

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070720\
 Data File : BP002663.D
 Acq On : 07 Jul 2020 18:05
 Operator : CG/JU
 Sample : L3208-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT-4743

Quant Time: Jul 08 00:52:31 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	237899	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	915337	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	538886	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	547198	20.00	ng	0.00
76) Chrysene-d12	21.09	240	938772	20.00	ng	0.00
86) Perylene-d12	23.28	264	1269456	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1193876	84.97	ng	0.00
7) Phenol-d6	6.76	99	1817695	92.68	ng	0.00
23) Nitrobenzene-d5	8.71	82	1152928	64.90	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	419065	63.94	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2741583	74.88	ng	0.00
79) Terphenyl-d14	19.57	244	1876517	43.15	ng	0.00

Target Compounds

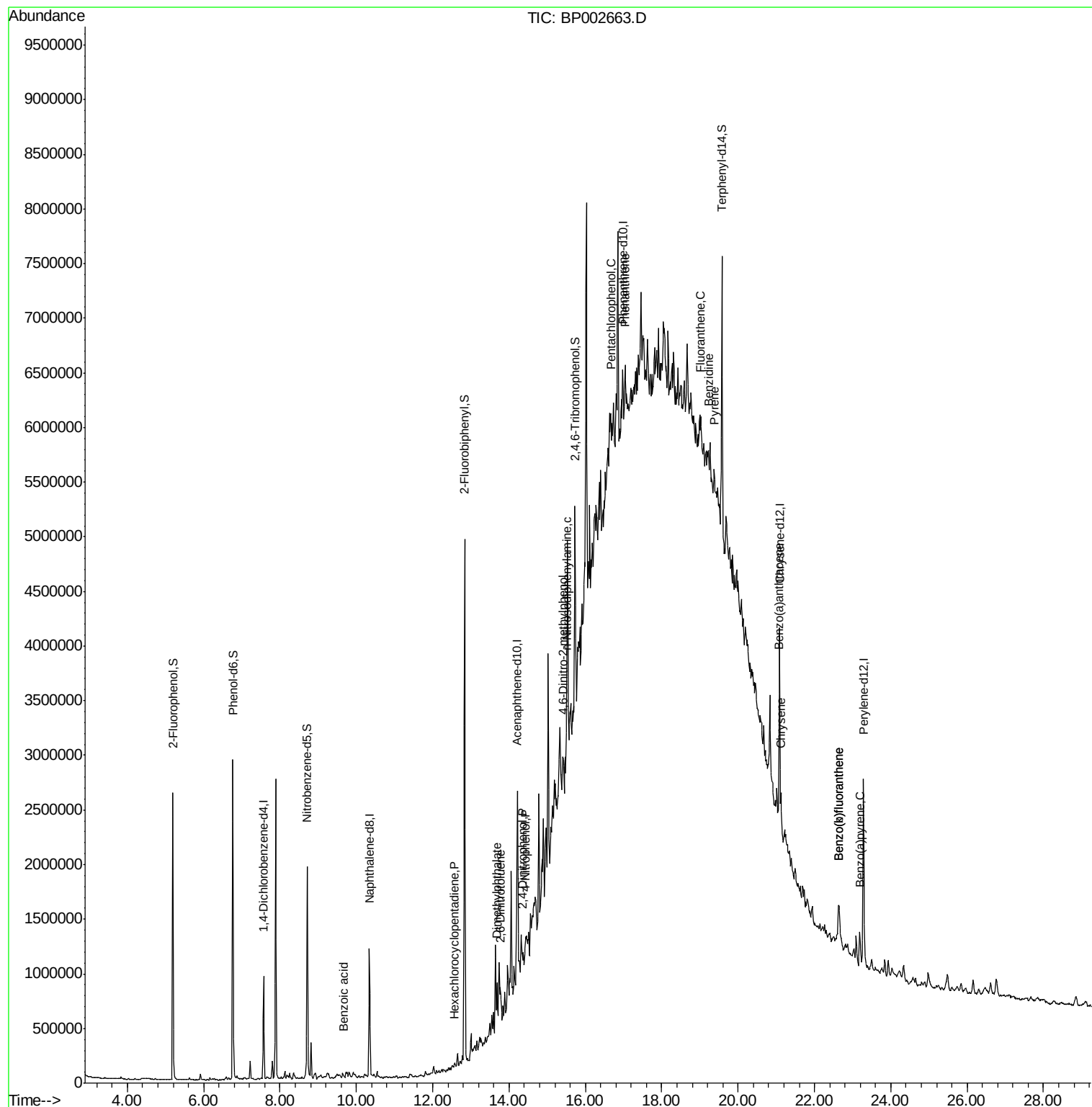
						Qvalue
9) Benzaldehyde	6.72	77	1433	Below Cal	#	87
32) Benzoic acid	9.68	122	355	8.728 ng	#	48
41) Hexachlorocyclopentadiene	12.56	237	54	4.387 ng	#	93
50) Dimethylphthalate	13.68	163	231910	5.479 ng	#	99
51) 2,6-Dinitrotoluene	13.77	165	23344	2.554 ng	#	31
54) 2,4-Dinitrophenol	14.35	184	82	6.022 ng	#	1
56) 4-Nitrophenol	14.44	139	4905	3.041 ng	#	1
65) 4,6-Dinitro-2-methylphenol	15.42	198	3267	3.585 ng	#	1
66) n-Nitrosodiphenylamine	15.50	169	33947	2.125 ng	#	50
70) Pentachlorophenol	16.66	266	1048	2.931 ng	#	1
71) Phenanthrene	17.03	178	133179	4.524 ng	#	44
75) Fluoranthene	19.02	202	180447	5.063 ng	#	85
77) Benzidine	19.23	184	1173	3.783 ng	#	1
78) Pyrene	19.37	202	185422	2.902 ng	#	90
81) Benzo(a)anthracene	21.07	228	168833	2.751 ng	#	97
83) Chrysene	21.13	228	192945	3.278 ng	#	95
88) Benzo(b)fluoranthene	22.63	252	317679	3.922 ng	#	92
89) Benzo(k)fluoranthene	22.63	252	317679	4.204 ng	#	91
90) Benzo(a)pyrene	23.19	252	196606	2.645 ng	#	91

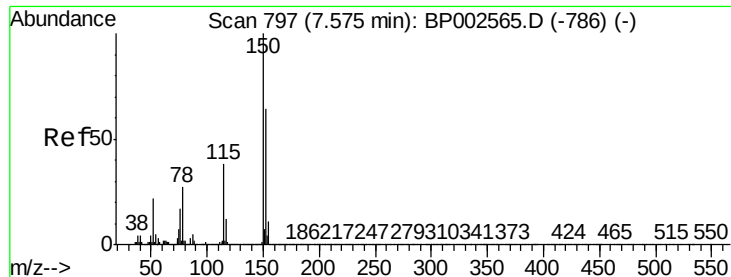
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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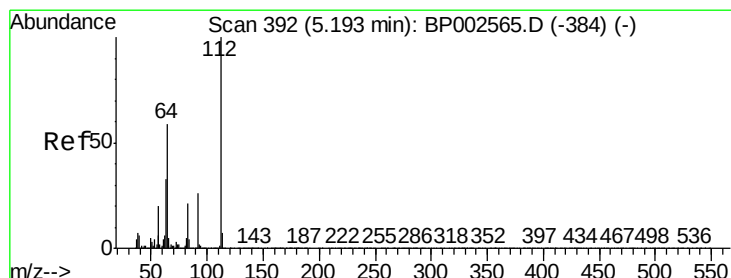
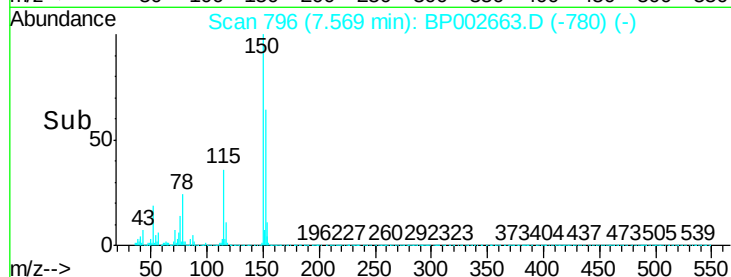
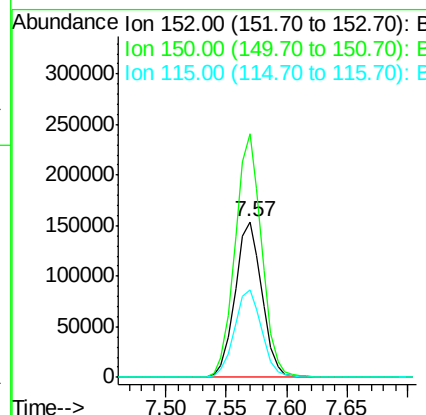
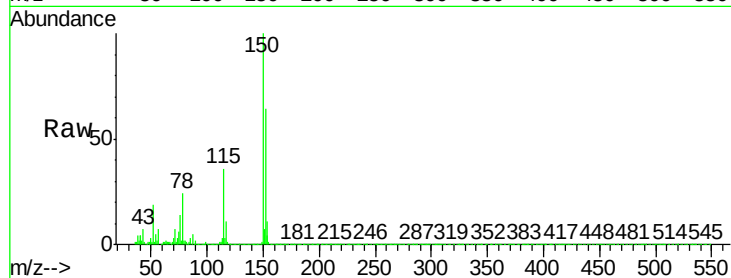


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Instrument :
BNA_P
ClientSampleId :
RT-4743

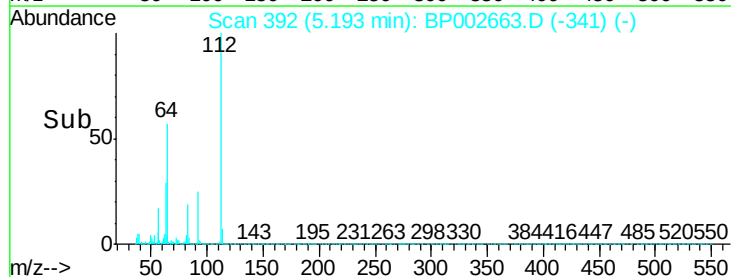
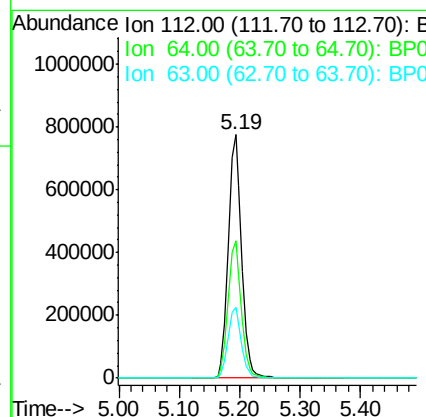
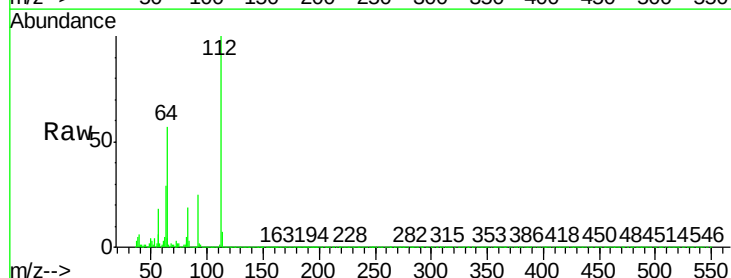
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.2	186.2
115	56.0	47.1	70.7

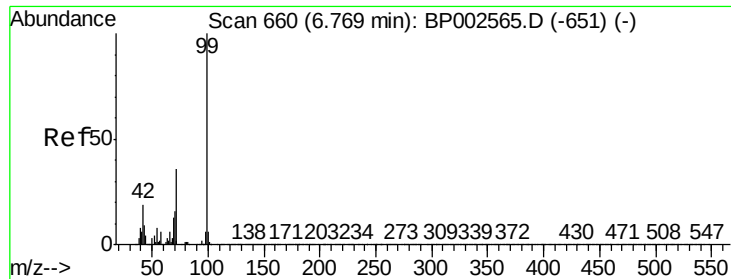


#5

2-Fluorophenol
Concen: 84.967 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.0	70.6
63	29.2	26.1	39.1





#7

Phenol-d6

Concen: 92.685 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

Instrument :

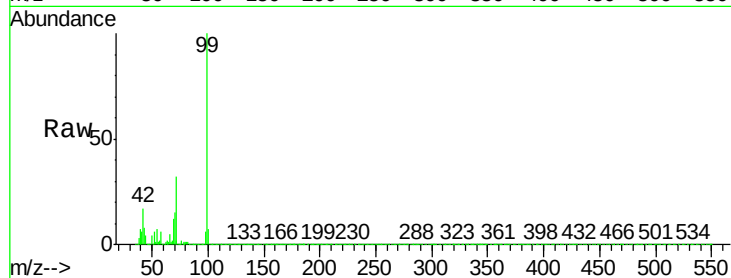
BNA_P

ClientSampleId :

RT-4743

Tot Ion: 99 Resp: 1817695

Ion	Ratio	Lower	Upper
99	100		
42	16.9	15.5	23.3
71	31.7	28.9	43.3

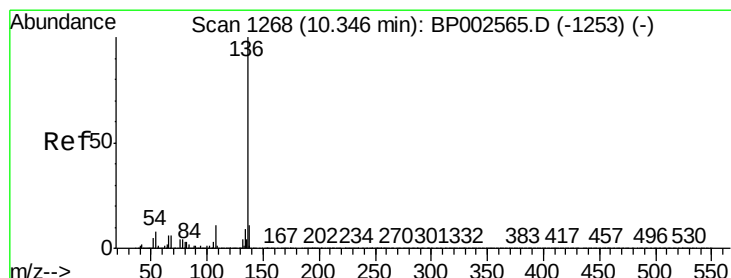
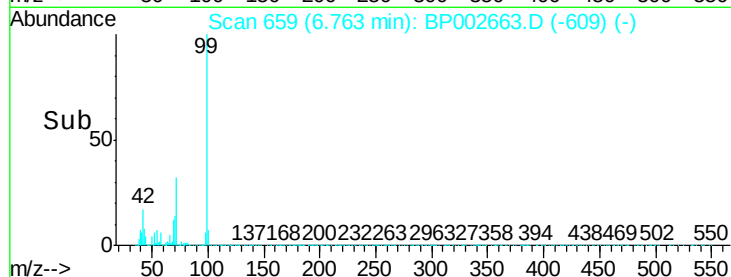


Abundance

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: 10.34 min Scan# 1267

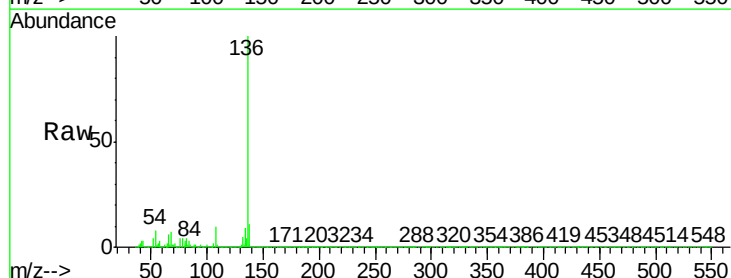
Delta R.T. -0.01 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

Tgt Ion: 136 Resp: 915337

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	6.4	9.6
68	6.9	5.1	7.7



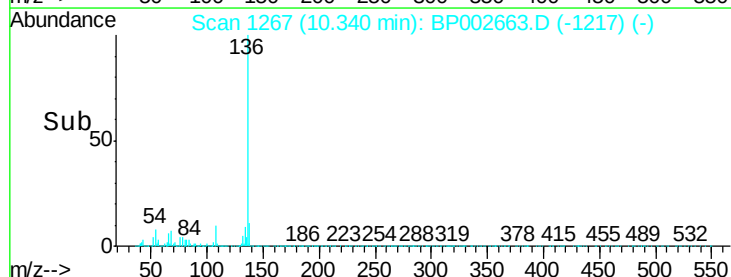
Abundance

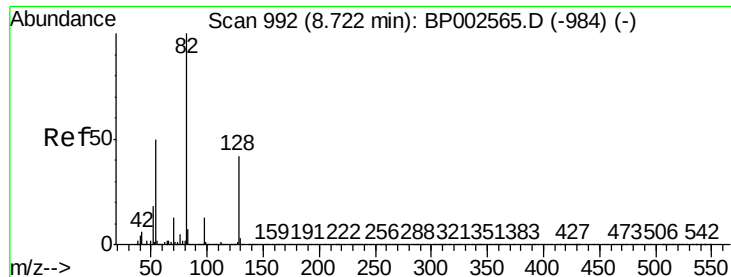
Ion 136.00 (135.70 to 136.70): E

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

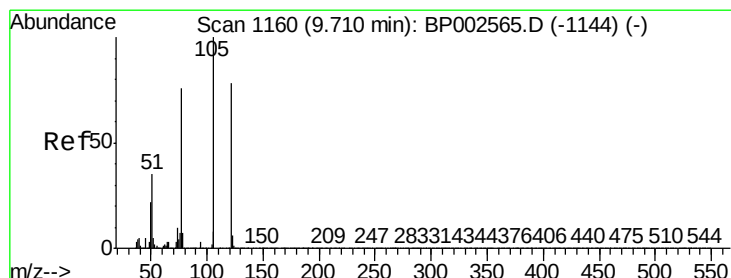
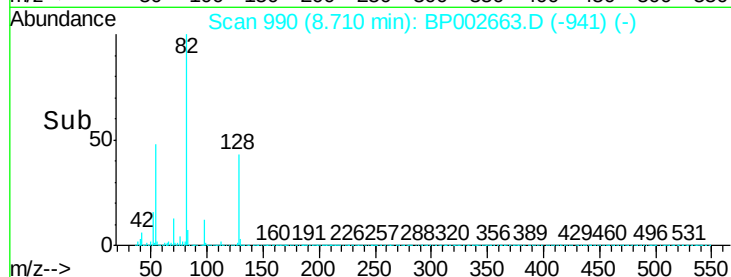
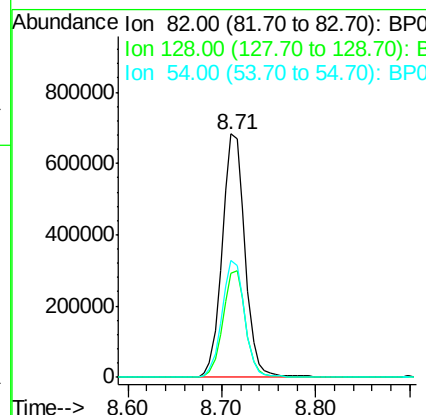
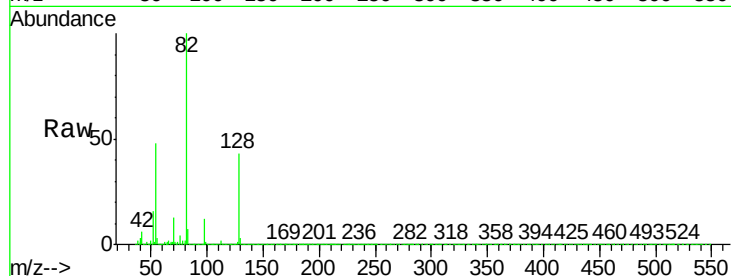




#23
 Nitrobenzene-d5
 Concen: 64.900 ng
 RT: 8.71 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BP002663.D
 Acq: 07 Jul 2020 18:05

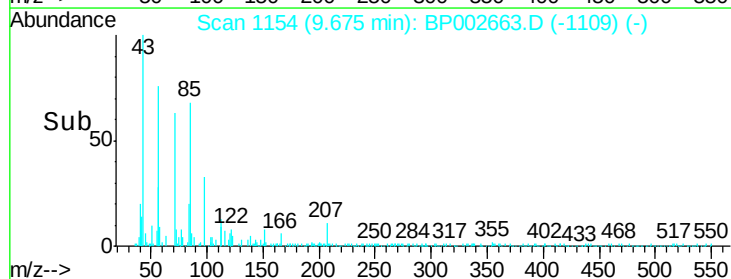
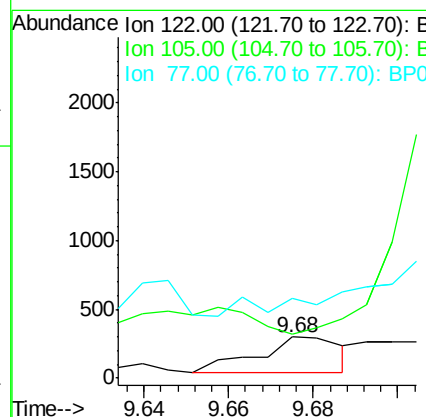
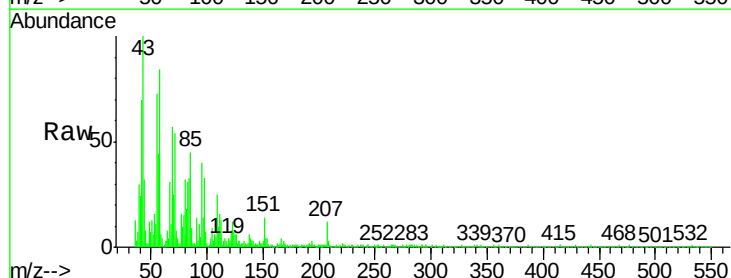
Instrument :
 BNA_P
 ClientSampleId :
 RT-4743

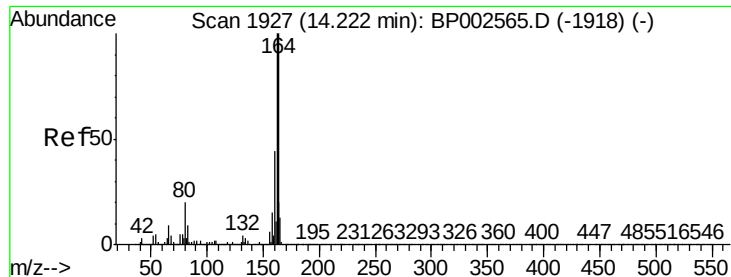
Tot Ion: 82 Resp: 1152928
 Ion Ratio Lower Upper
 82 100
 128 42.8 33.4 50.2
 54 48.1 40.1 60.1



#32
 Benzoic acid
 Concen: 8.728 ng
 RT: 9.68 min Scan# 1154
 Delta R.T. -0.03 min
 Lab File: BP002663.D
 Acq: 07 Jul 2020 18:05

Tgt Ion: 122 Resp: 355
 Ion Ratio Lower Upper
 122 100
 105 107.0 106.6 146.6
 77 193.3 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: BP002663.D

Acq: 07 Jul 2020 18:05

Instrument :

BNA_P

ClientSampleId :

RT-4743

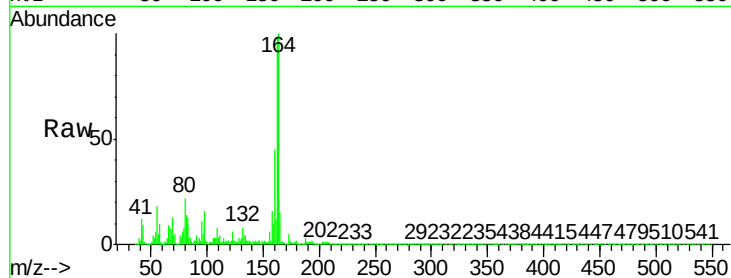
Tot Ion:164 Resp: 538886

Ion Ratio Lower Upper

164 100

162 98.0 80.3 120.5

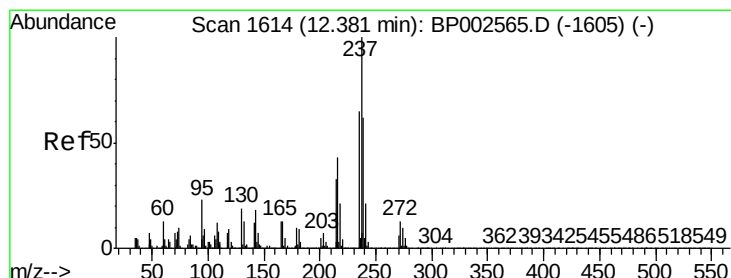
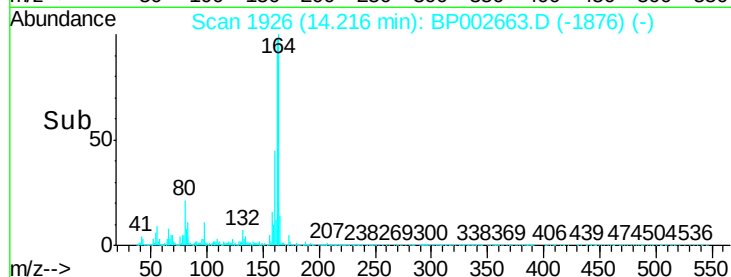
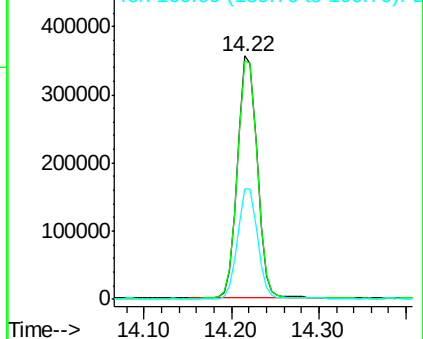
160 45.3 35.0 52.6



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: 4.387 ng

RT: 12.56 min Scan# 1644

Delta R.T. 0.18 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

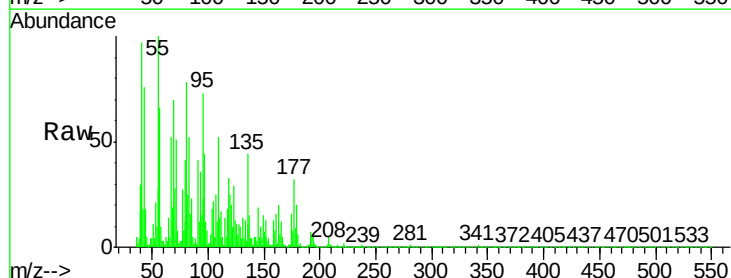
Tgt Ion:237 Resp: 54

Ion Ratio Lower Upper

237 100

235 62.3 45.4 85.4

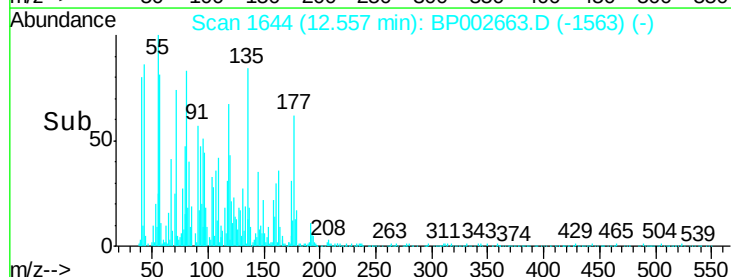
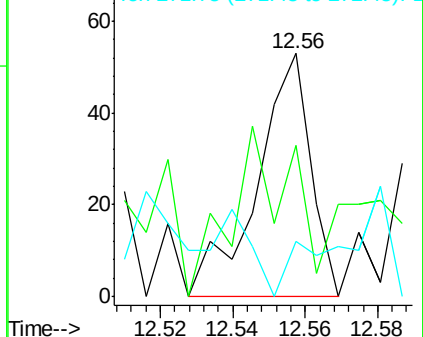
272 22.6 0.0 32.6

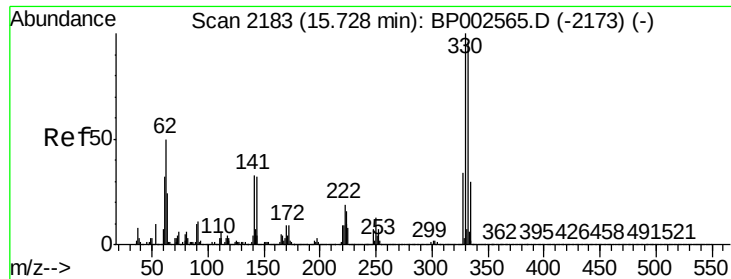


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

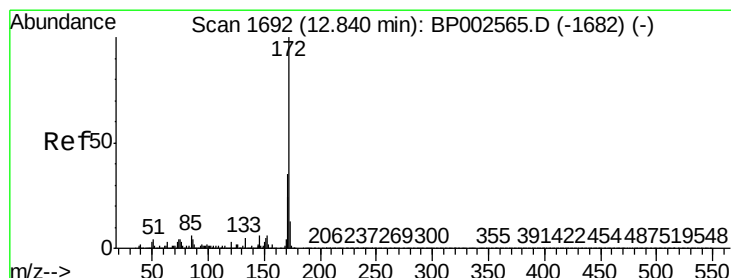
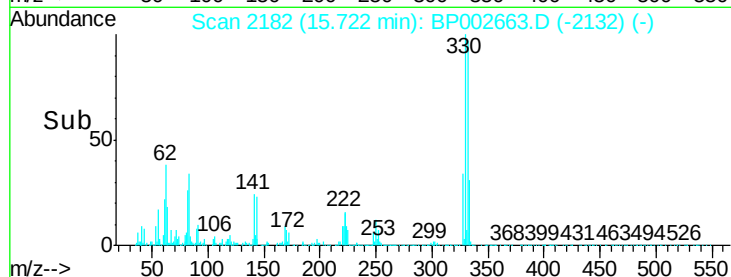
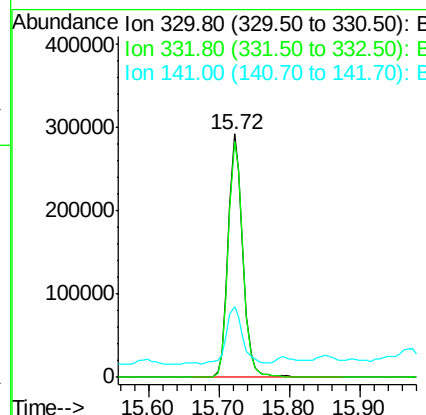
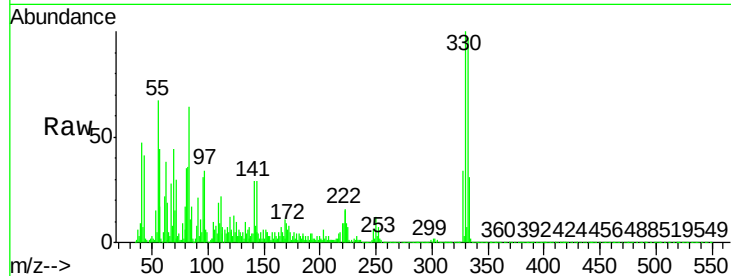




#42
 2,4,6-Tribromophenol
 Concen: 63.937 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002663.D
 Acq: 07 Jul 2020 18:05

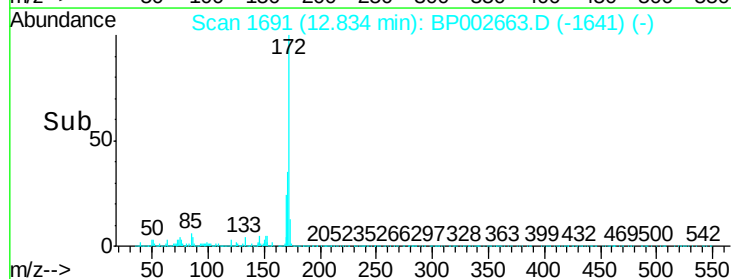
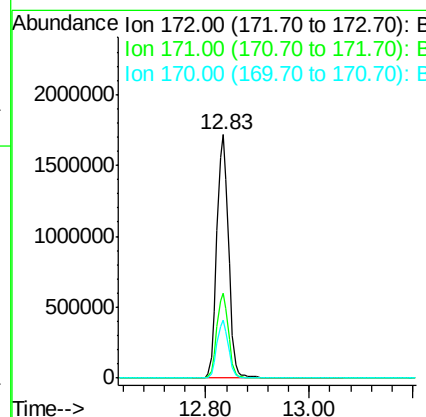
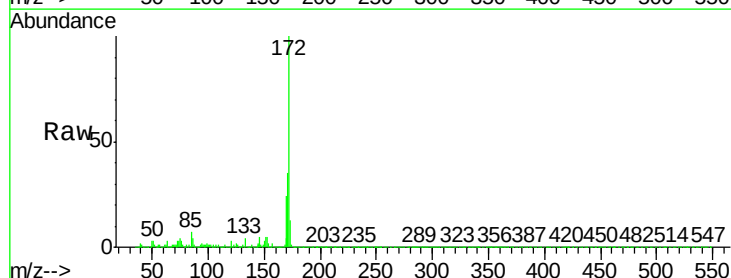
Instrument :
 BNA_P
 ClientSampleId :
 RT-4743

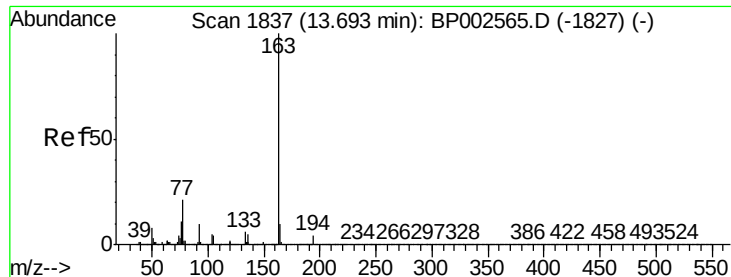
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.7	116.5
141	25.3	29.0	43.6#



#45
 2-Fluorobiphenyl
 Concen: 74.880 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002663.D
 Acq: 07 Jul 2020 18:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	23.6	19.0	28.4





#50

Dimethylphthalate

Concen: 5.479 ng

RT: 13.68 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

Instrument :

BNA_P

ClientSampleId :

RT-4743

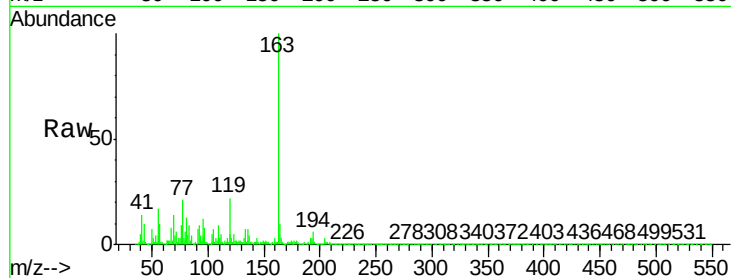
Tot Ion:163 Resp: 231910

Ion Ratio Lower Upper

163 100

194 5.5 3.4 5.0#

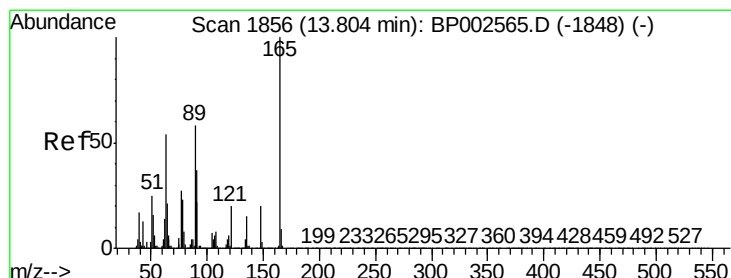
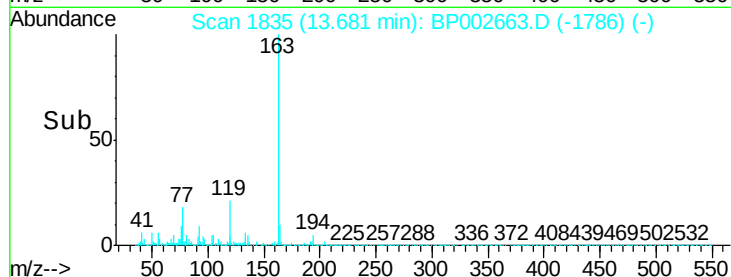
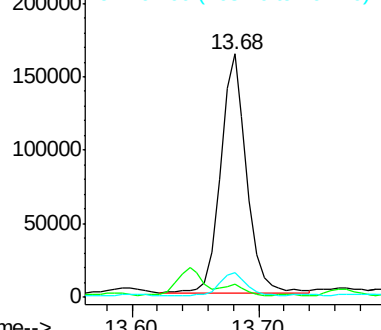
164 10.4 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 2.554 ng

RT: 13.77 min Scan# 1851

Delta R.T. -0.03 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

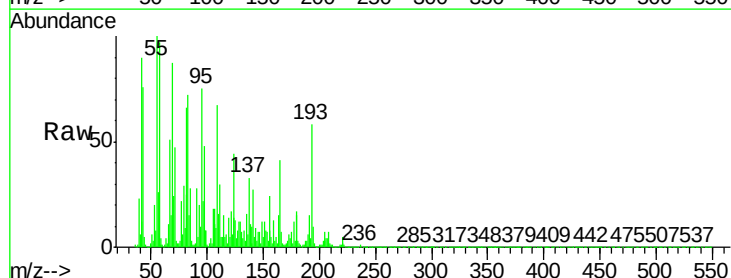
Tgt Ion:165 Resp: 23344

Ion Ratio Lower Upper

165 100

63 9.0 46.6 69.8#

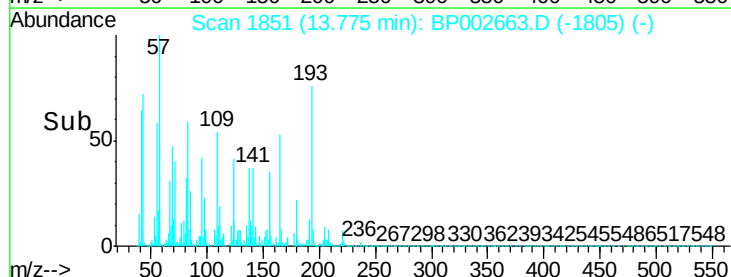
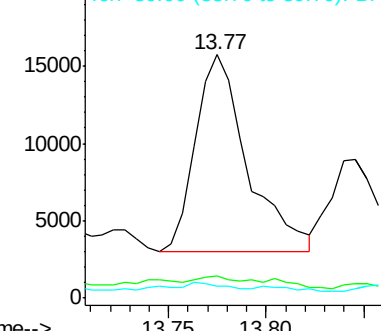
89 4.7 46.3 69.5#

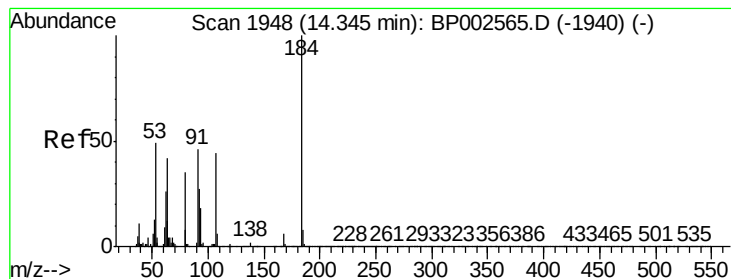


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0





#54

2,4-Dinitrophenol

Concen: 6.022 ng

RT: 14.35 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

Instrument :

BNA_P

ClientSampleId :

RT-4743

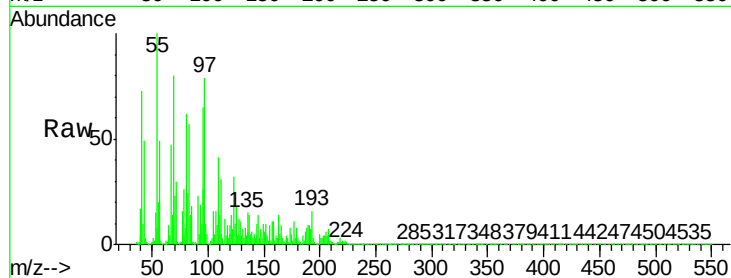
Tot Ion:184 Resp: 82

Ion Ratio Lower Upper

184 100

63 641.5 56.2 84.2#

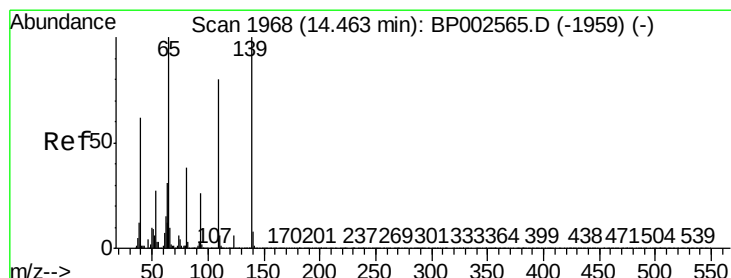
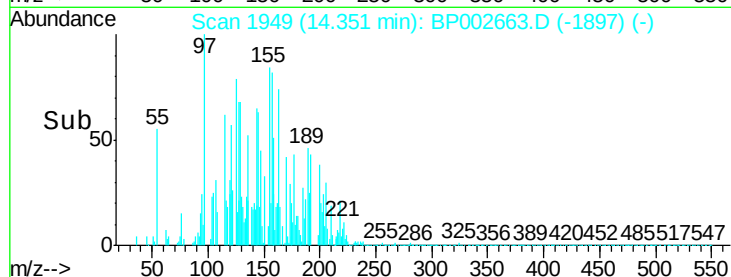
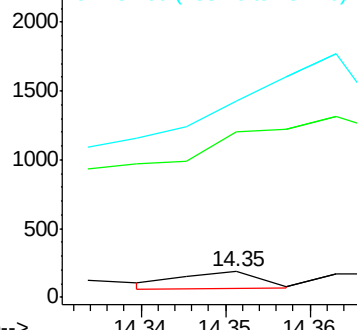
154 758.5 50.9 76.3#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E



#56

4-Nitrophenol

Concen: 3.041 ng

RT: 14.44 min Scan# 1964

Delta R.T. -0.02 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

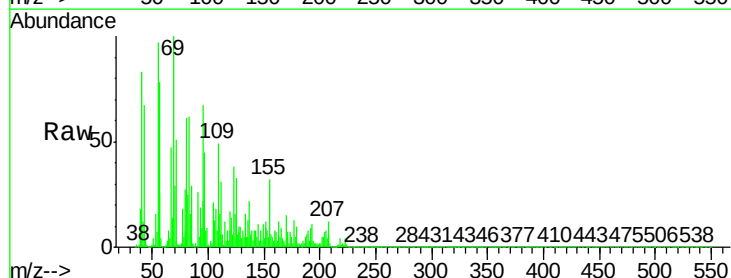
Tgt Ion:139 Resp: 4905

Ion Ratio Lower Upper

139 100

109 627.0 60.1 100.1#

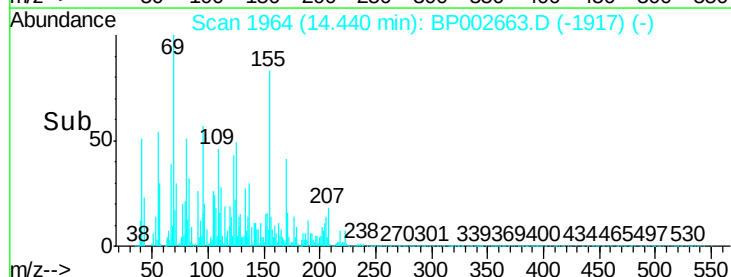
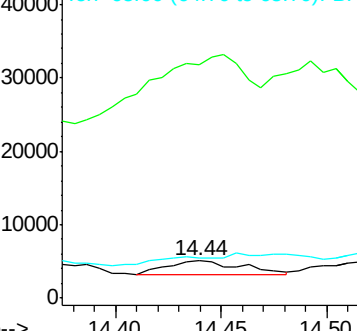
65 108.0 80.3 120.3

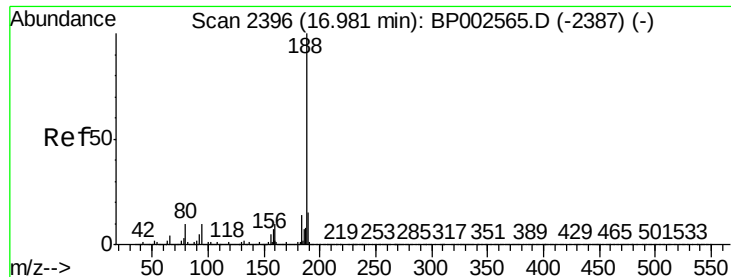


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BP0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

Instrument :

BNA_P

ClientSampled :

RT-4743

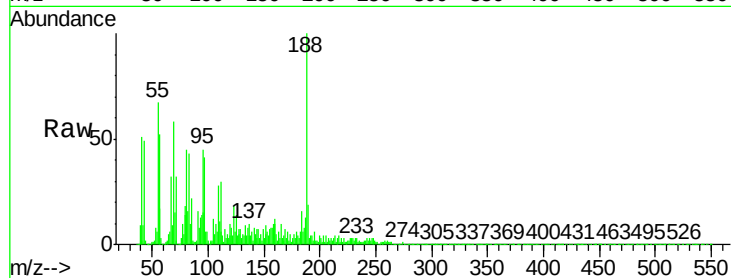
Tot Ion:188 Resp: 547198

Ion Ratio Lower Upper

188 100

94 13.7 7.8 11.6#

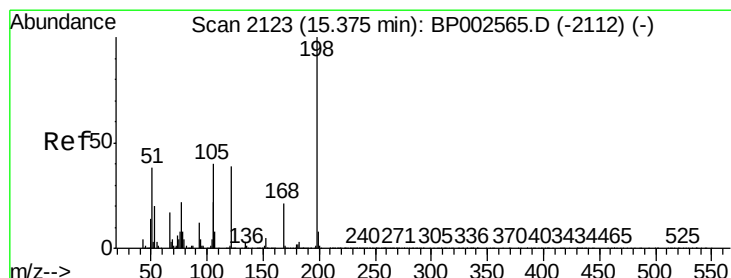
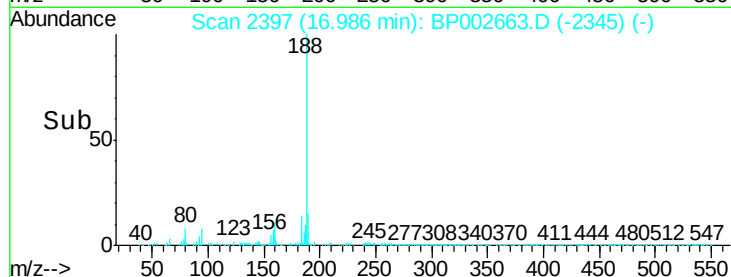
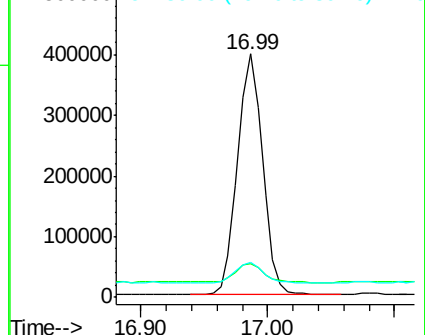
80 14.2 8.2 12.4#



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: 3.585 ng

RT: 15.42 min Scan# 2130

Delta R.T. 0.04 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

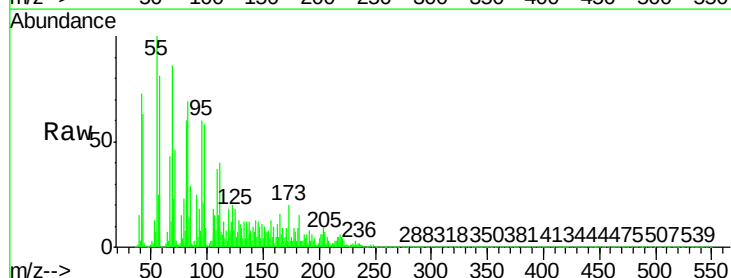
Tgt Ion:198 Resp: 3267

Ion Ratio Lower Upper

198 100

51 234.0 24.2 64.2#

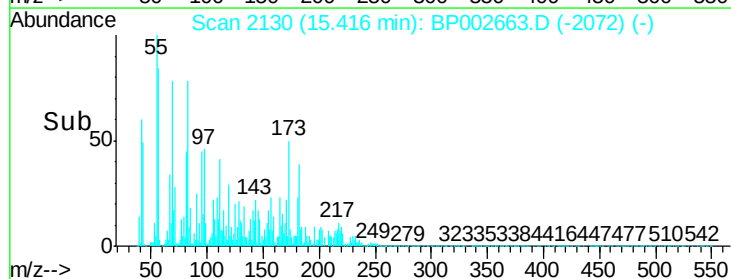
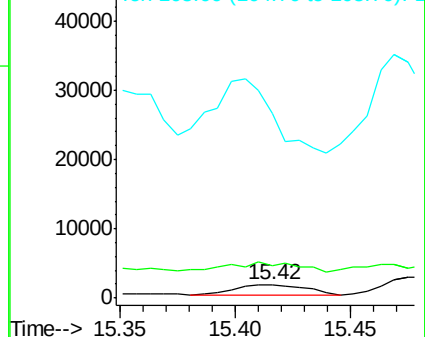
105 1355.4 20.7 60.7#

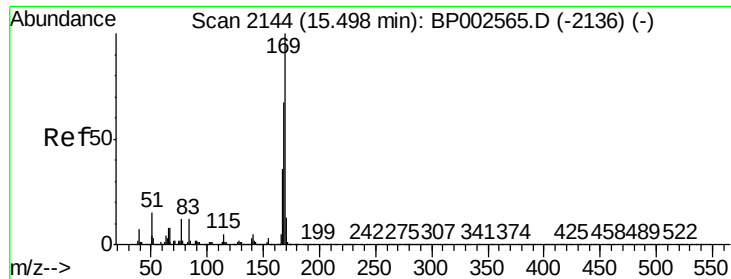


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

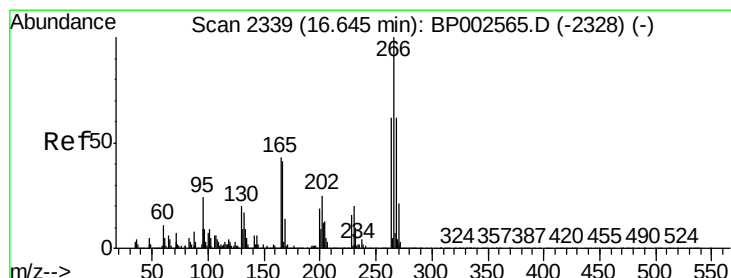
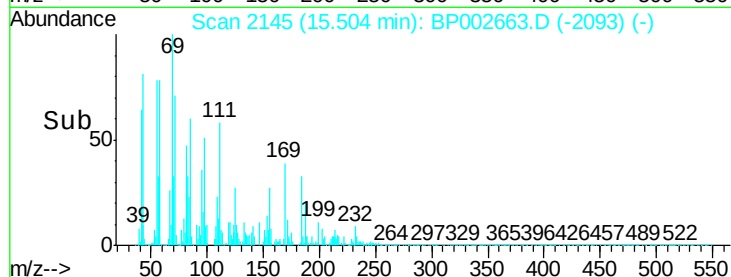
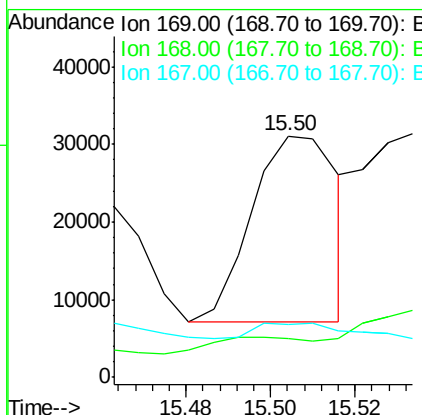
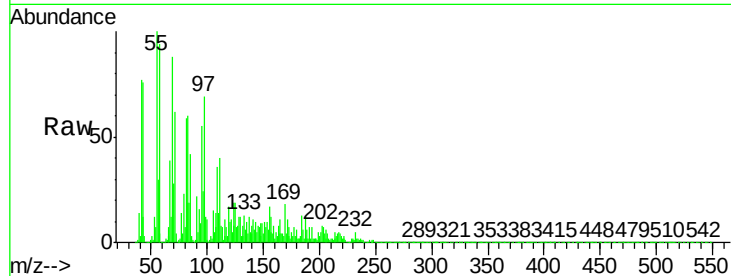




#66
 n-Nitrosodiphenylamine
 Concen: 2.125 ng
 RT: 15.50 min Scan# 2145
 Delta R.T. 0.01 min
 Lab File: BP002663.D
 Acq: 07 Jul 2020 18:05

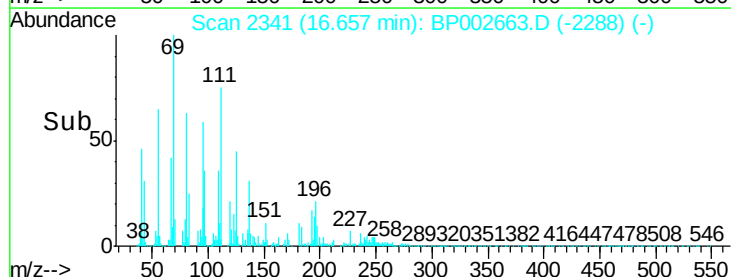
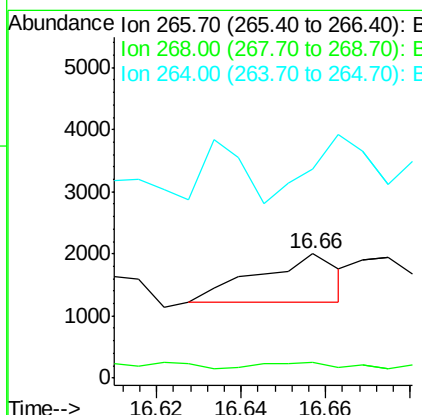
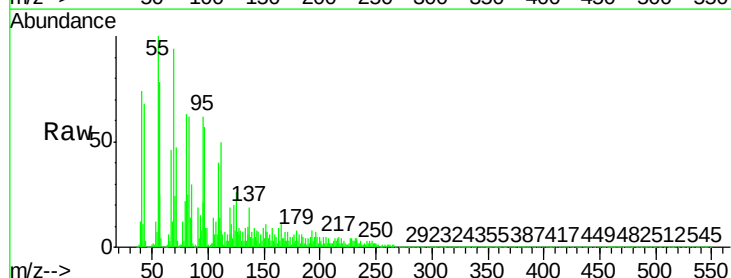
Instrument :
 BNA_P
 ClientSampleId :
 RT-4743

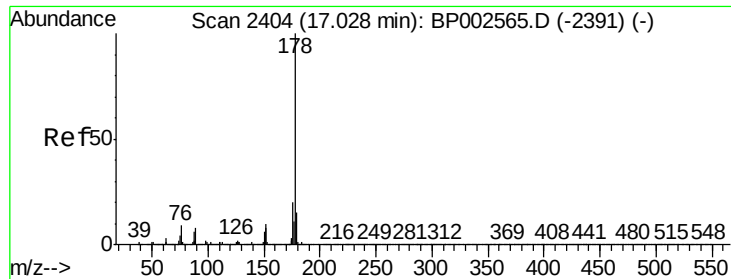
Tot Ion:169 Resp: 33947
 Ion Ratio Lower Upper
 169 100
 168 15.9 53.5 80.3#
 167 21.9 29.1 43.7#



#70
 Pentachlorophenol
 Concen: 2.931 ng
 RT: 16.66 min Scan# 2341
 Delta R.T. 0.01 min
 Lab File: BP002663.D
 Acq: 07 Jul 2020 18:05

Tgt Ion:266 Resp: 1048
 Ion Ratio Lower Upper
 266 100
 268 12.9 49.7 74.5#
 264 168.7 49.3 73.9#





#71

Phenanthrene

Concen: 4.524 ng

RT: 17.03 min Scan# 2404

Delta R.T. -0.00 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

Instrument :

BNA_P

ClientSampleId :

RT-4743

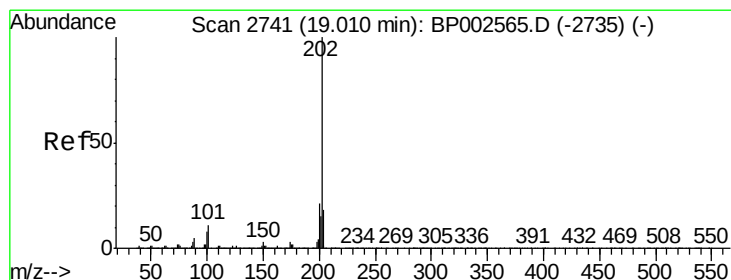
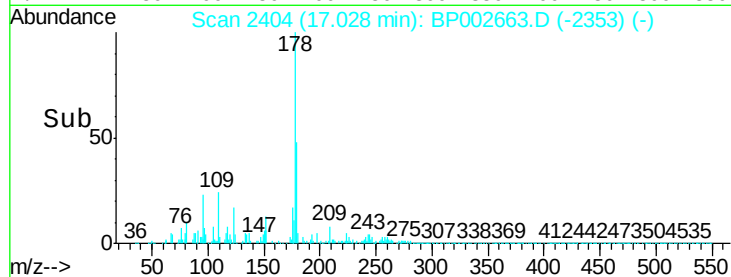
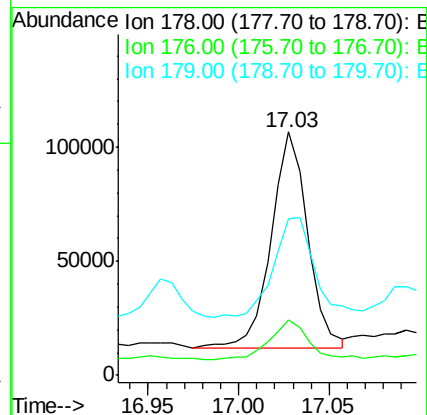
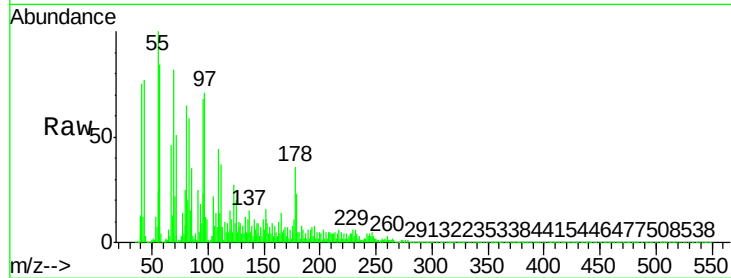
Tot Ion:178 Resp: 133179

Ion Ratio Lower Upper

178 100

176 23.0 15.6 23.4

179 64.4 12.1 18.1#



#75

Fluoranthene

Concen: 5.063 ng

RT: 19.02 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

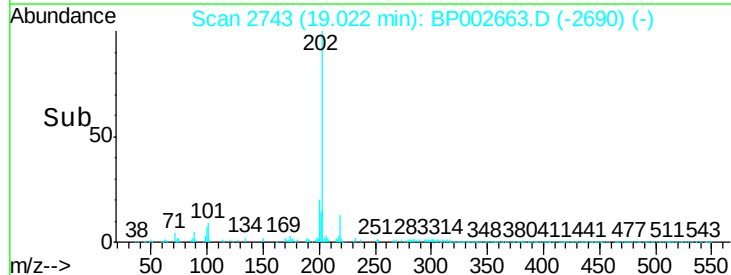
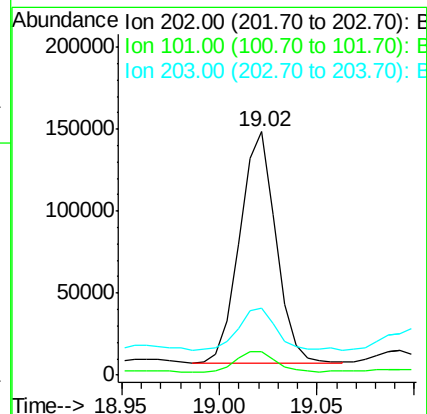
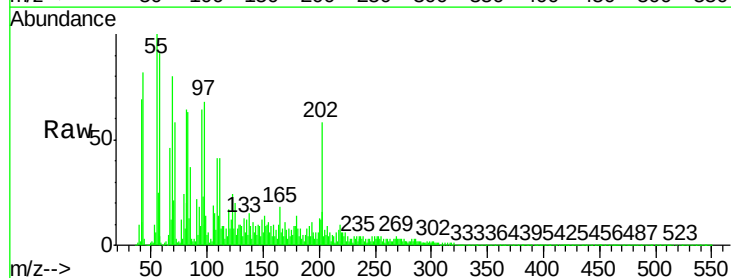
Tgt Ion:202 Resp: 180447

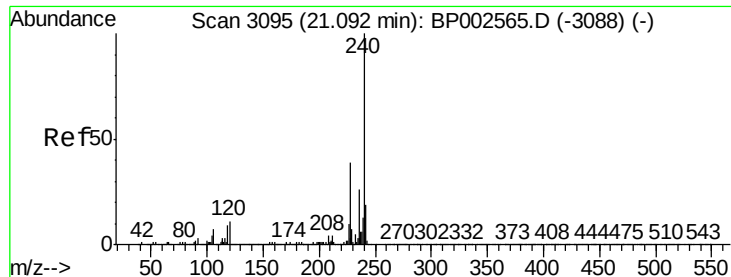
Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.6

203 27.4 0.0 37.7

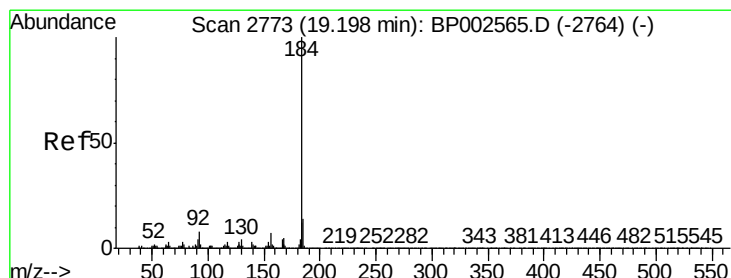
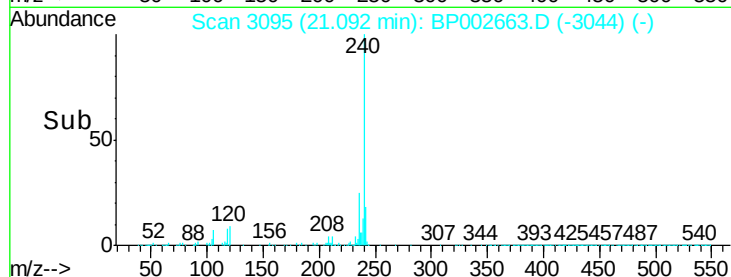
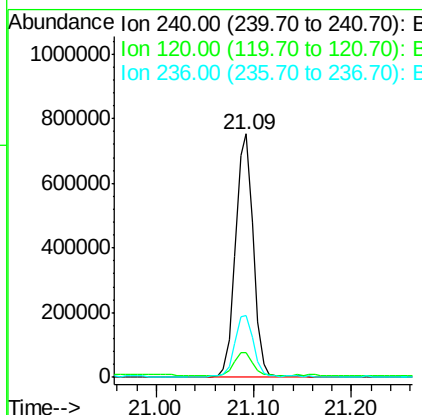
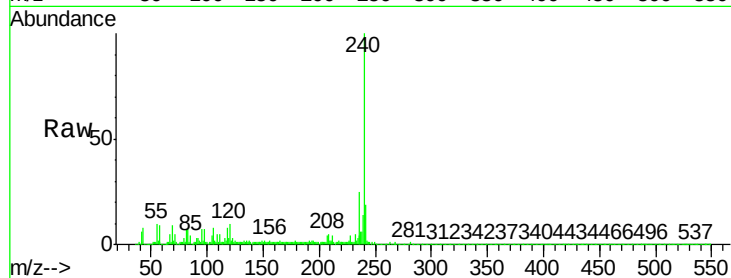




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

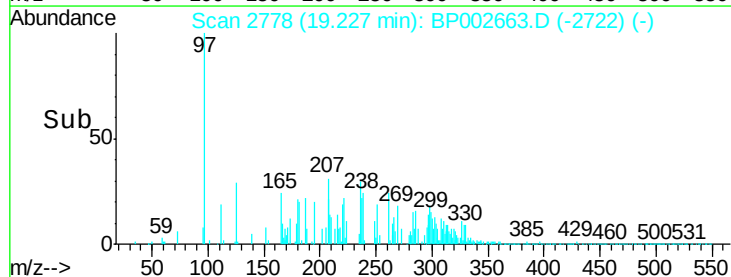
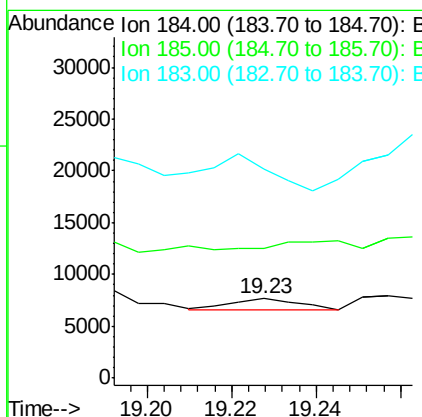
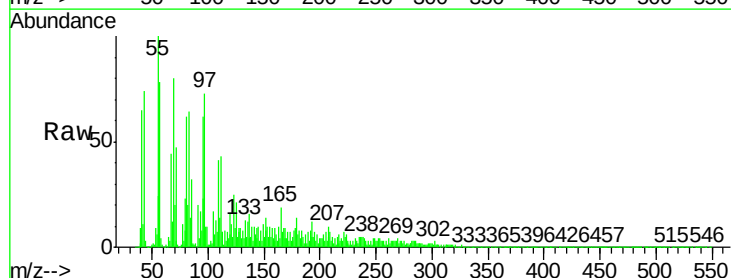
Instrument :
BNA_P
ClientSampleId :
RT-4743

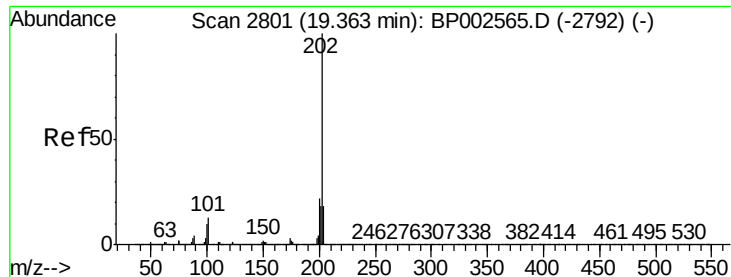
Tot Ion:240 Resp: 938772
Ion Ratio Lower Upper
240 100
120 10.0 8.6 13.0
236 25.4 20.8 31.2



#77
Benzidine
Concen: 3.783 ng
RT: 19.23 min Scan# 2778
Delta R.T. 0.03 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Tgt Ion:184 Resp: 1173
Ion Ratio Lower Upper
184 100
185 163.5 11.4 17.2#
183 264.4 9.2 13.8#





#78

Pvrene

Concen: 2.902 ng

RT: 19.37 min Scan# 2802

Delta R.T. 0.01 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

Instrument :

BNA_P

ClientSampleId :

RT-4743

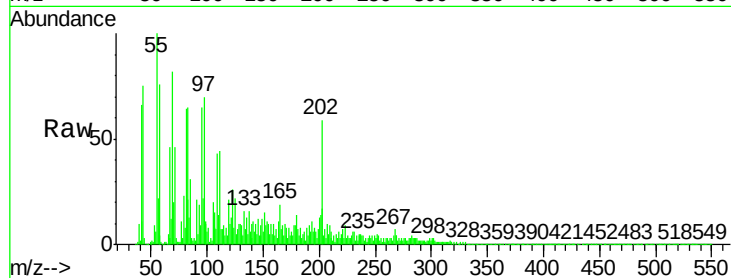
Tot Ion:202 Resp: 185422

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

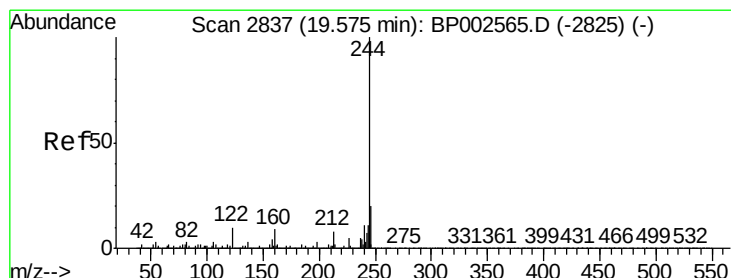
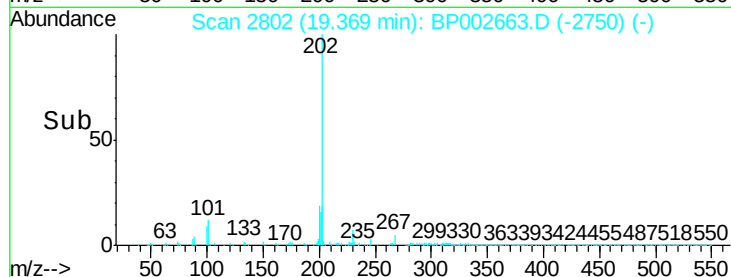
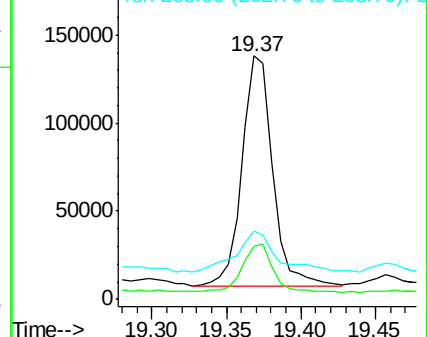
203 27.9 14.4 21.6#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 43.146 ng

RT: 19.57 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BP002663.D

Acq: 07 Jul 2020 18:05

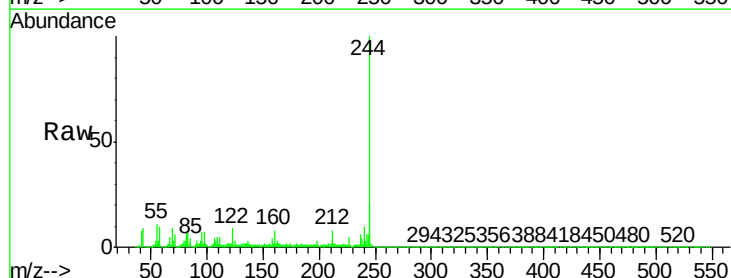
Tgt Ion:244 Resp: 1876517

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

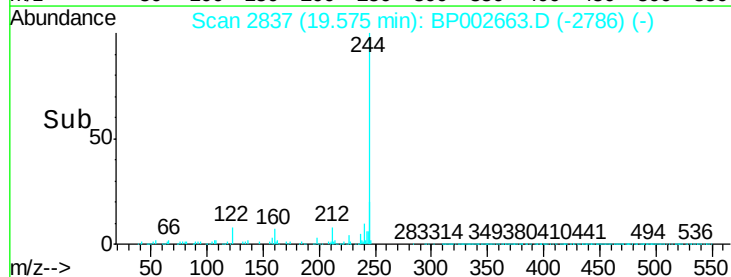
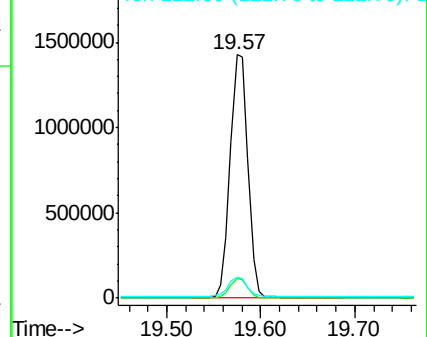
122 8.8 7.9 11.9

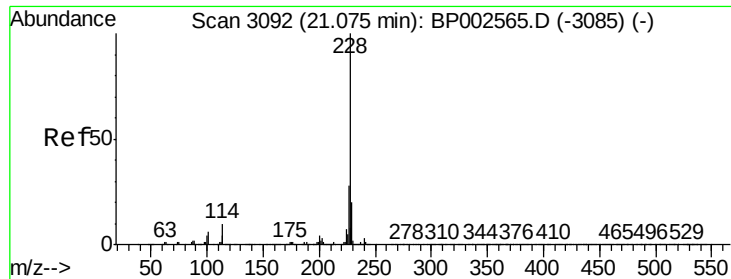


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

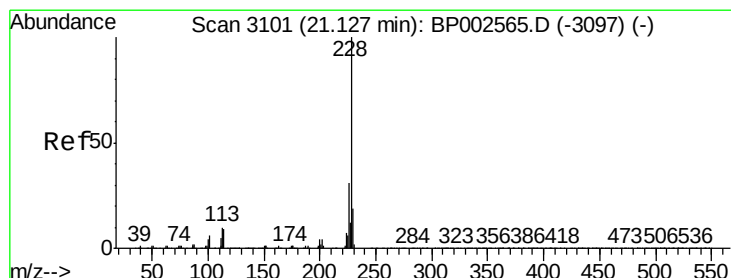
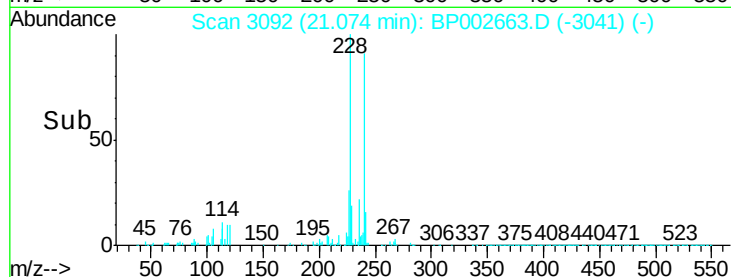
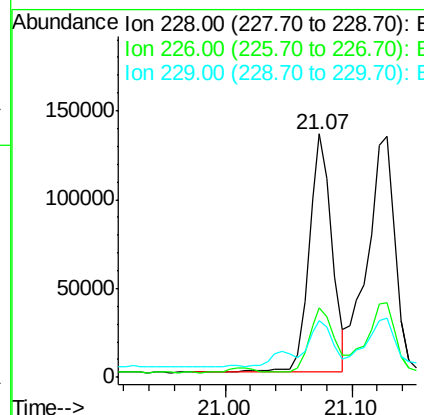
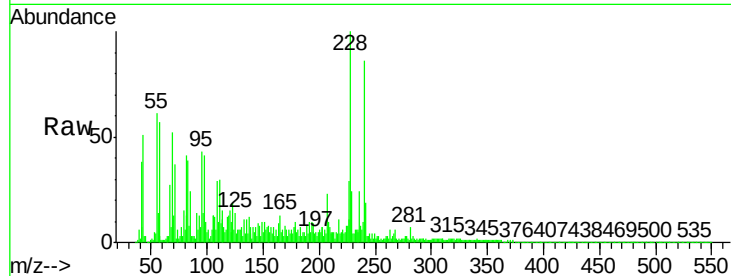




#81
Benzo(a)anthracene
Concen: 2.751 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.00 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

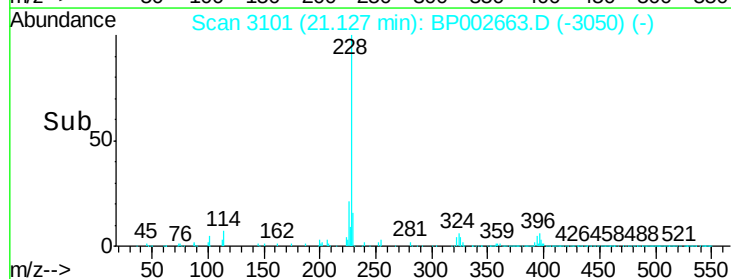
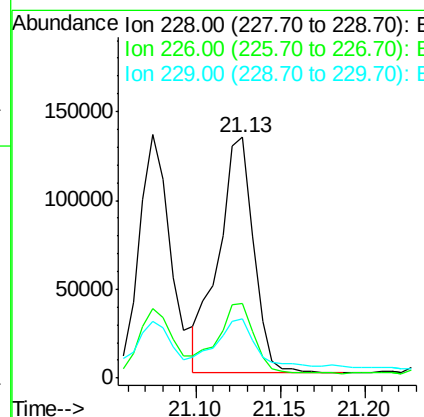
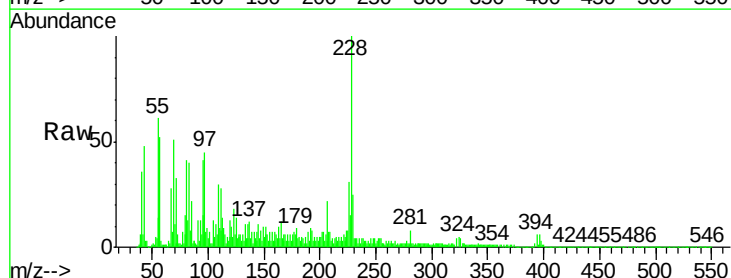
Instrument :
BNA_P
ClientSampleId :
RT-4743

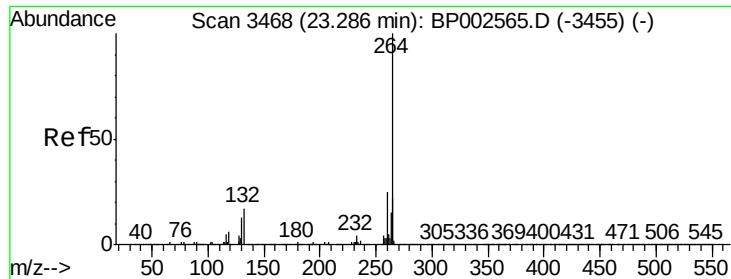
Tot Ion:228 Resp: 168833
Ion Ratio Lower Upper
228 100
226 28.7 22.5 33.7
229 23.5 16.4 24.6



#83
Chrysene
Concen: 3.278 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Tgt Ion:228 Resp: 192945
Ion Ratio Lower Upper
228 100
226 30.8 24.6 37.0
229 24.8 15.6 23.4#



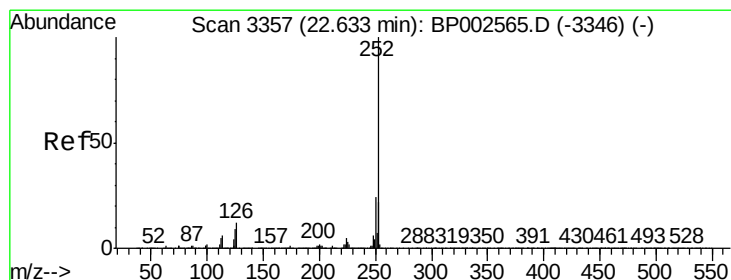
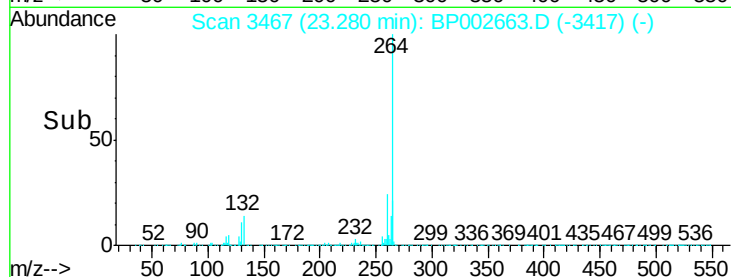
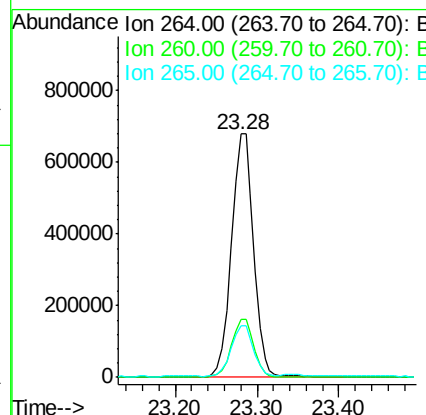
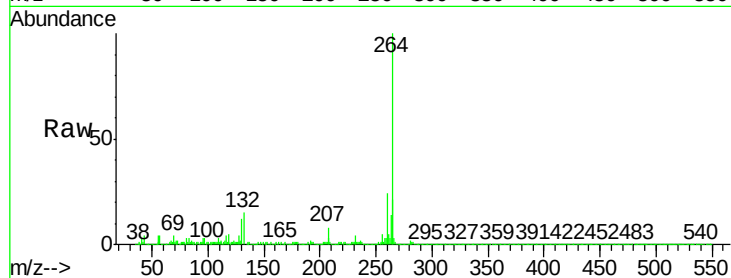


#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. -0.01 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Instrument :
BNA_P
ClientSampleId :
RT-4743

Tot Ion:264 Resp: 1269456

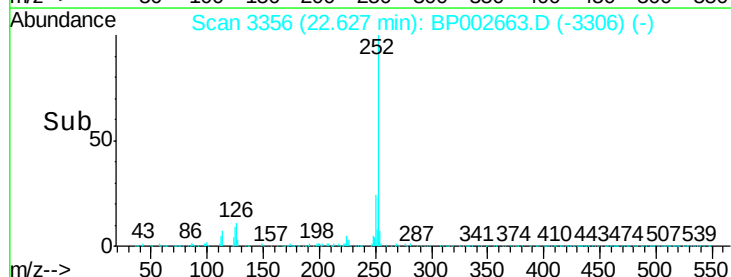
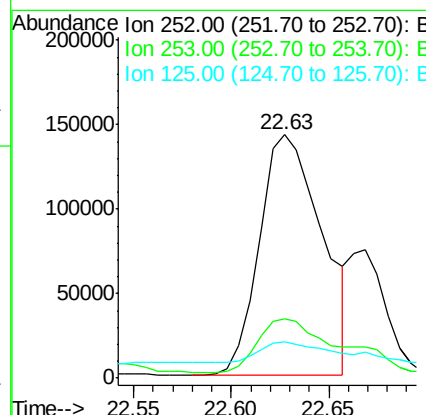
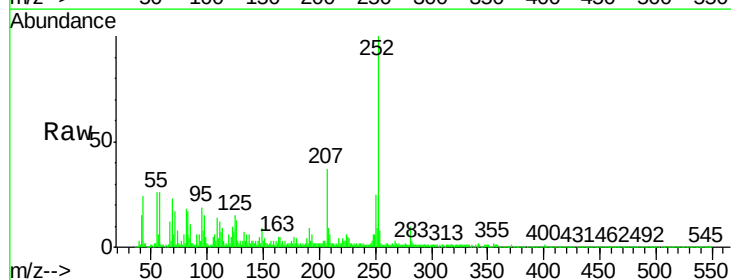
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.7	29.5
265	21.2	17.6	26.4

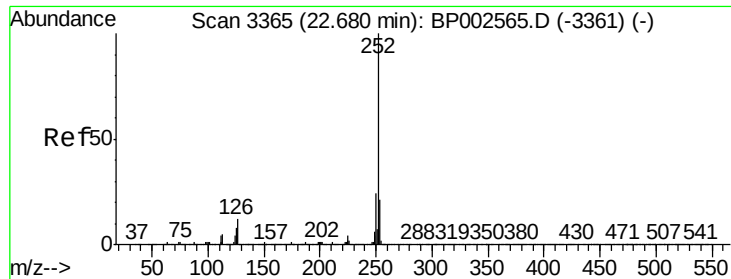


#88
Benzo(b)fluoranthene
Concen: 3.922 ng
RT: 22.63 min Scan# 3356
Delta R.T. -0.01 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Tgt Ion:252 Resp: 317679

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	15.0	7.4	11.2

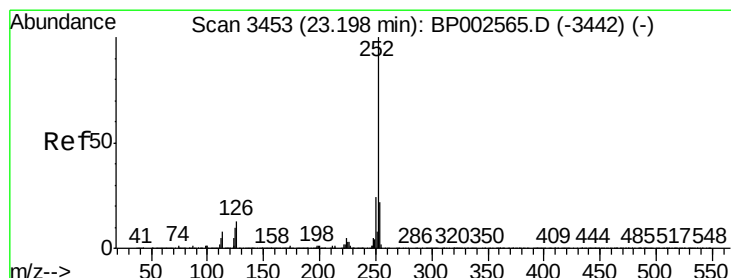
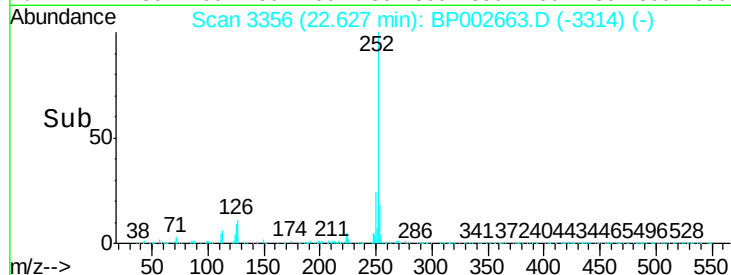
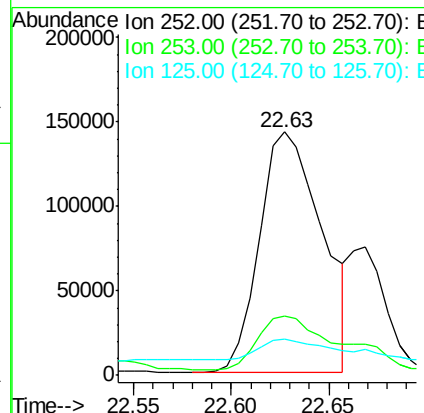
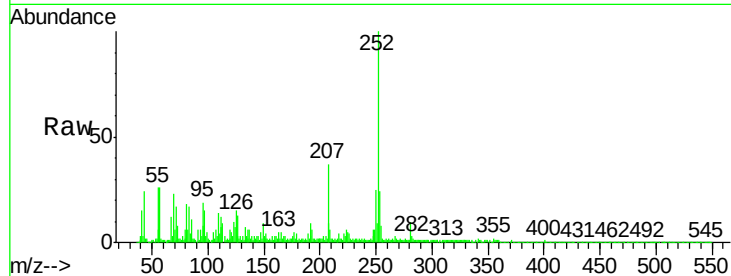




#89
Benzo(k)fluoranthene
Concen: 4.204 ng
RT: 22.63 min Scan# 3356
Delta R.T. -0.05 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Instrument :
BNA_P
ClientSampleId :
RT-4743

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.0
125	15.0	6.9	10.3



#90
Benzo(a)pyrene
Concen: 2.645 ng
RT: 23.19 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BP002663.D
Acq: 07 Jul 2020 18:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	15.8	7.8	11.8

