

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071620\
 Data File : BP002775.D
 Acq On : 16 Jul 2020 16:47
 Operator : CG/JU
 Sample : L3301-01RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CARLSTADT-SAMPLE-2020

Quant Time: Jul 16 17:24:43 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	209027	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	904849	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	547963	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1095557	20.00	ng	0.00
76) Chrysene-d12	21.08	240	809639	20.00	ng	0.00
86) Perylene-d12	23.27	264	691372	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	664423	53.63	ng	0.00
7) Phenol-d6	6.76	99	964314	54.54	ng	0.00
23) Nitrobenzene-d5	8.70	82	640501	37.86	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	312884	54.70	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1291994	36.47	ng	0.00
79) Terphenyl-d14	19.56	244	1496788	42.39	ng	0.00

Target Compounds

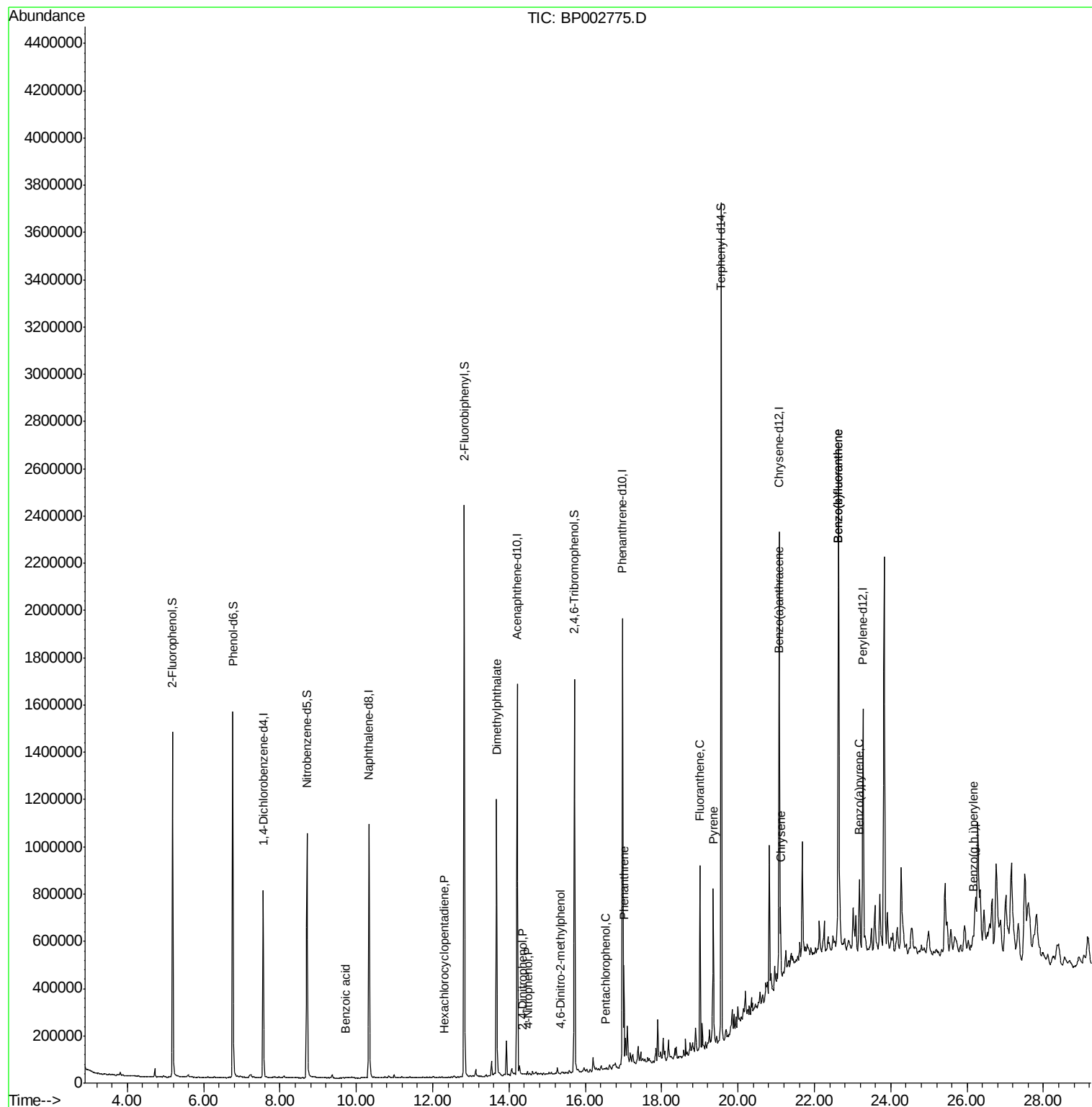
						Qvalue
32) Benzoic acid	9.72	122	527	7.107	ng	# 46
41) Hexachlorocyclopentadiene	12.30	237	34	7.438	ng	78
50) Dimethylphthalate	13.67	163	764334	18.290	ng	99
54) 2,4-Dinitrophenol	14.34	184	50	11.383	ng	# 1
56) 4-Nitrophenol	14.50	139	103	4.984	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.35	198	20	5.269	ng	# 1
70) Pentachlorophenol	16.51	266	48	7.449	ng	90
71) Phenanthrene	17.01	178	241980	4.079	ng	99
75) Fluoranthene	19.00	202	427303	6.217	ng	99
78) Pyrene	19.35	202	387739	6.936	ng	98
81) Benzo(a)anthracene	21.06	228	183981	3.510	ng	98
83) Chrysene	21.12	228	170750	3.423	ng	97
88) Benzo(b)fluoranthene	22.62	252	205298	4.782	ng	# 91
89) Benzo(k)fluoranthene	22.62	252	205298	4.855	ng	# 91
90) Benzo(a)pyrene	23.17	252	137614	3.383	ng	# 89
92) Benzo(g,h,i)perylene	26.15	276	100389	2.457	ng	95

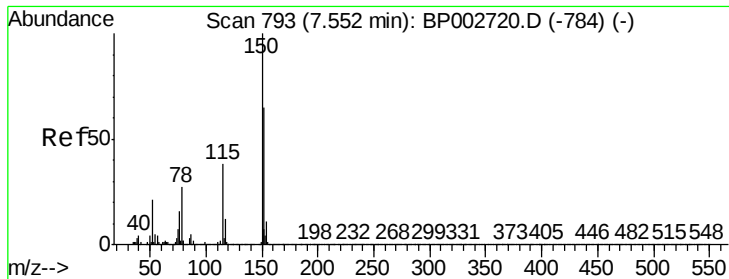
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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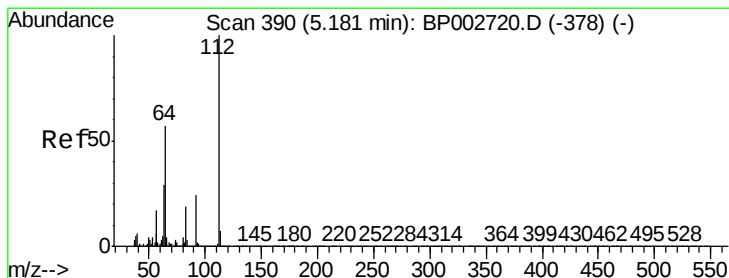
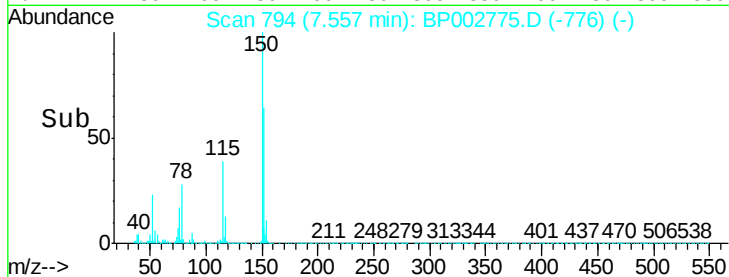
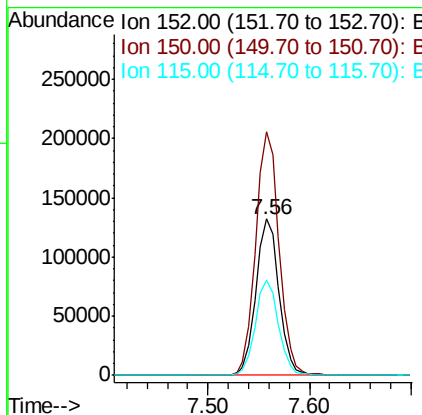
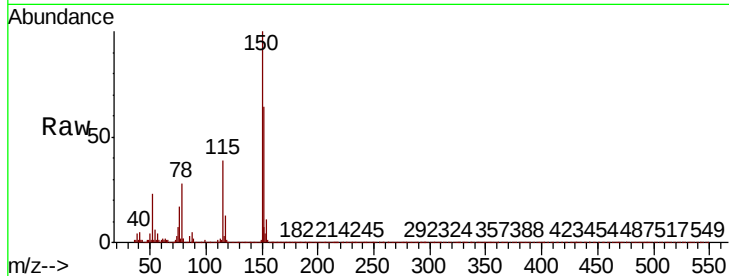


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 794
Delta R.T. 0.01 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

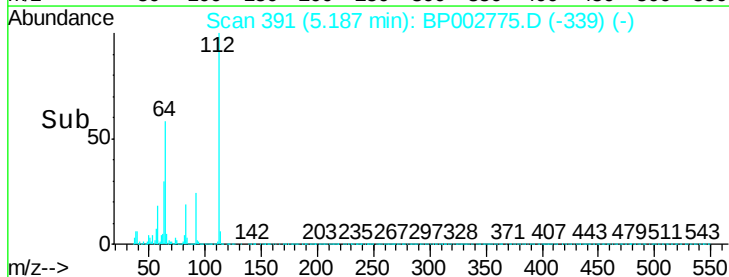
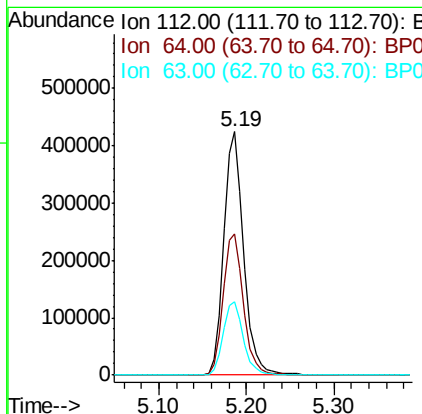
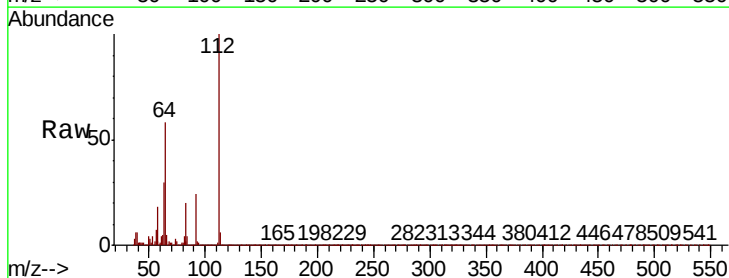
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.7	185.5
115	60.8	47.2	70.8

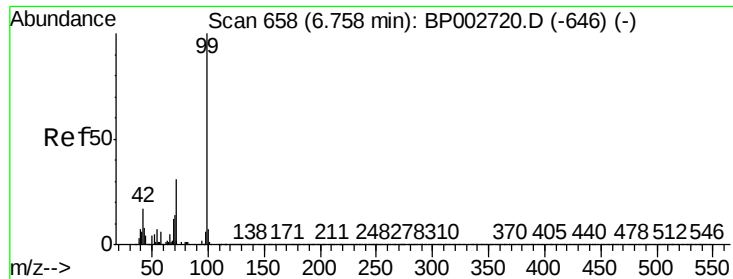


#5

2-Fluorophenol
Concen: 53.630 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.6	68.4
63	30.3	23.5	35.3





#7

Phenol-d6

Concen: 54.539 ng

RT: 6.76 min Scan# 659

Delta R.T. 0.01 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

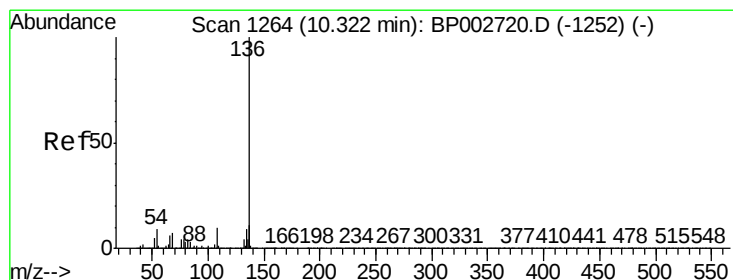
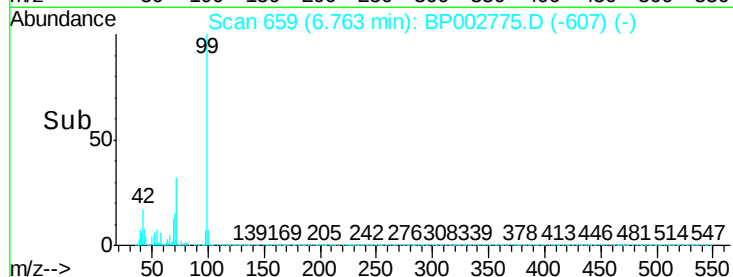
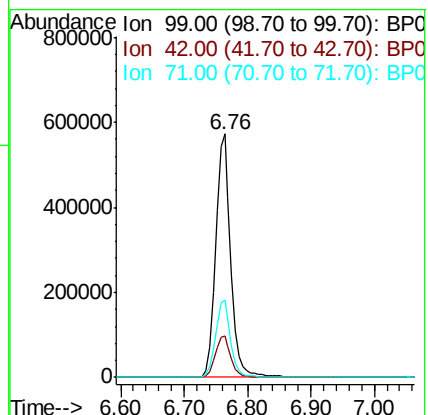
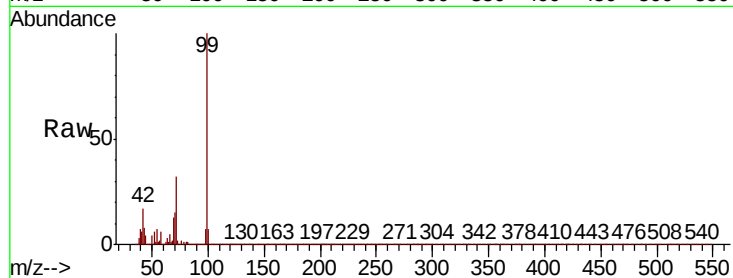
Tot Ion: 99 Resp: 964314

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.2

71 31.7 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: BP002775.D

Acq: 16 Jul 2020 16:47

Tgt Ion: 136 Resp: 904849

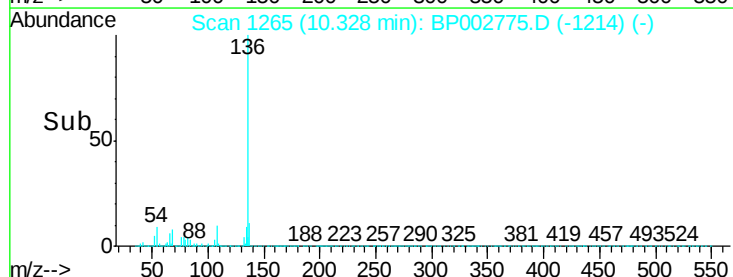
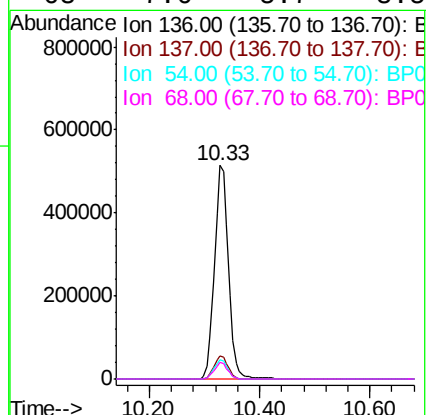
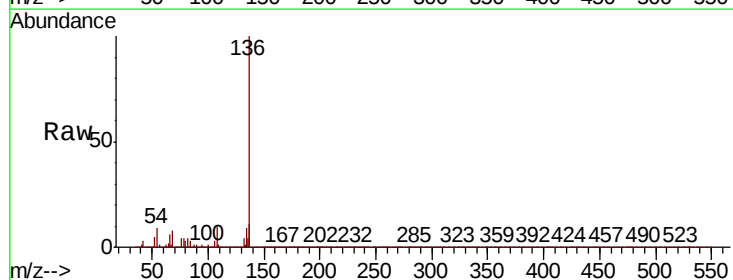
Ion Ratio Lower Upper

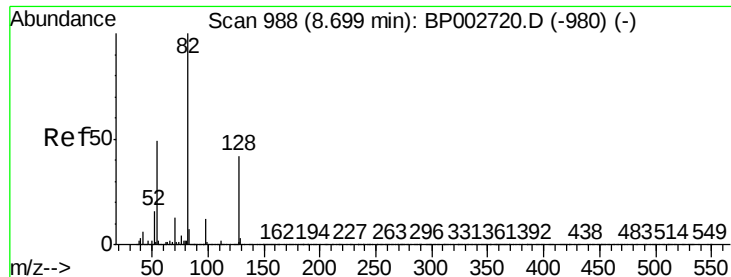
136 100

137 11.0 8.6 13.0

54 9.1 6.9 10.3

68 7.6 5.7 8.5

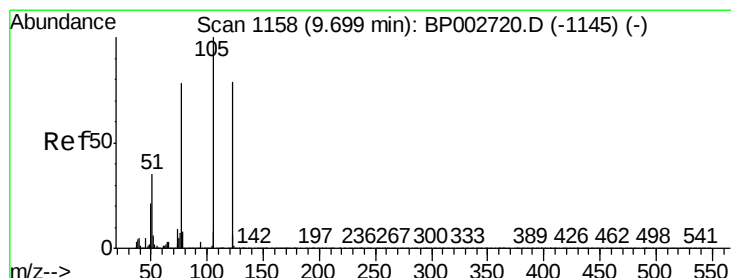
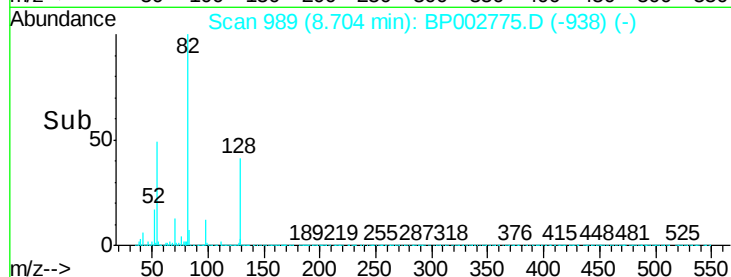
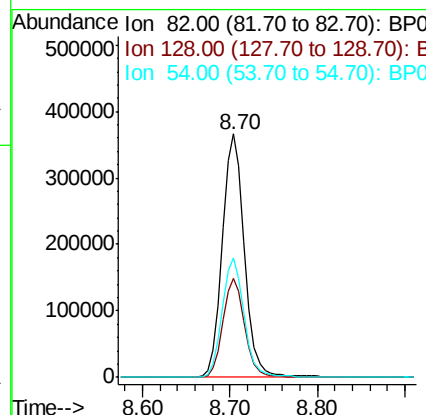
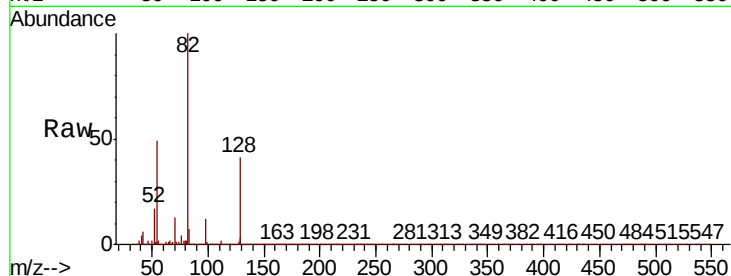




#23
Nitrobenzene-d5
Concen: 37.859 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

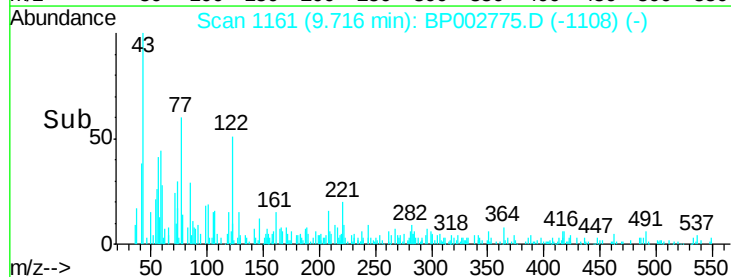
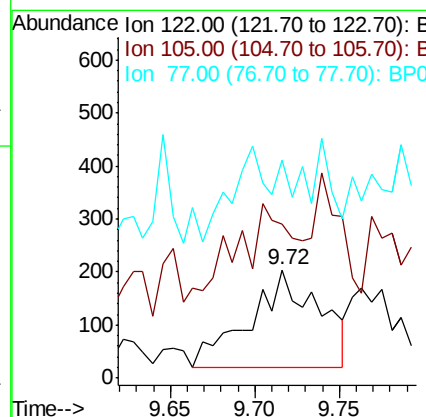
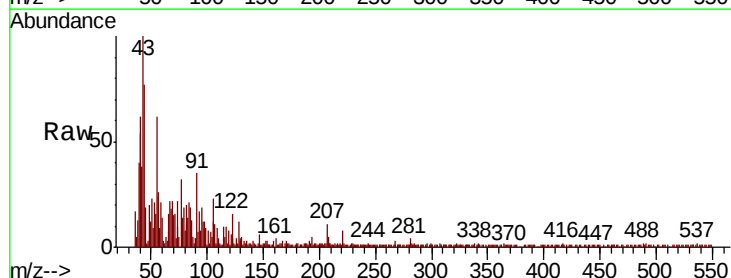
Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

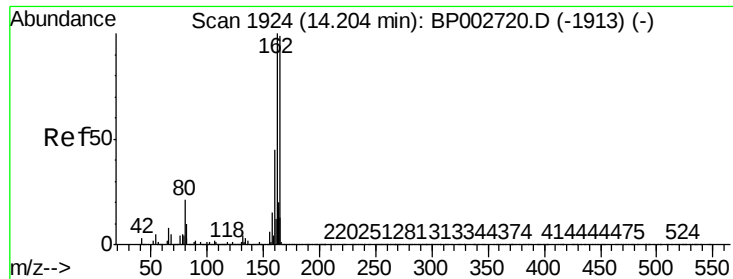
Tot Ion	82	Resp	640501
Ion Ratio	Lower	Upper	
82	100		
128	40.6	33.8	50.8
54	48.9	38.8	58.2



#32
Benzoic acid
Concen: 7.107 ng
RT: 9.72 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Tgt Ion	122	Resp	527
Ion Ratio	Lower	Upper	
122	100		
105	142.6	105.4	145.4
77	201.0	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: BP002775.D

Acq: 16 Jul 2020 16:47

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

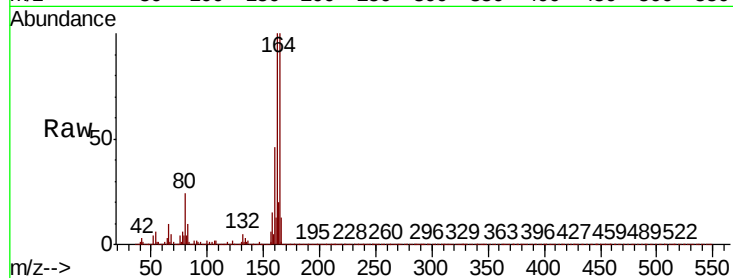
Tot Ion:164 Resp: 547963

Ion Ratio Lower Upper

164 100

162 99.6 80.6 121.0

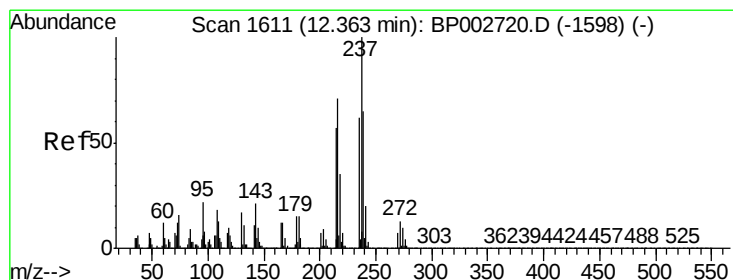
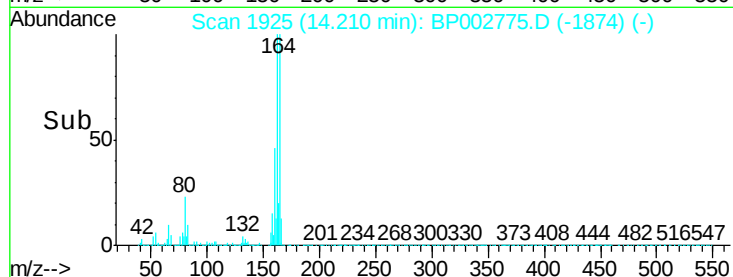
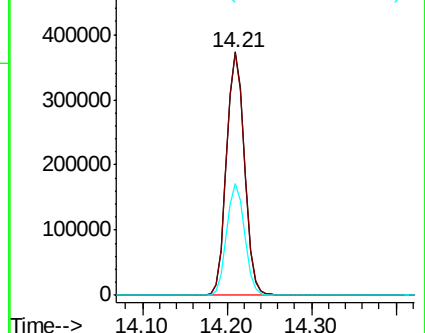
160 46.1 36.4 54.6



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: 7.438 ng

RT: 12.30 min Scan# 1600

Delta R.T. -0.06 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

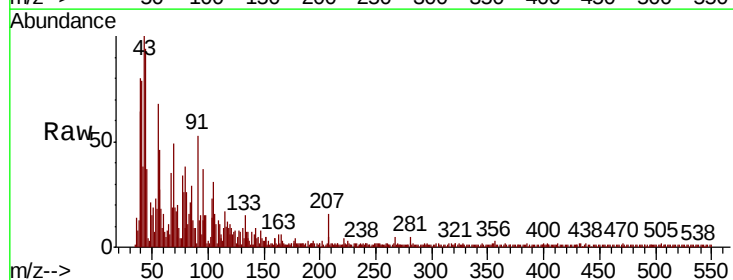
Tgt Ion:237 Resp: 34

Ion Ratio Lower Upper

237 100

235 77.8 42.3 82.3

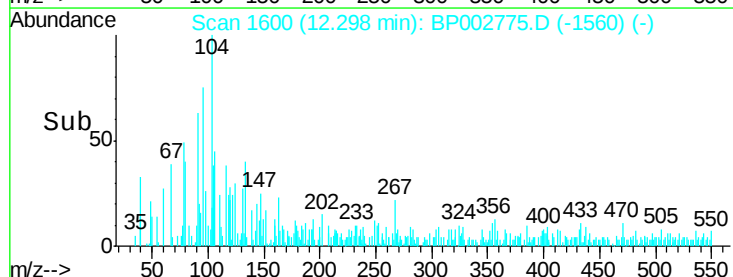
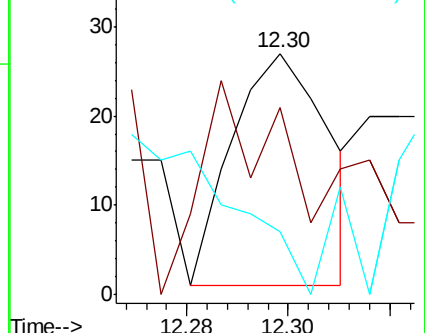
272 25.9 0.0 32.5

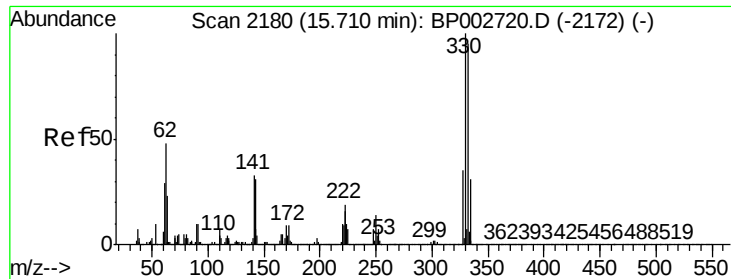


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

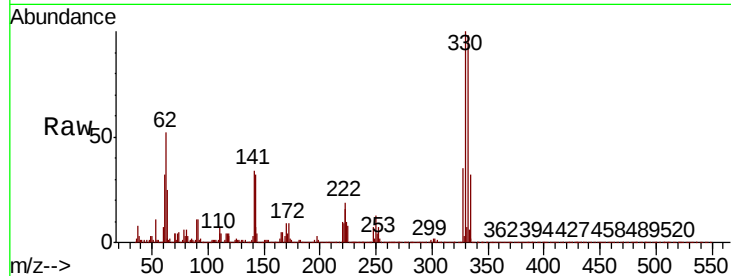




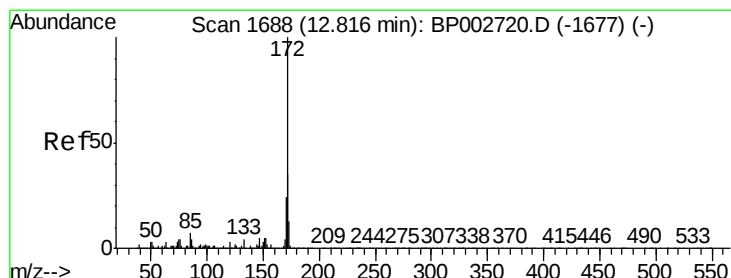
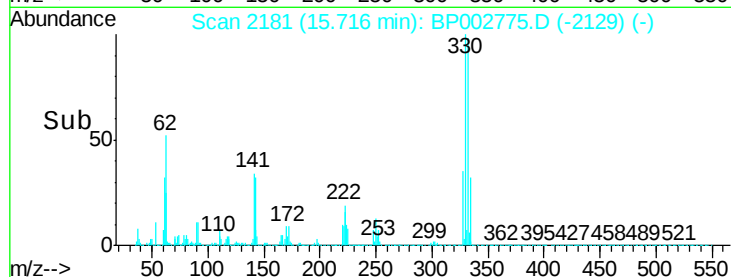
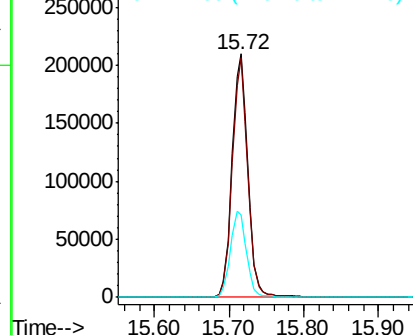
#42
2,4,6-Tribromophenol
Concen: 54.701 ng
RT: 15.72 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

Tot Ion:330 Resp: 312884
Ion Ratio Lower Upper
330 100
332 96.4 76.5 114.7
141 35.9 28.8 43.2

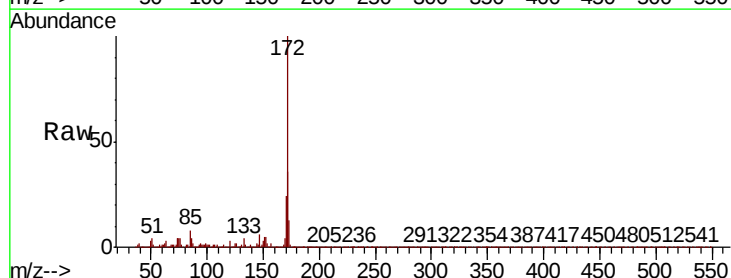


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

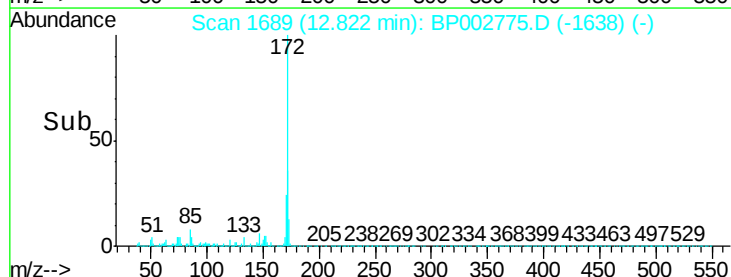
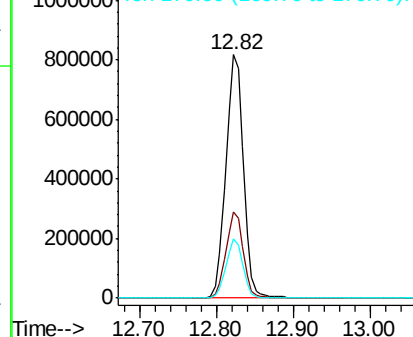


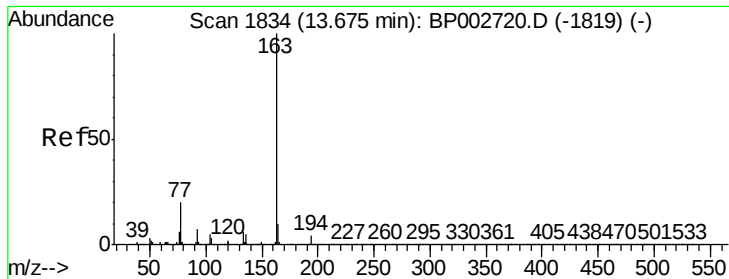
#45
2-Fluorobiphenyl
Concen: 36.475 ng
RT: 12.82 min Scan# 1689
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Tgt Ion:172 Resp: 1291994
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.2 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

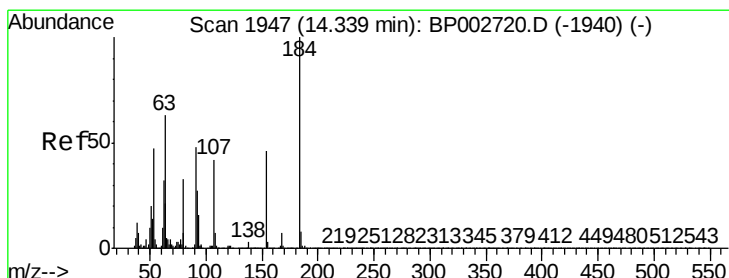
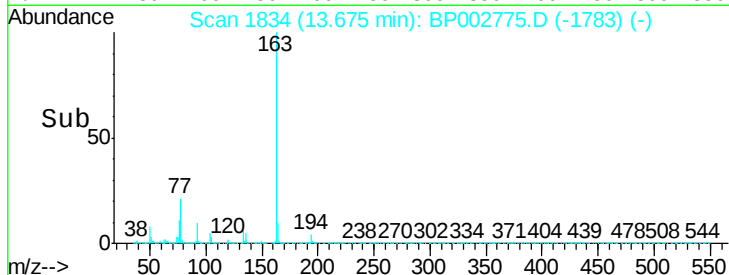
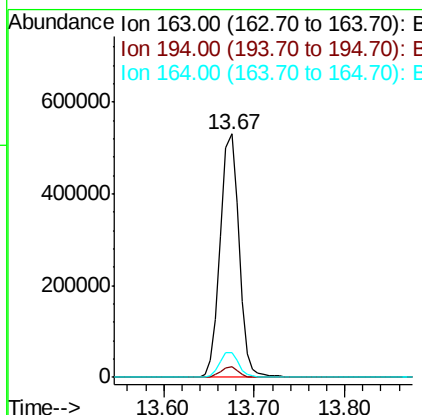
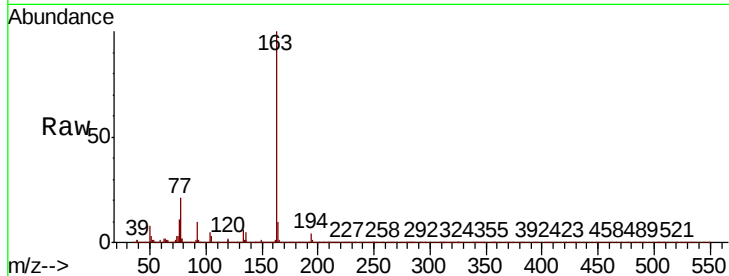




#50
Dimethylphthalate
Concen: 18.290 ng
RT: 13.67 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

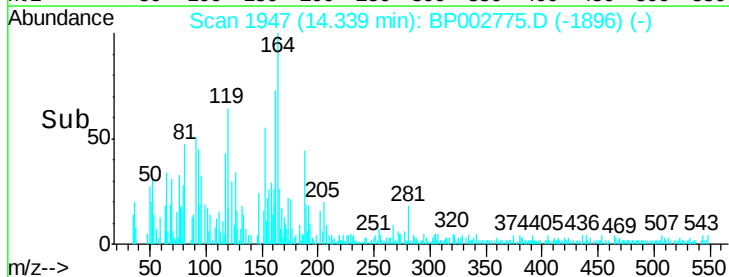
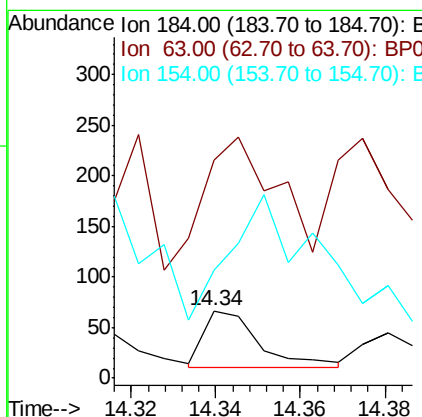
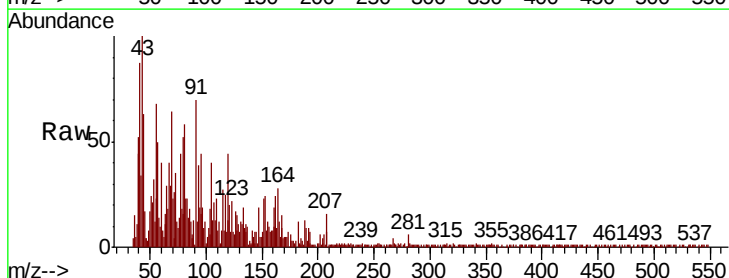
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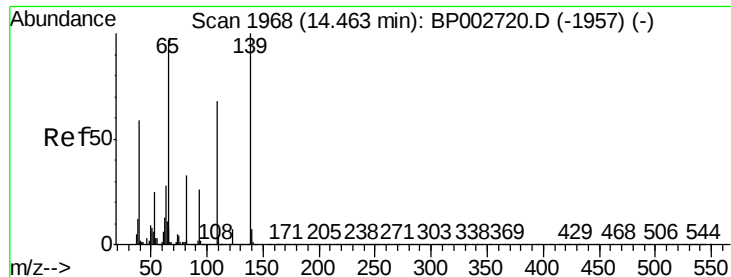
Tot Ion:163 Resp: 764334
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.2
164 10.4 7.8 11.8



#54
2,4-Dinitrophenol
Concen: 11.383 ng
RT: 14.34 min Scan# 1947
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Tgt Ion:184 Resp: 50
Ion Ratio Lower Upper
184 100
63 322.4 51.6 77.4#
154 159.7 45.0 67.6#





#56

4-Nitrophenol

Concen: 4.984 ng

RT: 14.50 min Scan# 1975

Delta R.T. 0.04 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

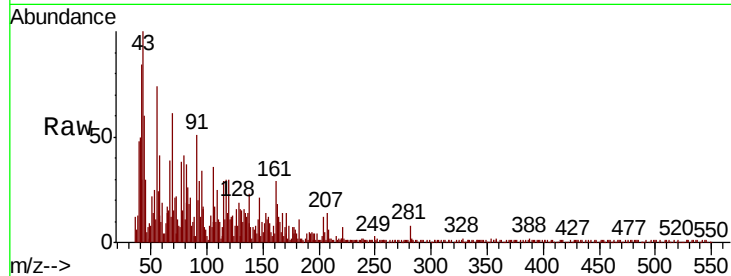
Tot Ion:139 Resp: 103

Ion Ratio Lower Upper

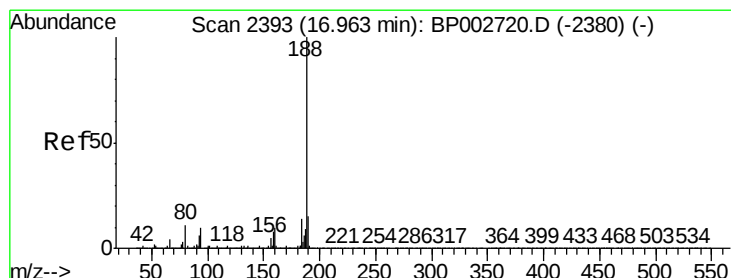
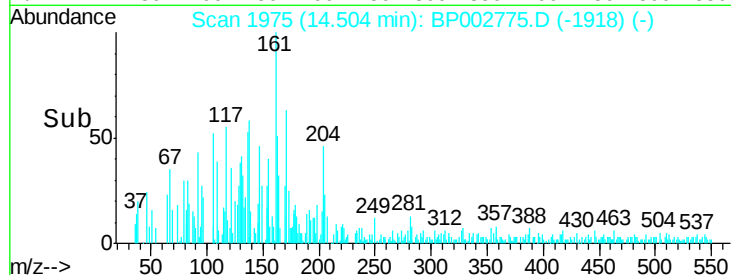
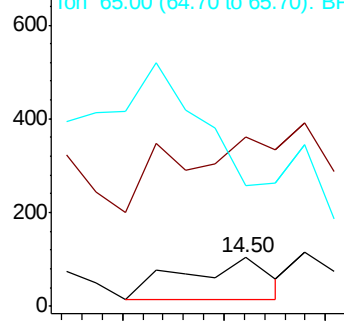
139 100

109 347.1 48.1 88.1#

65 246.2 77.9 117.9#



Abundance Ion 139.00 (138.70 to 139.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

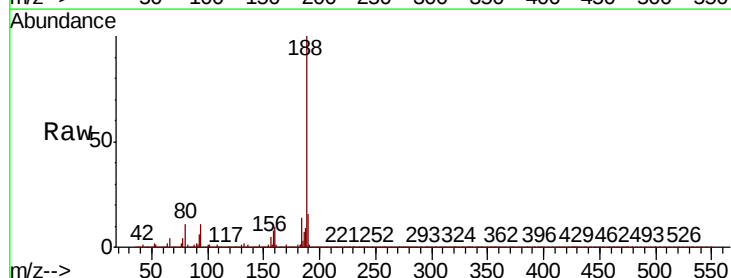
Tgt Ion:188 Resp: 1095557

Ion Ratio Lower Upper

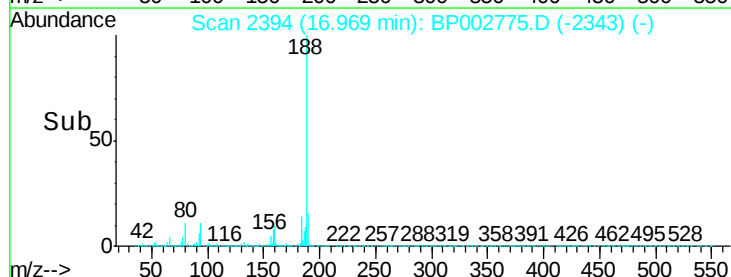
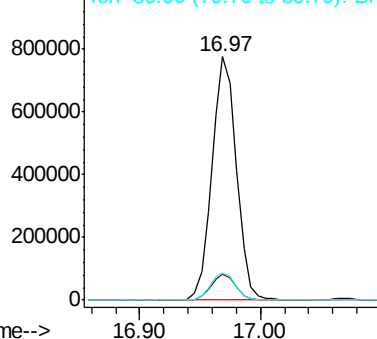
188 100

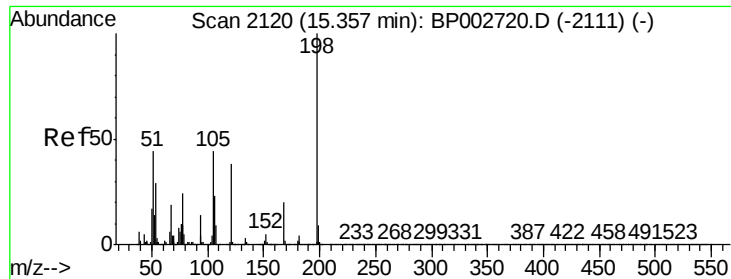
94 10.8 8.1 12.1

80 11.4 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

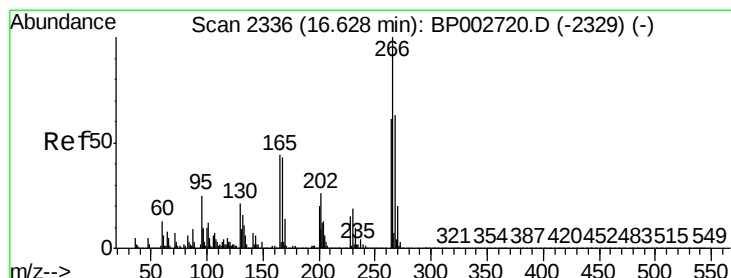
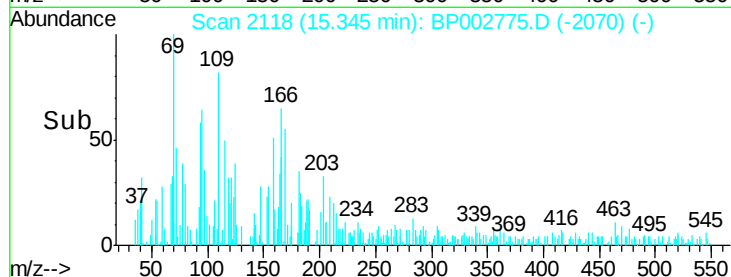
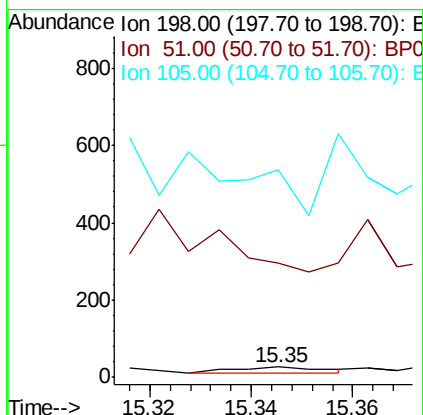
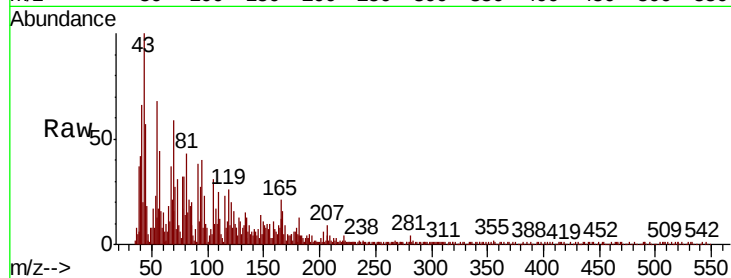




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.269 ng
 RT: 15.35 min Scan# 2118
 Delta R.T. -0.02 min
 Lab File: BP002775.D
 Acq: 16 Jul 2020 16:47

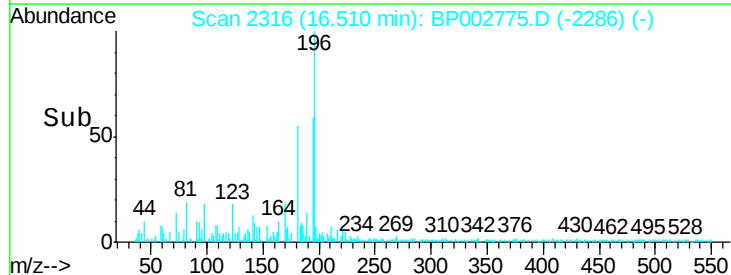
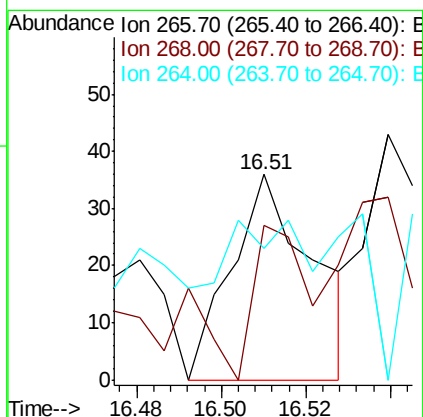
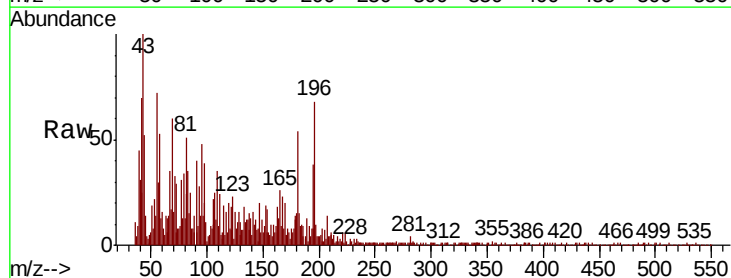
Instrument :
 BNA_P
 ClientSampleId :
 CARLSTADT-SAMPLE-2020

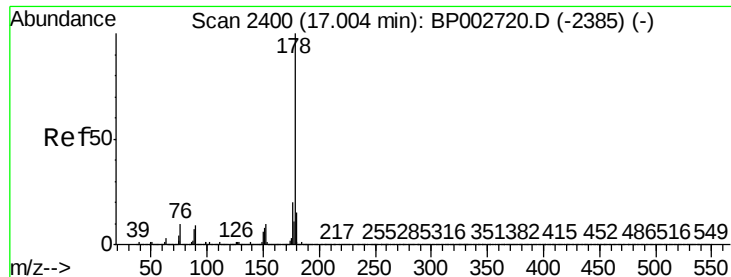
Tot Ion:198 Resp: 20
 Ion Ratio Lower Upper
 198 100
 51 1100.0 27.1 67.1#
 105 1985.2 24.9 64.9#



#70
 Pentachlorophenol
 Concen: 7.449 ng
 RT: 16.51 min Scan# 2316
 Delta R.T. -0.12 min
 Lab File: BP002775.D
 Acq: 16 Jul 2020 16:47

Tgt Ion:266 Resp: 48
 Ion Ratio Lower Upper
 266 100
 268 75.0 50.6 75.8
 264 63.9 48.6 72.8

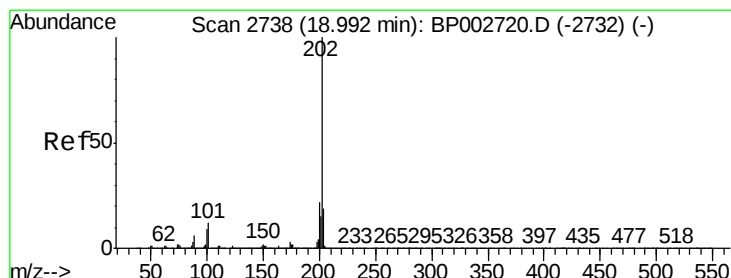
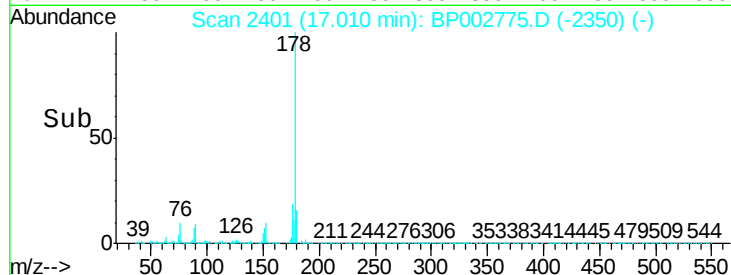
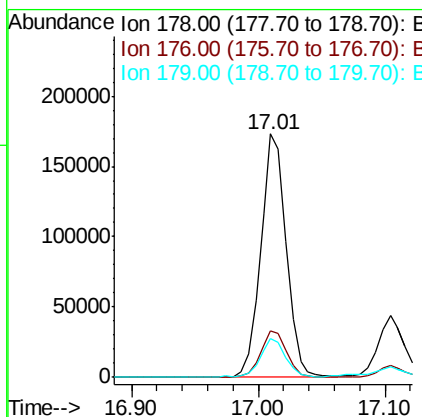
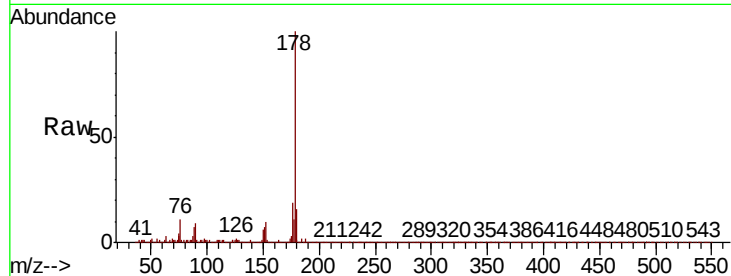




#71
Phenanthrene
Concen: 4.079 ng
RT: 17.01 min Scan# 2401
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

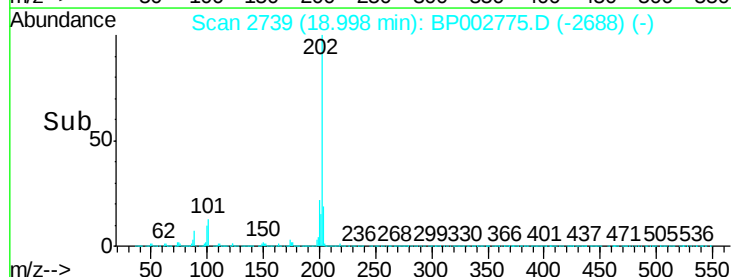
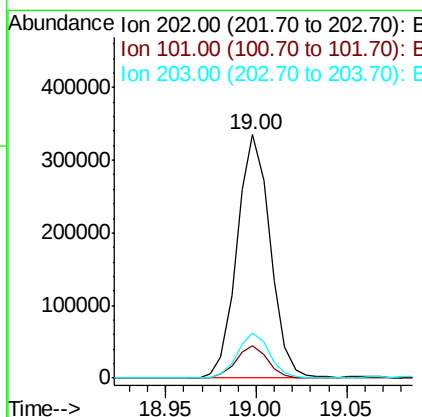
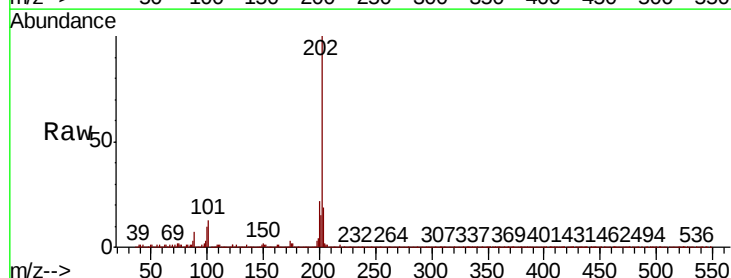
Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

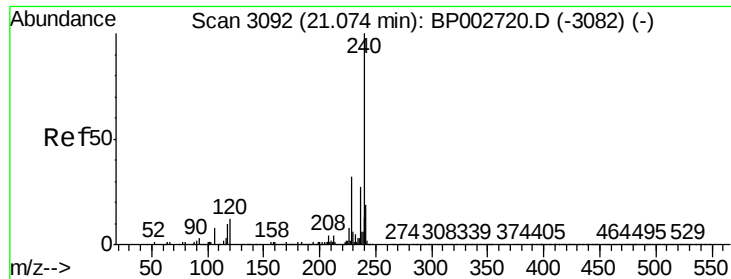
Tot Ion:178 Resp: 241980
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.7 12.3 18.5



#75
Fluoranthene
Concen: 6.217 ng
RT: 19.00 min Scan# 2739
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Tgt Ion:202 Resp: 427303
Ion Ratio Lower Upper
202 100
101 13.3 0.0 32.5
203 18.8 0.0 38.6

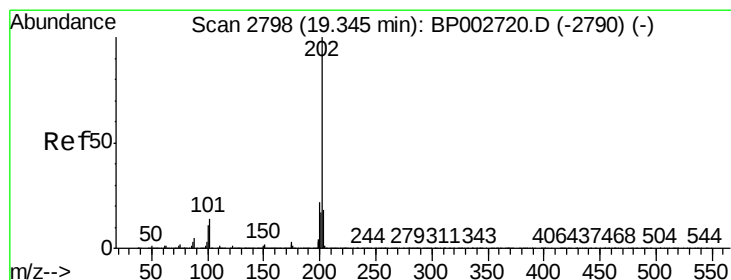
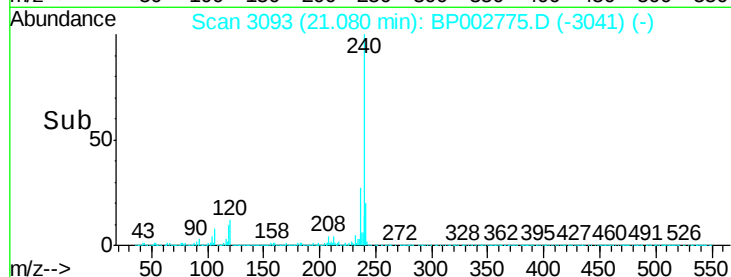
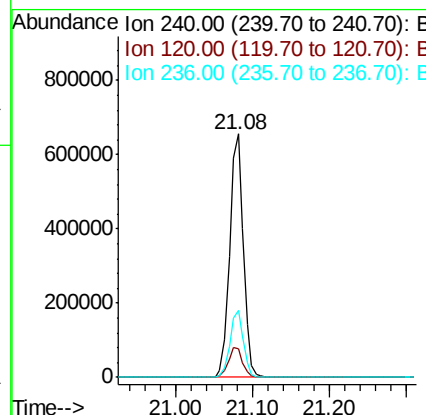
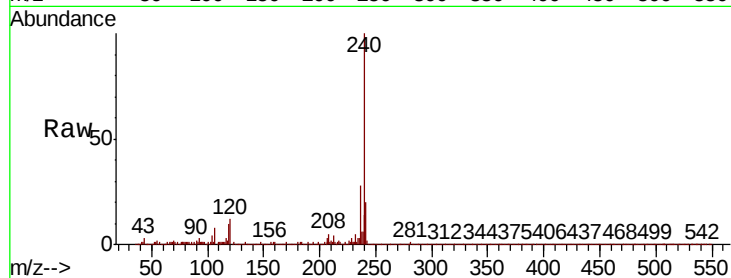




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

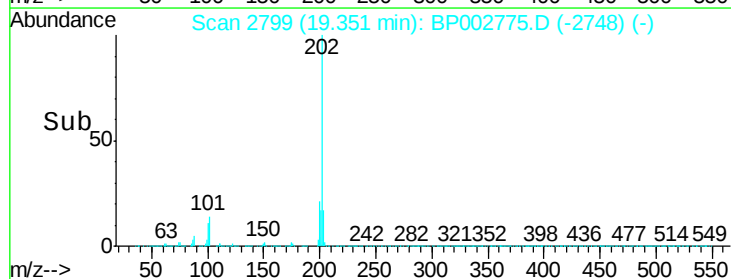
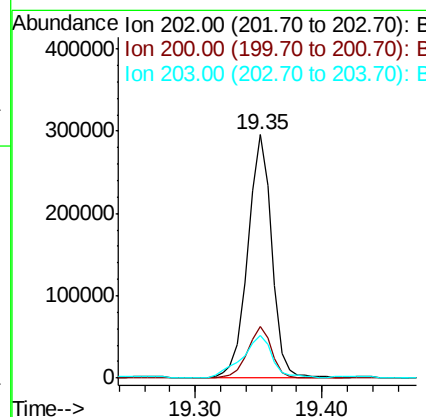
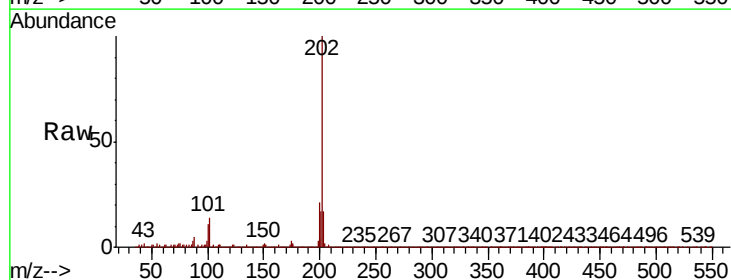
Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

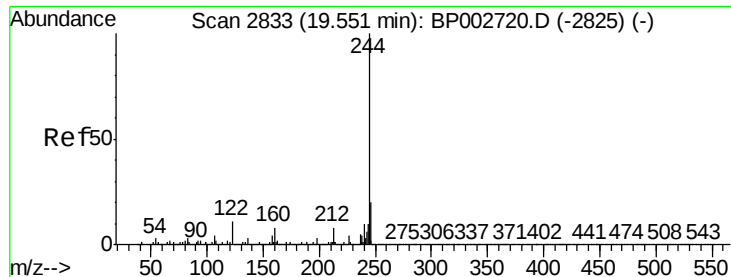
Tot Ion:240 Resp: 809639
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 27.6 21.3 31.9



#78
Pyrene
Concen: 6.936 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

Tgt Ion:202 Resp: 387739
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 17.3 14.5 21.7





#79

Terphenyl-d14

Concen: 42.386 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

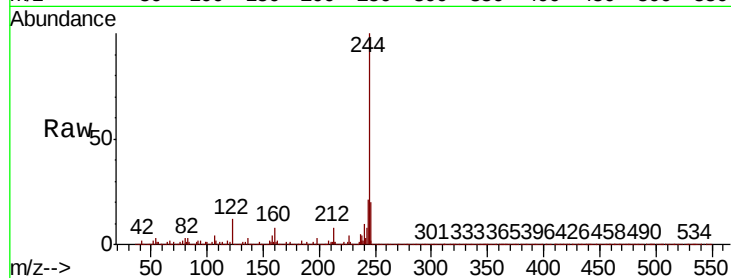
Tot Ion:244 Resp: 1496788

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

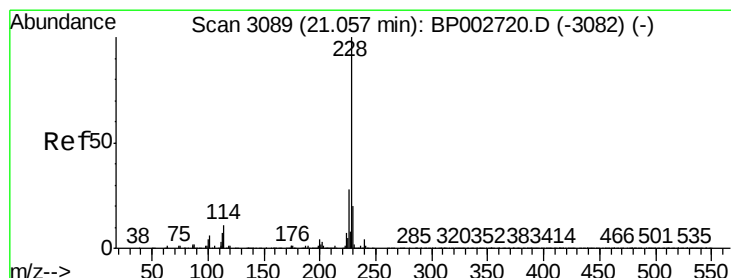
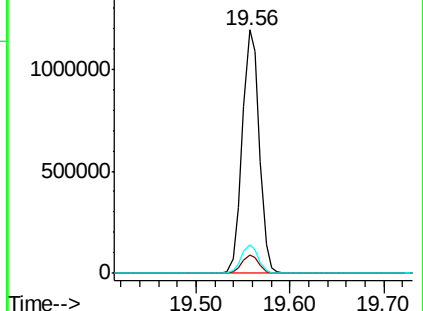
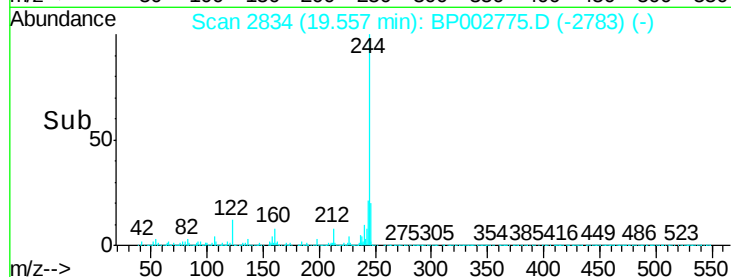
122 11.8 8.9 13.3



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



#81

Benzo(a)anthracene

Concen: 3.510 ng

RT: 21.06 min Scan# 3090

Delta R.T. 0.00 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

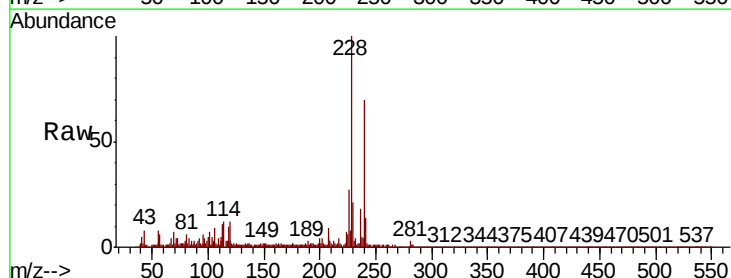
Tgt Ion:228 Resp: 183981

Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

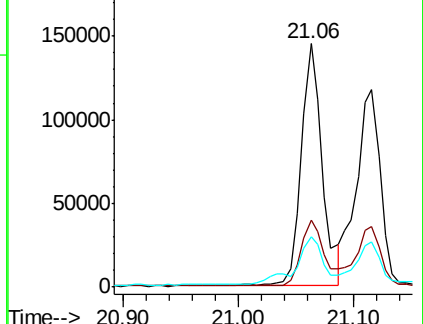
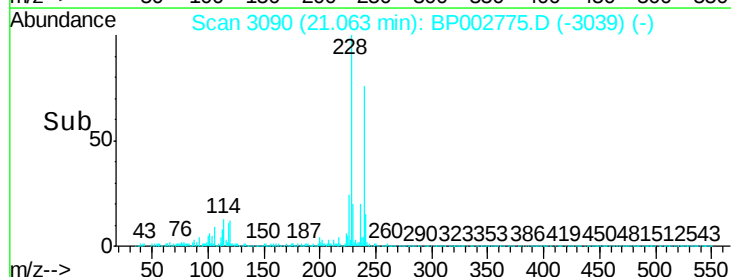
229 20.8 16.0 24.0

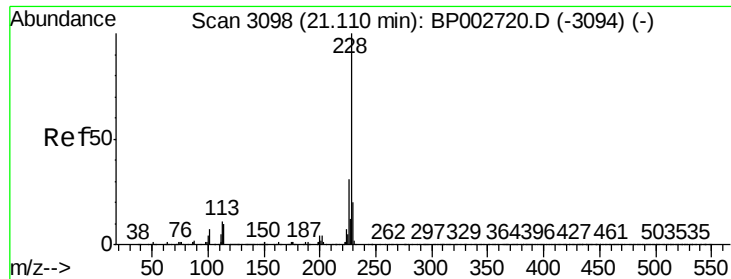


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.423 ng

RT: 21.12 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Instrument :

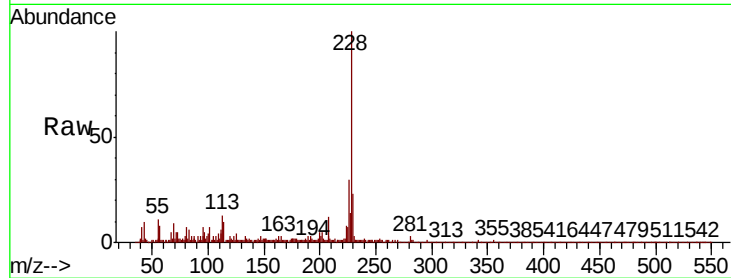
BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

Tot Ion:228 Resp: 170750

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	22.6	15.7	23.5

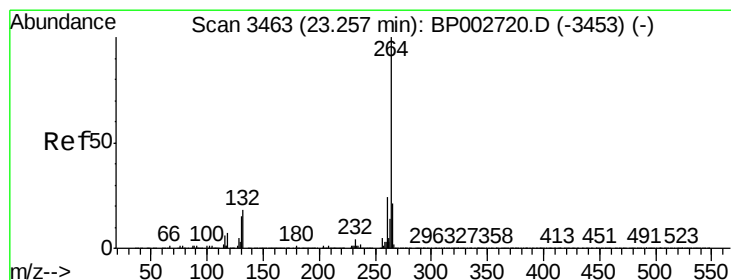
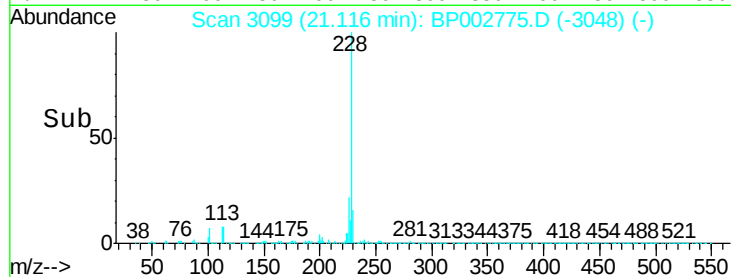
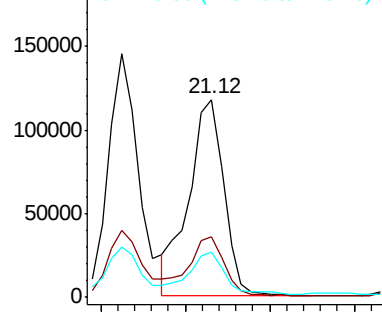


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.27 min Scan# 3465

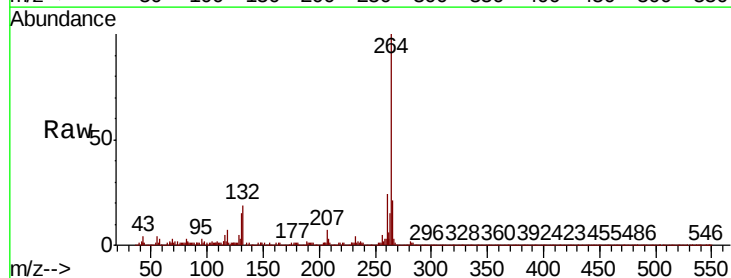
Delta R.T. 0.01 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Tgt Ion:264 Resp: 691372

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	21.5	16.8	25.2

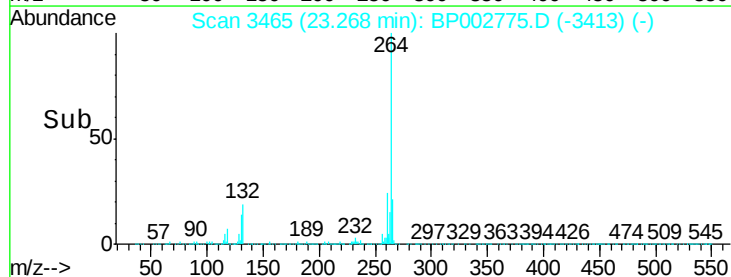
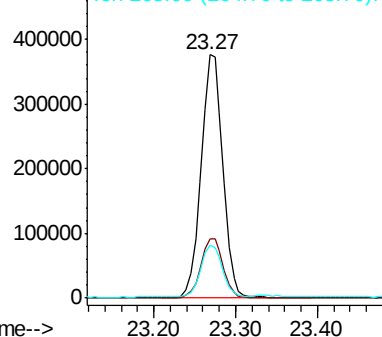


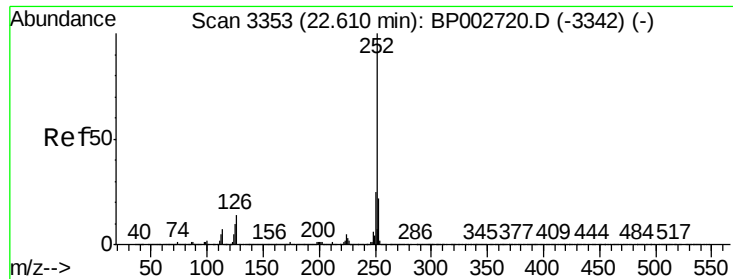
Abundance

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: 4.782 ng

RT: 22.62 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

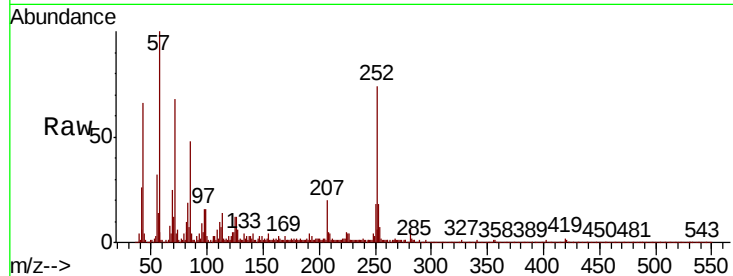
Tot Ion:252 Resp: 205298

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

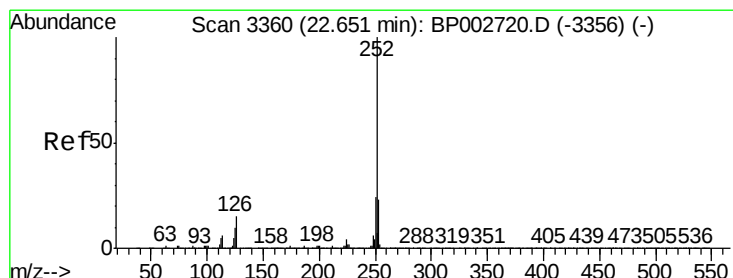
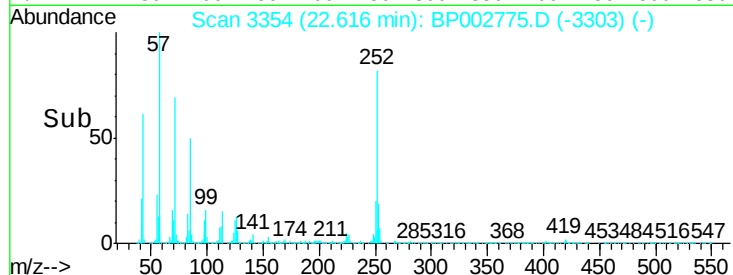
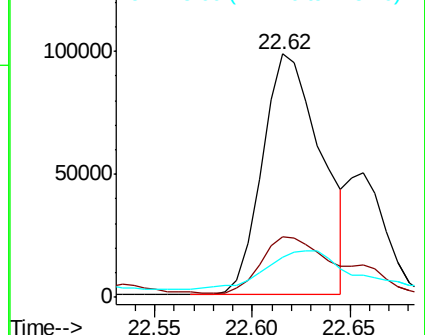
125 16.7 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 4.855 ng

RT: 22.62 min Scan# 3354

Delta R.T. -0.04 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

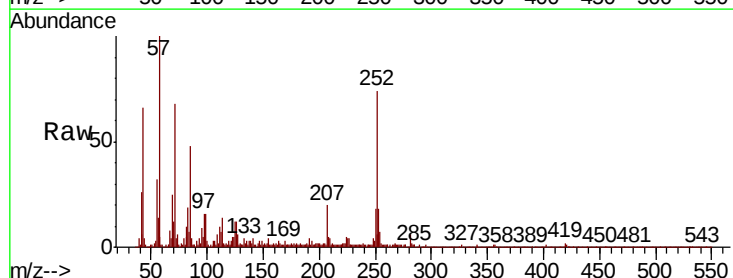
Tgt Ion:252 Resp: 205298

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.8

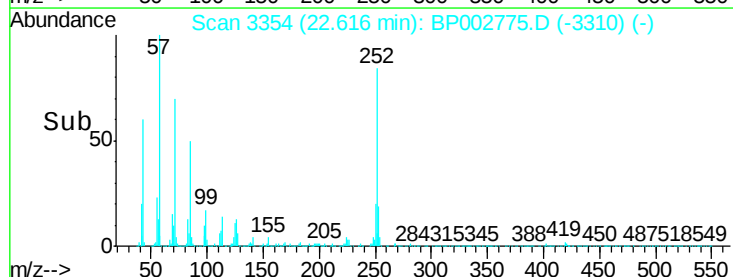
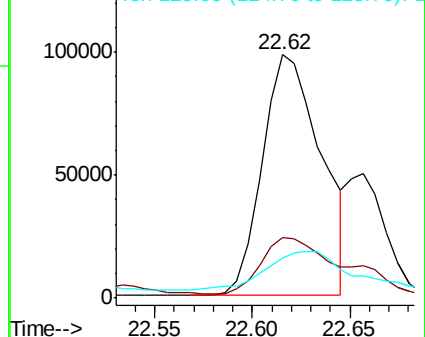
125 16.7 8.3 12.5#

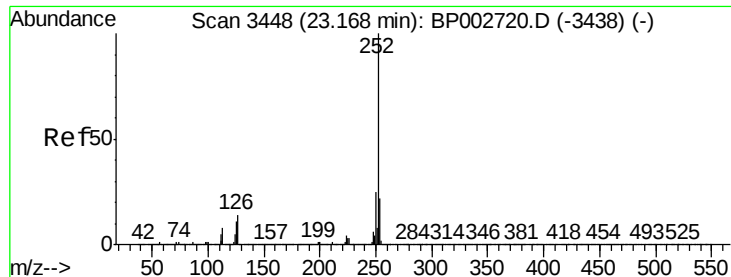


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.383 ng

RT: 23.17 min Scan# 3449

Delta R.T. 0.00 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

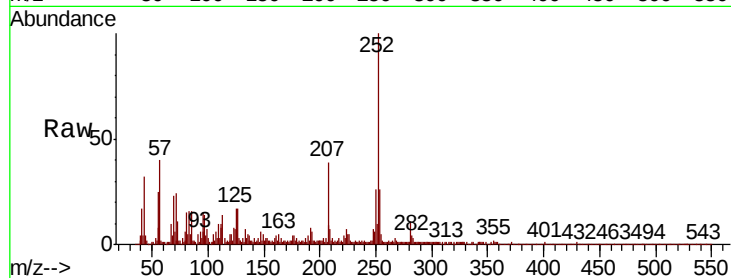
Tot Ion:252 Resp: 137614

Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

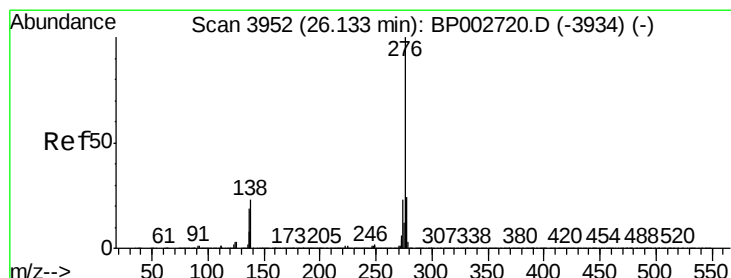
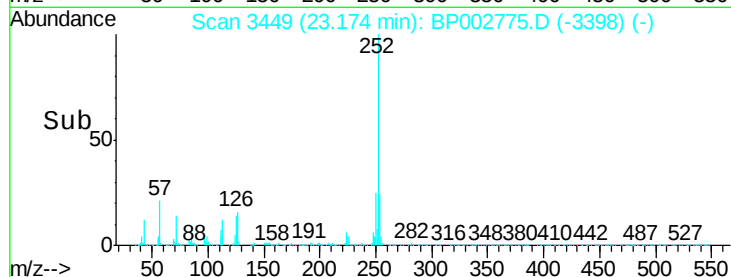
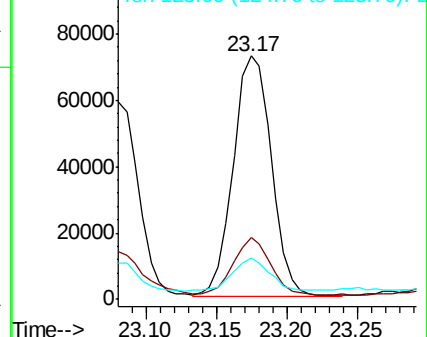
125 17.3 8.6 13.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.457 ng

RT: 26.15 min Scan# 3955

Delta R.T. 0.01 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

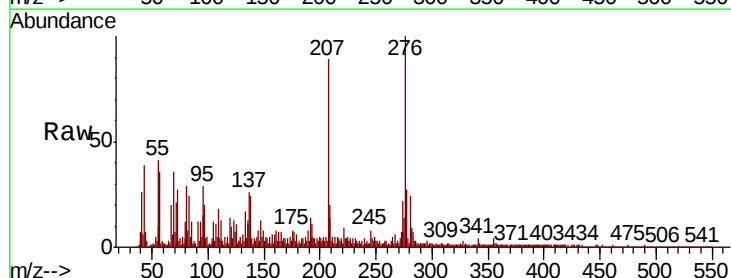
Tgt Ion:276 Resp: 100389

Ion Ratio Lower Upper

276 100

277 27.4 19.1 28.7

138 24.0 18.3 27.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

