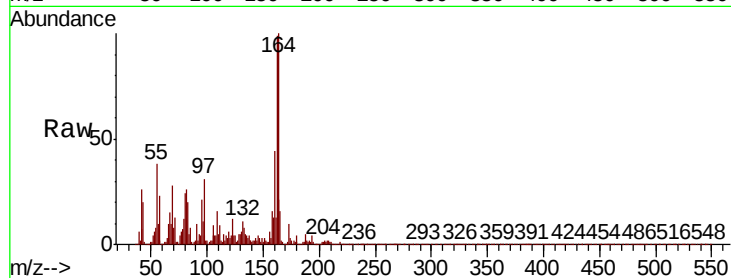
Tot Ion:164 Resp: 383319

Ion Ratio Lower Upper

164 100

162 98.5 80.3 120.5

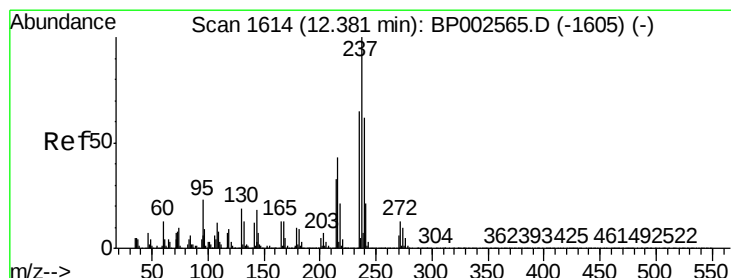
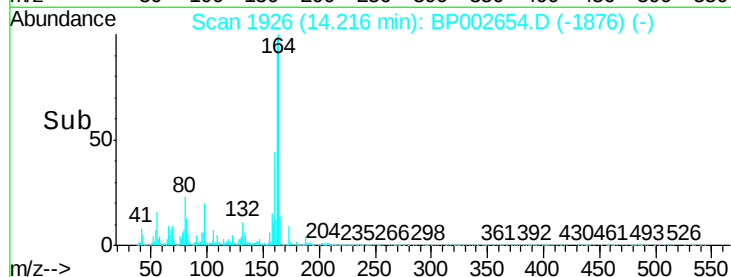
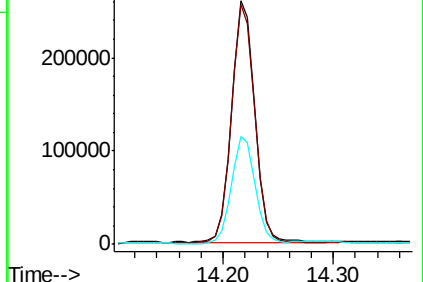
160 44.2 35.0 52.6



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



#41

Hexachlorocyclopentadiene

Concen: 4.386 ng

RT: 12.42 min Scan# 1620

Delta R.T. 0.04 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

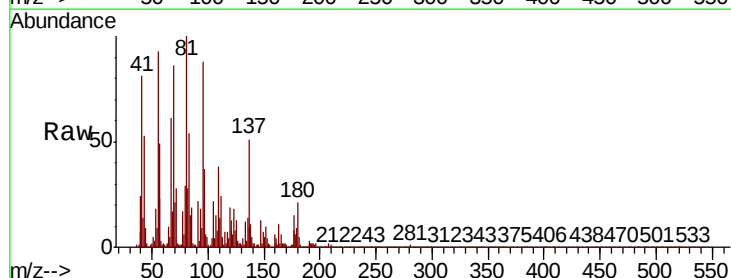
Tgt Ion:237 Resp: 30

Ion Ratio Lower Upper

237 100

235 48.5 45.4 85.4

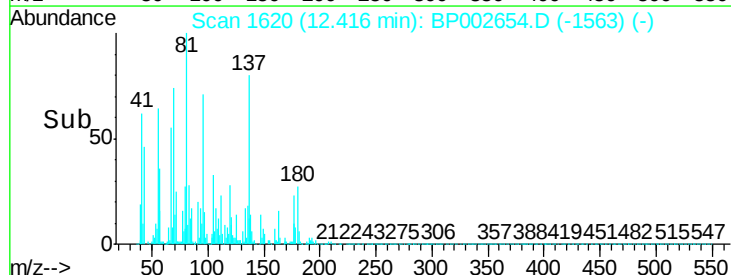
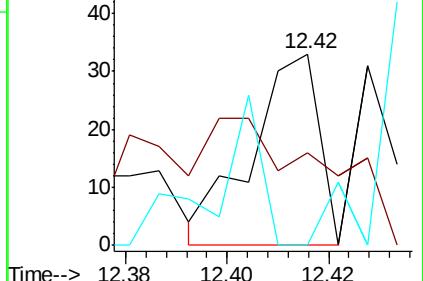
272 0.0 0.0 32.6

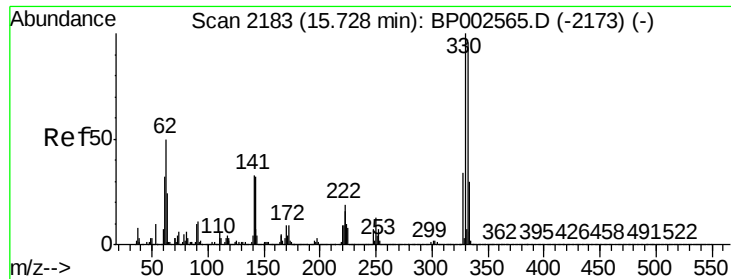


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

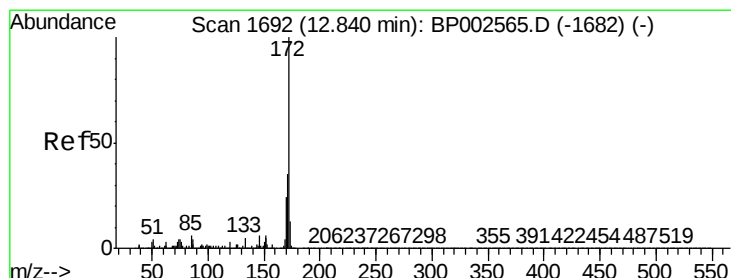
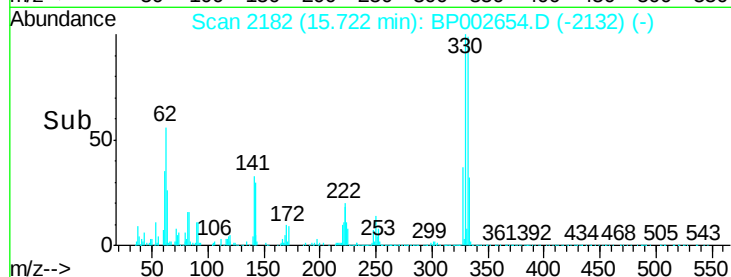
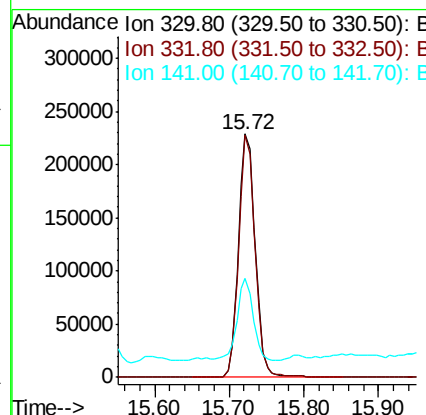
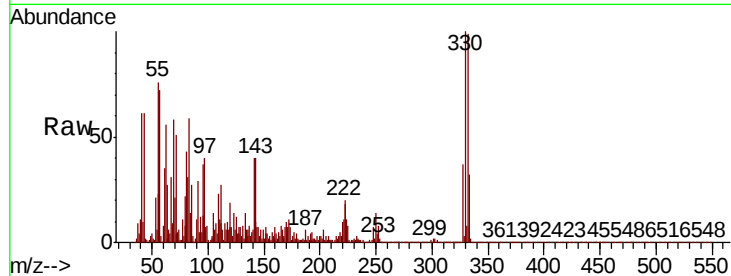




#42
 2,4,6-Tribromophenol
 Concen: 77.431 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002654.D
 Acq: 07 Jul 2020 12:59

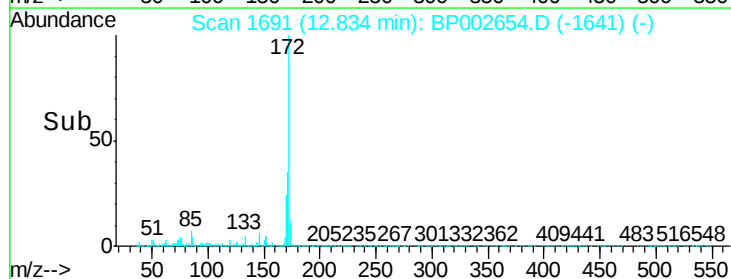
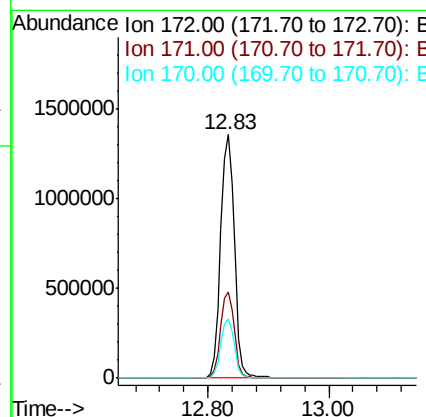
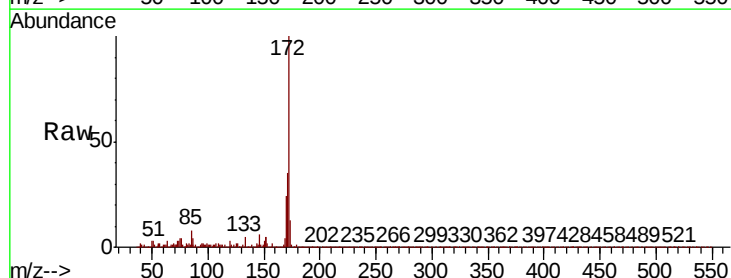
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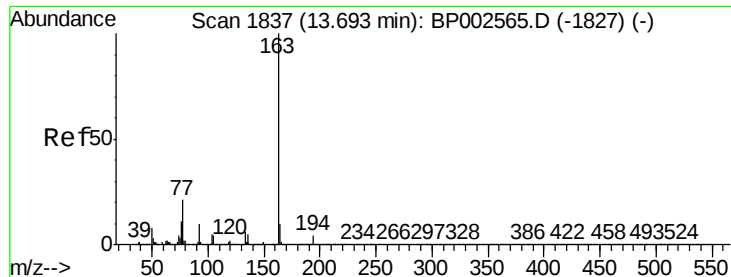
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.7	116.5
141	31.9	29.0	43.6



#45
 2-Fluorobiphenyl
 Concen: 81.819 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002654.D
 Acq: 07 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.0	42.0
170	24.1	19.0	28.4

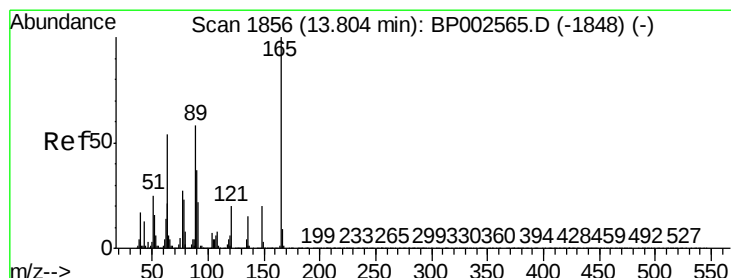
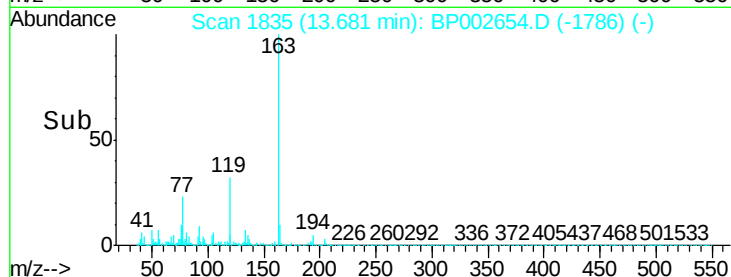
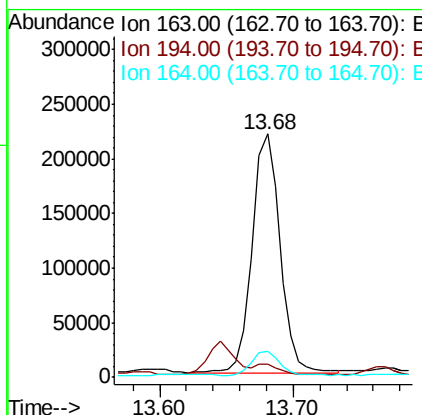
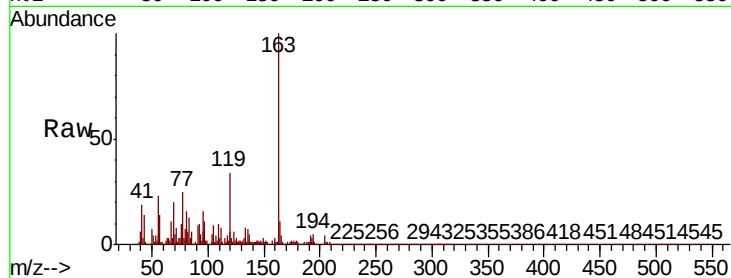




#50
Dimethylphthalate
Concen: 10.452 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

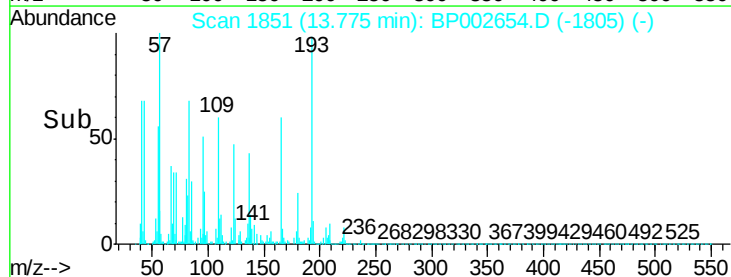
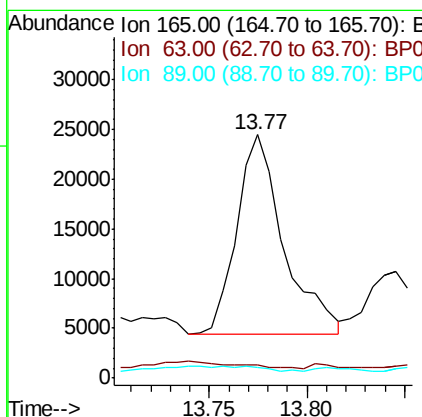
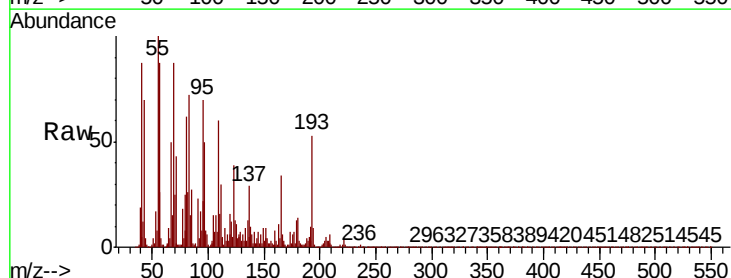
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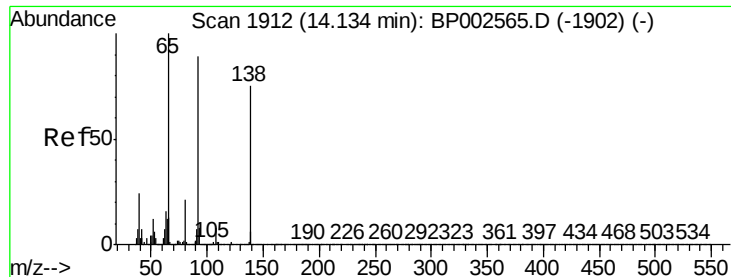
Tot Ion:163 Resp: 314687
Ion Ratio Lower Upper
163 100
194 5.5 3.4 5.0#
164 10.5 8.2 12.4



#51
2,6-Dinitrotoluene
Concen: 5.109 ng
RT: 13.77 min Scan# 1851
Delta R.T. -0.03 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

Tgt Ion:165 Resp: 33223
Ion Ratio Lower Upper
165 100
63 5.5 46.6 69.8#
89 4.6 46.3 69.5#

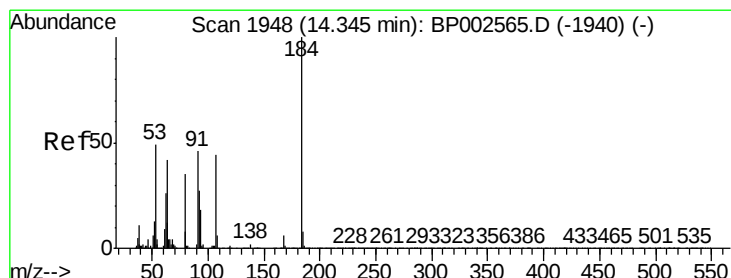
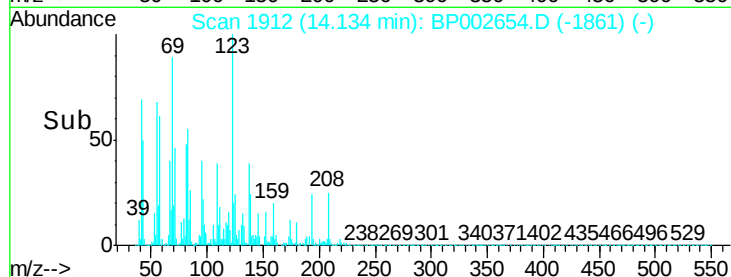
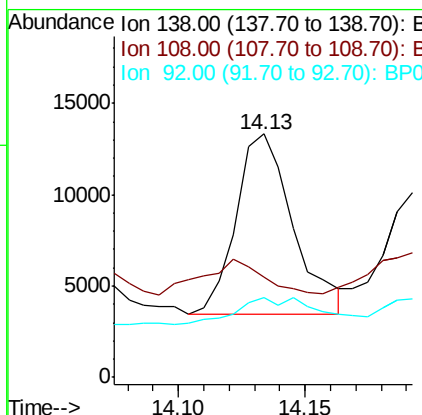
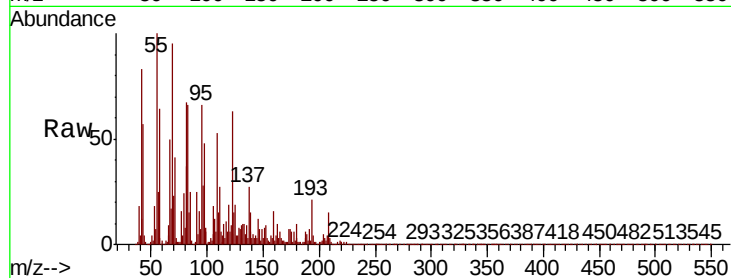




#53
3-Nitroaniline
Concen: 2.174 ng
RT: 14.13 min Scan# 1912
Delta R.T. -0.00 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

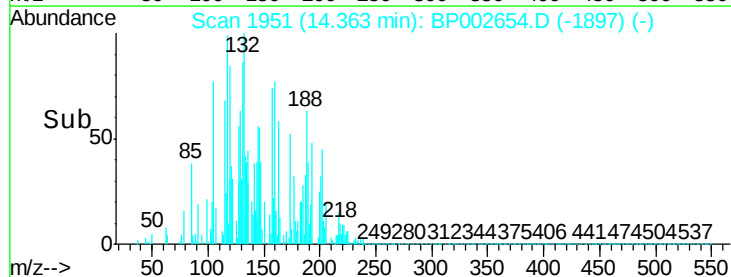
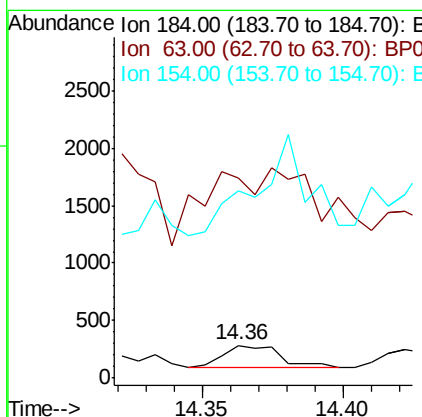
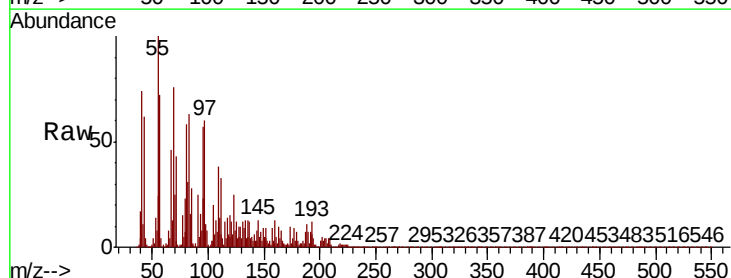
Instrument :
BNA_P
ClientSampleId :
WF-COMP

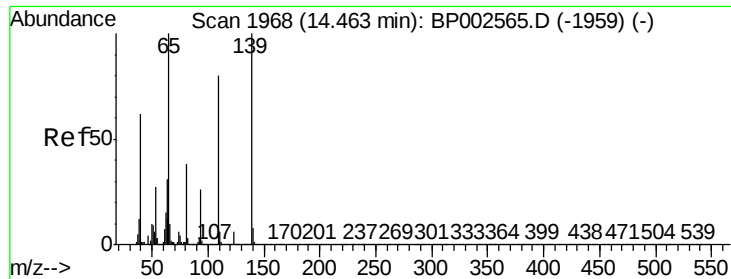
Tot Ion:138 Resp: 15395
Ion Ratio Lower Upper
138 100
108 41.1 8.6 12.8#
92 32.5 94.9 142.3#



#54
2,4-Dinitrophenol
Concen: 6.072 ng
RT: 14.36 min Scan# 1951
Delta R.T. 0.02 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

Tgt Ion:184 Resp: 276
Ion Ratio Lower Upper
184 100
63 610.9 56.2 84.2#
154 571.9 50.9 76.3#

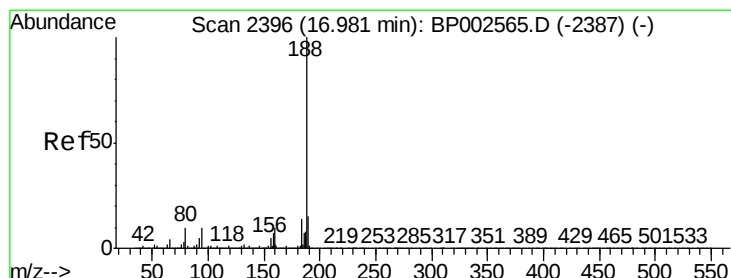
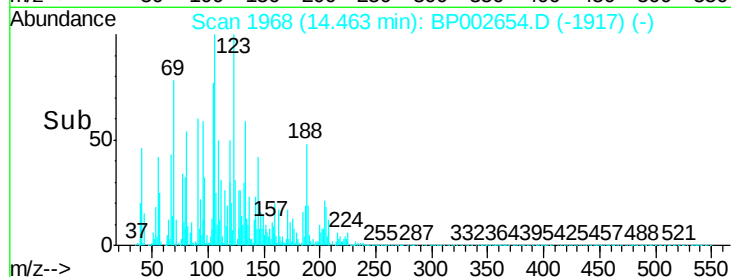
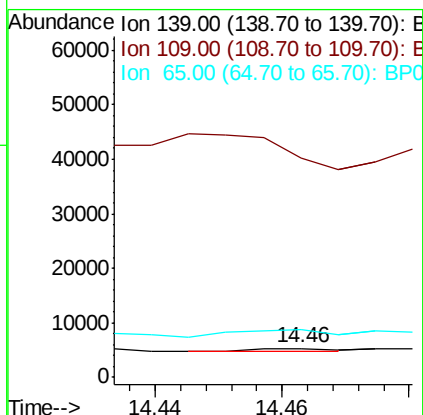
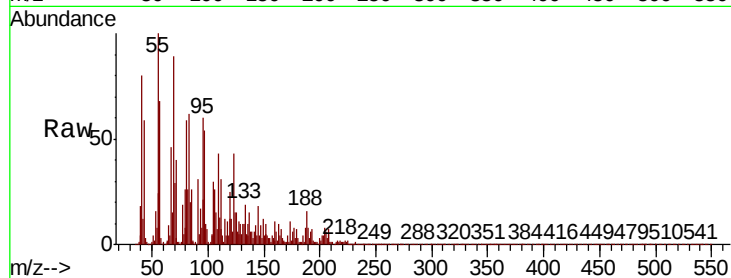




#56
4-Nitrophenol
Concen: 2.497 ng
RT: 14.46 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

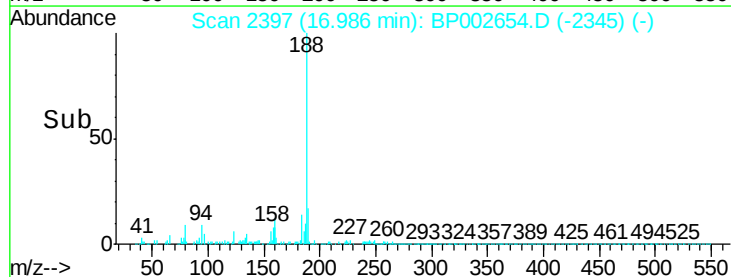
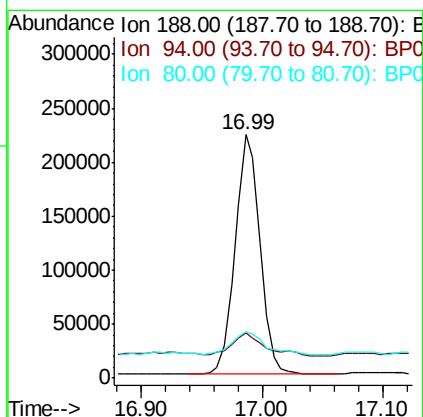
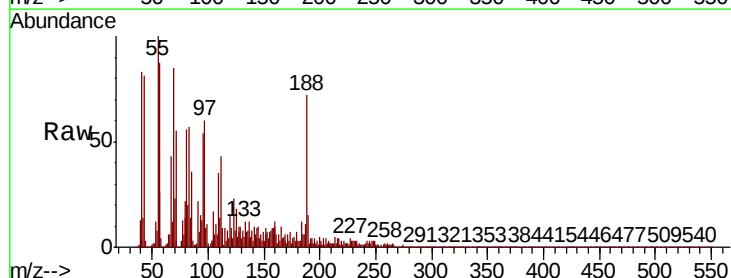
Instrument :
BNA_P
ClientSampleId :
WF-COMP

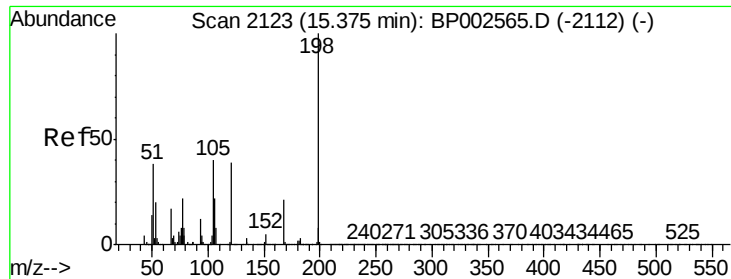
Tot Ion	Ratio	Lower	Upper
139	100		
109	755.6	60.1	100.1#
65	164.8	80.3	120.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2397
Delta R.T. 0.01 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	18.4	7.8	11.6#
80	19.0	8.2	12.4#





#65

4,6-Dinitro-2-methylphenol

Concen: 3.434 ng

RT: 15.41 min Scan# 2129

Delta R.T. 0.04 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

WF-COMP

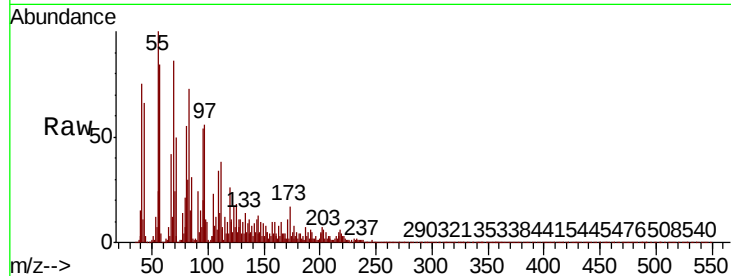
Tot Ion:198 Resp: 1569

Ion Ratio Lower Upper

198 100

51 397.9 24.2 64.2#

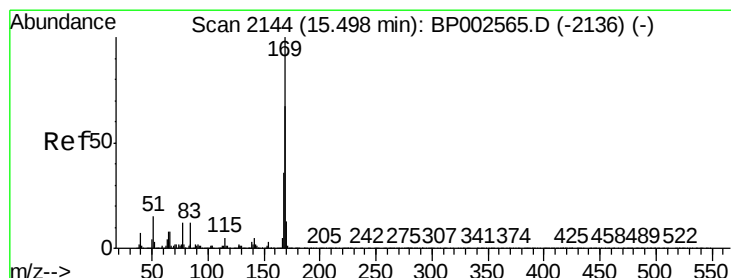
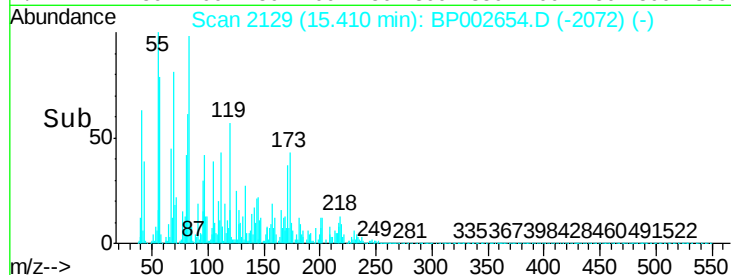
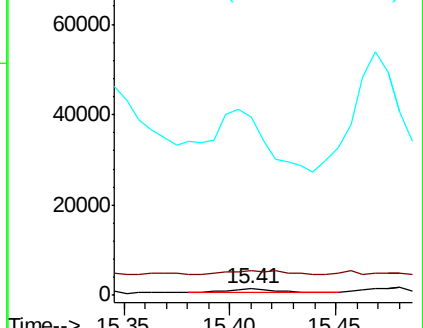
105 2796.6 20.7 60.7#



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



#66

n-Nitrosodiphenylamine

Concen: 8.073 ng

RT: 15.53 min Scan# 2150

Delta R.T. 0.04 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

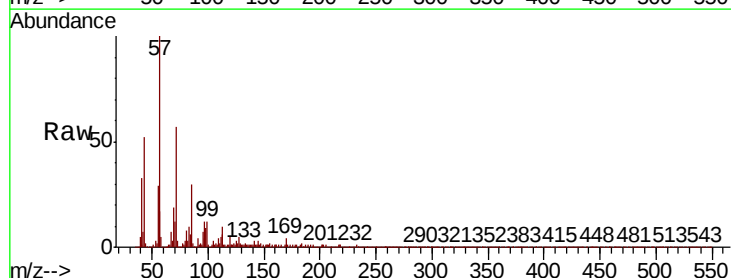
Tgt Ion:169 Resp: 74830

Ion Ratio Lower Upper

169 100

168 27.3 53.5 80.3#

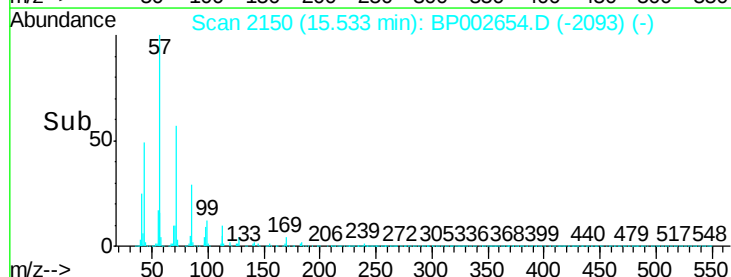
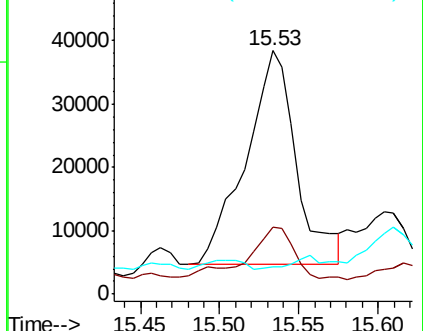
167 11.0 29.1 43.7#

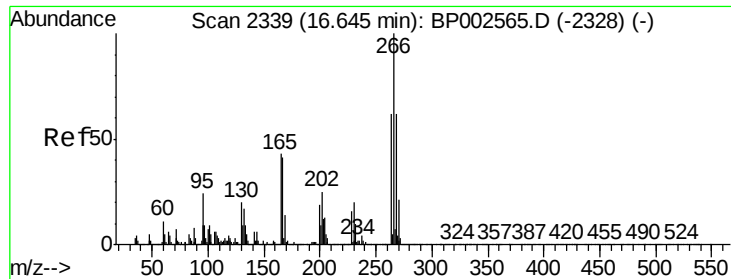


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

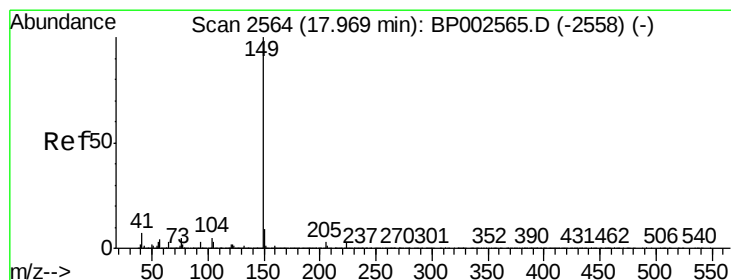
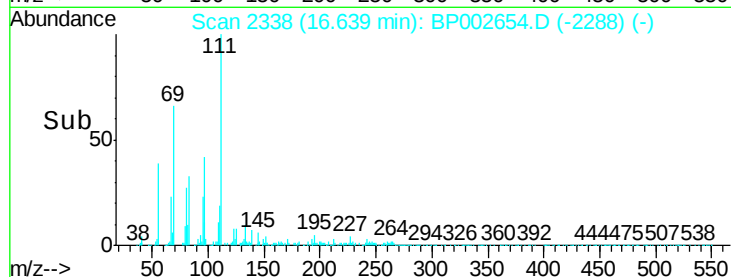
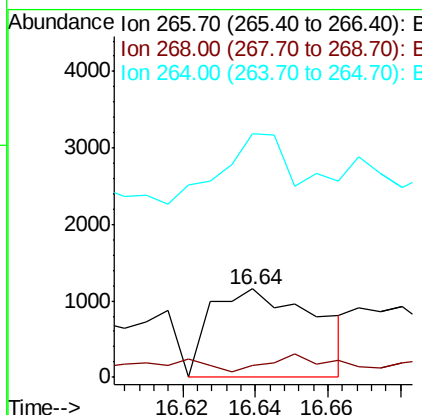
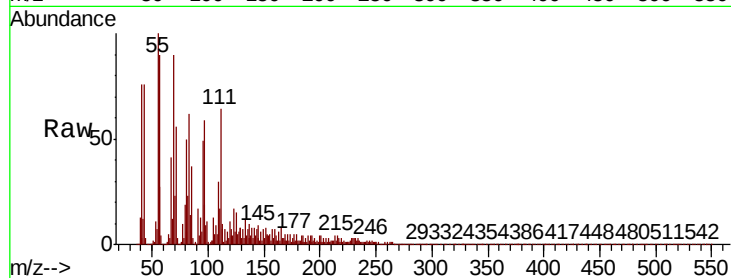




#70
 Pentachlorophenol
 Concen: 3.694 ng
 RT: 16.64 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: BP002654.D
 Acq: 07 Jul 2020 12:59

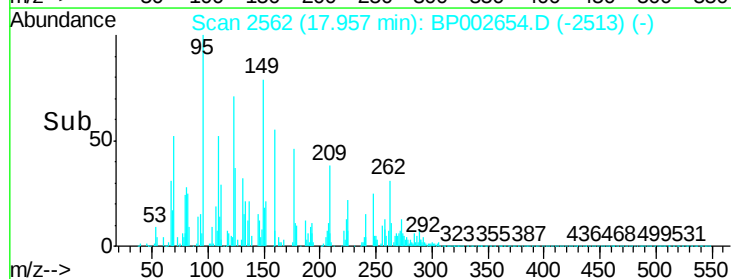
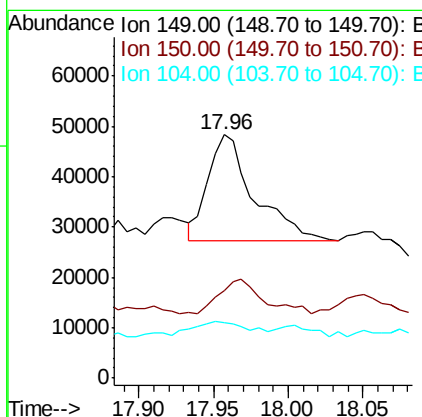
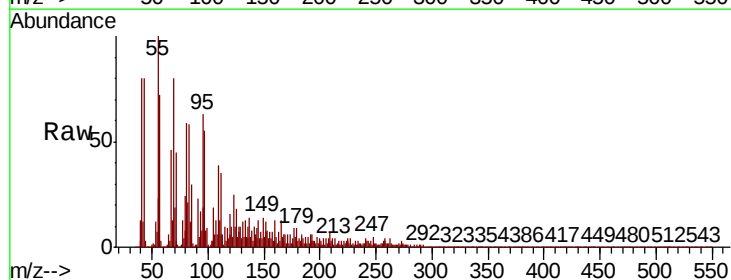
Instrument :
 BNA_P
 ClientSampleId :
 WF-COMP

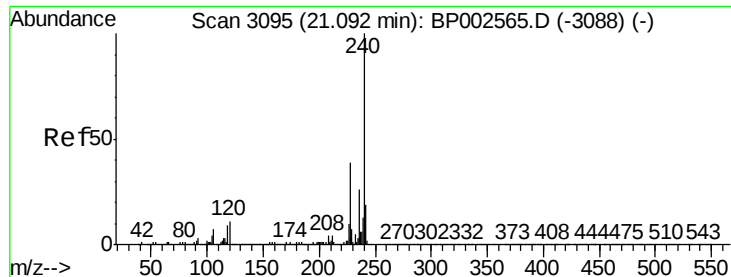
Tot Ion:266 Resp: 2332
 Ion Ratio Lower Upper
 266 100
 268 6.9 49.7 74.5#
 264 141.8 49.3 73.9#



#74
 Di-n-butylphthalate
 Concen: 2.322 ng
 RT: 17.96 min Scan# 2562
 Delta R.T. -0.01 min
 Lab File: BP002654.D
 Acq: 07 Jul 2020 12:59

Tgt Ion:149 Resp: 44926
 Ion Ratio Lower Upper
 149 100
 150 35.8 7.3 10.9#
 104 22.9 4.2 6.4#

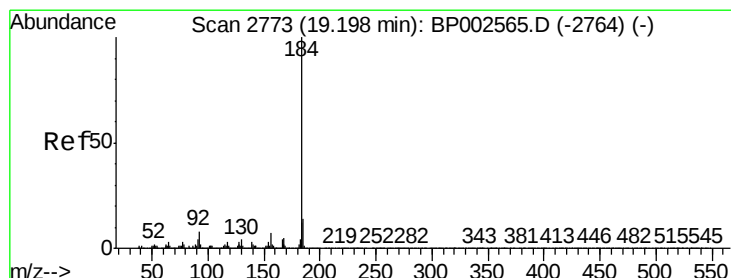
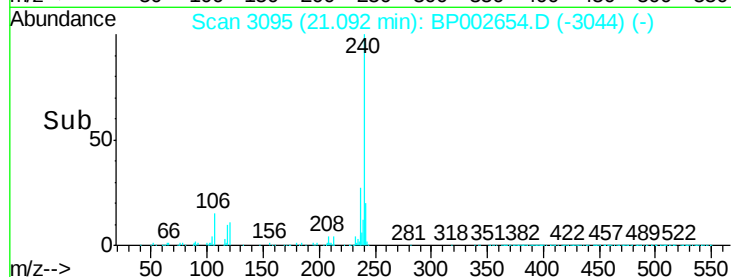
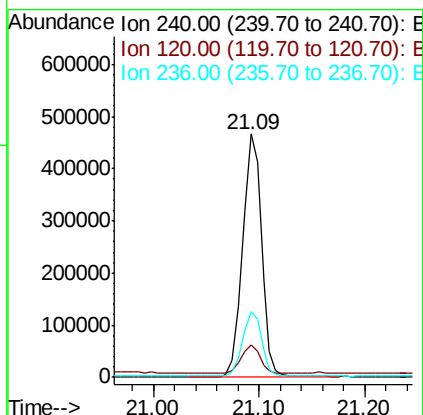
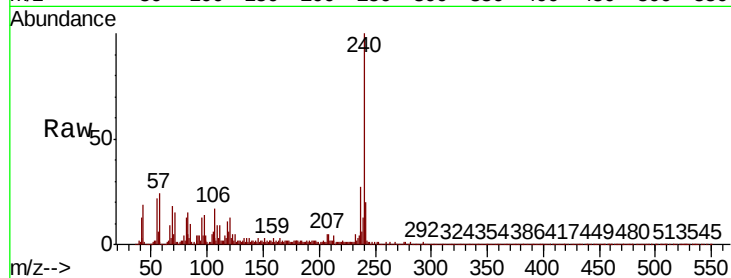




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

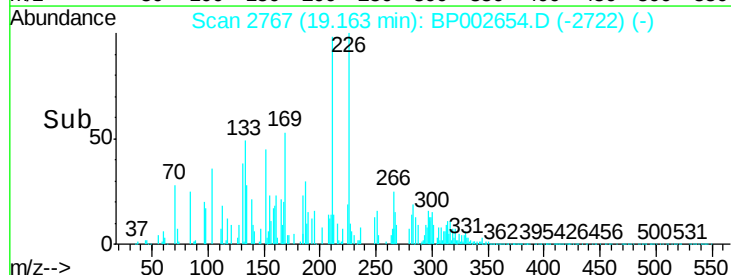
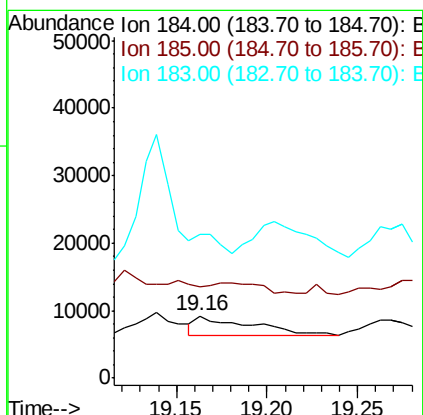
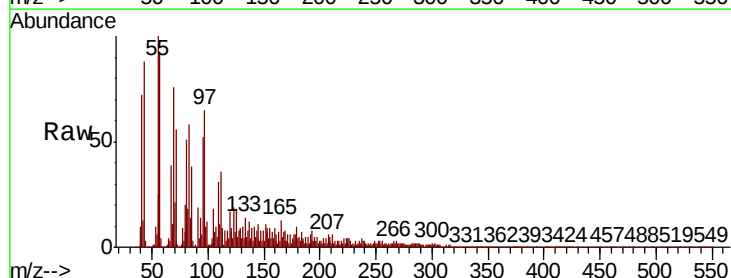
Instrument :
BNA_P
ClientSampleId :
WF-COMP

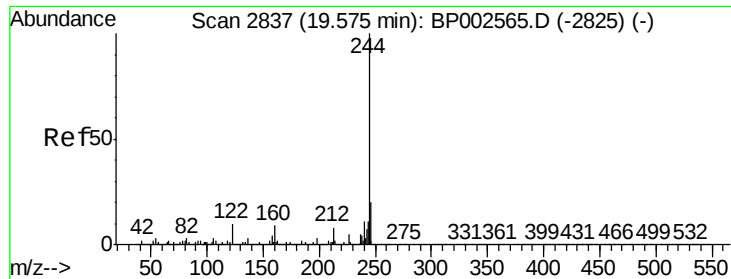
Tot Ion:240 Resp: 572224
Ion Ratio Lower Upper
240 100
120 13.3 8.6 13.0#
236 27.2 20.8 31.2



#77
Benzidine
Concen: 3.980 ng
RT: 19.16 min Scan# 2767
Delta R.T. -0.04 min
Lab File: BP002654.D
Acq: 07 Jul 2020 12:59

Tgt Ion:184 Resp: 5931
Ion Ratio Lower Upper
184 100
185 148.0 11.4 17.2#
183 231.5 9.2 13.8#





#79

Terphenyl-d14

Concen: 41.412 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

Instrument :

BNA_P

ClientSampleId :

WF-COMP

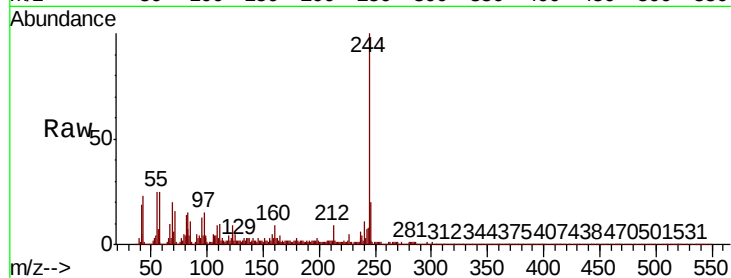
Tot Ion:244 Resp: 1097838

Ion Ratio Lower Upper

244 100

212 8.5 6.5 9.7

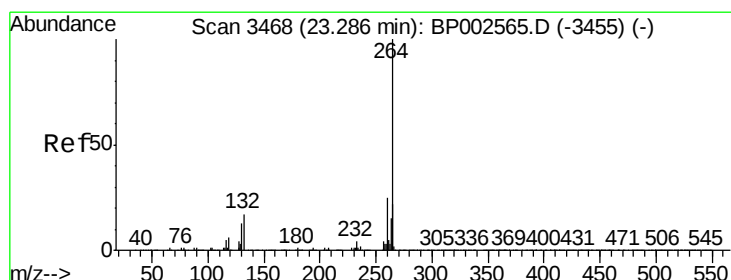
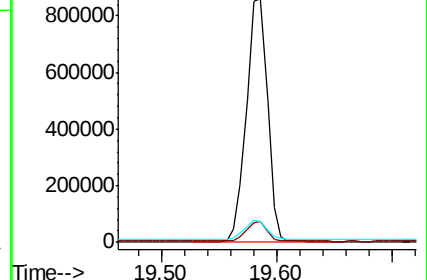
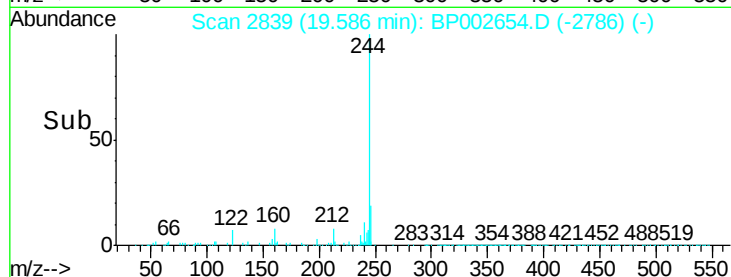
122 8.8 7.9 11.9



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.28 min Scan# 3467

Delta R.T. -0.01 min

Lab File: BP002654.D

Acq: 07 Jul 2020 12:59

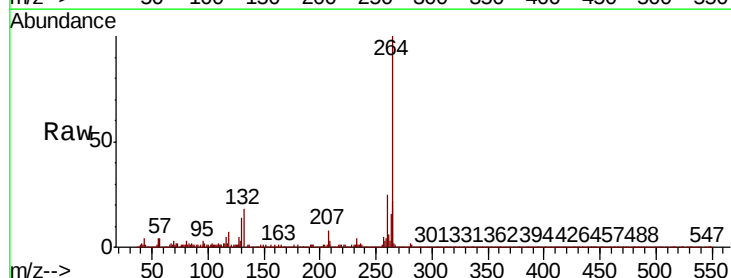
Tgt Ion:264 Resp: 845699

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

265 22.4 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

