

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
 Data File : BP002779.D
 Acq On : 16 Jul 2020 19:03
 Operator : CG/JU
 Sample : L3308-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 5

Quant Time: Jul 17 00:29:27 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

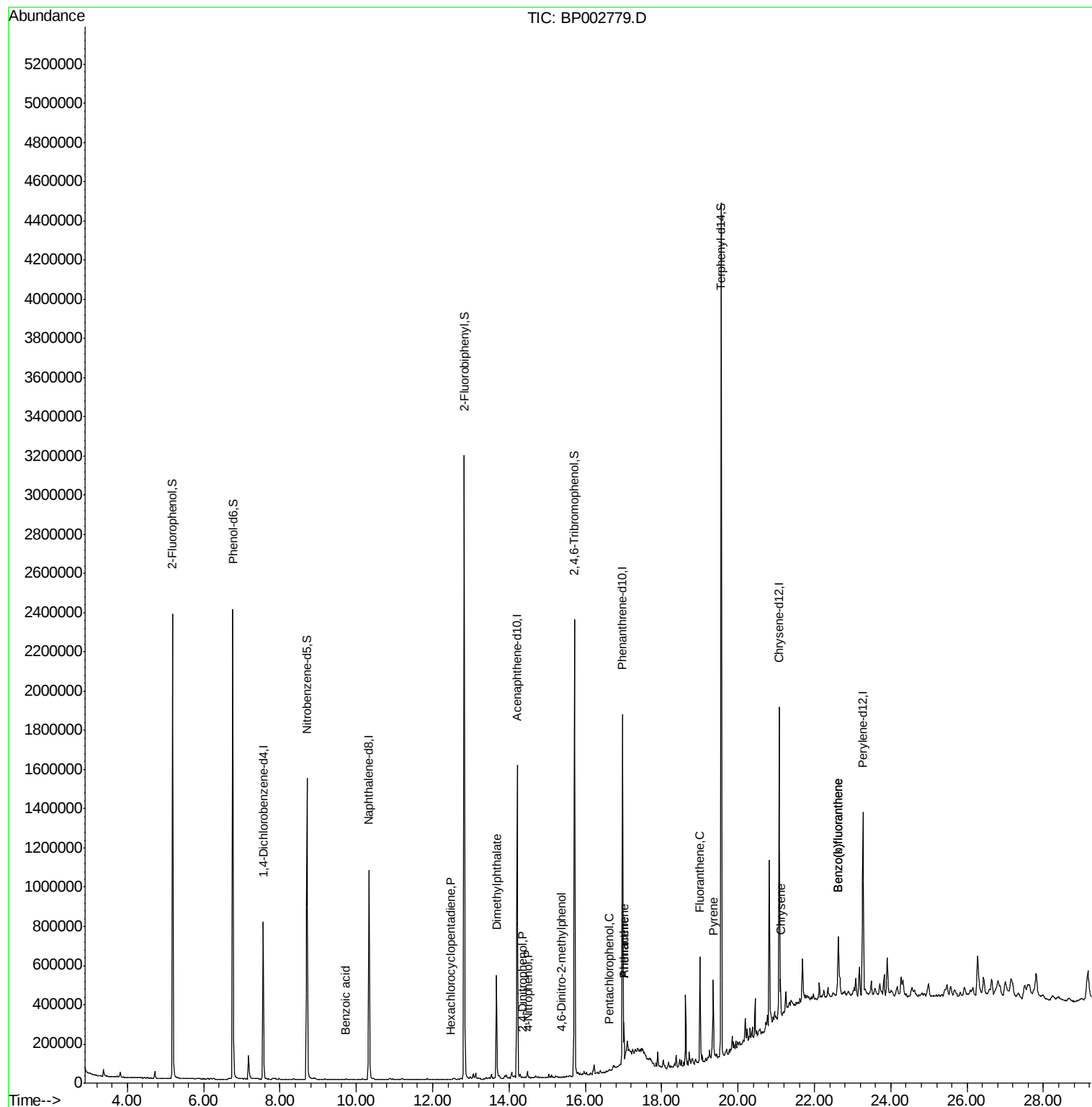
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	212752	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	898709	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	530360	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1018021	20.00	ng	0.00
76) Chrysene-d12	21.07	240	709386	20.00	ng	0.00
86) Perylene-d12	23.27	264	633936	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1048256	83.13	ng	0.00
7) Phenol-d6	6.76	99	1443775	80.23	ng	0.00
23) Nitrobenzene-d5	8.70	82	930670	55.39	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	443664	80.14	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1746218	50.93	ng	0.00
79) Terphenyl-d14	19.56	244	1864921	60.27	ng	0.00
Target Compounds						
32) Benzoic acid	9.72	122	198	7.079	ng	Qvalue # 1
41) Hexachlorocyclopentadiene	12.46	237	14	7.436	ng	85
50) Dimethylphthalate	13.67	163	353512	8.740	ng	99
54) 2,4-Dinitrophenol	14.34	184	41	11.381	ng	# 1
56) 4-Nitrophenol	14.50	139	98	4.984	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.37	198	23	5.270	ng	# 1
70) Pentachlorophenol	16.63	266	14	7.444	ng	# 1
71) Phenanthrene	17.01	178	121953	2.213	ng	98
72) Anthracene	17.01	178	121953	2.255	ng	98
75) Fluoranthene	19.00	202	314870	4.930	ng	98
78) Pyrene	19.35	202	234012	4.778	ng	98
83) Chrysene	21.12	228	112665	2.577	ng	97
88) Benzo(b)fluoranthene	22.62	252	132644	3.370	ng	# 94
89) Benzo(k)fluoranthene	22.62	252	132644	3.421	ng	# 95

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

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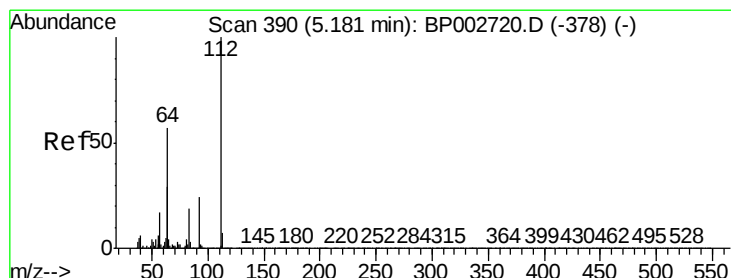
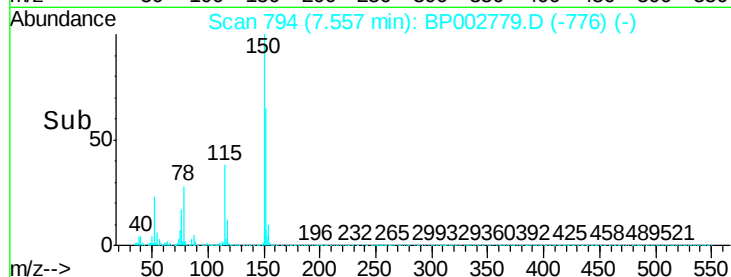
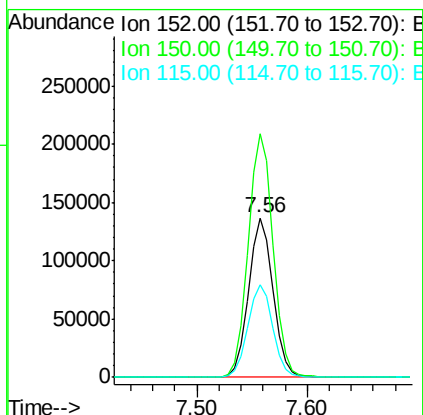
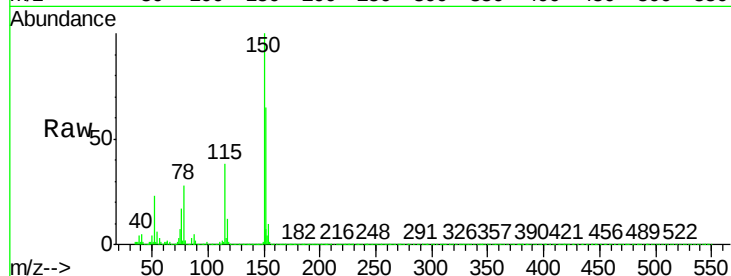


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

Instrument :
BNA_P
ClientSampled :
5

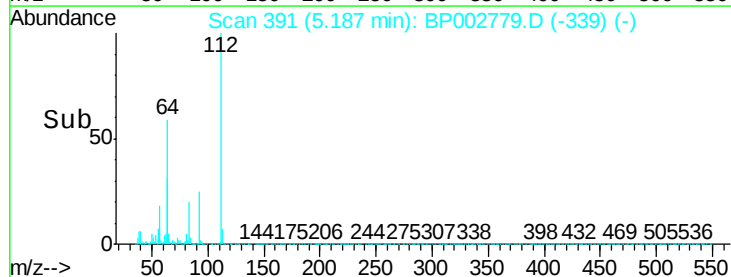
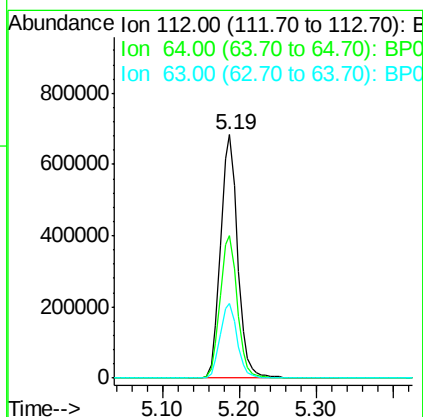
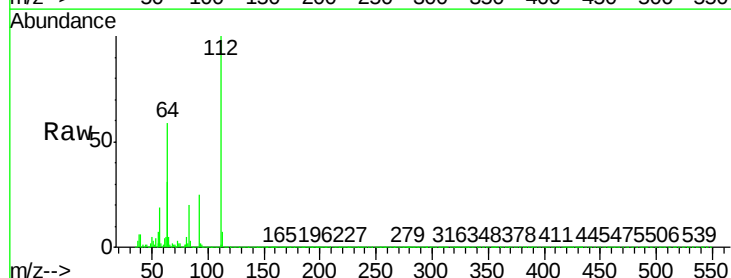
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	123.7	185.5
115	58.5	47.2	70.8

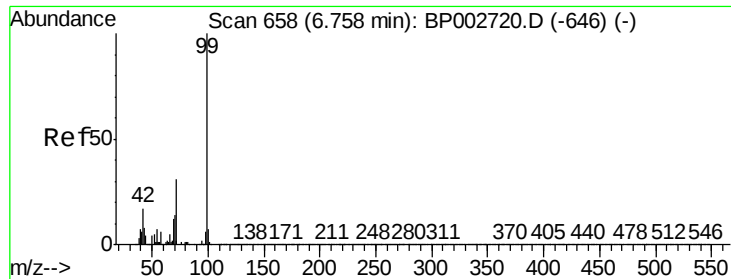


#5

2-Fluorophenol
Concen: 83.130 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	45.6	68.4
63	30.9	23.5	35.3





#7

Phenol-d6

Concen: 80.226 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

5

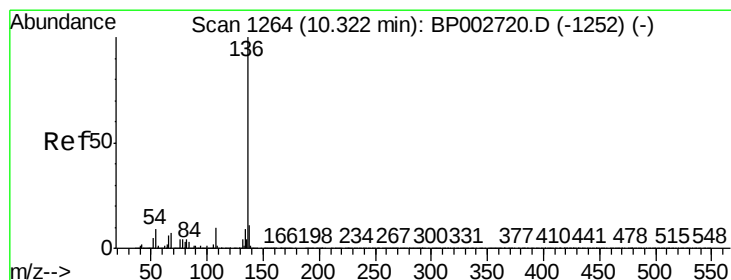
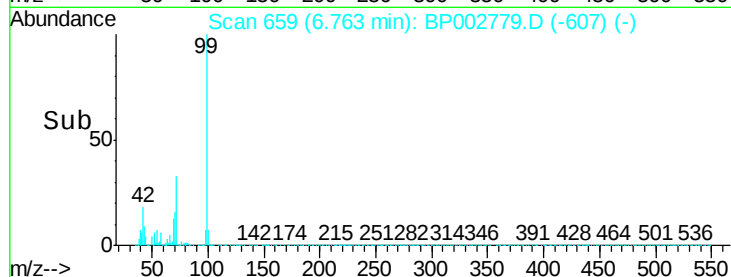
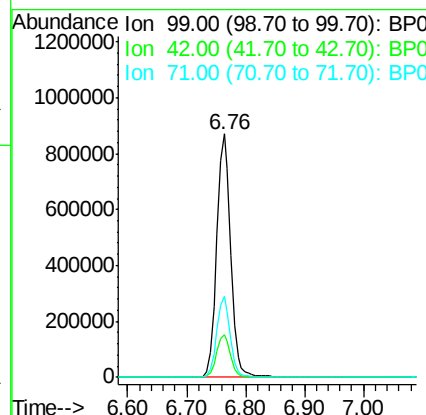
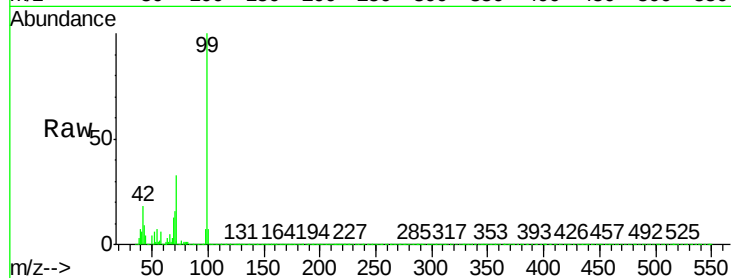
Tot Ion: 99 Resp: 1443775

Ion Ratio Lower Upper

99 100

42 17.7 13.4 20.2

71 33.1 24.6 36.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

Tgt Ion: 136 Resp: 898709

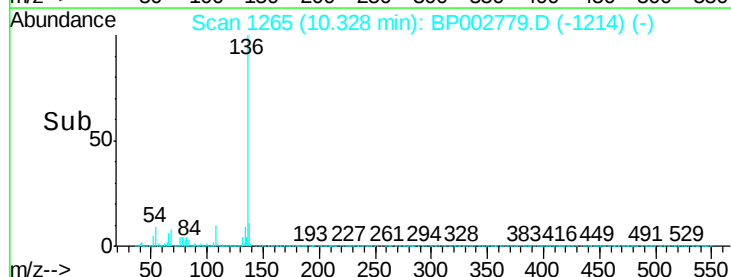
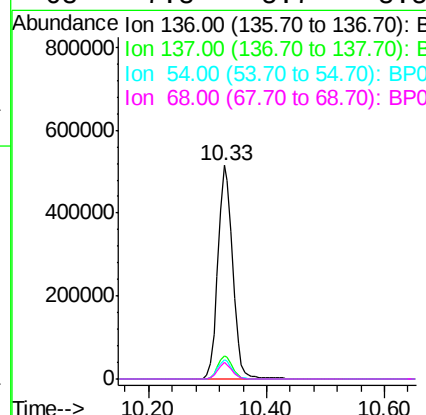
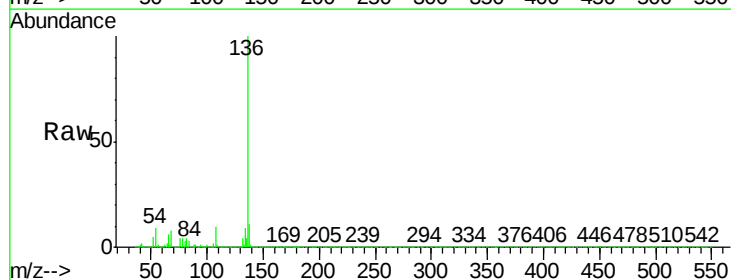
Ion Ratio Lower Upper

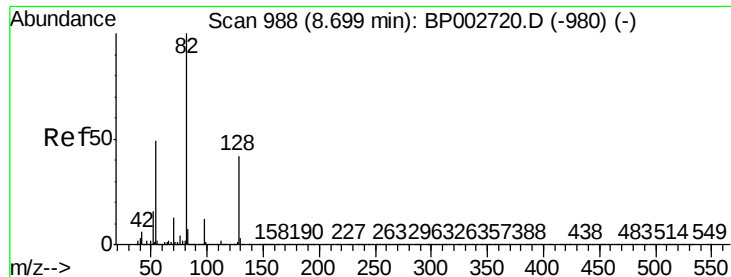
136 100

137 11.0 8.6 13.0

54 8.9 6.9 10.3

68 7.8 5.7 8.5

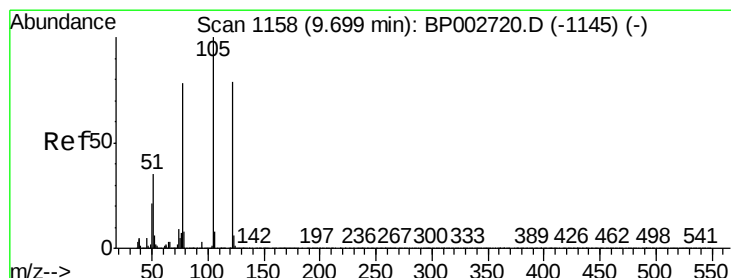
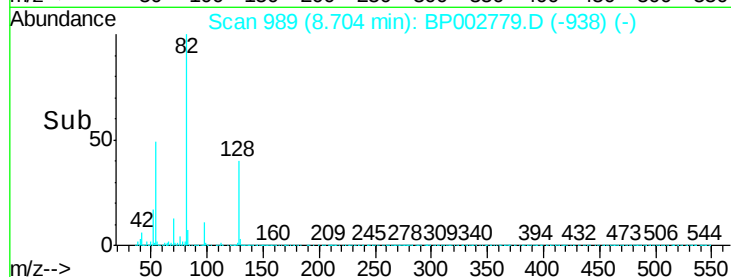
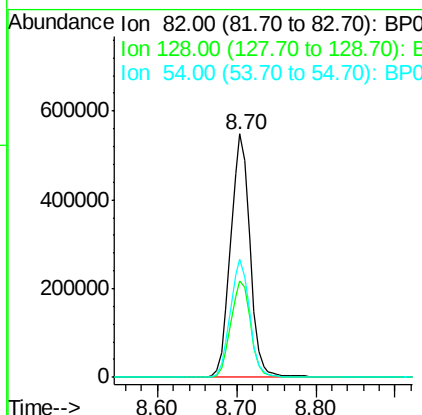
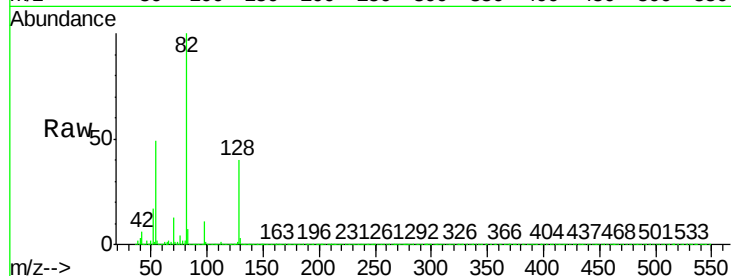




#23
 Nitrobenzene-d5
 Concen: 55.386 ng
 RT: 8.70 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: BP002779.D
 Acq: 16 Jul 2020 19:03

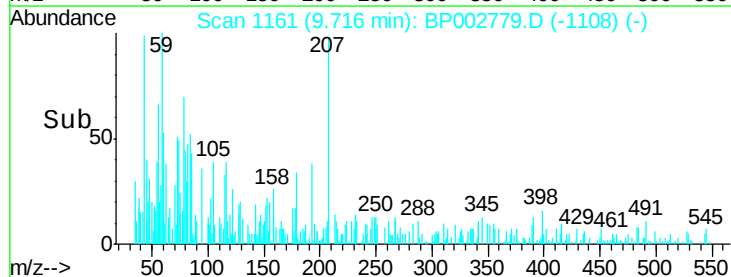
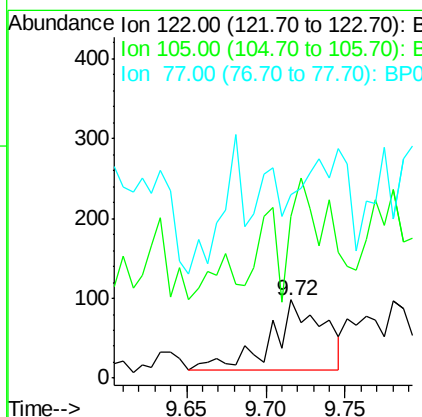
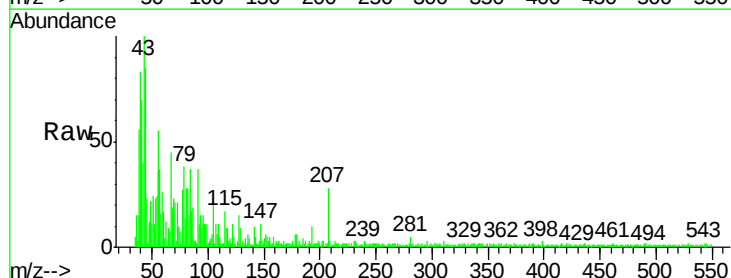
Instrument :
 BNA_P
 ClientSampleId :
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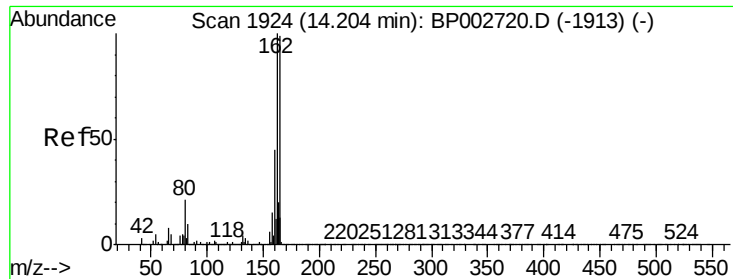
Tot Ion	82	Resp	930670
Ion Ratio	Lower	Upper	
82	100		
128	39.5	33.8	50.8
54	48.6	38.8	58.2



#32
 Benzoic acid
 Concen: 7.079 ng
 RT: 9.72 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BP002779.D
 Acq: 16 Jul 2020 19:03

Tgt Ion	122	Resp	198
Ion Ratio	Lower	Upper	
122	100		
105	207.1	105.4	145.4#
77	234.7	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.21 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

Instrument :

BNA_P

ClientSampled :

5

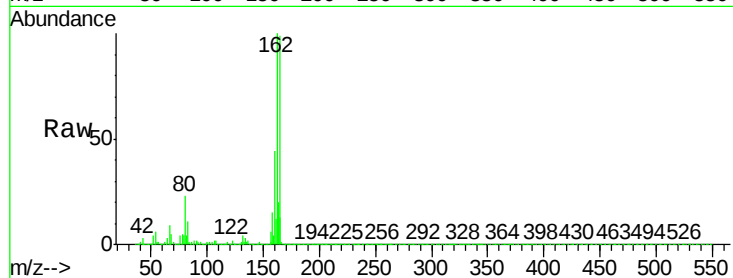
Tot Ion:164 Resp: 530360

Ion Ratio Lower Upper

164 100

162 101.2 80.6 121.0

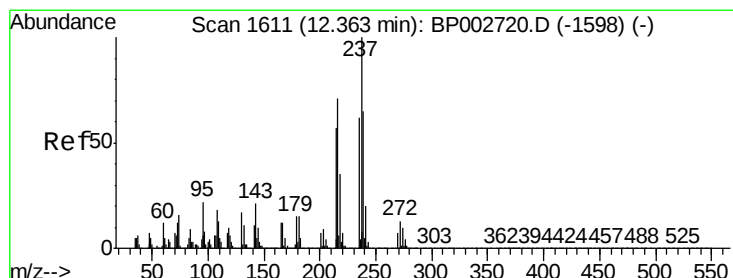
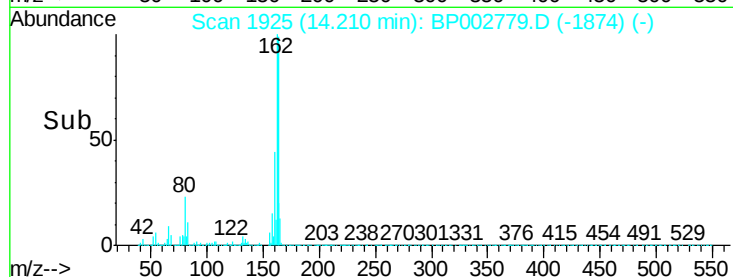
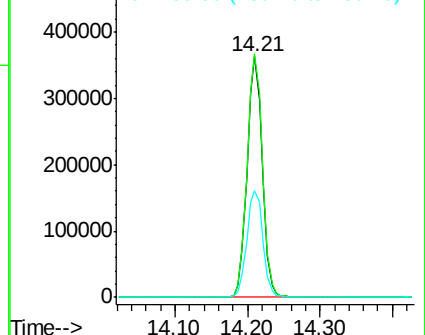
160 44.4 36.4 54.6



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: 7.436 ng

RT: 12.46 min Scan# 1627

Delta R.T. 0.09 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

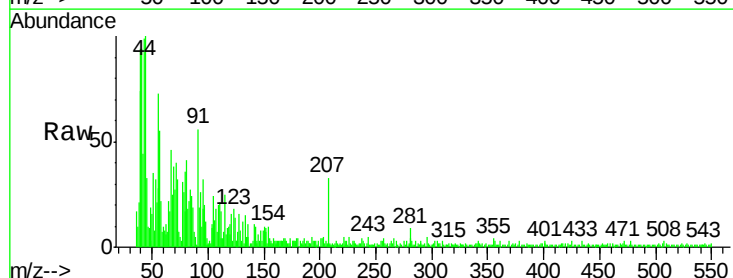
Tgt Ion:237 Resp: 14

Ion Ratio Lower Upper

237 100

235 53.6 42.3 82.3

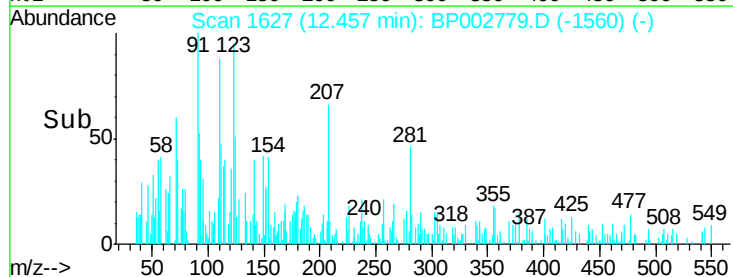
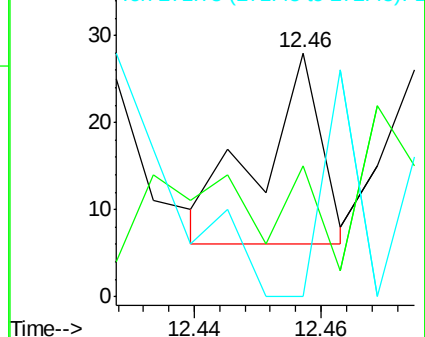
272 0.0 0.0 32.5

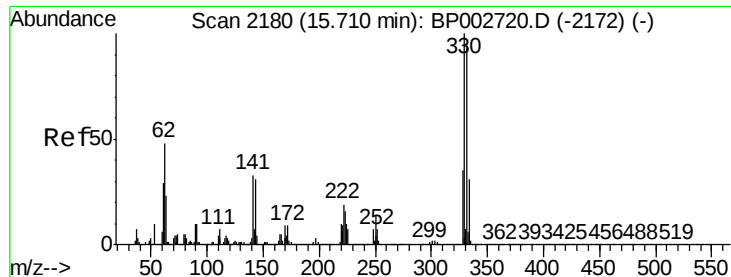


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

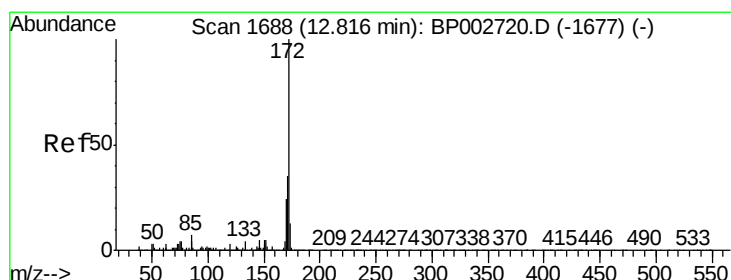
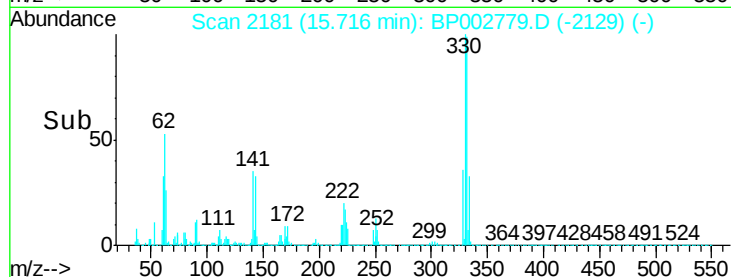
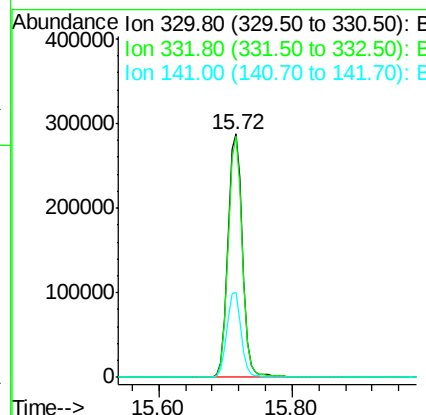
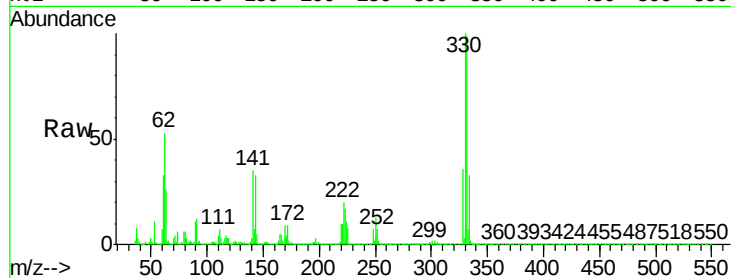




#42
2,4,6-Tribromophenol
Concen: 80.140 ng
RT: 15.72 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

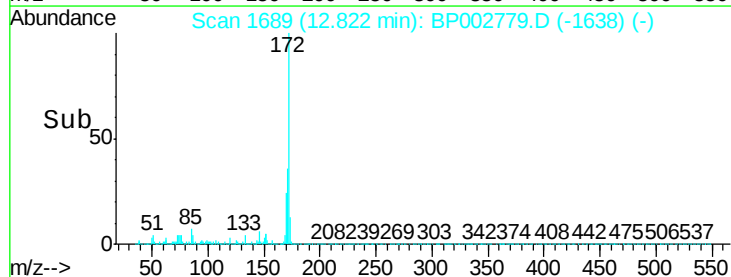
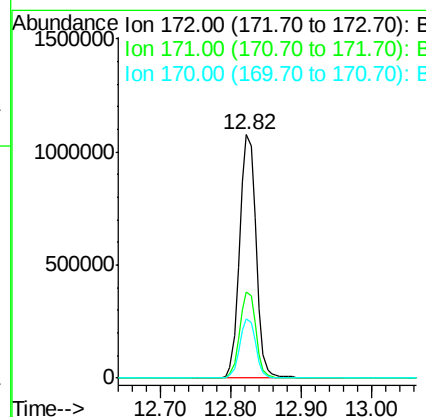
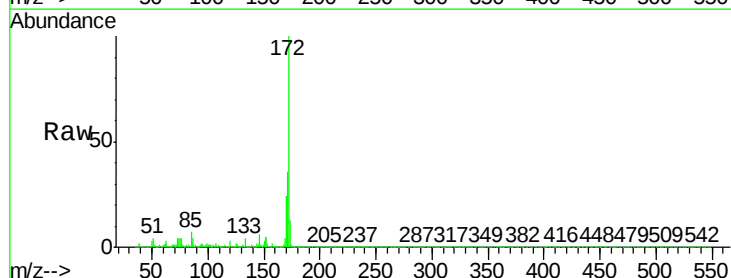
Instrument :
BNA_P
ClientSampleId :
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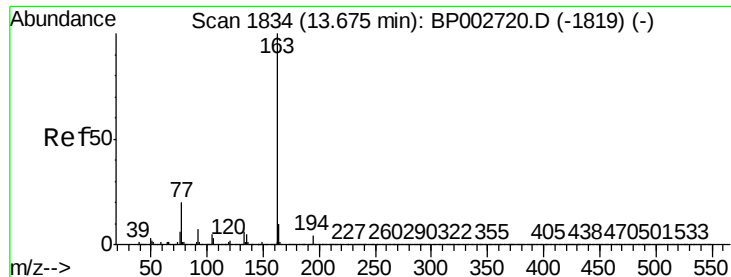
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.5	114.7
141	34.9	28.8	43.2



#45
2-Fluorobiphenyl
Concen: 50.935 ng
RT: 12.82 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.1	42.1
170	24.4	19.3	28.9





#50

Dimethylphthalate

Concen: 8.740 ng

RT: 13.67 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

5

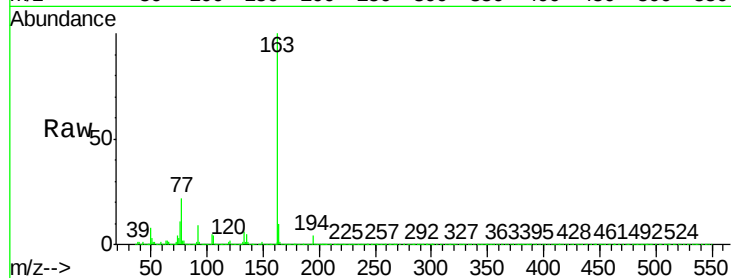
Tot Ion:163 Resp: 353512

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

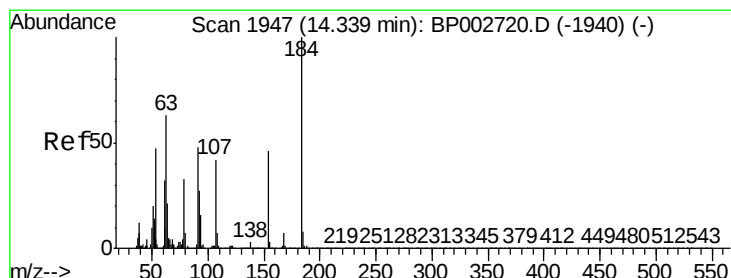
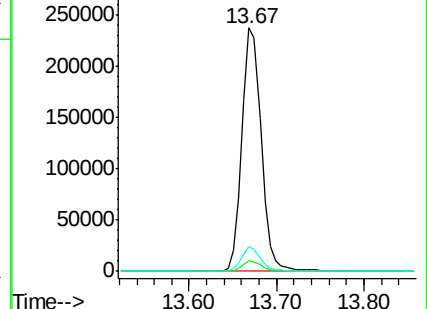
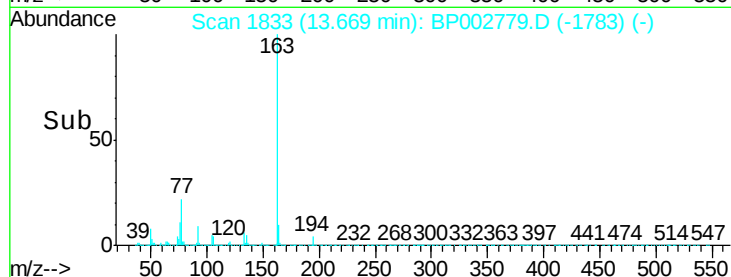
164 10.1 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 11.381 ng

RT: 14.34 min Scan# 1947

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

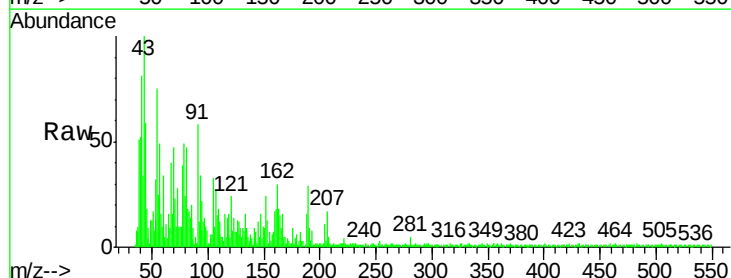
Tgt Ion:184 Resp: 41

Ion Ratio Lower Upper

184 100

63 317.9 51.6 77.4#

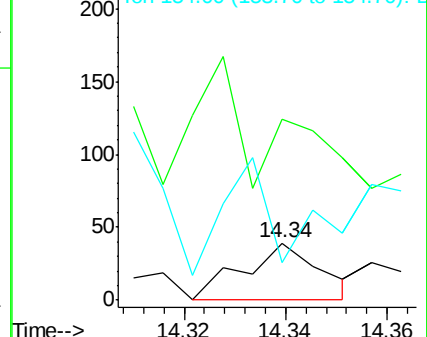
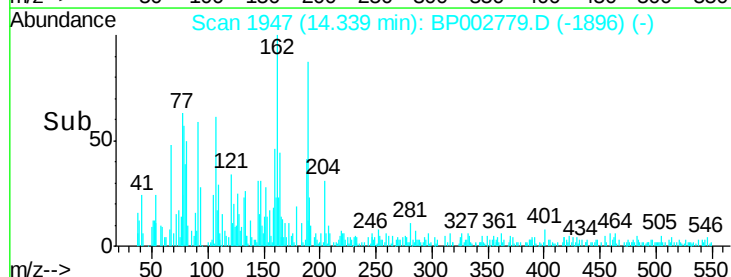
154 66.7 45.0 67.6

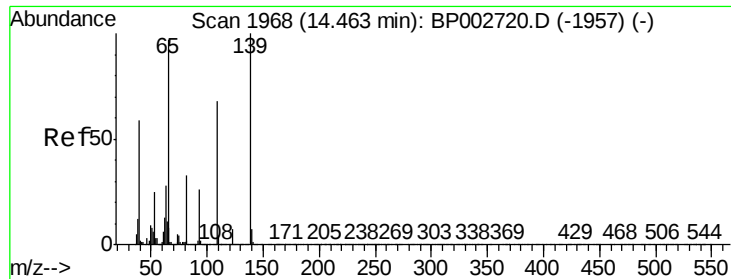


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

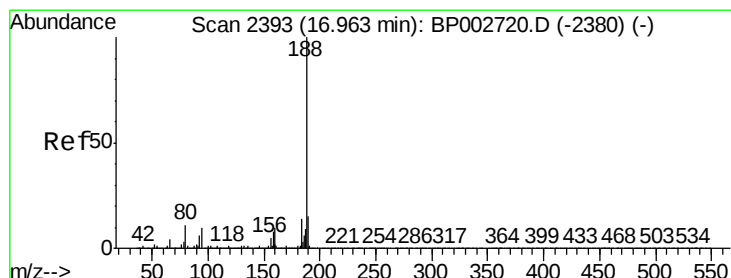
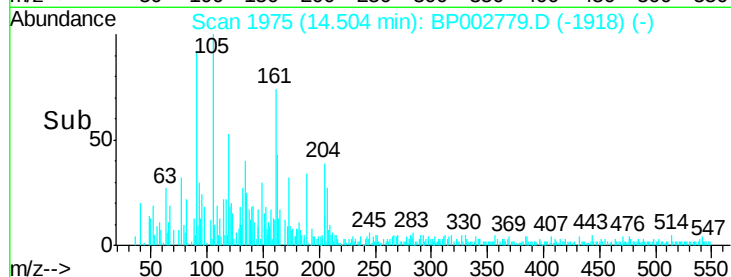
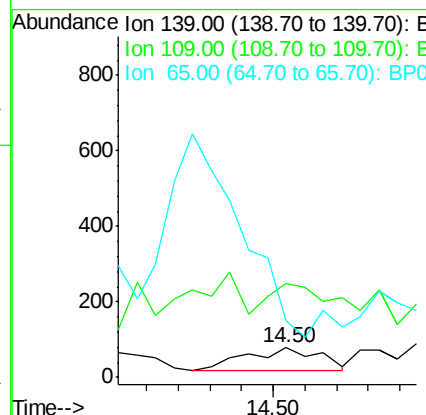
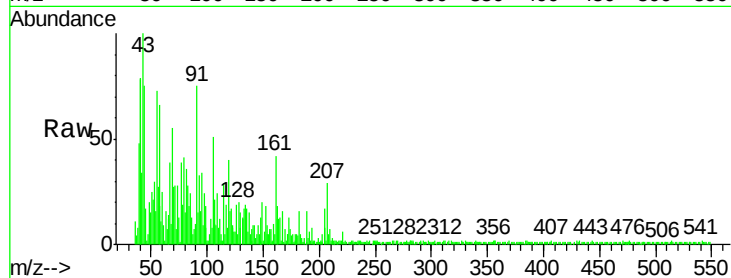




#56
4-Nitrophenol
Concen: 4.984 ng
RT: 14.50 min Scan# 1975
Delta R.T. 0.04 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

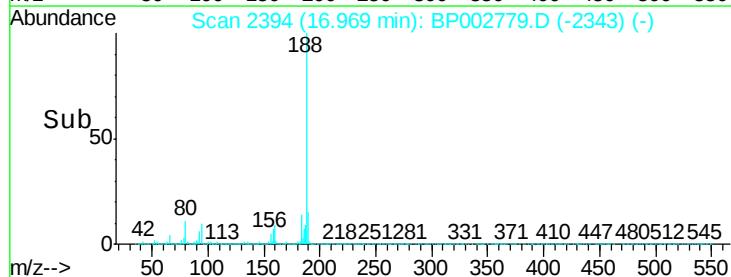
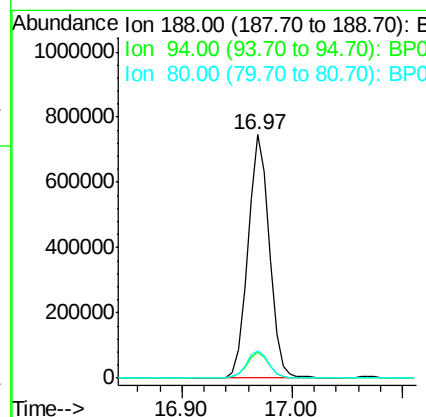
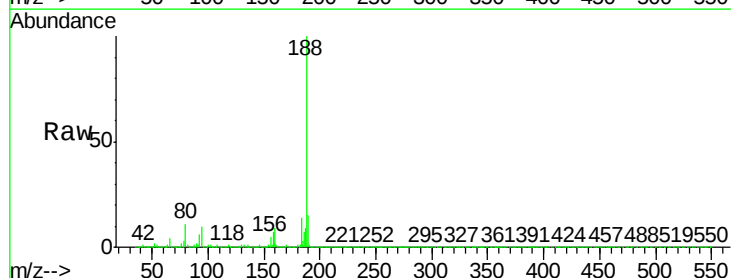
Instrument :
BNA_P
ClientSampleId :
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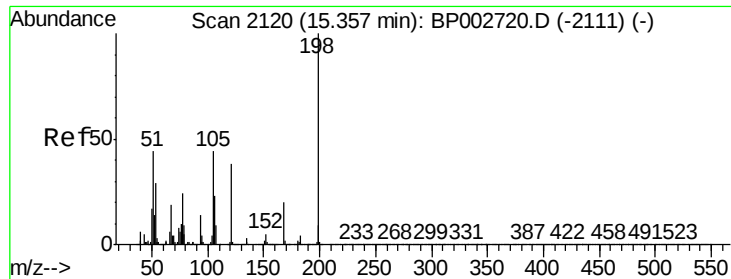
Tot Ion:139 Resp: 98
Ion Ratio Lower Upper
139 100
109 320.5 48.1 88.1#
65 191.0 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2394
Delta R.T. 0.00 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

Tgt Ion:188 Resp: 1018021
Ion Ratio Lower Upper
188 100
94 10.5 8.1 12.1
80 11.2 8.9 13.3

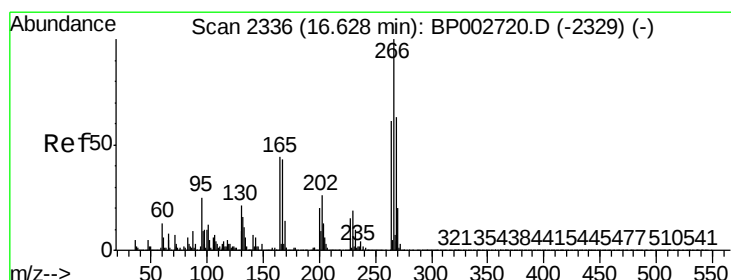
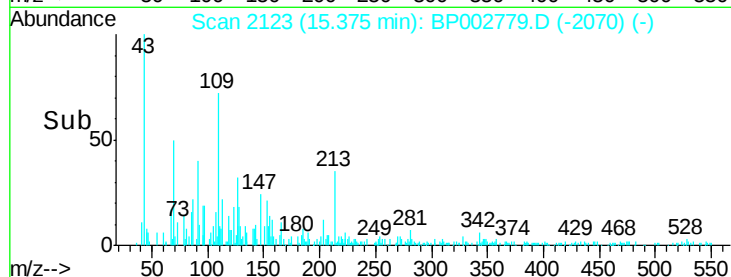
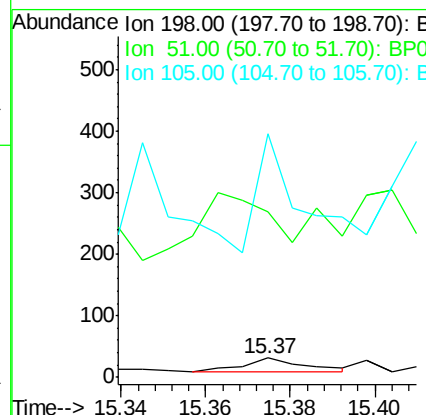
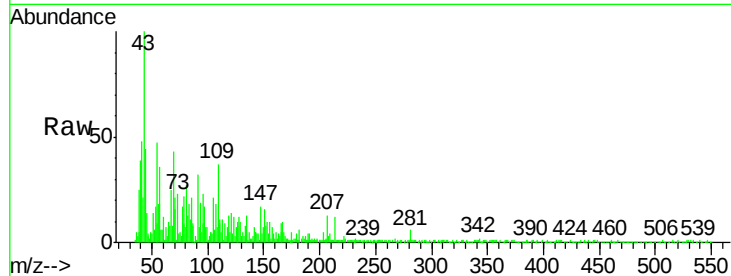




#65
4,6-Dinitro-2-methylphenol
Concen: 5.270 ng
RT: 15.37 min Scan# 2123
Delta R.T. 0.01 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

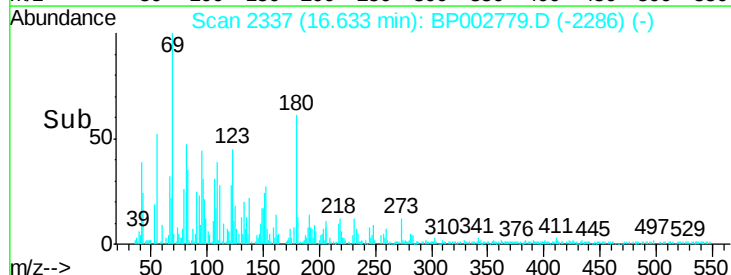
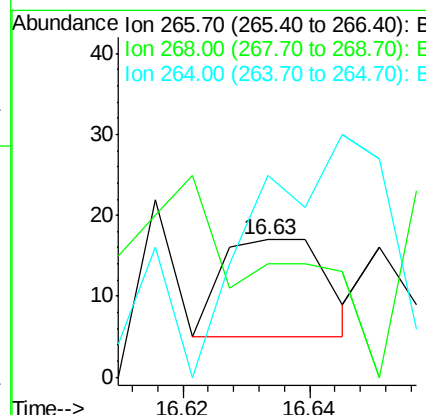
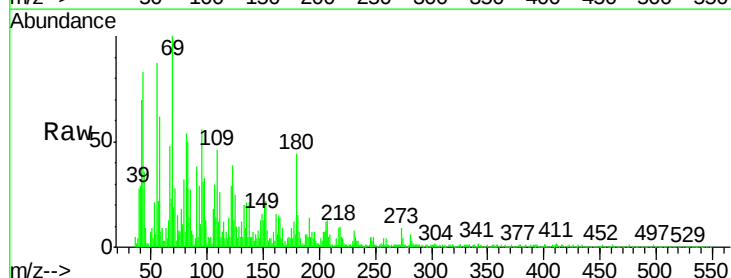
Instrument :
BNA_P
ClientSampleId :
5

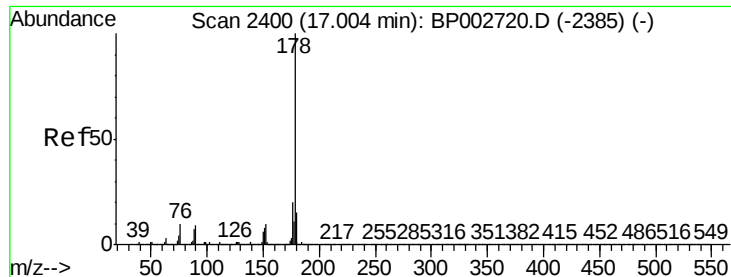
Tot Ion:198 Resp: 23
Ion Ratio Lower Upper
198 100
51 871.0 27.1 67.1#
105 1277.4 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.444 ng
RT: 16.63 min Scan# 2337
Delta R.T. 0.00 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

Tgt Ion:266 Resp: 14
Ion Ratio Lower Upper
266 100
268 158.8 50.6 75.8#
264 147.1 48.6 72.8#

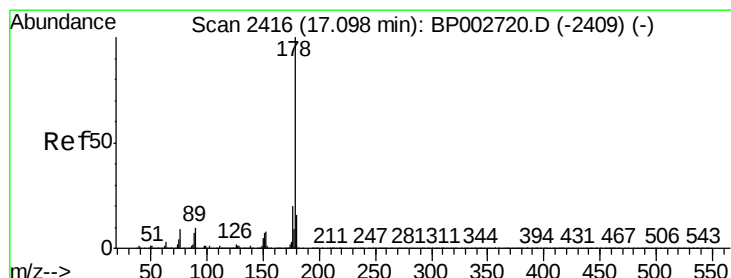
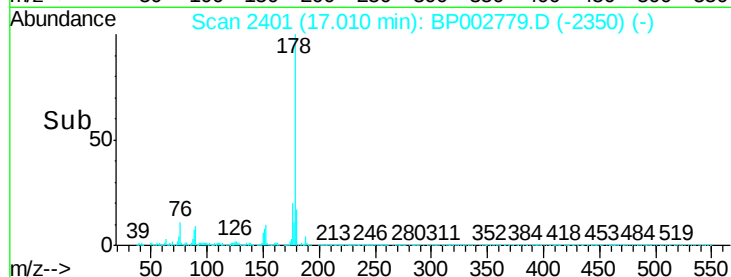
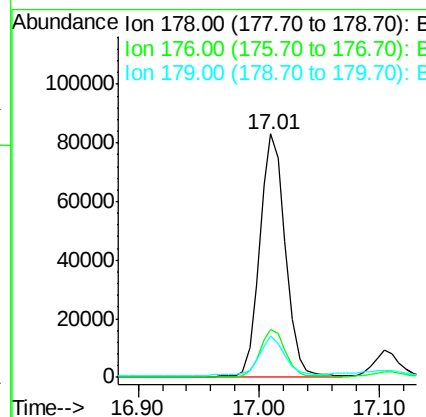
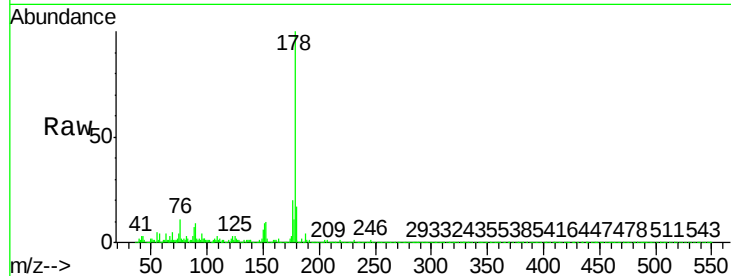




#71
Phenanthrene
Concen: 2.213 ng
RT: 17.01 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

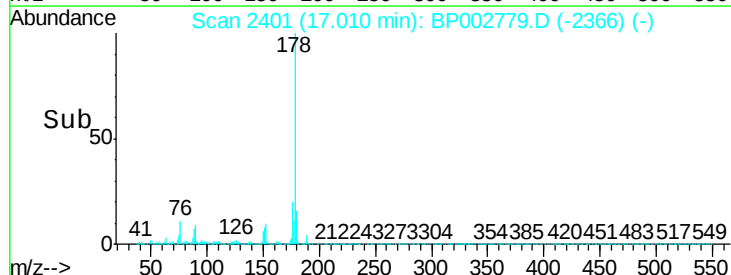
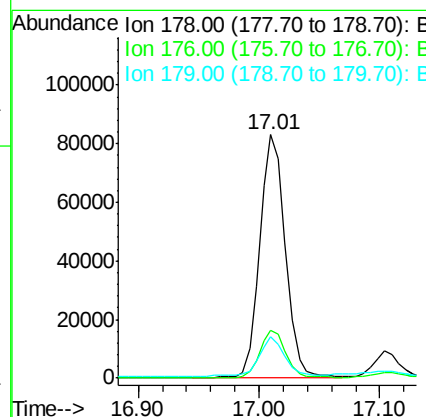
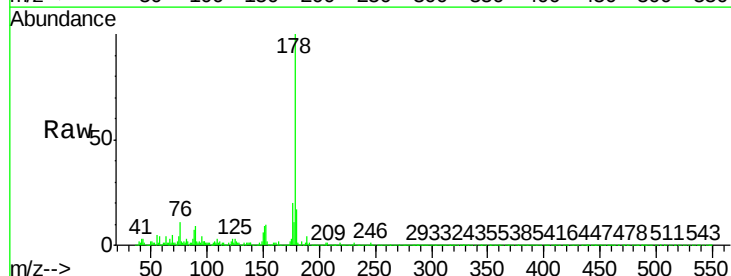
Instrument :
BNA_P
ClientSampled :
5

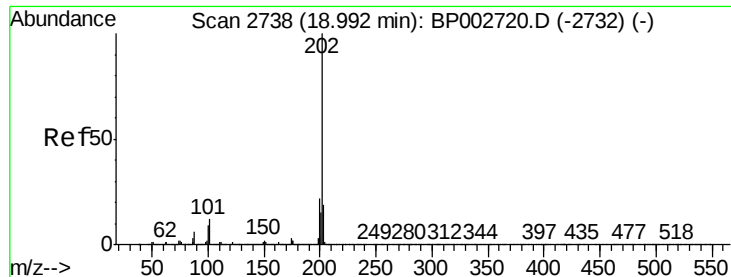
Tot Ion:178 Resp: 121953
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 17.1 12.3 18.5



#72
Anthracene
Concen: 2.255 ng
RT: 17.01 min Scan# 2401
Delta R.T. -0.09 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

Tgt Ion:178 Resp: 121953
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 17.1 12.6 19.0





#75

Fluoranthene

Concen: 4.930 ng

RT: 19.00 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

Instrument :

BNA_P

ClientSampleId :

5

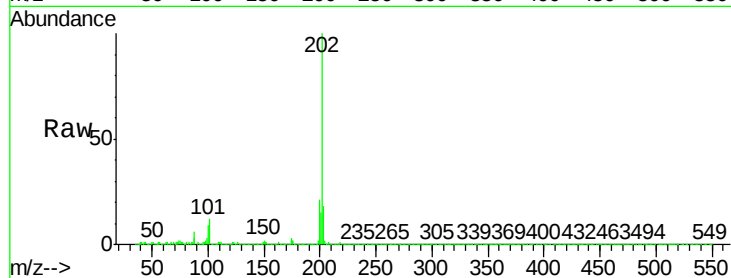
Tot Ion:202 Resp: 314870

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.5

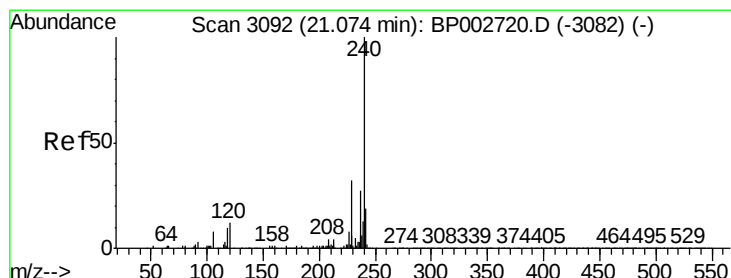
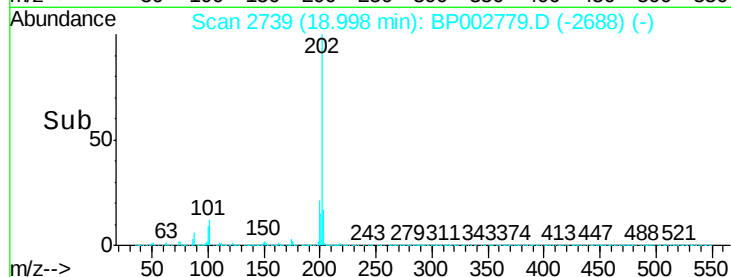
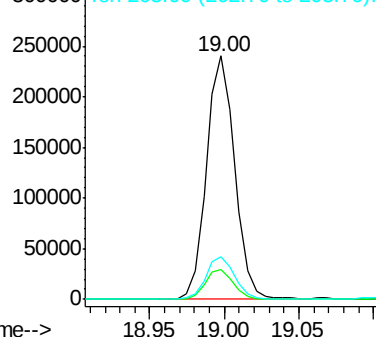
203 17.6 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

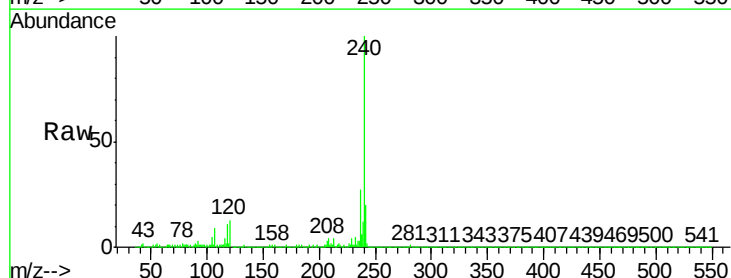
Tgt Ion:240 Resp: 709386

Ion Ratio Lower Upper

240 100

120 12.7 9.4 14.2

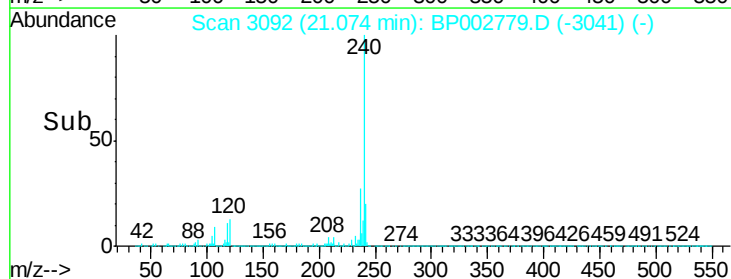
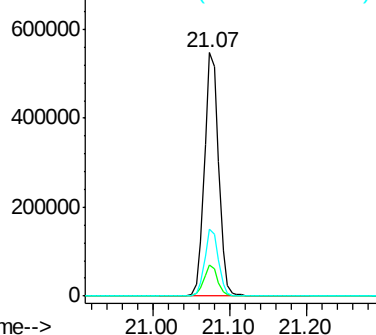
236 27.3 21.3 31.9

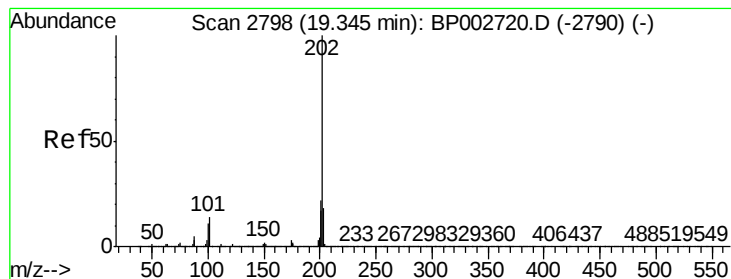


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.778 ng

RT: 19.35 min Scan# 2799

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

Instrument :

BNA_P

ClientSampled :

5

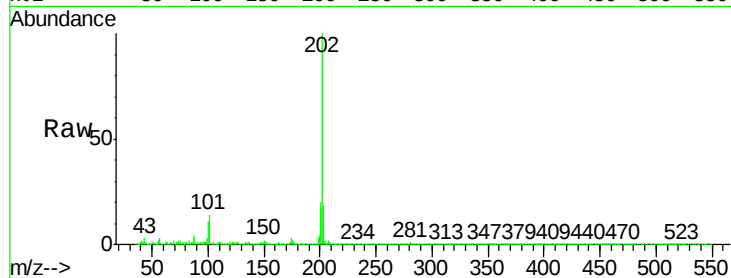
Tot Ion:202 Resp: 234012

Ion Ratio Lower Upper

202 100

200 20.3 17.7 26.5

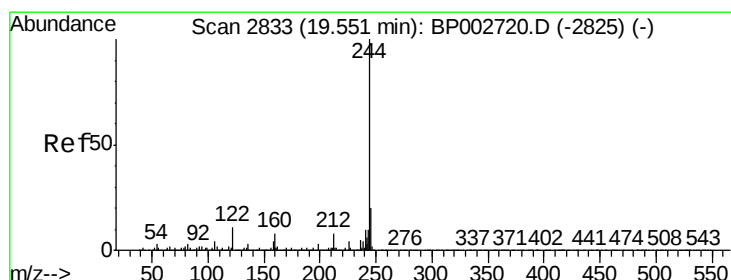
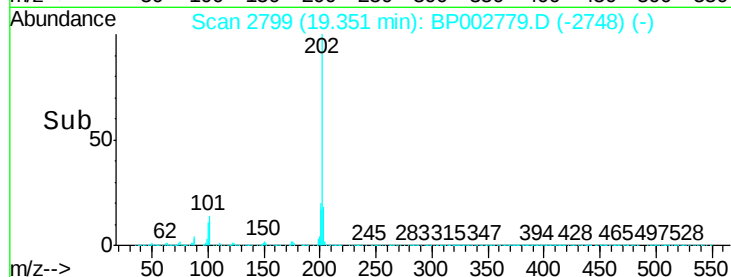
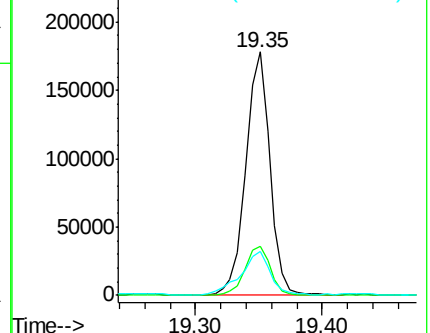
203 18.0 14.5 21.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 60.274 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

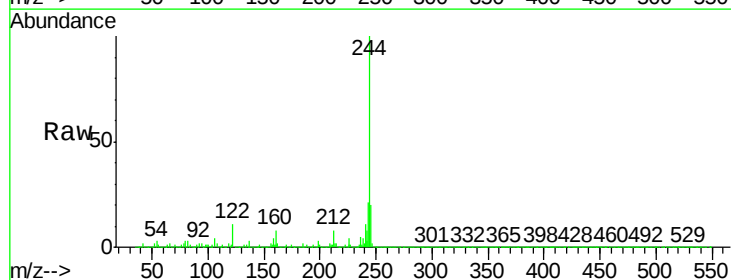
Tgt Ion:244 Resp: 1864921

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

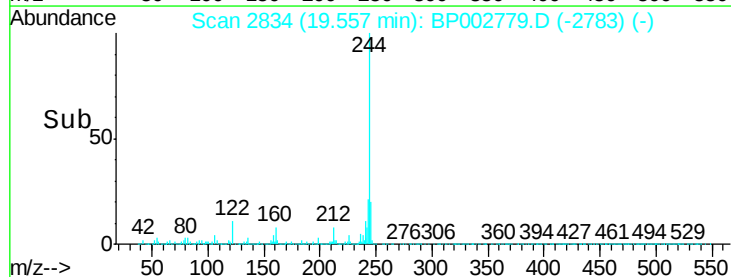
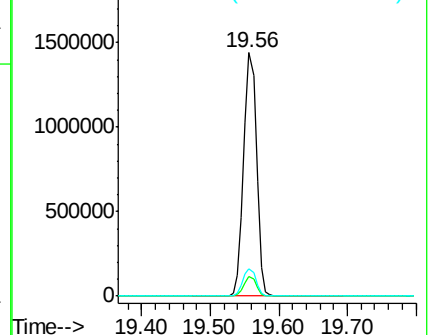
122 11.4 8.9 13.3

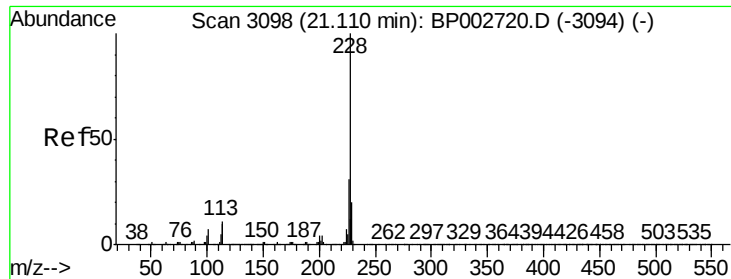


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

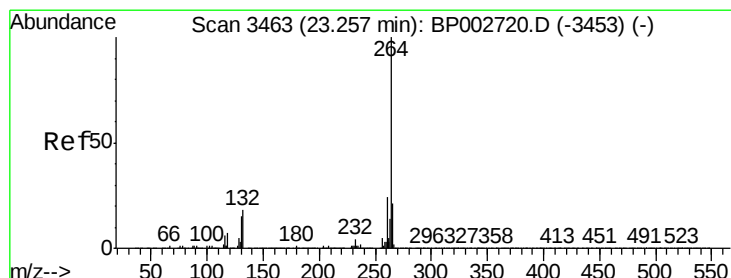
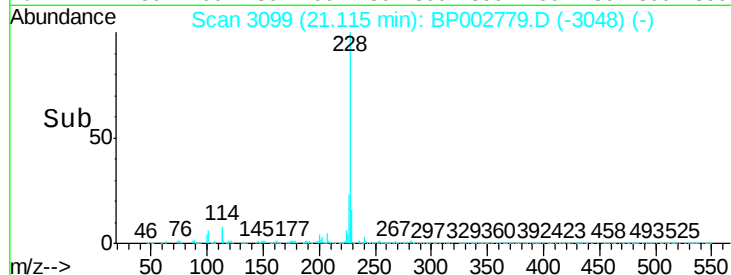
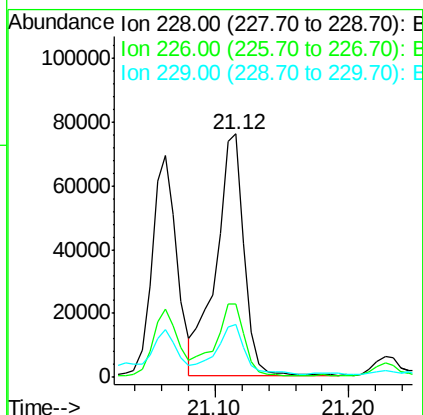
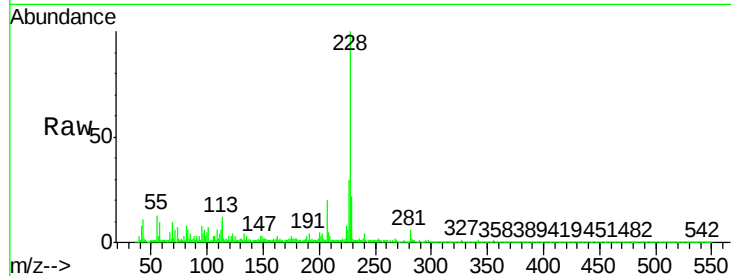




#83
Chrysene
Concen: 2.577 ng
RT: 21.12 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

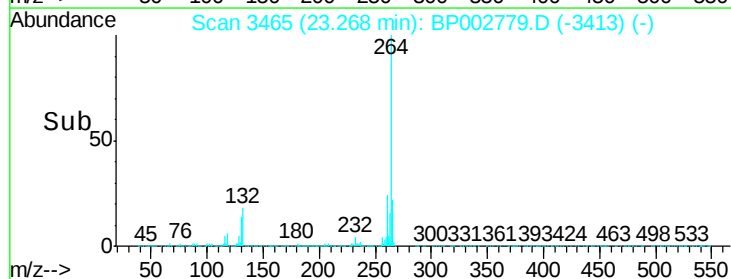
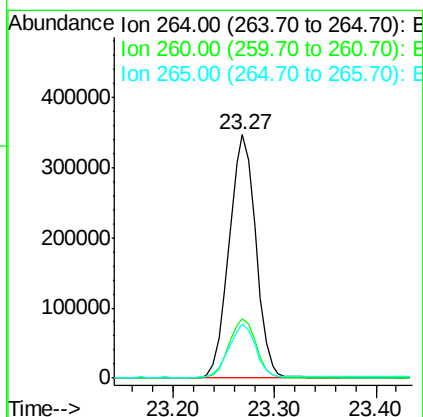
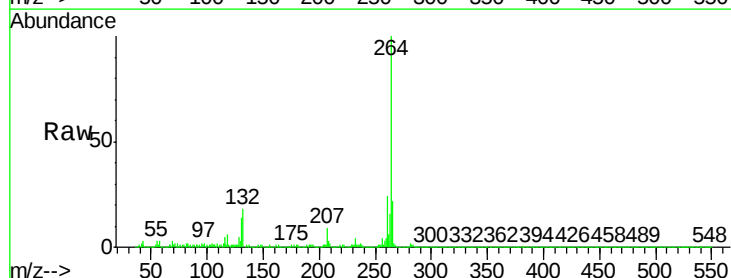
Instrument :
BNA_P
ClientSampled :
5

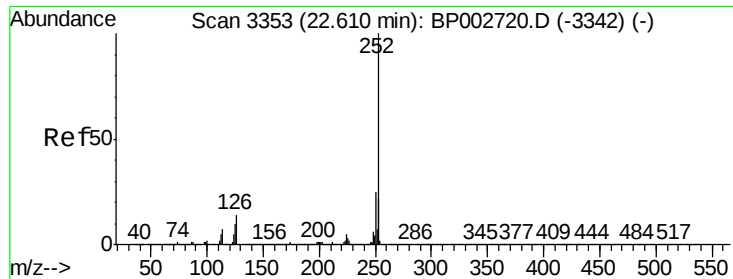
Tot Ion:228 Resp: 112665
Ion Ratio Lower Upper
228 100
226 29.9 24.6 37.0
229 21.9 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BP002779.D
Acq: 16 Jul 2020 19:03

Tgt Ion:264 Resp: 633936
Ion Ratio Lower Upper
264 100
260 24.3 19.3 28.9
265 22.2 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 3.370 ng

RT: 22.62 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

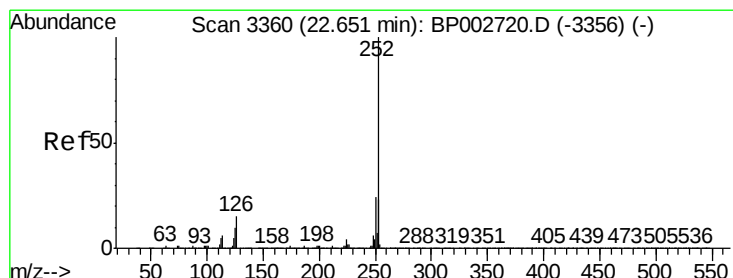
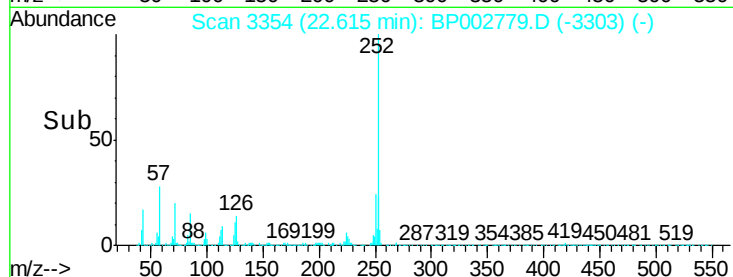
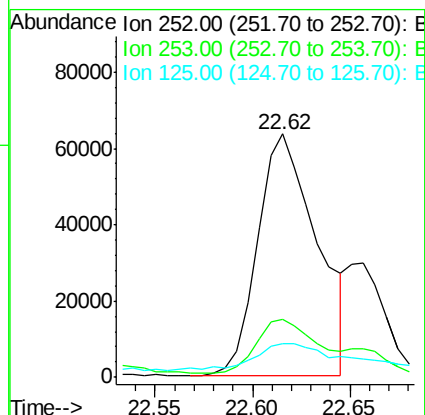
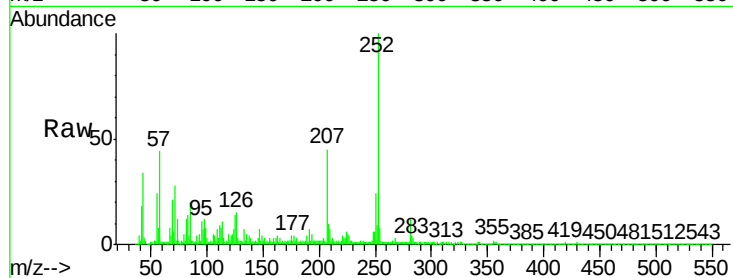
Instrument :

BNA_P

ClientSampleId :

5

Tot Ion:252	Resp:	132644
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.7 26.5
125	13.9	8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 3.421 ng

RT: 22.62 min Scan# 3354

Delta R.T. -0.04 min

Lab File: BP002779.D

Acq: 16 Jul 2020 19:03

Tgt Ion:252	Resp:	132644
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.8 26.8
125	13.9	8.3 12.5#

