

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

Instrument :
 BNA_P
 ClientSampleId :
 CARLSTADT-SAMPLE-2020

Quant Time: Jul 16 18:35:00 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

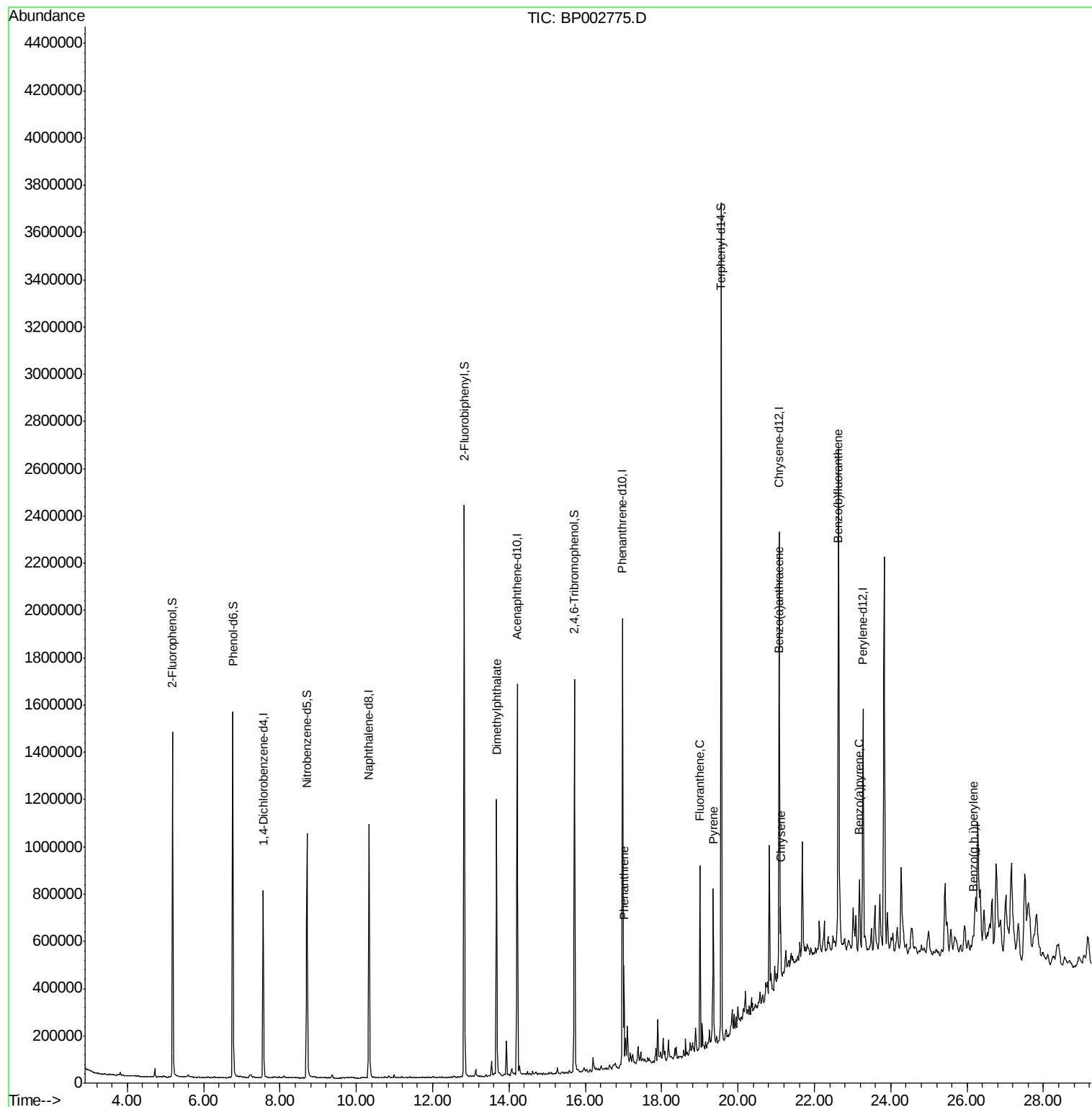
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	209027	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	904849	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	547963	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1095557	20.00	ng	0.00
76) Chrysene-d12	21.08	240	809639	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
50) Dimethylphthalate	13.67	163	764334	18.290	ng	99
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
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

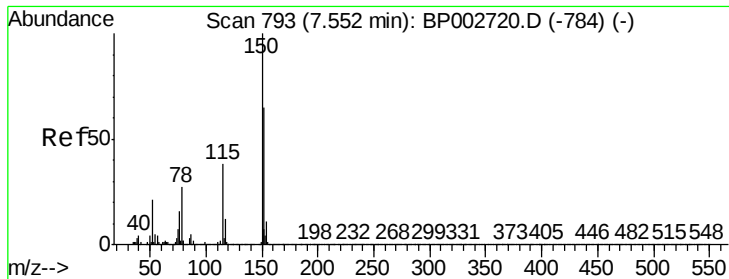
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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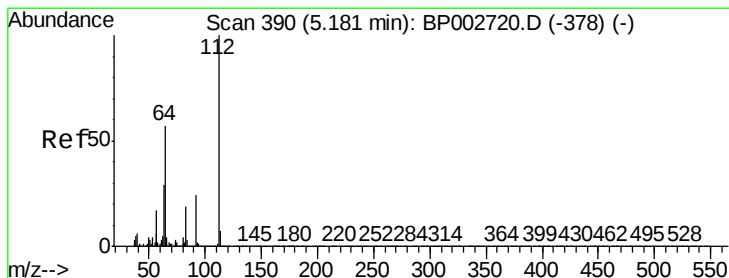
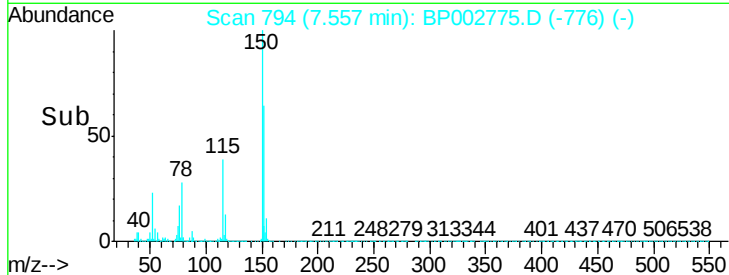
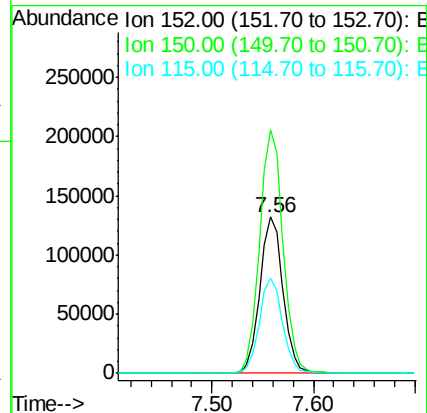
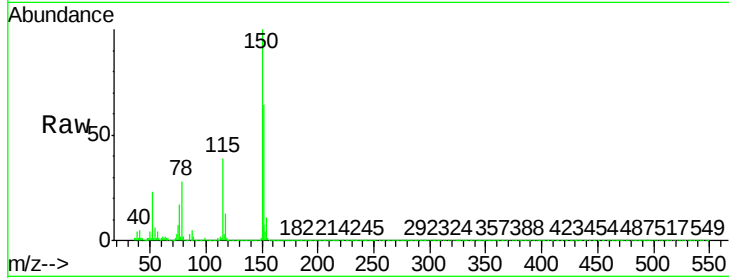


#1

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

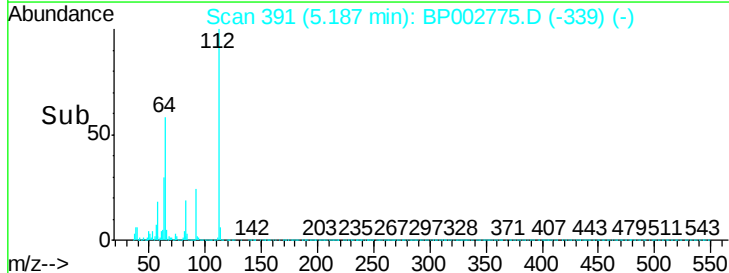
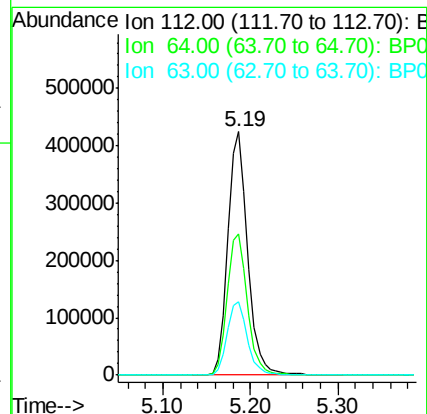
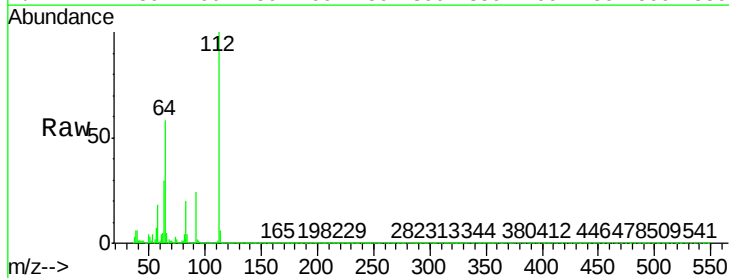
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.7	185.5
115	60.8	47.2	70.8

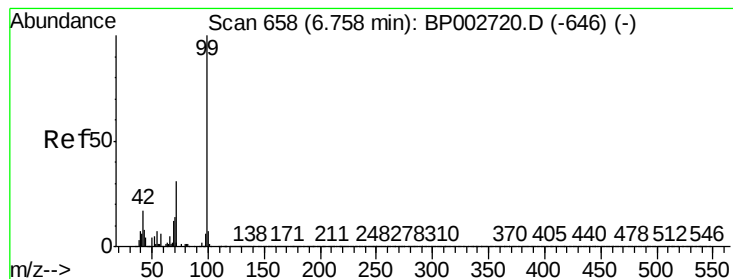


#5

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

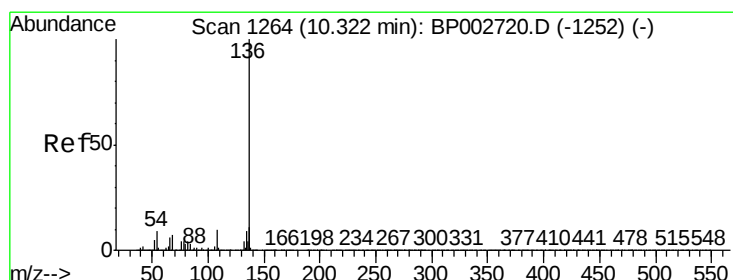
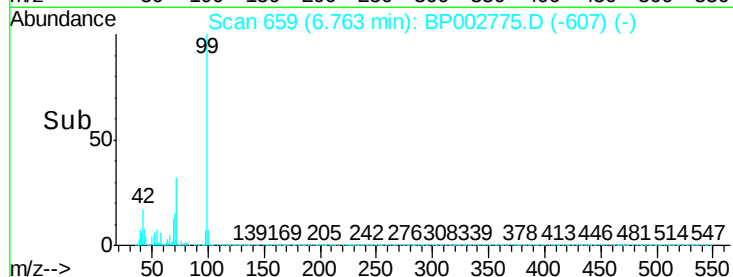
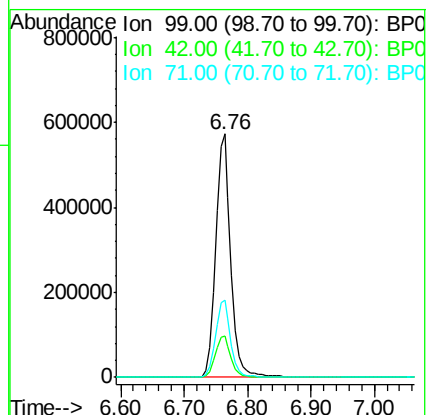
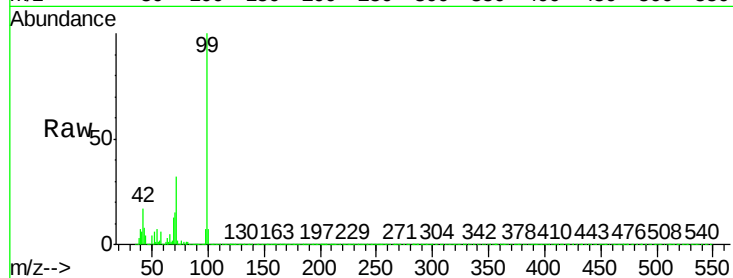
Tot Ion: 99 Resp: 964314

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

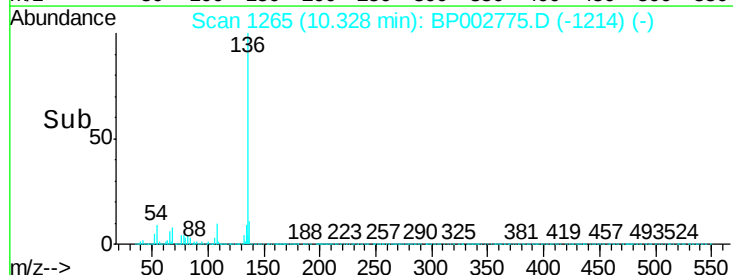
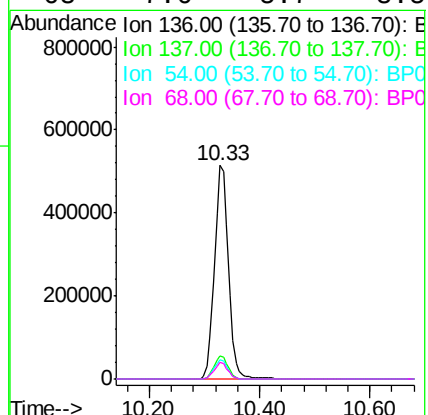
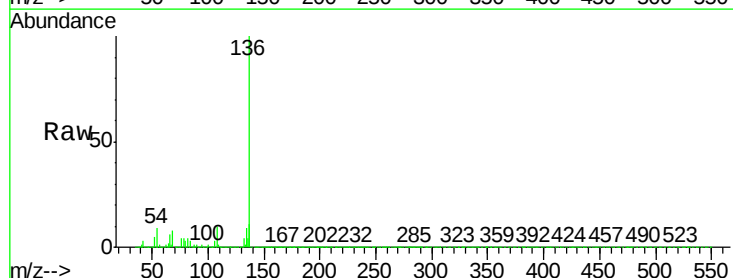
Ion Ratio Lower Upper

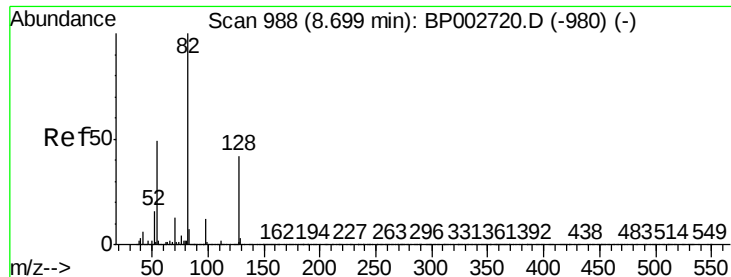
136 100

137 11.0 8.6 13.0

54 9.1 6.9 10.3

68 7.6 5.7 8.5

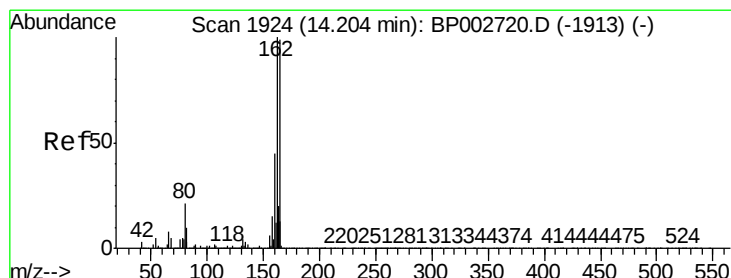
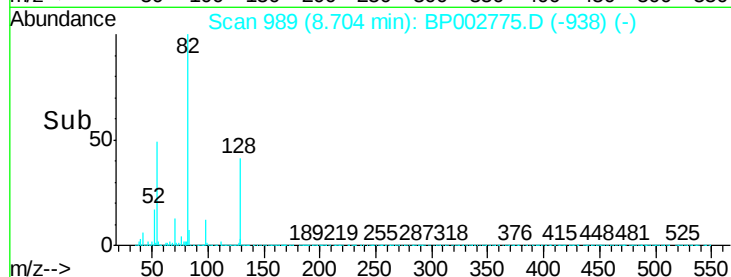
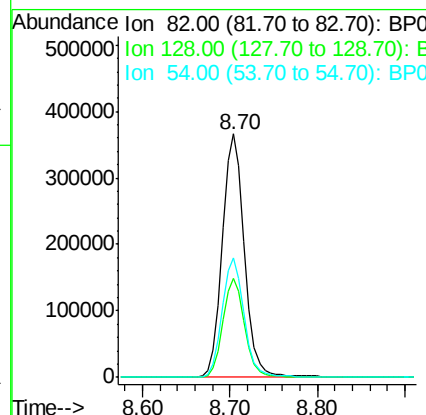
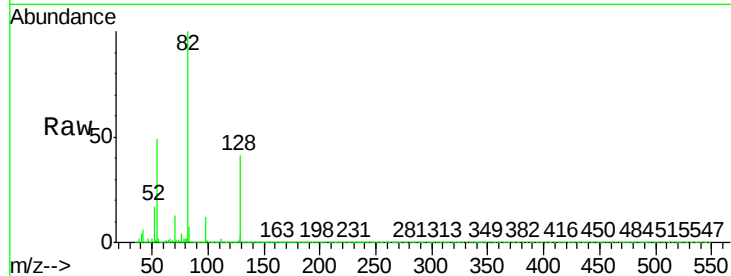




#23
Nitrobenzene-d5
Concen: 37.859 ng
RT: 8.70 min Scan# 989
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

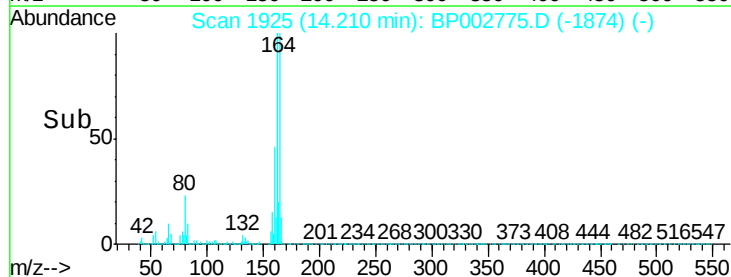
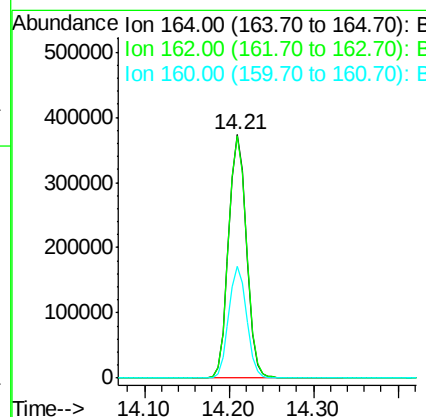
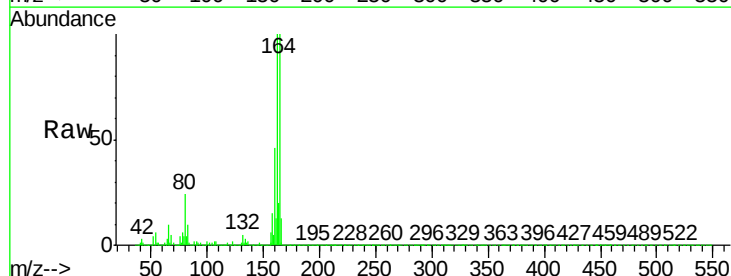
Instrument :
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CARLSTADT-SAMPLE-2020

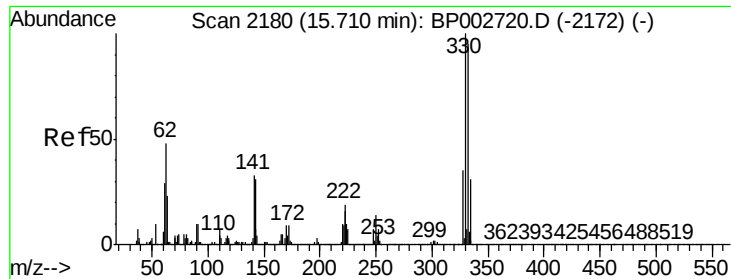
Tot Ion	82	Resp	640501
Ion Ratio	Lower	Upper	
82	100		
128	40.6	33.8	50.8
54	48.9	38.8	58.2



#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

Tgt Ion	164	Resp	547963
Ion Ratio	Lower	Upper	
164	100		
162	99.6	80.6	121.0
160	46.1	36.4	54.6

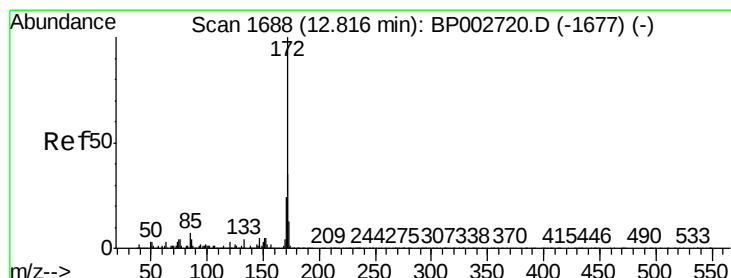
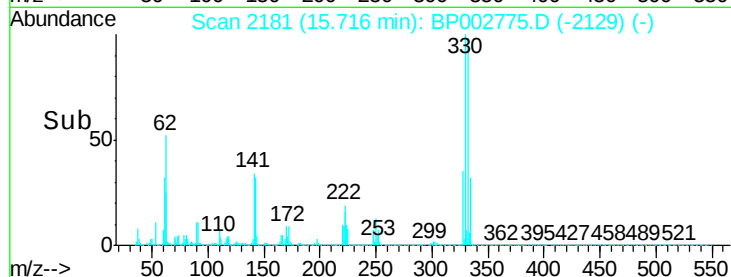
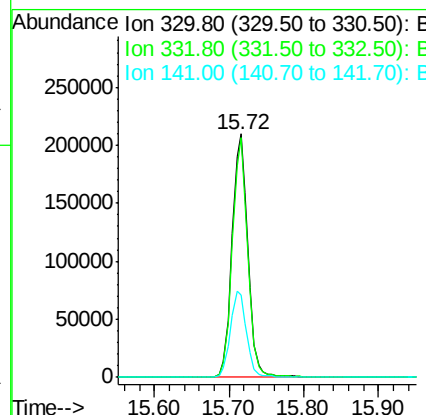
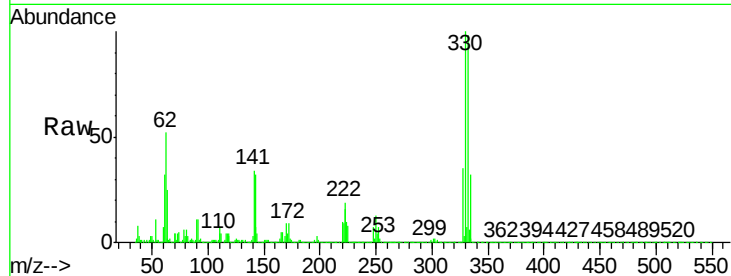




#42
 2,4,6-Tribromophenol
 Concen: 54.701 ng
 RT: 15.72 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: BP002775.D
 Acq: 16 Jul 2020 16:47

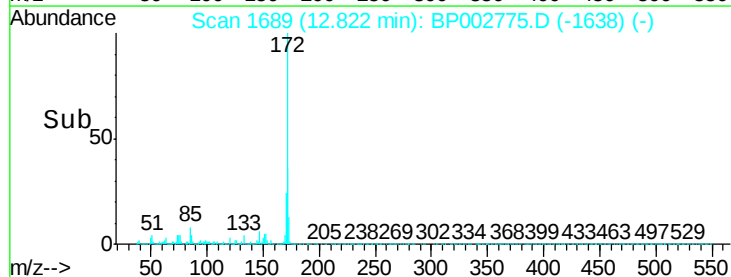
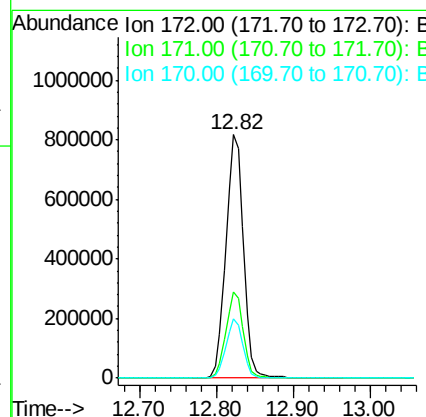
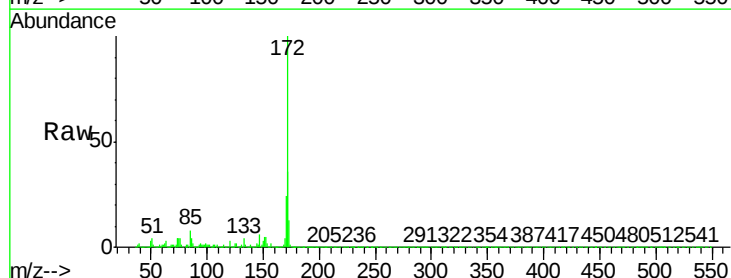
Instrument :
 BNA_P
 ClientSampleId :
 CARLSTADT-SAMPLE-2020

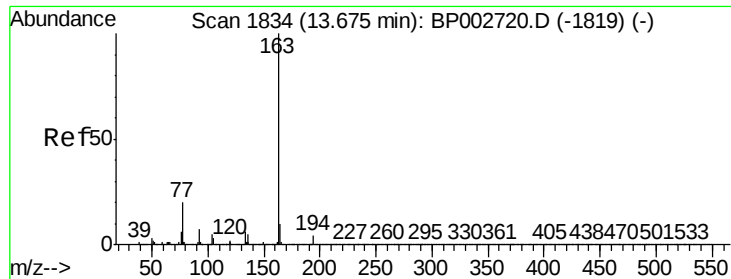
Tot Ion:330 Resp: 312884
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.5 114.7
 141 35.9 28.8 43.2



#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





#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

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

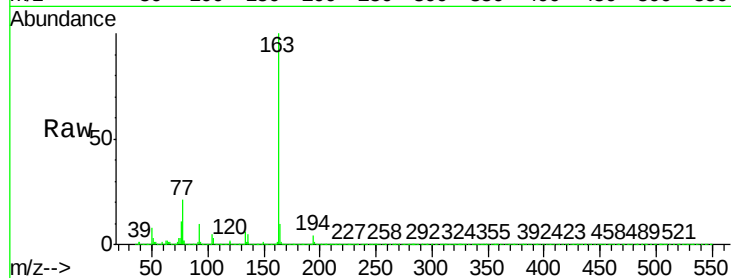
Tot Ion:163 Resp: 764334

Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

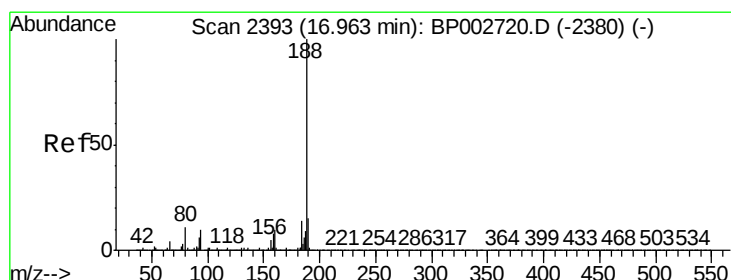
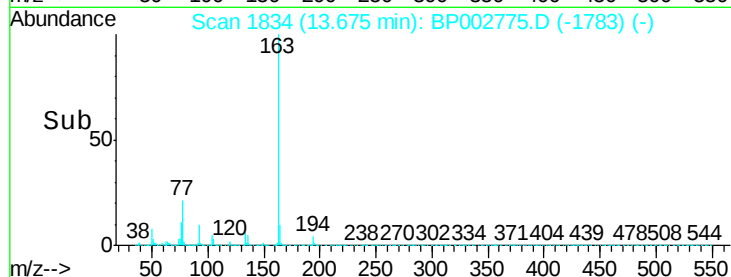
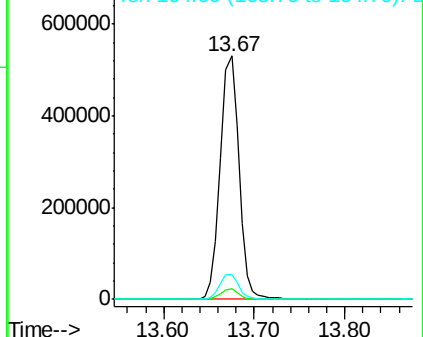
164 10.4 7.8 11.8



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



#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

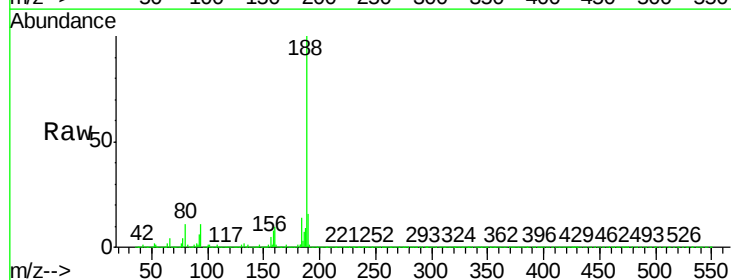
Tgt Ion:188 Resp: 1095557

Ion Ratio Lower Upper

188 100

94 10.8 8.1 12.1

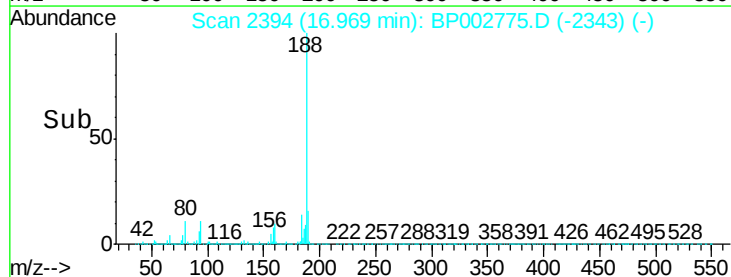
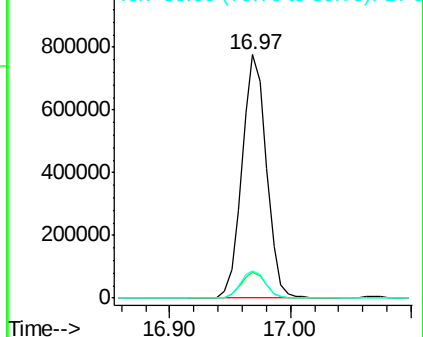
80 11.4 8.9 13.3

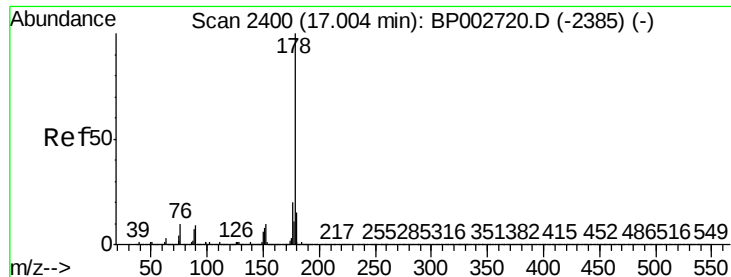


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#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 :

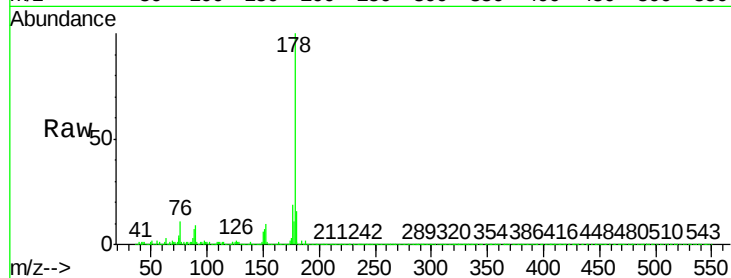
BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

Tot Ion:178 Resp: 241980

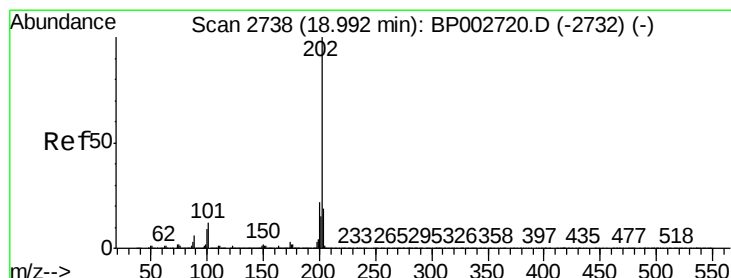
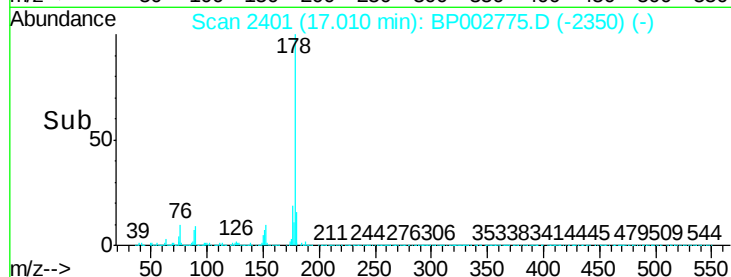
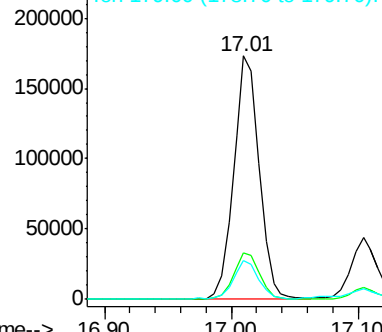
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.7	12.3	18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.217 ng

RT: 19.00 min Scan# 2739

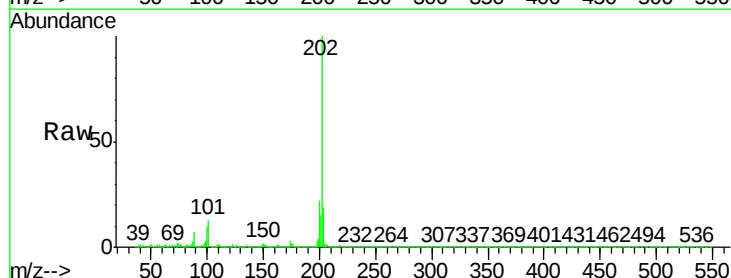
Delta R.T. 0.00 min

Lab File: BP002775.D

Acq: 16 Jul 2020 16:47

Tgt Ion:202 Resp: 427303

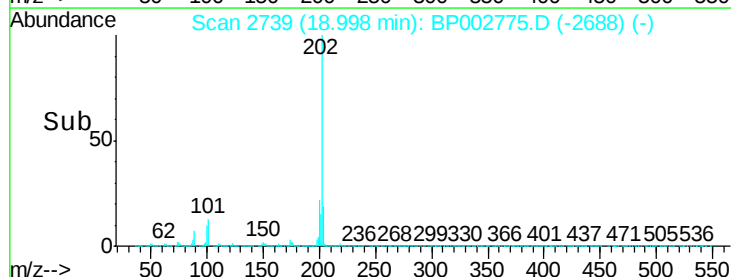
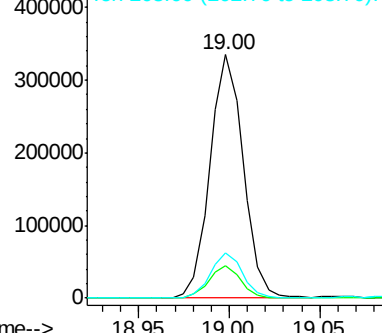
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	32.5
203	18.8	0.0	38.6

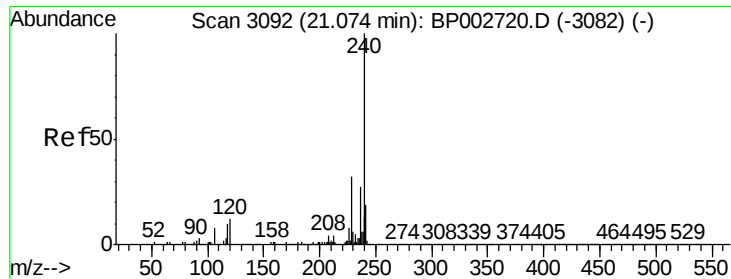


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

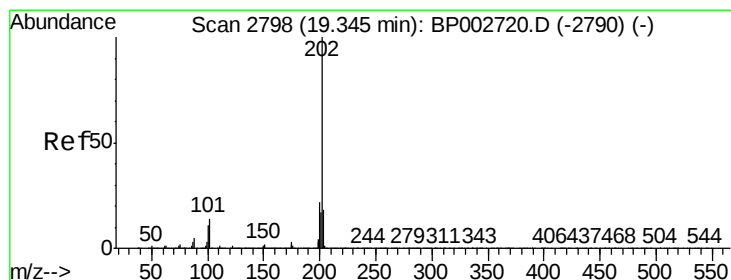
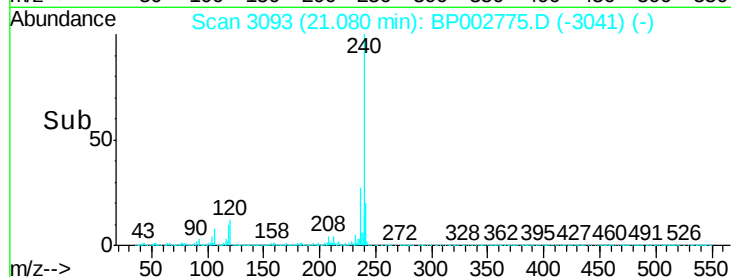
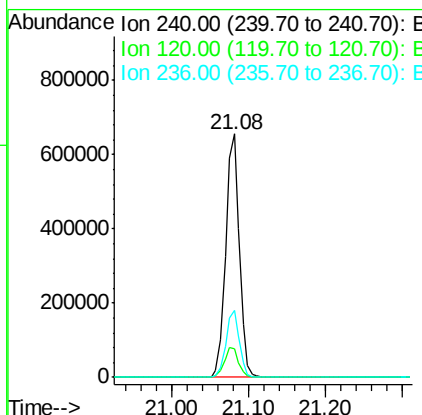
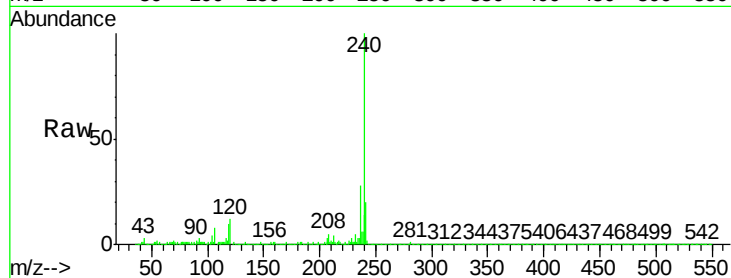




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

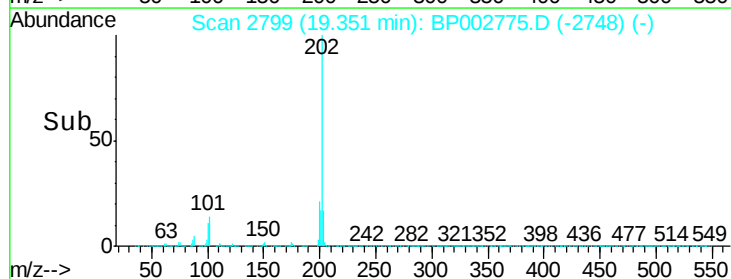
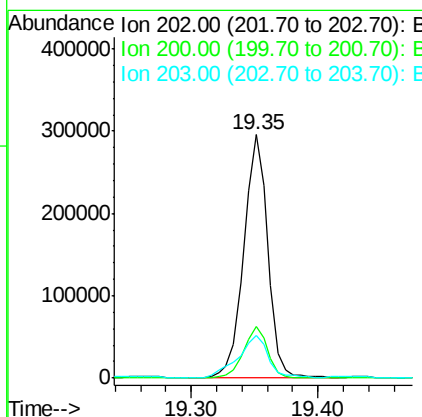
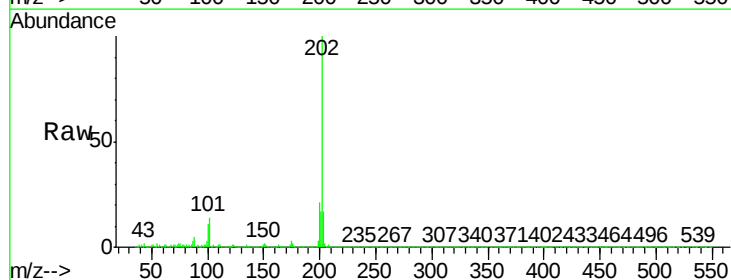
Instrument :
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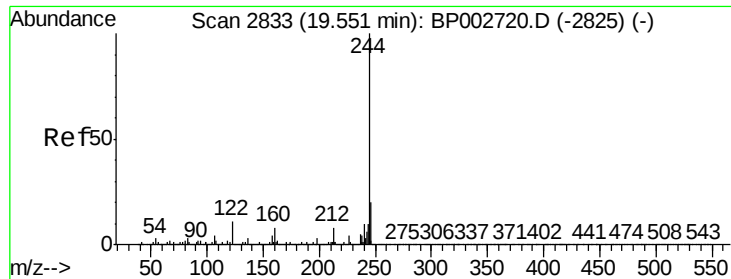
Tot Ion:240 Resp: 809639
Ion Ratio Lower Upper
240 100
120 11.6 9.4 14.2
236 27.6 21.3 31.9



#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

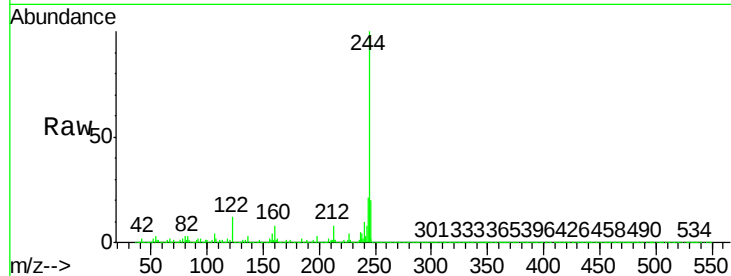
Tot Ion:244 Resp: 1496788

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

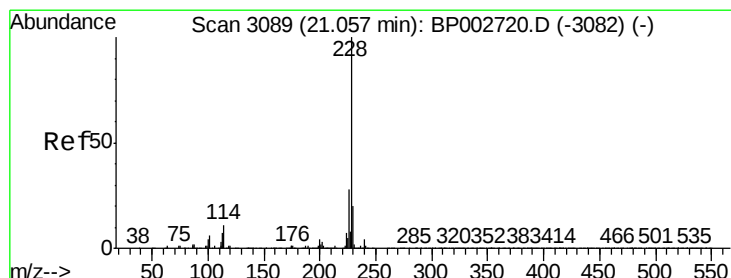
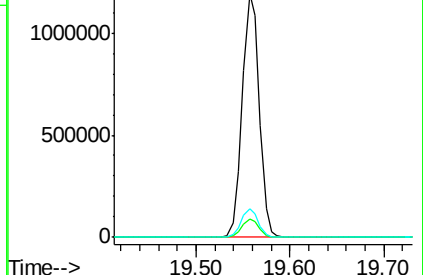
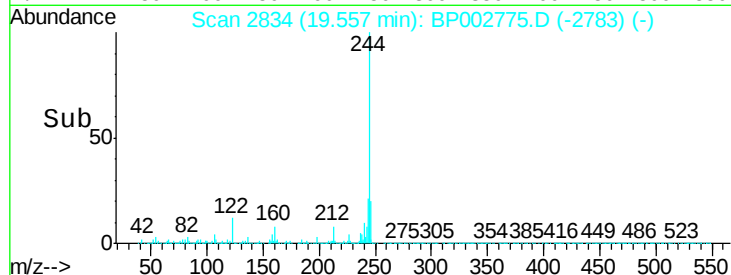
122 11.8 8.9 13.3



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

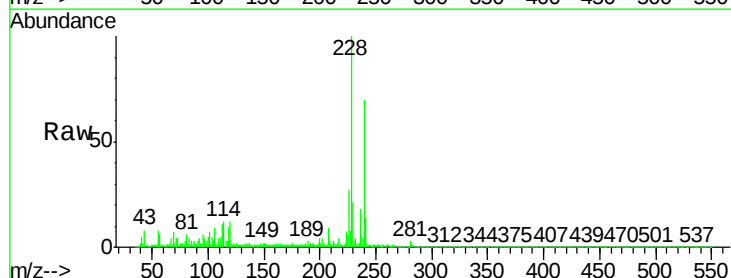
Tgt Ion:228 Resp: 183981

Ion Ratio Lower Upper

228 100

226 27.4 22.6 34.0

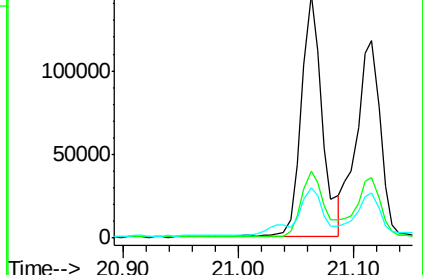
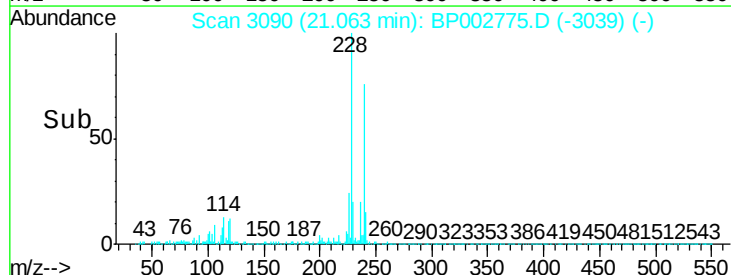
229 20.8 16.0 24.0

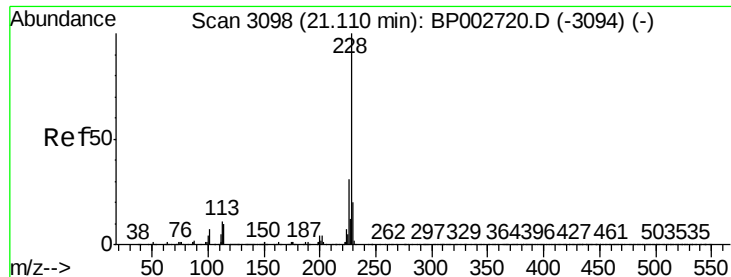


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

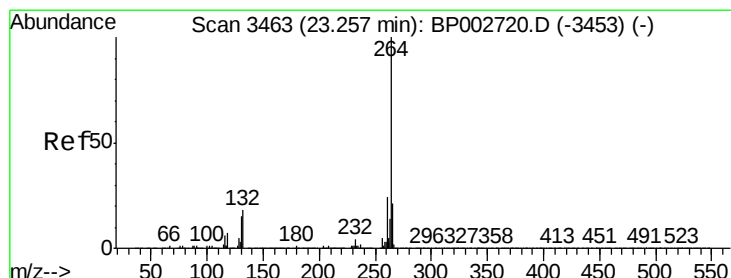
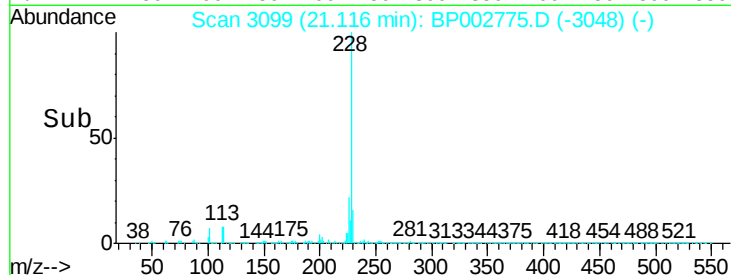
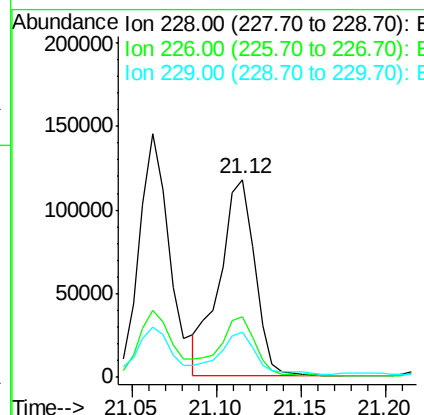
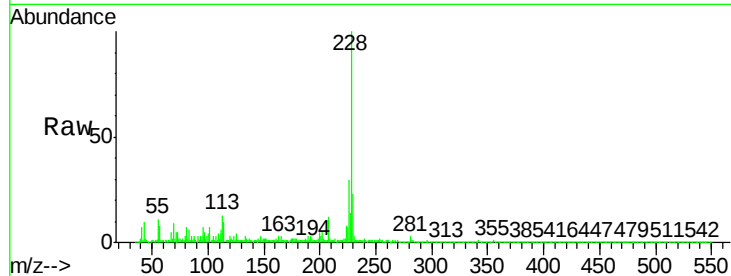




#83
Chrysene
Concen: 3.423 ng
RT: 21.12 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

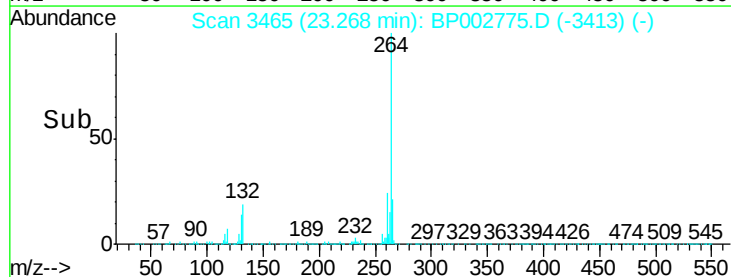
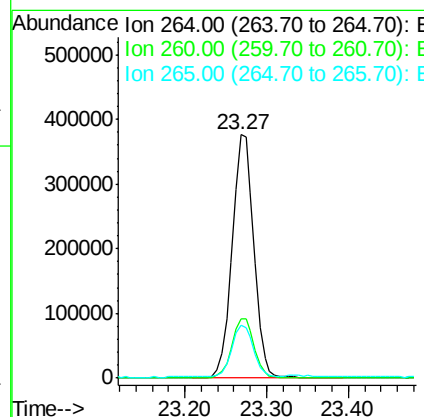
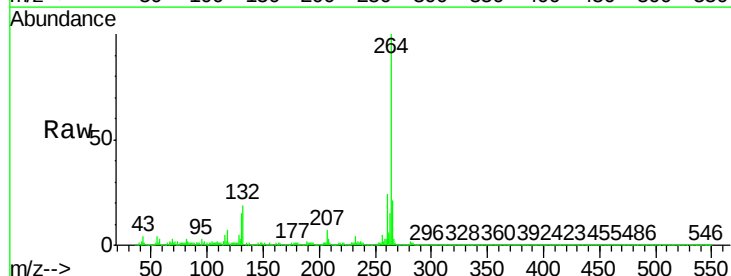
Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

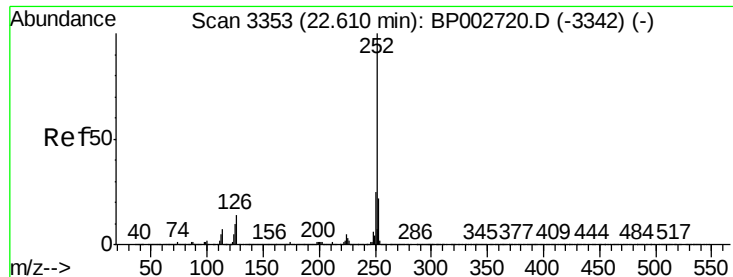
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	22.6	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BP002775.D
Acq: 16 Jul 2020 16:47

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





#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

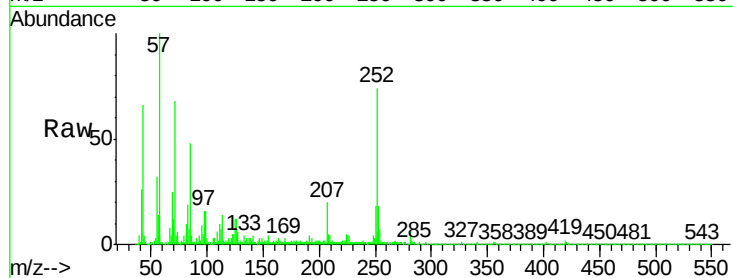
Tot Ion:252 Resp: 205298

Ion Ratio Lower Upper

252 100

253 24.8 17.7 26.5

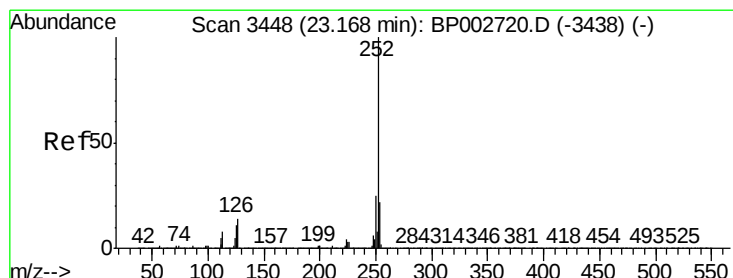
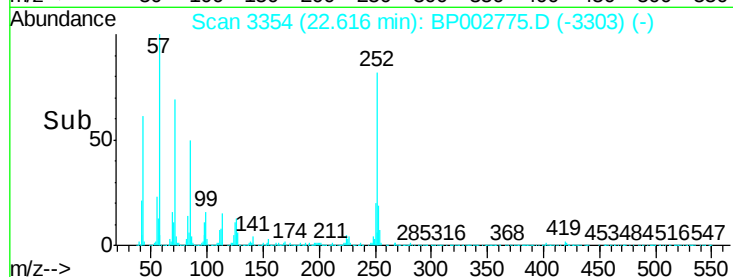
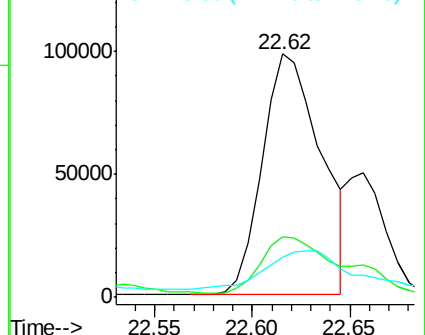
125 16.7 8.2 12.2#



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



#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

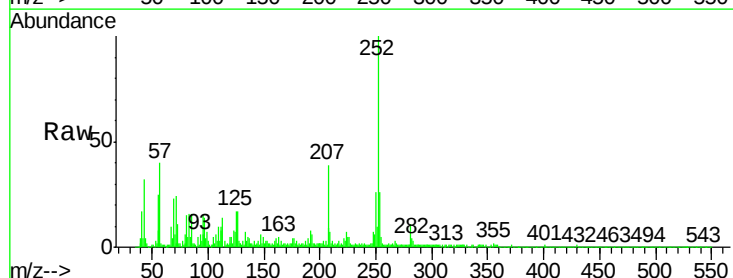
Tgt Ion:252 Resp: 137614

Ion Ratio Lower Upper

252 100

253 25.6 17.6 26.4

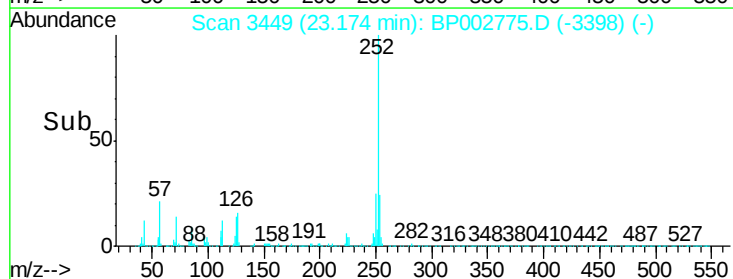
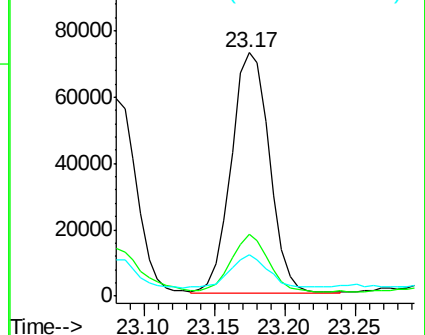
125 17.3 8.6 13.0#

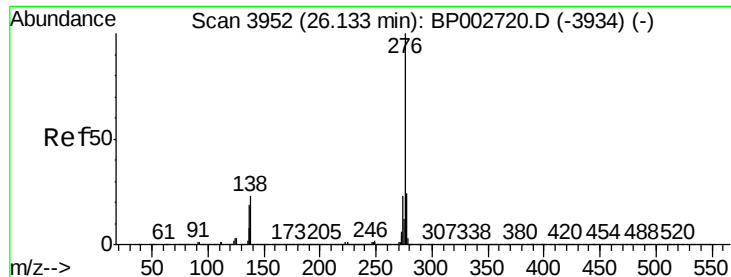


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,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

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

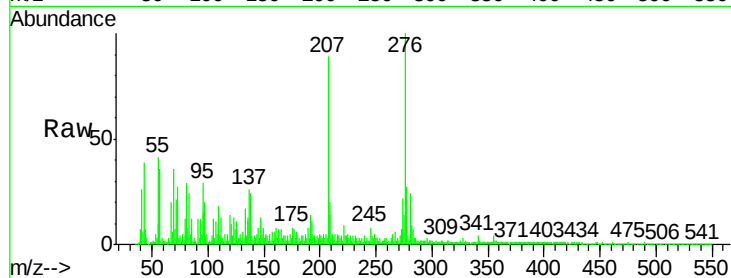
Tot Ion: 276 Resp: 100389

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

