

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002754.D
 Acq On : 15 Jul 2020 15:05
 Operator : CG/JU
 Sample : L3301-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CARLSTADT-SAMPLE-2020

Quant Time: Jul 15 16:47:28 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

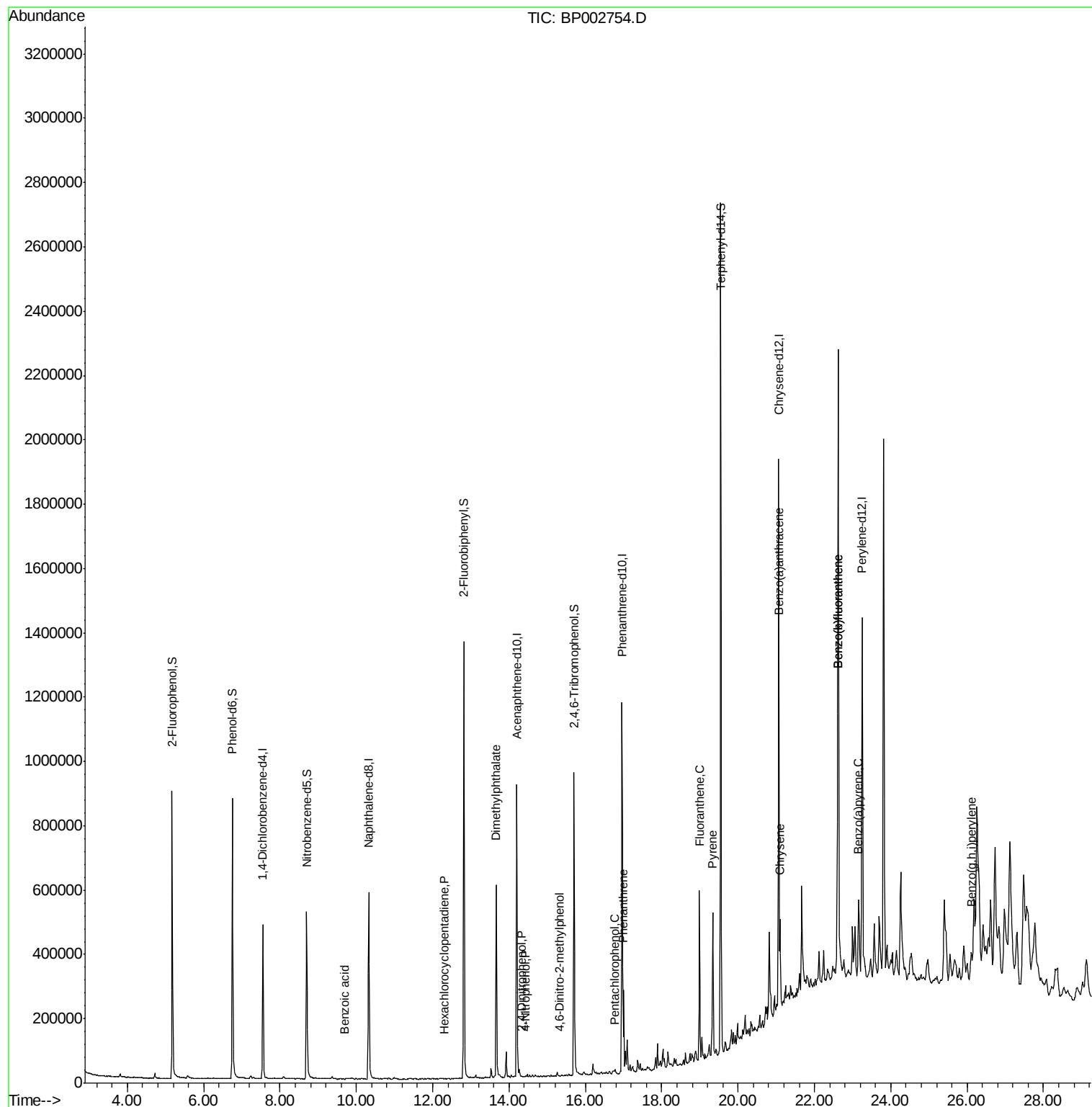
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	126402	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	507839	20.00	ng	0.00
39) Acenaphthene-d10	14.20	164	313035	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	709349	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	730766	20.00	ng	0.00
86) Perylene-d12	23.25	264	725351	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	411413	54.91	ng	0.00
7) Phenol-d6	6.75	99	564906	52.83	ng	0.00
23) Nitrobenzene-d5	8.70	82	339978	35.81	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	168655	51.61	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	734763	36.31	ng	0.00
79) Terphenyl-d14	19.55	244	1118841	35.10	ng	-0.01
Target Compounds						
32) Benzoic acid	9.70	122	5	7.063	ng	Qvalue # 1
41) Hexachlorocyclopentadiene	12.30	237	16	7.438	ng	94
50) Dimethylphthalate	13.66	163	411175	17.223	ng	98
54) 2,4-Dinitrophenol	14.33	184	32	11.384	ng	# 1
56) 4-Nitrophenol	14.43	139	146	5.002	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.33	198	13	5.269	ng	# 1
70) Pentachlorophenol	16.79	266	52	7.453	ng	89
71) Phenanthrene	17.00	178	152726	3.977	ng	98
75) Fluoranthene	18.99	202	293670	6.599	ng	98
78) Pyrene	19.34	202	267478	5.301	ng	99
81) Benzo(a)anthracene	21.05	228	153791	3.251	ng	98
83) Chrysene	21.10	228	147692	3.280	ng	97
88) Benzo(b)fluoranthene	22.60	252	274755	6.100	ng	# 94
89) Benzo(k)fluoranthene	22.60	252	274755	6.193	ng	# 94
90) Benzo(a)pyrene	23.16	252	136466	3.197	ng	# 97
92) Benzo(g,h,i)perylene	26.12	276	103476	2.414	ng	96

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

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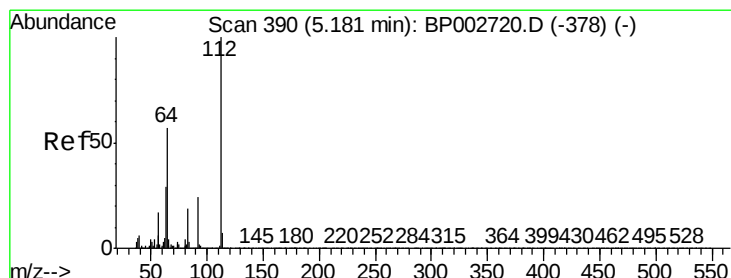
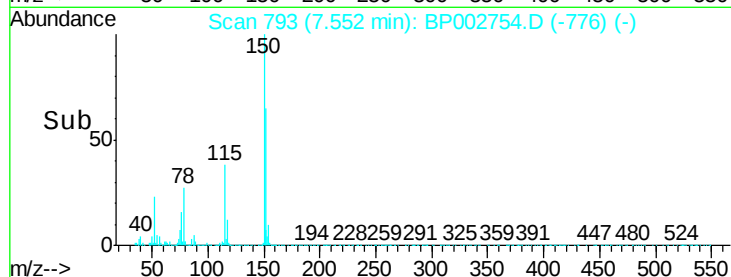
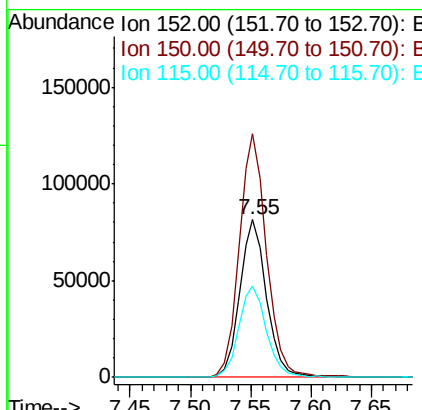
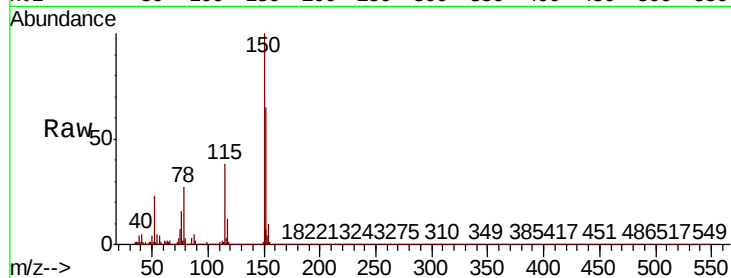


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

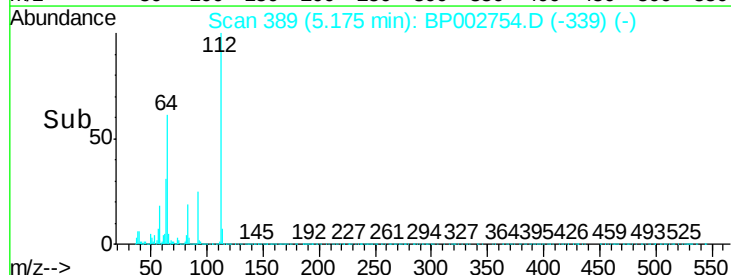
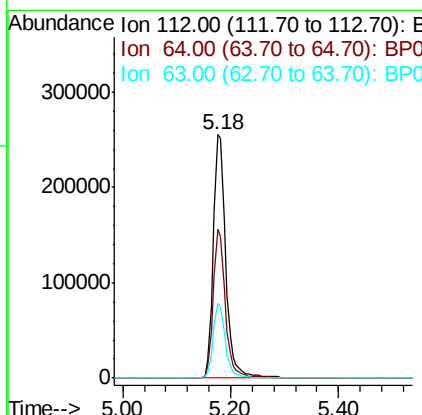
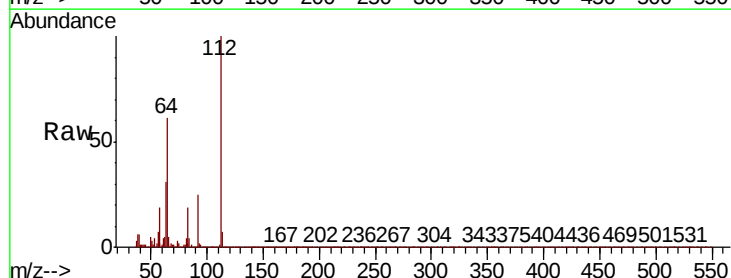
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.7	185.5
115	58.4	47.2	70.8

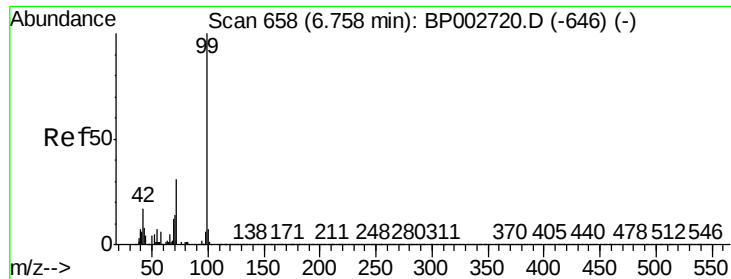


#5

2-Fluorophenol
Concen: 54.915 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.1	45.6	68.4
63	30.8	23.5	35.3





#7

Phenol-d6

Concen: 52.834 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

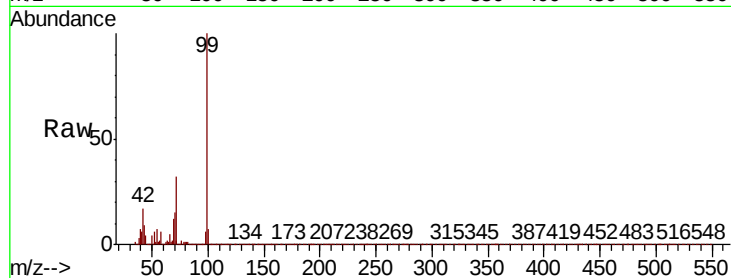
Tot Ion: 99 Resp: 564906

Ion Ratio Lower Upper

99 100

42 17.3 13.4 20.2

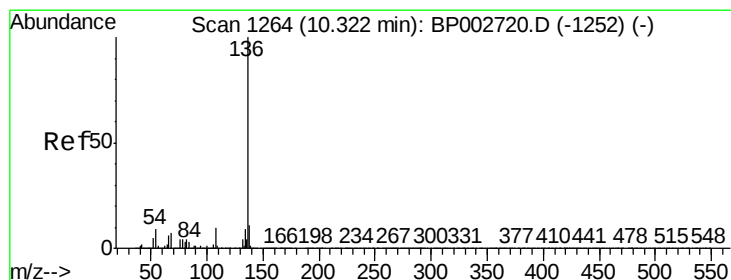
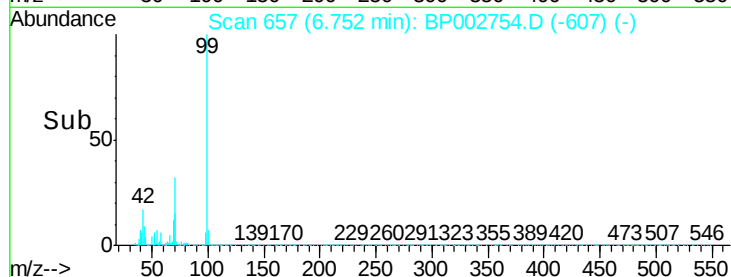
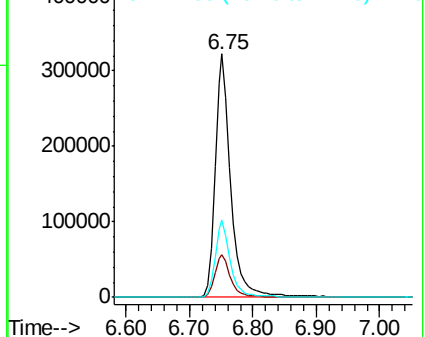
71 31.5 24.6 36.8



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.32 min Scan# 1264

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Tgt Ion: 136 Resp: 507839

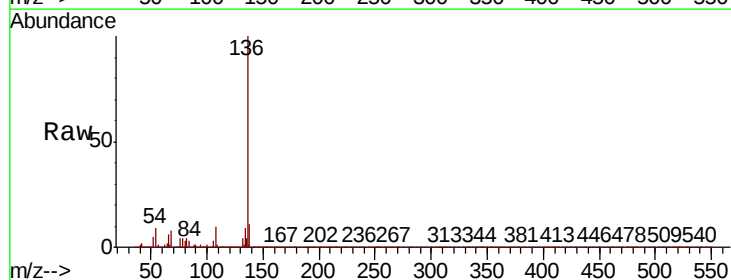
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.9 6.9 10.3

68 8.0 5.7 8.5

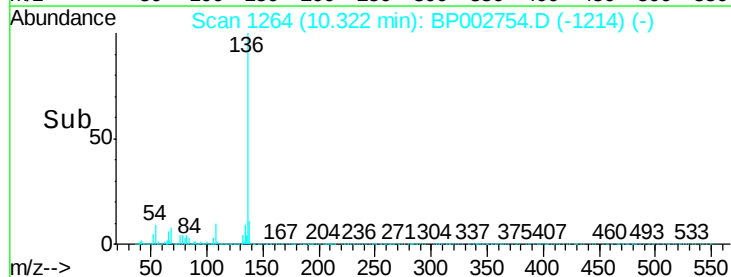
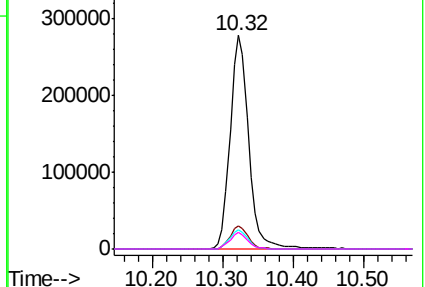


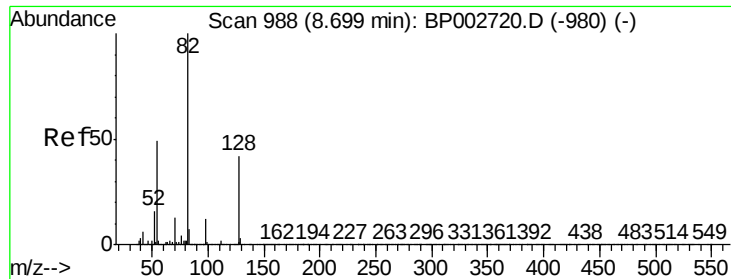
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

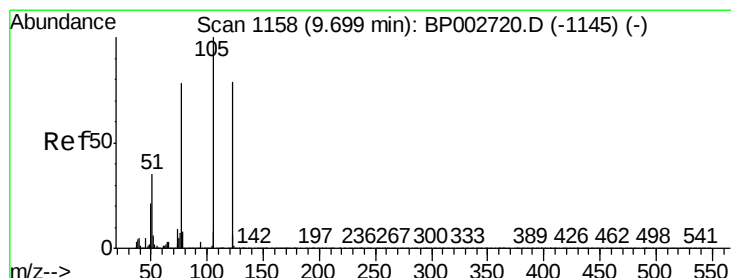
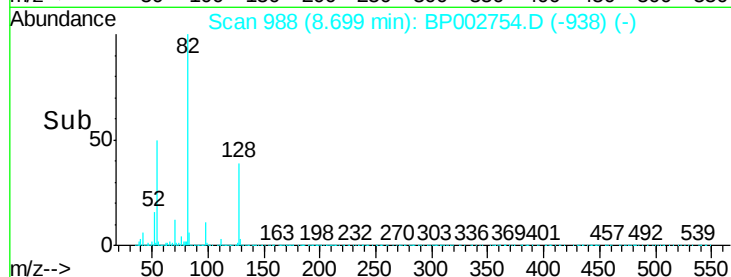
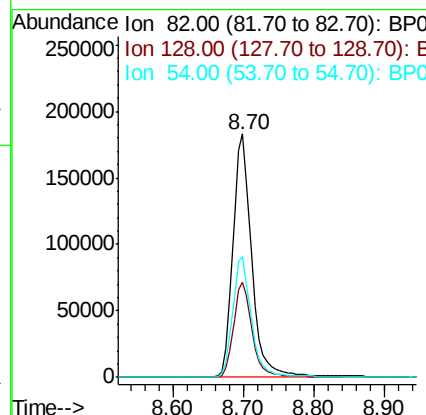
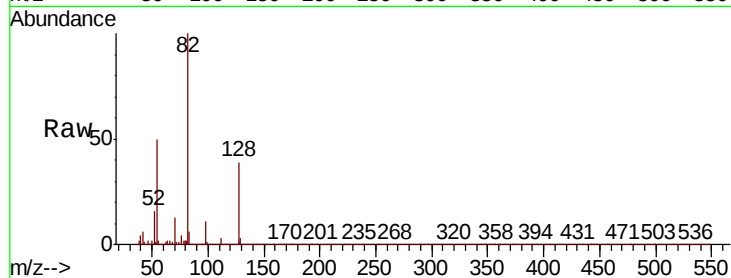




#23
Nitrobenzene-d5
Concen: 35.805 ng
RT: 8.70 min Scan# 988
Delta R.T. -0.01 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

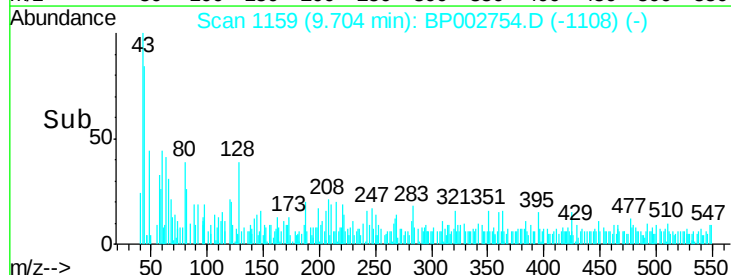
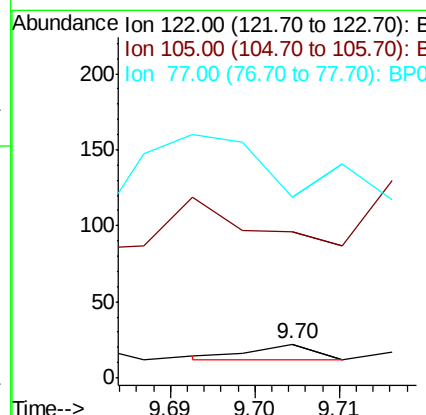
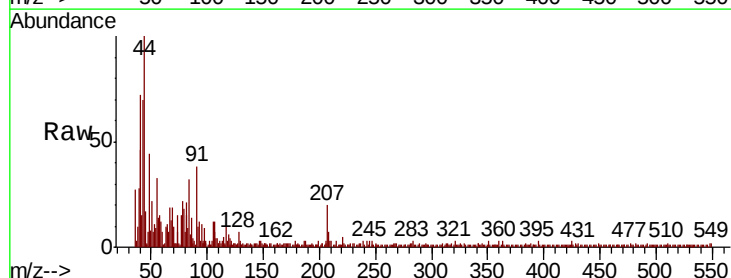
Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

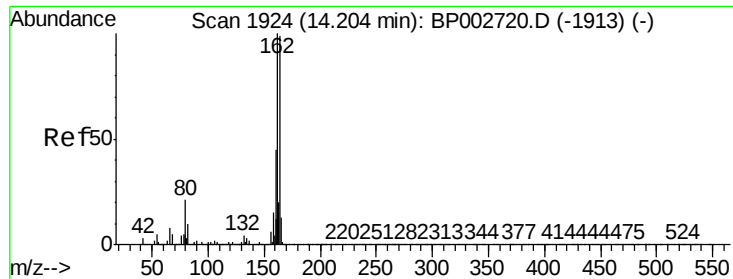
Tot Ion	82	Resp	339978
Ion Ratio	Lower	Upper	
82	100		
128	39.0	33.8	50.8
54	49.5	38.8	58.2



#32
Benzoic acid
Concen: 7.063 ng
RT: 9.70 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Tgt Ion	122	Resp	5
Ion Ratio	Lower	Upper	
122	100		
105	436.4	105.4	145.4#
77	540.9	78.5	118.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.20 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

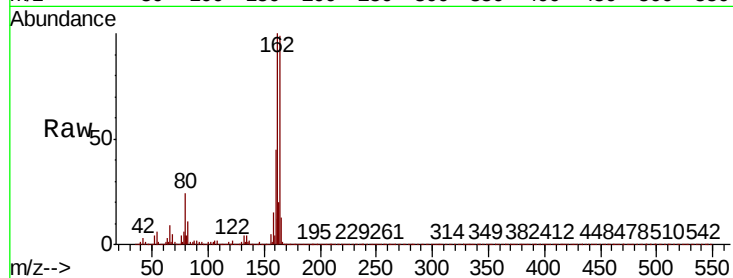
Tot Ion:164 Resp: 313035

Ion Ratio Lower Upper

164 100

162 100.8 80.6 121.0

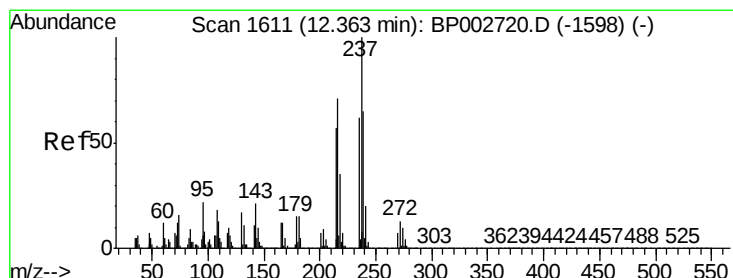
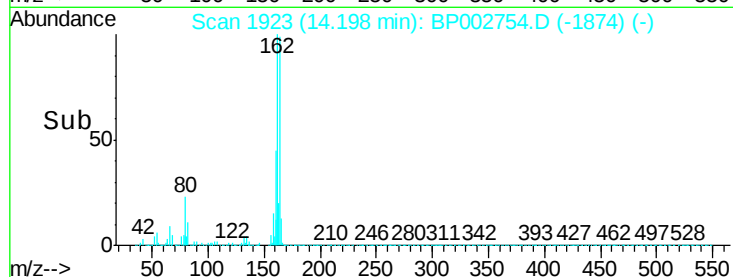
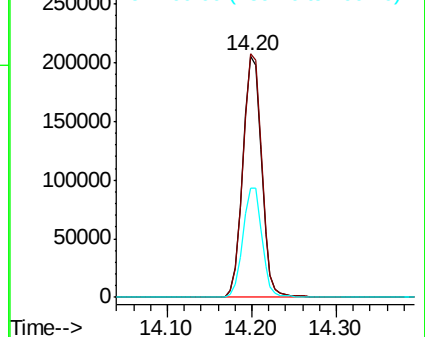
160 45.2 36.4 54.6



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# 1601

Delta R.T. -0.06 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

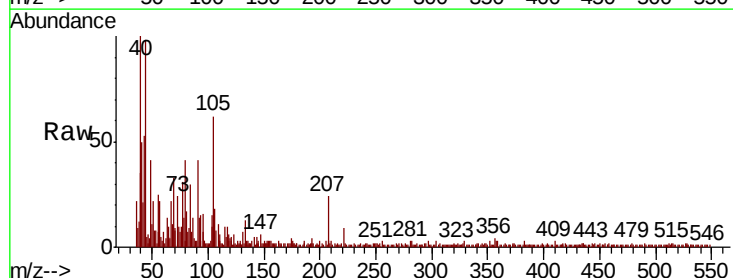
Tgt Ion:237 Resp: 16

Ion Ratio Lower Upper

237 100

235 62.5 42.3 82.3

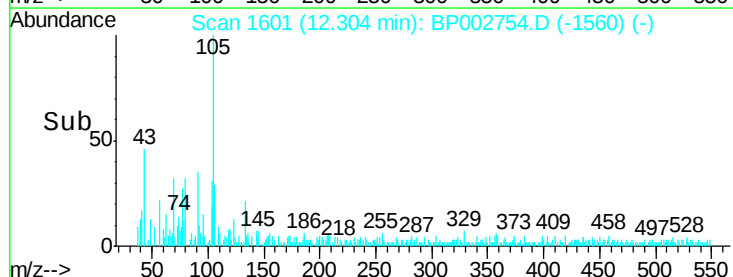
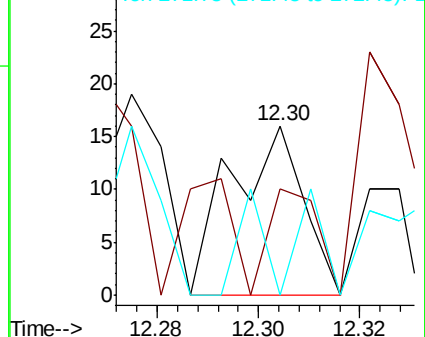
272 0.0 0.0 32.5

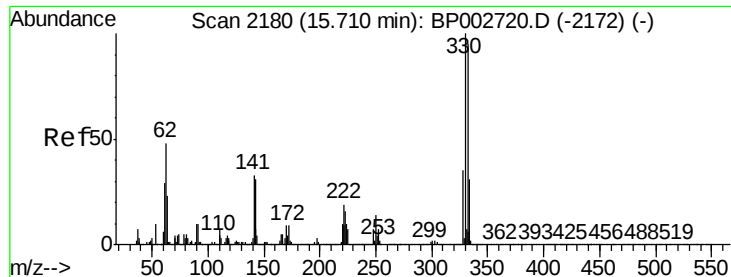


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

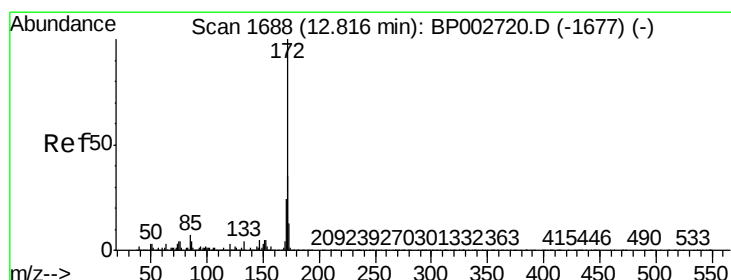
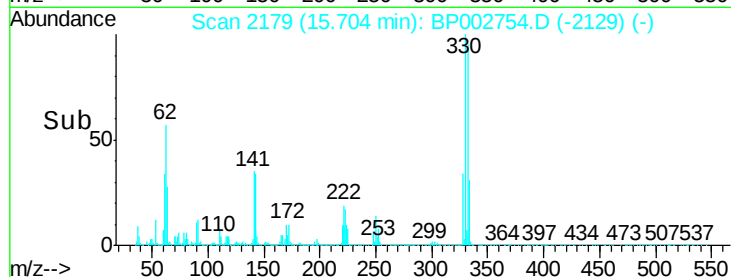
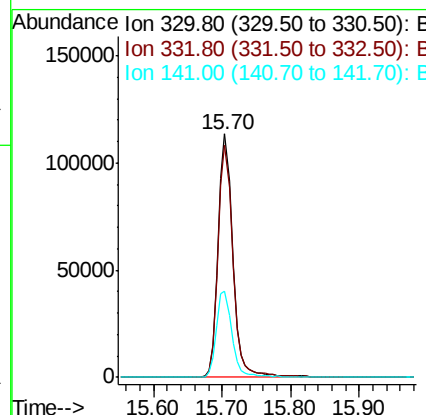
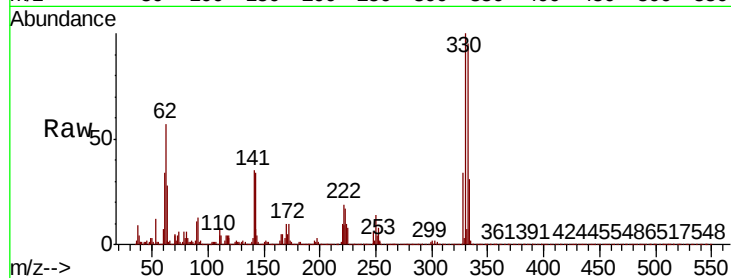




#42
2,4,6-Tribromophenol
Concen: 51.615 ng
RT: 15.70 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

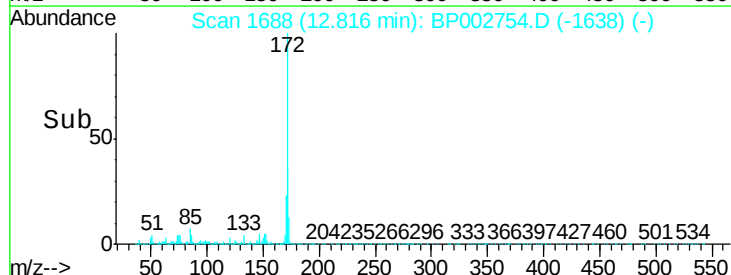
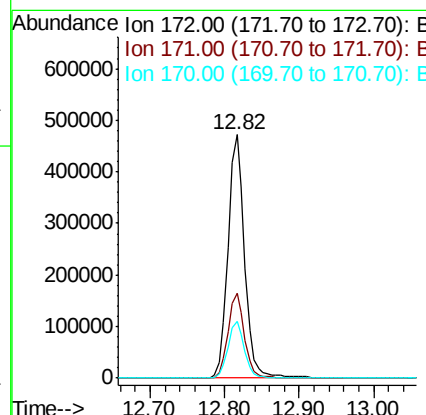
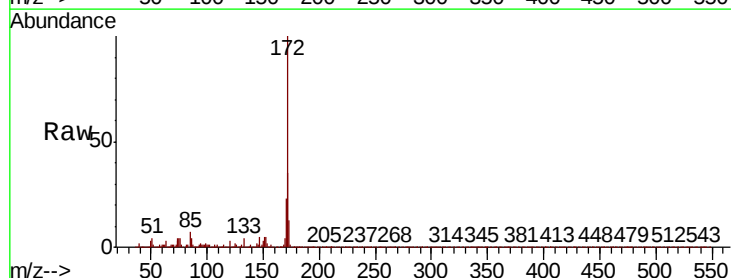
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BNA_P
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CARLSTADT-SAMPLE-2020

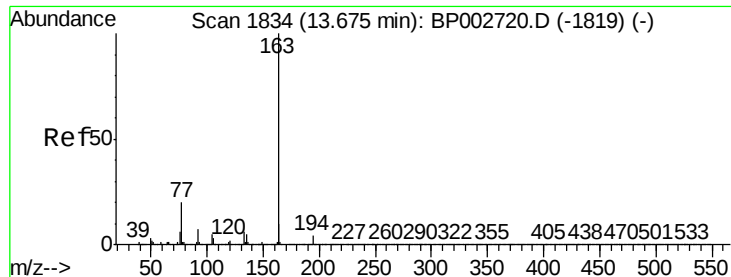
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.5	114.7
141	37.6	28.8	43.2



#45
2-Fluorobiphenyl
Concen: 36.311 ng
RT: 12.82 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.1	42.1
170	23.3	19.3	28.9





#50

Dimethylphthalate

Concen: 17.223 ng

RT: 13.66 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

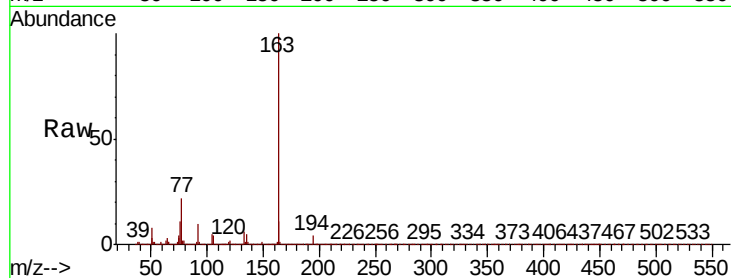
Tot Ion:163 Resp: 411175

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

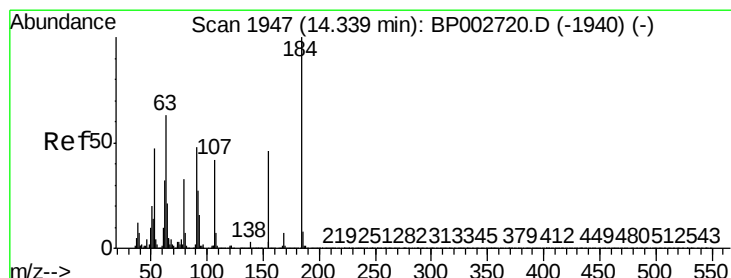
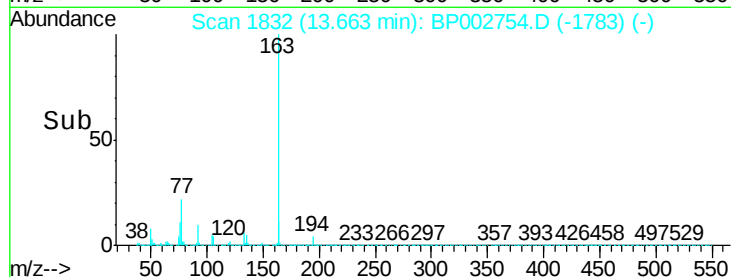
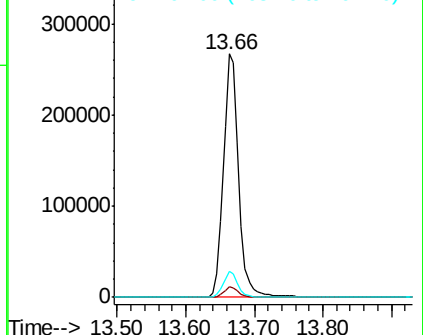
164 10.8 7.8 11.8



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: 11.384 ng

RT: 14.33 min Scan# 1945

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

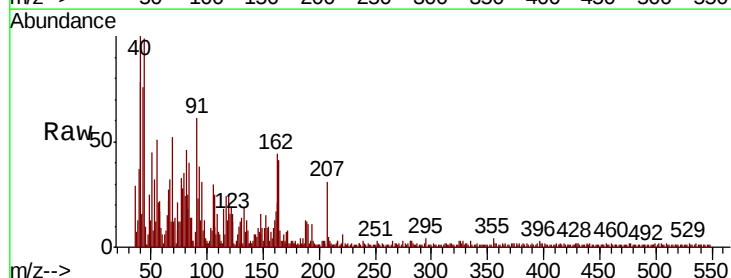
Tgt Ion:184 Resp: 32

Ion Ratio Lower Upper

184 100

63 250.0 51.6 77.4#

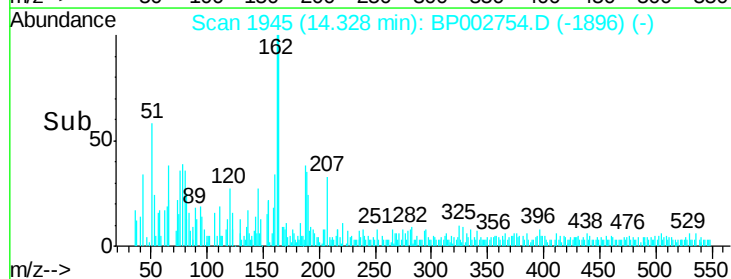
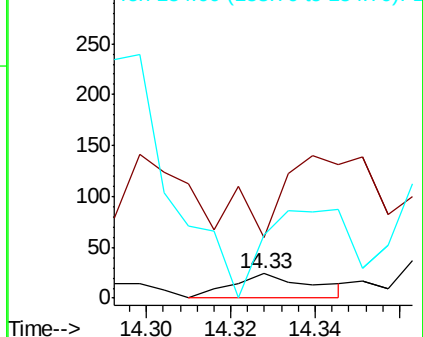
154 258.3 45.0 67.6#

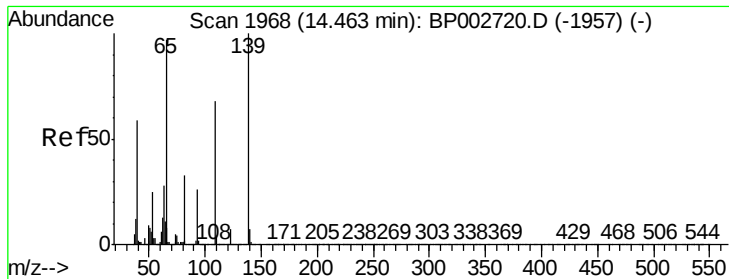


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

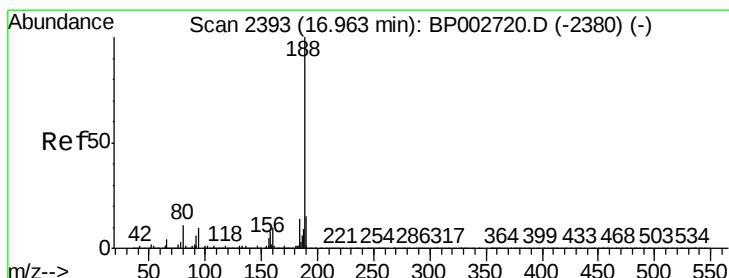
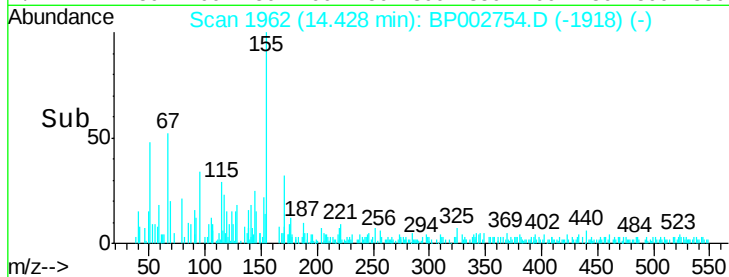
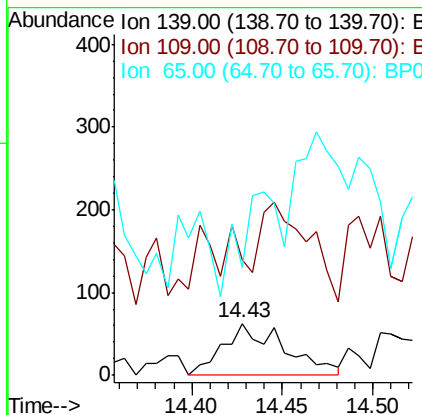
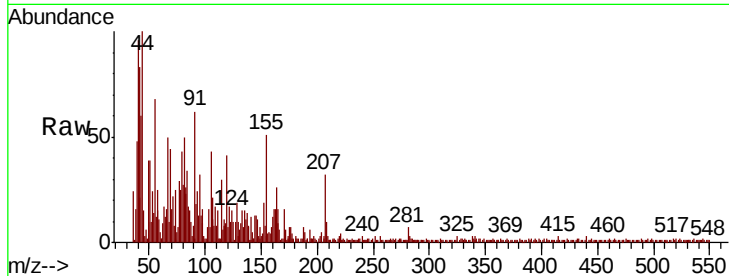




#56
4-Nitrophenol
Concen: 5.002 ng
RT: 14.43 min Scan# 1962
Delta R.T. -0.04 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

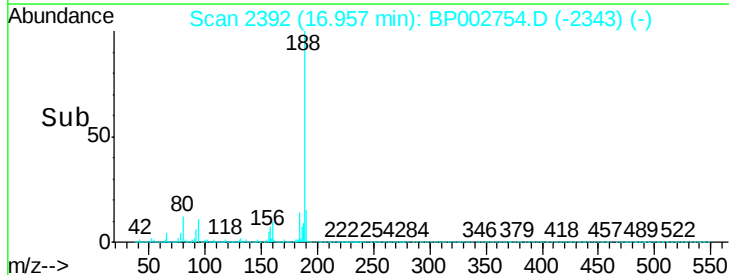
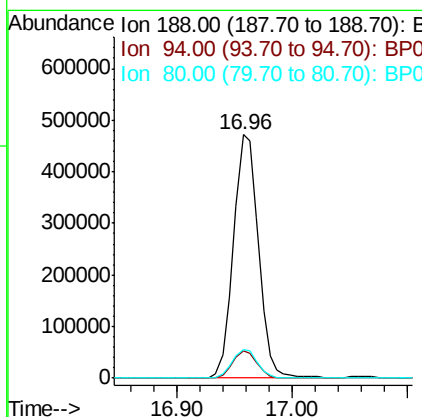
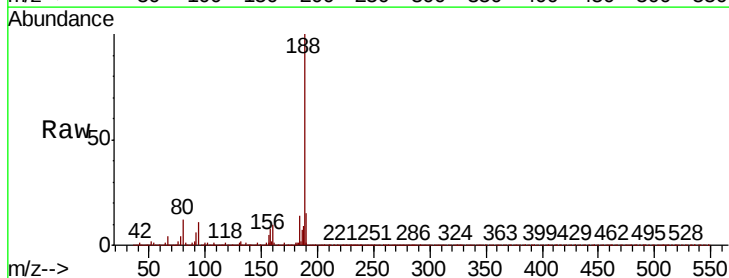
Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

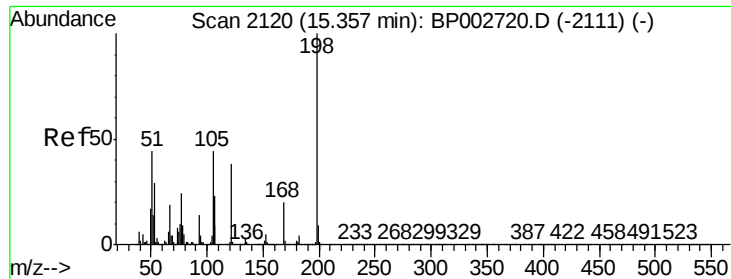
Tot Ion:139 Resp: 146
Ion Ratio Lower Upper
139 100
109 194.4 48.1 88.1#
65 180.6 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Tgt Ion:188 Resp: 709349
Ion Ratio Lower Upper
188 100
94 11.1 8.1 12.1
80 12.0 8.9 13.3

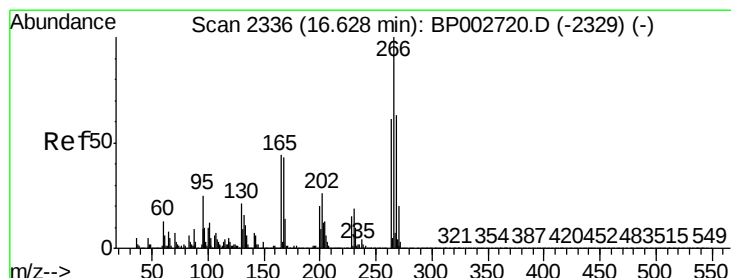
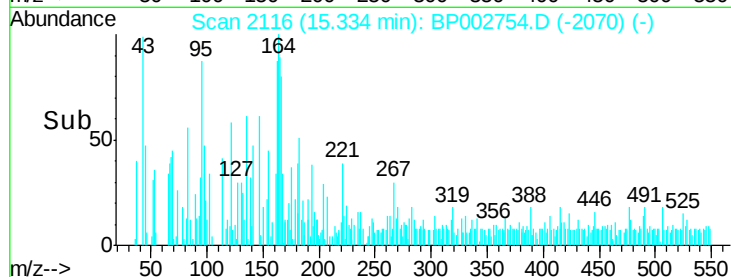
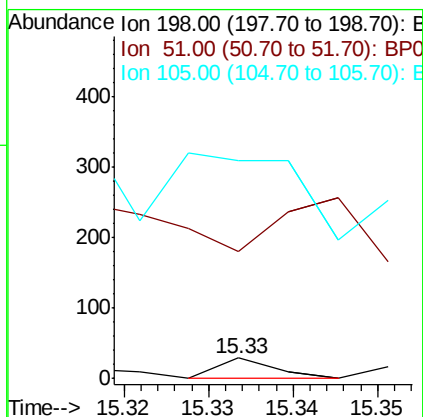
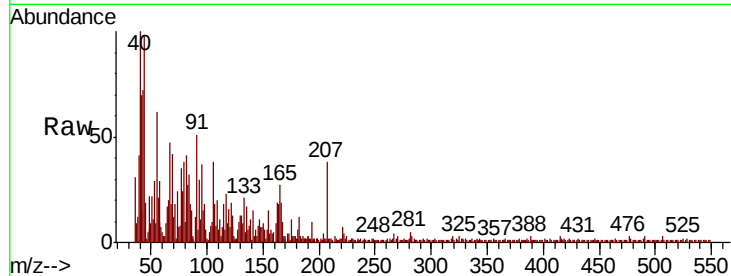




#65
4,6-Dinitro-2-methylphenol
Concen: 5.269 ng
RT: 15.33 min Scan# 2116
Delta R.T. -0.03 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

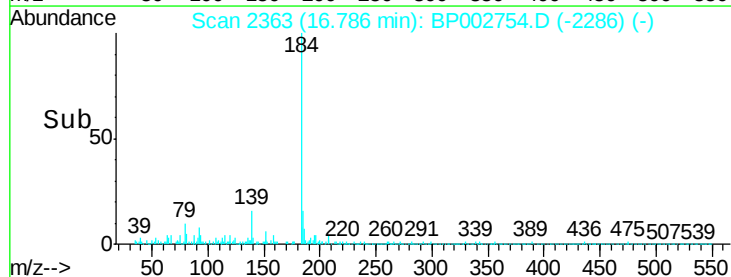
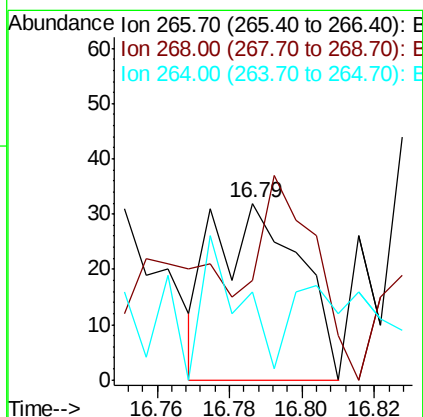
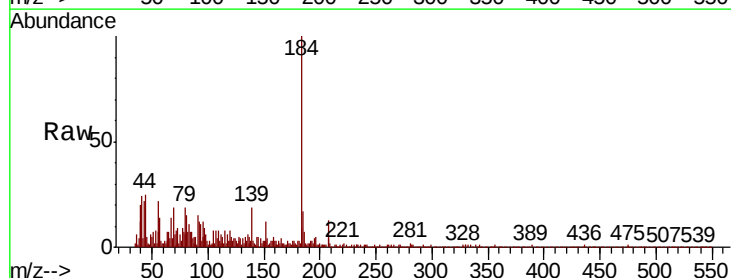
Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

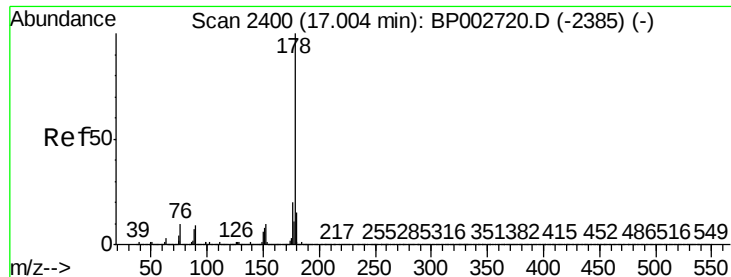
Tot Ion:198 Resp: 13
Ion Ratio Lower Upper
198 100
51 639.3 27.1 67.1#
105 1107.1 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.453 ng
RT: 16.79 min Scan# 2363
Delta R.T. 0.15 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Tgt Ion:266 Resp: 52
Ion Ratio Lower Upper
266 100
268 56.3 50.6 75.8
264 50.0 48.6 72.8





#71

Phenanthrene

Concen: 3.977 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

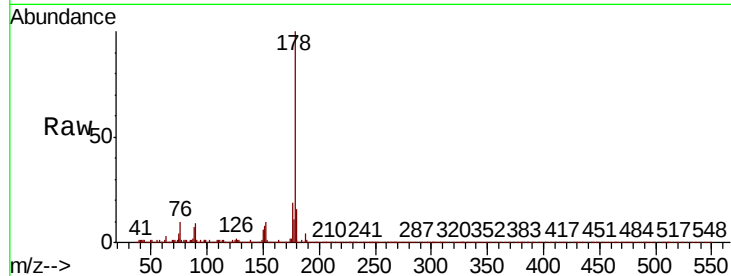
Tot Ion:178 Resp: 152726

Ion Ratio Lower Upper

178 100

176 18.6 15.9 23.9

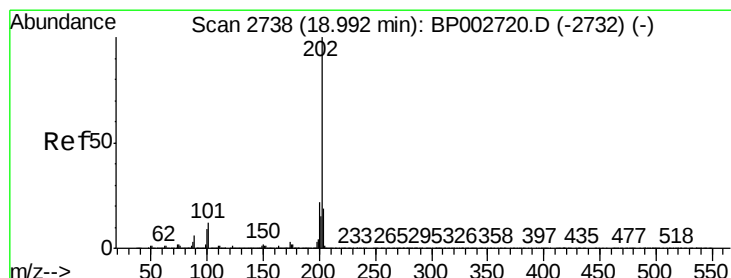
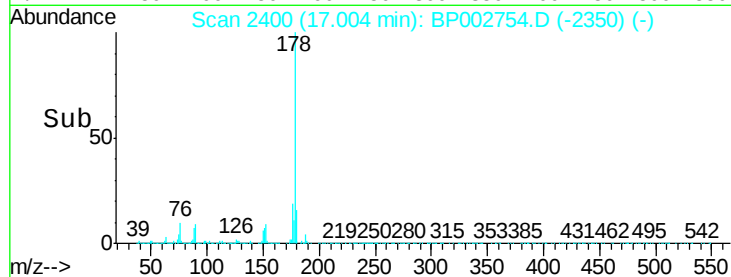
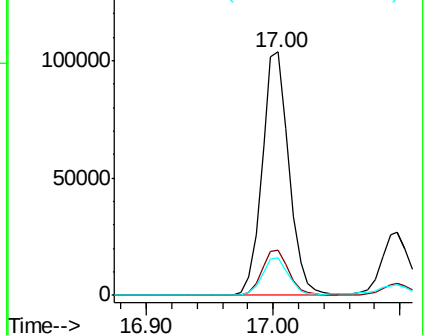
179 15.7 12.3 18.5



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: 6.599 ng

RT: 18.99 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

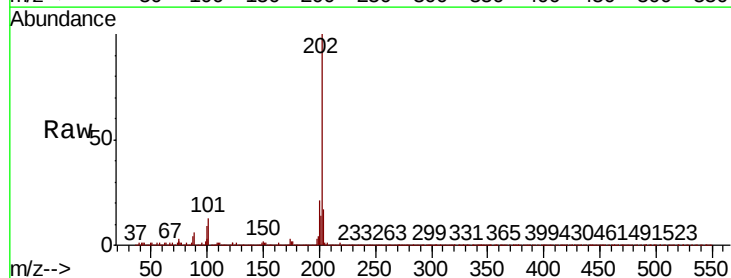
Tgt Ion:202 Resp: 293670

Ion Ratio Lower Upper

202 100

101 13.1 0.0 32.5

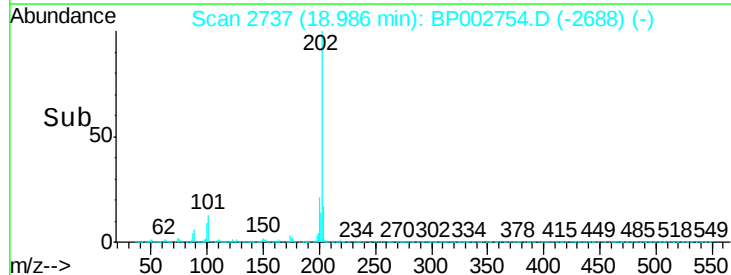
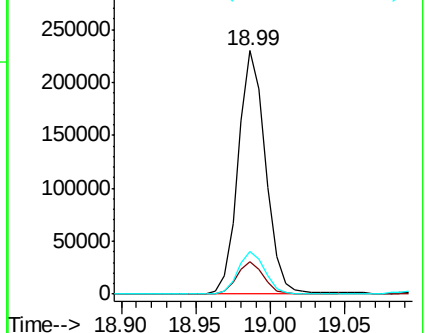
203 17.5 0.0 38.6

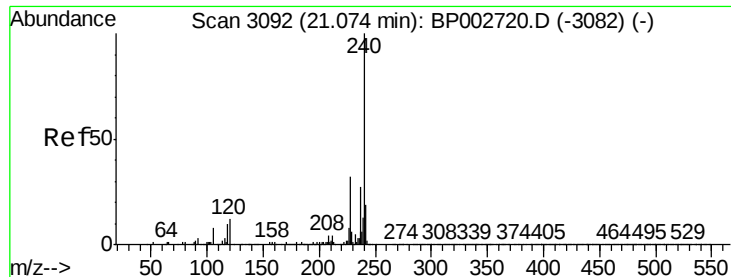


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

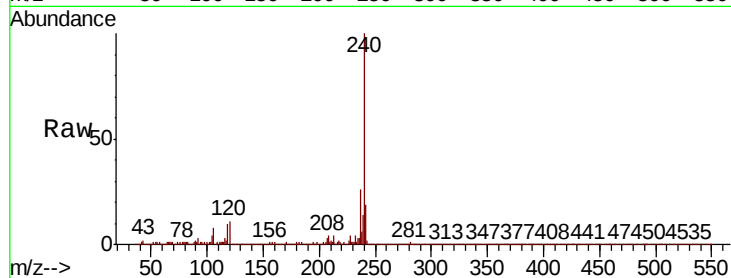




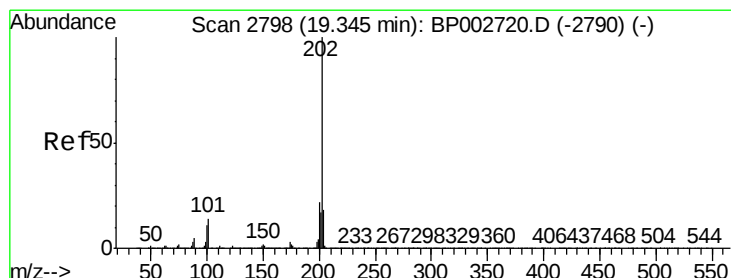
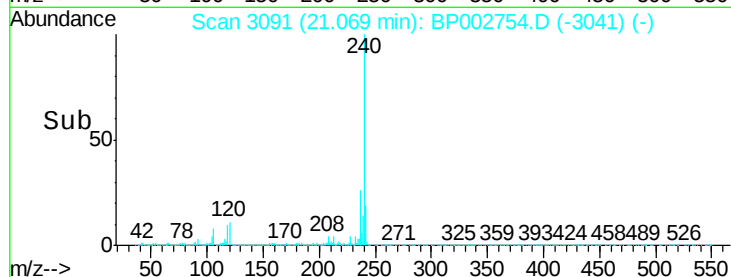
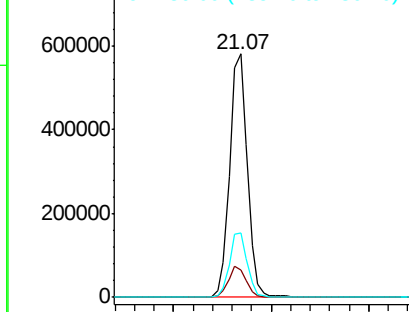
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Instrument :
BNA_P
ClientSampleId :
CARLSTADT-SAMPLE-2020

Tot Ion:240 Resp: 730766
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.3 21.3 31.9

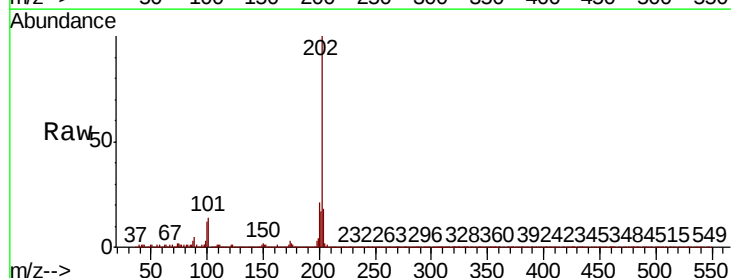


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

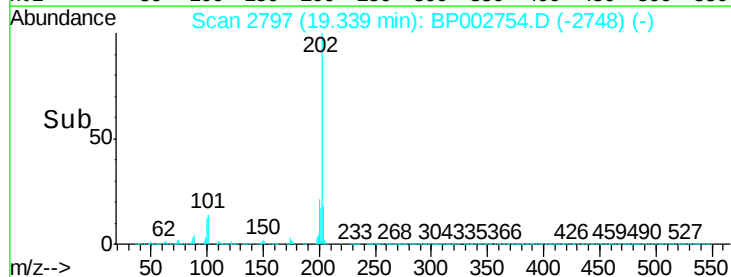
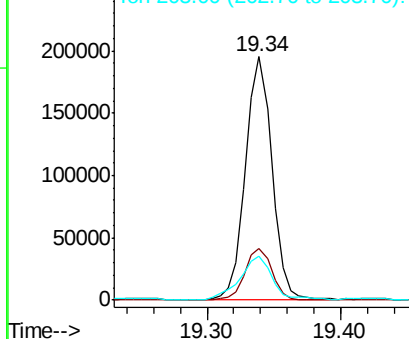


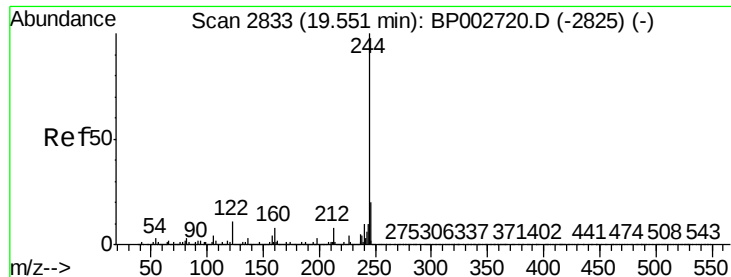
#78
Pyrene
Concen: 5.301 ng
RT: 19.34 min Scan# 2797
Delta R.T. -0.01 min
Lab File: BP002754.D
Acq: 15 Jul 2020 15:05

Tgt Ion:202 Resp: 267478
Ion Ratio Lower Upper
202 100
200 21.0 17.7 26.5
203 18.2 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: 35.103 ng

RT: 19.55 min Scan# 2832

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

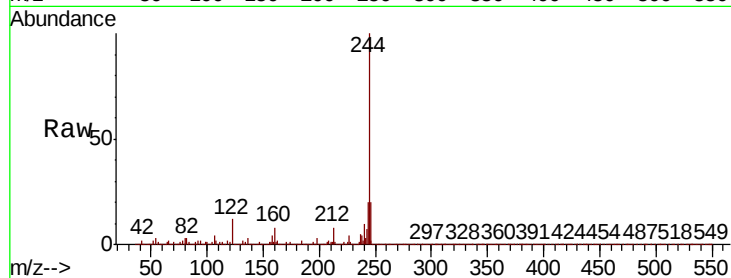
Tot Ion:244 Resp: 1118841

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

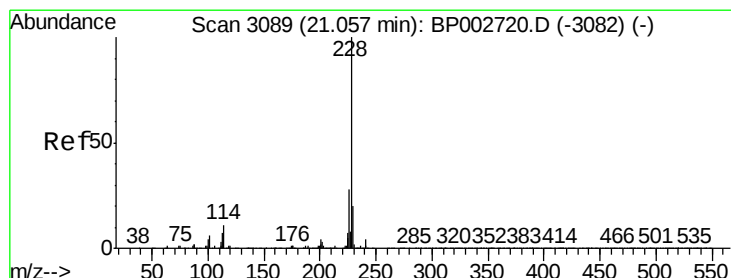
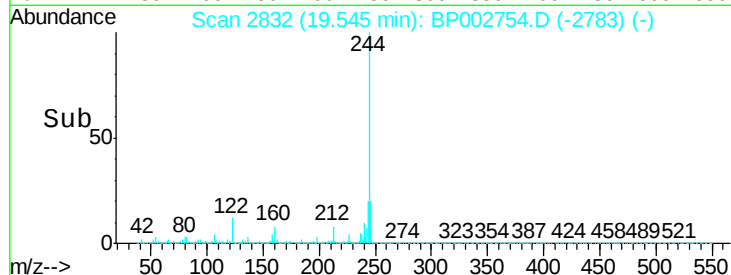
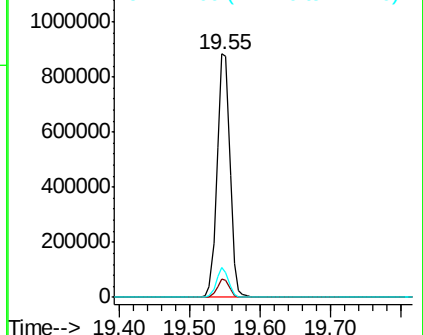
122 12.5 8.9 13.3



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: 3.251 ng

RT: 21.05 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

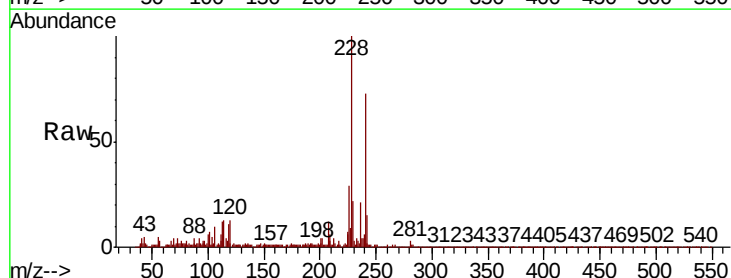
Tgt Ion:228 Resp: 153791

Ion Ratio Lower Upper

228 100

226 28.9 22.6 34.0

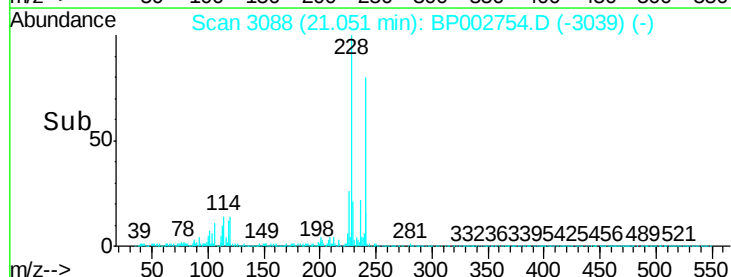
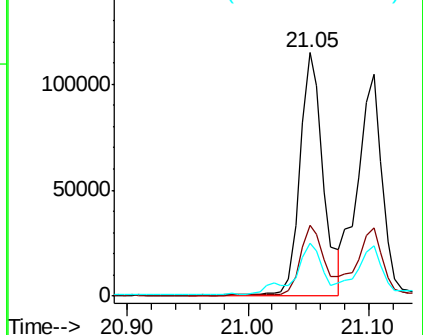
229 21.7 16.0 24.0

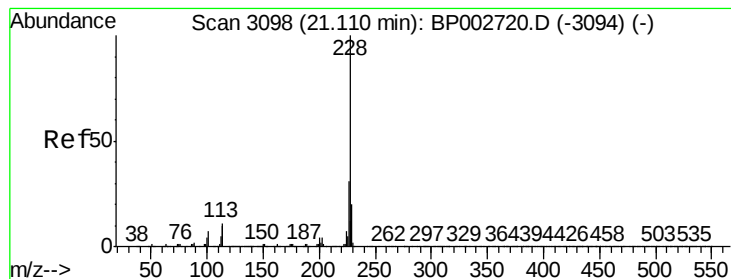


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.280 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

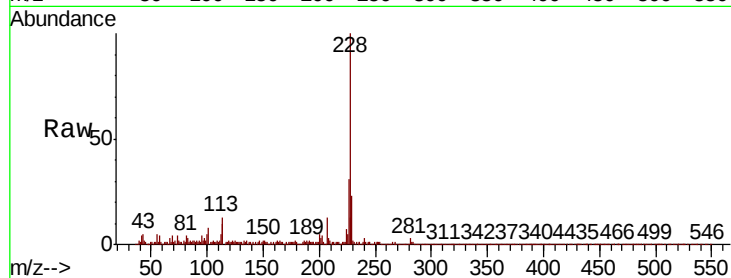
Tot Ion:228 Resp: 147692

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.6	37.0
229	22.6	15.7	23.5

228 100

226 30.9 24.6 37.0

229 22.6 15.7 23.5

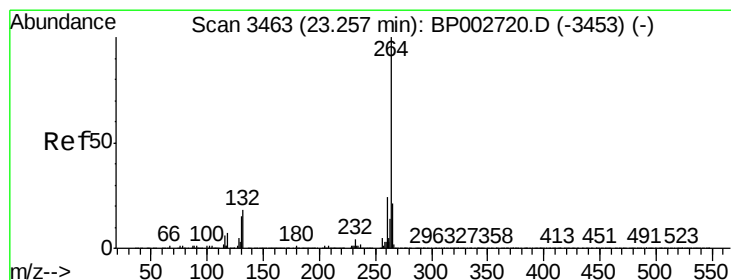
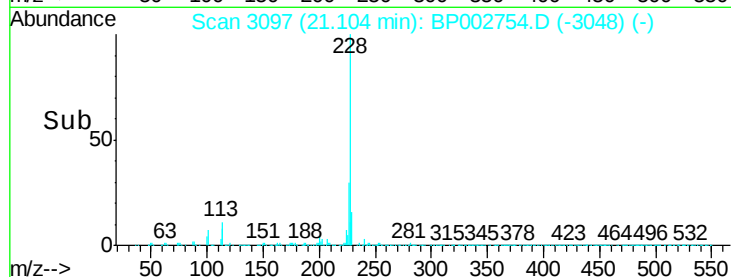
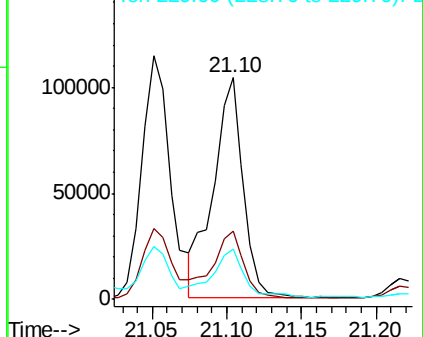


Abundance

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: 23.25 min Scan# 3462

Delta R.T. -0.01 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

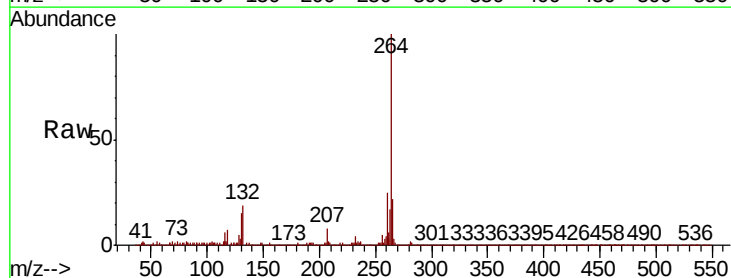
Tgt Ion:264 Resp: 725351

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.3	28.9
265	22.4	16.8	25.2

264 100

260 25.2 19.3 28.9

265 22.4 16.8 25.2

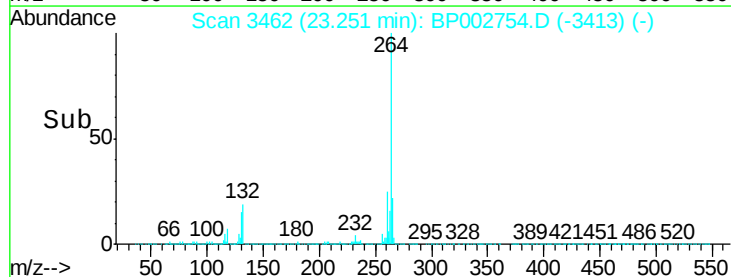
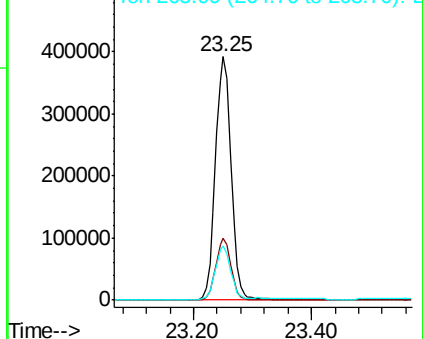


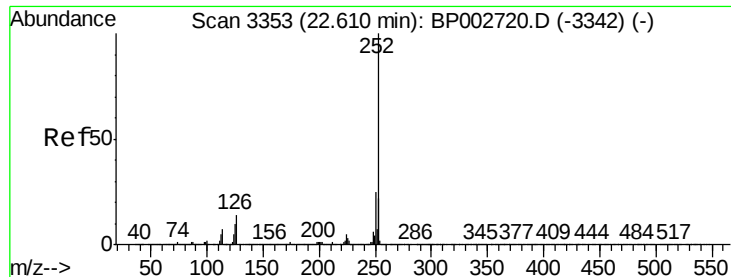
Abundance

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: 6.100 ng

RT: 22.60 min Scan# 3351

Delta R.T. -0.02 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

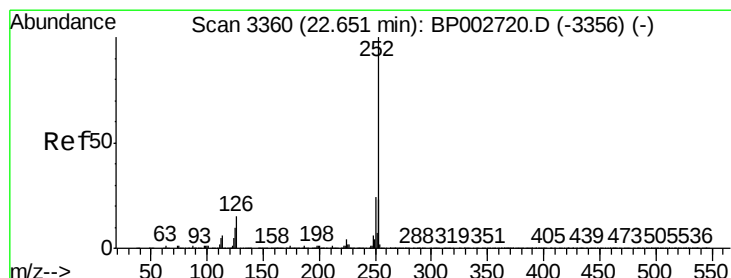
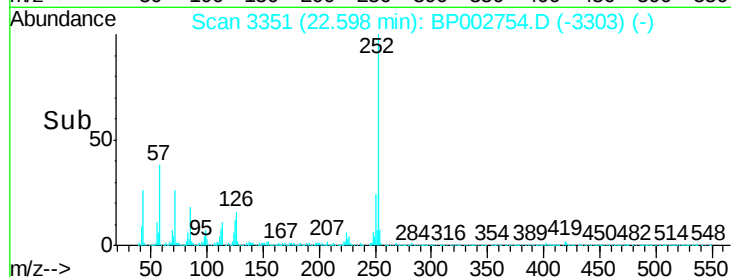
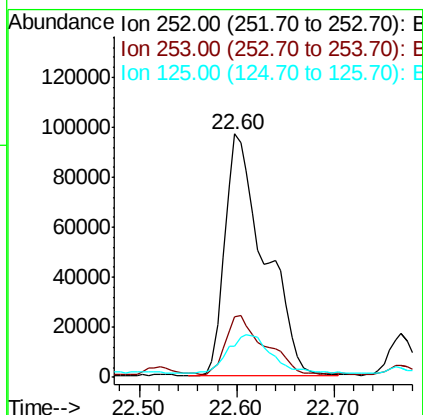
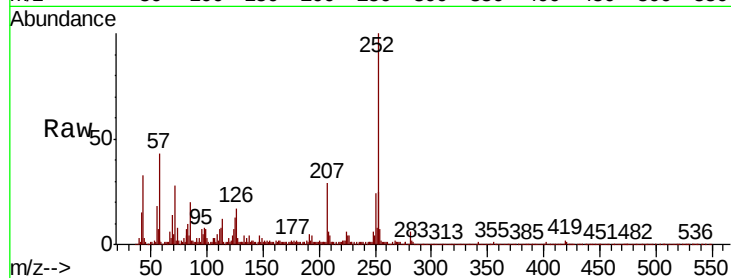
Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

Tot Ion:252	Resp:	274755
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.7 26.5
125	12.9	8.2 12.2#



#89

Benzo(k)fluoranthene

Concen: 6.193 ng

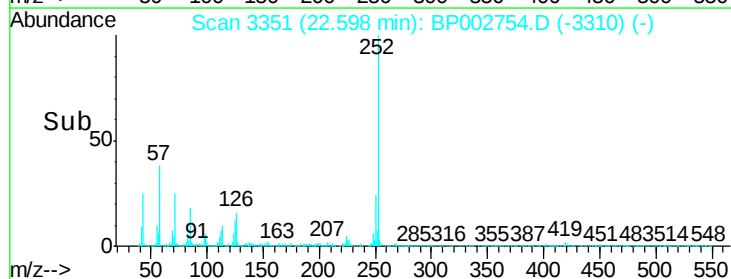
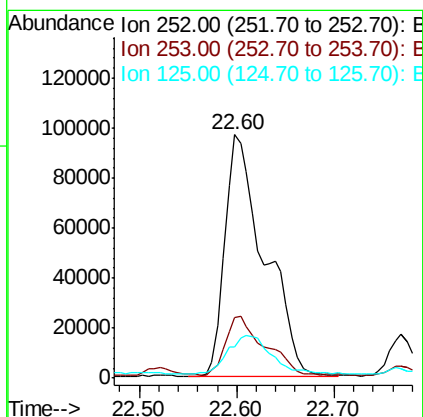
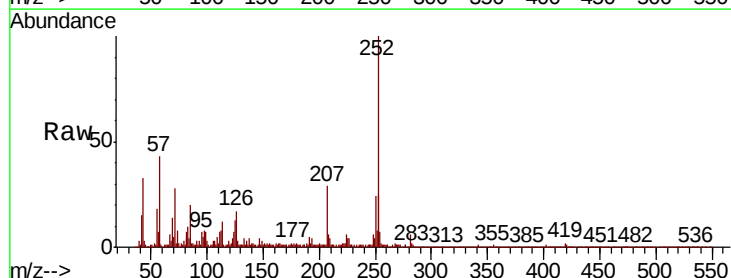
RT: 22.60 min Scan# 3351

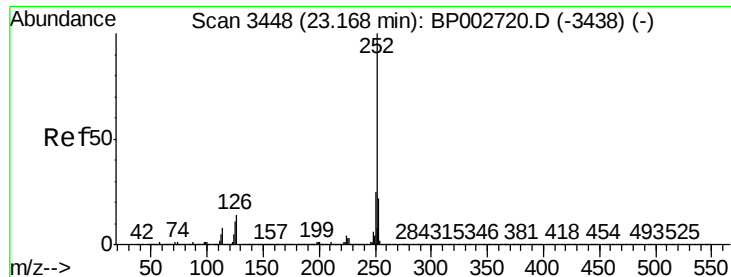
Delta R.T. -0.06 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Tgt Ion:252	Resp:	274755
Ion Ratio	Lower	Upper
252	100	
253	25.0	17.8 26.8
125	12.9	8.3 12.5#





#90

Benzo(a)pyrene

Concen: 3.197 ng

RT: 23.16 min Scan# 3446

Delta R.T. -0.02 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

Instrument :

BNA_P

ClientSampleId :

CARLSTADT-SAMPLE-2020

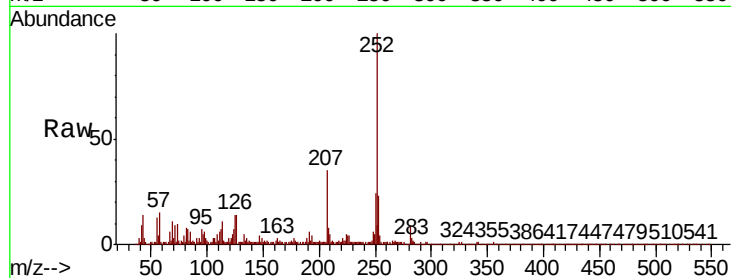
Tot Ion:252 Resp: 136466

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

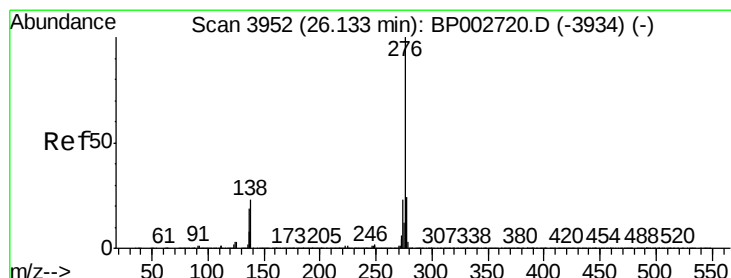
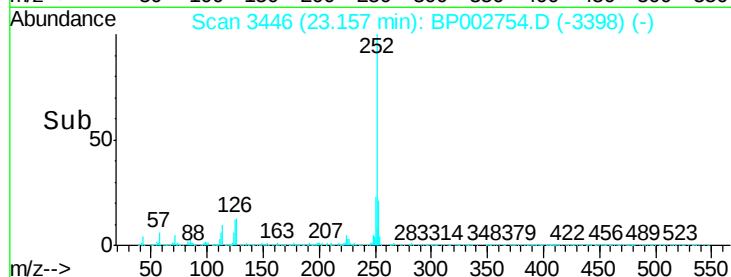
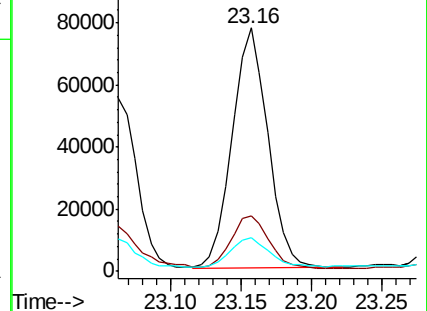
125 13.6 8.6 13.0#



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: 2.414 ng

RT: 26.12 min Scan# 3950

Delta R.T. -0.02 min

Lab File: BP002754.D

Acq: 15 Jul 2020 15:05

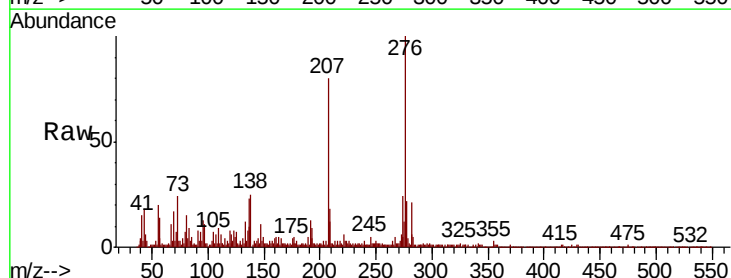
Tgt Ion:276 Resp: 103476

Ion Ratio Lower Upper

276 100

277 21.8 19.1 28.7

138 24.9 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

