

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072320\
 Data File : BP002851.D
 Acq On : 23 Jul 2020 21:18
 Operator : CG/JU
 Sample : L3402-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

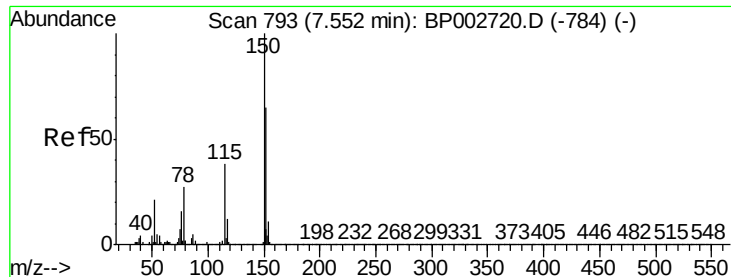
Quant Time: Jul 24 01:01:52 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	67984	20.00	ng	-0.01
21) Naphthalene-d8	10.31	136	283251	20.00	ng	-0.02
39) Acenaphthene-d10	14.19	164	185707	20.00	ng	-0.02
64) Phenanthrene-d10	16.96	188	423738	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	543534	20.00	ng	0.00
86) Perylene-d12	23.25	264	588366	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.17	112	527421	130.89	ng	-0.01
7) Phenol-d6	6.75	99	641407	111.54	ng	-0.01
23) Nitrobenzene-d5	8.69	82	506827	95.70	ng	-0.02
42) 2,4,6-Tribromophenol	15.70	330	309593	159.71	ng	-0.01
45) 2-Fluorobiphenyl	12.80	172	1029387	85.75	ng	-0.02
79) Terphenyl-d14	19.55	244	1663770	70.18	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.49	42	17612	8.930	ng	# 1
6) Aniline	6.88	93	16818	2.310	ng	97
10) Phenol	6.78	94	52856	8.972	ng	90
11) bis(2-Chloroethyl)ether	6.88	93	16818	3.432	ng	# 27
19) n-Nitroso-di-n-propylamine	8.22	70	9839	2.810	ng	# 42
20) 3+4-Methylphenols	8.33	107	191066	34.430	ng	90
32) Benzoic acid	9.72	122	2428	7.728	ng	# 74
41) Hexachlorocyclopentadiene	12.12	237	29	7.445	ng	91
50) Dimethylphthalate	13.66	163	415579	29.343	ng	99
54) 2,4-Dinitrophenol	14.35	184	38	11.393	ng	# 1
56) 4-Nitrophenol	14.45	139	90	5.003	ng	# 28
65) 4,6-Dinitro-2-methylphenol	15.34	198	25	5.275	ng	# 1
70) Pentachlorophenol	16.62	266	29	7.453	ng	# 59

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

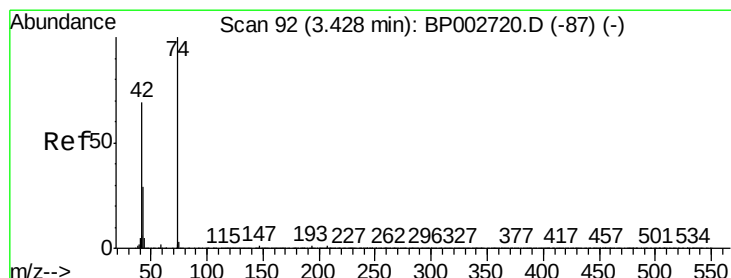
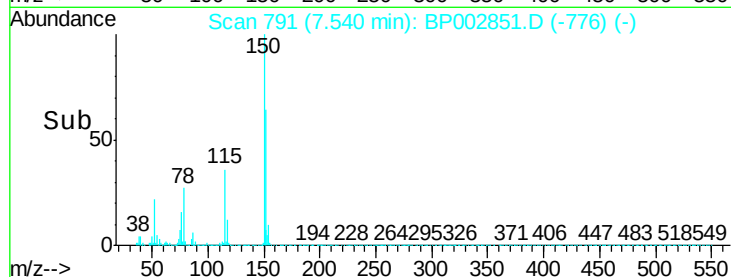
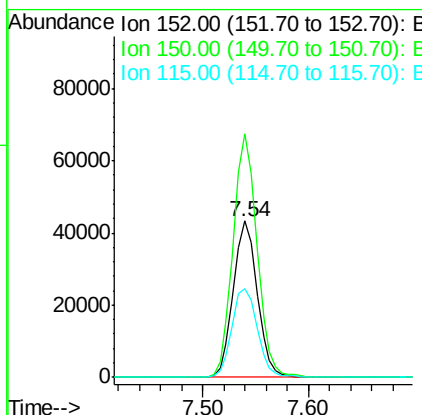
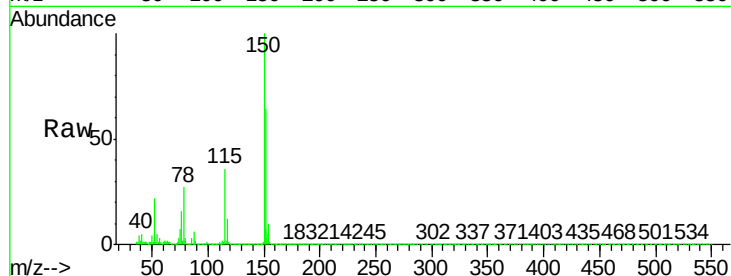


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.54 min Scan# 791
Delta R.T. -0.01 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Instrument :
BNA_P
ClientSampleId :

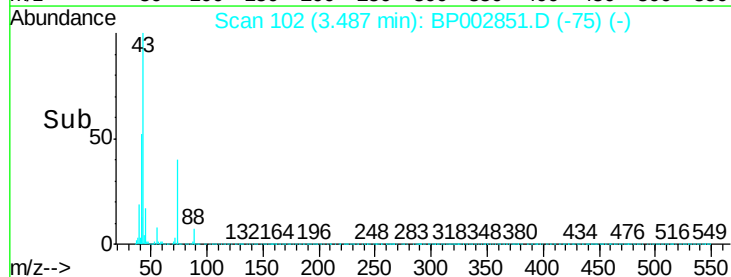
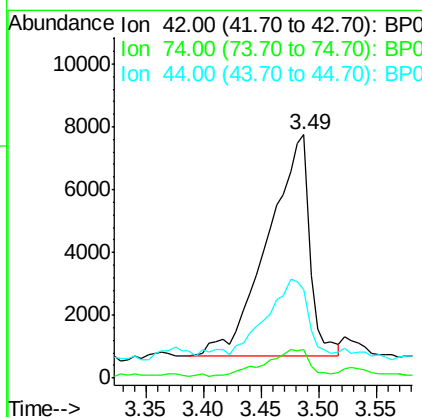
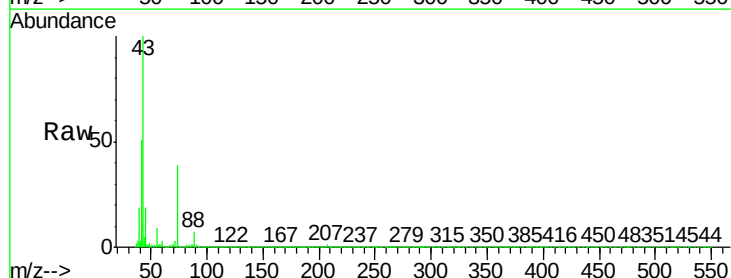
Tot Ion:152 Resp: 67984
Ion Ratio Lower Upper
152 100
150 155.8 123.7 185.5
115 56.5 47.2 70.8

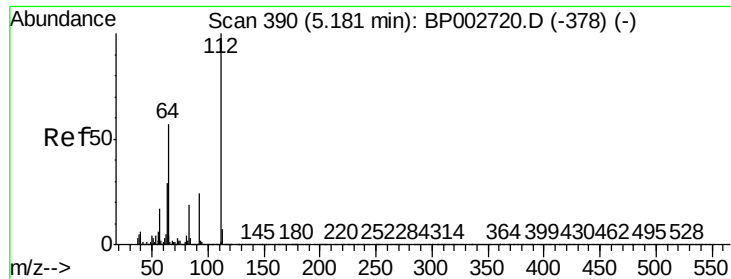


#4

n-Nitrosodimethylamine
Concen: 8.930 ng
RT: 3.49 min Scan# 102
Delta R.T. 0.06 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Tgt Ion: 42 Resp: 17612
Ion Ratio Lower Upper
42 100
74 11.6 116.3 174.5#
44 36.7 5.9 8.9#





#5

2-Fluorophenol

Concen: 130.892 ng

RT: 5.17 min Scan# 388

Delta R.T. -0.01 min

Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

Instrument :

BNA_P

ClientSampleId :

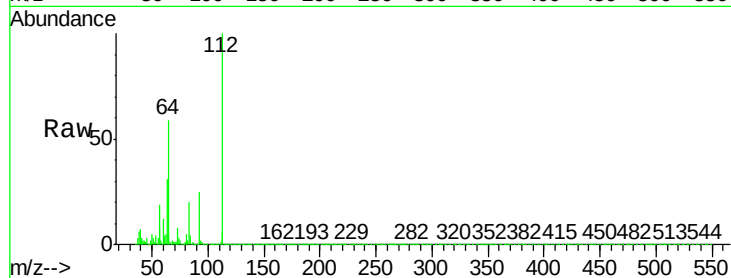
Tot Ion: 112 Resp: 527421

Ion Ratio Lower Upper

112 100

64 59.2 45.6 68.4

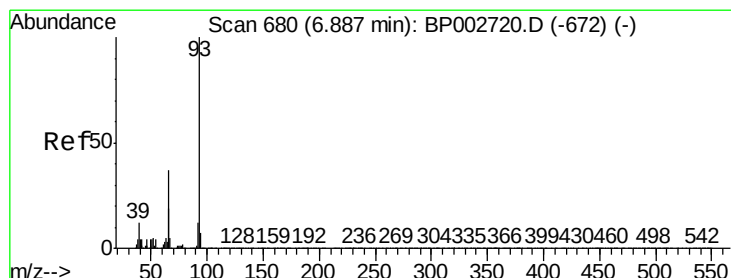
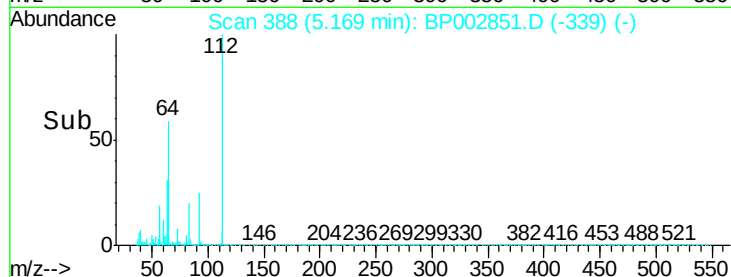
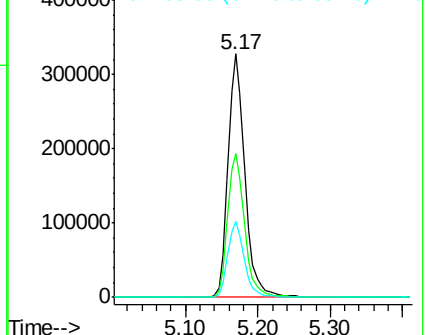
63 31.2 23.5 35.3



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



#6

Aniline

Concen: 2.310 ng

RT: 6.88 min Scan# 679

Delta R.T. -0.01 min

Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

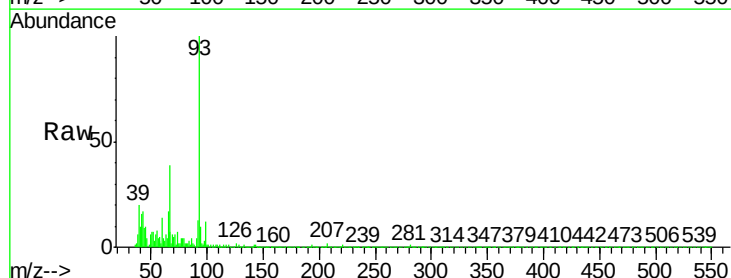
Tgt Ion: 93 Resp: 16818

Ion Ratio Lower Upper

93 100

66 38.8 30.1 45.1

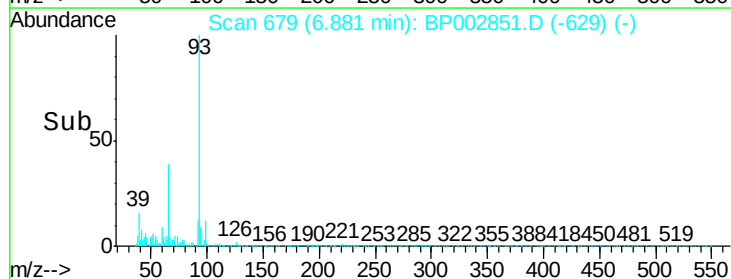
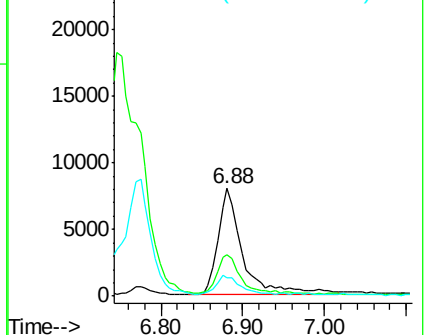
65 17.5 15.4 23.2

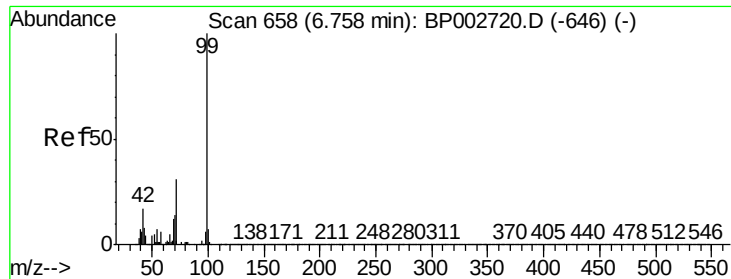


Abundance Ion 93.00 (92.70 to 93.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

Ion 65.00 (64.70 to 65.70): BP0





#7

Phenol-d6

Concen: 111.536 ng

RT: 6.75 min Scan# 656

Delta R.T. -0.01 min

Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

Instrument :

BNA_P

ClientSampled :

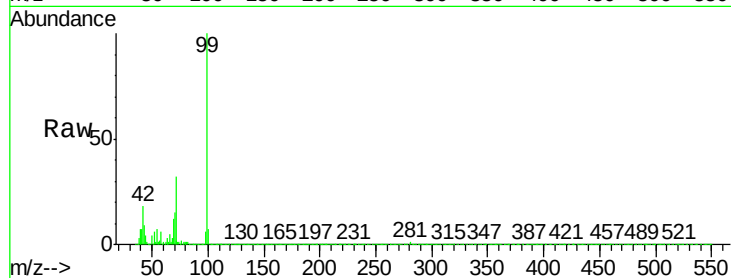
Tot Ion: 99 Resp: 641407

Ion Ratio Lower Upper

99 100

42 18.0 13.4 20.2

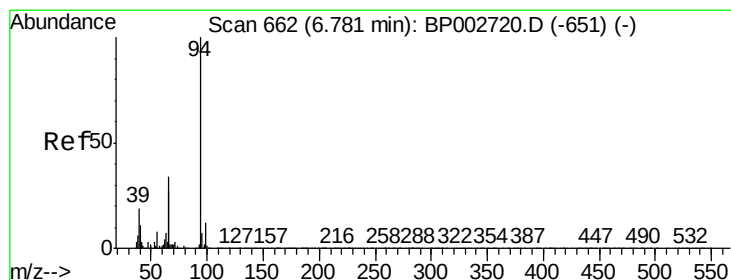
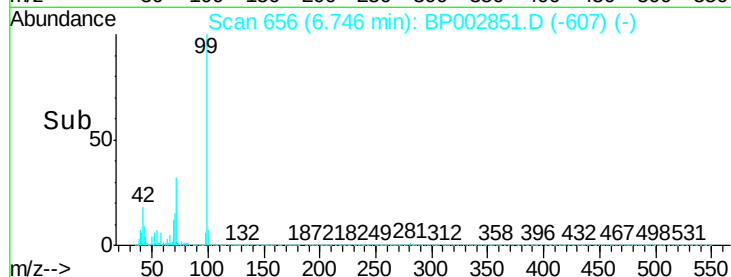
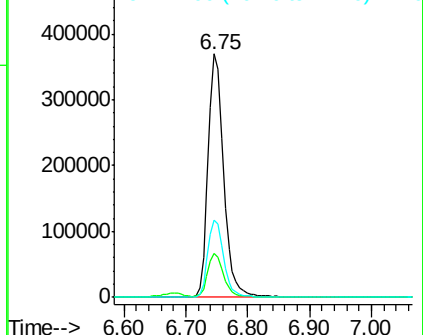
71 31.9 24.6 36.8



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



#10

Phenol

Concen: 8.972 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

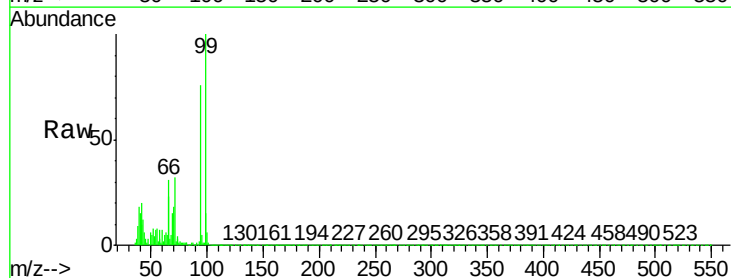
Tgt Ion: 94 Resp: 52856

Ion Ratio Lower Upper

94 100

65 29.8 7.0 47.0

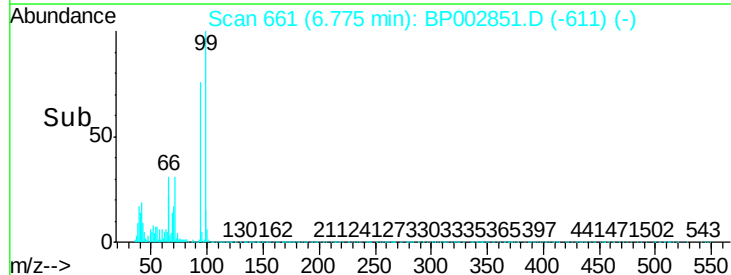
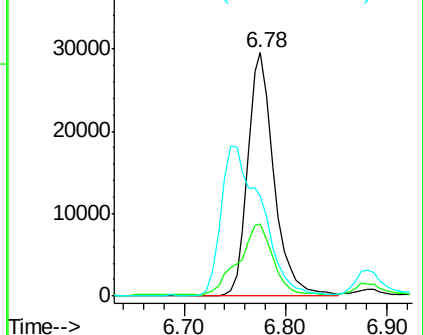
66 41.4 13.7 53.7

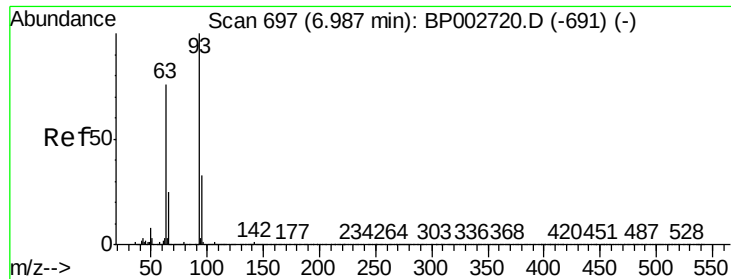


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

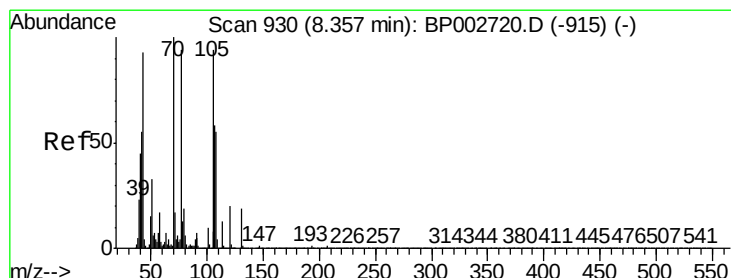
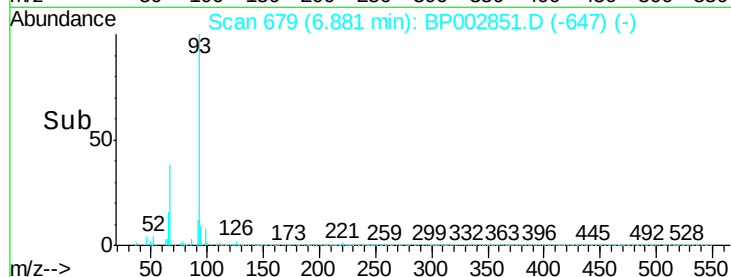
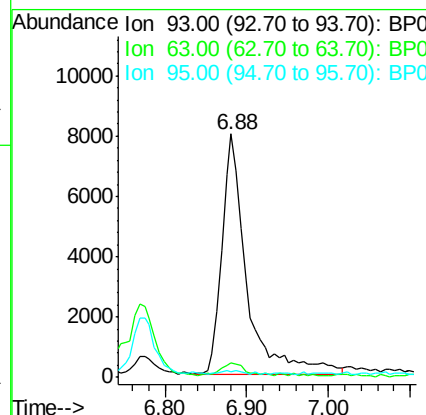
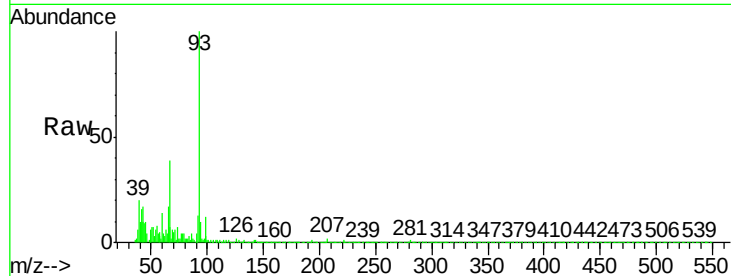




#11
bis(2-Chloroethyl)ether
Concen: 3.432 ng
RT: 6.88 min Scan# 679
Delta R.T. -0.11 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

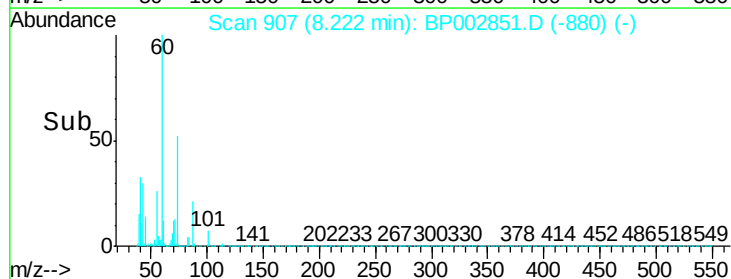
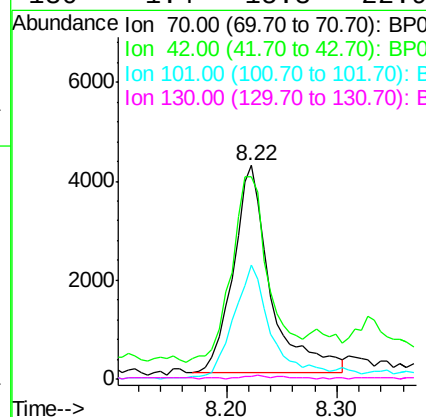
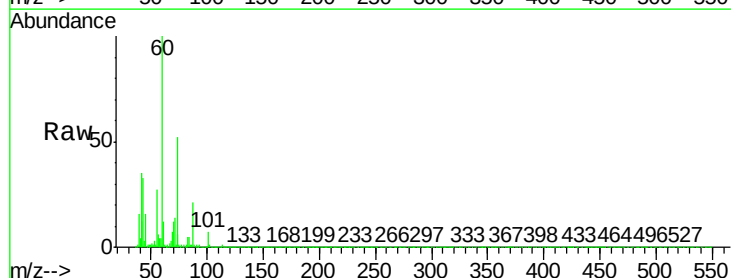
Instrument :
BNA_P
ClientSampleId :

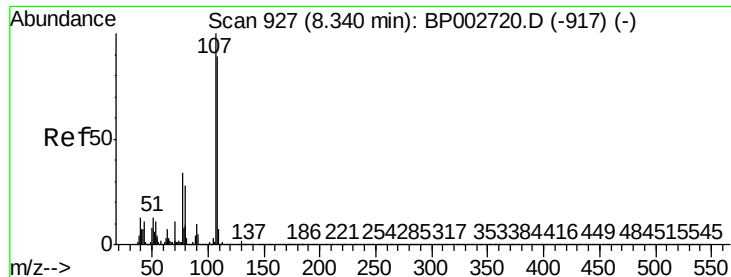
Tot Ion	Ratio	Lower	Upper
93	100		
63	5.9	55.1	95.1#
95	2.3	12.7	52.7#



#19
n-Nitroso-di-n-propylamine
Concen: 2.810 ng
RT: 8.22 min Scan# 907
Delta R.T. -0.14 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Tgt Ion	Ratio	Lower	Upper
70	100		
42	94.7	44.2	66.4#
101	53.4	7.7	11.5#
130	1.4	15.3	22.9#

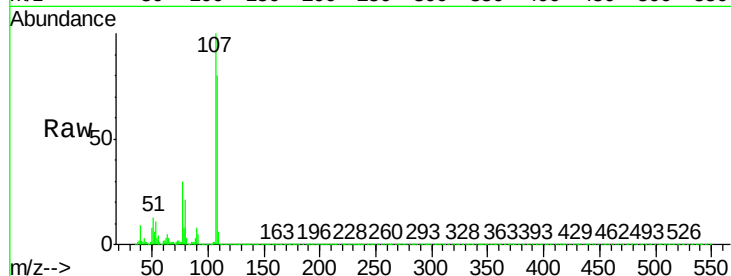




#20
3+4-Methylphenols
Concen: 34.430 ng
RT: 8.33 min Scan# 925
Delta R.T. -0.02 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Instrument :
BNA_P
ClientSampleId :

Tot Ion:	107	Resp:	191066
Ion	Ratio	Lower	Upper
107	100		
108	80.1	69.5	109.5
77	29.6	14.3	54.3
79	21.0	7.7	47.7



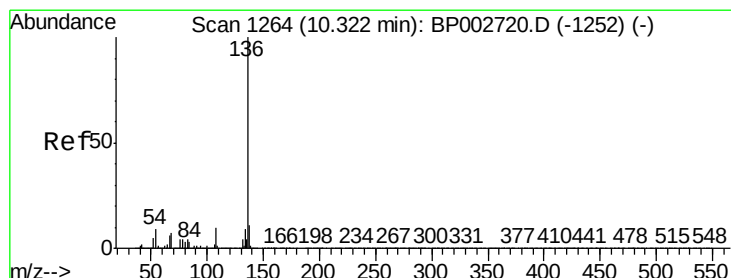
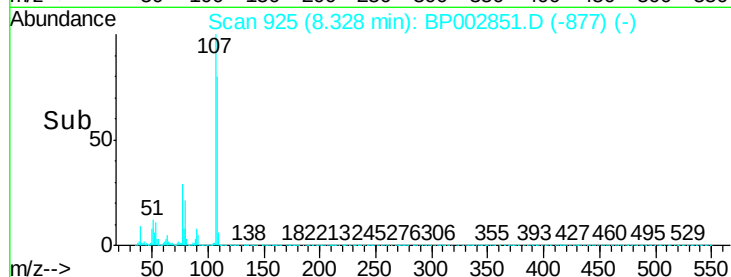
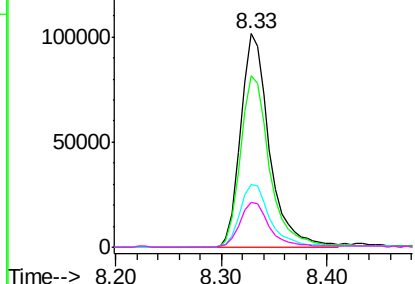
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

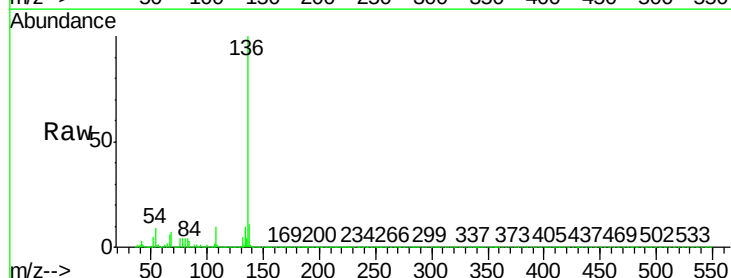
Ion 77.00 (76.70 to 77.70): BP0

Ion 79.00 (78.70 to 79.70): BP0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.31 min Scan# 1262
Delta R.T. -0.02 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Tgt Ion:	136	Resp:	283251
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	9.1	6.9	10.3
68	7.2	5.7	8.5



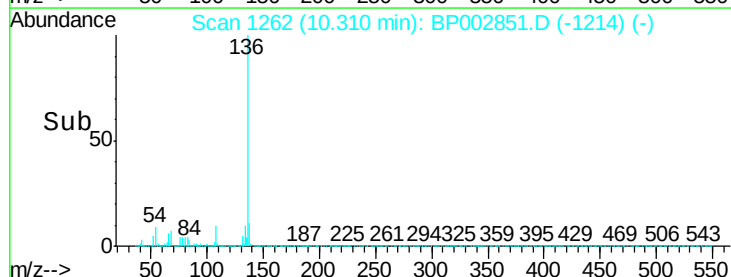
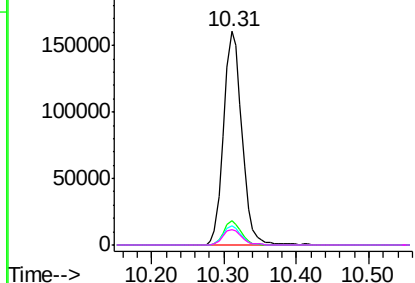
Abundance

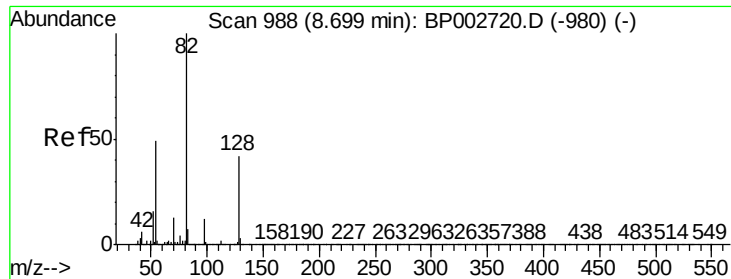
Ion 136.00 (135.70 to 136.70): E

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

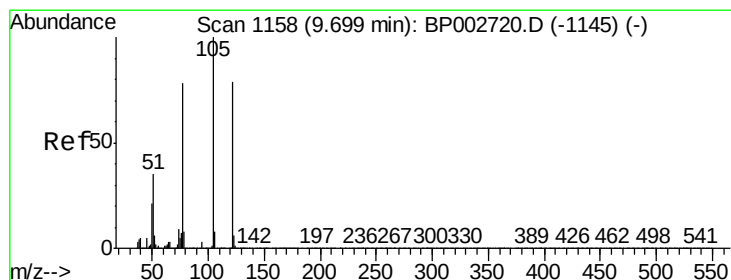
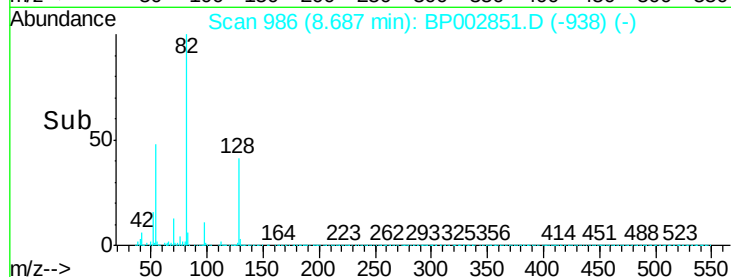
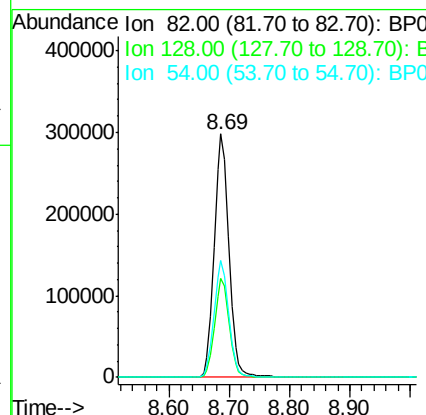
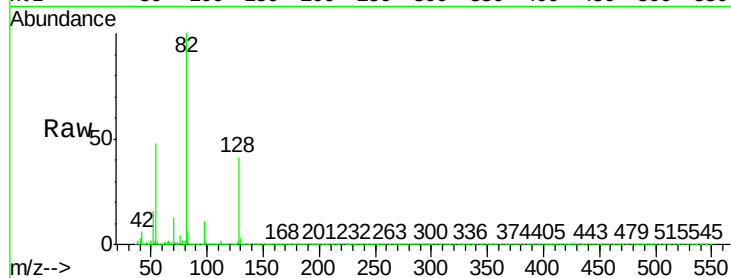




#23
Nitrobenzene-d5
Concen: 95.699 ng
RT: 8.69 min Scan# 986
Delta R.T. -0.02 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

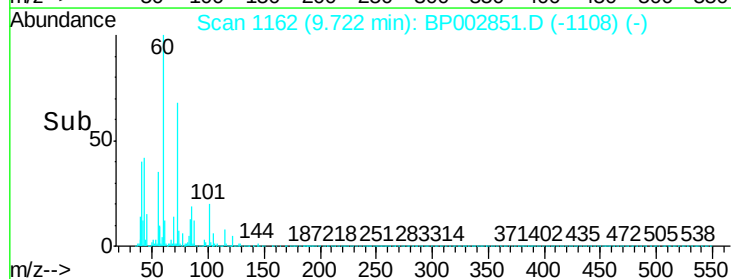
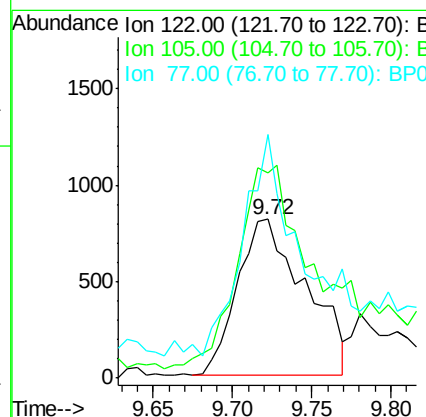
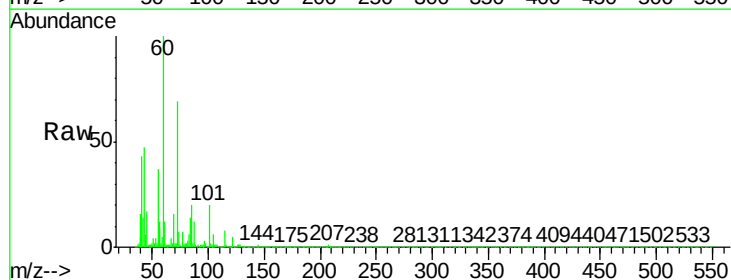
Instrument :
BNA_P
ClientSampleId :

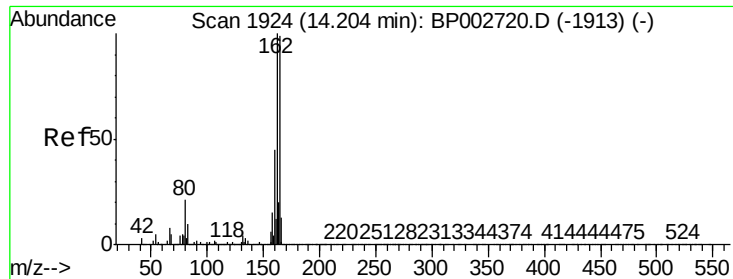
Tot Ion	82	Resp	506827
Ion Ratio	Lower	Upper	
82	100		
128	40.7	33.8	50.8
54	48.1	38.8	58.2



#32
Benzoic acid
Concen: 7.728 ng
RT: 9.72 min Scan# 1162
Delta R.T. 0.02 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Tgt Ion	122	Resp	2428
Ion Ratio	Lower	Upper	
122	100		
105	129.2	105.4	145.4
77	153.2	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.19 min Scan# 1922

Delta R.T. -0.02 min

Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

Instrument :

BNA_P

ClientSampleId :

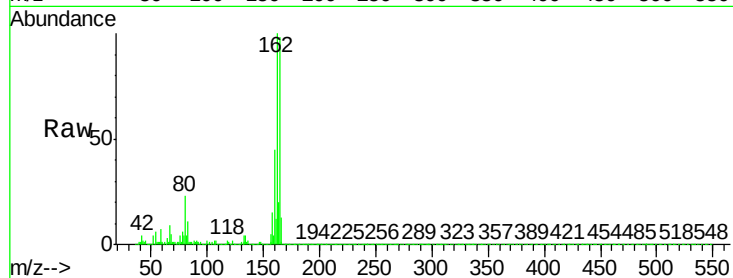
Tot Ion:164 Resp: 185707

Ion Ratio Lower Upper

164 100

162 102.2 80.6 121.0

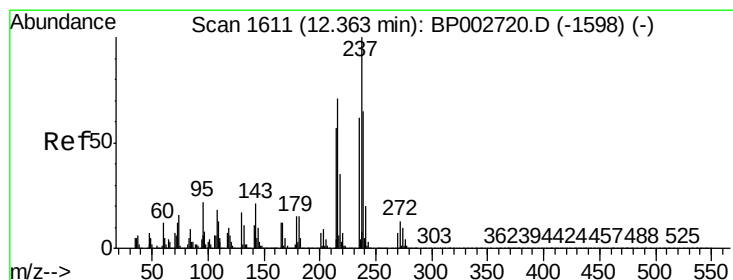
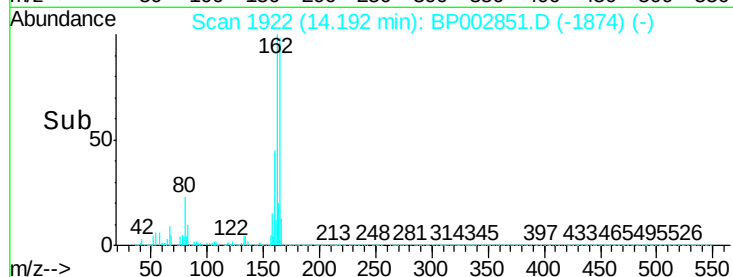
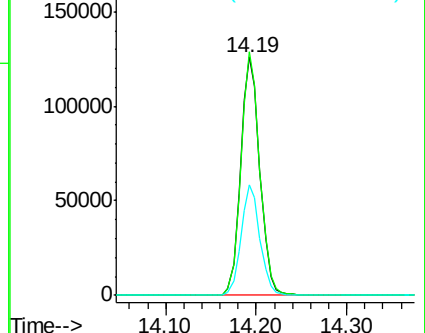
160 46.4 36.4 54.6



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: 7.445 ng

RT: 12.12 min Scan# 1569

Delta R.T. -0.25 min

Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

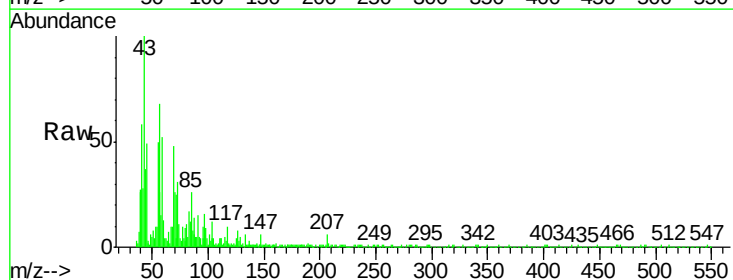
Tgt Ion:237 Resp: 29

Ion Ratio Lower Upper

237 100

235 65.7 42.3 82.3

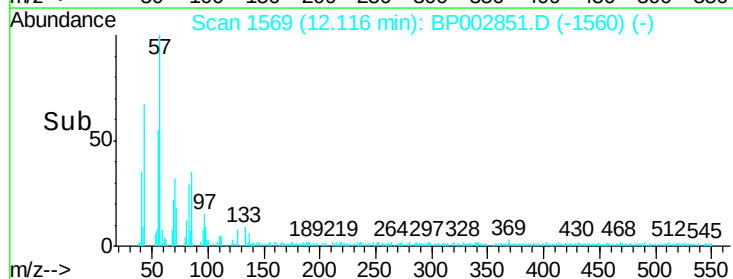
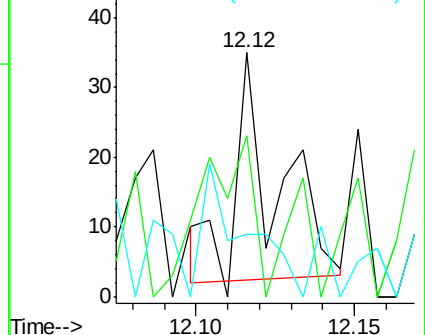
272 25.7 0.0 32.5

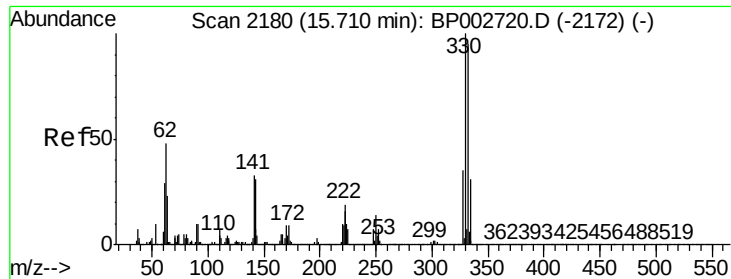


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

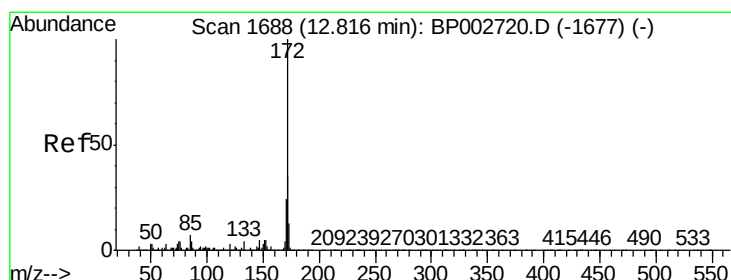
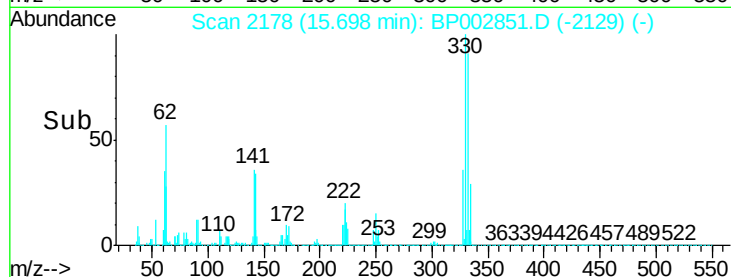
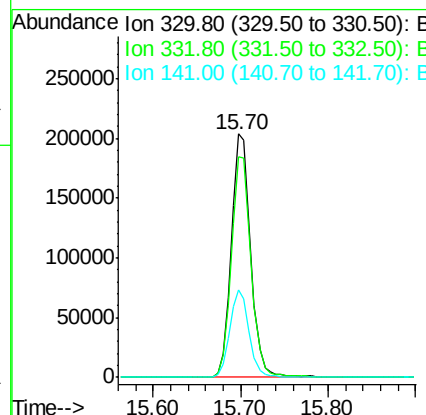
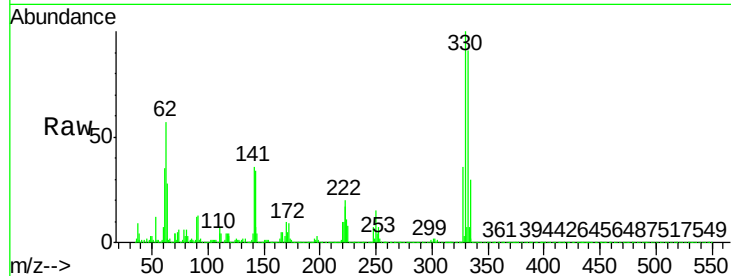




#42
2,4,6-Tribromophenol
Concen: 159.709 ng
RT: 15.70 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

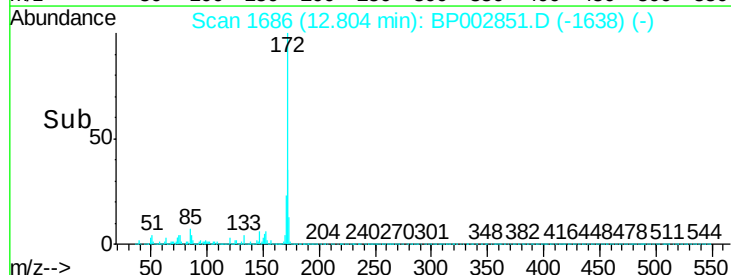
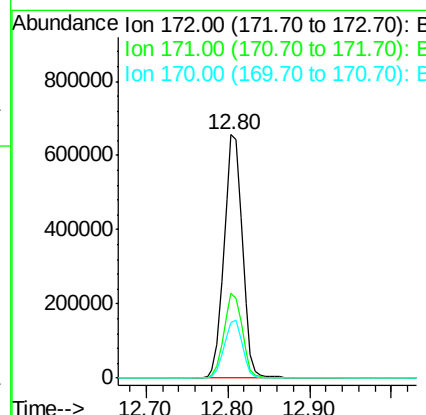
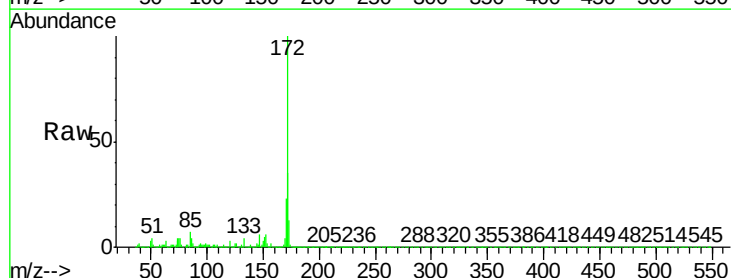
Instrument :
BNA_P
ClientSampleId :

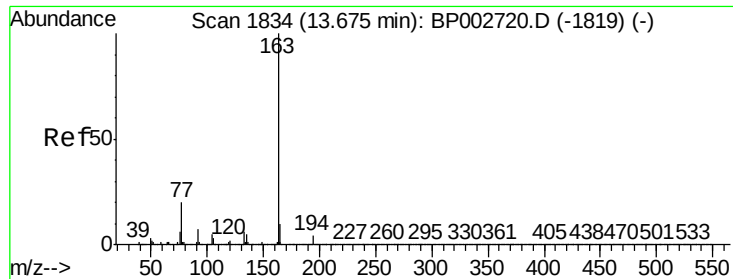
Tot Ion:330 Resp: 309593
Ion Ratio Lower Upper
330 100
332 93.0 76.5 114.7
141 35.7 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 85.750 ng
RT: 12.80 min Scan# 1686
Delta R.T. -0.02 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Tgt Ion:172 Resp: 1029387
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 22.9 19.3 28.9

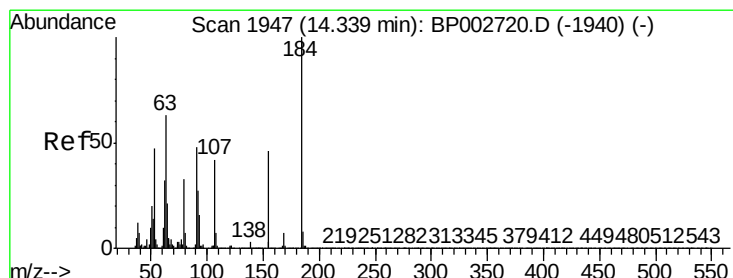
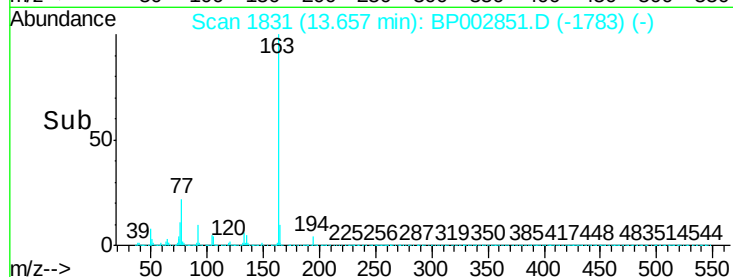
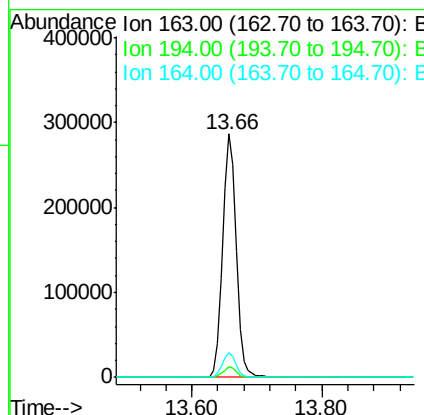
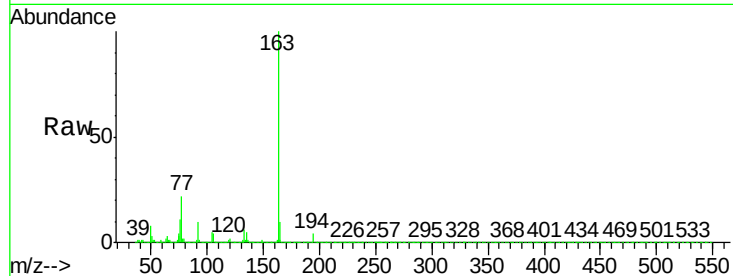




#50
Dimethylphthalate
Concen: 29.343 ng
RT: 13.66 min Scan# 1831
Delta R.T. -0.02 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

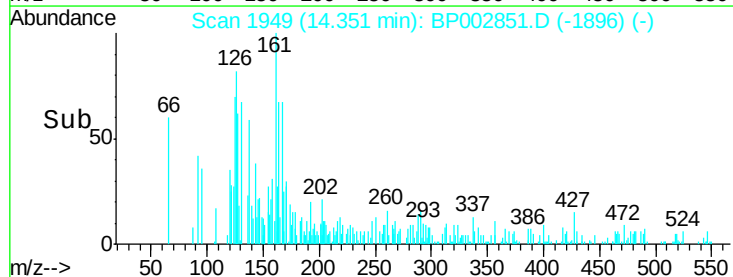
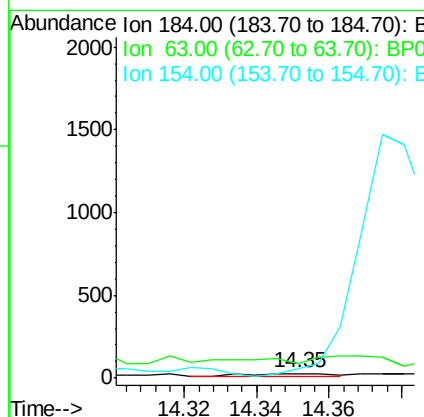
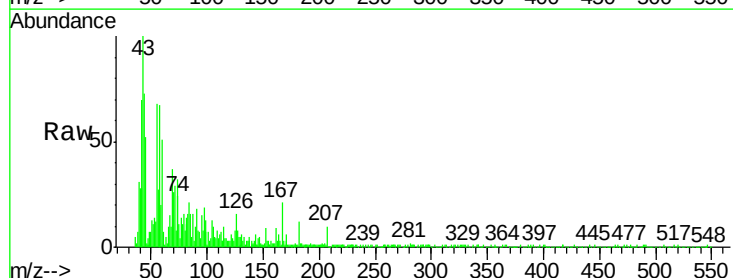
Instrument :
BNA_P
ClientSampleId :

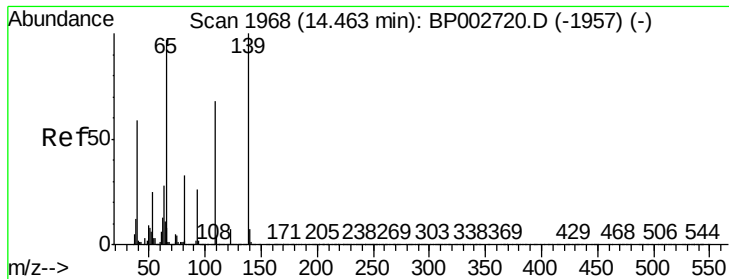
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.2	7.8	11.8



#54
2,4-Dinitrophenol
Concen: 11.393 ng
RT: 14.35 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Tgt Ion	Ratio	Lower	Upper
184	100		
63	313.8	51.6	77.4#
154	186.2	45.0	67.6#





#56

4-Nitrophenol

Concen: 5.003 ng

RT: 14.45 min Scan# 1965

Delta R.T. -0.02 min

Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

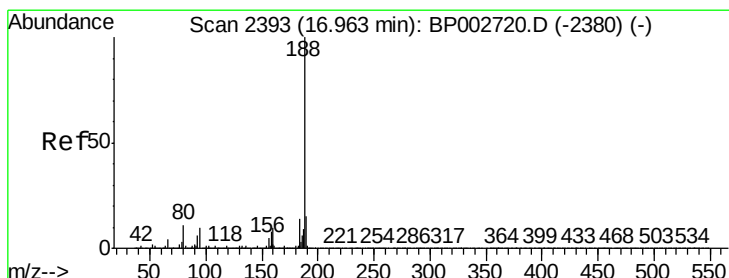
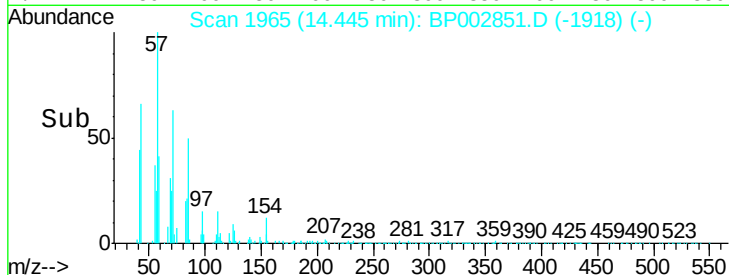
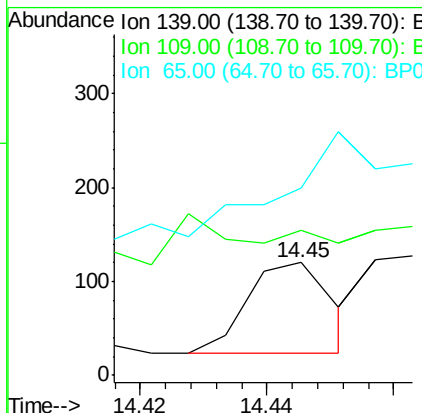
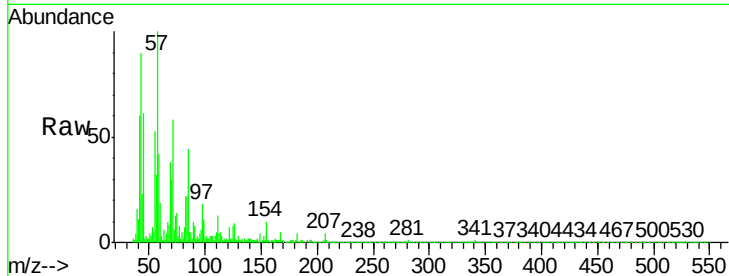
Instrument :

BNA_P

ClientSampled :

Tot Ion:139 Resp: 90

Ion	Ratio	Lower	Upper
139	100		
109	129.2	48.1	88.1#
65	166.7	77.9	117.9#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.96 min Scan# 2392

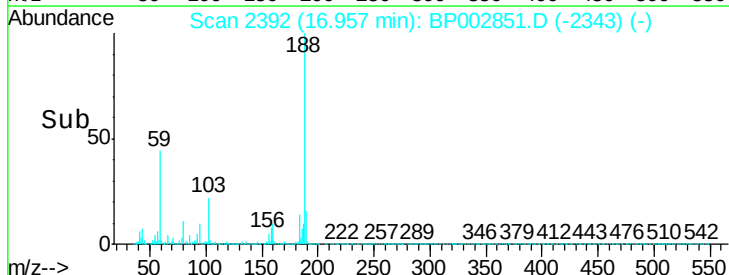
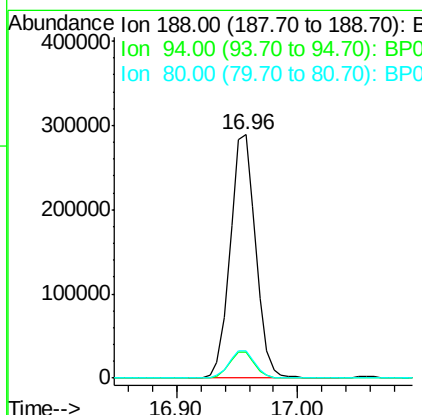
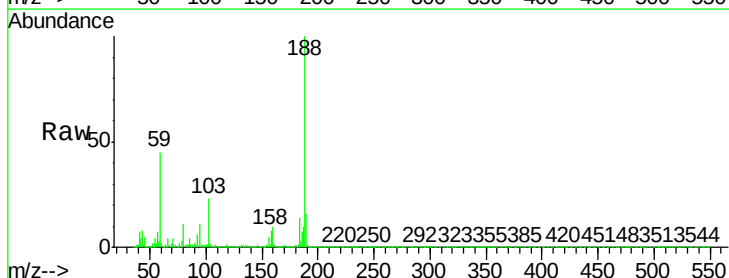
Delta R.T. -0.01 min

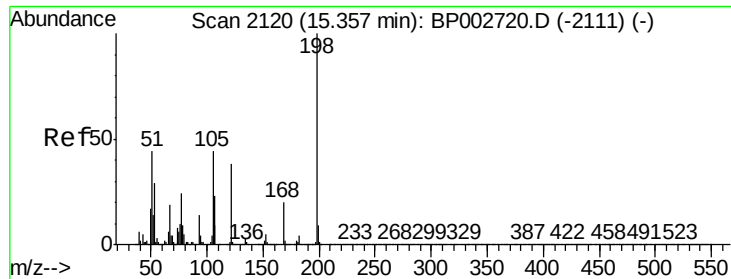
Lab File: BP002851.D

Acq: 23 Jul 2020 21:18

Tgt Ion:188 Resp: 423738

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.1	12.1
80	11.0	8.9	13.3

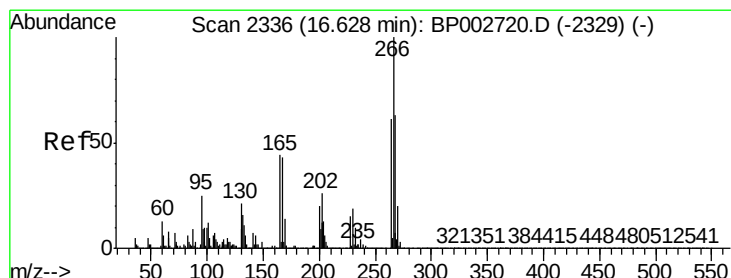
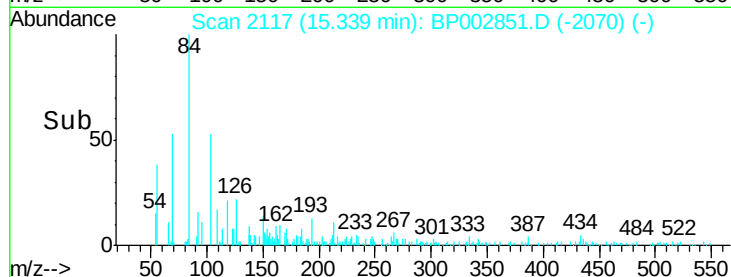
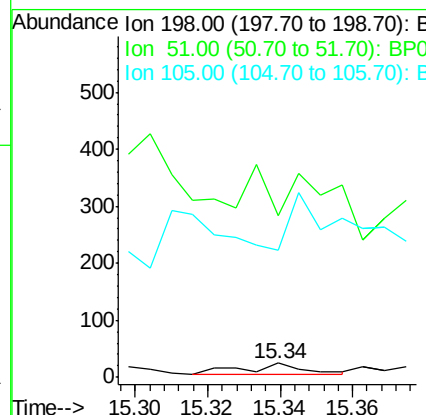
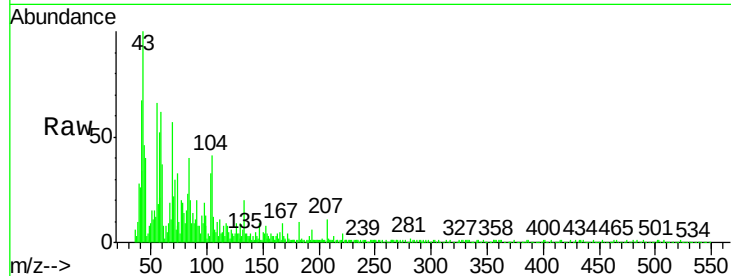




#65
4,6-Dinitro-2-methylphenol
Concen: 5.275 ng
RT: 15.34 min Scan# 2117
Delta R.T. -0.02 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

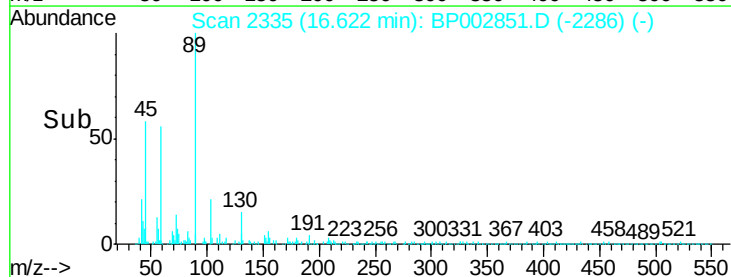
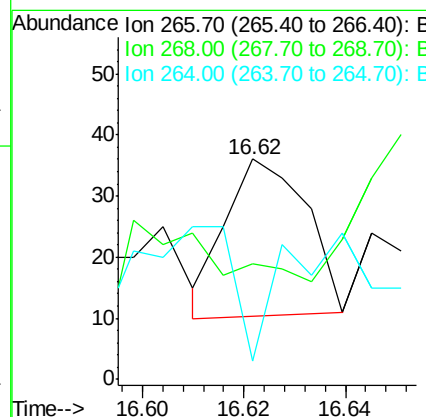
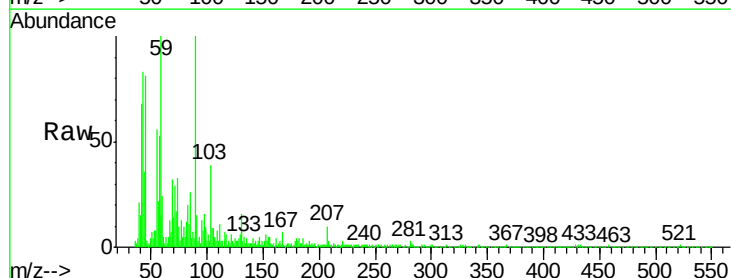
Instrument :
BNA_P
ClientSampled :

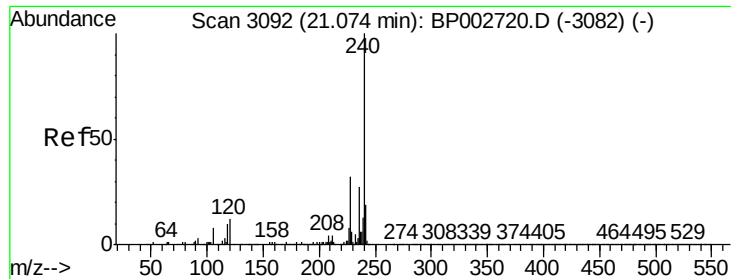
Tot Ion:198 Resp: 25
Ion Ratio Lower Upper
198 100
51 1136.0 27.1 67.1#
105 892.0 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.453 ng
RT: 16.62 min Scan# 2335
Delta R.T. -0.01 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Tgt Ion:266 Resp: 29
Ion Ratio Lower Upper
266 100
268 52.8 50.6 75.8
264 8.3 48.6 72.8#

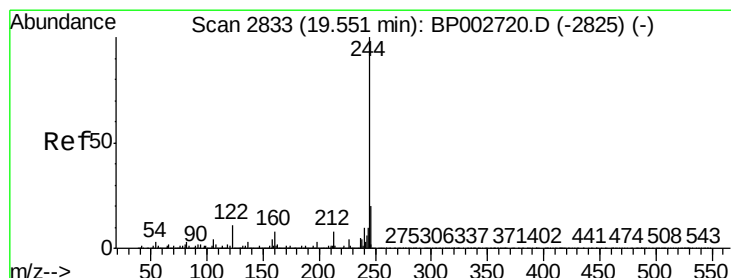
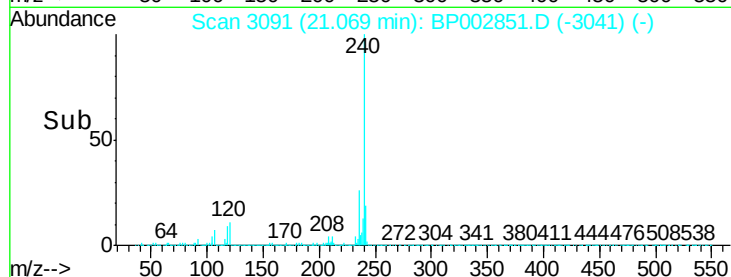
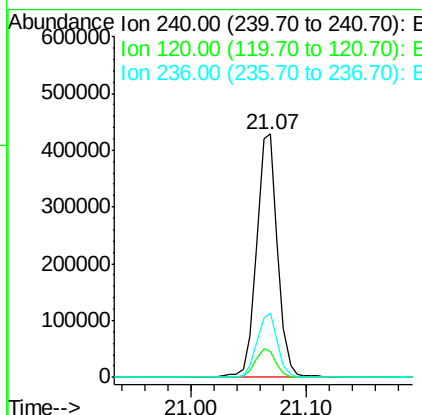
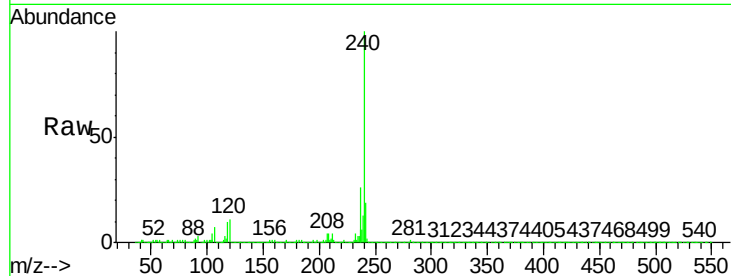




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.07 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BP002851.D
 Acq: 23 Jul 2020 21:18

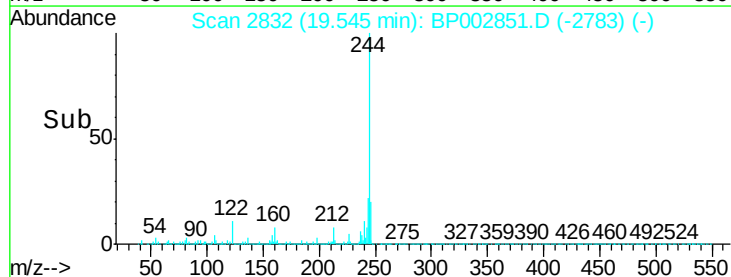
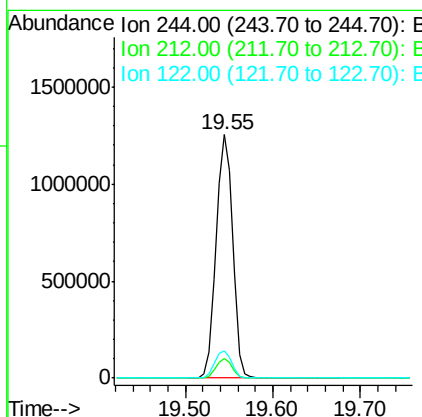
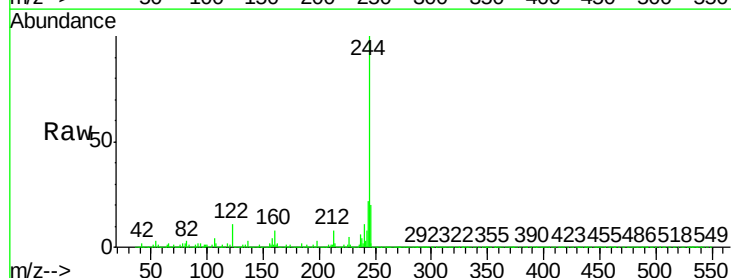
Instrument :
 BNA_P
 ClientSampled :

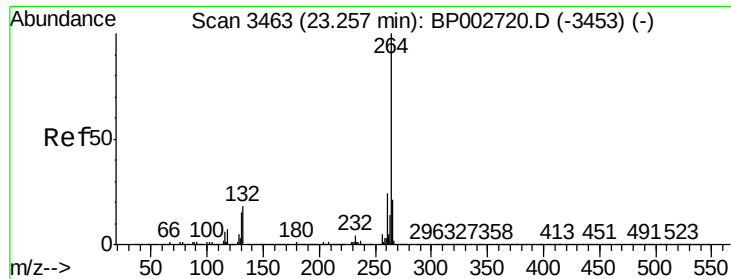
Tot Ion:240 Resp: 543534
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.4 14.2
 236 26.4 21.3 31.9



#79
 Terphenyl-d14
 Concen: 70.181 ng
 RT: 19.55 min Scan# 2832
 Delta R.T. -0.01 min
 Lab File: BP002851.D
 Acq: 23 Jul 2020 21:18

Tgt Ion:244 Resp: 1663770
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.0 9.0
 122 11.3 8.9 13.3





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.25 min Scan# 3462
Delta R.T. -0.01 min
Lab File: BP002851.D
Acq: 23 Jul 2020 21:18

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.3	28.9
265	20.9	16.8	25.2

