

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
 Data File : BP002601.D
 Acq On : 01 Jul 2020 13:18
 Operator : CG/JU
 Sample : PB129891BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB129891BL

Quant Time: Jul 01 14:21:22 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

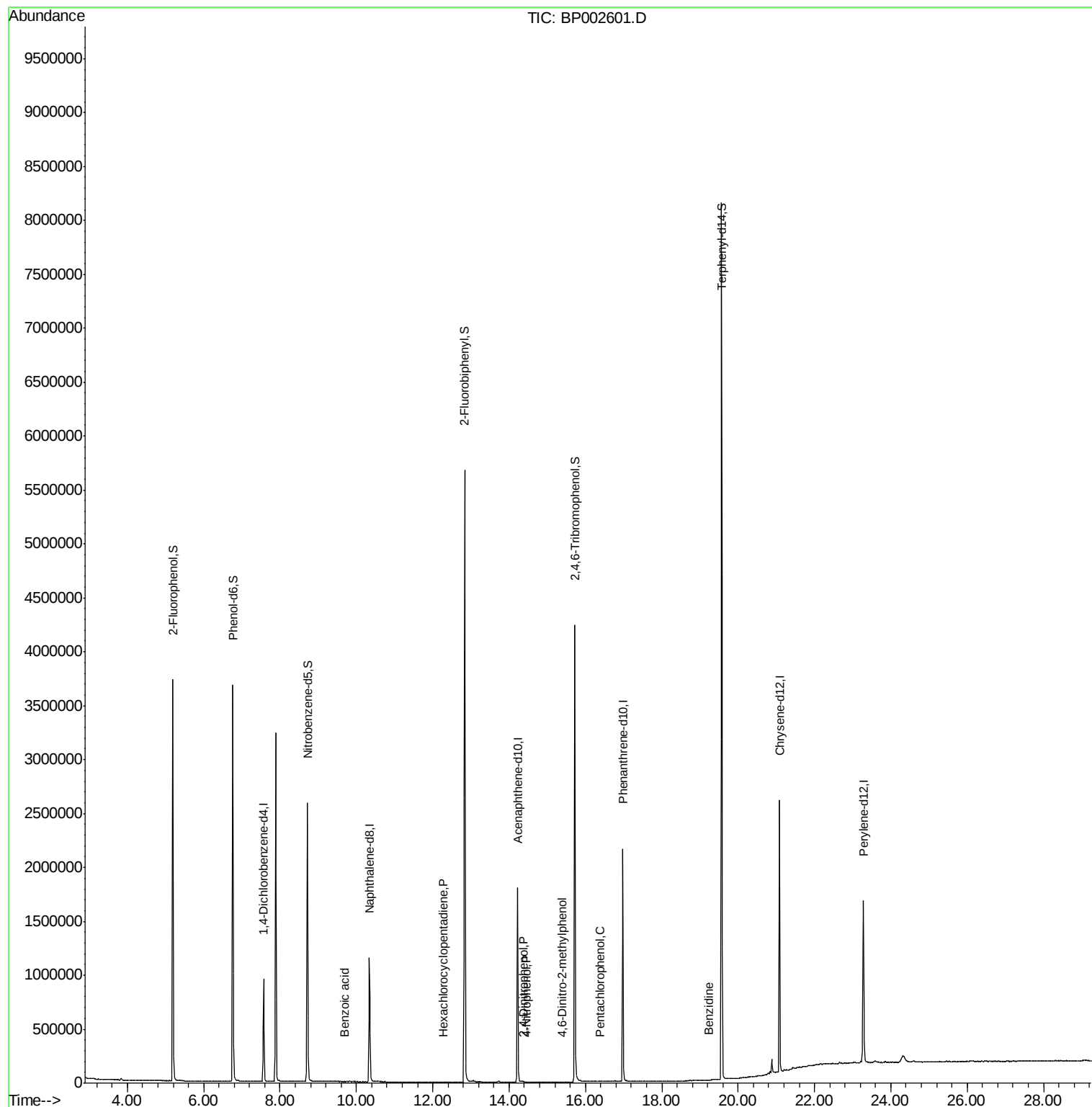
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	248592	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1010797	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	629671	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	1339844	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1194699	20.00	ng	0.00
86) Perylene-d12	23.28	264	1029164	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1681736	114.54	ng	0.00
7) Phenol-d6	6.76	99	2215222	108.10	ng	0.00
23) Nitrobenzene-d5	8.72	82	1532074	78.10	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	820412	107.12	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	3208189	74.99	ng	0.00
79) Terphenyl-d14	19.57	244	4283115	77.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.70	77	116	Below Cal	Qvalue	# 23
32) Benzoic acid	9.69	122	18	8.701 ng	#	1
41) Hexachlorocyclopentadiene	12.27	237	10	4.383 ng		93
54) 2,4-Dinitrophenol	14.39	184	18	6.011 ng		95
56) 4-Nitrophenol	14.46	139	41	2.440 ng	#	76
65) 4,6-Dinitro-2-methylphenol	15.38	198	20	2.712 ng	#	1
70) Pentachlorophenol	16.39	266	13	2.663 ng		89
77) Benzidine	19.22	184	1214	3.778 ng	#	90

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

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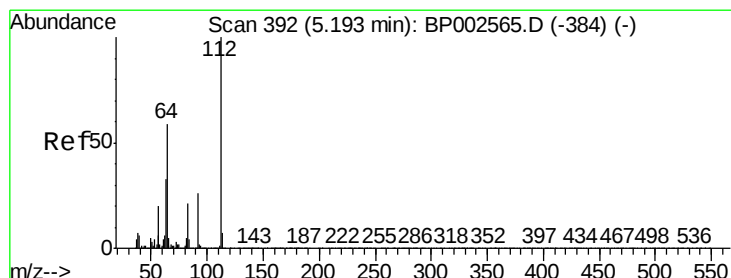
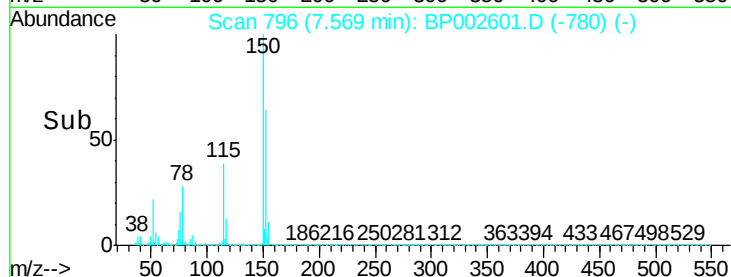
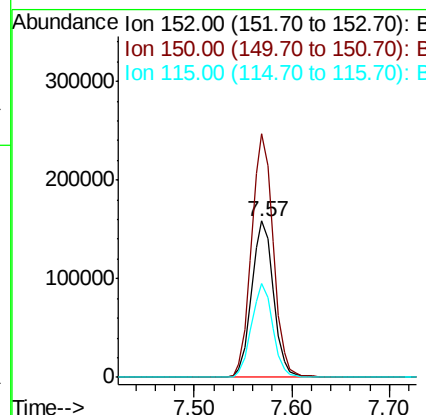
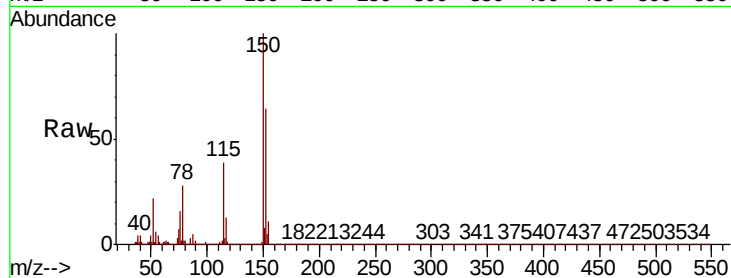


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002601.D
Acq: 01 Jul 2020 13:18

Instrument :
BNA_P
ClientSampleId :
PB129891BL

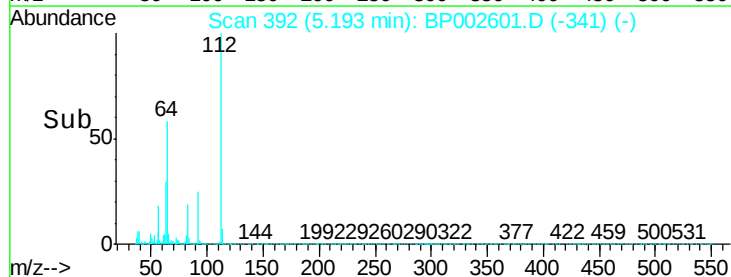
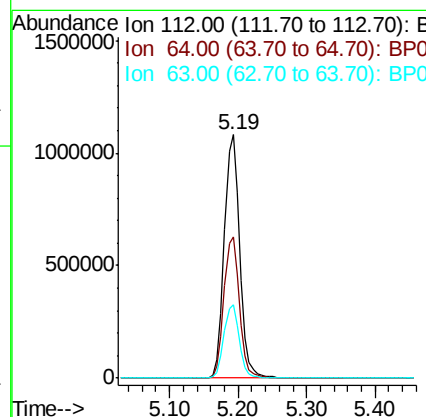
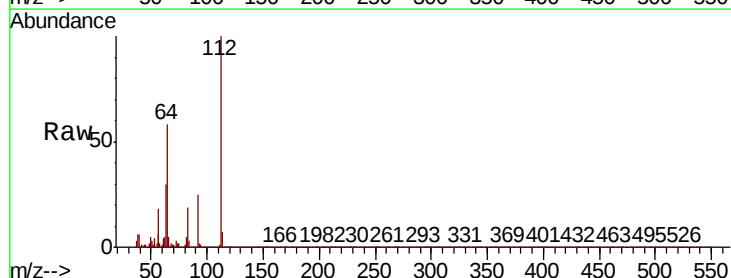
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.2	186.2
115	60.3	47.1	70.7

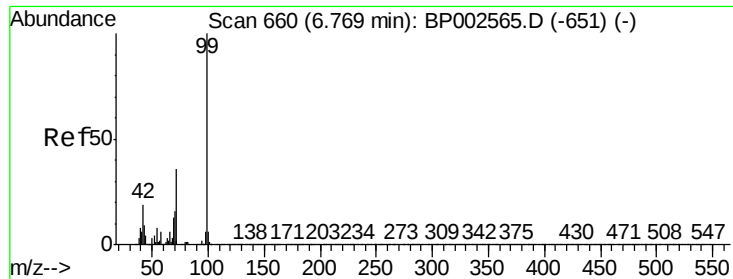


#5

2-Fluorophenol
Concen: 114.540 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002601.D
Acq: 01 Jul 2020 13:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.0	70.6
63	30.1	26.1	39.1





#7

Phenol-d6

Concen: 108.096 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

Instrument :

BNA_P

ClientSampleId :

PB129891BL

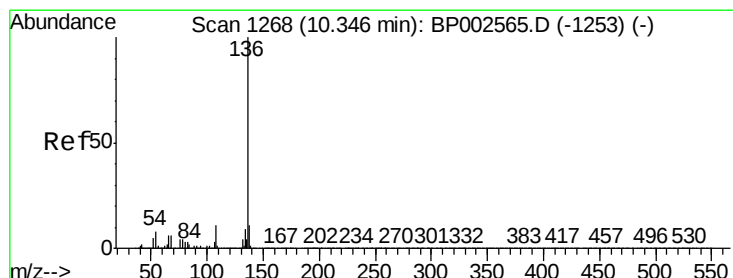
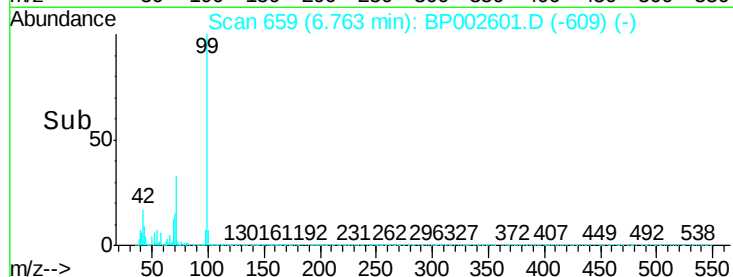
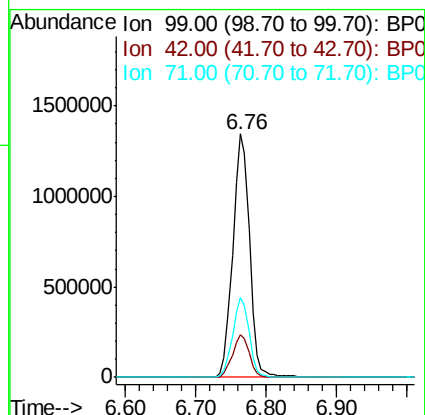
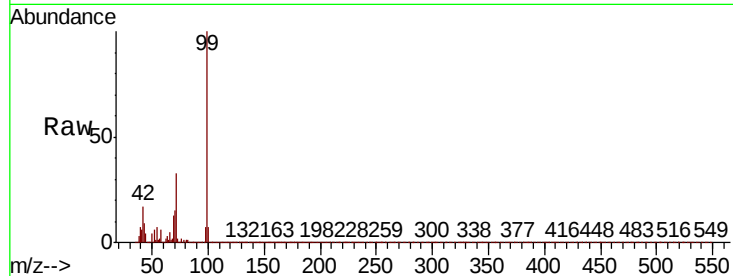
Tot Ion: 99 Resp: 2215222

Ion Ratio Lower Upper

99 100

42 17.5 15.5 23.3

71 32.6 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: BP002601.D

Acq: 01 Jul 2020 13:18

Tgt Ion: 136 Resp: 1010797

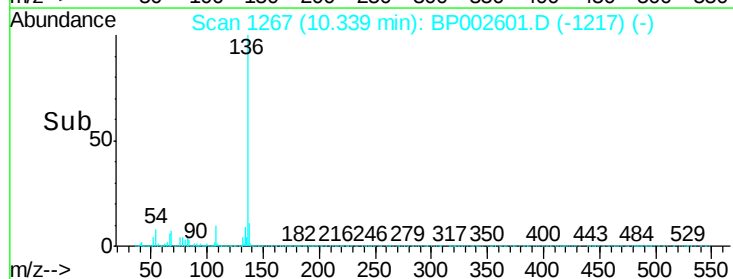
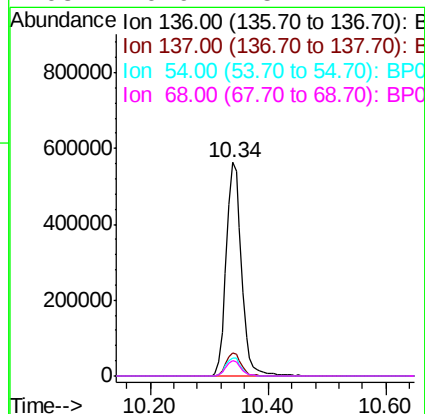
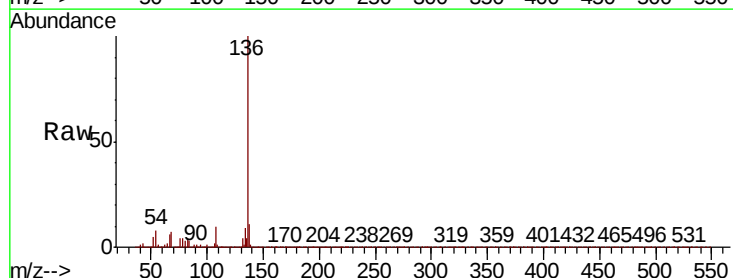
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.5 6.4 9.6

68 6.9 5.1 7.7

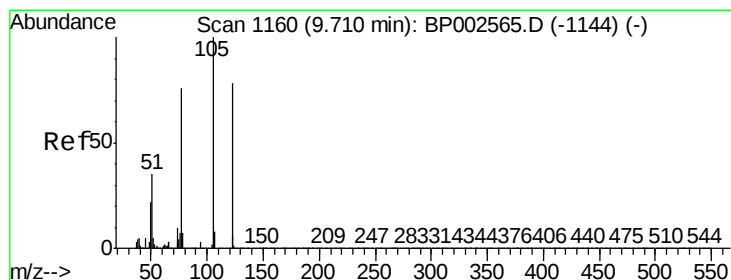
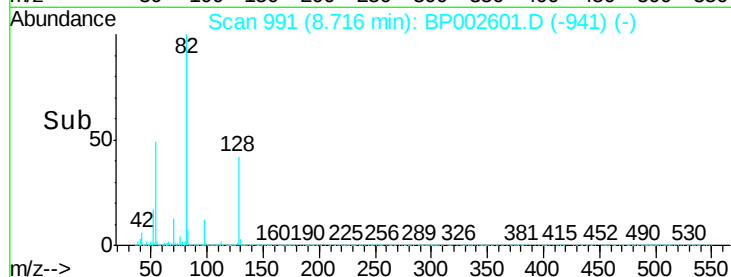
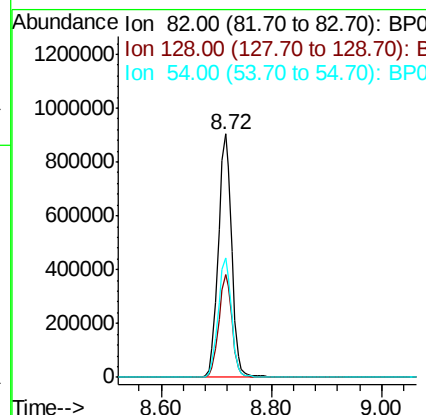
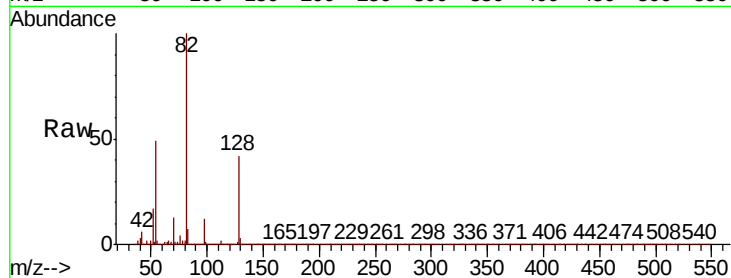




#23
 Nitrobenzene-d5
 Concen: 78.097 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002601.D
 Acq: 01 Jul 2020 13:18

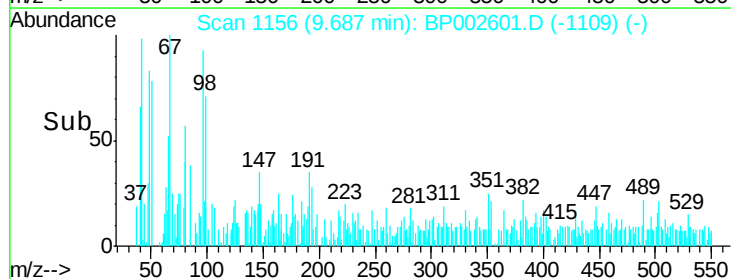
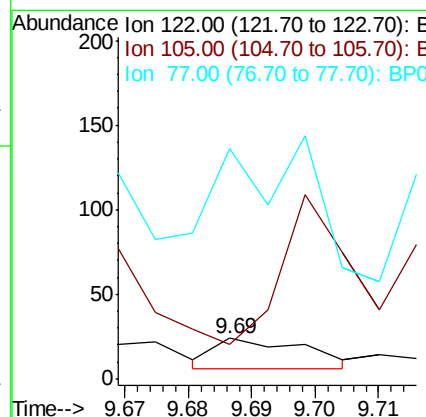
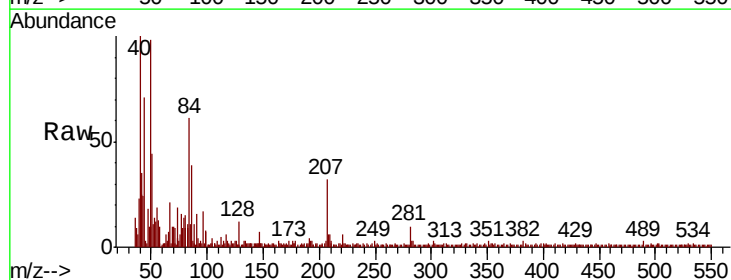
Instrument :
 BNA_P
 ClientSampleId :
 PB129891BL

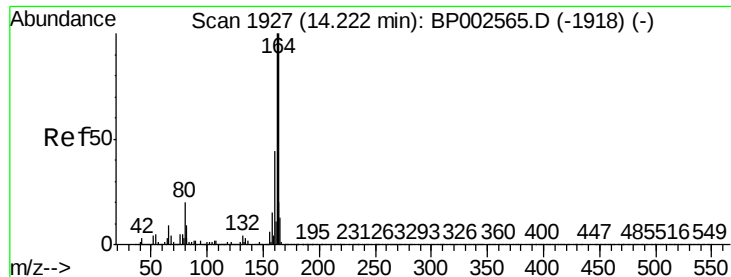
Tot Ion: 82 Resp: 1532074
 Ion Ratio Lower Upper
 82 100
 128 42.2 33.4 50.2
 54 49.1 40.1 60.1



#32
 Benzoic acid
 Concen: 8.701 ng
 RT: 9.69 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: BP002601.D
 Acq: 01 Jul 2020 13:18

Tgt Ion: 122 Resp: 18
 Ion Ratio Lower Upper
 122 100
 105 83.3 106.6 146.6#
 77 566.7 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: BP002601.D

Acq: 01 Jul 2020 13:18

Instrument :

BNA_P

ClientSampled :

PB129891BL

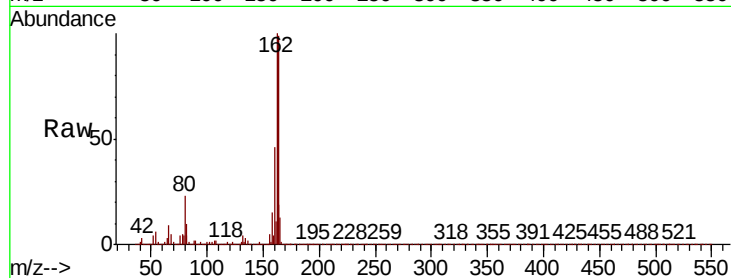
Tot Ion:164 Resp: 629671

Ion Ratio Lower Upper

164 100

162 100.8 80.3 120.5

160 45.9 35.0 52.6



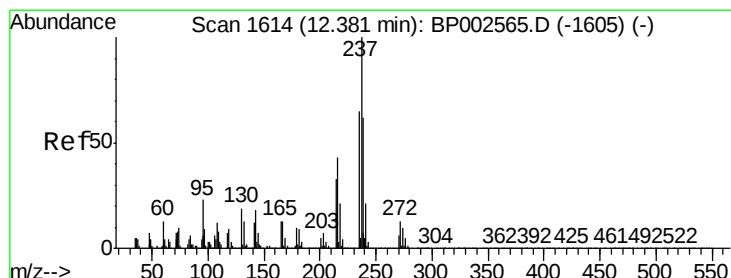
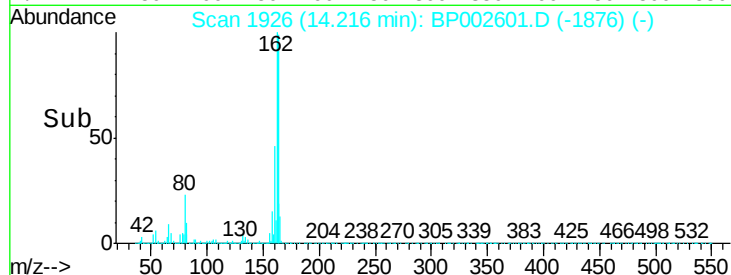
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.22

Time-->



#41

Hexachlorocyclopentadiene

Concen: 4.383 ng

RT: 12.27 min Scan# 1595

Delta R.T. -0.11 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

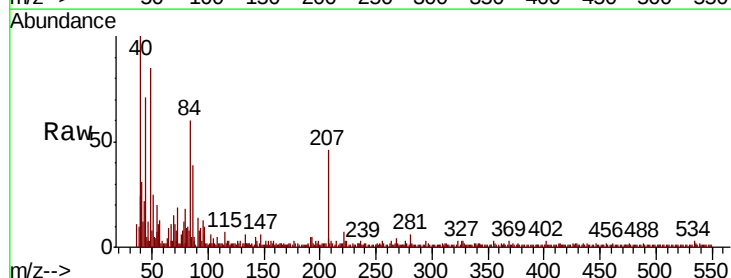
Tgt Ion:237 Resp: 10

Ion Ratio Lower Upper

237 100

235 63.6 45.4 85.4

272 0.0 0.0 32.6



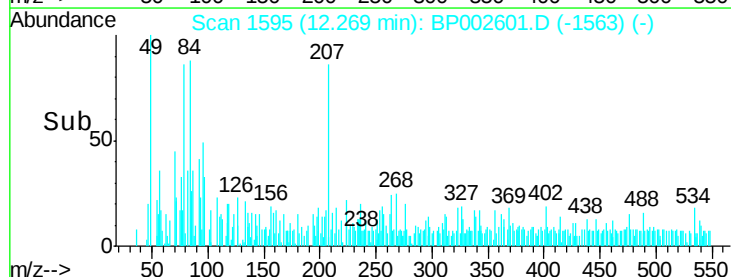
Abundance Ion 236.80 (236.50 to 237.50): E

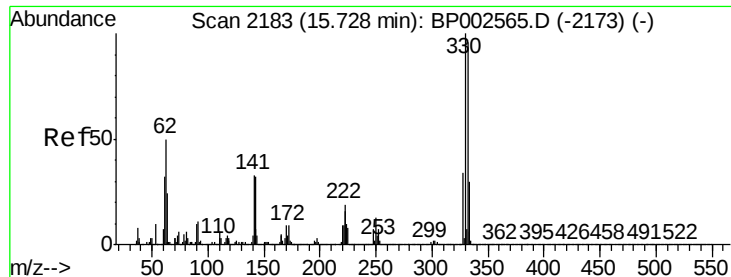
Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

12.27

Time-->

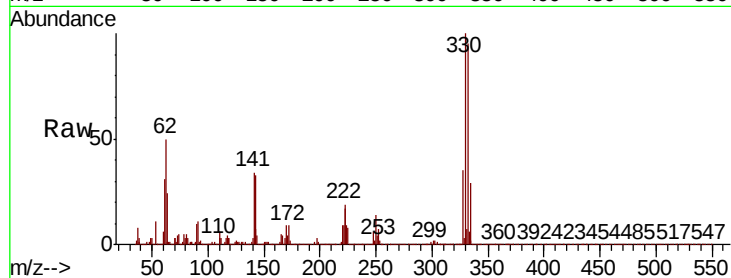




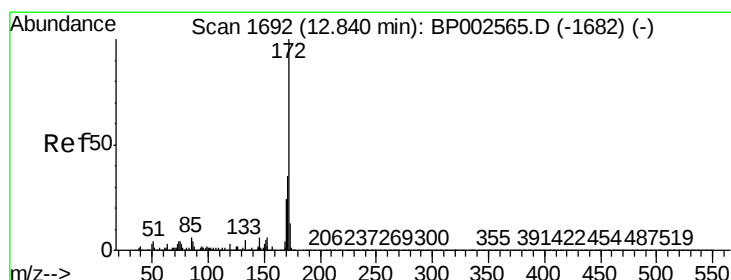
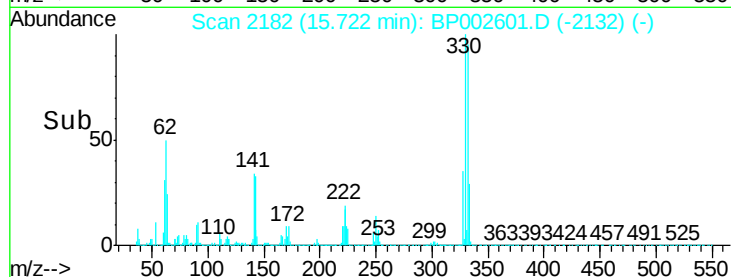
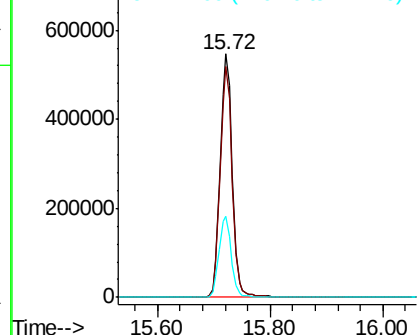
#42
2,4,6-Tribromophenol
Concen: 107.123 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002601.D
Acq: 01 Jul 2020 13:18

Instrument :
BNA_P
ClientSampleId :
PB129891BL

Tot Ion:330 Resp: 820412
Ion Ratio Lower Upper
330 100
332 94.8 77.7 116.5
141 34.1 29.0 43.6

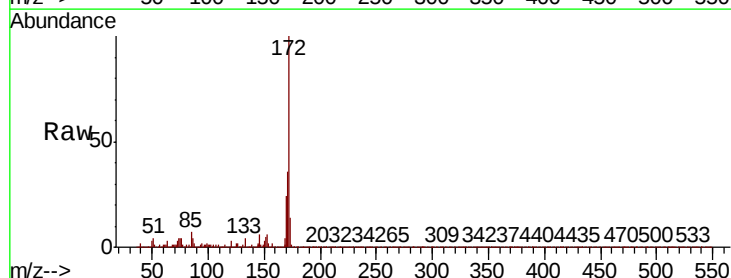


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

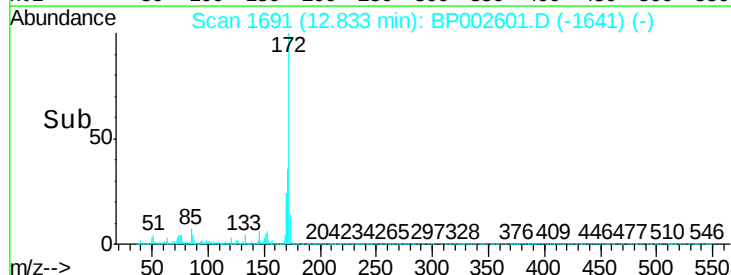
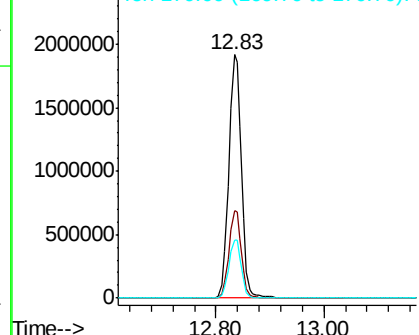


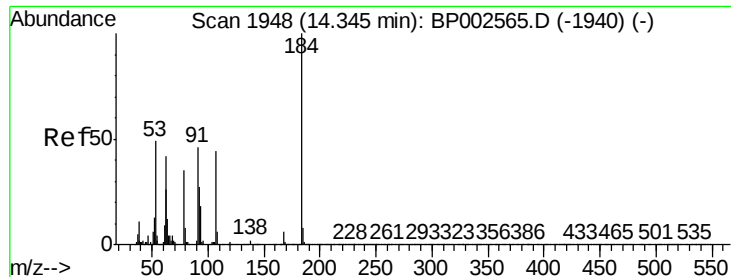
#45
2-Fluorobiphenyl
Concen: 74.990 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002601.D
Acq: 01 Jul 2020 13:18

Tgt Ion:172 Resp: 3208189
Ion Ratio Lower Upper
172 100
171 36.0 28.0 42.0
170 23.9 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

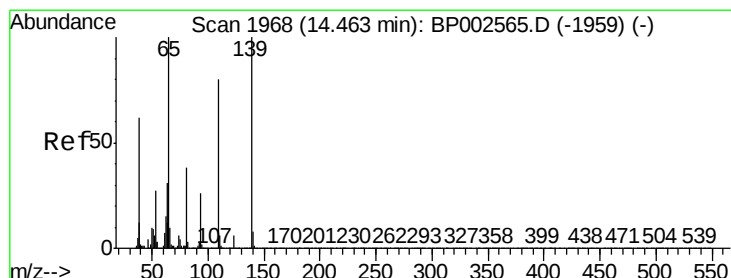
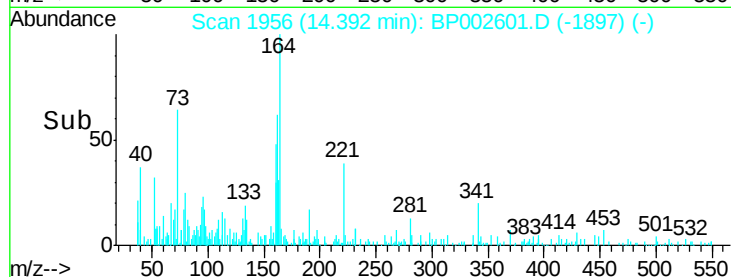
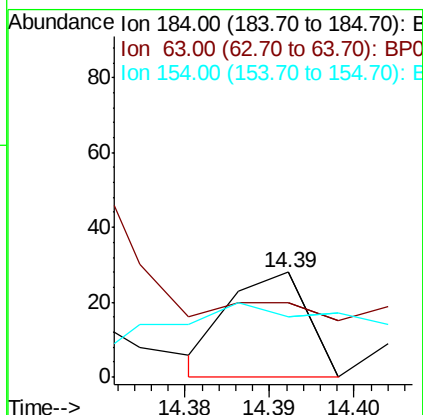
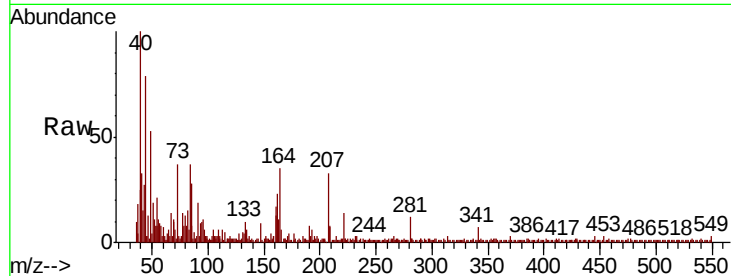




#54
2,4-Dinitrophenol
Concen: 6.011 ng
RT: 14.39 min Scan# 1956
Delta R.T. 0.05 min
Lab File: BP002601.D
Acq: 01 Jul 2020 13:18

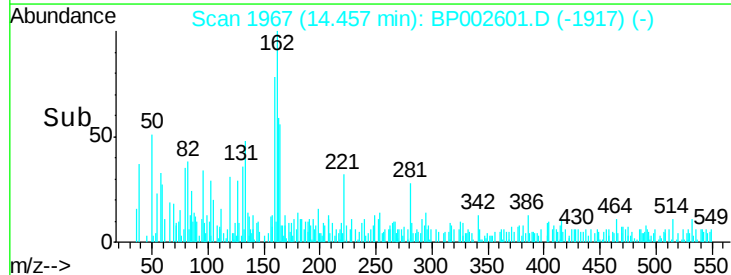
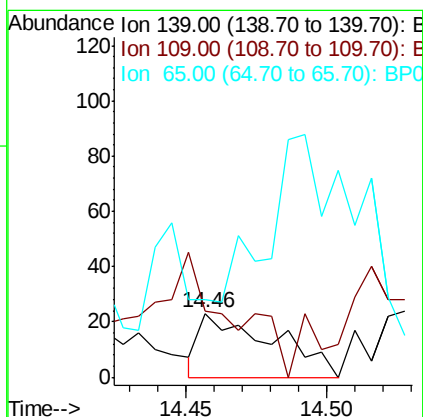
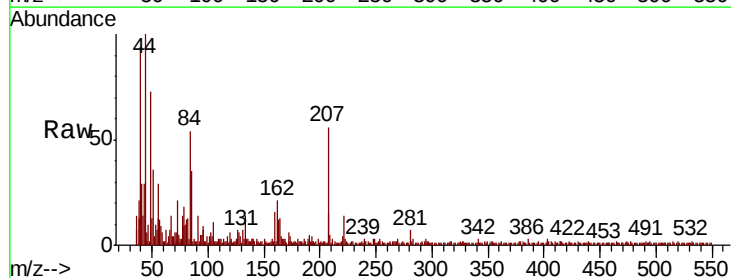
Instrument :
BNA_P
ClientSampled :
PB129891BL

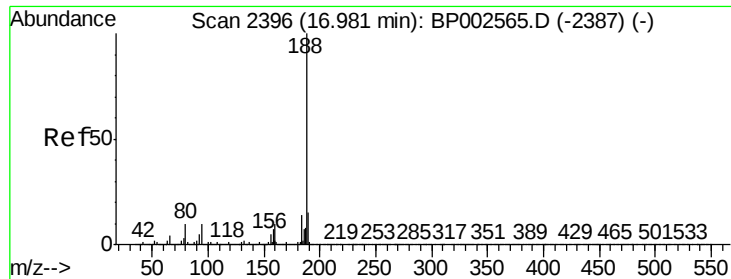
Tot Ion:184 Resp: 18
Ion Ratio Lower Upper
184 100
63 71.4 56.2 84.2
154 57.1 50.9 76.3



#56
4-Nitrophenol
Concen: 2.440 ng
RT: 14.46 min Scan# 1967
Delta R.T. -0.01 min
Lab File: BP002601.D
Acq: 01 Jul 2020 13:18

Tgt Ion:139 Resp: 41
Ion Ratio Lower Upper
139 100
109 104.3 60.1 100.1#
65 121.7 80.3 120.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.98 min Scan# 2396

Delta R.T. -0.00 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

Instrument :

BNA_P

ClientSampleId :

PB129891BL

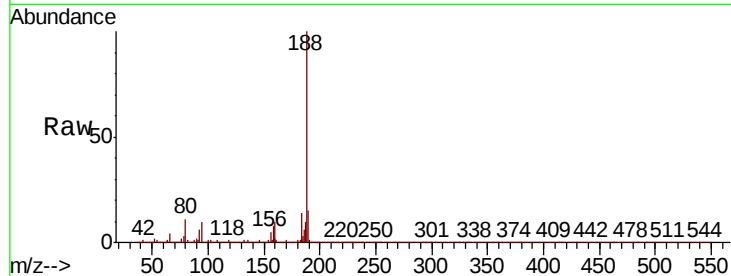
Tot Ion:188 Resp: 1339844

Ion Ratio Lower Upper

188 100

94 9.8 7.8 11.6

80 10.7 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

1200000

1000000

800000

600000

400000

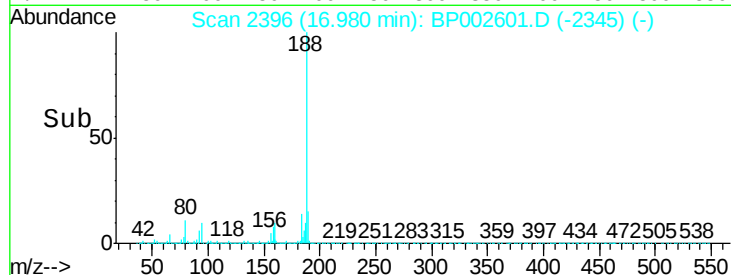
200000

0

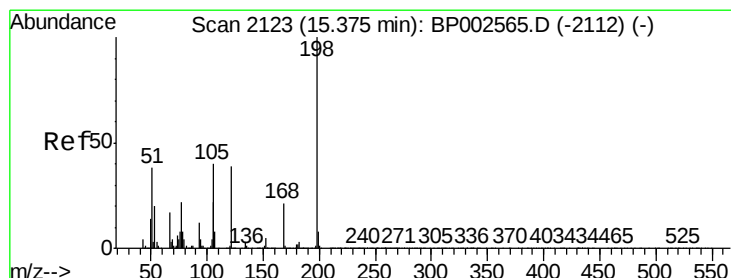
16.90

17.00

17.10



Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 2.712 ng

RT: 15.38 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

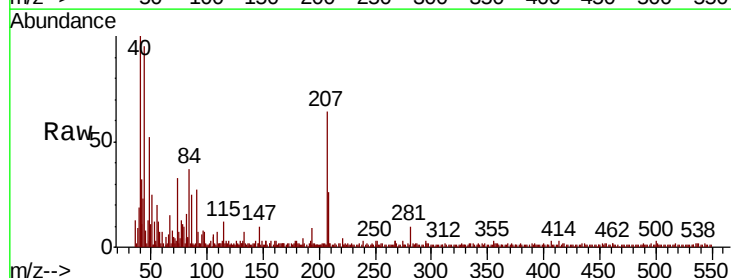
Tgt Ion:198 Resp: 20

Ion Ratio Lower Upper

198 100

51 900.0 24.2 64.2#

105 187.5 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

300

200

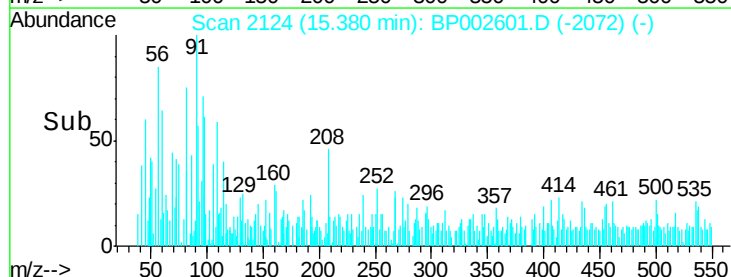
100

0

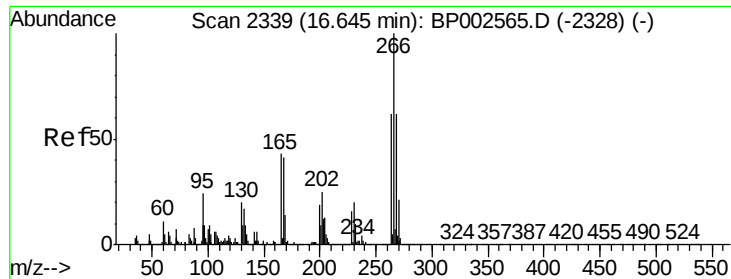
15.36

15.38

15.40



Time-->



#70

Pentachlorophenol

Concen: 2.663 ng

RT: 16.39 min Scan# 2295

Delta R.T. -0.26 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

Instrument :

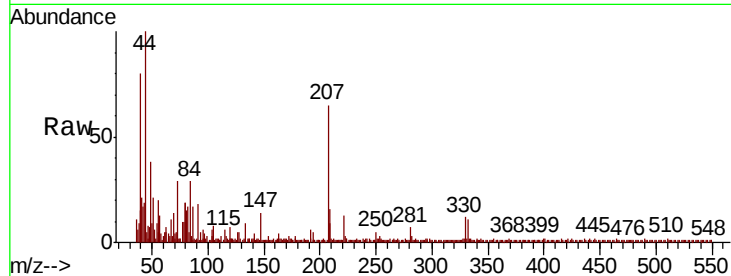
BNA_P

ClientSampleId :

PB129891BL

Tot Ion:266 Resp: 13

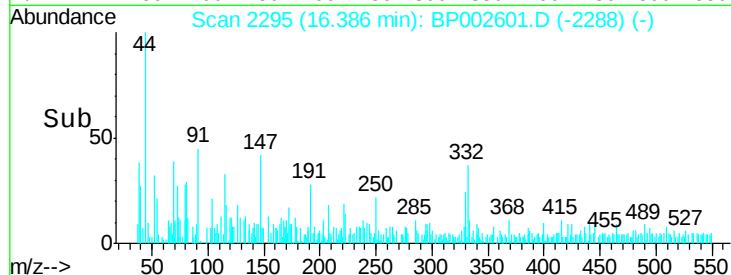
Ion	Ratio	Lower	Upper
266	100		
268	50.0	49.7	74.5
264	66.7	49.3	73.9



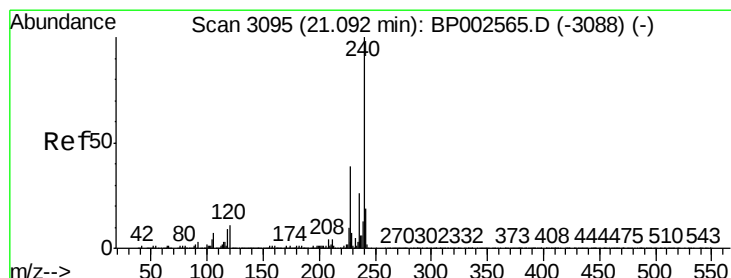
Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3094

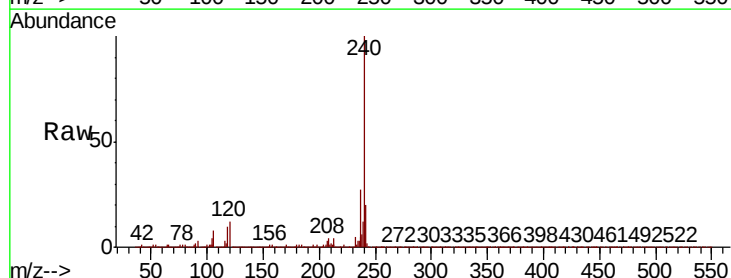
Delta R.T. -0.01 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

Tgt Ion:240 Resp: 1194699

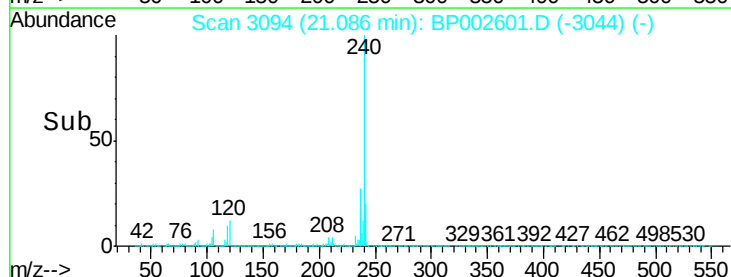
Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.6	13.0
236	27.1	20.8	31.2



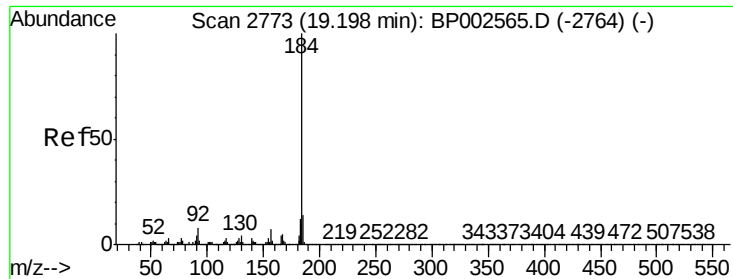
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Benzidine

Concen: 3.778 ng

RT: 19.22 min Scan# 2776

Delta R.T. 0.02 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

Instrument :

BNA_P

ClientSampleId :

PB129891BL

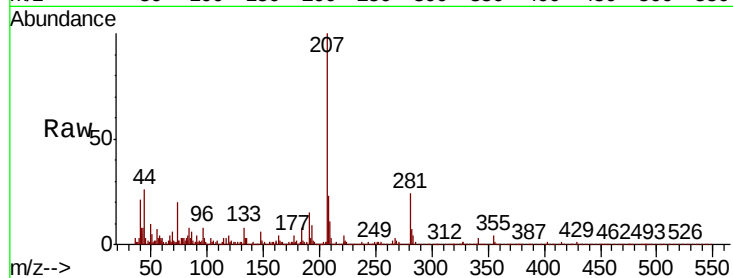
Tot Ion:184 Resp: 1214

Ion Ratio Lower Upper

184 100

185 21.4 11.4 17.2#

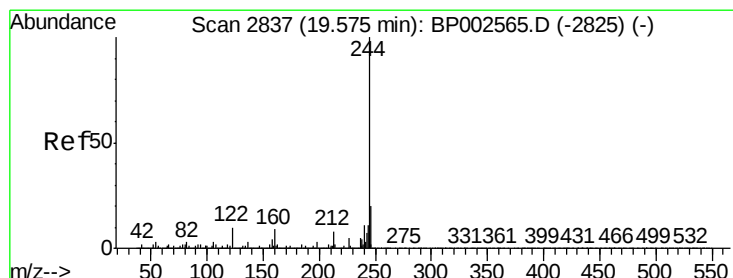
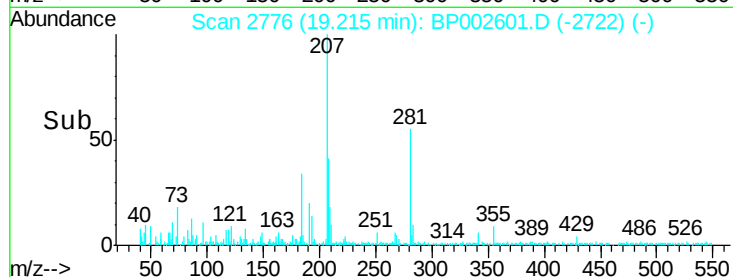
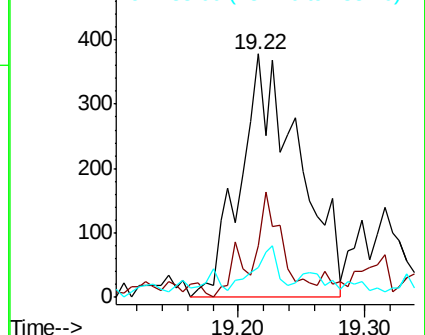
183 12.2 9.2 13.8



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: 77.384 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002601.D

Acq: 01 Jul 2020 13:18

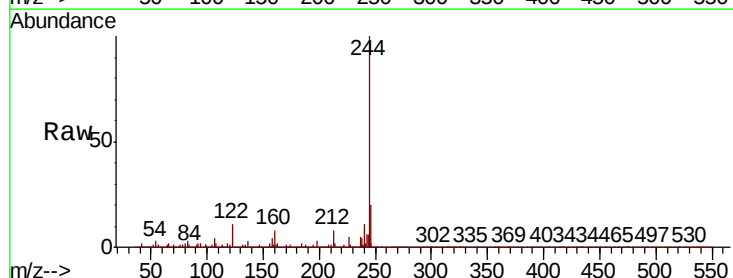
Tgt Ion:244 Resp: 4283115

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

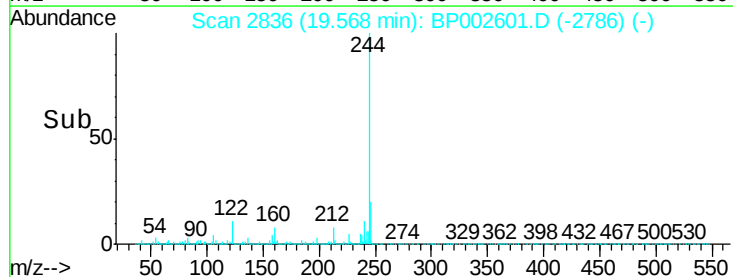
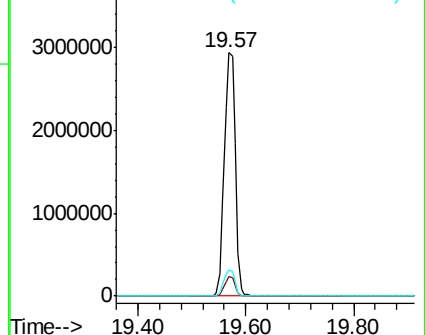
122 10.7 7.9 11.9

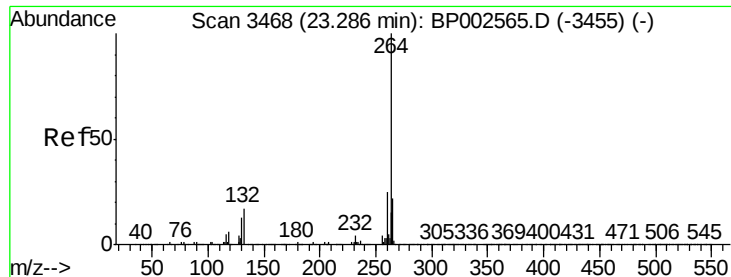


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

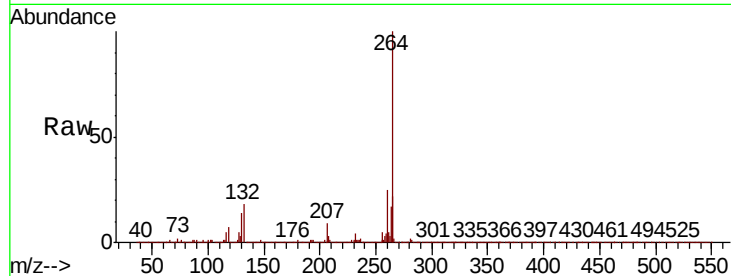




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.28 min Scan# 3467
 Delta R.T. -0.01 min
 Lab File: BP002601.D
 Acq: 01 Jul 2020 13:18

Instrument :
 BNA_P
 ClientSampleId :
 PB129891BL

Tot Ion:264 Resp: 1029164
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.7 29.5
 265 21.9 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

