

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070220\
 Data File : BP002623.D
 Acq On : 02 Jul 2020 10:39
 Operator : CG/JU
 Sample : PB129912TB
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB129912TB

Quant Time: Jul 02 11:14:58 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

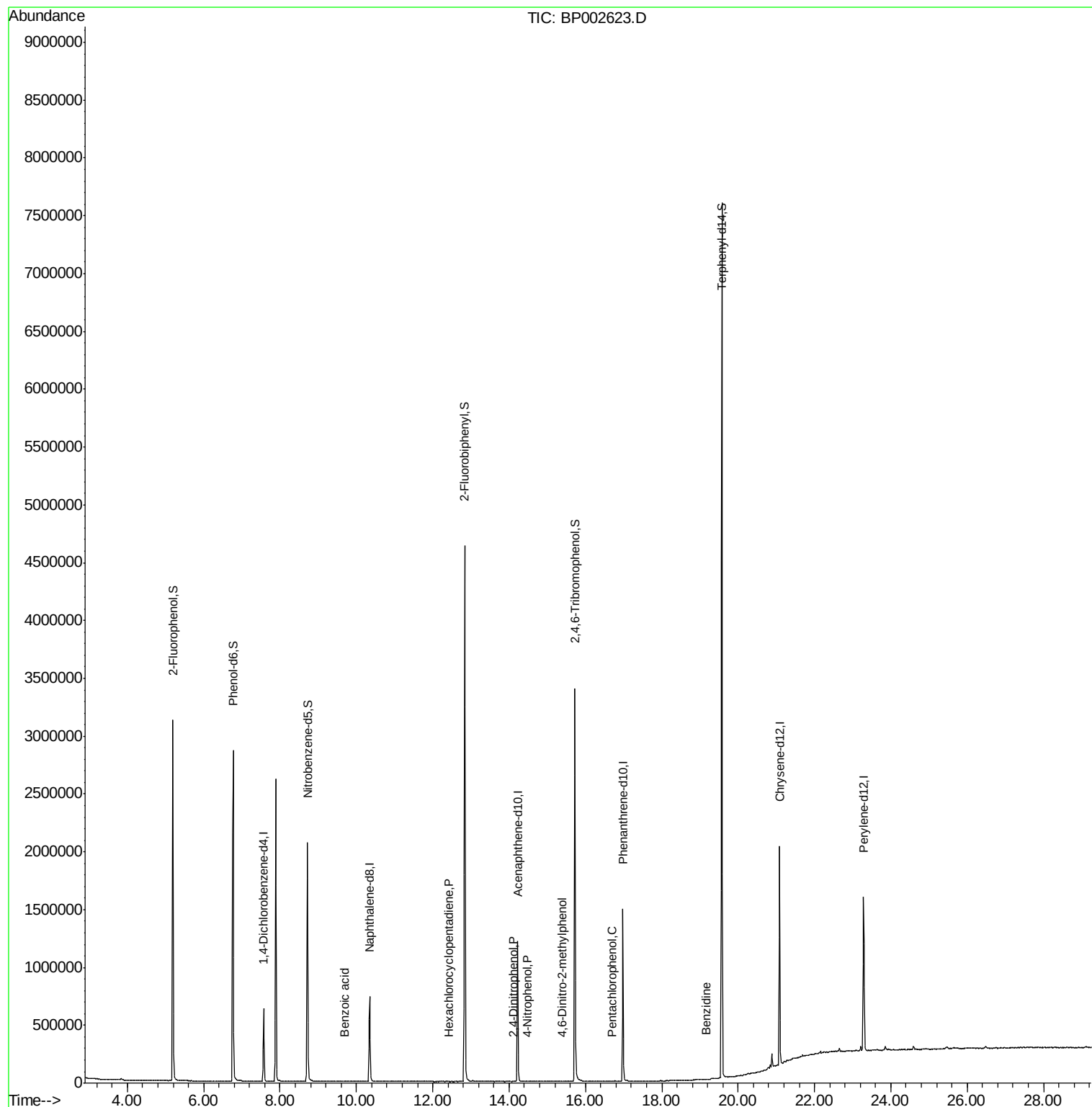
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	167040	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	666350	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	418210	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	903093	20.00	ng	0.00
76) Chrysene-d12	21.09	240	898402	20.00	ng	0.00
86) Perylene-d12	23.29	264	914449	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1370714	138.94	ng	0.00
7) Phenol-d6	6.77	99	1785185	129.64	ng	0.00
23) Nitrobenzene-d5	8.72	82	1199320	92.74	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	663550	130.45	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2586186	91.02	ng	0.00
79) Terphenyl-d14	19.57	244	3804091	91.40	ng	0.00
Target Compounds						
9) Benzaldehyde	6.70	77	99	Below Cal	Qvalue	# 42
32) Benzoic acid	9.70	122	14	8.701 ng	#	1
41) Hexachlorocyclopentadiene	12.42	237	69	4.391 ng		86
54) 2,4-Dinitrophenol	14.10	184	20	6.013 ng		90
56) 4-Nitrophenol	14.47	139	40	2.442 ng	#	53
65) 4,6-Dinitro-2-methylphenol	15.39	198	18	2.713 ng	#	1
70) Pentachlorophenol	16.69	266	36	2.667 ng		97
77) Benzidine	19.17	184	77	3.758 ng	#	16

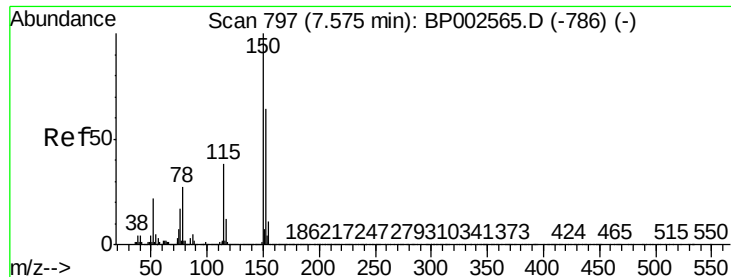
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.57 min Scan# 796

Delta R.T. -0.01 min

Lab File: BP002623.D

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Instrument :

BNA_P

ClientSampleId :

PB129912TB

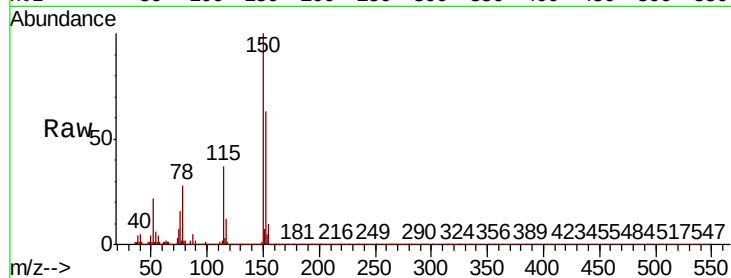
Tot Ion:152 Resp: 167040

Ion Ratio Lower Upper

152 100

150 158.7 124.2 186.2

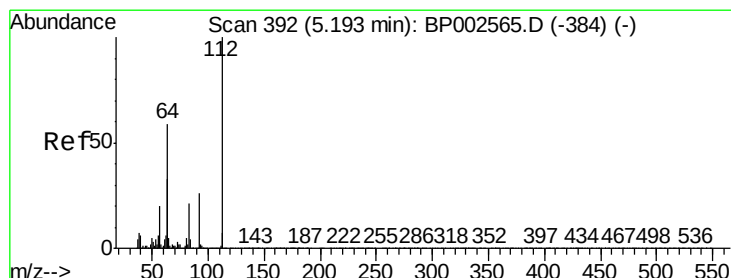
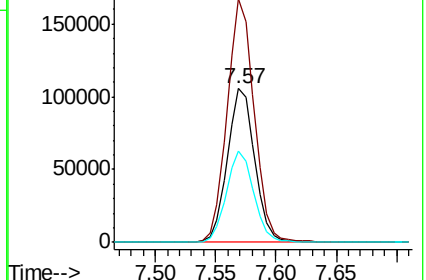
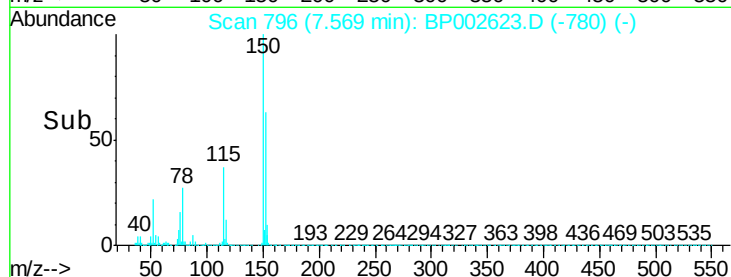
115 59.1 47.1 70.7



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: 138.935 ng

RT: 5.19 min Scan# 392

Delta R.T. -0.00 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

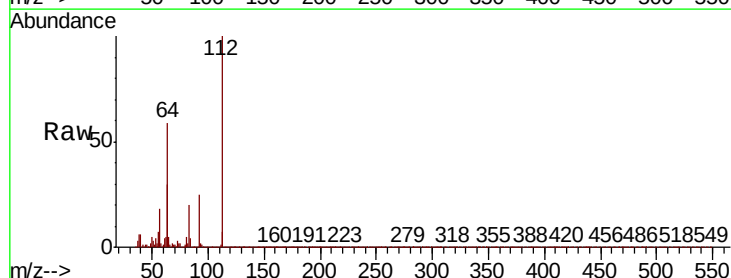
Tgt Ion:112 Resp: 1370714

Ion Ratio Lower Upper

112 100

64 58.6 47.0 70.6

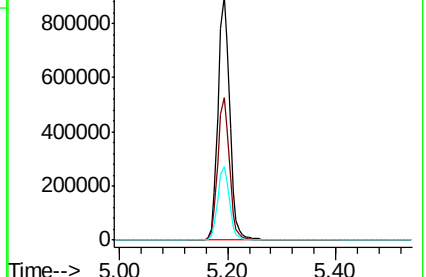
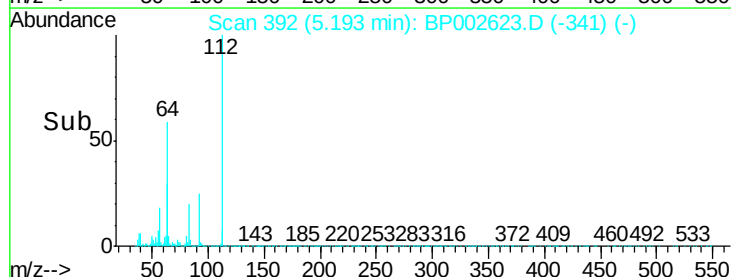
63 30.3 26.1 39.1

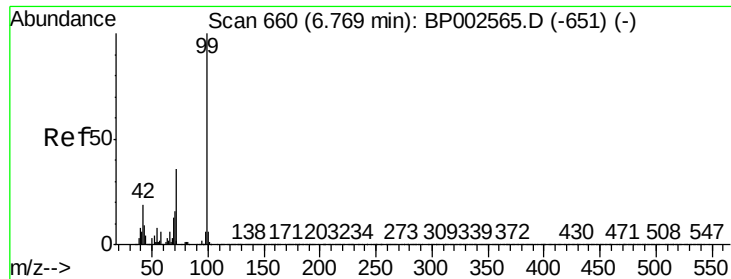


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 129.641 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

Instrument :

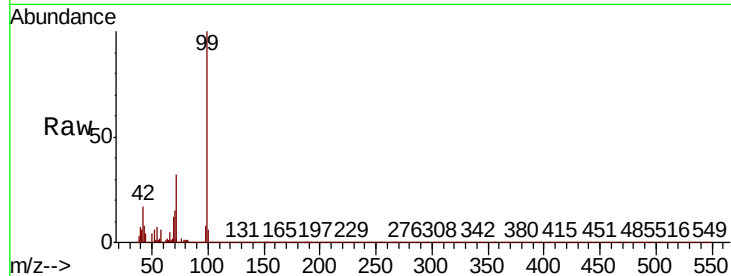
BNA_P

ClientSampleId :

PB129912TB

Tot Ion: 99 Resp: 1785185

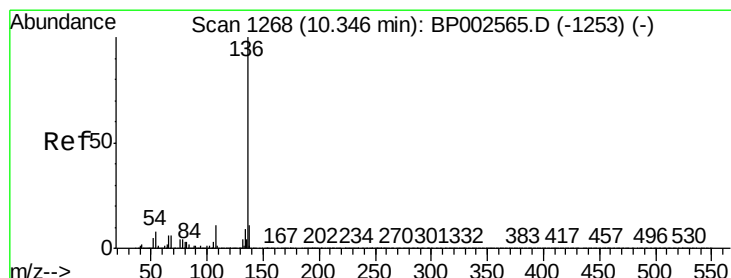
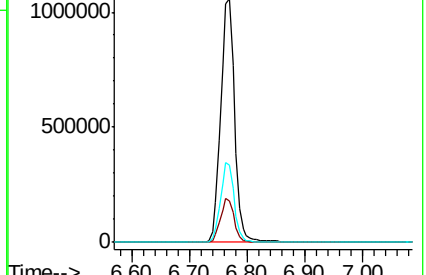
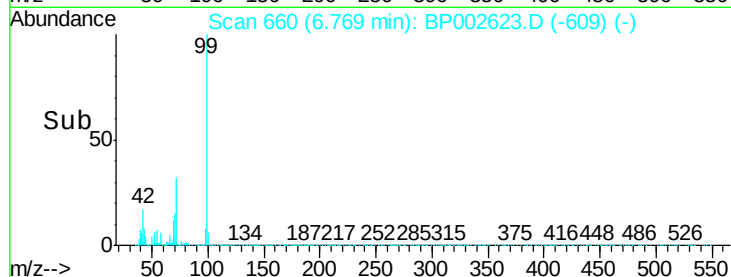
Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.5	23.3
71	31.9	28.9	43.3



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: 10.35 min Scan# 1268

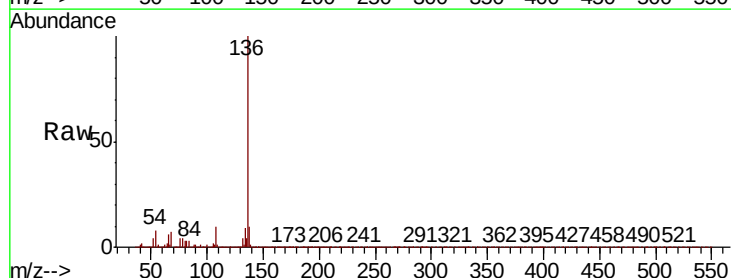
Delta R.T. -0.00 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

Tgt Ion: 136 Resp: 666350

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	8.4	6.4	9.6
68	7.0	5.1	7.7

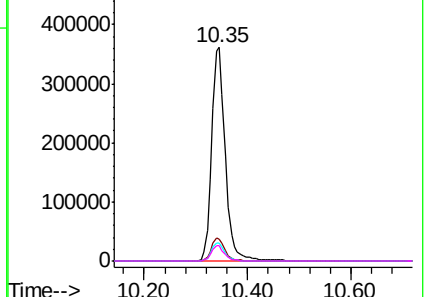
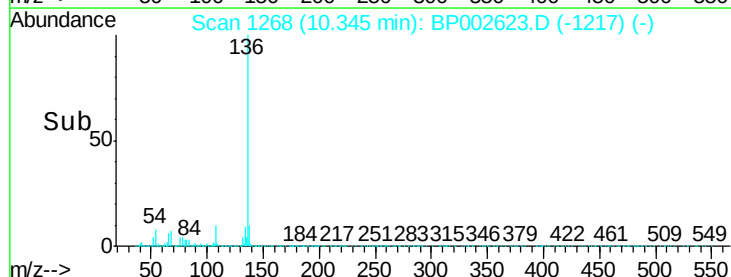


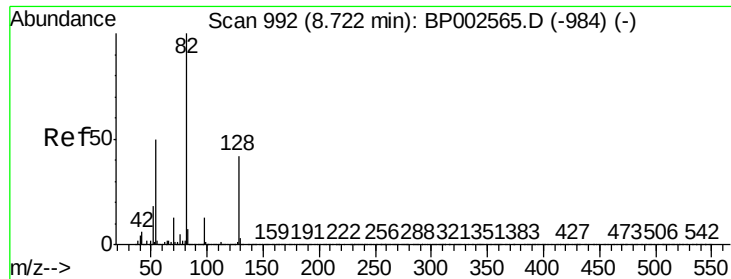
Abundance Ion 136.00 (135.70 to 136.70): E

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

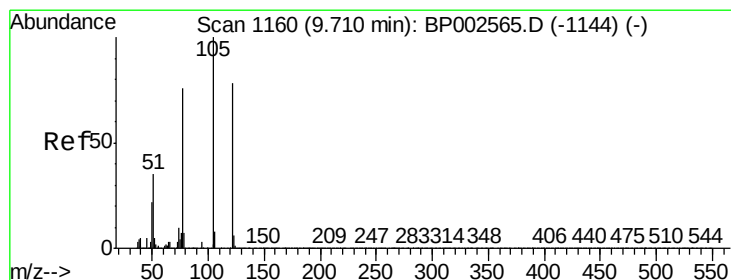
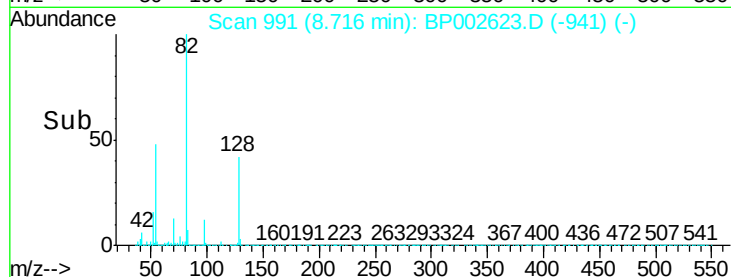
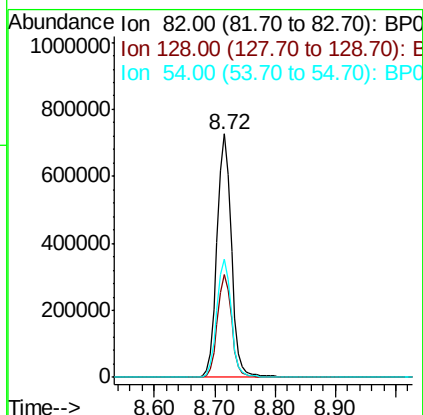
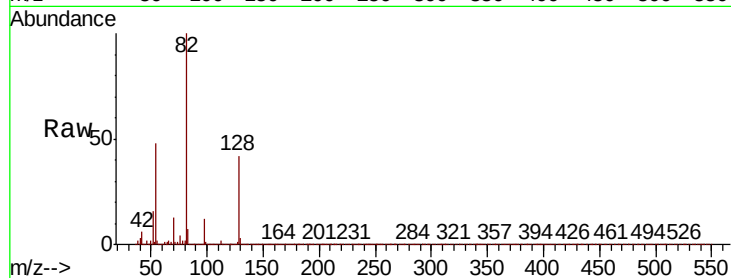




#23
Nitrobenzene-d5
Concen: 92.737 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002623.D
Acq: 02 Jul 2020 10:39

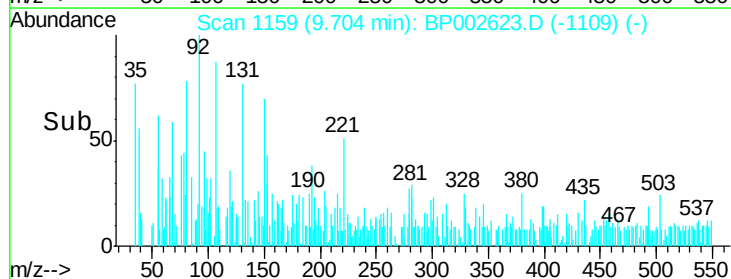
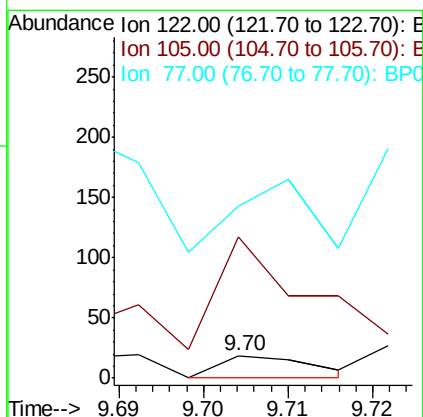
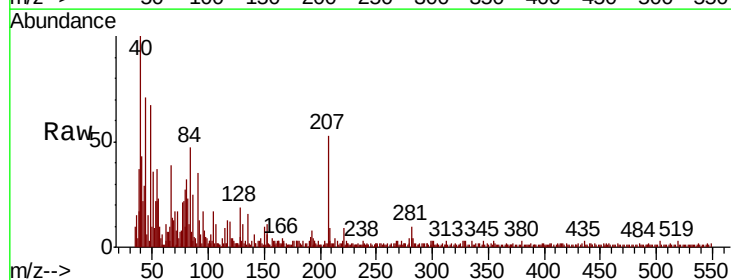
Instrument :
BNA_P
ClientSampleId :
PB129912TB

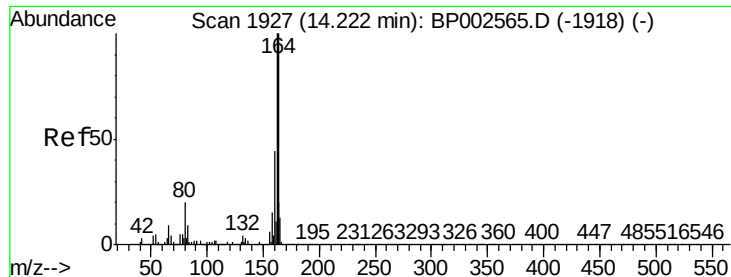
Tot Ion: 82 Resp: 1199320
Ion Ratio Lower Upper
82 100
128 42.5 33.4 50.2
54 48.5 40.1 60.1



#32
Benzoic acid
Concen: 8.701 ng
RT: 9.70 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BP002623.D
Acq: 02 Jul 2020 10:39

Tgt Ion: 122 Resp: 14
Ion Ratio Lower Upper
122 100
105 615.8 106.6 146.6#
77 752.6 76.5 116.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1927

Delta R.T. -0.00 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

Instrument :

BNA_P

ClientSampleId :

PB129912TB

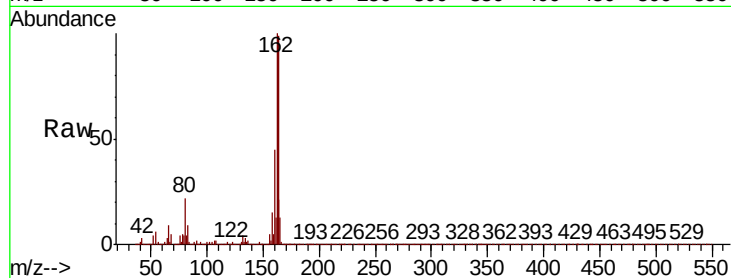
Tot Ion:164 Resp: 418210

Ion Ratio Lower Upper

164 100

162 100.6 80.3 120.5

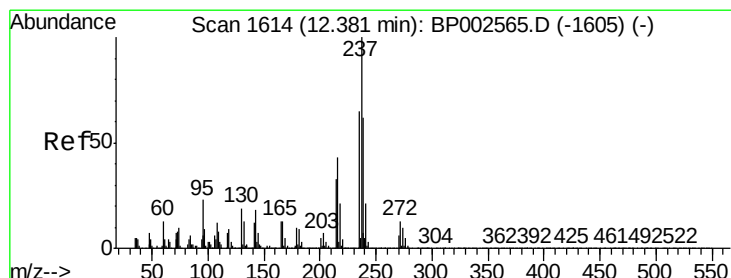
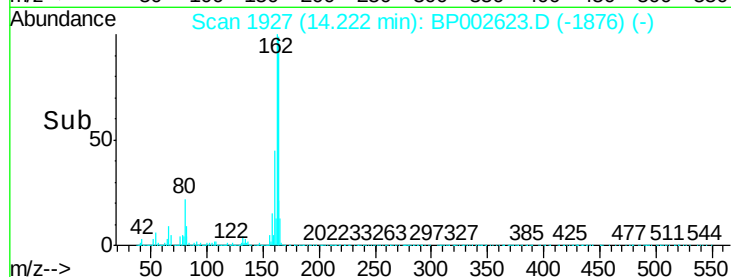
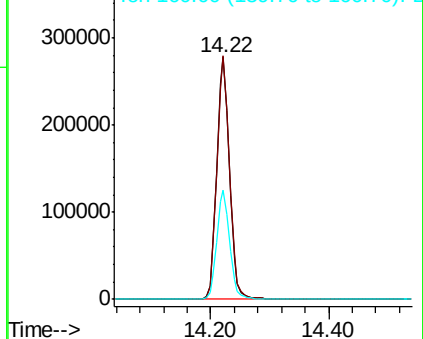
160 45.4 35.0 52.6



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: 4.391 ng

RT: 12.42 min Scan# 1621

Delta R.T. 0.04 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

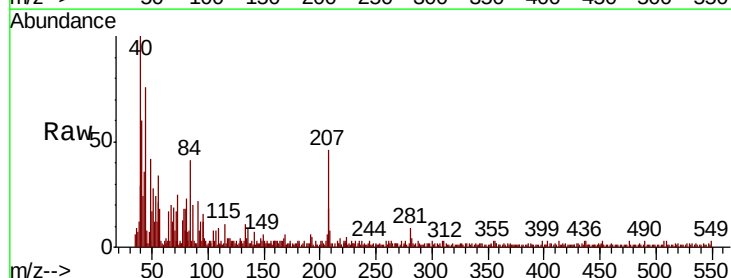
Tgt Ion:237 Resp: 69

Ion Ratio Lower Upper

237 100

235 74.2 45.4 85.4

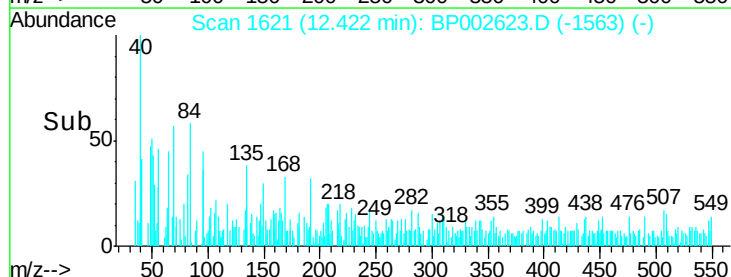
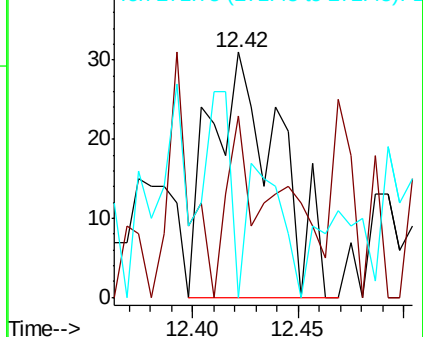
272 0.0 0.0 32.6

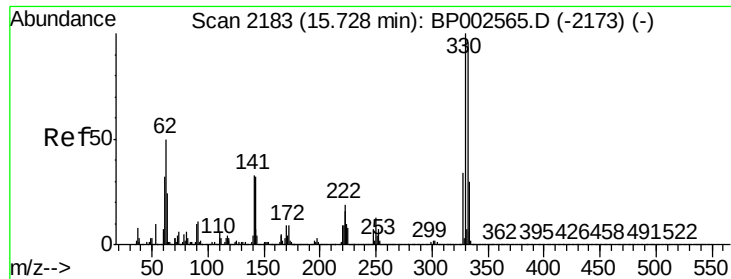


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

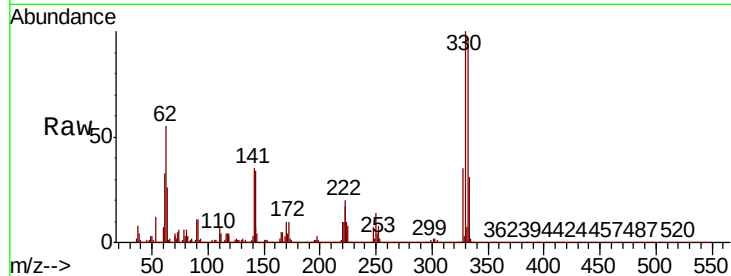




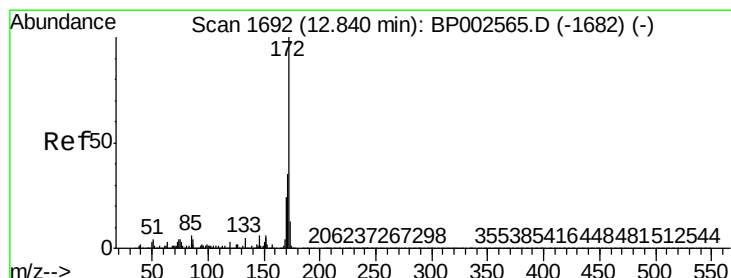
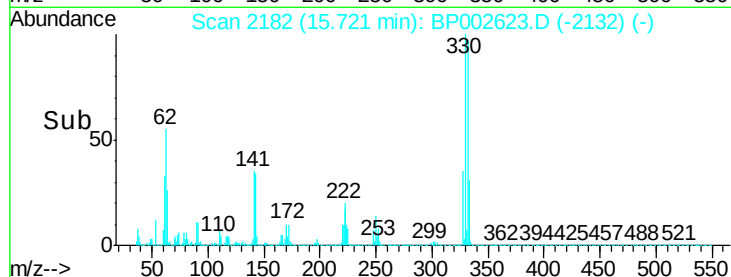
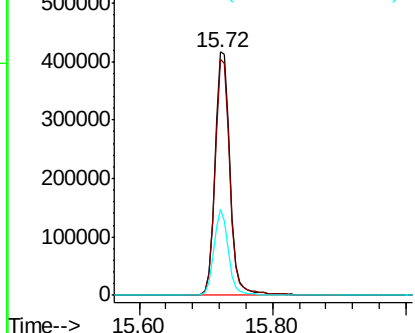
#42
2,4,6-Tribromophenol
Concen: 130.450 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002623.D
Acq: 02 Jul 2020 10:39

Instrument :
BNA_P
ClientSampleId :
PB129912TB

Tot Ion:330 Resp: 663550
Ion Ratio Lower Upper
330 100
332 96.0 77.7 116.5
141 34.4 29.0 43.6

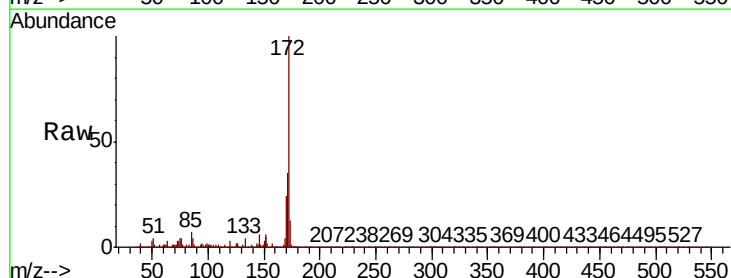


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

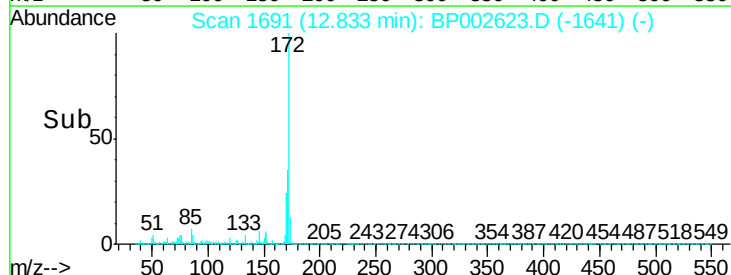
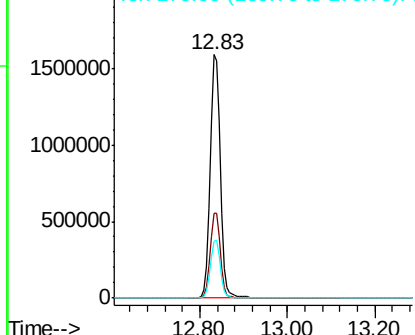


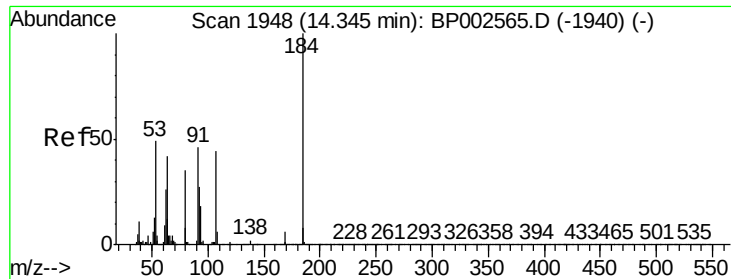
#45
2-Fluorobiphenyl
Concen: 91.017 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002623.D
Acq: 02 Jul 2020 10:39

Tgt Ion:172 Resp: 2586186
Ion Ratio Lower Upper
172 100
171 34.6 28.0 42.0
170 23.6 19.0 28.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

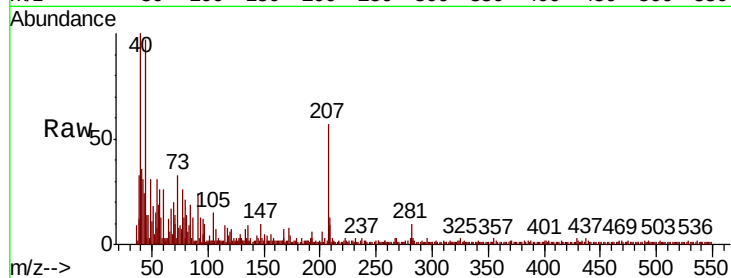




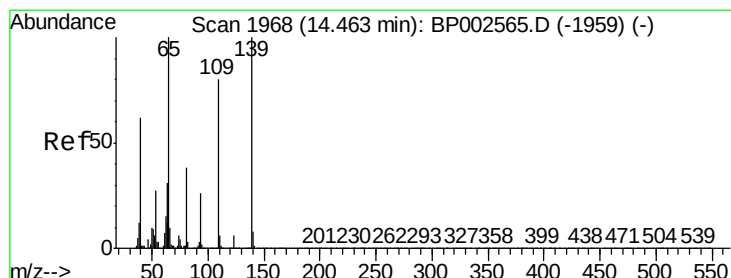
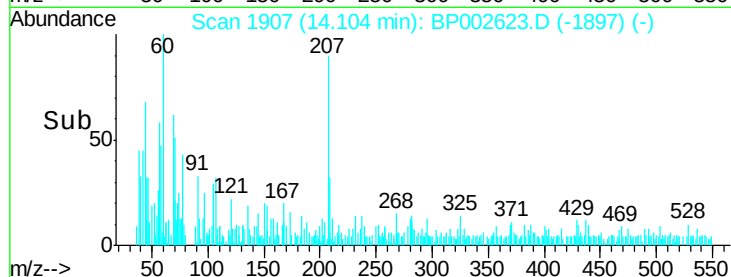
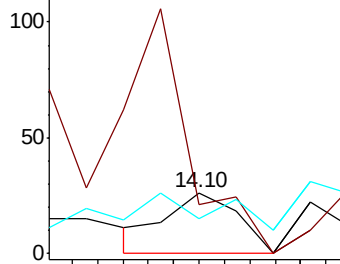
#54
2,4-Dinitrophenol
Concen: 6.013 ng
RT: 14.10 min Scan# 1907
Delta R.T. -0.24 min
Lab File: BP002623.D
Acq: 02 Jul 2020 10:39

Instrument :
BNA_P
ClientSampleId :
PB129912TB

Tot Ion:184 Resp: 20
Ion Ratio Lower Upper
184 100
63 80.8 56.2 84.2
154 57.7 50.9 76.3

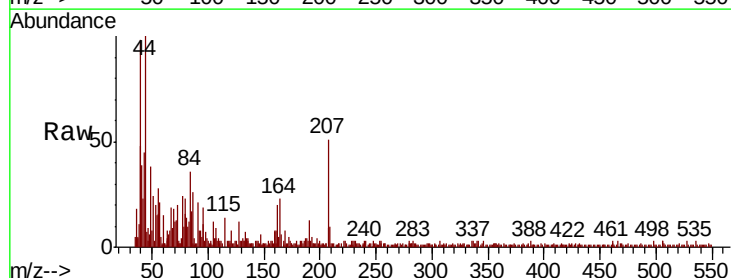


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 154.00 (153.70 to 154.70): E

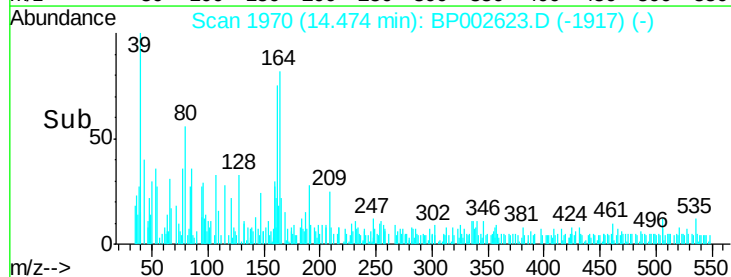
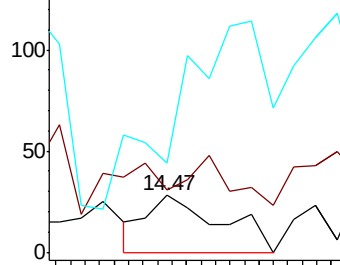


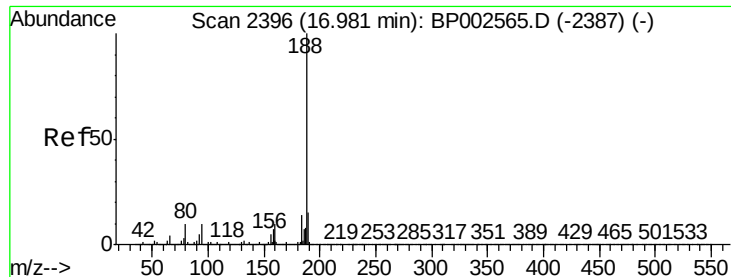
#56
4-Nitrophenol
Concen: 2.442 ng
RT: 14.47 min Scan# 1970
Delta R.T. 0.01 min
Lab File: BP002623.D
Acq: 02 Jul 2020 10:39

Tgt Ion:139 Resp: 40
Ion Ratio Lower Upper
139 100
109 110.7 60.1 100.1#
65 157.1 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: 16.98 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

Instrument :

BNA_P

ClientSampleId :

PB129912TB

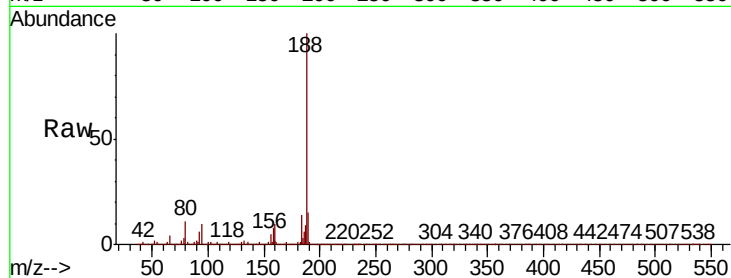
Tot Ion:188 Resp: 903093

Ion Ratio Lower Upper

188 100

94 10.3 7.8 11.6

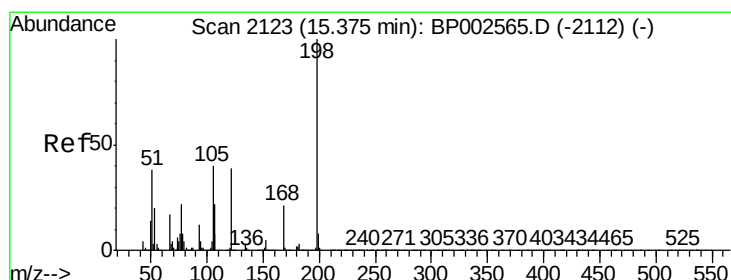
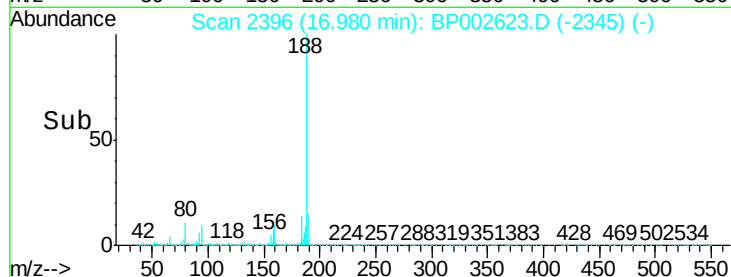
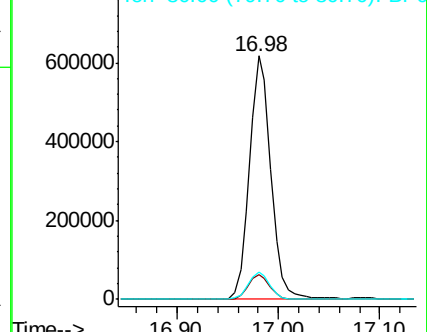
80 11.0 8.2 12.4



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: 2.713 ng

RT: 15.39 min Scan# 2125

Delta R.T. 0.01 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

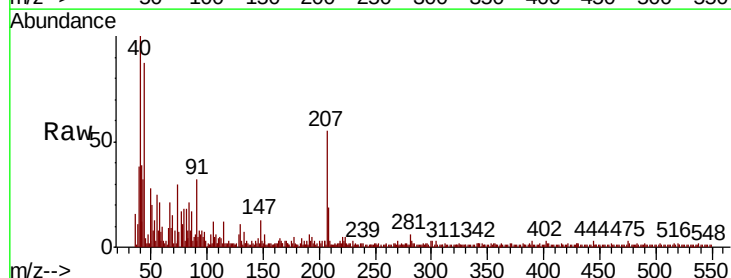
Tgt Ion:198 Resp: 18

Ion Ratio Lower Upper

198 100

51 883.3 24.2 64.2#

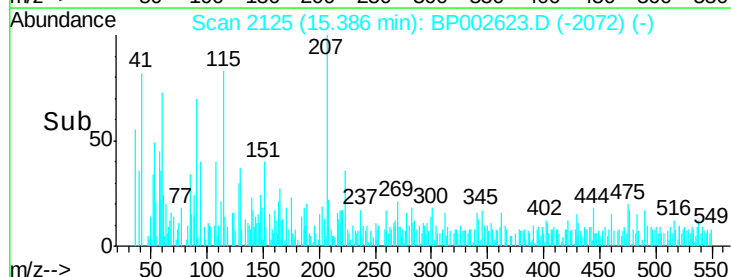
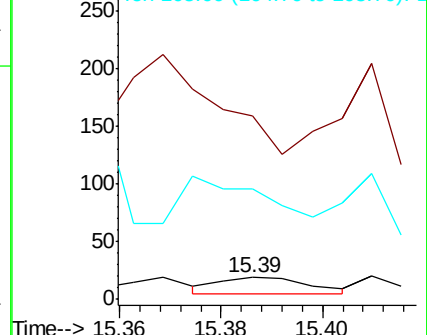
105 527.8 20.7 60.7#

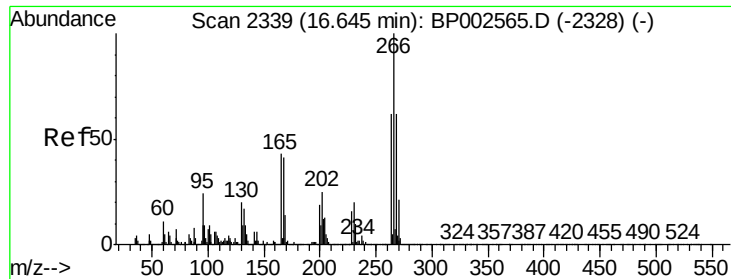


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E





#70

Pentachlorophenol

Concen: 2.667 ng

RT: 16.69 min Scan# 2347

Delta R.T. 0.05 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

Instrument :

BNA_P

ClientSampleId :

PB129912TB

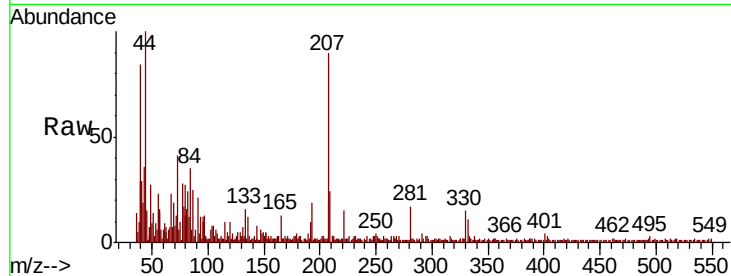
Tot Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

268 59.5 49.7 74.5

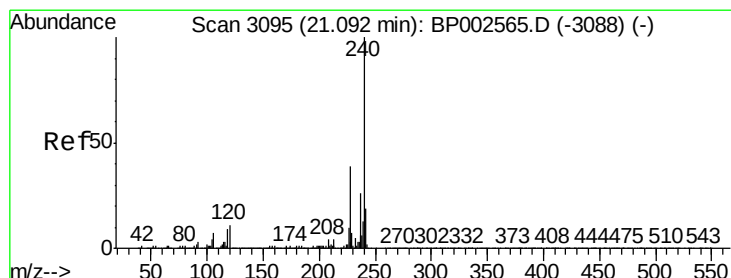
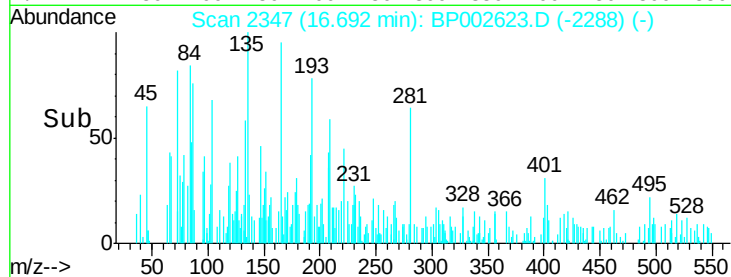
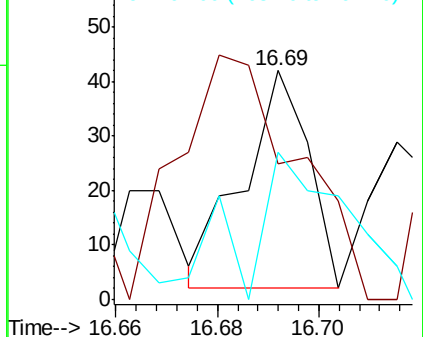
264 64.3 49.3 73.9



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3094

Delta R.T. -0.01 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

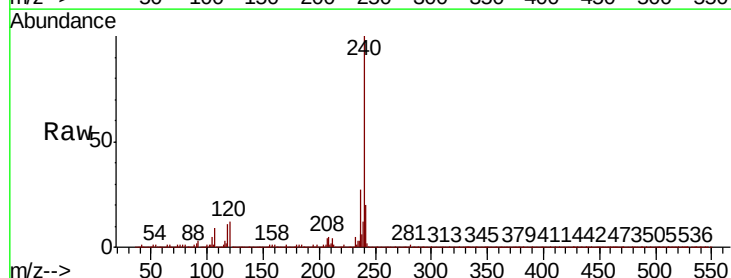
Tgt Ion:240 Resp: 898402

Ion Ratio Lower Upper

240 100

120 12.4 8.6 13.0

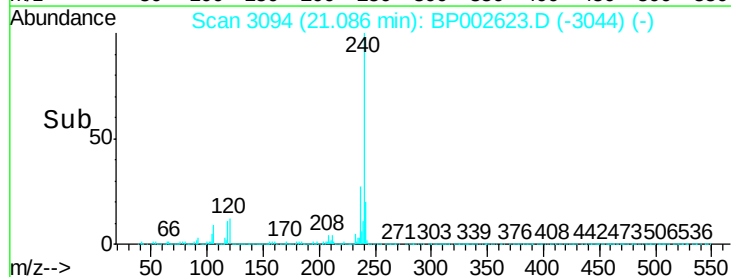
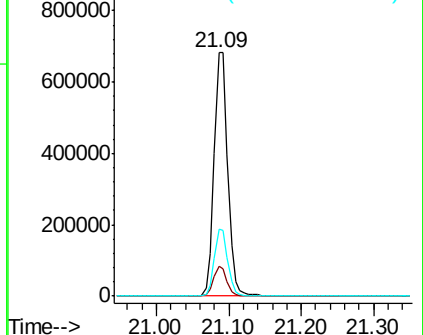
236 27.3 20.8 31.2

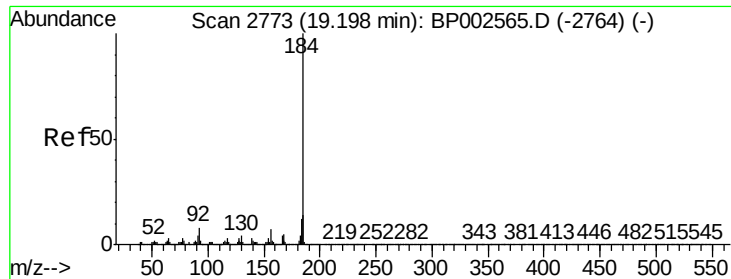


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.758 ng

RT: 19.17 min Scan# 2768

Delta R.T. -0.03 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

Instrument :

BNA_P

ClientSampleId :

PB129912TB

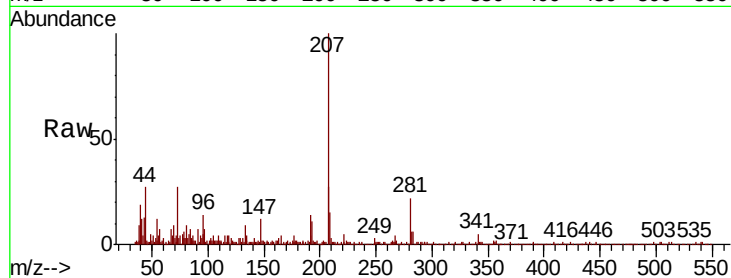
Tot Ion:184 Resp: 77

Ion Ratio Lower Upper

184 100

185 57.5 11.4 17.2#

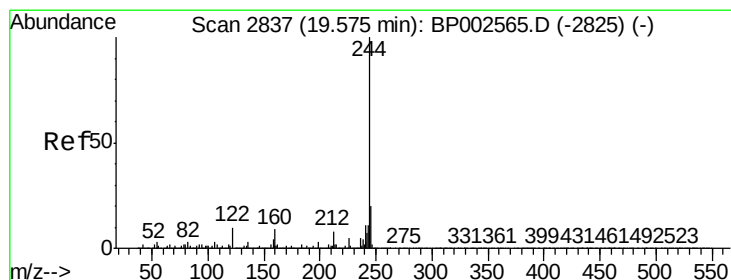
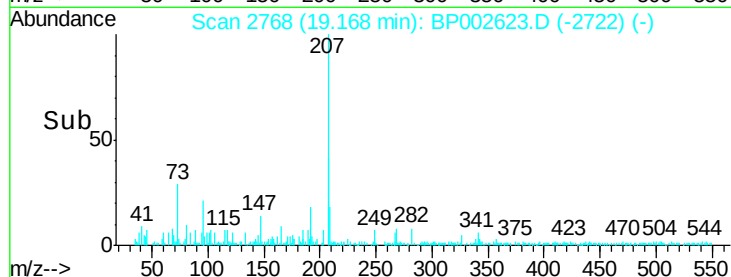
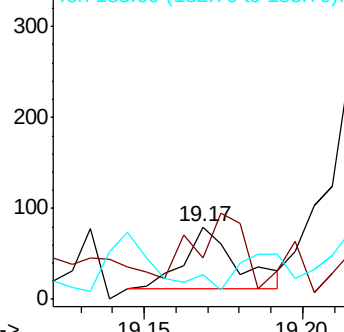
183 33.8 9.2 13.8#



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



#79

Terphenyl-d14

Concen: 91.396 ng

RT: 19.57 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BP002623.D

Acq: 02 Jul 2020 10:39

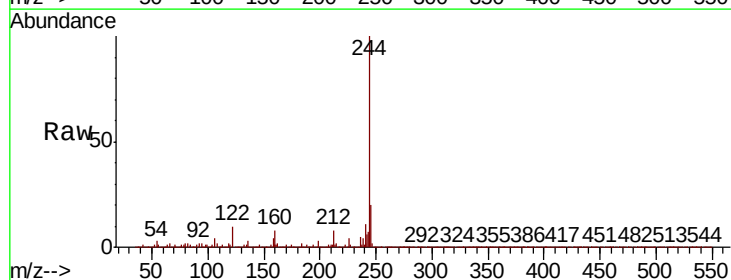
Tgt Ion:244 Resp: 3804091

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

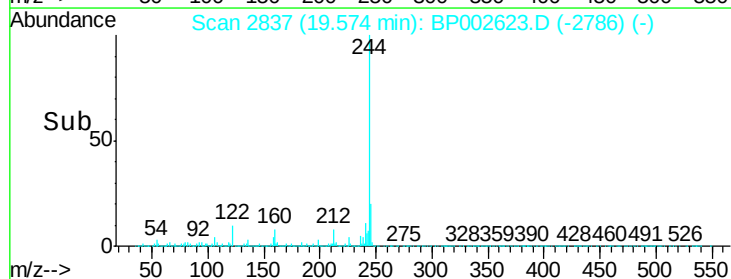
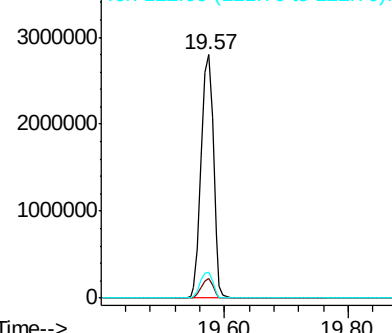
122 10.4 7.9 11.9

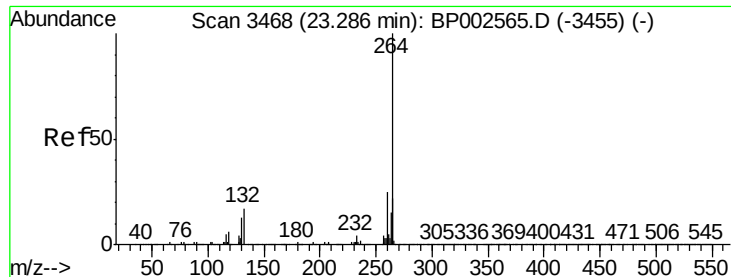


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BP002623.D
Acq: 02 Jul 2020 10:39

Instrument :
BNA_P
ClientSampleId :
PB129912TB

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.7	29.5
265	22.3	17.6	26.4

