

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070920\
 Data File : BP002689.D
 Acq On : 09 Jul 2020 10:05
 Operator : CG/JU
 Sample : PB129997BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB129997BL

Quant Time: Jul 09 13:53:03 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

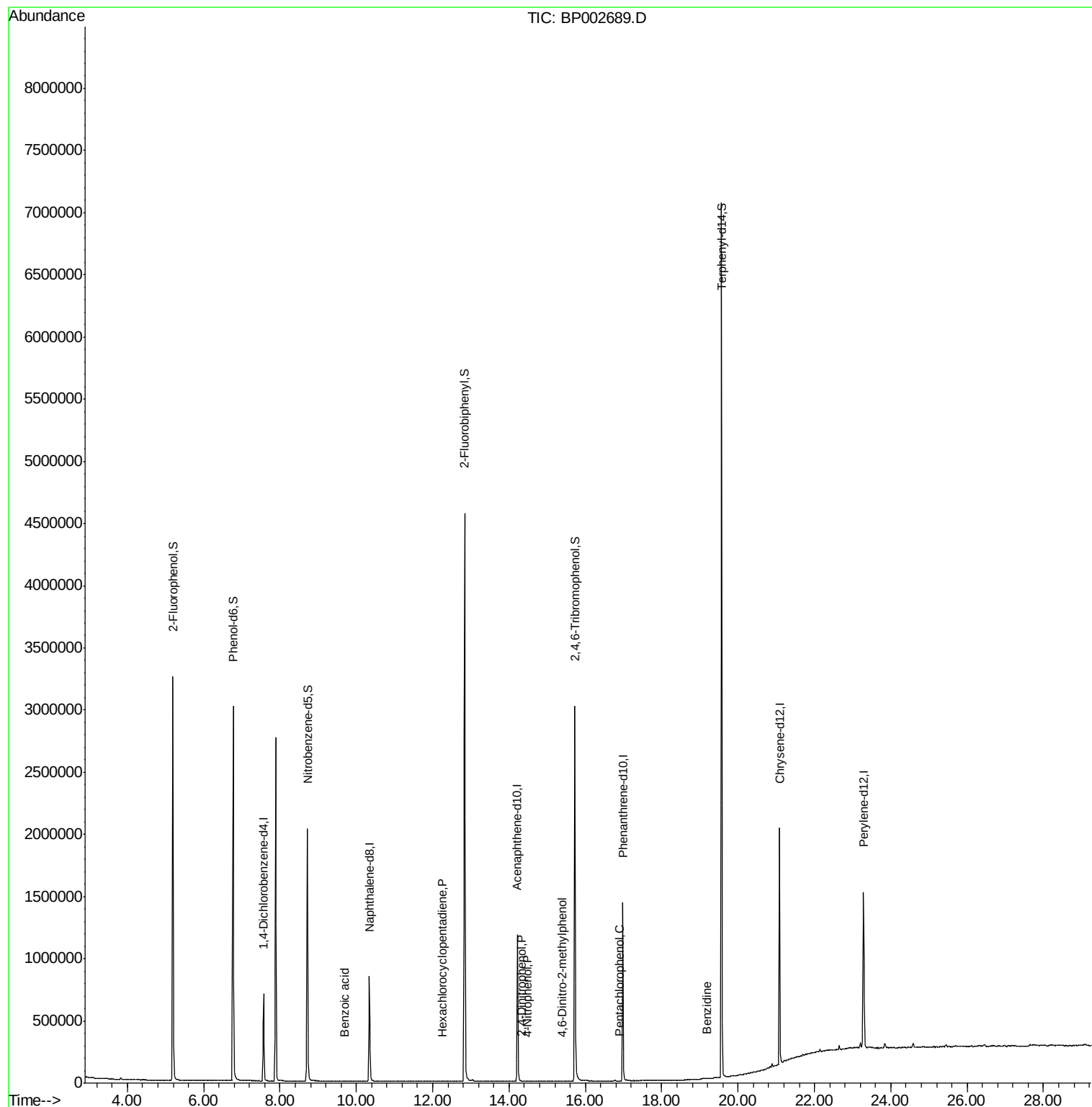
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	190062	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	723485	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	430046	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	896054	20.00	ng	0.00
76) Chrysene-d12	21.09	240	887099	20.00	ng	0.00
86) Perylene-d12	23.28	264	907679	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1462229	130.26	ng	0.00
7) Phenol-d6	6.77	99	1883273	120.20	ng	0.00
23) Nitrobenzene-d5	8.72	82	1246191	88.75	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	612401	117.08	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2607851	89.25	ng	0.00
79) Terphenyl-d14	19.57	244	3499495	85.15	ng	0.00
Target Compounds						
32) Benzoic acid	9.70	122	32	8.703	ng	# 1
41) Hexachlorocyclopentadiene	12.25	237	19	4.384	ng	# 88
54) 2,4-Dinitrophenol	14.33	184	32	6.015	ng	# 75
56) 4-Nitrophenol	14.48	139	40	2.442	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.38	198	37	2.716	ng	# 1
70) Pentachlorophenol	16.89	266	13	2.664	ng	# 91
77) Benzidine	19.19	184	93	3.758	ng	# 25

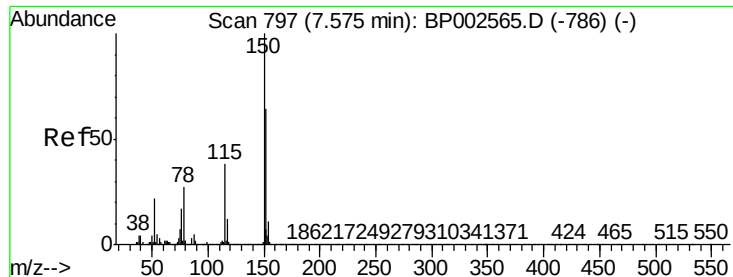
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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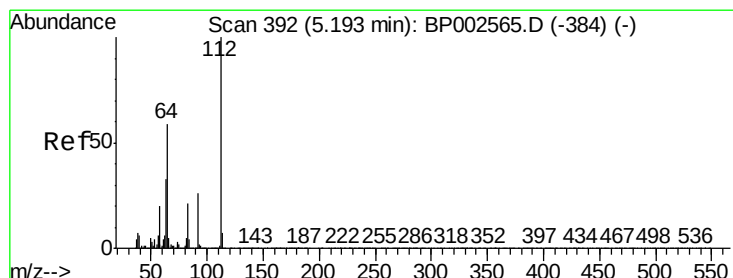
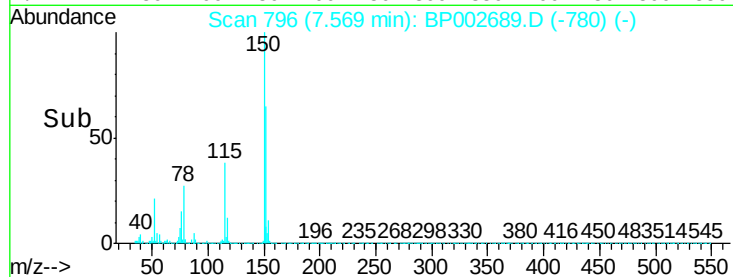
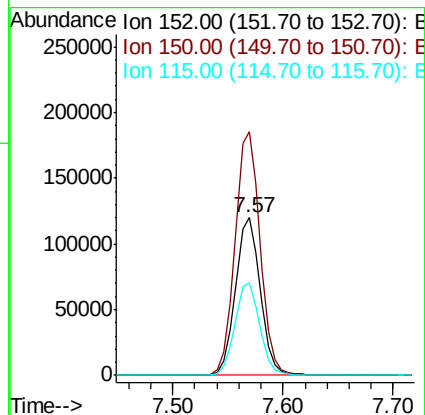
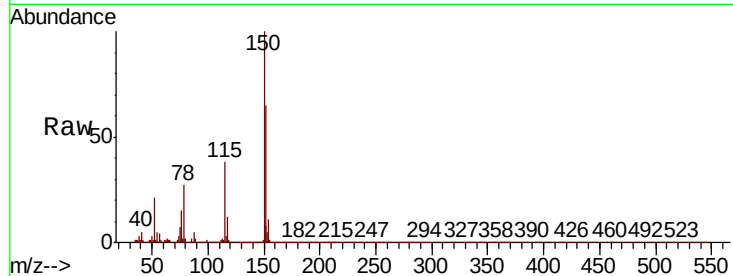


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002689.D
Acq: 09 Jul 2020 10:05

Instrument :
BNA_P
ClientSampleId :
PB129997BL

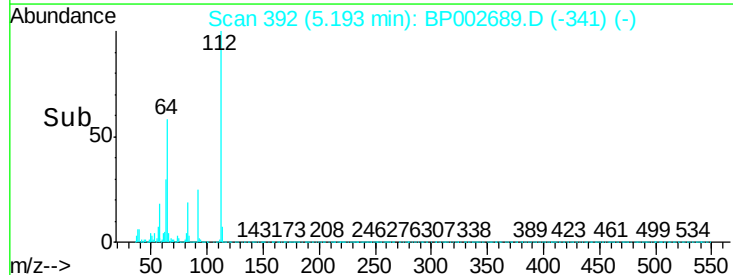
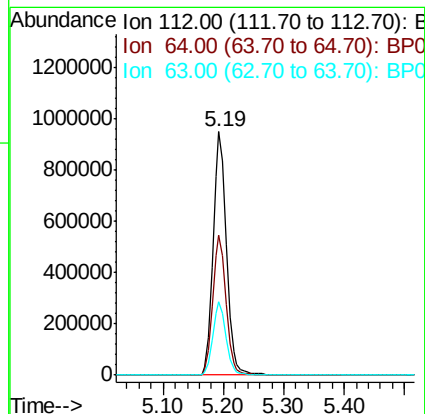
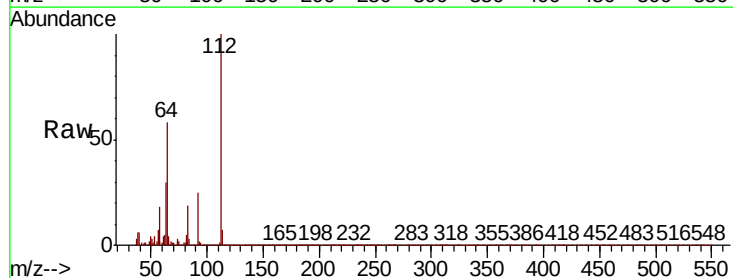
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.2	186.2
115	58.5	47.1	70.7

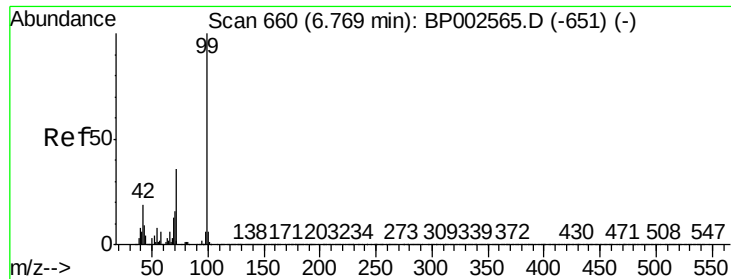


#5

2-Fluorophenol
Concen: 130.258 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002689.D
Acq: 09 Jul 2020 10:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.0	70.6
63	29.9	26.1	39.1





#7

Phenol-d6

Concen: 120.198 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002689.D

Acq: 09 Jul 2020 10:05

Instrument :

BNA_P

ClientSampleId :

PB129997BL

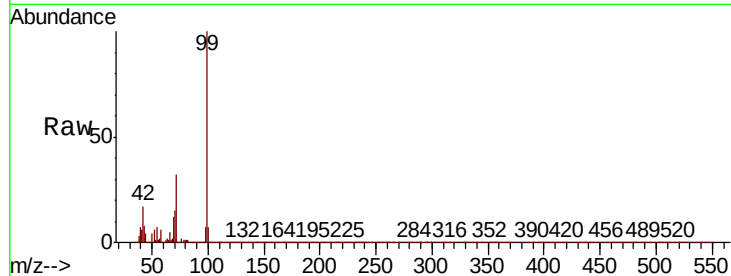
Tot Ion: 99 Resp: 1883273

Ion Ratio Lower Upper

99 100

42 17.5 15.5 23.3

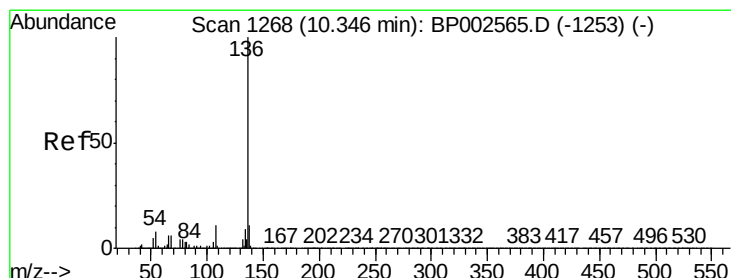
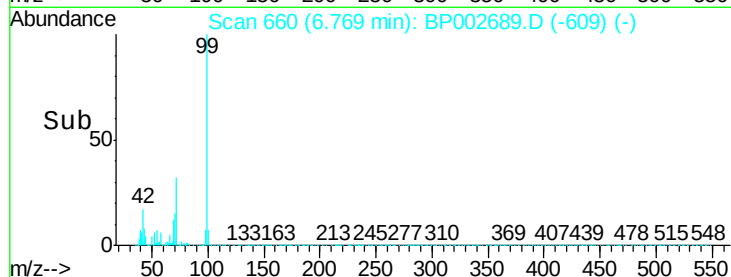
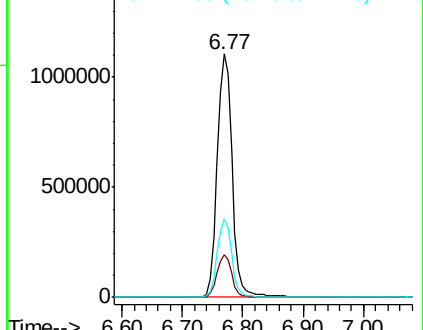
71 32.3 28.9 43.3



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: BP002689.D

Acq: 09 Jul 2020 10:05

Tgt Ion: 136 Resp: 723485

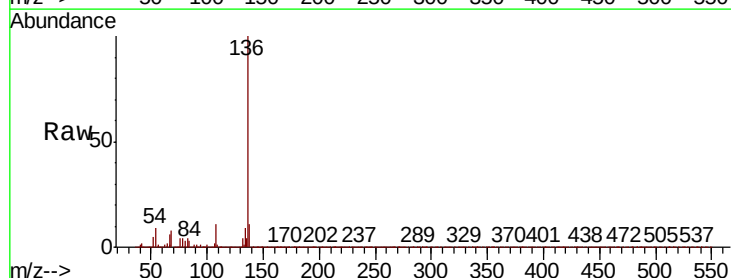
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.6 6.4 9.6

68 7.6 5.1 7.7

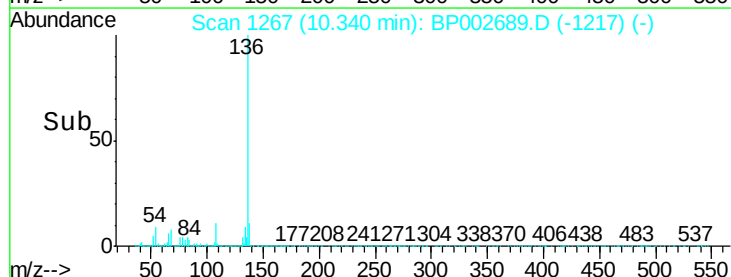
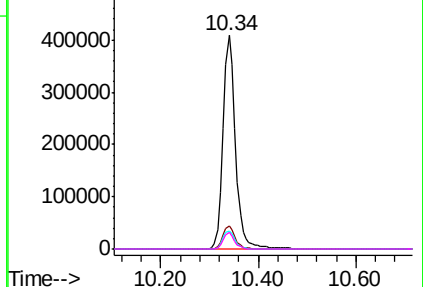


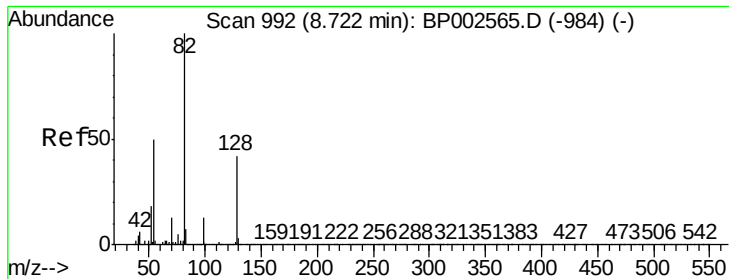
Abundance Ion 136.00 (135.70 to 136.70): E

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

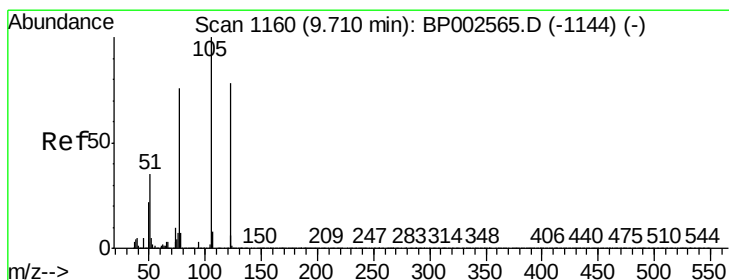
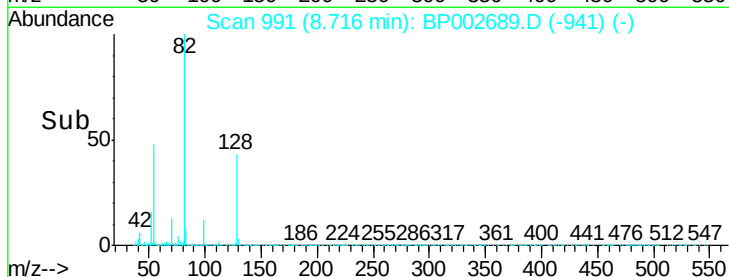
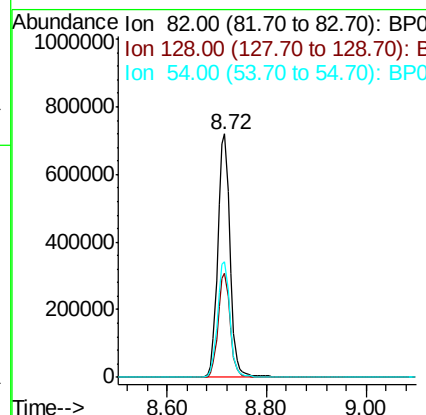
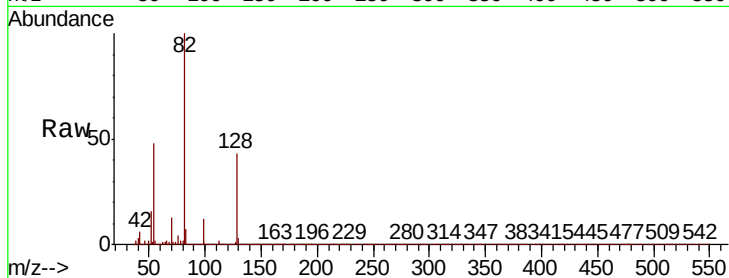




#23
 Nitrobenzene-d5
 Concen: 88.751 ng
 RT: 8.72 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: BP002689.D
 Acq: 09 Jul 2020 10:05

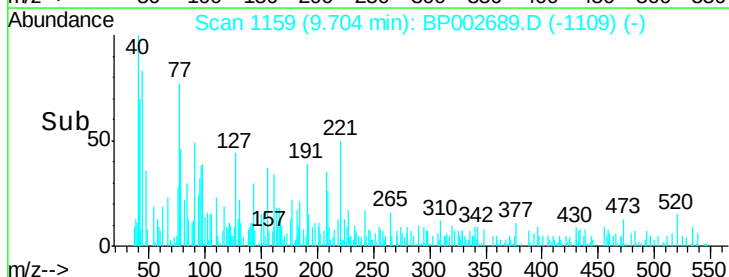
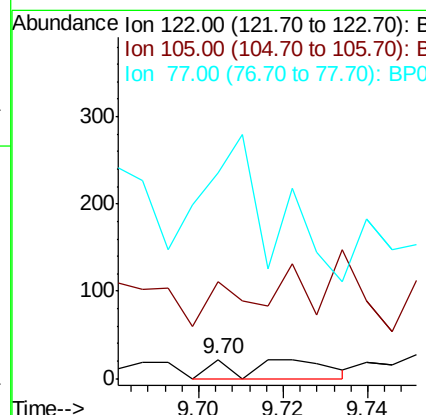
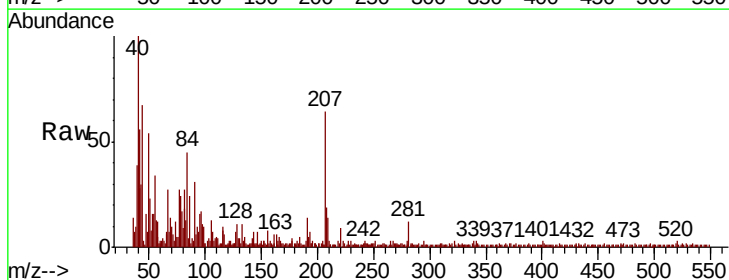
Instrument :
 BNA_P
 ClientSampleId :
 PB129997BL

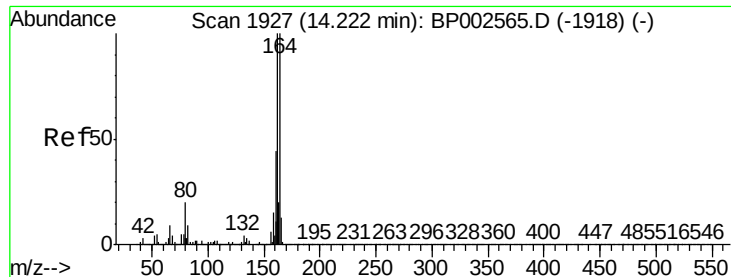
Tot Ion: 82 Resp: 1246191
 Ion Ratio Lower Upper
 82 100
 128 43.0 33.4 50.2
 54 47.5 40.1 60.1



#32
 Benzoic acid
 Concen: 8.703 ng
 RT: 9.70 min Scan# 1159
 Delta R.T. -0.01 min
 Lab File: BP002689.D
 Acq: 09 Jul 2020 10:05

Tgt Ion: 122 Resp: 32
 Ion Ratio Lower Upper
 122 100
 105 504.5 106.6 146.6#
 77 1072.7 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: BP002689.D

Acq: 09 Jul 2020 10:05

Instrument :

BNA_P

ClientSampleId :

PB129997BL

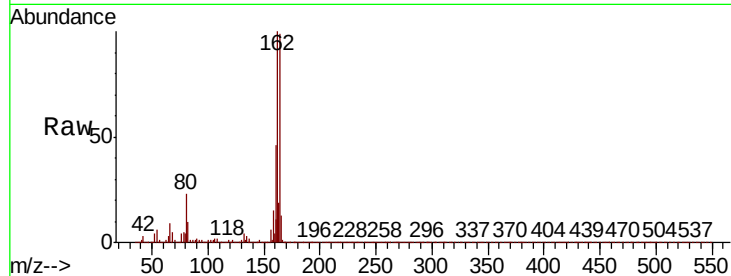
Tot Ion:164 Resp: 430046

Ion Ratio Lower Upper

164 100

162 101.2 80.3 120.5

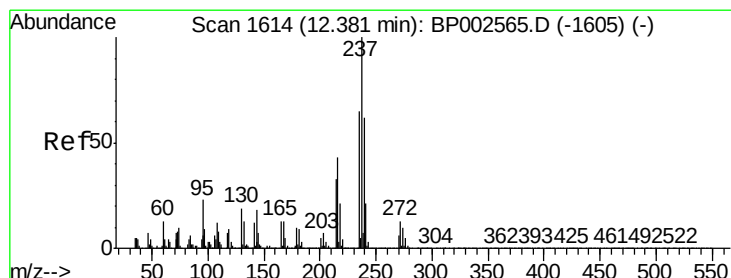
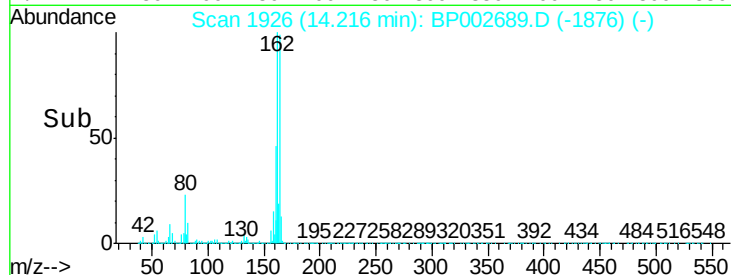
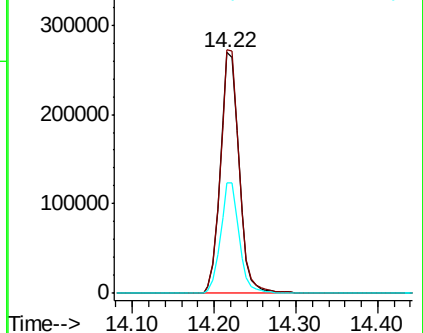
160 46.2 35.0 52.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 4.384 ng

RT: 12.25 min Scan# 1592

Delta R.T. -0.13 min

Lab File: BP002689.D

Acq: 09 Jul 2020 10:05

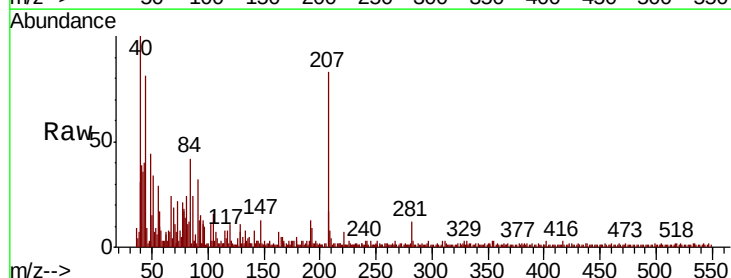
Tgt Ion:237 Resp: 19

Ion Ratio Lower Upper

237 100

235 71.4 45.4 85.4

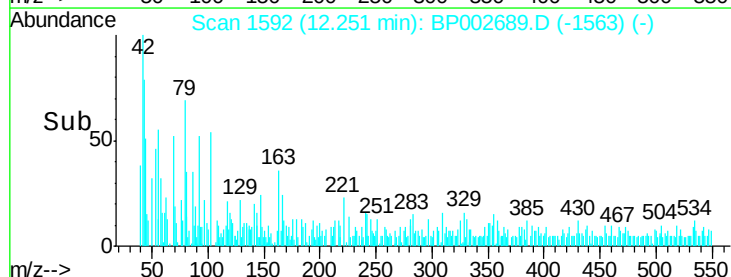
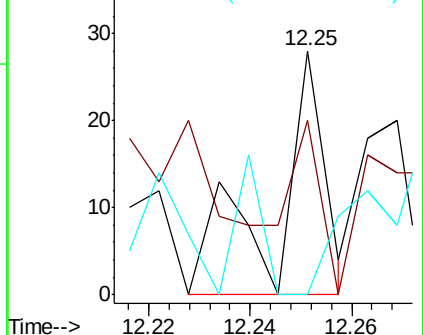
272 0.0 0.0 32.6

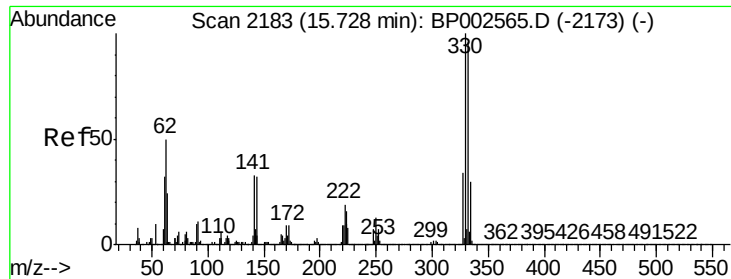


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

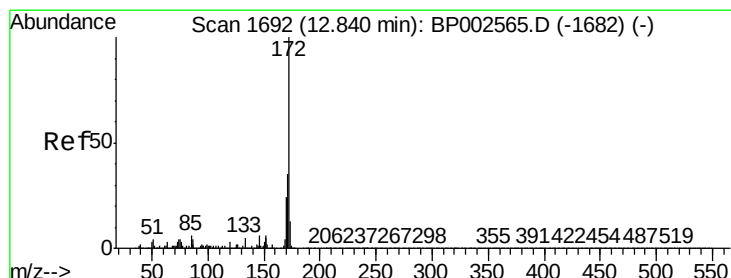
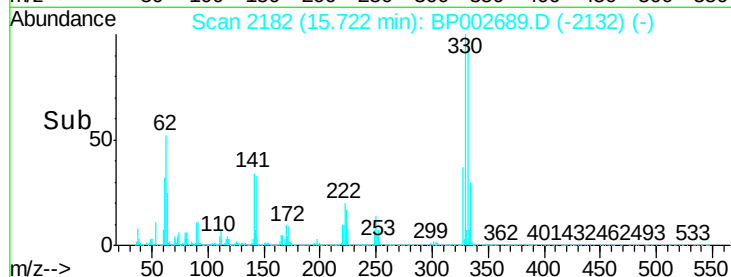
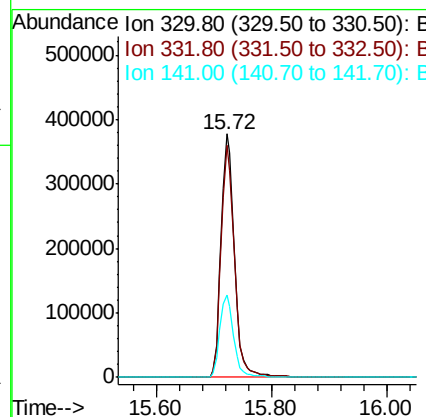
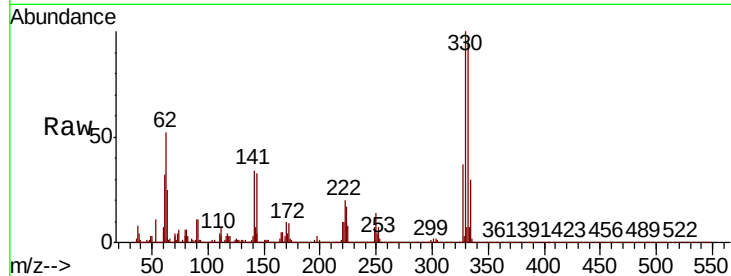




#42
 2,4,6-Tribromophenol
 Concen: 117.081 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002689.D
 Acq: 09 Jul 2020 10:05

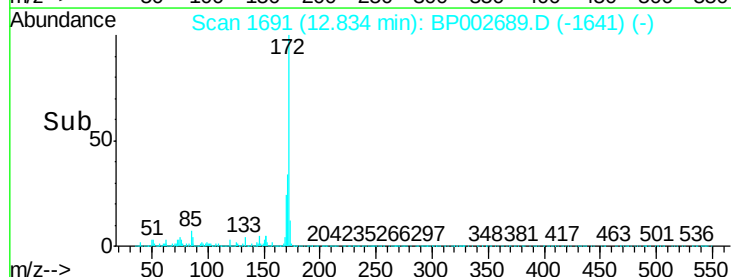
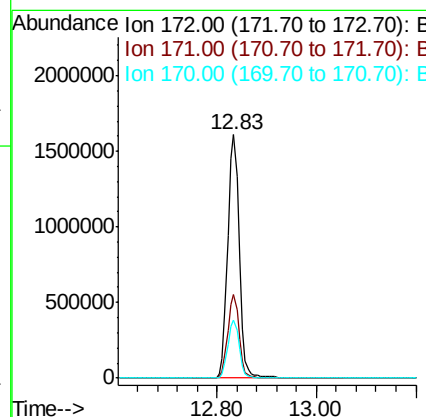
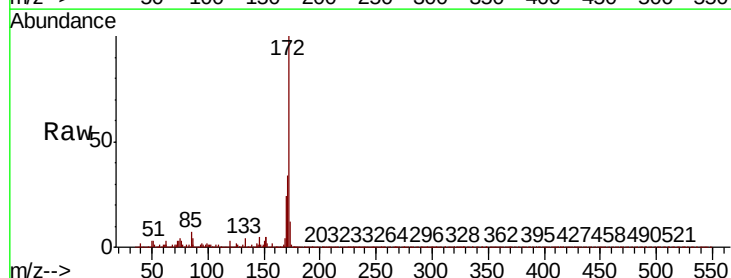
Instrument :
 BNA_P
 ClientSampleId :
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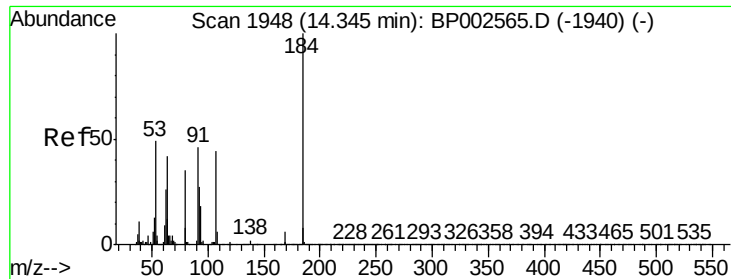
Tot Ion:330 Resp: 612401
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.7 116.5
 141 35.0 29.0 43.6



#45
 2-Fluorobiphenyl
 Concen: 89.254 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002689.D
 Acq: 09 Jul 2020 10:05

Tgt Ion:172 Resp: 2607851
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.0 42.0
 170 23.9 19.0 28.4

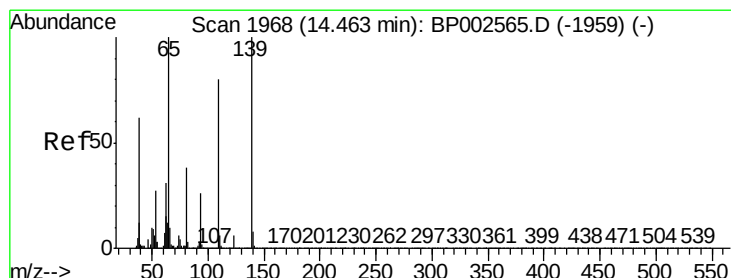
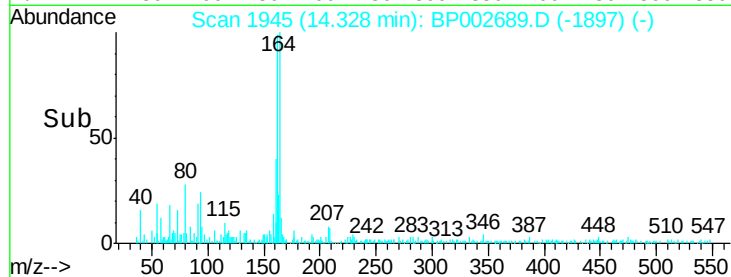
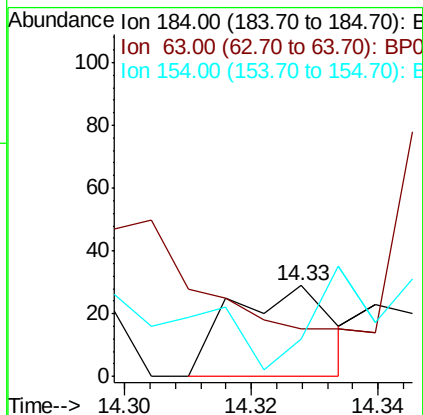
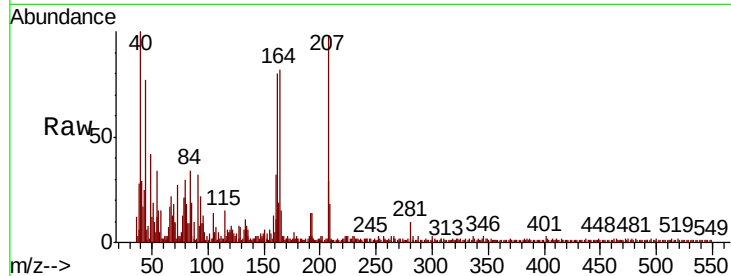




#54
2,4-Dinitrophenol
Concen: 6.015 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.02 min
Lab File: BP002689.D
Acq: 09 Jul 2020 10:05

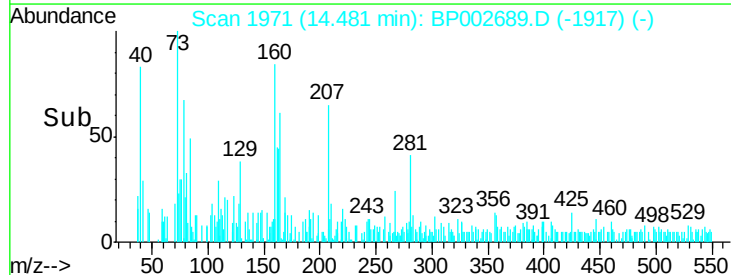
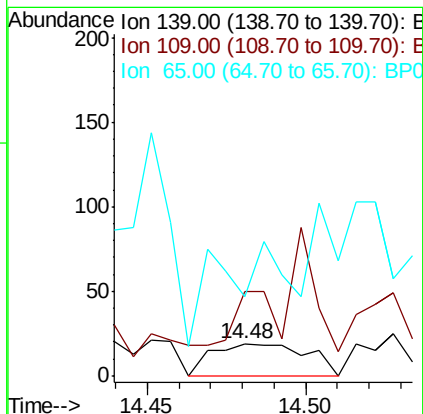
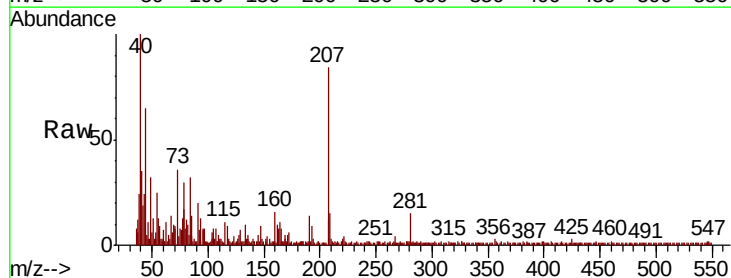
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BNA_P
ClientSampleId :
PB129997BL

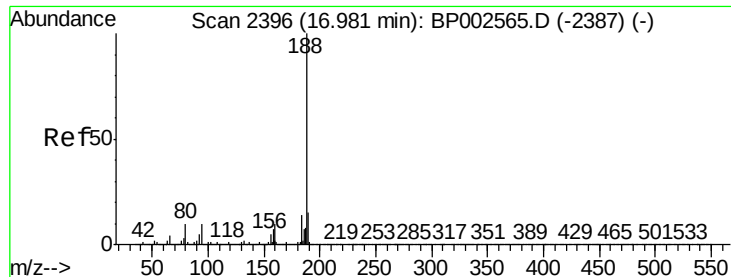
Tot Ion:184 Resp: 32
Ion Ratio Lower Upper
184 100
63 51.7 56.2 84.2#
154 41.4 50.9 76.3#



#56
4-Nitrophenol
Concen: 2.442 ng
RT: 14.48 min Scan# 1971
Delta R.T. 0.02 min
Lab File: BP002689.D
Acq: 09 Jul 2020 10:05

Tgt Ion:139 Resp: 40
Ion Ratio Lower Upper
139 100
109 263.2 60.1 100.1#
65 247.4 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: BP002689.D

Acq: 09 Jul 2020 10:05

Instrument :

BNA_P

ClientSampleId :

PB129997BL

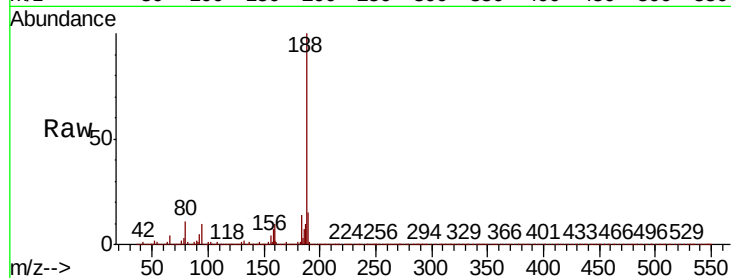
Tot Ion:188 Resp: 896054

Ion Ratio Lower Upper

188 100

94 10.0 7.8 11.6

80 11.1 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

800000

600000

400000

200000

0

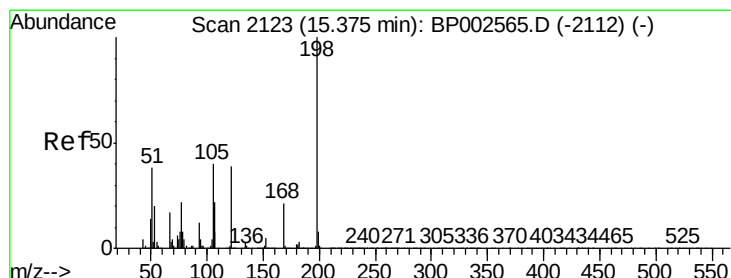
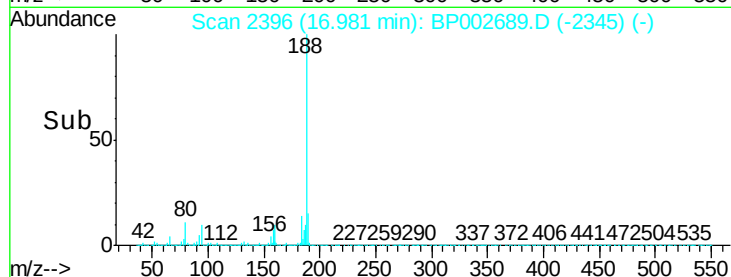
16.98

16.90

17.00

17.10

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 2.716 ng

RT: 15.38 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BP002689.D

Acq: 09 Jul 2020 10:05

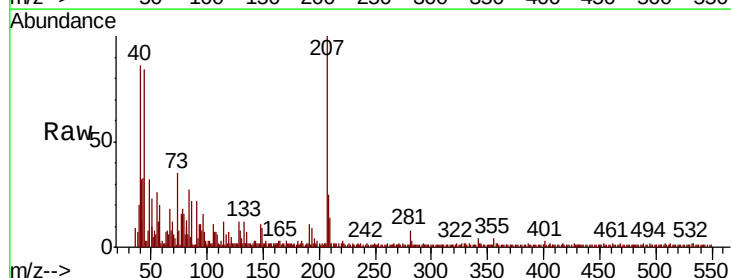
Tgt Ion:198 Resp: 37

Ion Ratio Lower Upper

198 100

51 675.8 24.2 64.2#

105 336.4 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

300

200

100

0

15.38

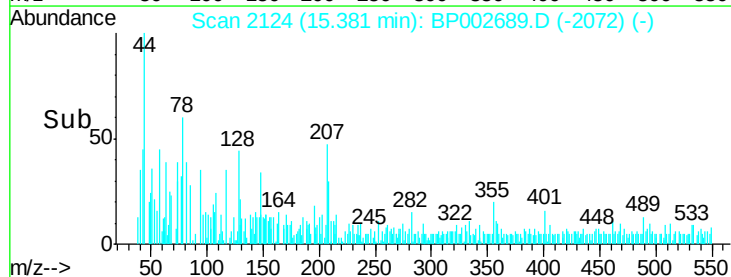
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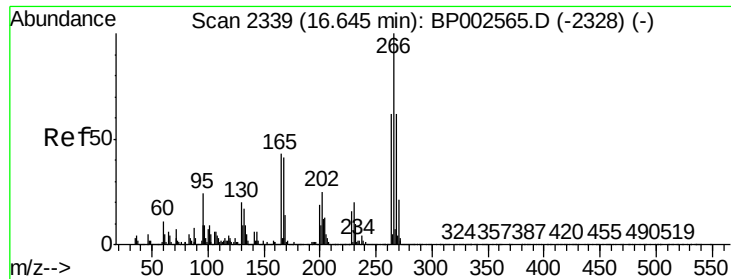
15.36

15.38

15.40

Time-->

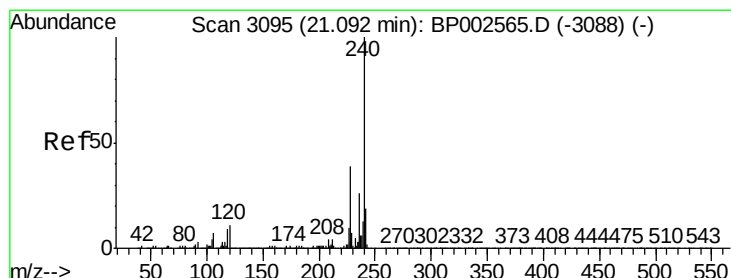
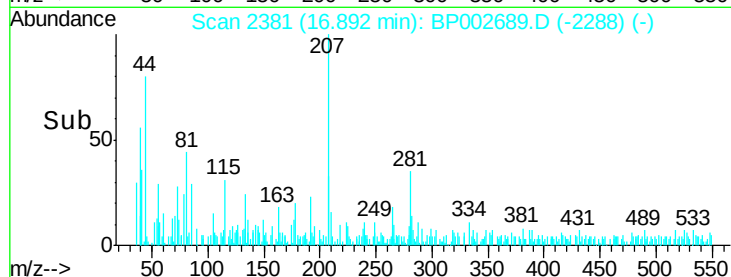
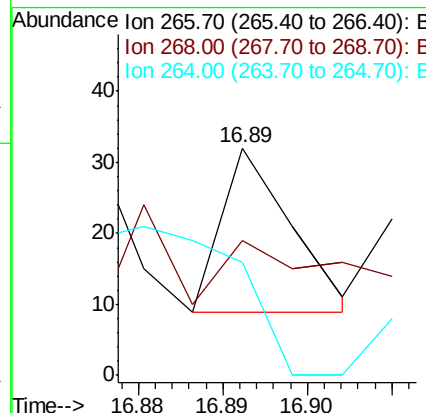
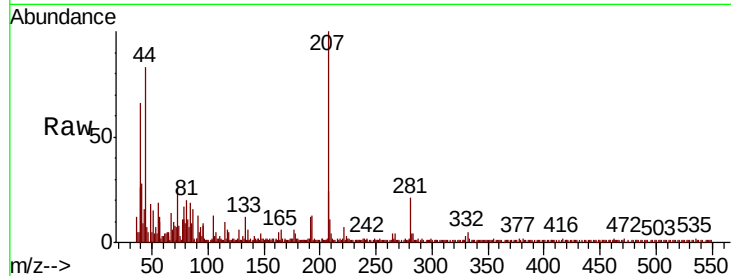




#70
 Pentachlorophenol
 Concen: 2.664 ng
 RT: 16.89 min Scan# 2381
 Delta R.T. 0.25 min
 Lab File: BP002689.D
 Acq: 09 Jul 2020 10:05

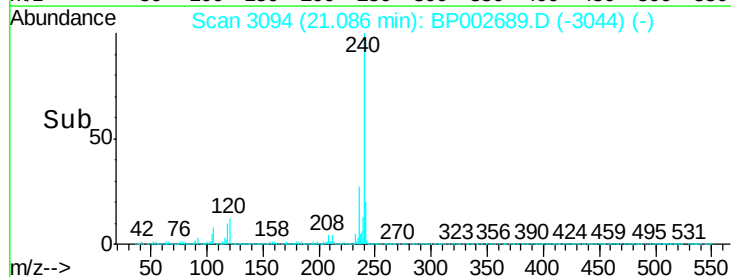
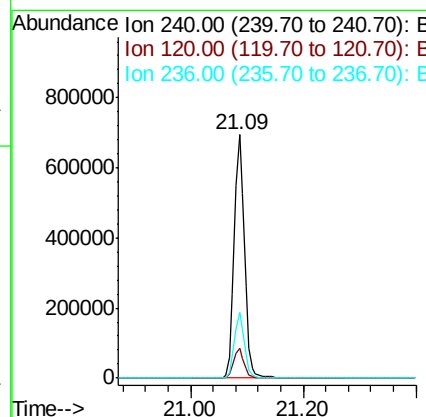
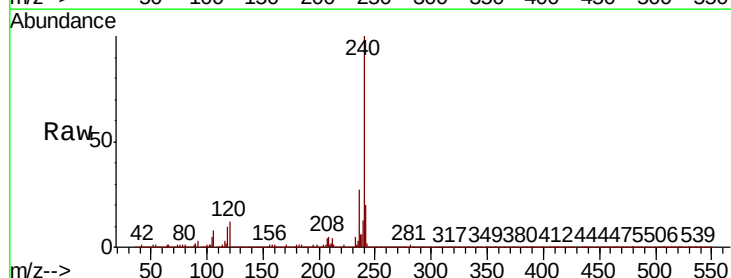
Instrument :
 BNA_P
 ClientSampleID :
 PB129997BL

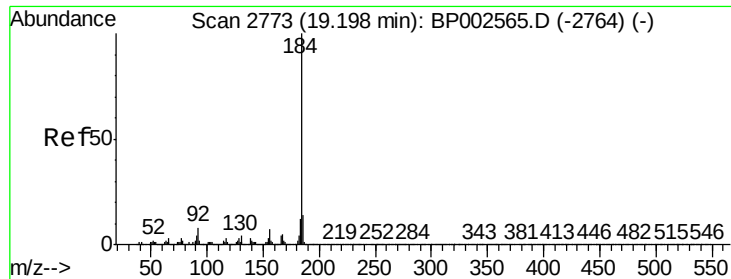
Tot Ion	Ratio	Lower	Upper
266	100		
268	59.4	49.7	74.5
264	50.0	49.3	73.9



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.09 min Scan# 3094
 Delta R.T. -0.01 min
 Lab File: BP002689.D
 Acq: 09 Jul 2020 10:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.6	13.0
236	27.2	20.8	31.2





#77

Benzidine

Concen: 3.758 ng

RT: 19.19 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BP002689.D

Acq: 09 Jul 2020 10:05

Instrument :

BNA_P

ClientSampleID :

PB129997BL

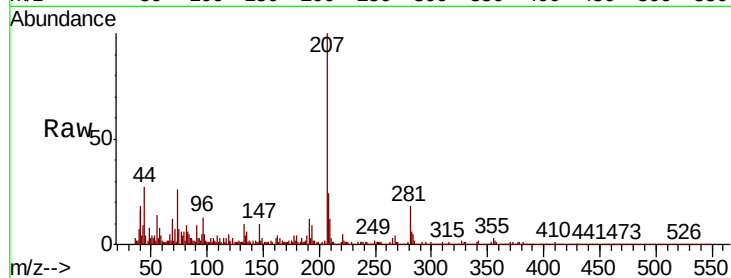
Tot Ion:184 Resp: 93

Ion Ratio Lower Upper

184 100

185 35.3 11.4 17.2#

183 51.7 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

19.19

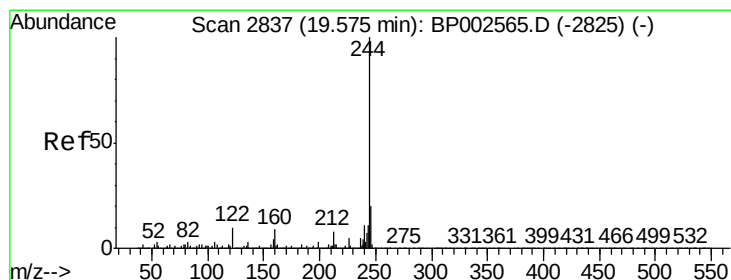
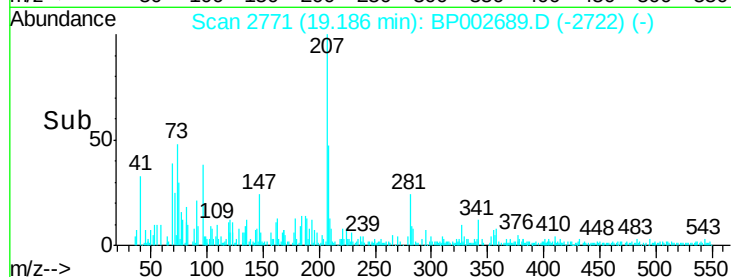
100

50

0

19.16 19.18

Time-->



#79

Terphenyl-d14

Concen: 85.150 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002689.D

Acq: 09 Jul 2020 10:05

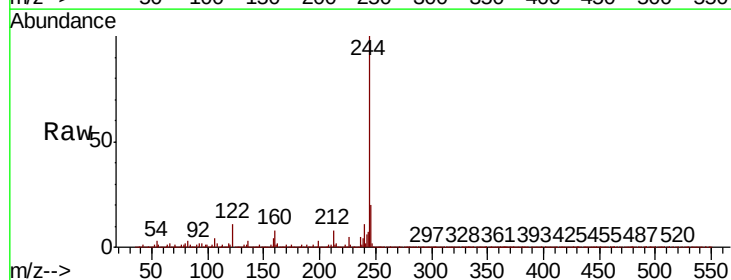
Tgt Ion:244 Resp: 3499495

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

122 11.1 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

19.57

3000000

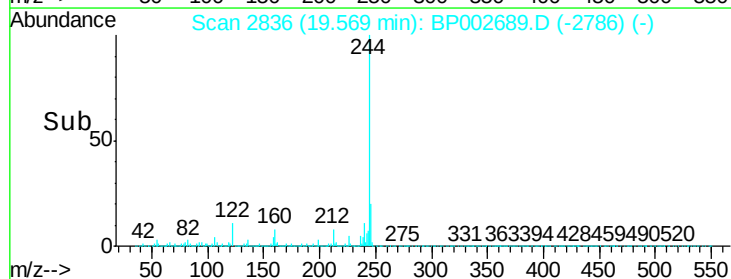
2000000

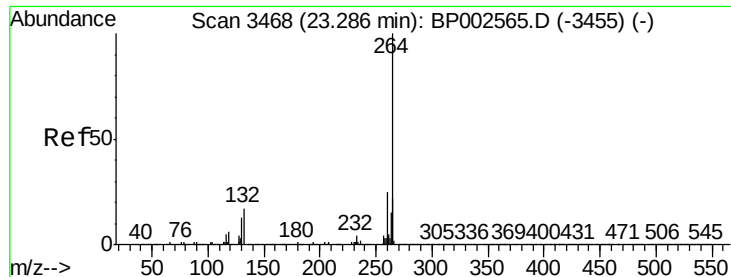
1000000

0

19.40 19.60 19.80

Time-->

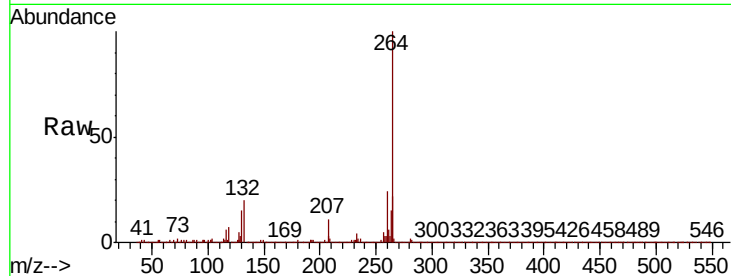




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. -0.01 min
Lab File: BP002689.D
Acq: 09 Jul 2020 10:05

Instrument :
BNA_P
ClientSampleId :
PB129997BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.8	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

