

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002828.D
 Acq On : 22 Jul 2020 16:58
 Operator : CG/JU
 Sample : L3363-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 22 18:45:17 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	7.55	152	157634	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	637997	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	363873	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	596672	20.00	ng	0.00
76) Chrysene-d12	21.09	240	244758	20.00	ng	0.02
86) Perylene-d12	23.29	264	354280	20.00	ng	0.02

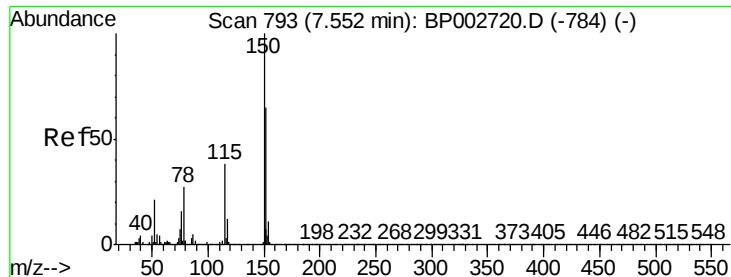
System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	580080	62.09	ng	0.00
7) Phenol-d6	6.75	99	809420	60.70	ng	0.00
23) Nitrobenzene-d5	8.69	82	590742	49.52	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	232625	61.25	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	1256057	53.40	ng	-0.01
79) Terphenyl-d14	19.56	244	665731	62.36	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.70	77	21774	3.006	ng	# 1
18) Hexachloroethane	8.65	117	27257	6.433	ng	# 1
22) Acetophenone	8.35	105	52534	3.340	ng	# 60
31) Naphthalene	10.36	128	81462	2.418	ng	# 98
32) Benzoic acid	9.68	122	29	7.066	ng	# 1
37) 2-Methylnaphthalene	11.99	142	53461	2.249	ng	# 95
38) 1-Methylnaphthalene	11.99	142	53461	2.378	ng	# 92
41) Hexachlorocyclopentadiene	12.29	237	9	7.436	ng	# 81
50) Dimethylphthalate	13.66	163	133980	4.828	ng	# 98
54) 2,4-Dinitrophenol	14.35	184	99	11.400	ng	# 1
56) 4-Nitrophenol	14.42	139	832	5.118	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.39	198	504	5.392	ng	# 1
70) Pentachlorophenol	16.62	266	326	7.531	ng	# 1
71) Phenanthrene	17.00	178	65048	2.013	ng	# 75
74) Di-n-butylphthalate	17.95	149	176600	5.234	ng	# 95
75) Fluoranthene	19.00	202	163369	4.364	ng	# 95
78) Pyrene	19.35	202	94432	5.588	ng	# 93
81) Benzo(a)anthracene	21.13	228	61967	3.911	ng	# 95
83) Chrysene	21.13	228	61967	4.109	ng	# 96
84) Bis(2-ethylhexyl)phthalate	21.02	149	138069	14.886	ng	# 93
88) Benzo(b)fluoranthene	22.63	252	53361	2.426	ng	# 1
89) Benzo(k)fluoranthene	22.63	252	53361	2.463	ng	# 1

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

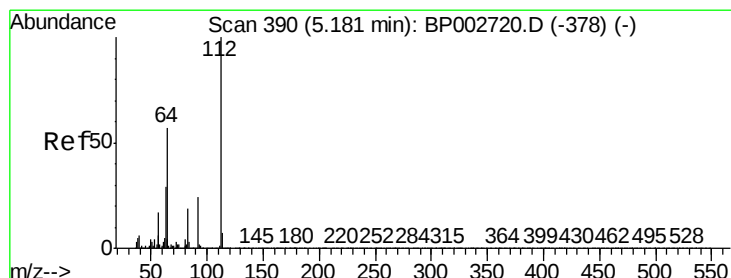
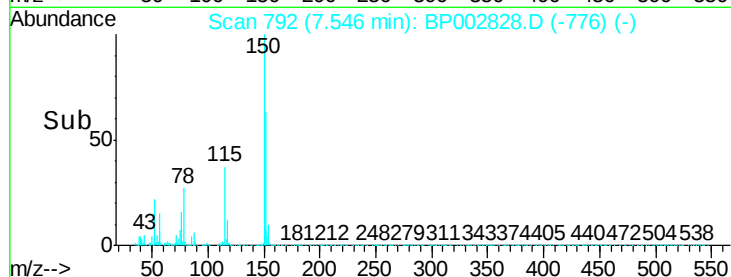
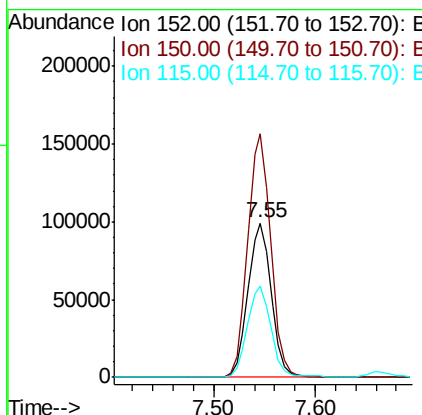
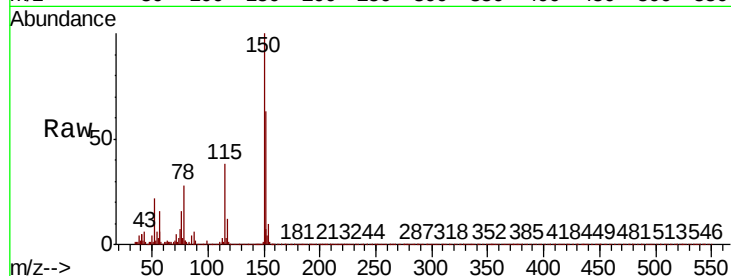


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Instrument :
BNA_P
ClientSampleId :

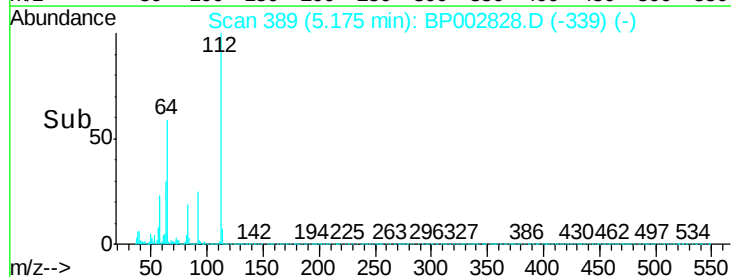
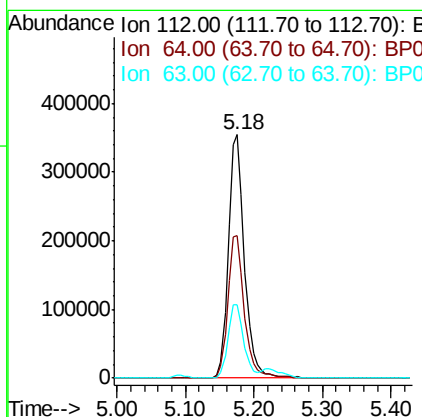
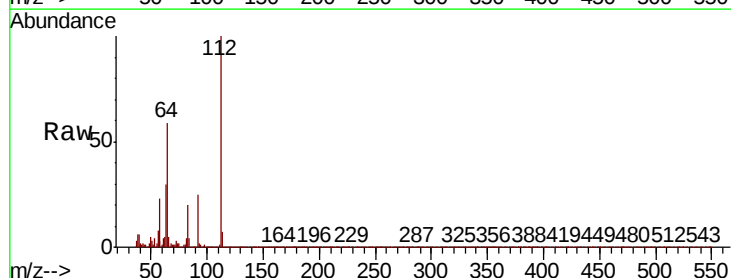
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.7	185.5
115	59.2	47.2	70.8

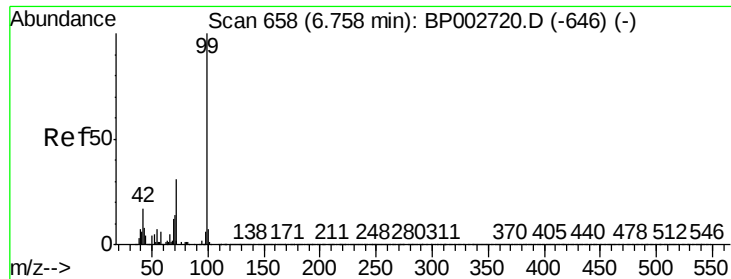


#5

2-Fluorophenol
Concen: 62.087 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	45.6	68.4
63	30.4	23.5	35.3





#7

Phenol-d6

Concen: 60.703 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Instrument :

BNA_P

ClientSampleId :

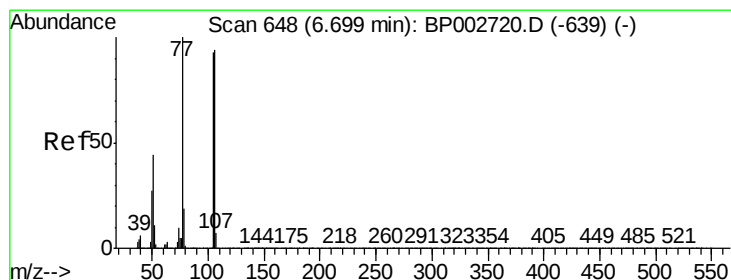
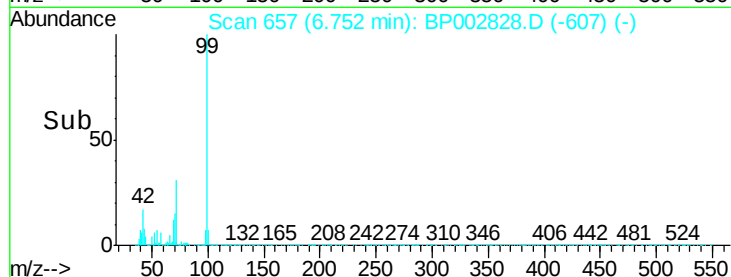
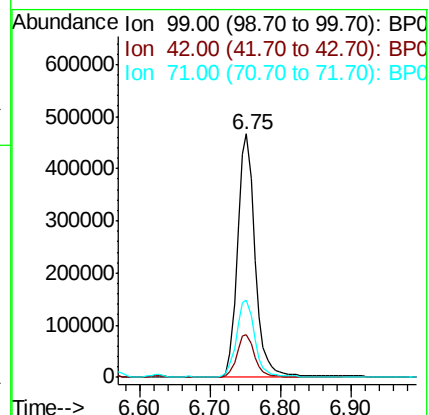
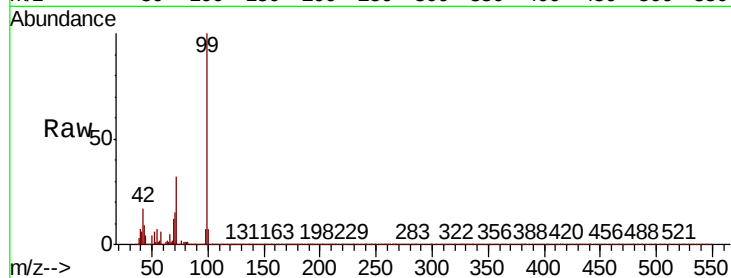
Tot Ion: 99 Resp: 809420

Ion Ratio Lower Upper

99 100

42 17.5 13.4 20.2

71 31.9 24.6 36.8



#9

Benzaldehyde

Concen: 3.006 ng

RT: 6.70 min Scan# 649

Delta R.T. 0.00 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

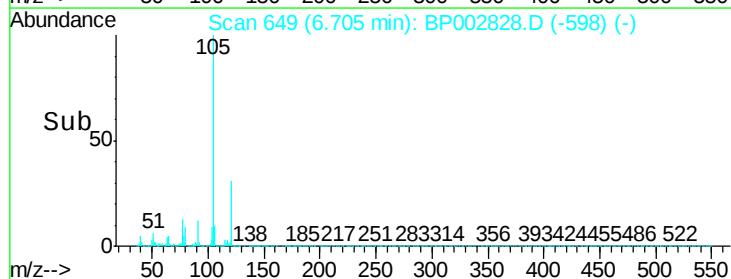
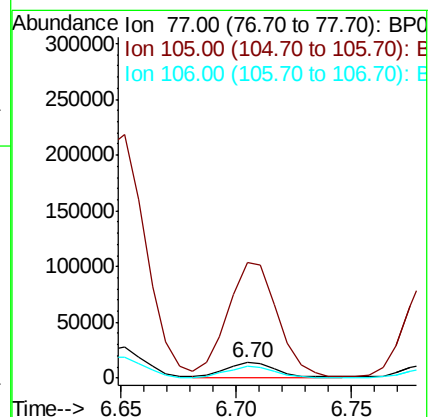
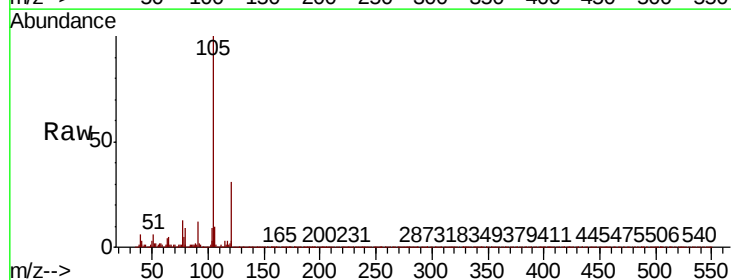
Tgt Ion: 77 Resp: 21774

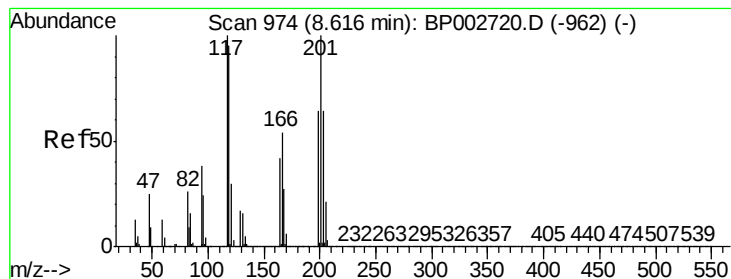
Ion Ratio Lower Upper

77 100

105 749.5 73.2 113.2#

106 73.9 73.6 113.6





#18

Hexachloroethane

Concen: 6.433 ng

RT: 8.65 min Scan# 979

Delta R.T. 0.02 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Instrument :

BNA_P

ClientSampled :

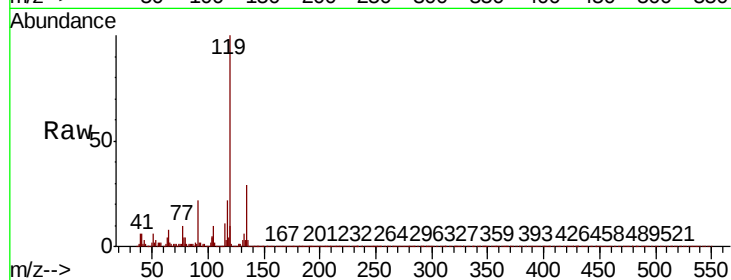
Tot Ion:117 Resp: 27257

Ion Ratio Lower Upper

117 100

119 448.8 76.6 115.0#

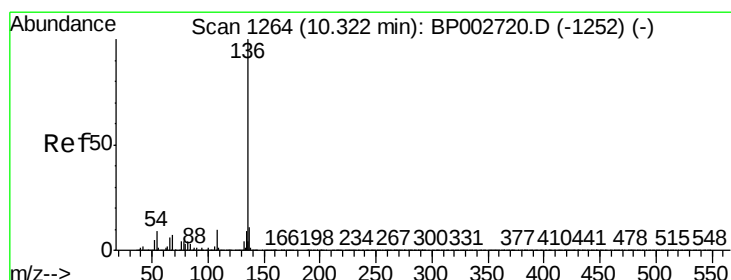
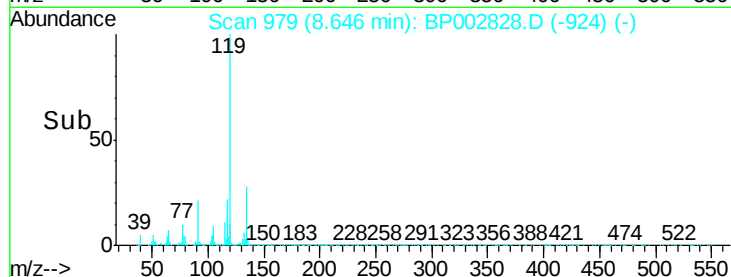
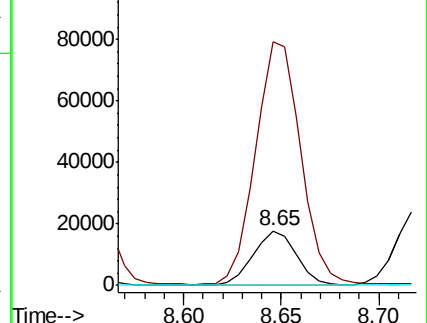
201 0.1 80.3 120.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1263

Delta R.T. -0.01 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Tgt Ion:136 Resp: 637997

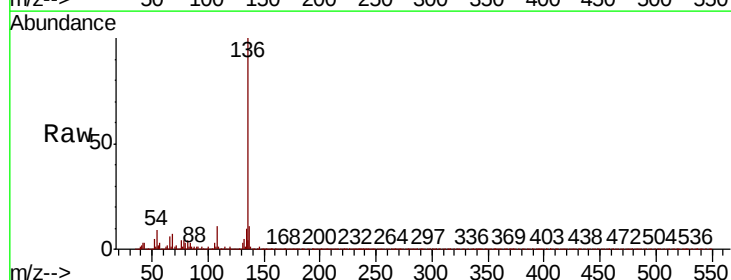
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.6 6.9 10.3

68 7.1 5.7 8.5

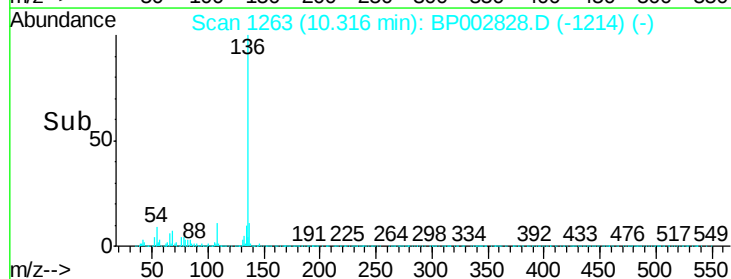
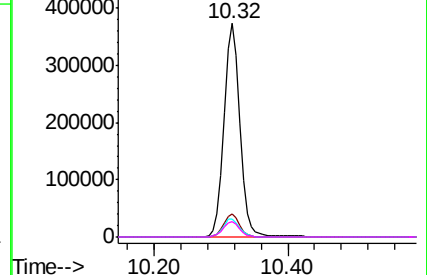


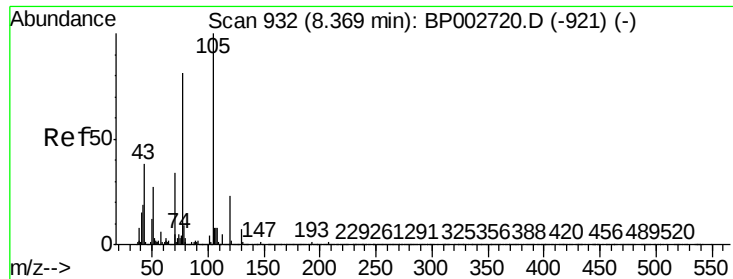
Abundance Ion 136.00 (135.70 to 136.70): E

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

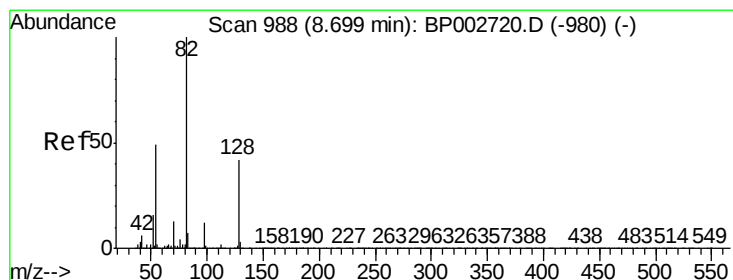
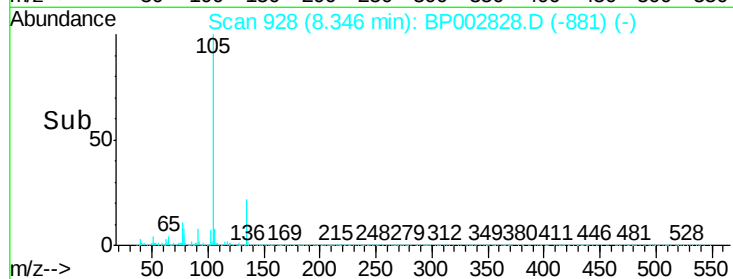
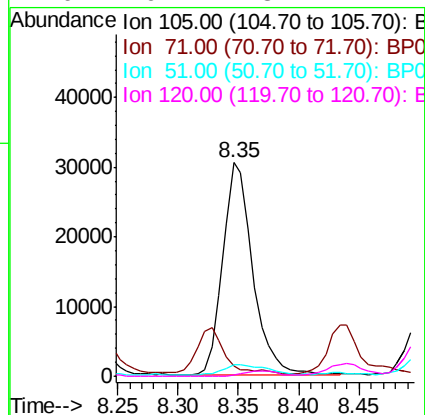
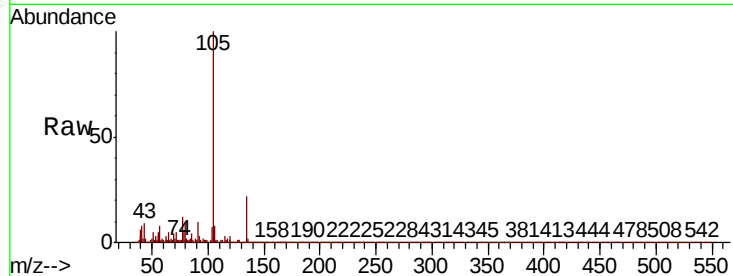




#22
Acetophenone
Concen: 3.340 ng
RT: 8.35 min Scan# 928
Delta R.T. -0.02 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

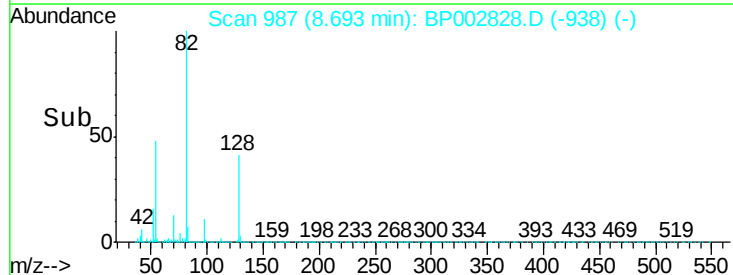
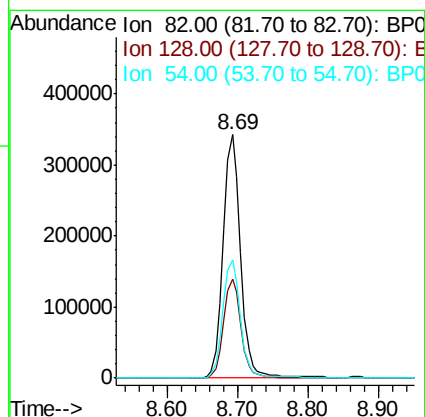
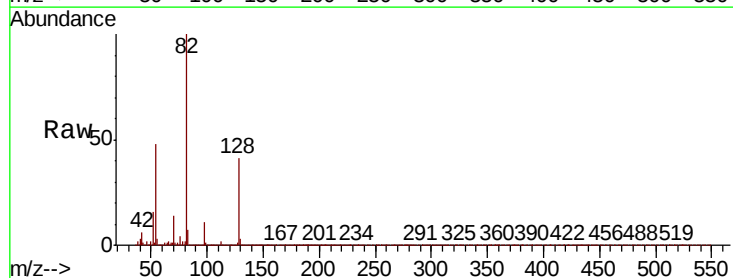
Instrument :
BNA_P
ClientSampleId :

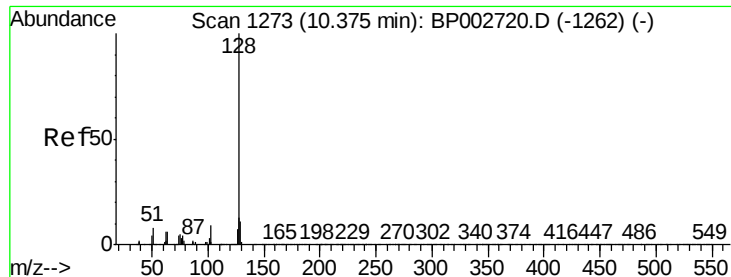
Tot Ion:	105	Resp:	52534
Ion	Ratio	Lower	Upper
105	100		
71	4.8	4.4	6.6
51	5.2	21.8	32.8#
120	0.7	18.2	27.2#



#23
Nitrobenzene-d5
Concen: 49.522 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion:	82	Resp:	590742
Ion	Ratio	Lower	Upper
82	100		
128	40.6	33.8	50.8
54	48.4	38.8	58.2

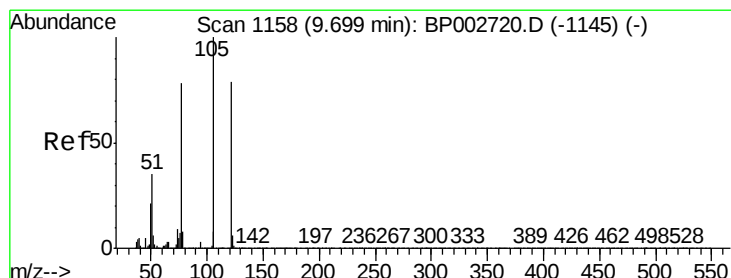
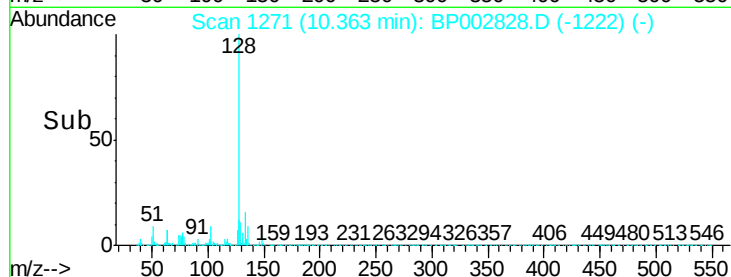
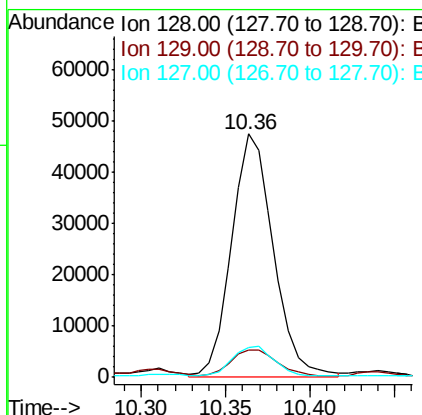
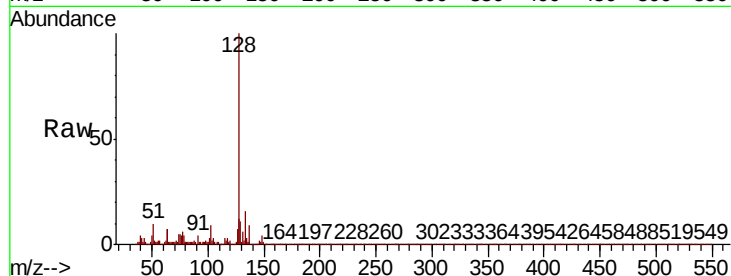




#31
Naphthalene
Concen: 2.418 ng
RT: 10.36 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

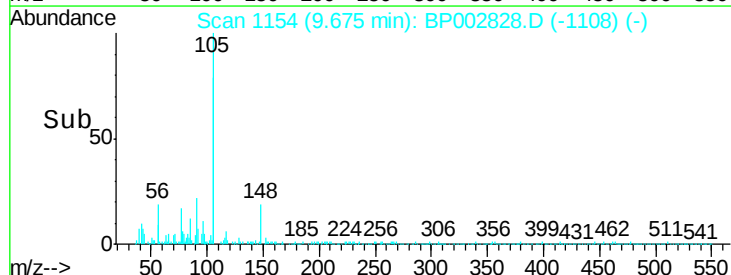
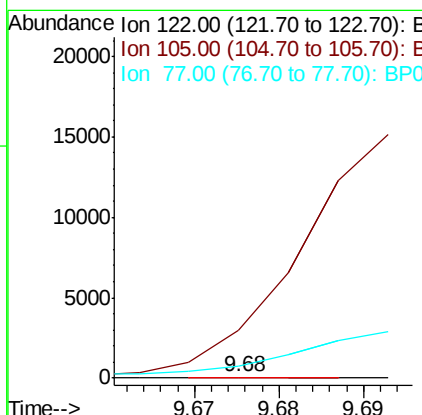
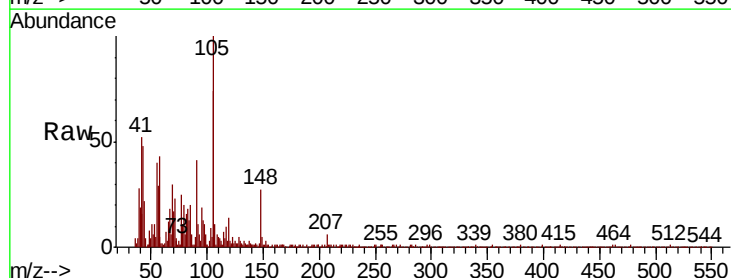
Instrument :
BNA_P
ClientSampleId :

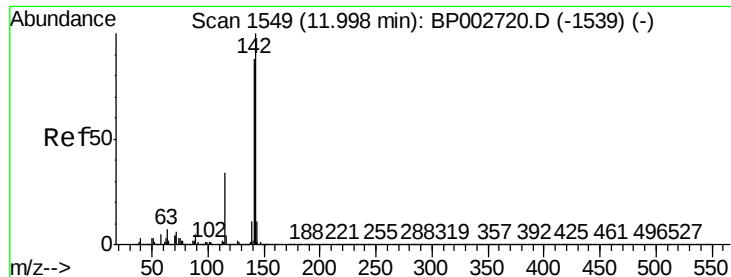
Tot Ion:128 Resp: 81462
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 12.4 10.6 15.8



#32
Benzoic acid
Concen: 7.066 ng
RT: 9.68 min Scan# 1154
Delta R.T. -0.03 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion:122 Resp: 29
Ion Ratio Lower Upper
122 100
105 4668.3 105.4 145.4#
77 1182.5 78.5 118.5#

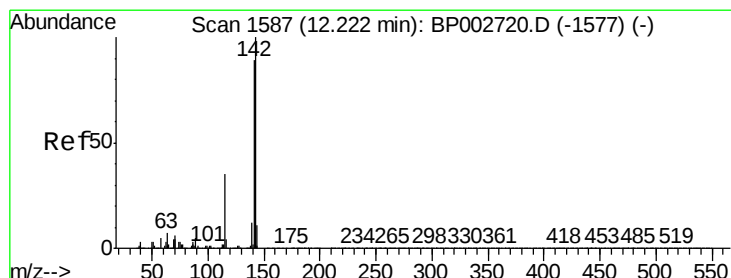
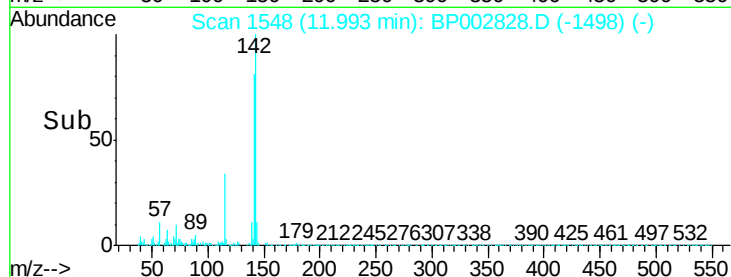
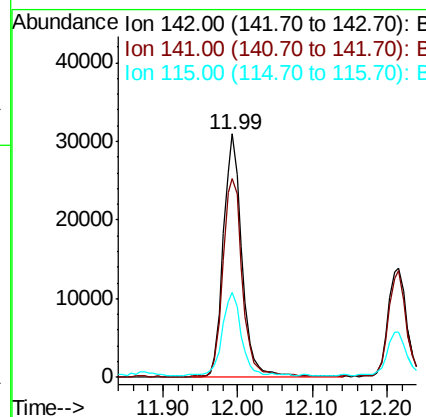
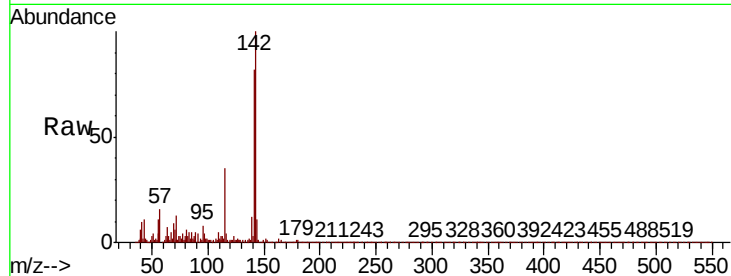




#37
2-Methylnaphthalene
Concen: 2.249 ng
RT: 11.99 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

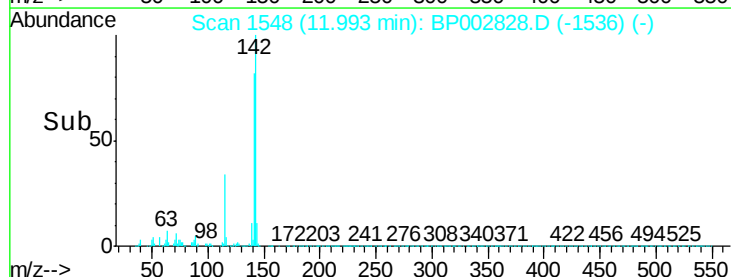
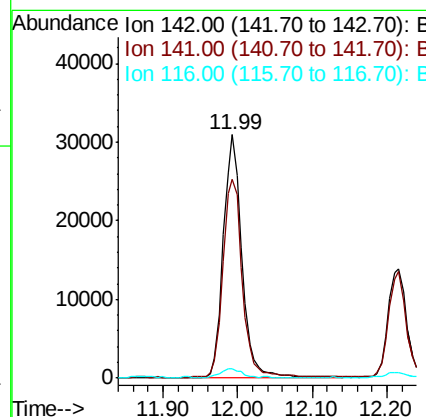
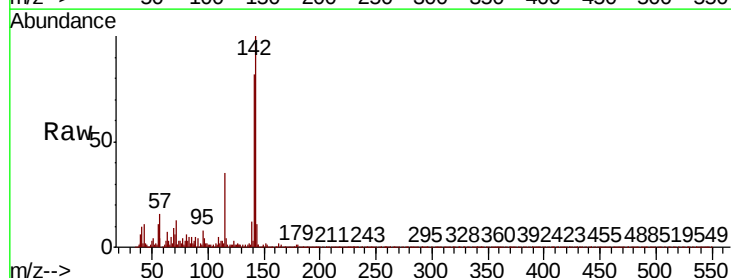
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BNA_P
ClientSampleId :

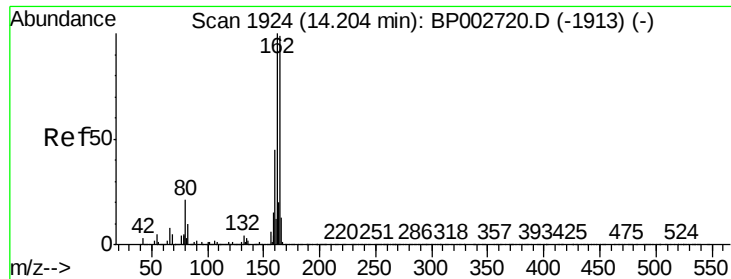
Tot Ion:142 Resp: 53461
Ion Ratio Lower Upper
142 100
141 81.7 70.4 105.6
115 34.8 27.0 40.6



#38
1-Methylnaphthalene
Concen: 2.378 ng
RT: 11.99 min Scan# 1548
Delta R.T. -0.23 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion:142 Resp: 53461
Ion Ratio Lower Upper
142 100
141 81.7 71.5 107.3
116 4.0 2.9 4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Instrument :

BNA_P

ClientSampleId :

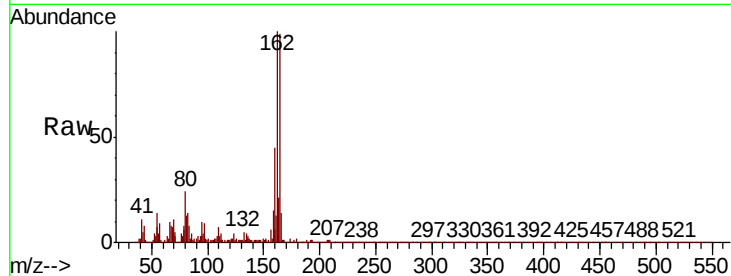
Tot Ion:164 Resp: 363873

Ion Ratio Lower Upper

164 100

162 101.4 80.6 121.0

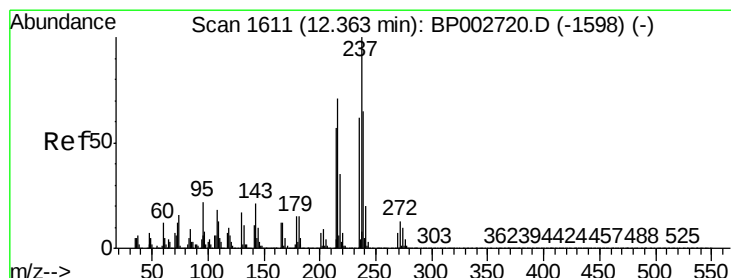
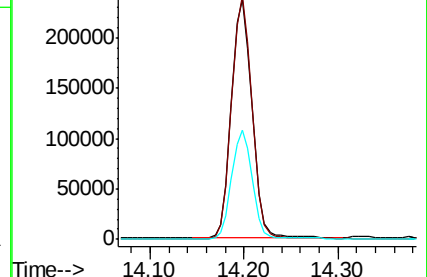
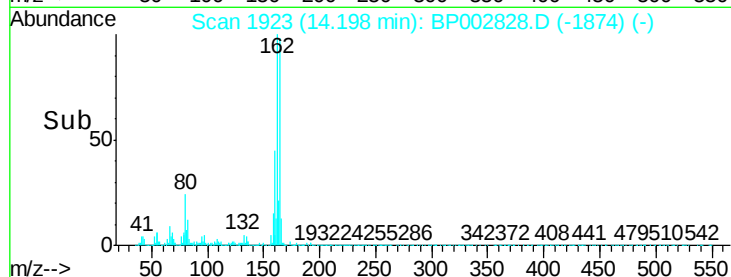
160 45.5 36.4 54.6



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: 12.29 min Scan# 1599

Delta R.T. -0.07 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

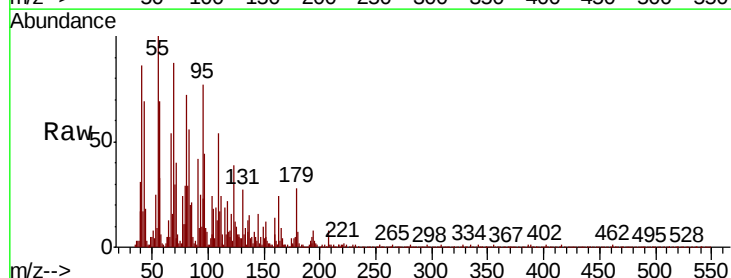
Tgt Ion:237 Resp: 9

Ion Ratio Lower Upper

237 100

235 50.0 42.3 82.3

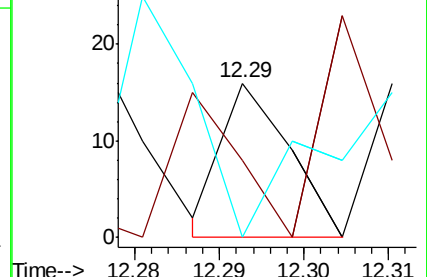
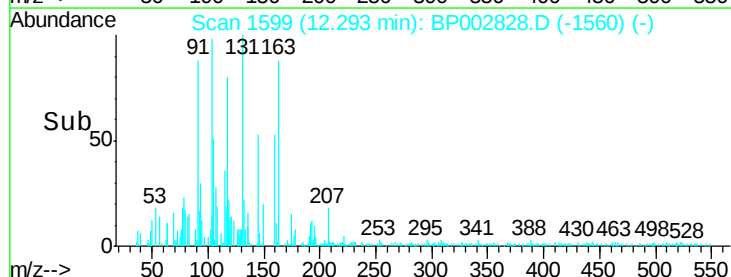
272 0.0 0.0 32.5

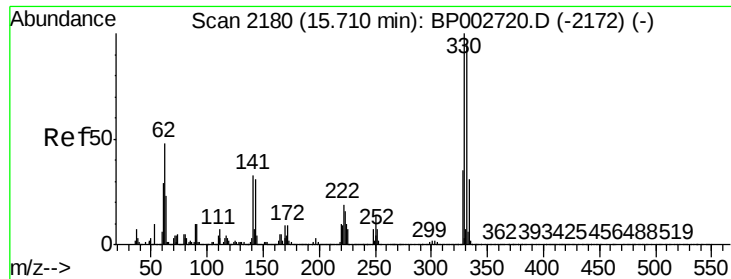


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

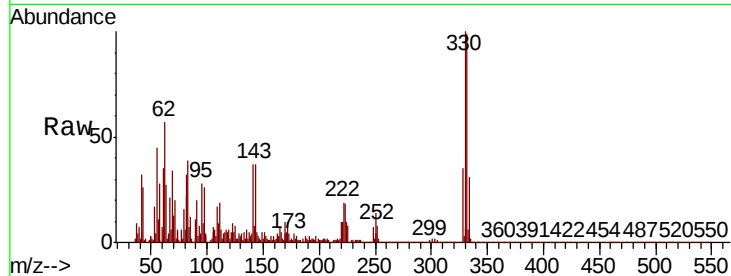




#42
2,4,6-Tribromophenol
Concen: 61.245 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.5	114.7
141	33.1	28.8	43.2

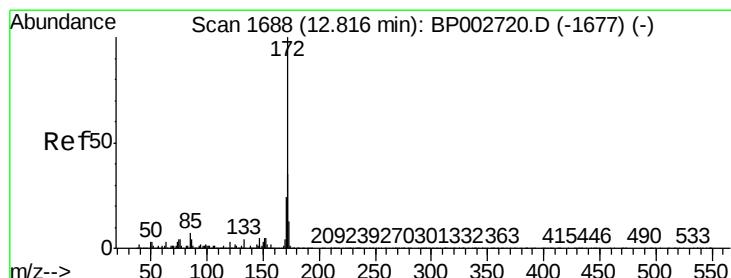
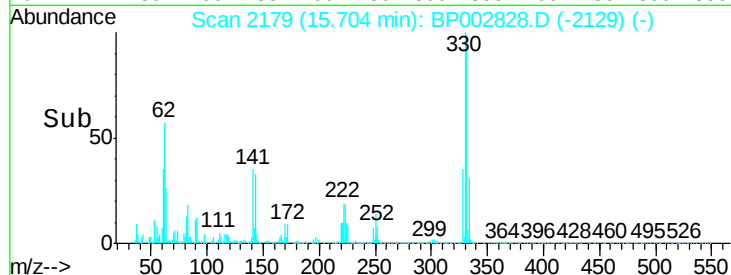
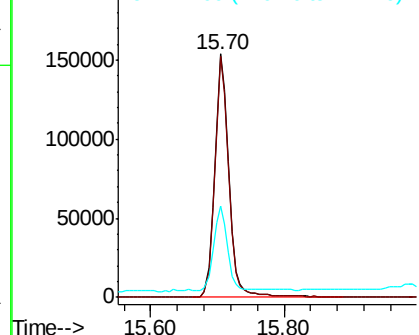


Abundance

Ion 329.80 (329.50 to 330.50): E

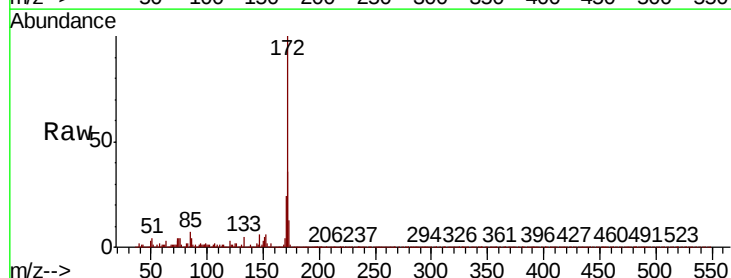
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 53.400 ng
RT: 12.81 min Scan# 1687
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.1	42.1
170	24.1	19.3	28.9

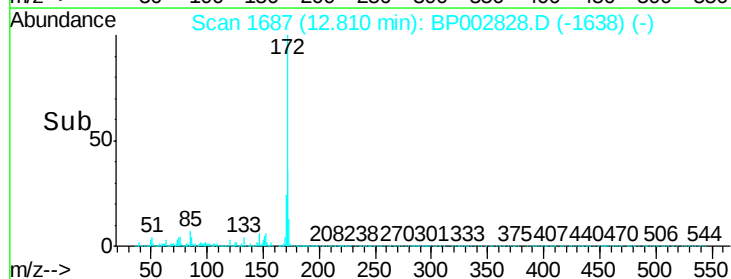
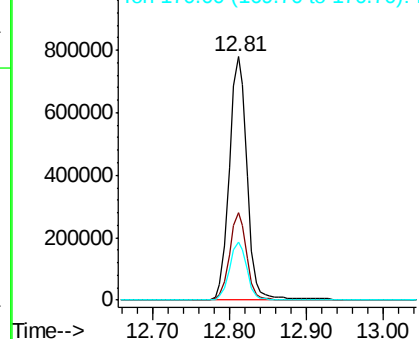


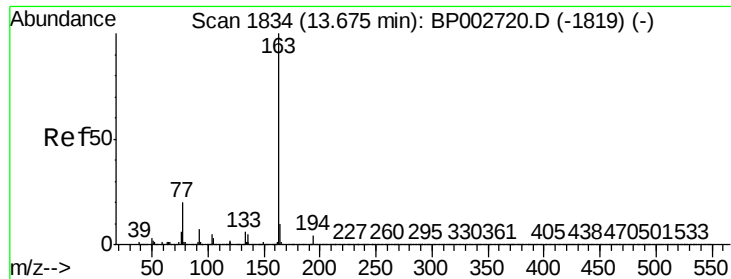
Abundance

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

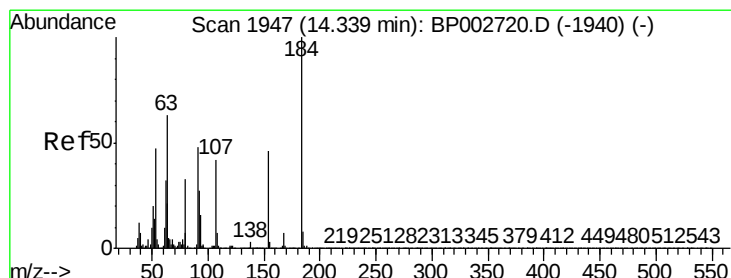
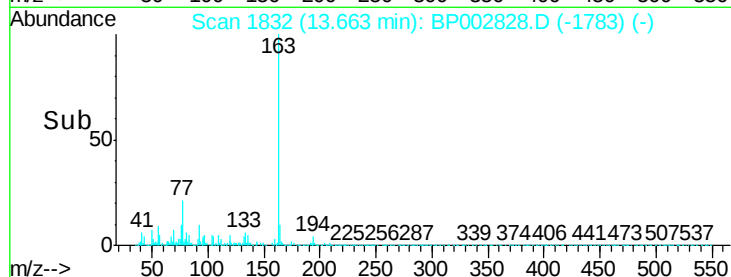
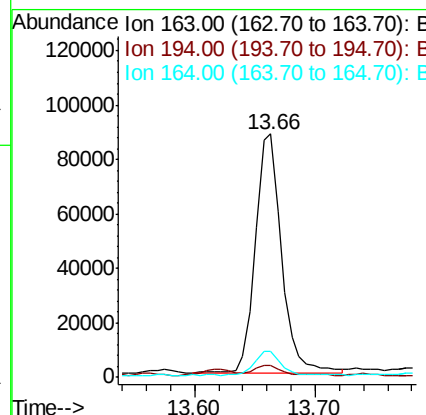
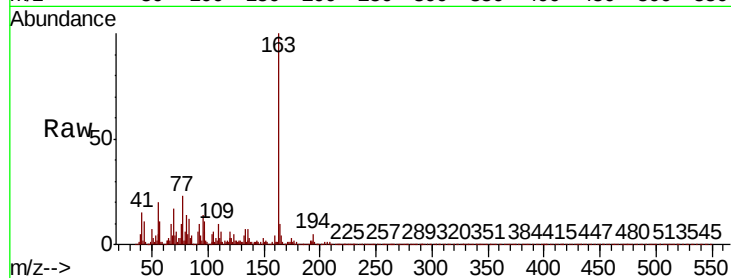




#50
Dimethylphthalate
Concen: 4.828 ng
RT: 13.66 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

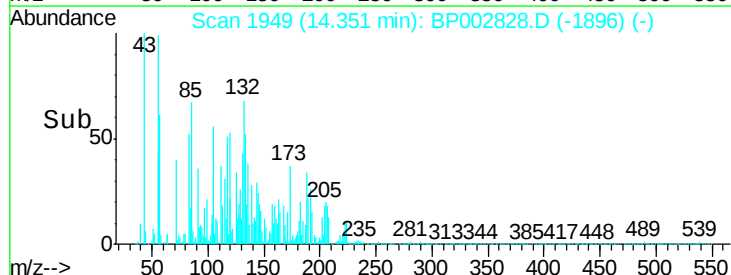
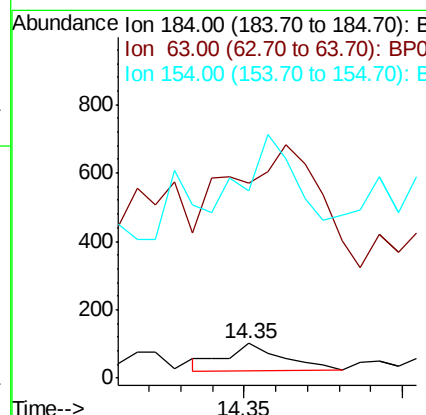
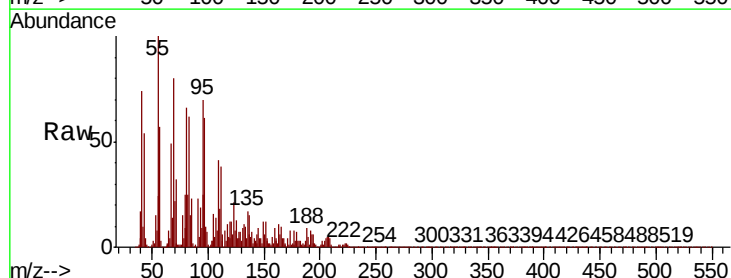
Instrument :
BNA_P
ClientSampleId :

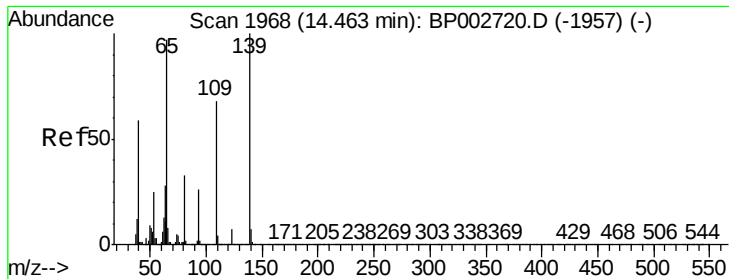
Tot Ion:163 Resp: 133980
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.5 7.8 11.8



#54
2,4-Dinitrophenol
Concen: 11.400 ng
RT: 14.35 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion:184 Resp: 99
Ion Ratio Lower Upper
184 100
63 558.8 51.6 77.4#
154 536.3 45.0 67.6#

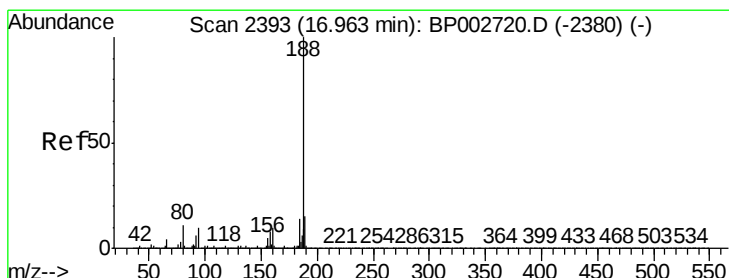
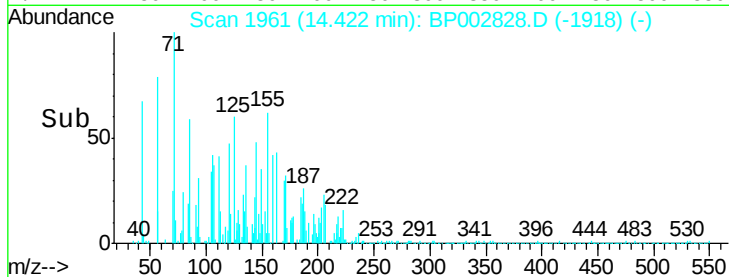
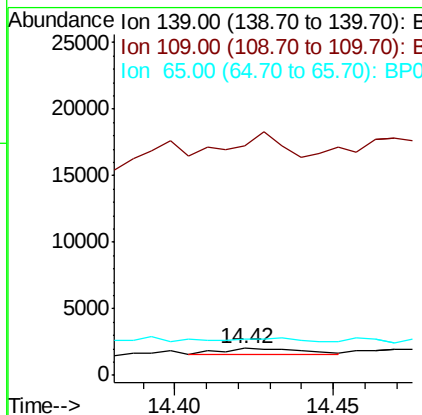
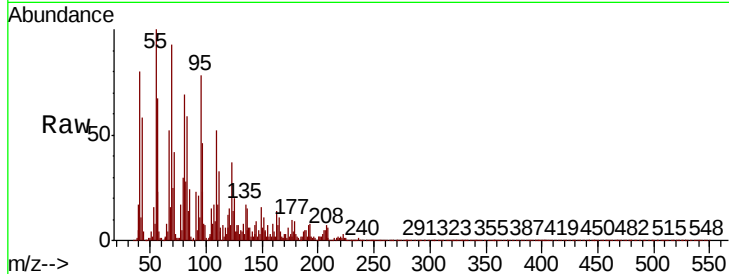




#56
4-Nitrophenol
Concen: 5.118 ng
RT: 14.42 min Scan# 1961
Delta R.T. -0.05 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

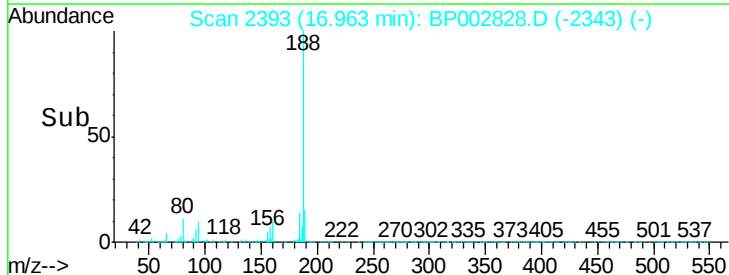
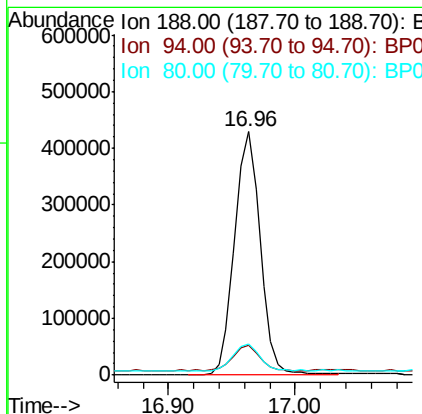
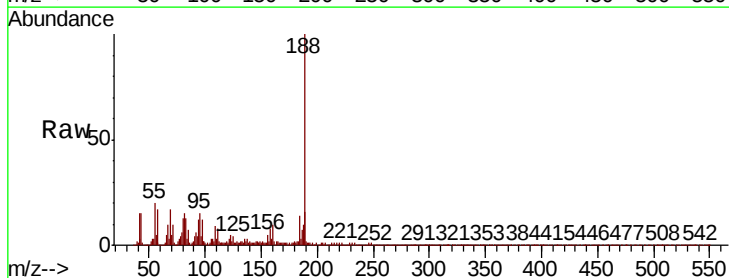
Instrument :
BNA_P
ClientSampleId :

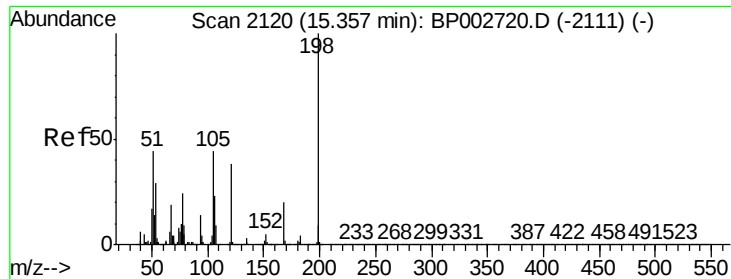
Tot Ion:139 Resp: 832
Ion Ratio Lower Upper
139 100
109 855.0 48.1 88.1#
65 137.2 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion:188 Resp: 596672
Ion Ratio Lower Upper
188 100
94 12.0 8.1 12.1
80 12.8 8.9 13.3

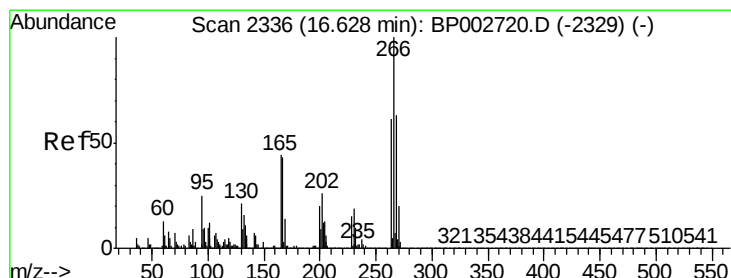
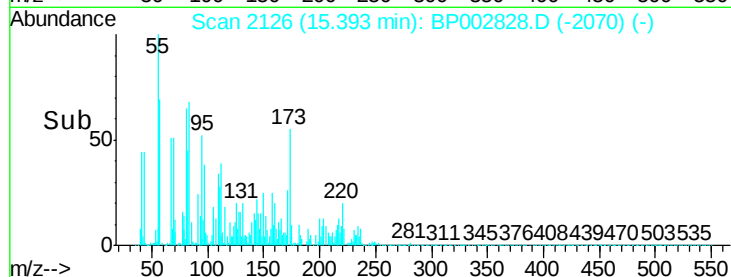
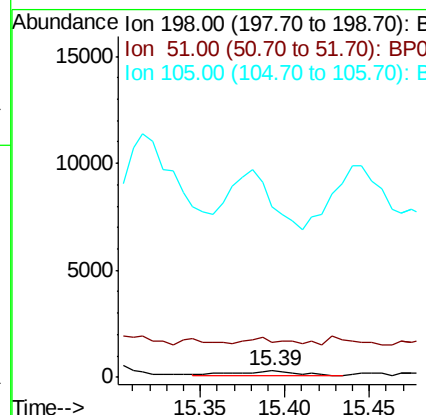
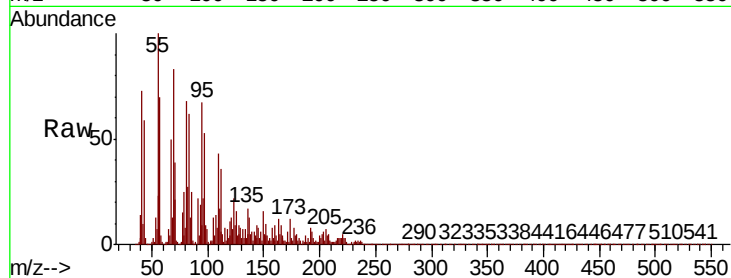




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.392 ng
 RT: 15.39 min Scan# 2126
 Delta R.T. 0.03 min
 Lab File: BP002828.D
 Acq: 22 Jul 2020 16:58

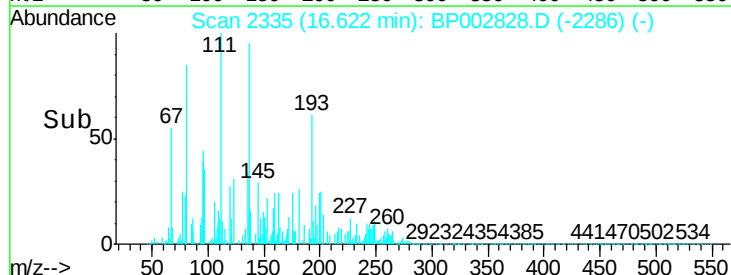
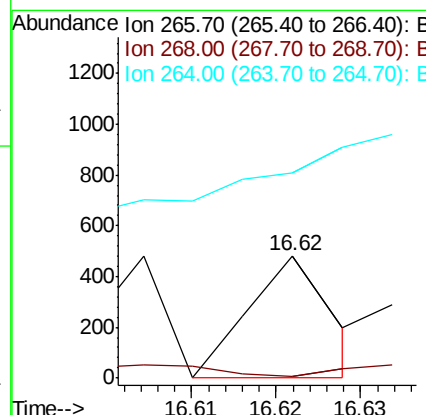
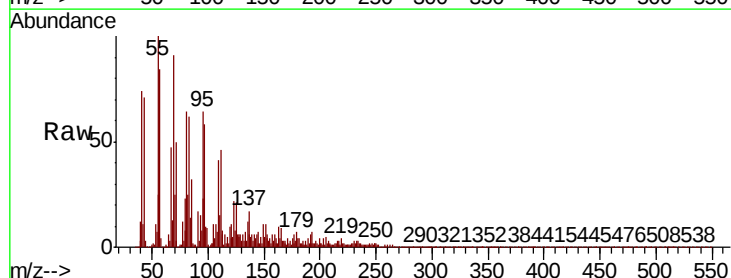
Instrument :
 BNA_P
 ClientSampleId :

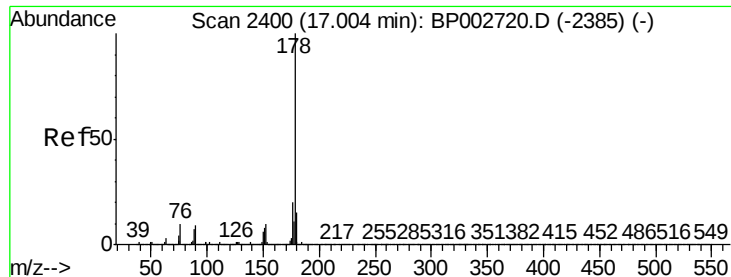
Tot Ion:198 Resp: 504
 Ion Ratio Lower Upper
 198 100
 51 525.4 27.1 67.1#
 105 2595.1 24.9 64.9#



#70
 Pentachlorophenol
 Concen: 7.531 ng
 RT: 16.62 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: BP002828.D
 Acq: 22 Jul 2020 16:58

Tgt Ion:266 Resp: 326
 Ion Ratio Lower Upper
 266 100
 268 1.2 50.6 75.8#
 264 167.2 48.6 72.8#





#71

Phenanthrene

Concen: 2.013 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Instrument :

BNA_P

ClientSampleId :

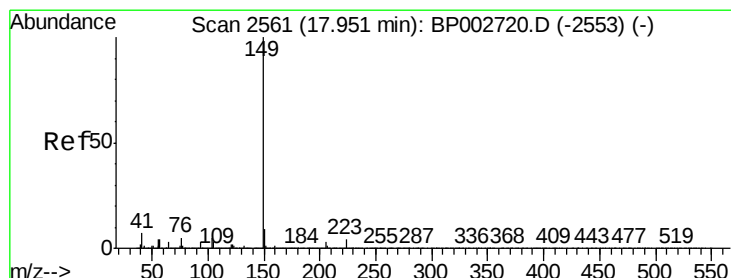
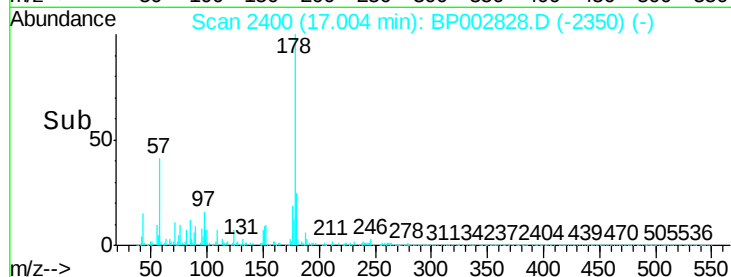
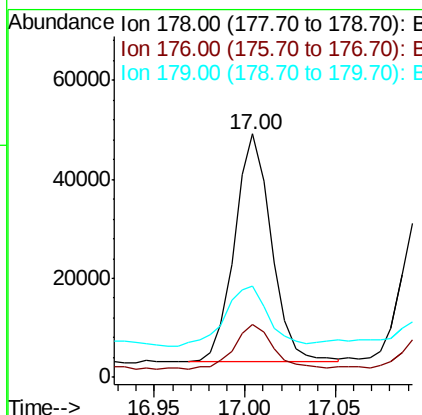
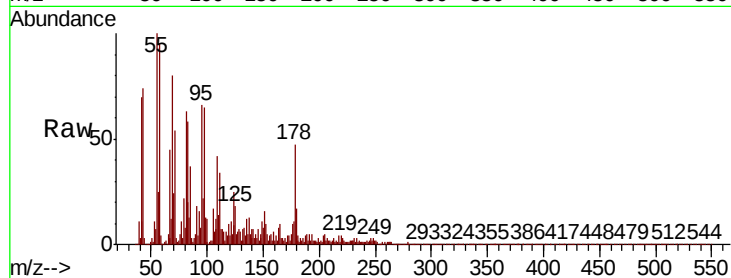
Tot Ion:178 Resp: 65048

Ion Ratio Lower Upper

178 100

176 21.5 15.9 23.9

179 37.3 12.3 18.5#



#74

Di-n-butylphthalate

Concen: 5.234 ng

RT: 17.95 min Scan# 2560

Delta R.T. -0.01 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

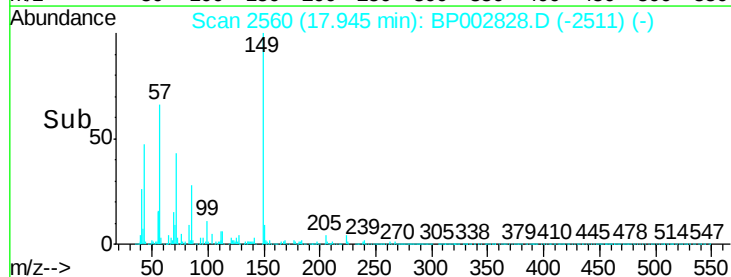
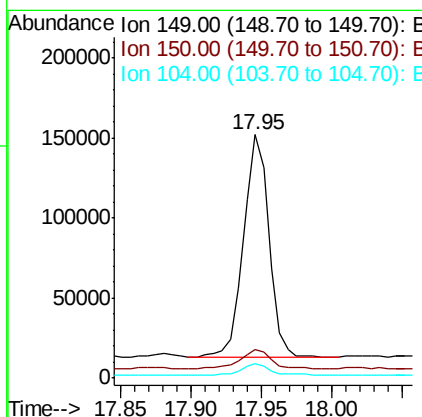
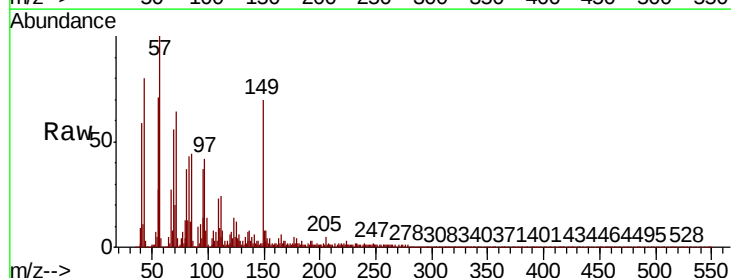
Tgt Ion:149 Resp: 176600

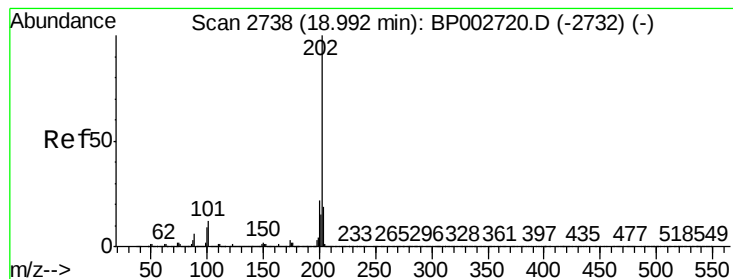
Ion Ratio Lower Upper

149 100

150 11.9 7.5 11.3#

104 5.9 4.0 6.0





#75

Fluoranthene

Concen: 4.364 ng

RT: 19.00 min Scan# 2739

Delta R.T. 0.00 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Instrument :

BNA_P

ClientSampleId :

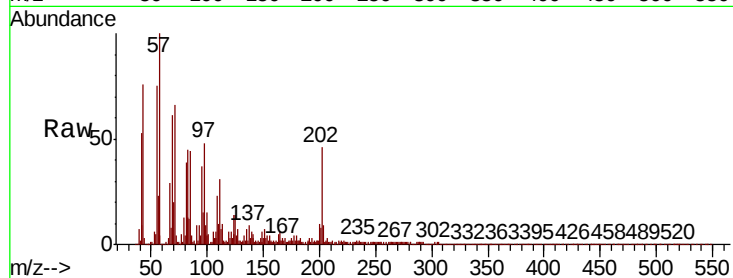
Tot Ion:202 Resp: 163369

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.5

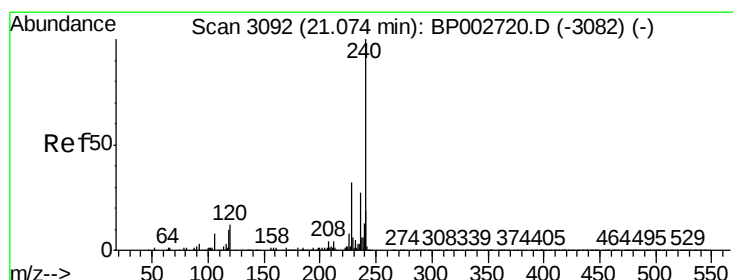
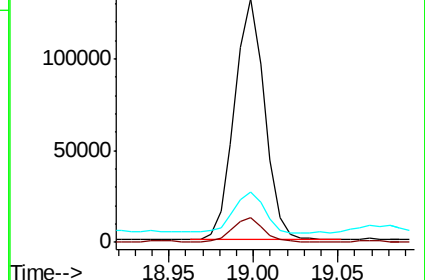
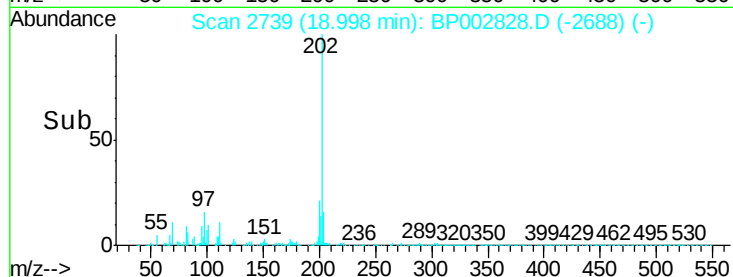
203 20.4 0.0 38.6



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: 21.09 min Scan# 3095

Delta R.T. 0.02 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

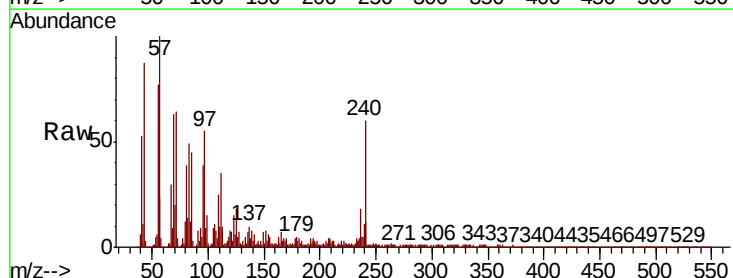
Tgt Ion:240 Resp: 244758

Ion Ratio Lower Upper

240 100

120 11.7 9.4 14.2

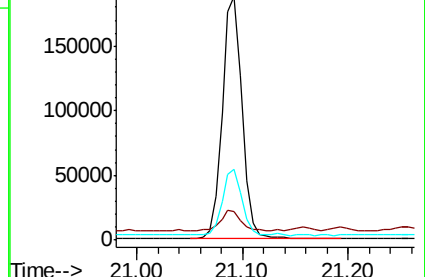
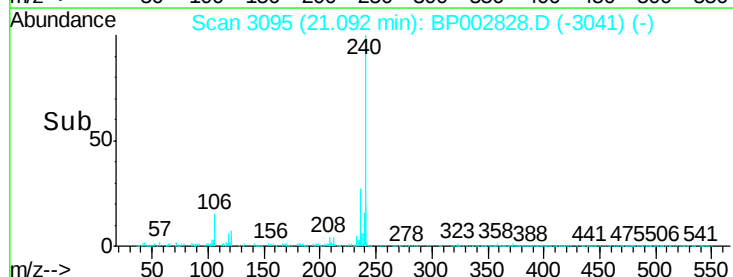
236 29.3 21.3 31.9

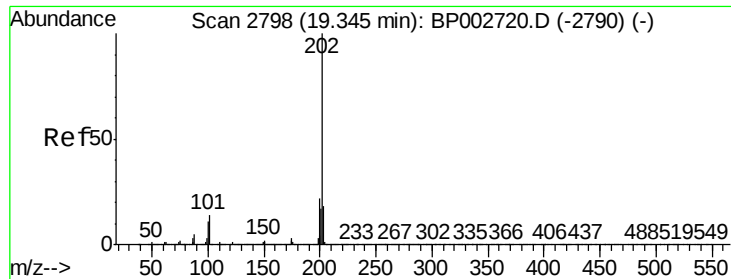


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

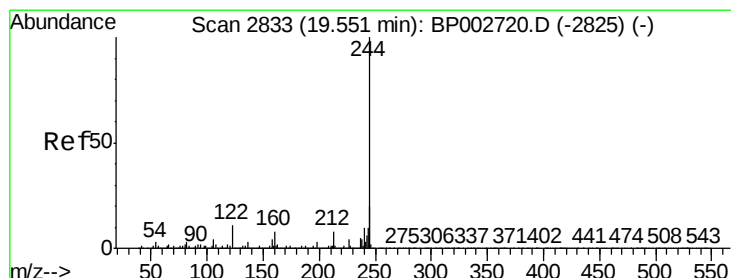
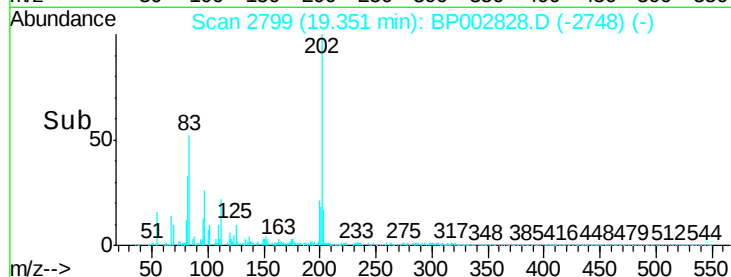
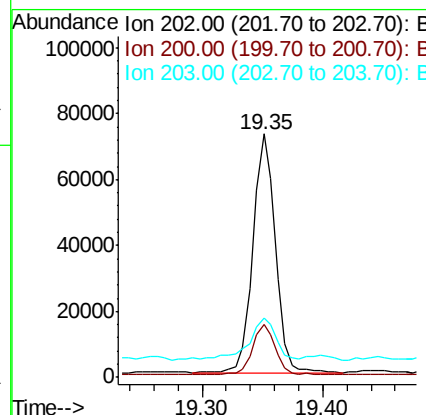
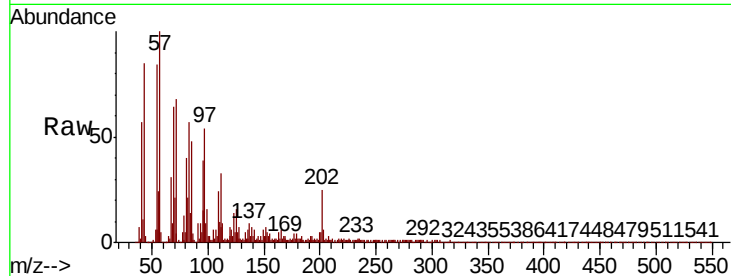




#78
Pvrene
Concen: 5.588 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

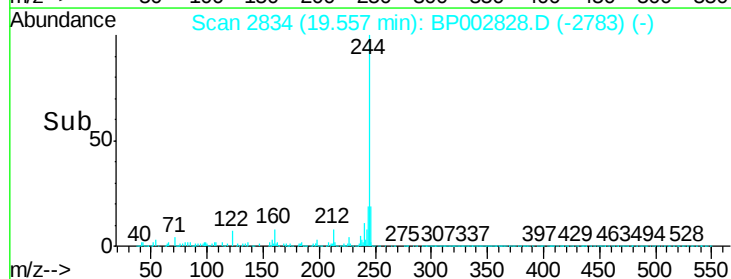
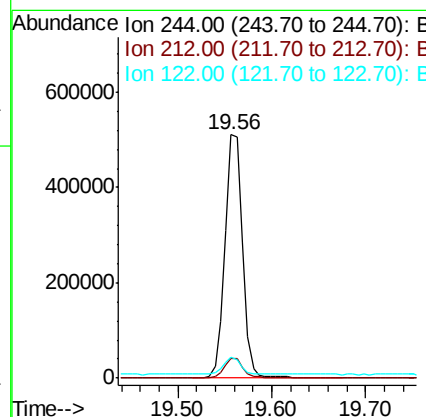
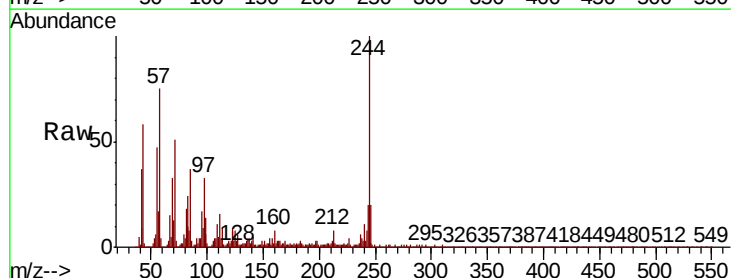
Instrument :
BNA_P
ClientSampled :

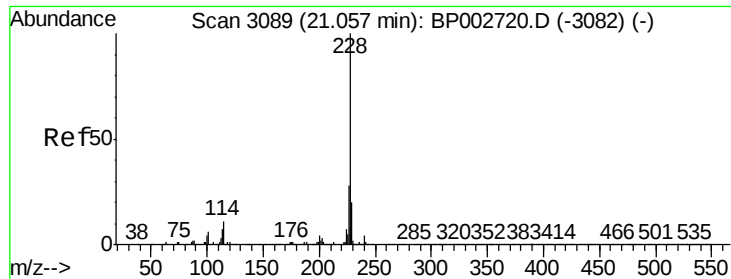
Tot Ion:202 Resp: 94432
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 24.5 14.5 21.7#



#79
Terphenyl-d14
Concen: 62.361 ng
RT: 19.56 min Scan# 2834
Delta R.T. 0.00 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt Ion:244 Resp: 665731
Ion Ratio Lower Upper
244 100
212 8.0 6.0 9.0
122 8.8 8.9 13.3#

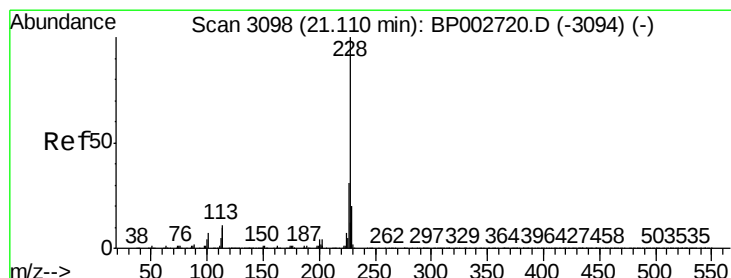
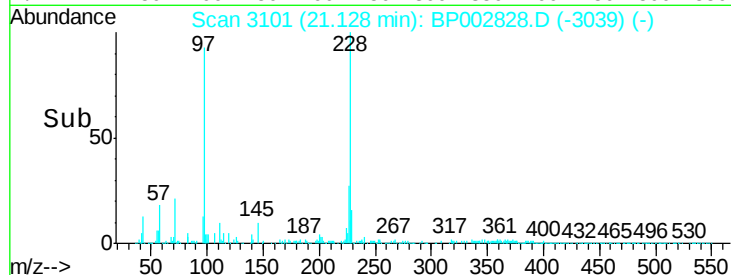
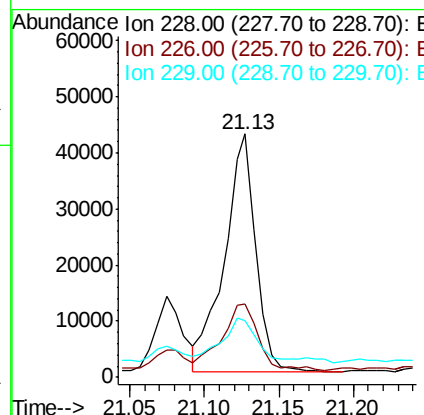
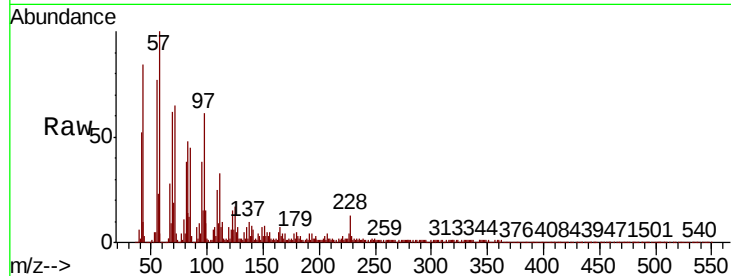




#81
Benzo(a)anthracene
Concen: 3.911 ng
RT: 21.13 min Scan# 3101
Delta R.T. 0.07 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

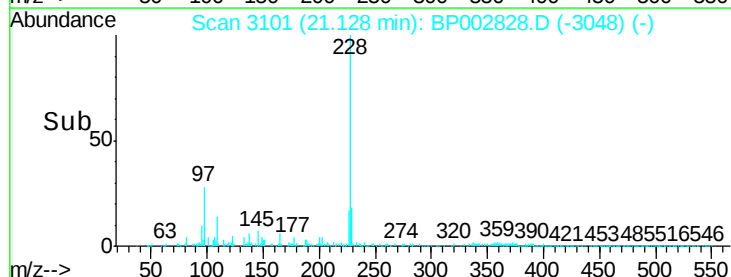
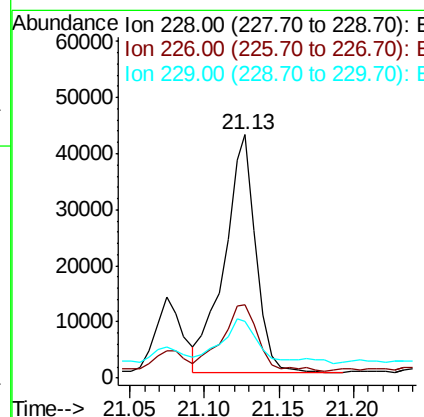
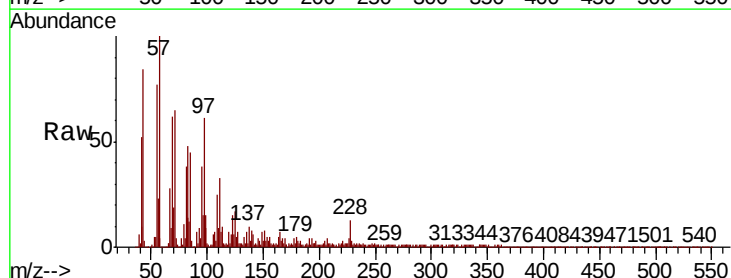
Instrument :
BNA_P
ClientSampleId :

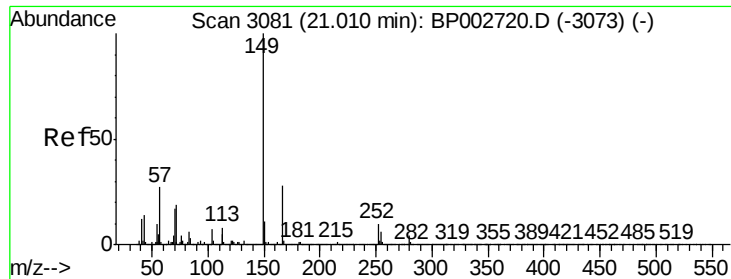
Tot	Ion:228	Resp:	61967
Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	34.0
229	23.2	16.0	24.0



#83
Chrysene
Concen: 4.109 ng
RT: 21.13 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BP002828.D
Acq: 22 Jul 2020 16:58

Tgt	Ion:228	Resp:	61967
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	23.2	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.886 ng

RT: 21.02 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Instrument :

BNA_P

ClientSampleId :

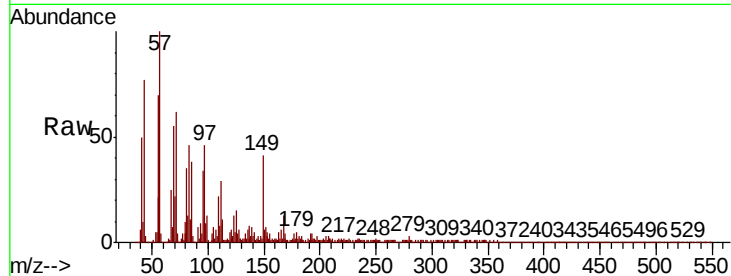
Tot Ion:149 Resp: 138069

Ion Ratio Lower Upper

149 100

167 31.8 22.4 33.6

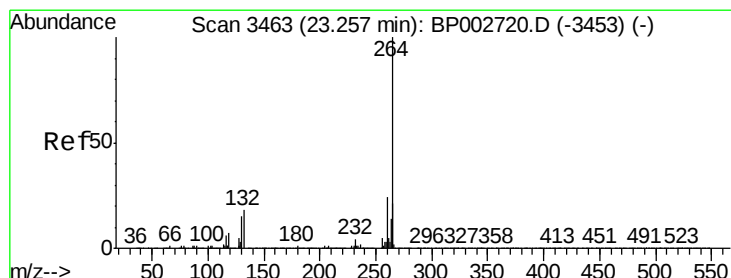
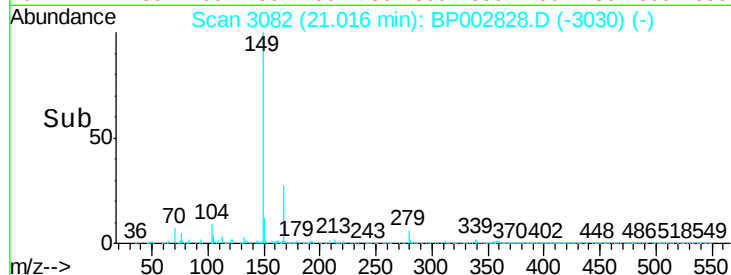
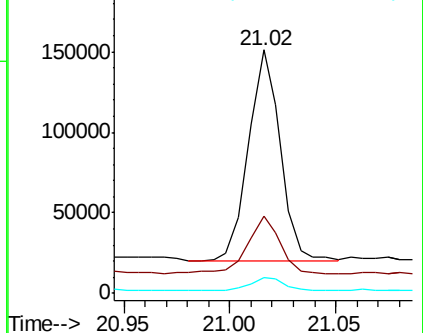
279 6.5 3.5 5.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3468

Delta R.T. 0.02 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

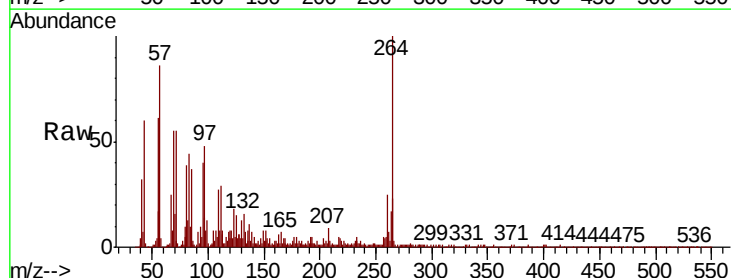
Tgt Ion:264 Resp: 354280

Ion Ratio Lower Upper

264 100

260 25.0 19.3 28.9

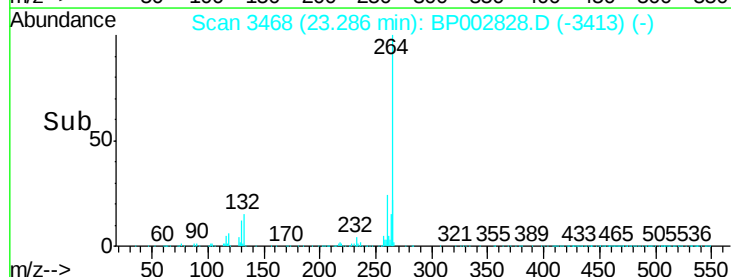
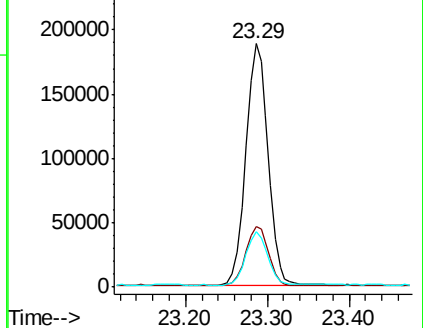
265 22.9 16.8 25.2

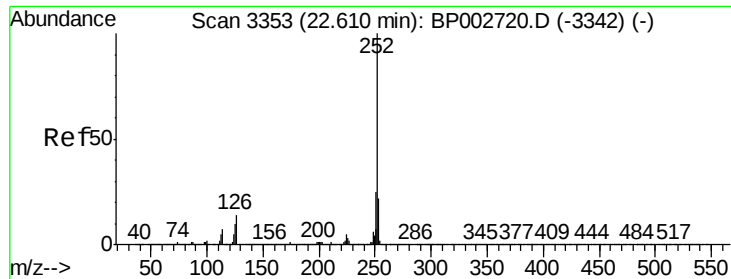


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.426 ng

RT: 22.63 min Scan# 3357

Delta R.T. 0.02 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Instrument :

BNA_P

ClientSampled :

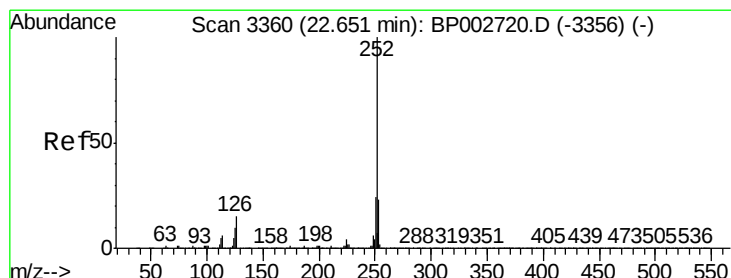
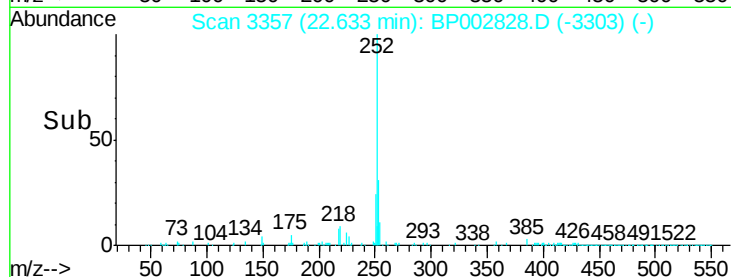
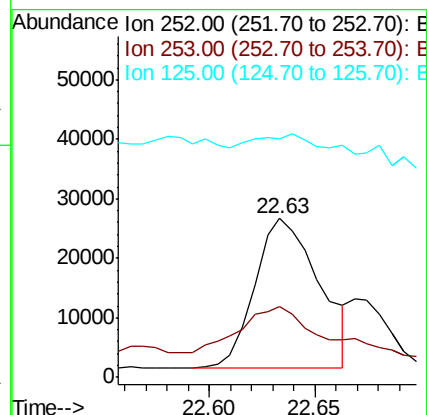
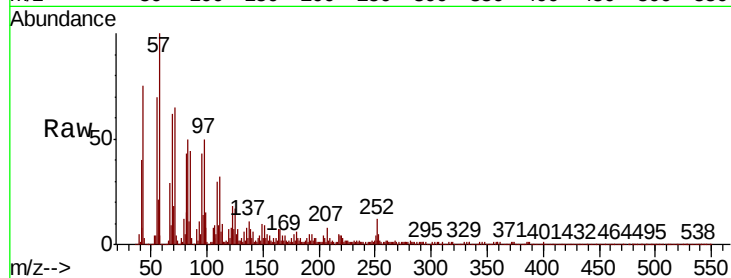
Tot Ion:252 Resp: 53361

Ion Ratio Lower Upper

252 100

253 44.2 17.7 26.5#

125 150.1 8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 2.463 ng

RT: 22.63 min Scan# 3357

Delta R.T. -0.02 min

Lab File: BP002828.D

Acq: 22 Jul 2020 16:58

Tgt Ion:252 Resp: 53361

Ion Ratio Lower Upper

252 100

253 44.2 17.8 26.8#

125 150.1 8.3 12.5#

