

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002673.D
 Acq On : 08 Jul 2020 14:02
 Operator : CG/JU
 Sample : L3215-14DL 20X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-12DL

Quant Time: Jul 08 15:10:49 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	220375	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	904700	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	585855	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1362274	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1636612	20.00	ng	0.00
86) Perylene-d12	23.28	264	1733682	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.20	112	44063	3.39	ng	0.00
7) Phenol-d6	6.77	99	39378	2.17	ng	0.00
23) Nitrobenzene-d5	8.72	82	64706	3.69	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	50771	7.13	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	165569	4.16	ng	0.00
79) Terphenyl-d14	19.56	244	345101	4.55	ng	-0.01

Target Compounds

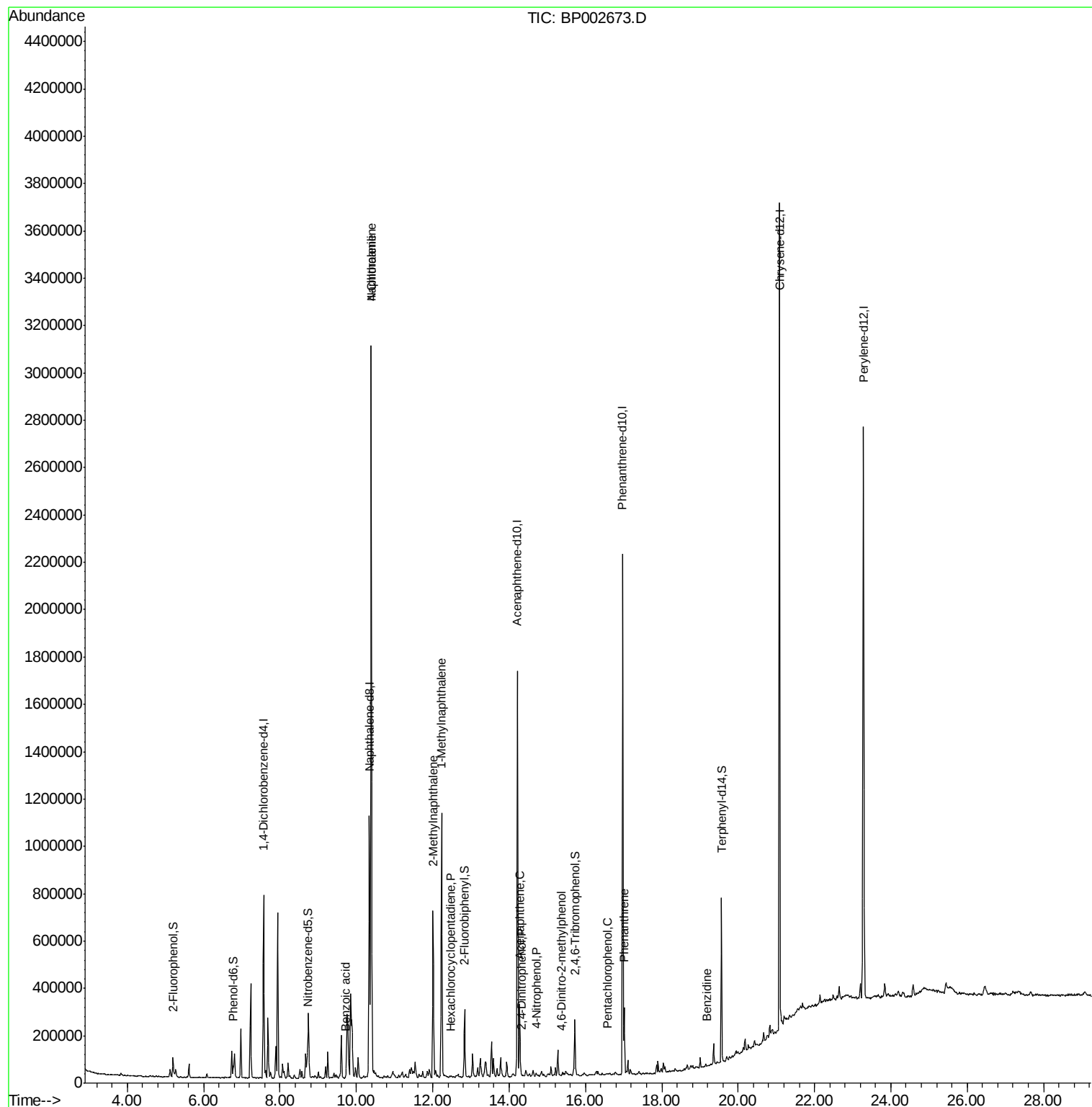
						Qvalue
31) Naphthalene	10.39	128	2595714	54.199	ng	99
32) Benzoic acid	9.72	122	147	8.711	ng	# 1
33) 4-Chloroaniline	10.39	127	339943	16.227	ng	# 32
37) 2-Methylnaphthalene	12.01	142	361327	10.347	ng	98
38) 1-Methylnaphthalene	12.23	142	524752	15.956	ng	99
41) Hexachlorocyclopentadiene	12.48	237	28	4.384	ng	81
52) Acenaphthene	14.28	154	107599	3.212	ng	99
54) 2,4-Dinitrophenol	14.33	184	26	6.013	ng	# 1
56) 4-Nitrophenol	14.70	139	236	2.463	ng	90
65) 4,6-Dinitro-2-methylphenol	15.36	198	60	2.716	ng	# 1
70) Pentachlorophenol	16.57	266	10	2.663	ng	90
71) Phenanthrene	17.02	178	169095	2.307	ng	98
77) Benzidine	19.19	184	66	3.757	ng	# 1

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

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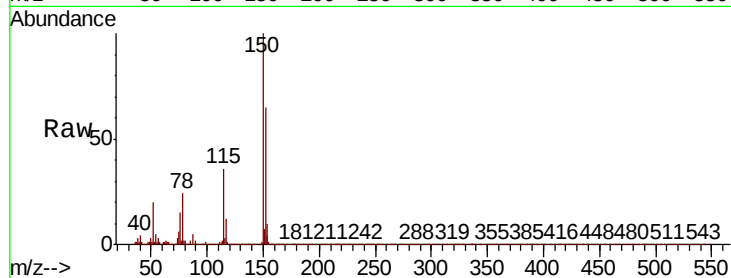


#1

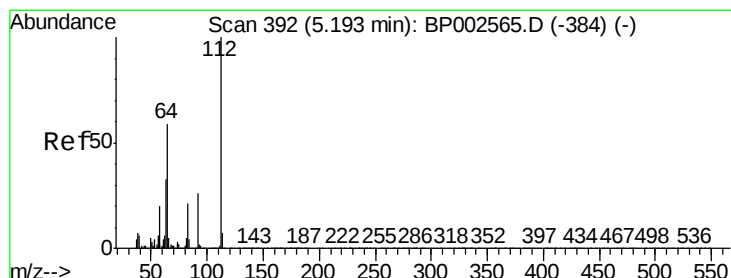
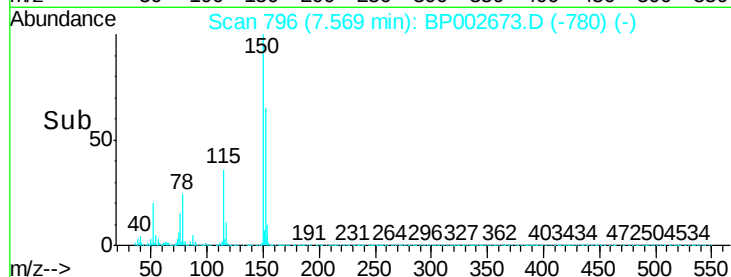
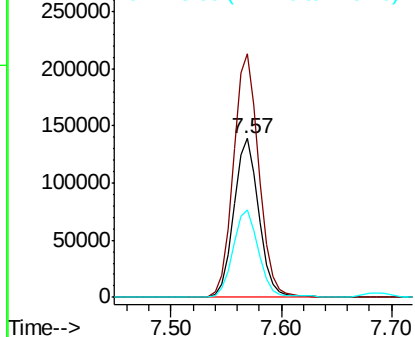
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Instrument :
BNA_P
ClientSampleId :
MW-12DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.2	186.2
115	55.0	47.1	70.7



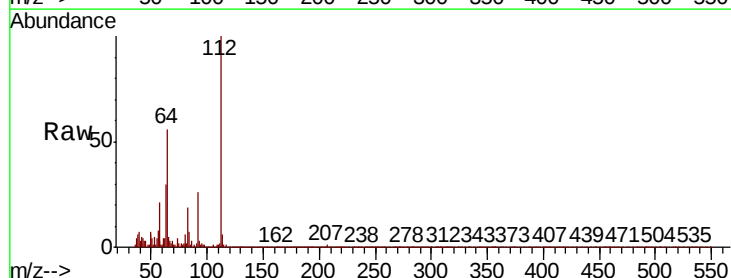
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



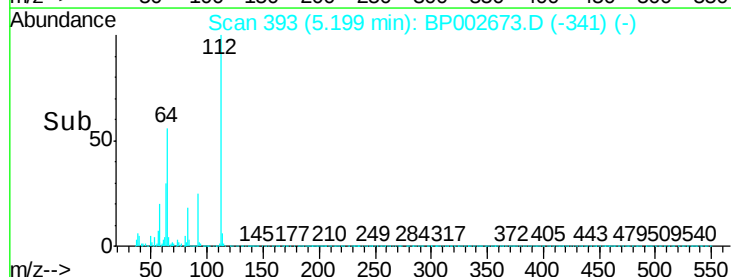
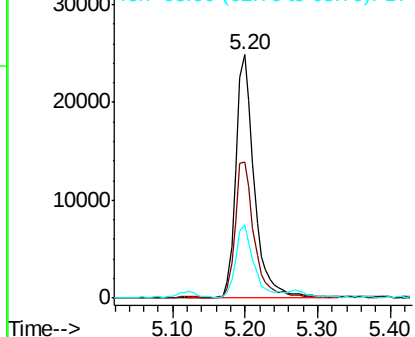
#5

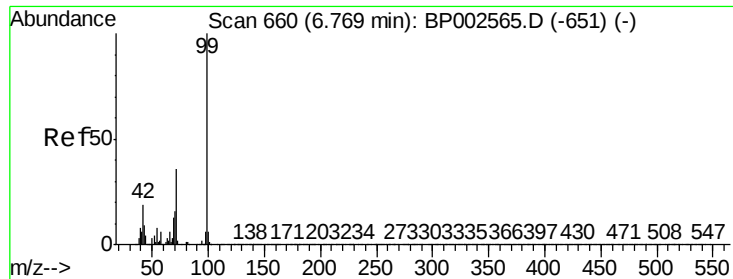
2-Fluorophenol
Concen: 3.385 ng
RT: 5.20 min Scan# 393
Delta R.T. 0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	47.0	70.6
63	29.9	26.1	39.1



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: 2.168 ng

RT: 6.77 min Scan# 661

Delta R.T. 0.01 min

Lab File: BP002673.D

Acq: 08 Jul 2020 14:02

Instrument :

BNA_P

ClientSampleId :

MW-12DL

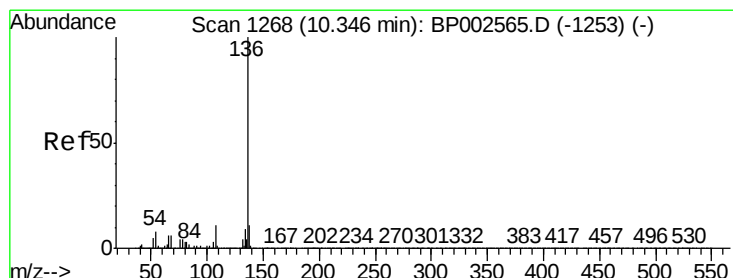
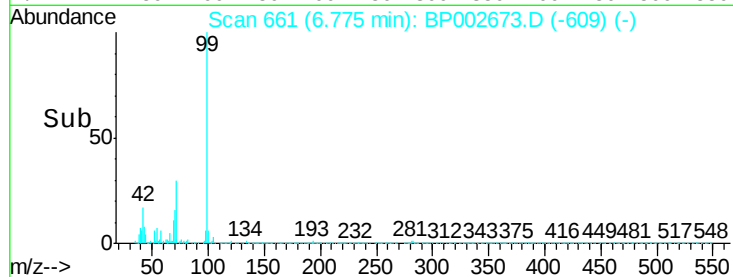
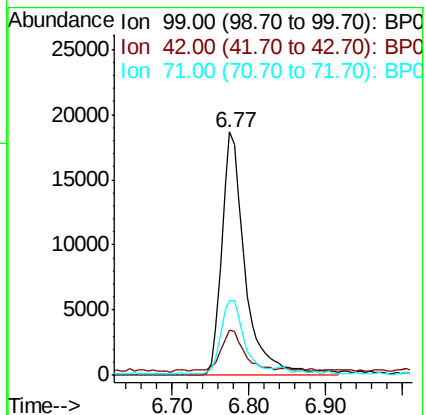
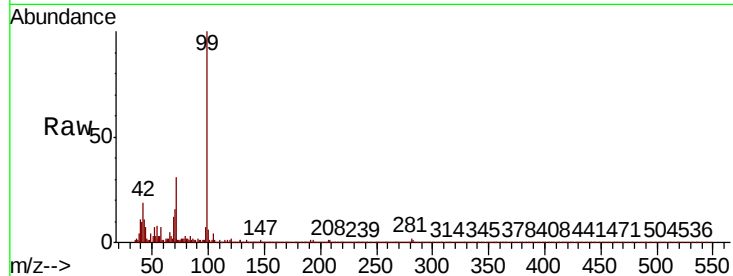
Tot Ion: 99 Resp: 39378

Ion Ratio Lower Upper

99 100

42 18.7 15.5 23.3

71 30.9 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: BP002673.D

Acq: 08 Jul 2020 14:02

Tgt Ion: 136 Resp: 904700

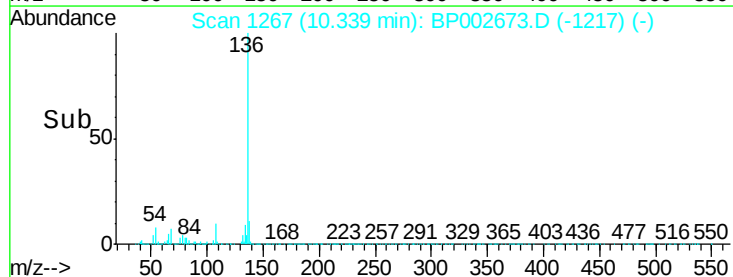
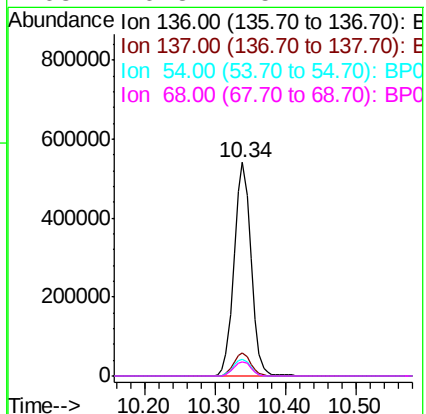
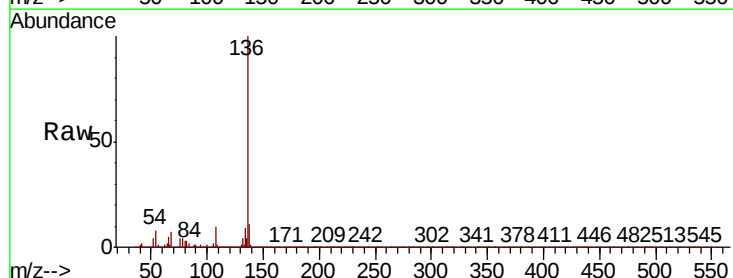
Ion Ratio Lower Upper

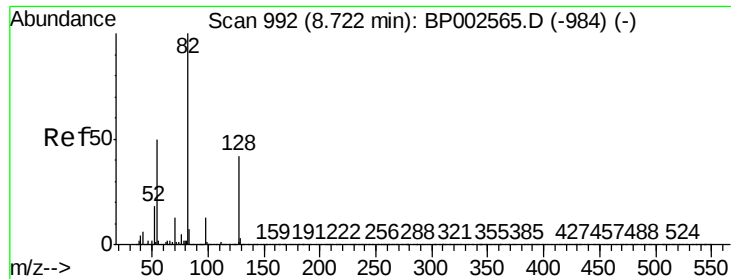
136 100

137 11.0 8.8 13.2

54 8.0 6.4 9.6

68 6.8 5.1 7.7

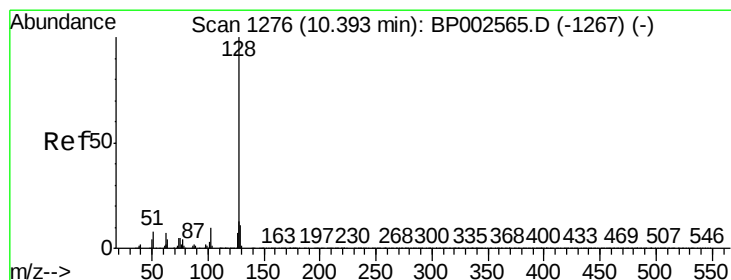
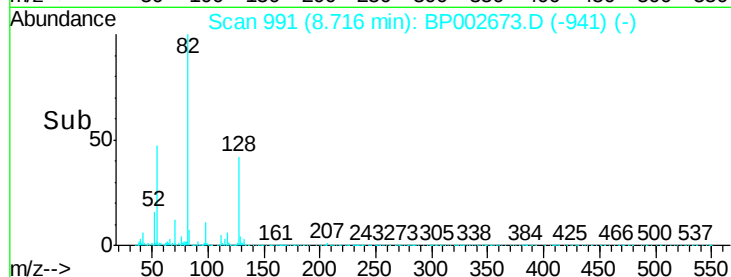
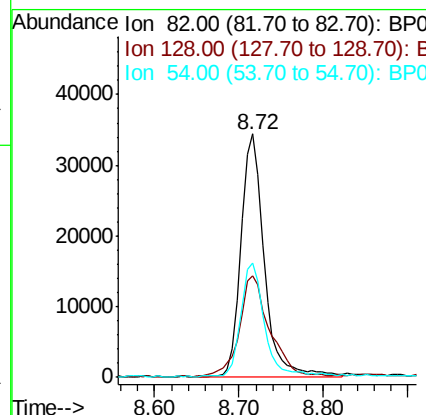
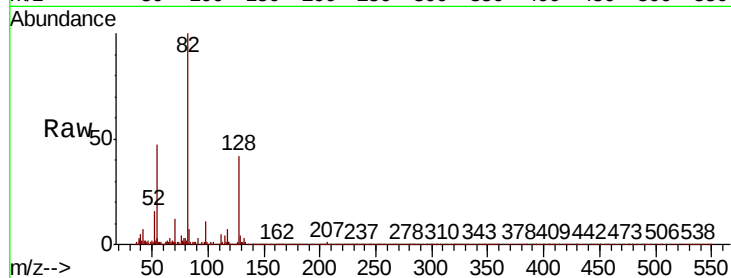




#23
Nitrobenzene-d5
Concen: 3.685 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

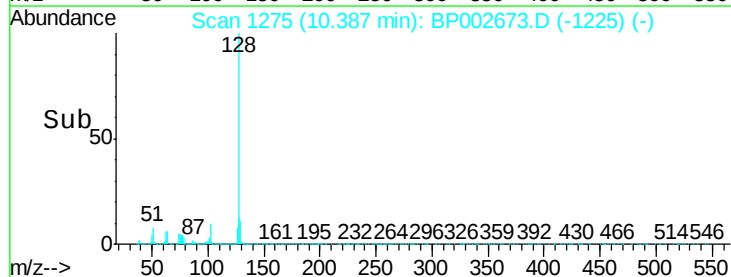
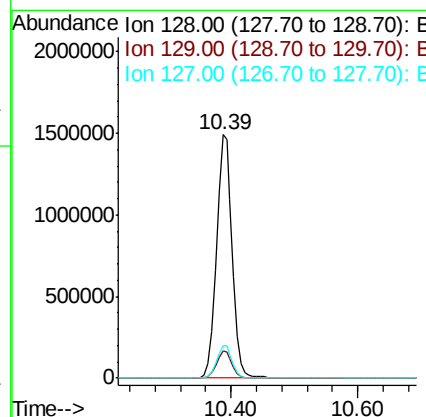
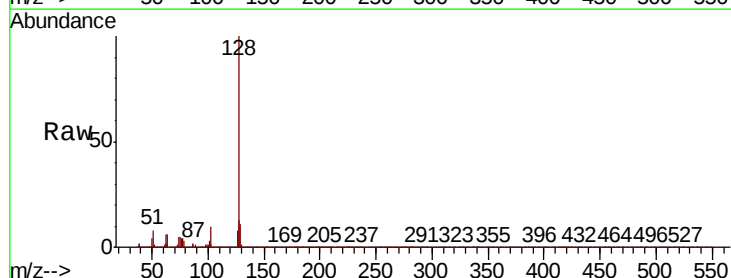
Instrument :
BNA_P
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MW-12DL

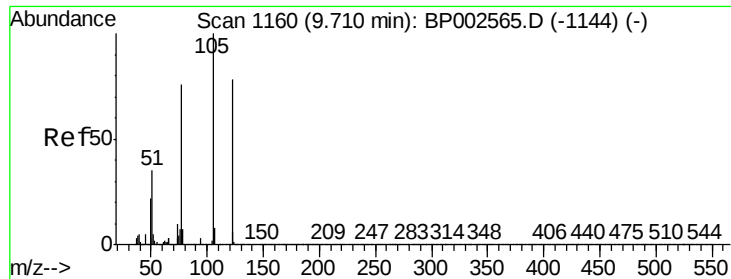
Tot Ion	82	Resp	64706
Ion Ratio	Lower	Upper	
82	100		
128	41.6	33.4	50.2
54	47.0	40.1	60.1



#31
Naphthalene
Concen: 54.199 ng
RT: 10.39 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Tgt Ion	128	Resp	2595714
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.6	13.0
127	13.2	10.3	15.5

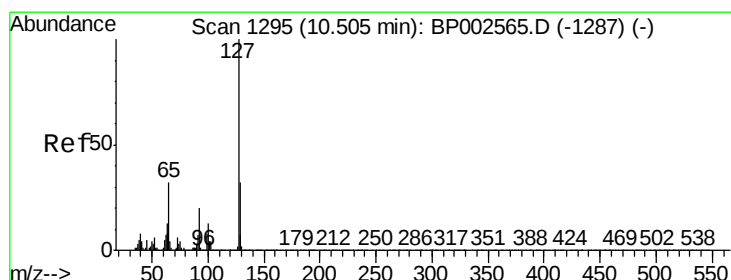
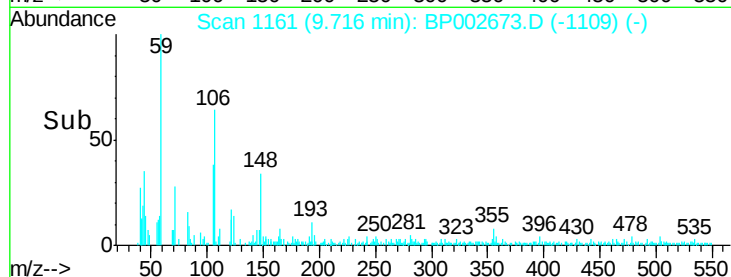
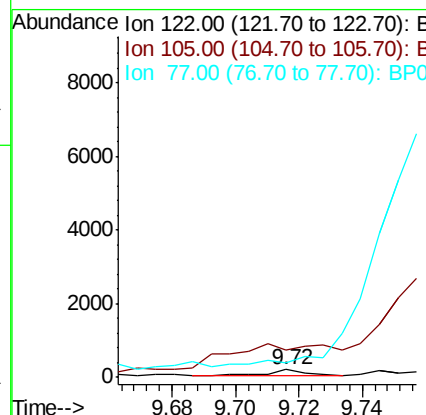
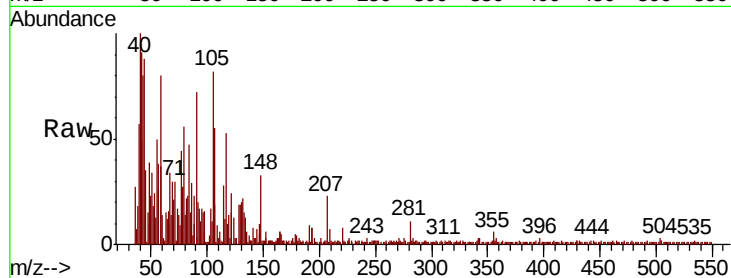




#32
Benzoic acid
Concen: 8.711 ng
RT: 9.72 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

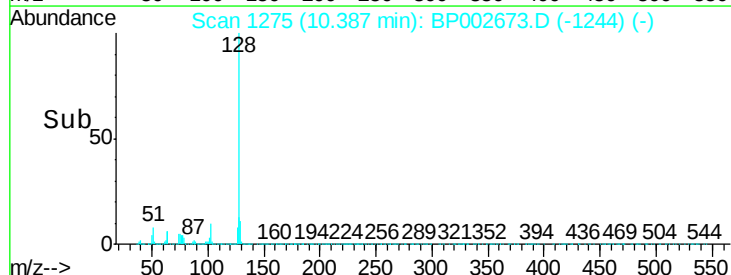
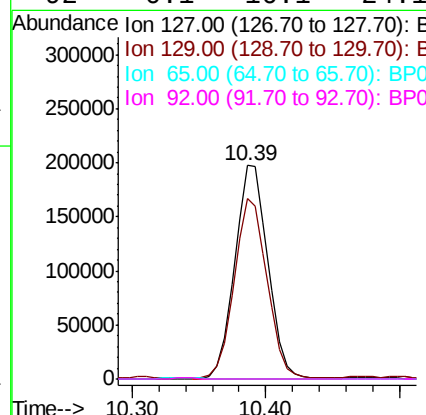
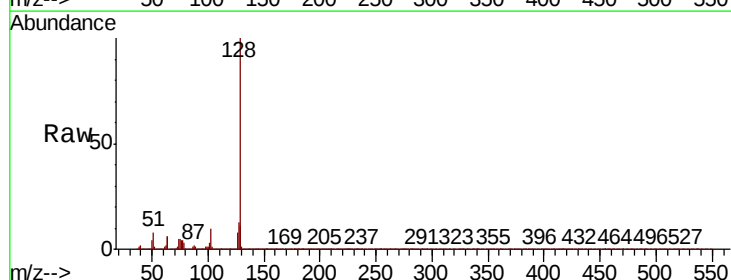
Instrument :
BNA_P
ClientSampleId :
MW-12DL

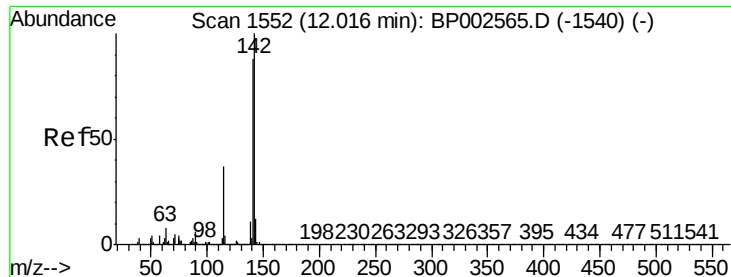
Tot Ion:122 Resp: 147
Ion Ratio Lower Upper
122 100
105 345.3 106.6 146.6#
77 185.8 76.5 116.5#



#33
4-Chloroaniline
Concen: 16.227 ng
RT: 10.39 min Scan# 1275
Delta R.T. -0.12 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Tgt Ion:127 Resp: 339943
Ion Ratio Lower Upper
127 100
129 84.7 25.7 38.5#
65 0.0 25.7 38.5#
92 0.1 16.1 24.1#

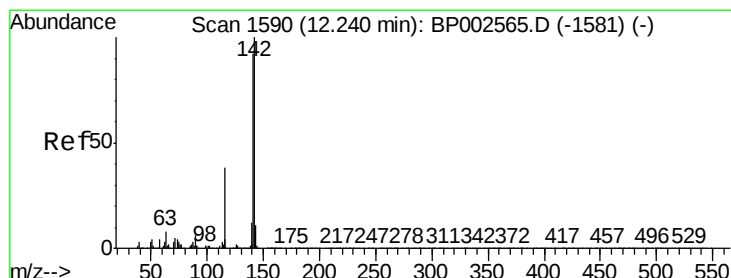
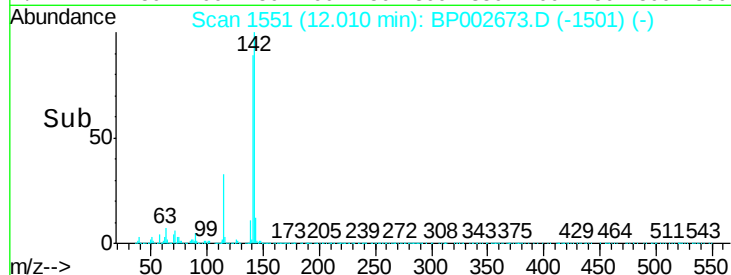
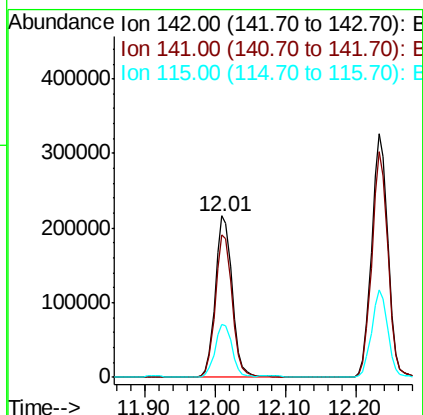
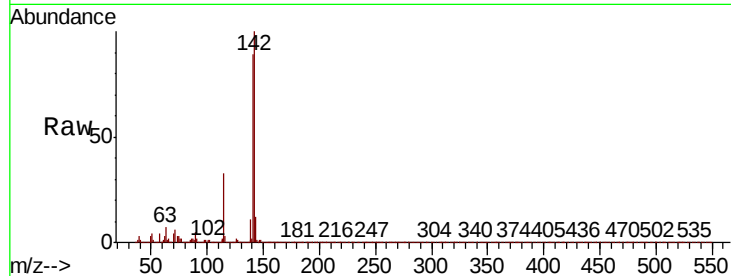




#37
2-Methylnaphthalene
Concen: 10.347 ng
RT: 12.01 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

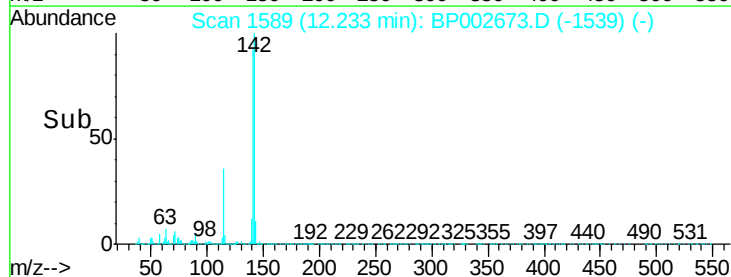
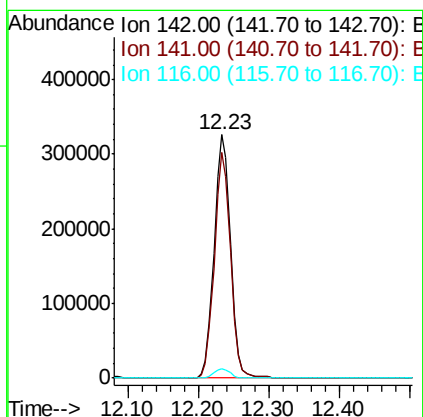
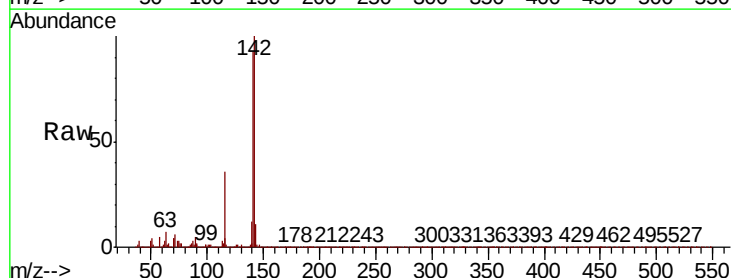
Instrument :
BNA_P
ClientSampleId :
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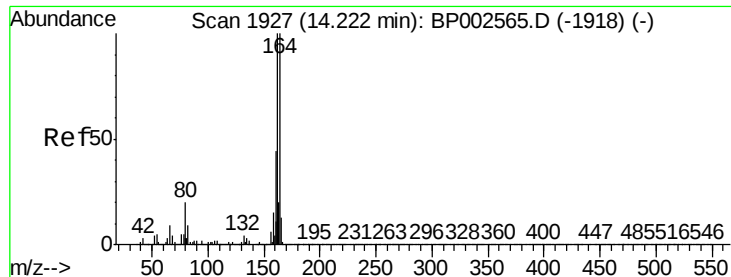
Tot Ion:142 Resp: 361327
Ion Ratio Lower Upper
142 100
141 88.7 70.7 106.1
115 33.1 29.7 44.5



#38
1-Methylnaphthalene
Concen: 15.956 ng
RT: 12.23 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Tgt Ion:142 Resp: 524752
Ion Ratio Lower Upper
142 100
141 92.9 73.4 110.2
116 3.7 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BP002673.D

Acq: 08 Jul 2020 14:02

Instrument :

BNA_P

ClientSampleId :

MW-12DL

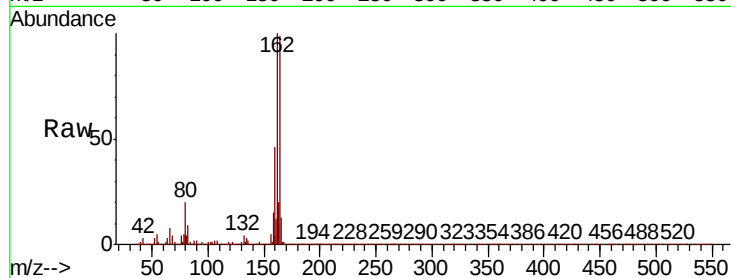
Tot Ion:164 Resp: 585855

Ion Ratio Lower Upper

164 100

162 100.9 80.3 120.5

160 46.0 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

14.22

400000

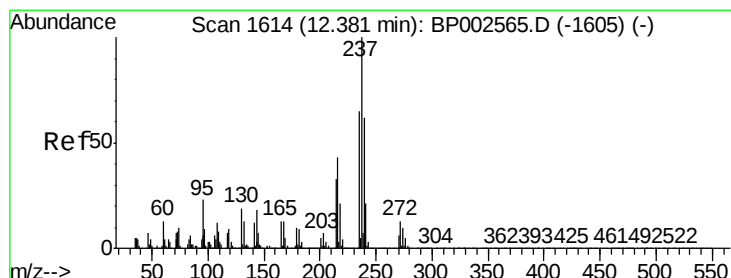
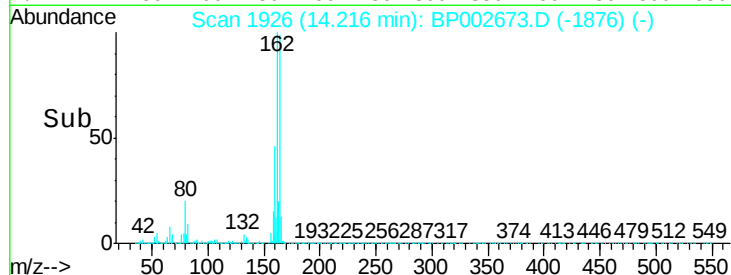
300000

200000

100000

0

Time-->



#41

Hexachlorocyclopentadiene

Concen: 4.384 ng

RT: 12.48 min Scan# 1631

Delta R.T. 0.10 min

Lab File: BP002673.D

Acq: 08 Jul 2020 14:02

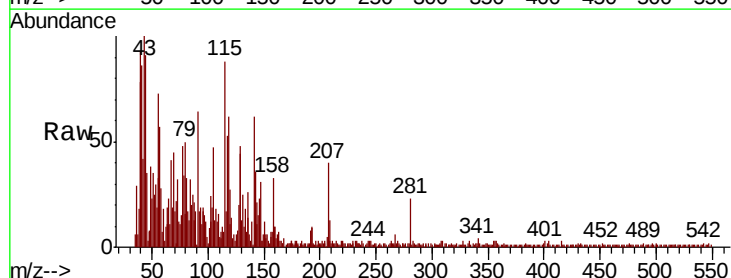
Tgt Ion:237 Resp: 28

Ion Ratio Lower Upper

237 100

235 76.0 45.4 85.4

272 32.0 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

12.48

40

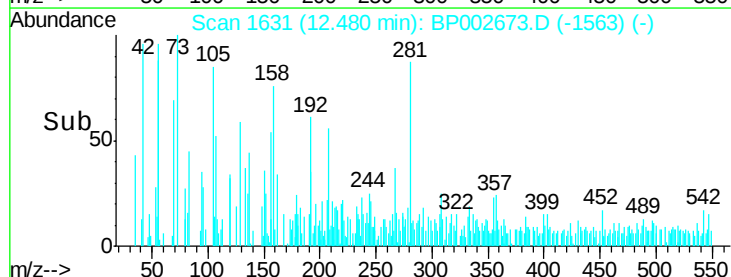
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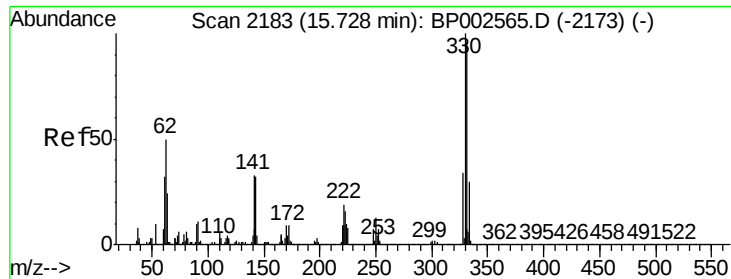
20

10

0

Time-->

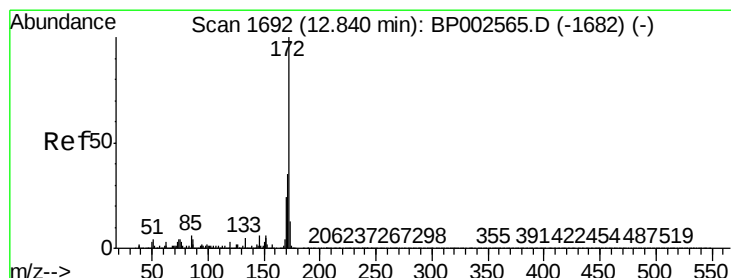
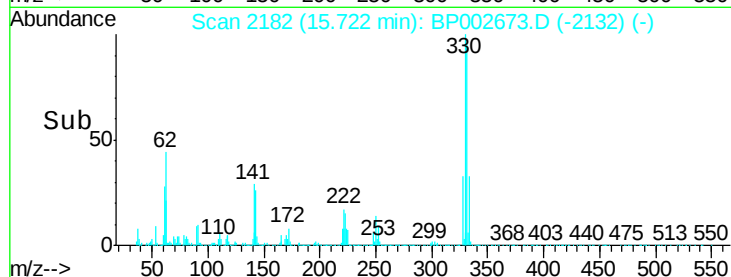
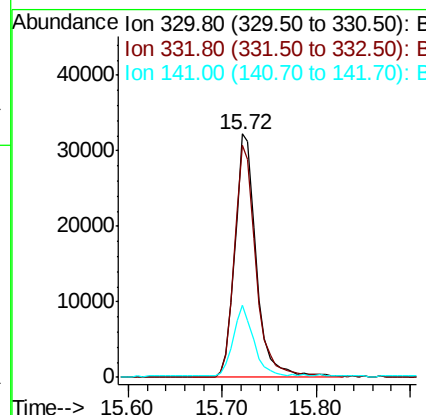
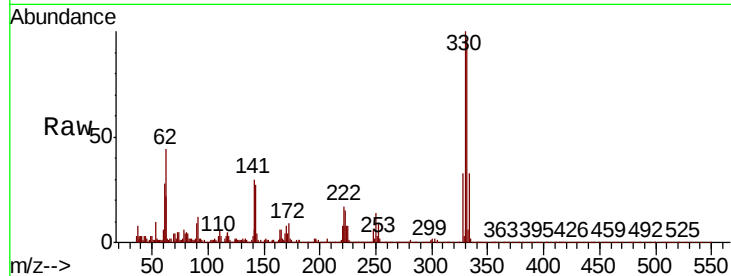




#42
2,4,6-Tribromophenol
Concen: 7.125 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

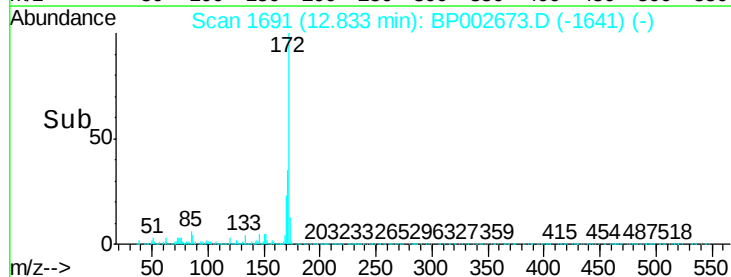
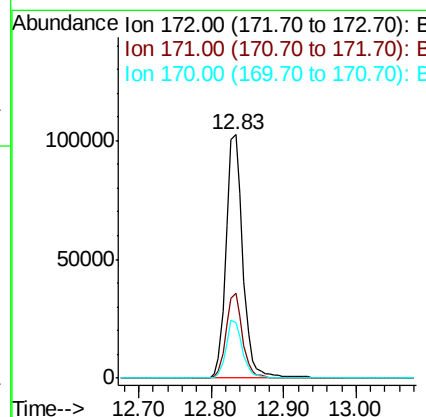
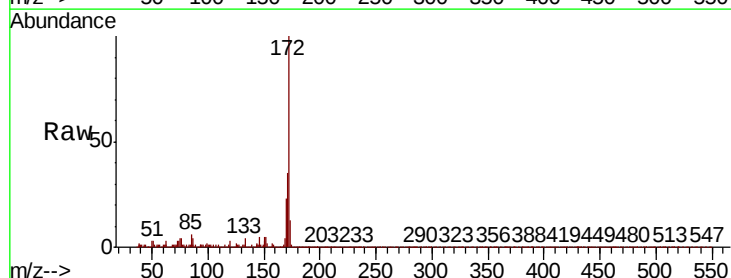
Instrument :
BNA_P
ClientSampleId :
MW-12DL

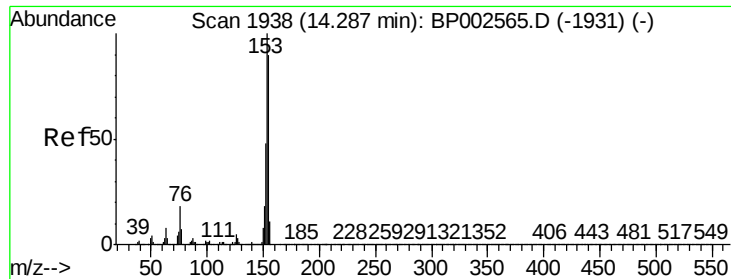
Tot Ion:330 Resp: 50771
Ion Ratio Lower Upper
330 100
332 96.7 77.7 116.5
141 27.6 29.0 43.6#



#45
2-Fluorobiphenyl
Concen: 4.160 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Tgt Ion:172 Resp: 165569
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.0 19.0 28.4





#52

Acenaphthene

Concen: 3.212 ng

RT: 14.28 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BP002673.D

Acq: 08 Jul 2020 14:02

Instrument :

BNA_P

ClientSampleId :

MW-12DL

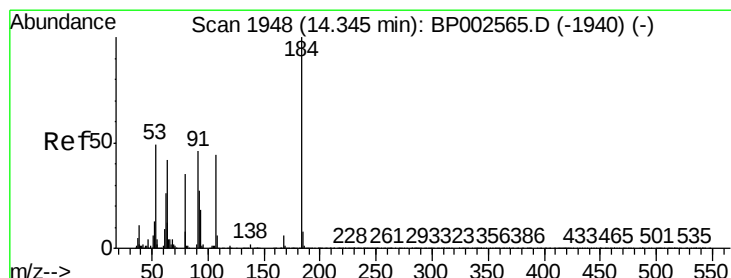
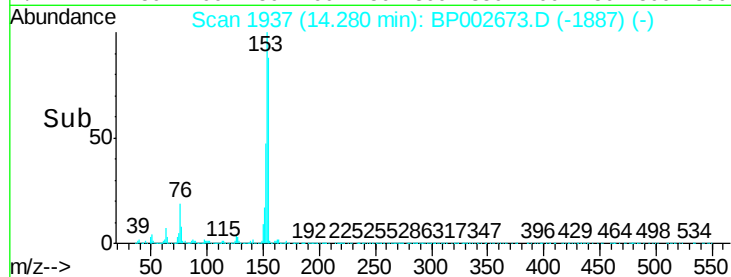
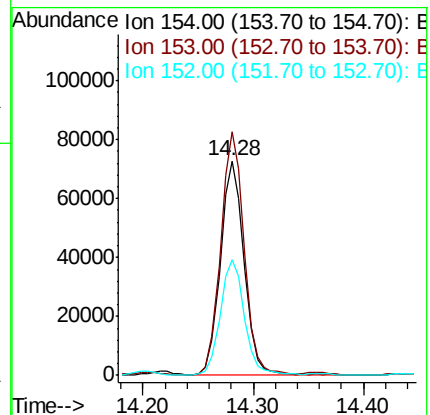
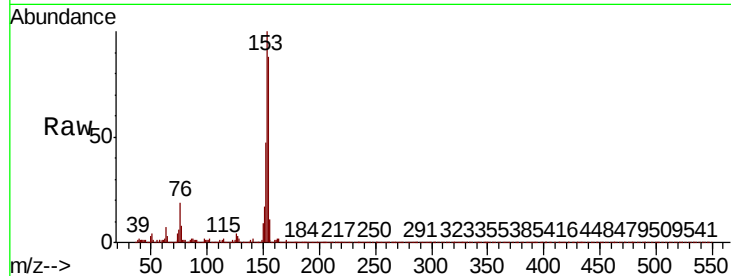
Tot Ion:154 Resp: 107599

Ion Ratio Lower Upper

154 100

153 113.4 89.1 133.7

152 53.8 43.2 64.8



#54

2,4-Dinitrophenol

Concen: 6.013 ng

RT: 14.33 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BP002673.D

Acq: 08 Jul 2020 14:02

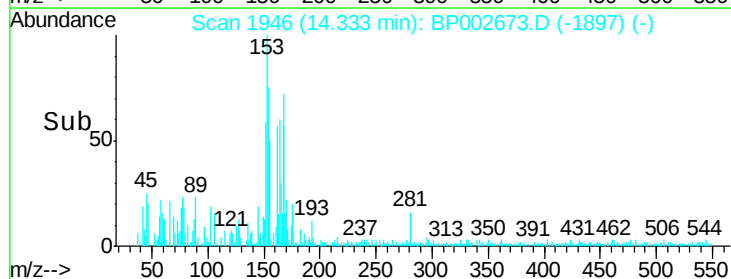
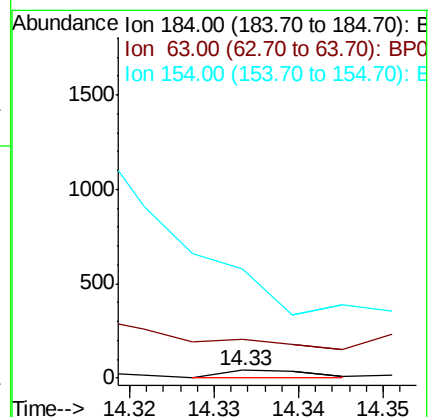
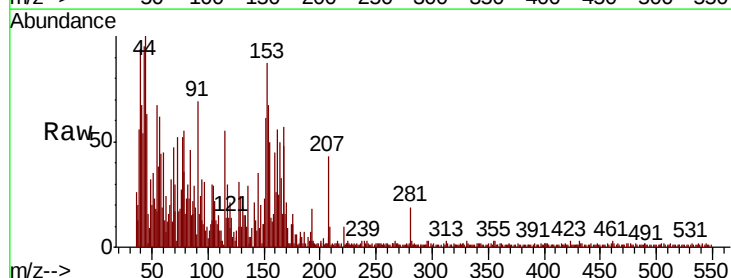
Tgt Ion:184 Resp: 26

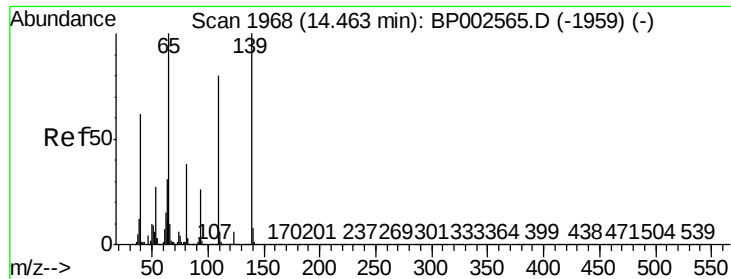
Ion Ratio Lower Upper

184 100

63 507.5 56.2 84.2#

154 1437.5 50.9 76.3#

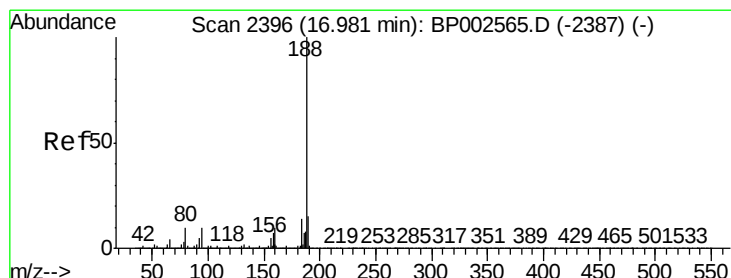
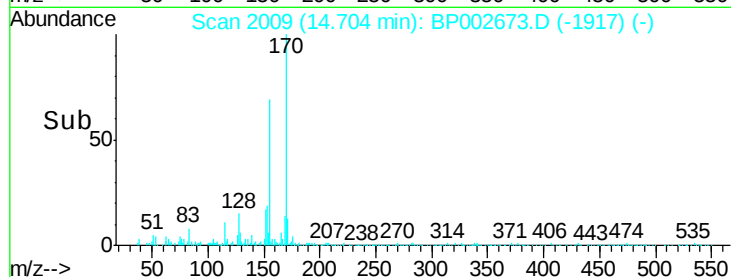
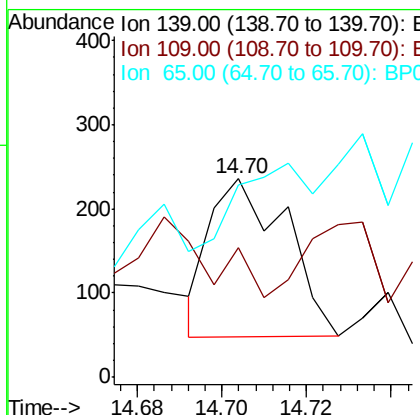
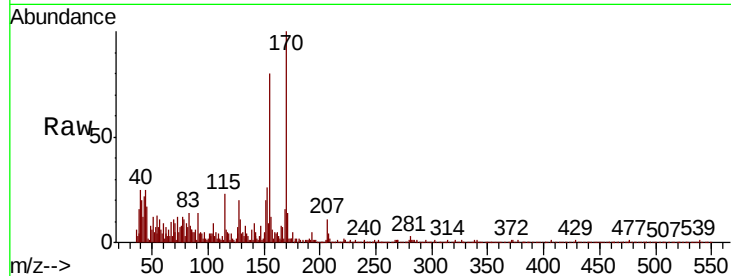




#56
4-Nitrophenol
Concen: 2.463 ng
RT: 14.70 min Scan# 2009
Delta R.T. 0.24 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

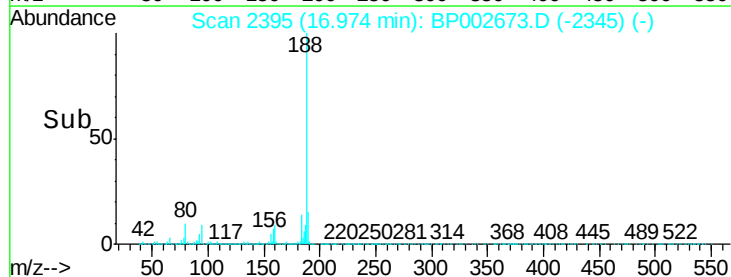
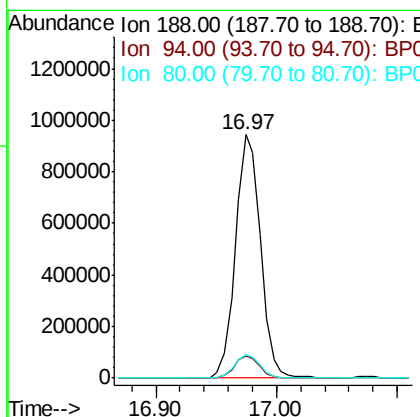
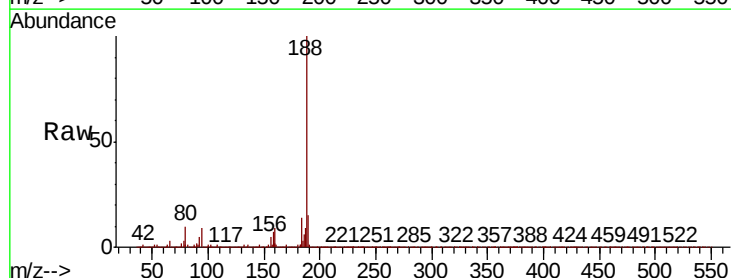
Instrument :
BNA_P
ClientSampled :
MW-12DL

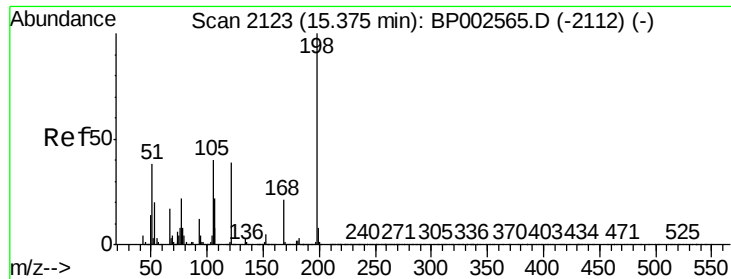
Tot Ion:139 Resp: 236
Ion Ratio Lower Upper
139 100
109 65.3 60.1 100.1
65 96.6 80.3 120.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Tgt Ion:188 Resp: 1362274
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.6
80 9.8 8.2 12.4

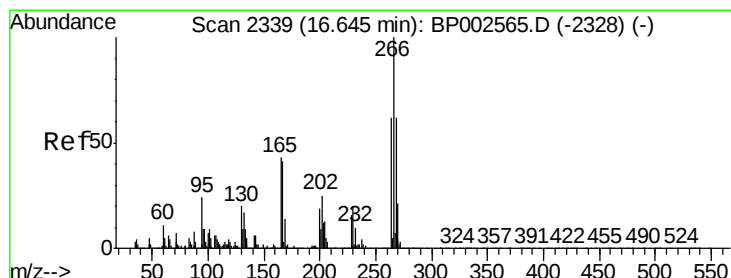
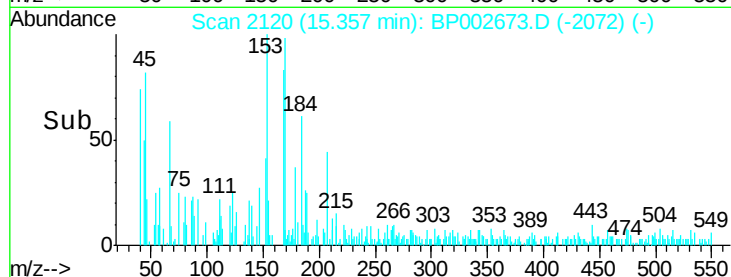
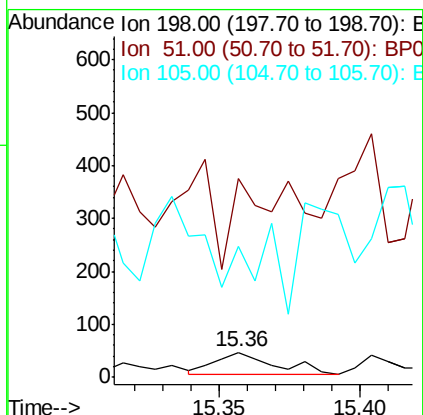
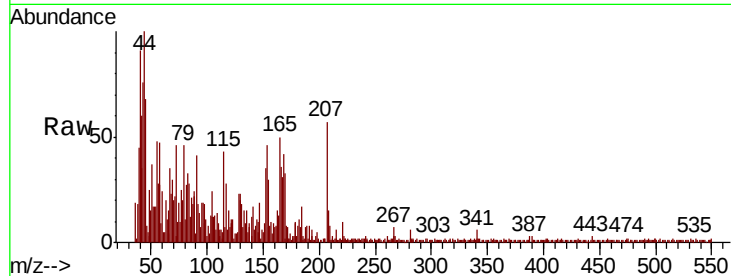




#65
 4,6-Dinitro-2-methylphenol
 Concen: 2.716 ng
 RT: 15.36 min Scan# 2120
 Delta R.T. -0.02 min
 Lab File: BP002673.D
 Acq: 08 Jul 2020 14:02

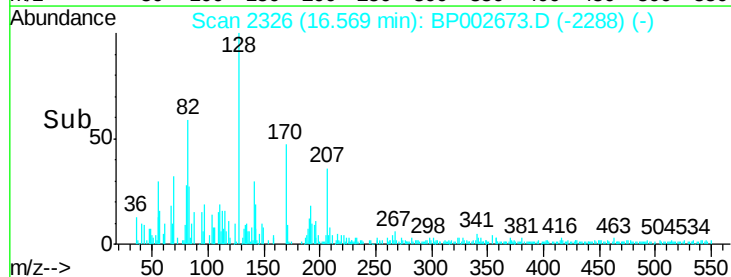
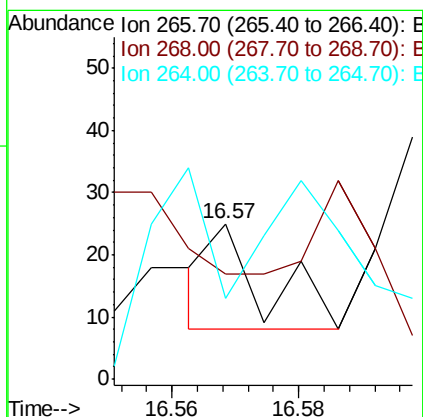
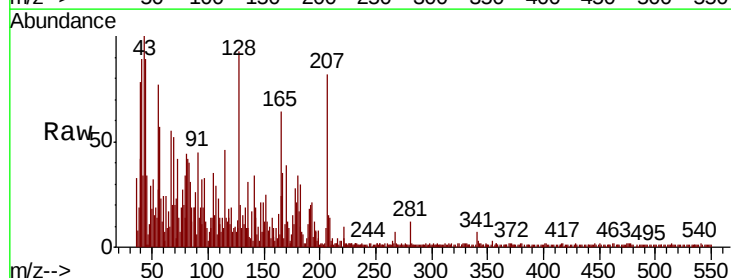
Instrument :
 BNA_P
 ClientSampleId :
 MW-12DL

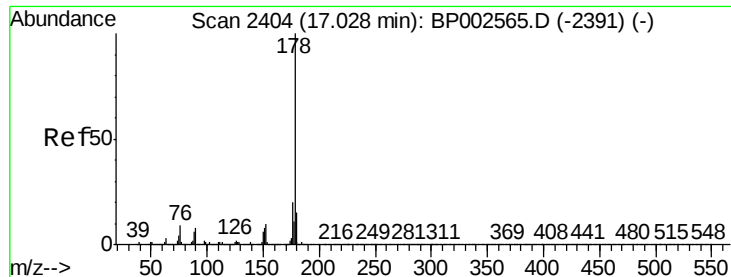
Tot Ion:198 Resp: 60
 Ion Ratio Lower Upper
 198 100
 51 800.0 24.2 64.2#
 105 527.7 20.7 60.7#



#70
 Pentachlorophenol
 Concen: 2.663 ng
 RT: 16.57 min Scan# 2326
 Delta R.T. -0.08 min
 Lab File: BP002673.D
 Acq: 08 Jul 2020 14:02

Tgt Ion:266 Resp: 10
 Ion Ratio Lower Upper
 266 100
 268 68.0 49.7 74.5
 264 52.0 49.3 73.9

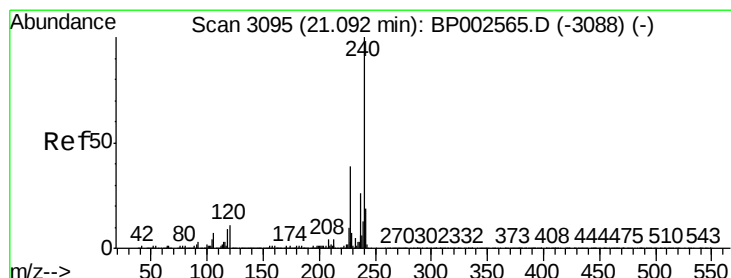
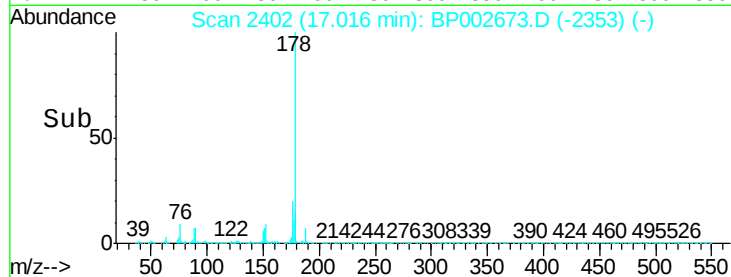
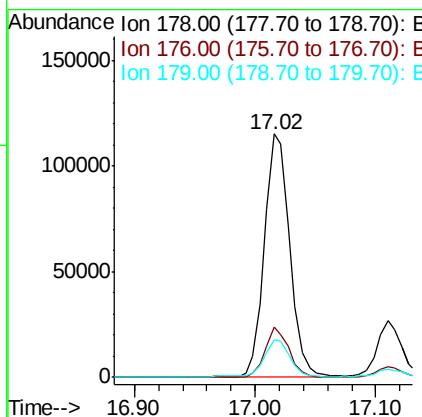
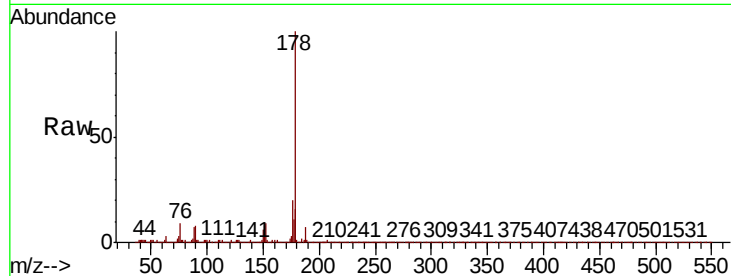




#71
Phenanthrene
Concen: 2.307 ng
RT: 17.02 min Scan# 2402
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

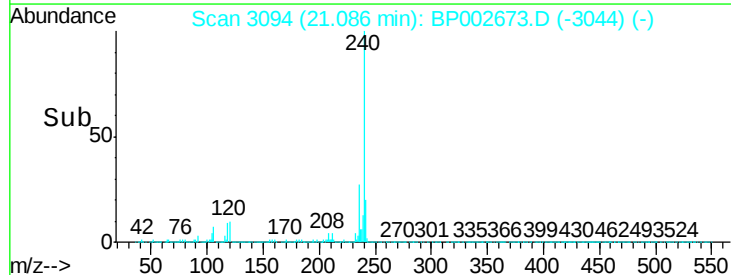
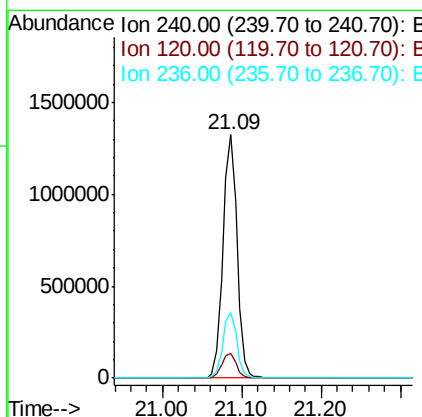
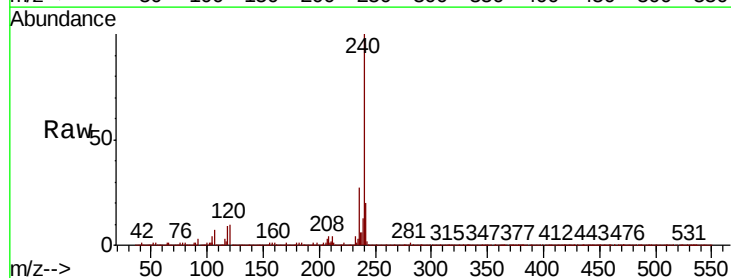
Instrument :
BNA_P
ClientSampleId :
MW-12DL

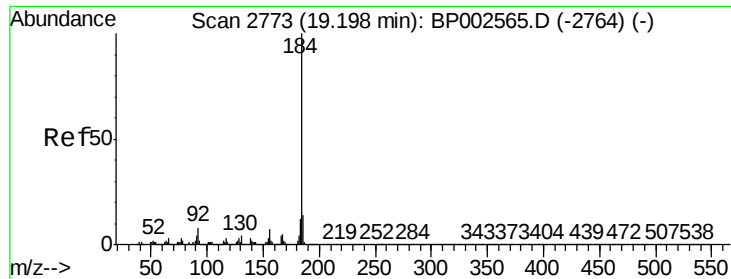
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.6	23.4
179	15.6	12.1	18.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.6	13.0
236	27.2	20.8	31.2





#77

Benzidine

Concen: 3.757 ng

RT: 19.19 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BP002673.D

Acq: 08 Jul 2020 14:02

Instrument :

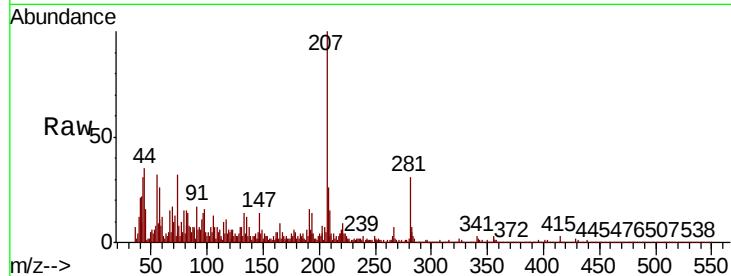
BNA_P

ClientSampleID :

MW-12DL

Tot Ion:184 Resp: 66

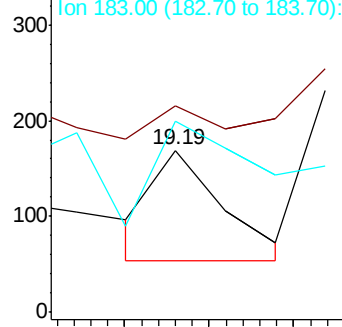
Ion	Ratio	Lower	Upper
184	100		
185	127.8	11.4	17.2#
183	118.3	9.2	13.8#



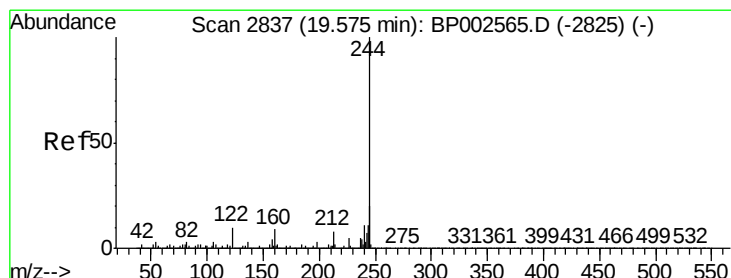
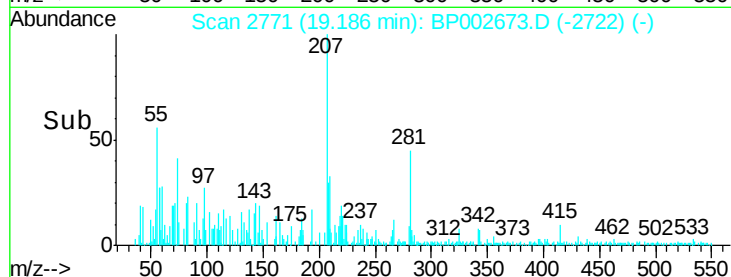
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->



#79

Terphenyl-d14

Concen: 4.551 ng

RT: 19.56 min Scan# 2835

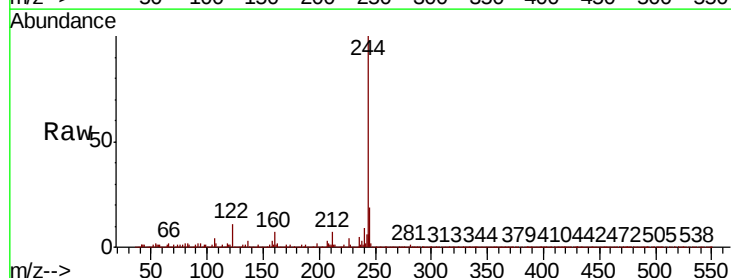
Delta R.T. -0.01 min

Lab File: BP002673.D

Acq: 08 Jul 2020 14:02

Tgt Ion:244 Resp: 345101

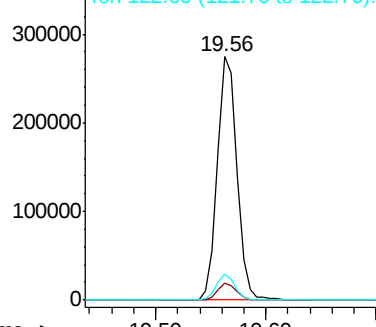
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.5	9.7
122	10.9	7.9	11.9



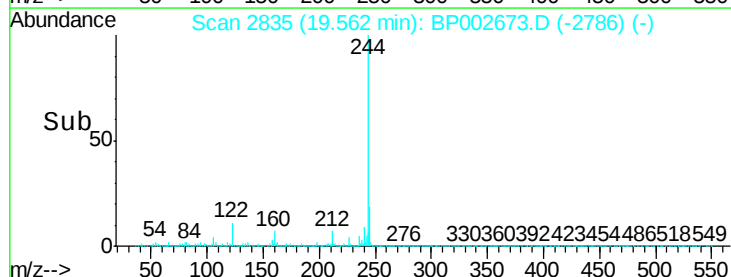
Abundance Ion 244.00 (243.70 to 244.70): E

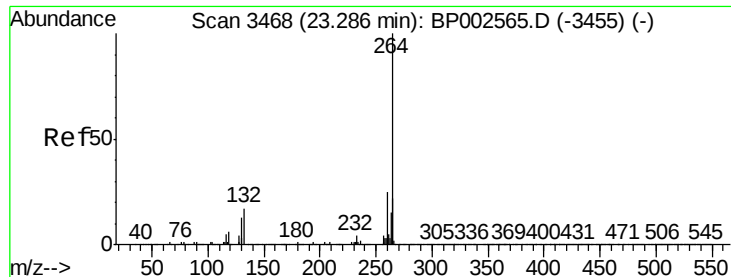
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. -0.01 min
Lab File: BP002673.D
Acq: 08 Jul 2020 14:02

Instrument :
BNA_P
ClientSampleId :
MW-12DL

Tot Ion:264 Resp: 1733682

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.7	29.5
265	21.5	17.6	26.4

