

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002834.D
 Acq On : 22 Jul 2020 20:23
 Operator : CG/JU
 Sample : L3360-01RX
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 23 01:22:16 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	176449	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	693093	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	383786	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	700600	20.00	ng	0.00
76) Chrysene-d12	21.07	240	529894	20.00	ng	0.00
86) Perylene-d12	23.26	264	530414	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	265561	25.39	ng	0.00
7) Phenol-d6	6.76	99	792280	53.08	ng	0.00
23) Nitrobenzene-d5	8.69	82	673077	51.94	ng	-0.01
42) 2,4,6-Tribromophenol	15.71	330	66092	16.50	ng	0.00
45) 2-Fluorobiphenyl	12.82	172	1362503	54.92	ng	0.00
79) Terphenyl-d14	19.55	244	1257292	54.40	ng	0.00

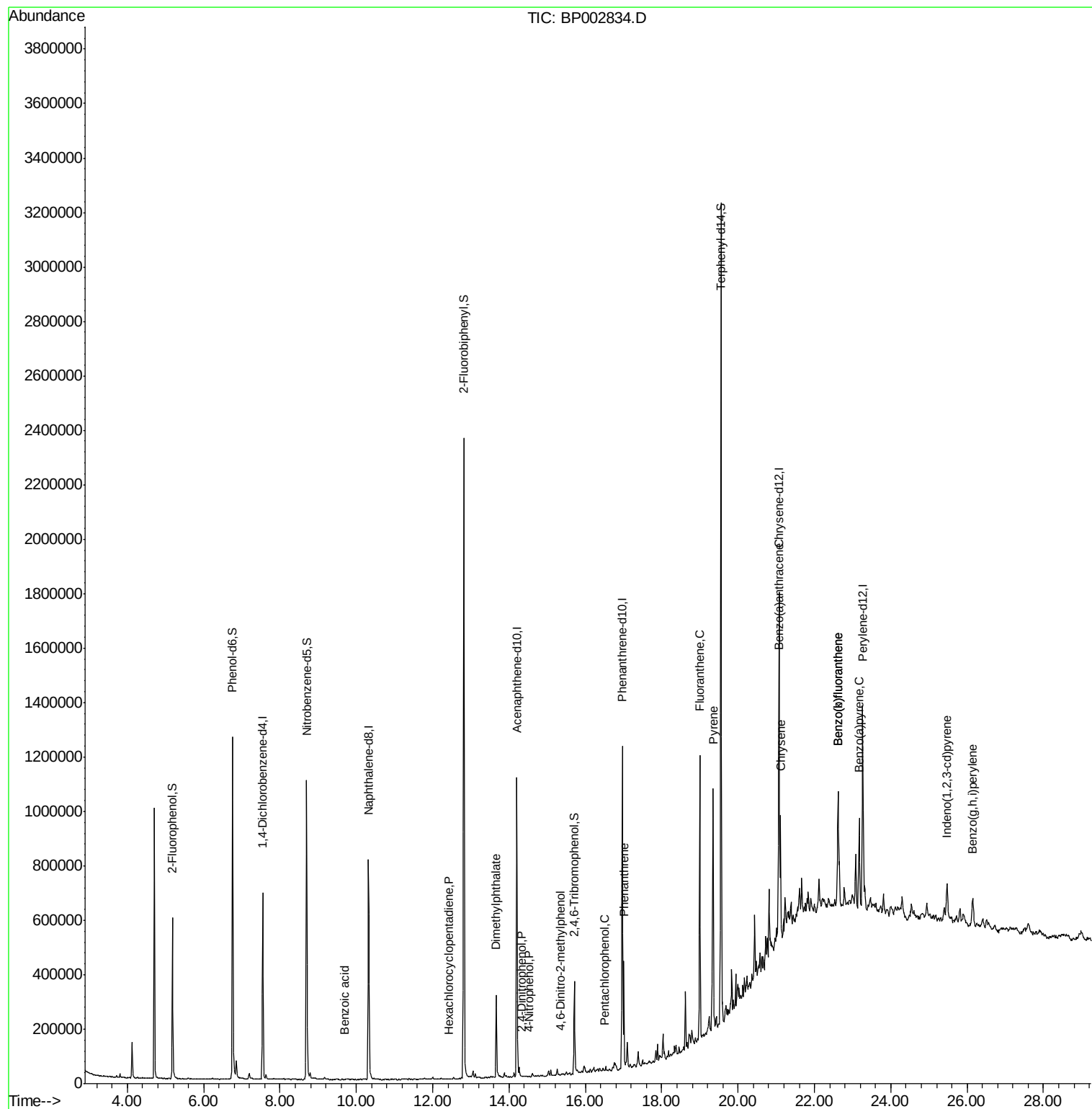
Target Compounds				Qvalue		
32) Benzoic acid	9.69	122	42	7.067	ng	# 1
41) Hexachlorocyclopentadiene	12.43	237	24	7.438	ng	79
50) Dimethylphthalate	13.66	163	211766	7.235	ng	99
54) 2,4-Dinitrophenol	14.33	184	46	11.385	ng	# 1
56) 4-Nitrophenol	14.53	139	200	5.005	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.35	198	22	5.271	ng	# 1
70) Pentachlorophenol	16.50	266	13	7.444	ng	85
71) Phenanthrene	17.00	178	227728	6.003	ng	100
75) Fluoranthene	18.99	202	602216	13.701	ng	98
78) Pyrene	19.35	202	529363	14.469	ng	100
81) Benzo(a)anthracene	21.06	228	263841	7.692	ng	96
83) Chrysene	21.11	228	249590	7.644	ng	96
87) Indeno(1,2,3-cd)pyrene	25.47	276	125101	3.263	ng	97
88) Benzo(b)fluoranthene	22.62	252	283669	8.613	ng	# 94
89) Benzo(k)fluoranthene	22.62	252	283669	8.744	ng	# 95
90) Benzo(a)pyrene	23.17	252	200208	6.415	ng	# 96
92) Benzo(a,h,i)perylene	26.15	276	123878	3.952	ng	97

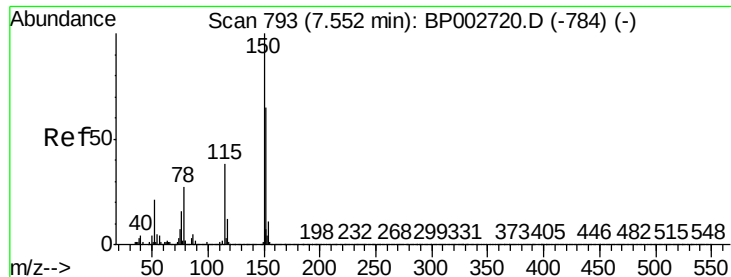
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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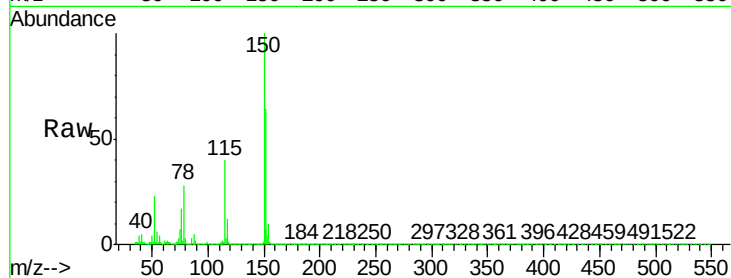


#1

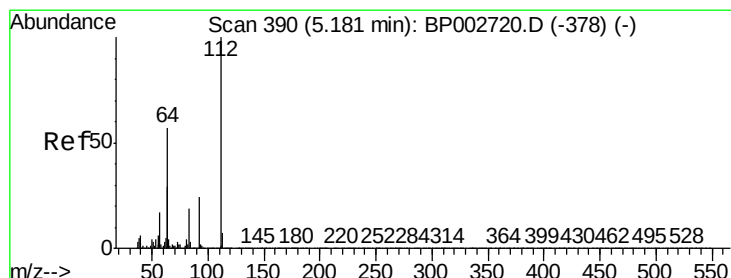
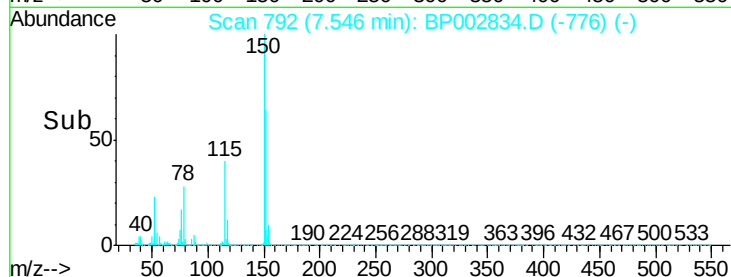
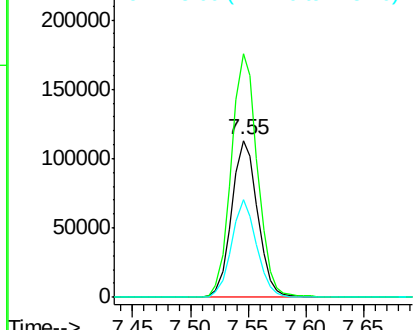
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	123.7	185.5
115	62.2	47.2	70.8



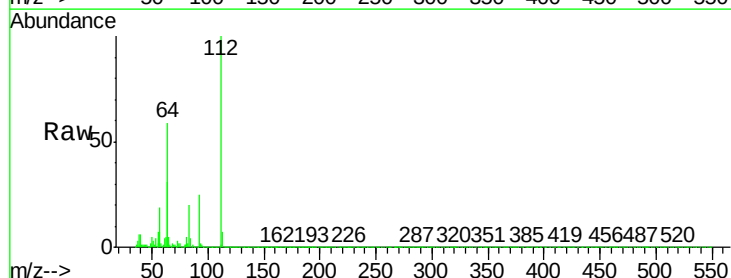
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



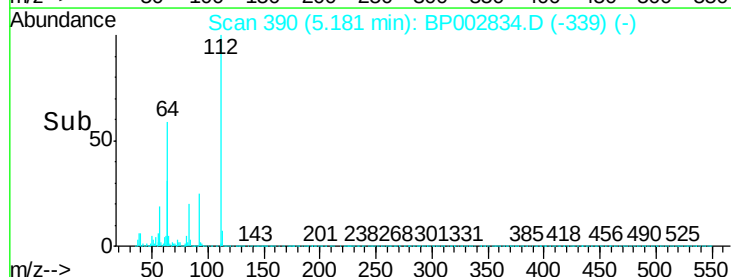
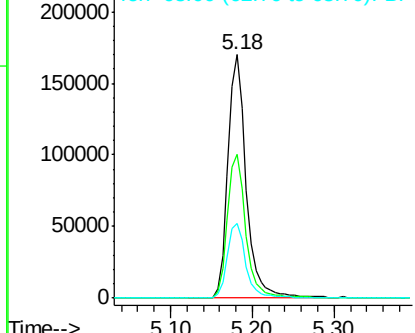
#5

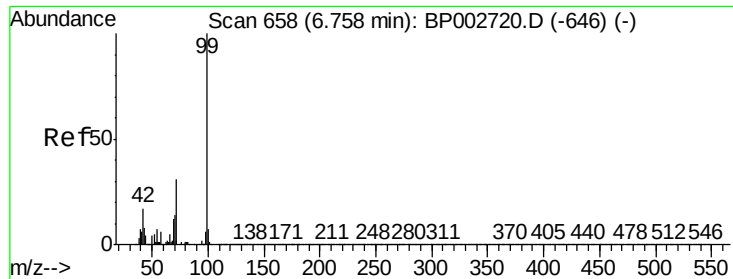
2-Fluorophenol
Concen: 25.393 ng
RT: 5.18 min Scan# 390
Delta R.T. 0.00 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	45.6	68.4
63	30.6	23.5	35.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BP0
Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 53.082 ng

RT: 6.76 min Scan# 658

Delta R.T. 0.00 min

Lab File: BP002834.D

Acq: 22 Jul 2020 20:23

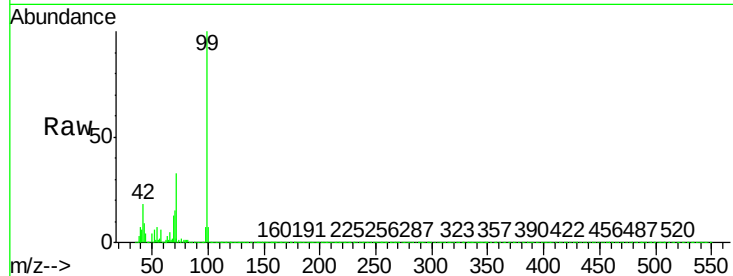
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 792280

Ion	Ratio	Lower	Upper
99	100		
42	17.7	13.4	20.2
71	32.8	24.6	36.8

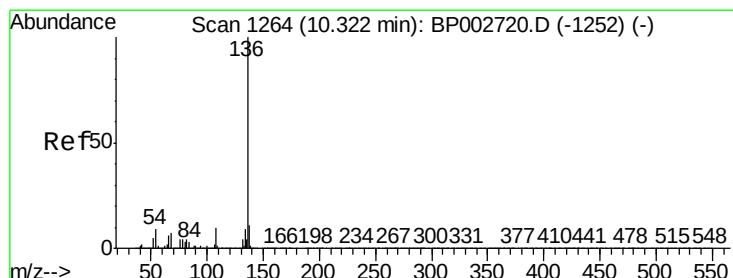
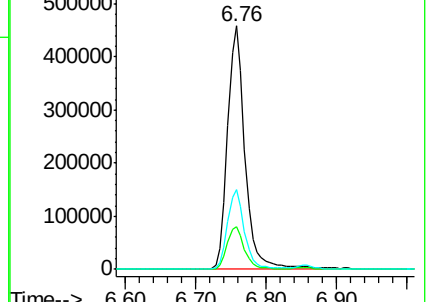
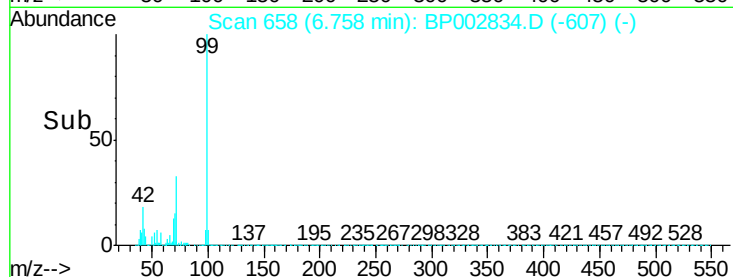


Abundance

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# 1263

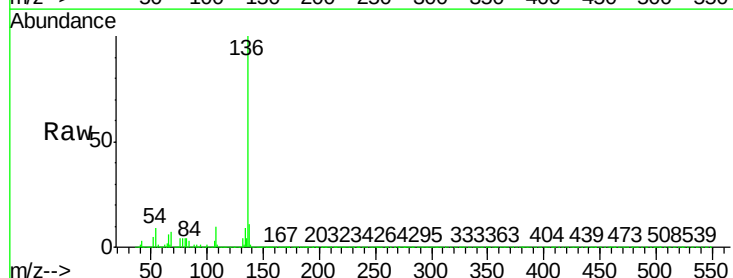
Delta R.T. -0.01 min

Lab File: BP002834.D

Acq: 22 Jul 2020 20:23

Tgt Ion: 136 Resp: 693093

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.2	6.9	10.3
68	7.2	5.7	8.5



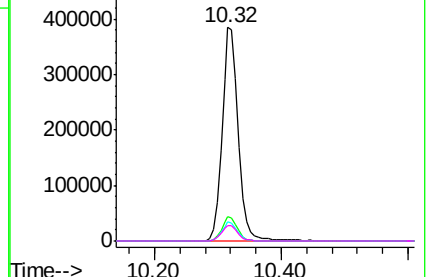
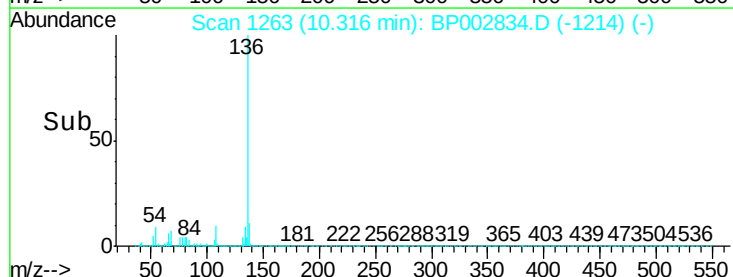
Abundance

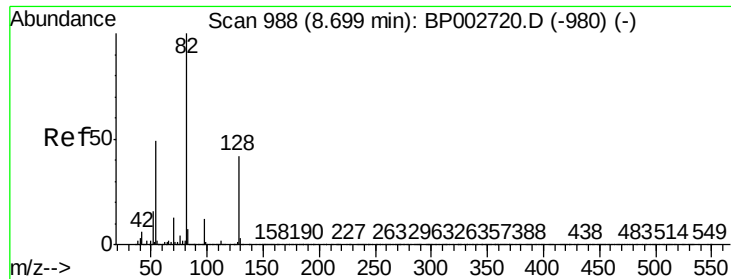
Ion 136.00 (135.70 to 136.70): E

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

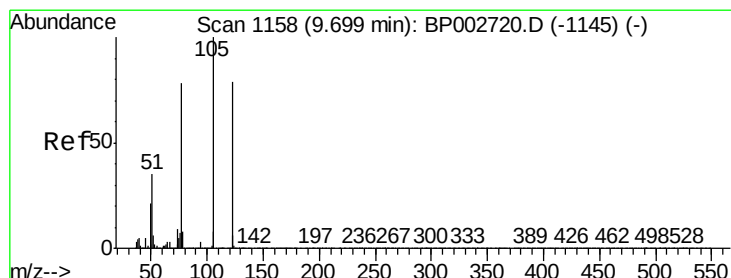
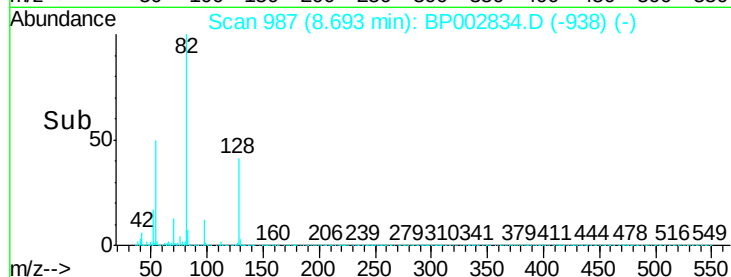
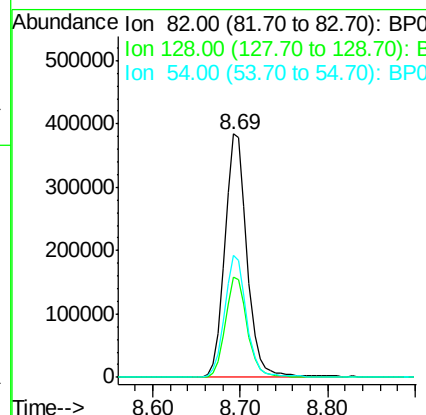
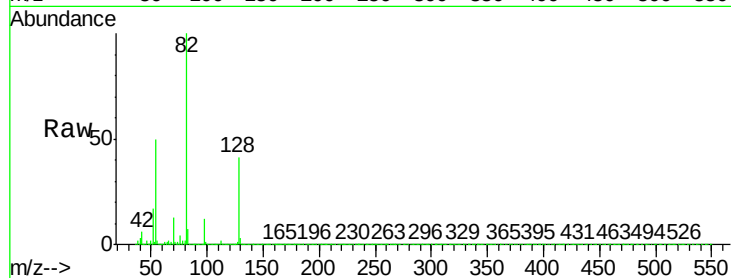




#23
Nitrobenzene-d5
Concen: 51.939 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

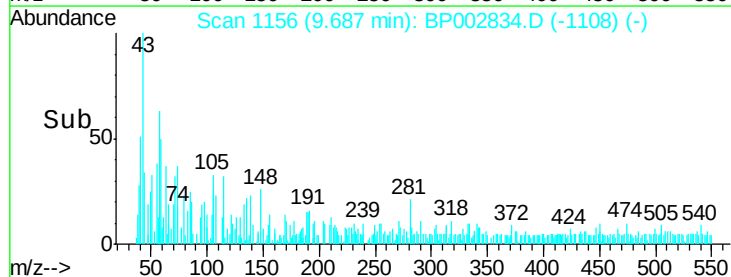
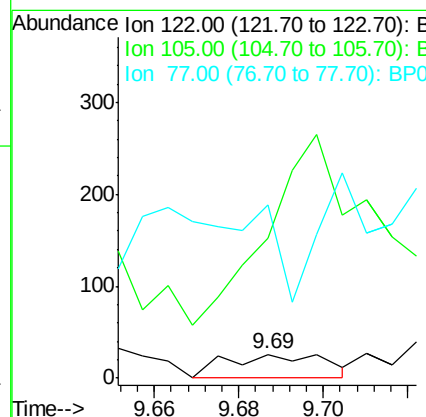
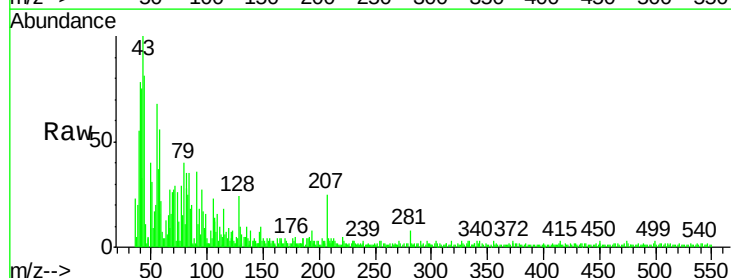
Instrument :
BNA_P
ClientSampled :

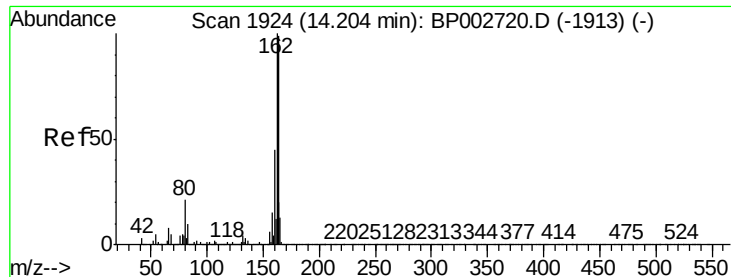
Tot Ion	82	Resp	673077
Ion Ratio	Lower	Upper	
82	100		
128	41.2	33.8	50.8
54	50.3	38.8	58.2



#32
Benzoic acid
Concen: 7.067 ng
RT: 9.69 min Scan# 1156
Delta R.T. -0.02 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion	122	Resp	42
Ion Ratio	Lower	Upper	
122	100		
105	584.6	105.4	145.4#
77	723.1	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: BP002834.D

Acq: 22 Jul 2020 20:23

Instrument :

BNA_P

ClientSampleId :

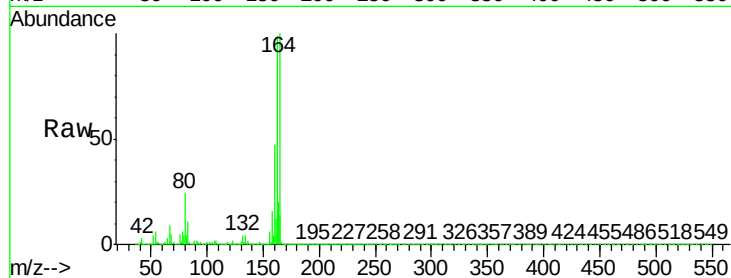
Tot Ion:164 Resp: 383786

Ion Ratio Lower Upper

164 100

162 99.2 80.6 121.0

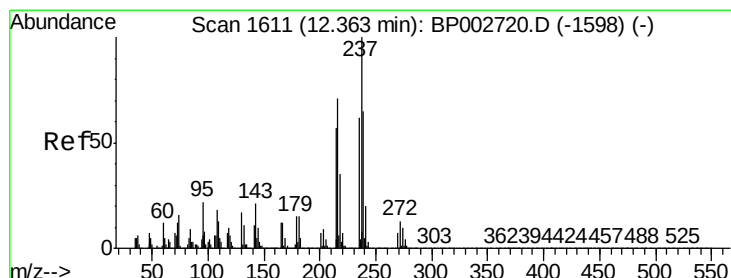
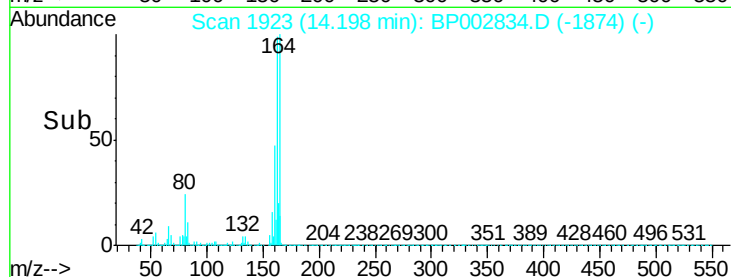
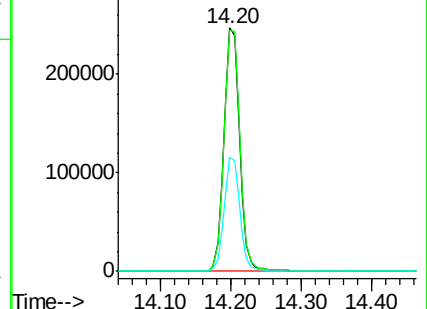
160 47.2 36.4 54.6



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: 12.43 min Scan# 1622

Delta R.T. 0.06 min

Lab File: BP002834.D

Acq: 22 Jul 2020 20:23

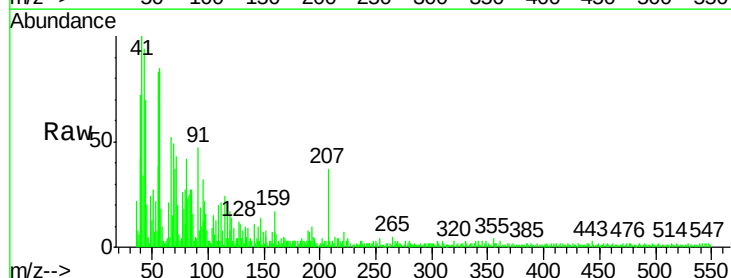
Tgt Ion:237 Resp: 24

Ion Ratio Lower Upper

237 100

235 47.4 42.3 82.3

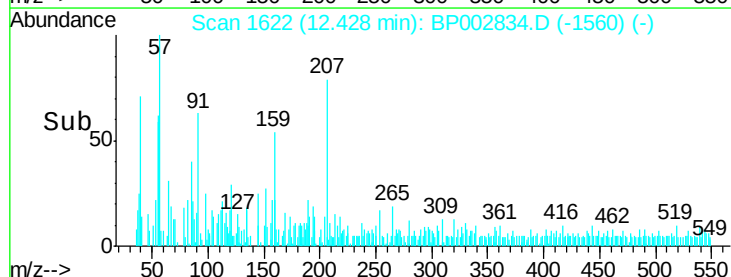
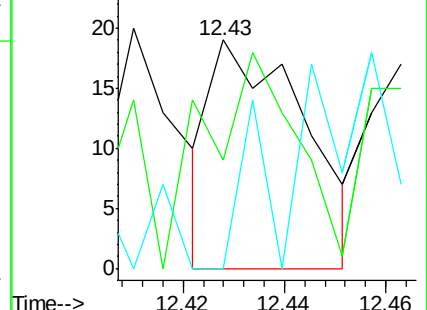
272 0.0 0.0 32.5

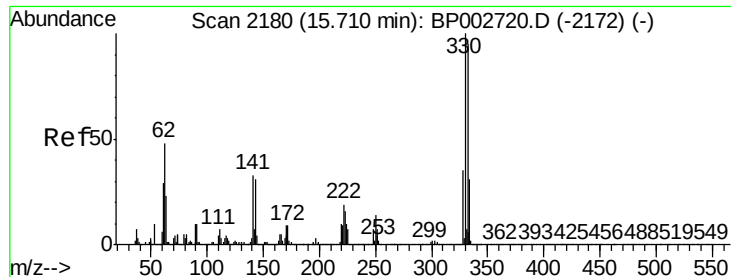


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

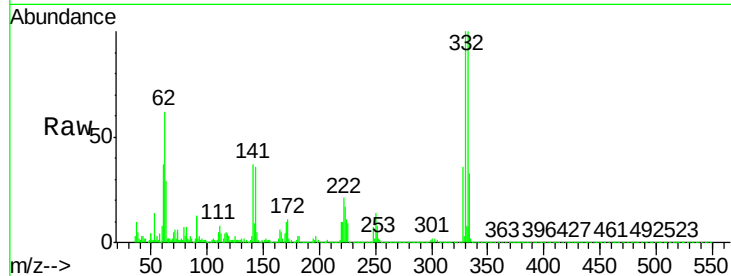




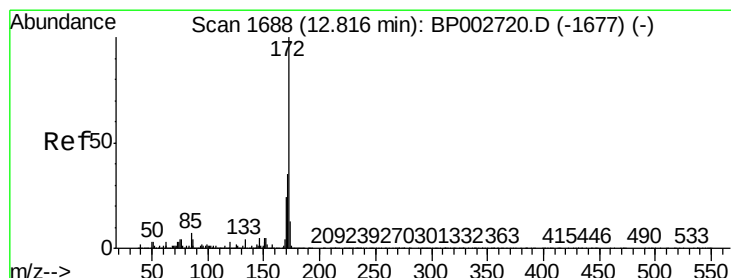
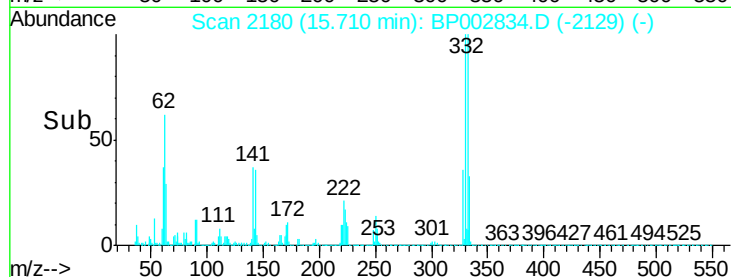
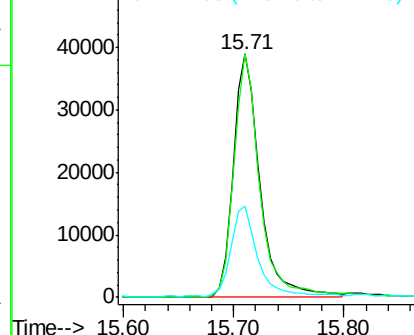
#42
2,4,6-Tribromophenol
Concen: 16.498 ng
RT: 15.71 min Scan# 2180
Delta R.T. 0.00 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 66092
Ion Ratio Lower Upper
330 100
332 99.0 76.5 114.7
141 37.5 28.8 43.2

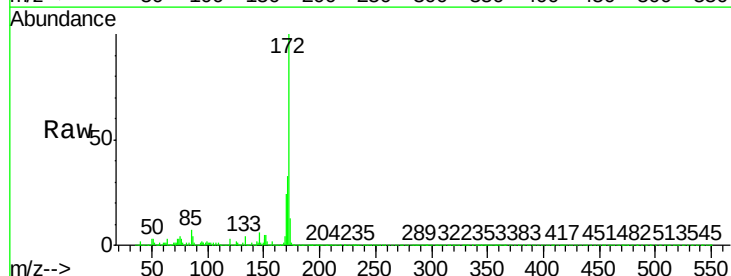


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

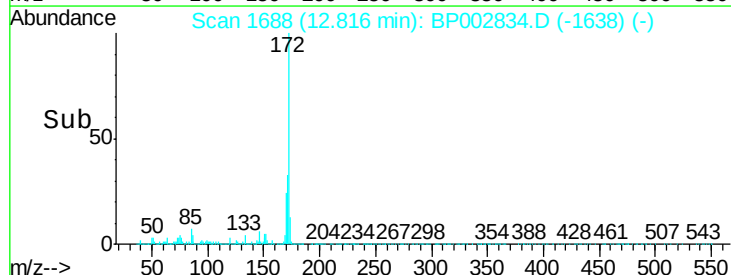
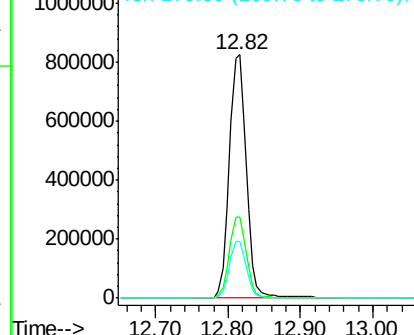


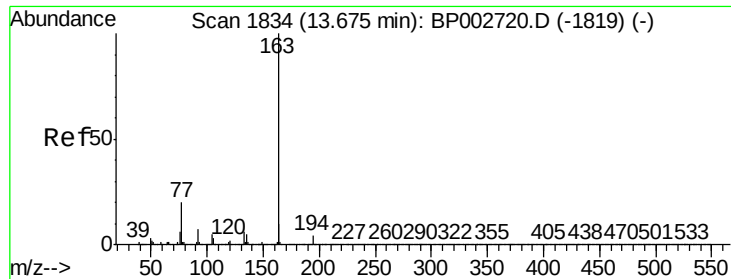
#45
2-Fluorobiphenyl
Concen: 54.920 ng
RT: 12.82 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion:172 Resp: 1362503
Ion Ratio Lower Upper
172 100
171 33.3 28.1 42.1
170 23.6 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

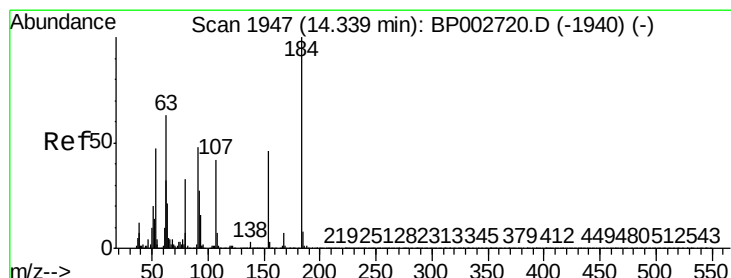
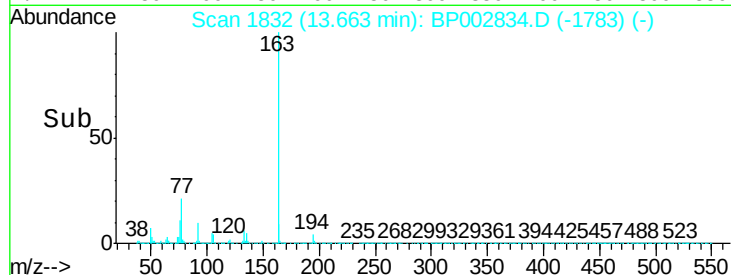
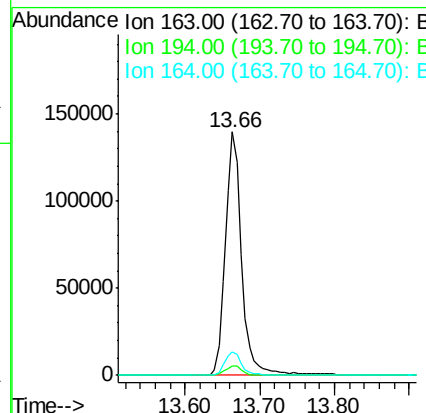
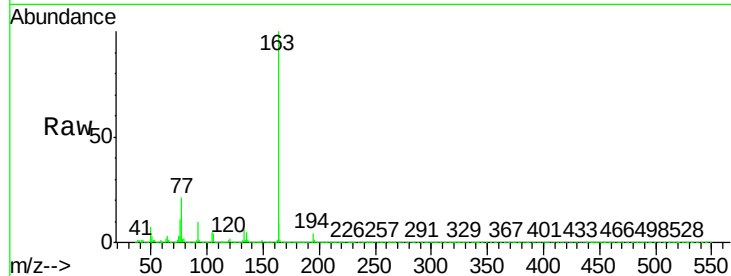




#50
Dimethylphthalate
Concen: 7.235 ng
RT: 13.66 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

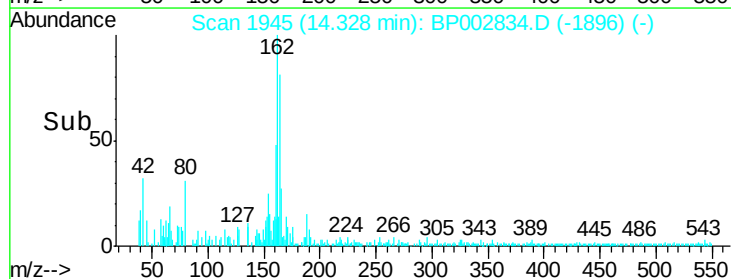
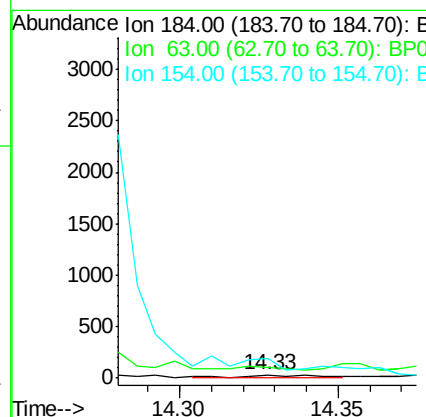
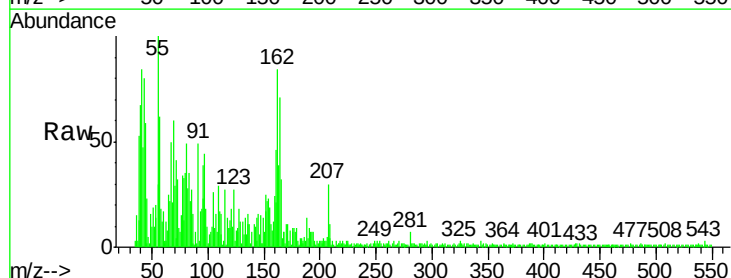
Instrument :
BNA_P
ClientSampleId :

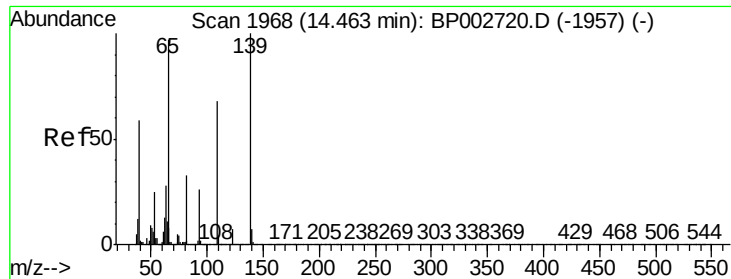
Tot Ion:163 Resp: 211766
Ion Ratio Lower Upper
163 100
194 4.1 3.4 5.2
164 9.5 7.8 11.8



#54
2,4-Dinitrophenol
Concen: 11.385 ng
RT: 14.33 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion:184 Resp: 46
Ion Ratio Lower Upper
184 100
63 318.8 51.6 77.4#
154 606.3 45.0 67.6#

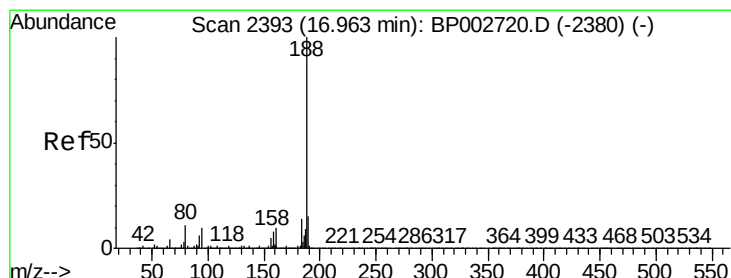
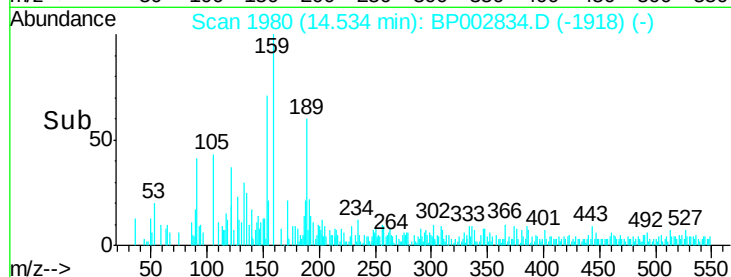
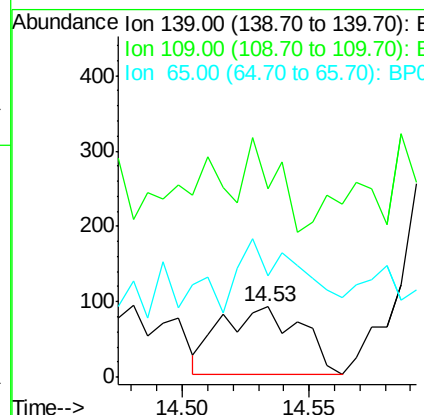
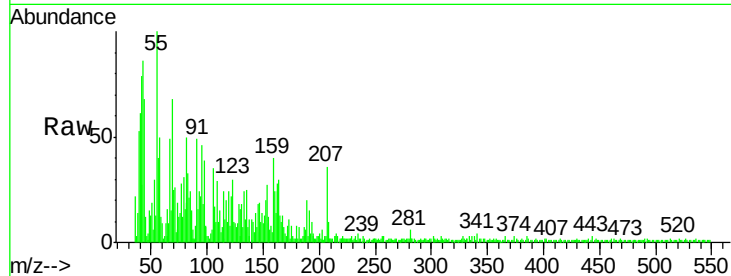




#56
4-Nitrophenol
Concen: 5.005 ng
RT: 14.53 min Scan# 1980
Delta R.T. 0.06 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

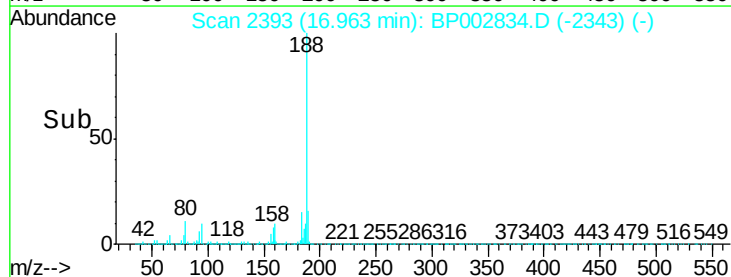
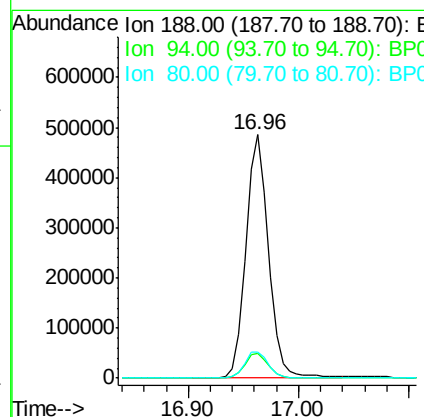
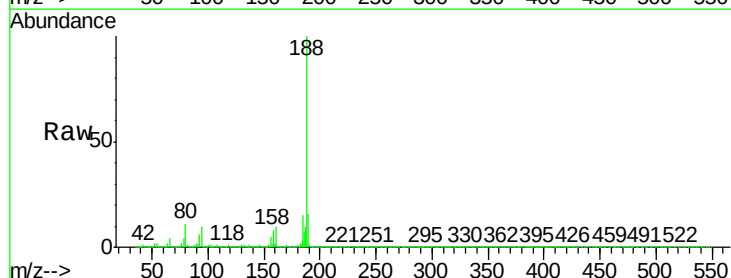
Instrument :
BNA_P
ClientSampled :

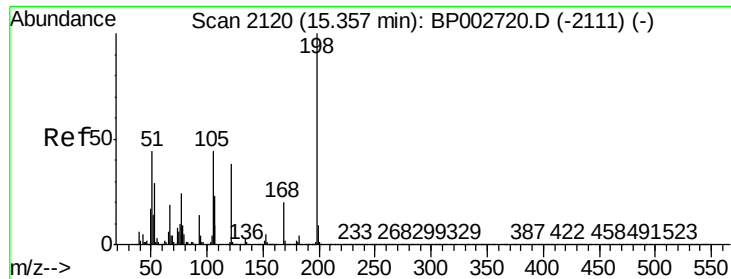
Tot Ion:139 Resp: 200
Ion Ratio Lower Upper
139 100
109 268.8 48.1 88.1#
65 145.2 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2393
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion:188 Resp: 700600
Ion Ratio Lower Upper
188 100
94 10.4 8.1 12.1
80 10.8 8.9 13.3

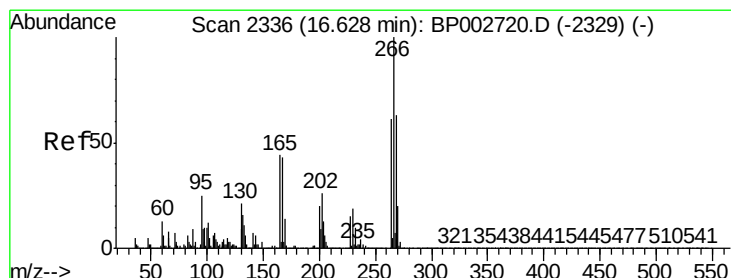
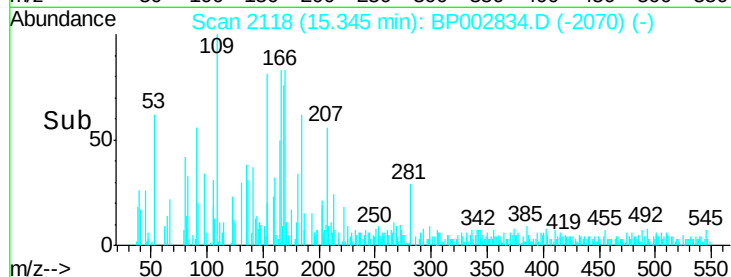
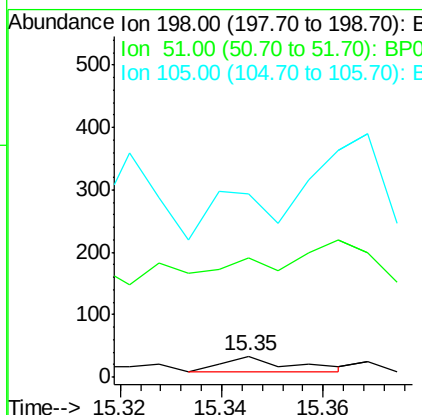
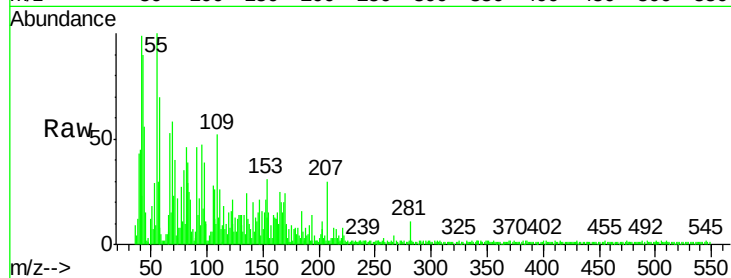




#65
 4,6-Dinitro-2-methylphenol
 Concen: 5.271 ng
 RT: 15.35 min Scan# 2118
 Delta R.T. -0.02 min
 Lab File: BP002834.D
 Acq: 22 Jul 2020 20:23

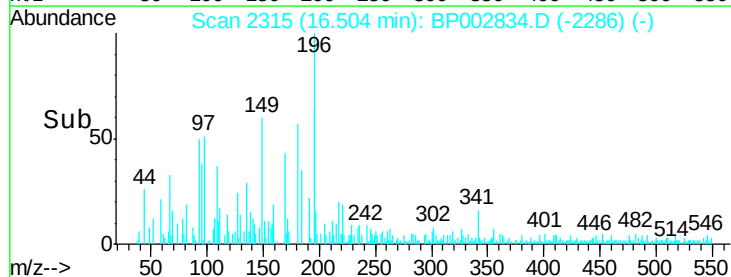
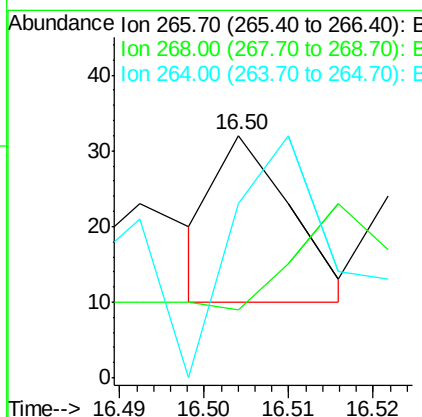
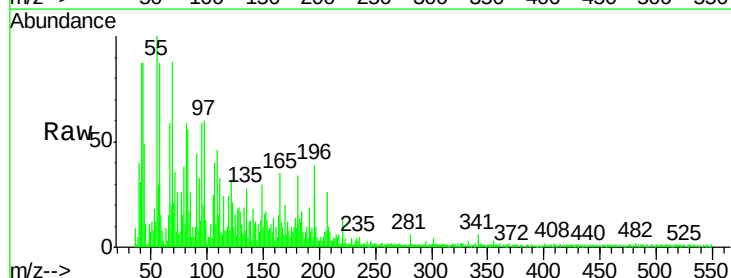
Instrument :
 BNA_P
 ClientSampleId :

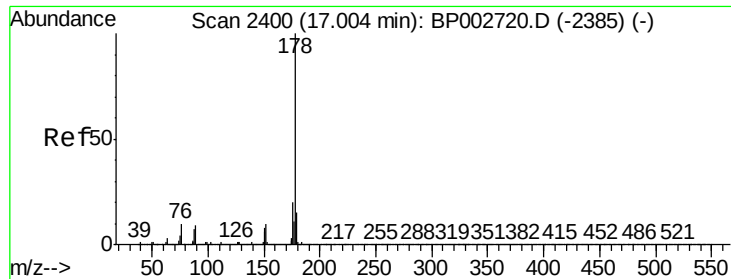
Tot Ion:198 Resp: 22
 Ion Ratio Lower Upper
 198 100
 51 561.8 27.1 67.1#
 105 864.7 24.9 64.9#



#70
 Pentachlorophenol
 Concen: 7.444 ng
 RT: 16.50 min Scan# 2315
 Delta R.T. -0.13 min
 Lab File: BP002834.D
 Acq: 22 Jul 2020 20:23

Tgt Ion:266 Resp: 13
 Ion Ratio Lower Upper
 266 100
 268 75.0 50.6 75.8
 264 71.9 48.6 72.8

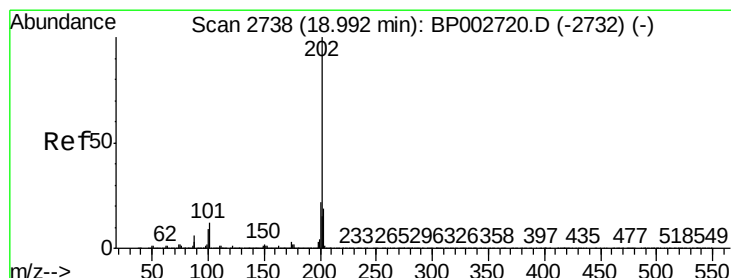
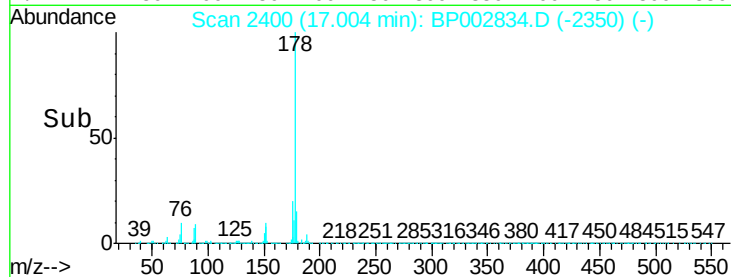
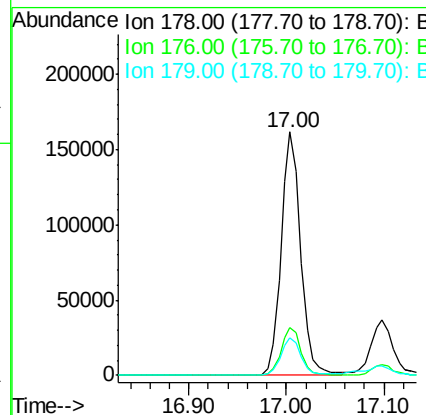
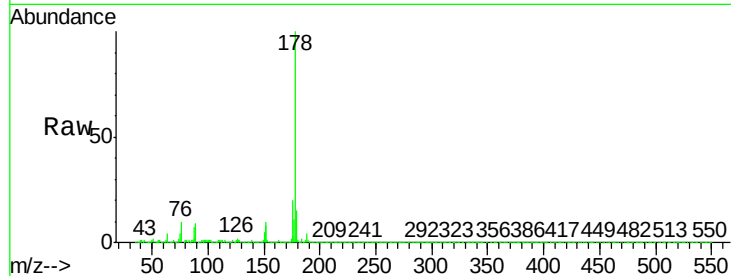




#71
Phenanthrene
Concen: 6.003 ng
RT: 17.00 min Scan# 2400
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

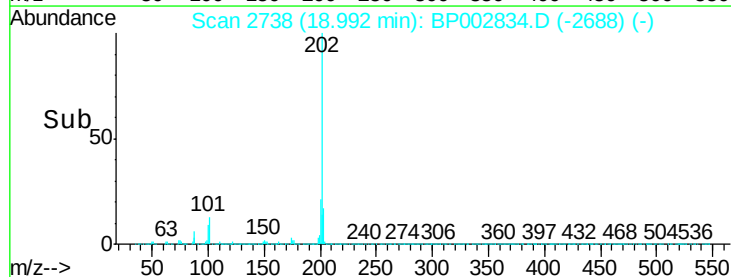
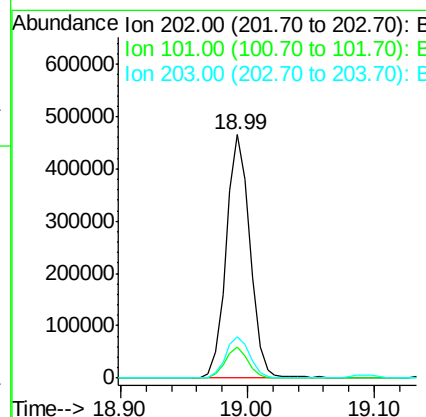
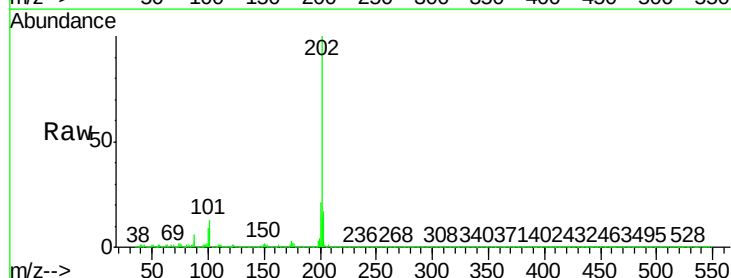
Instrument :
BNA_P
ClientSampleId :

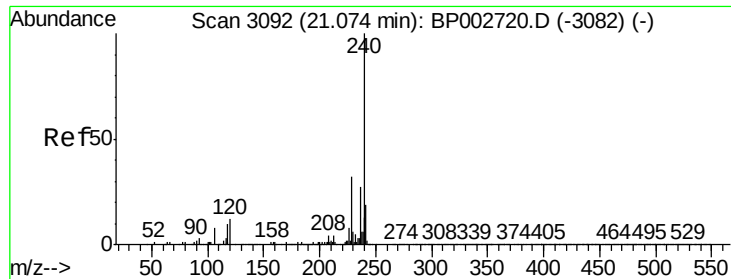
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.2	12.3	18.5



#75
Fluoranthene
Concen: 13.701 ng
RT: 18.99 min Scan# 2738
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.5
203	17.2	0.0	38.6

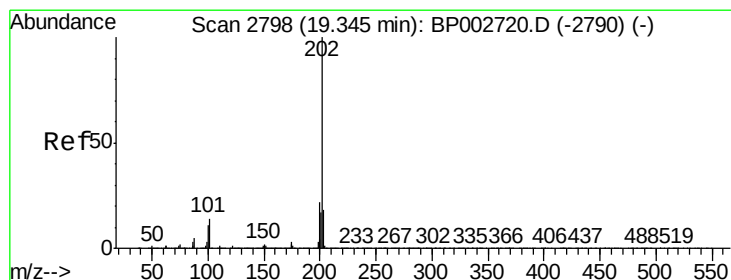
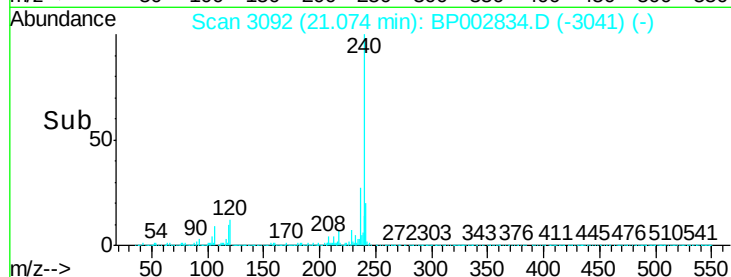
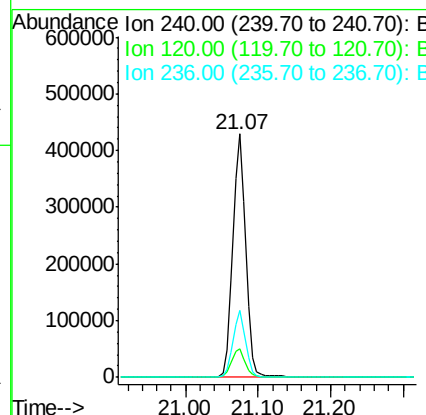
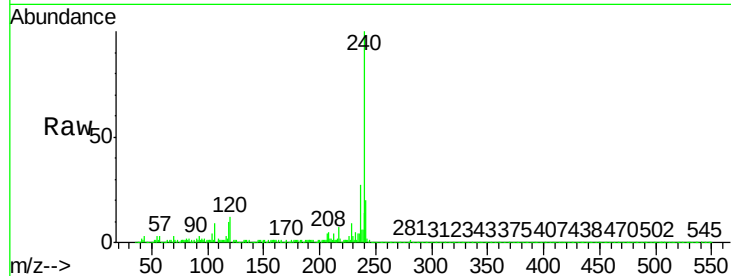




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. 0.00 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

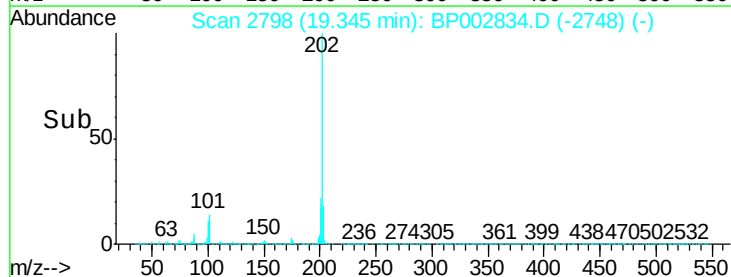
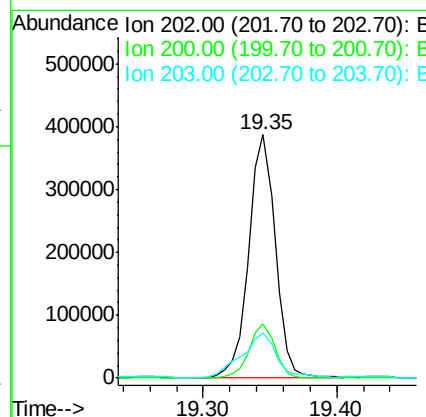
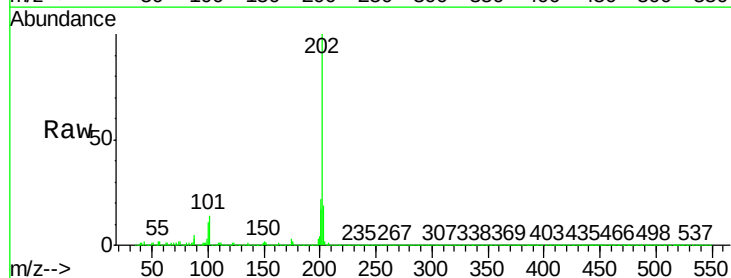
Instrument :
BNA_P
ClientSampleId :

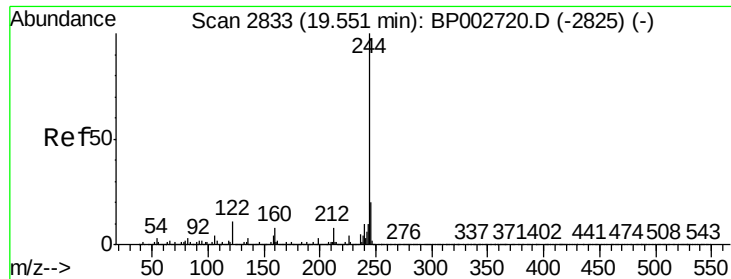
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.4	14.2
236	27.3	21.3	31.9



#78
Pyrene
Concen: 14.469 ng
RT: 19.35 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.7	26.5
203	18.5	14.5	21.7

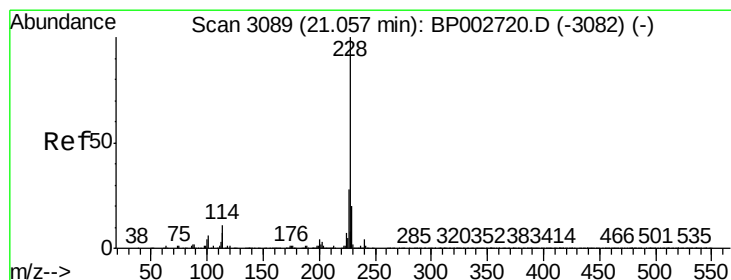
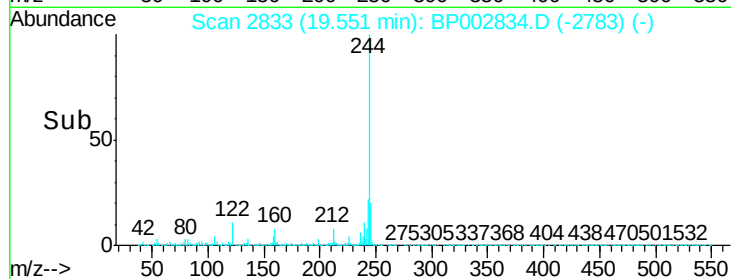
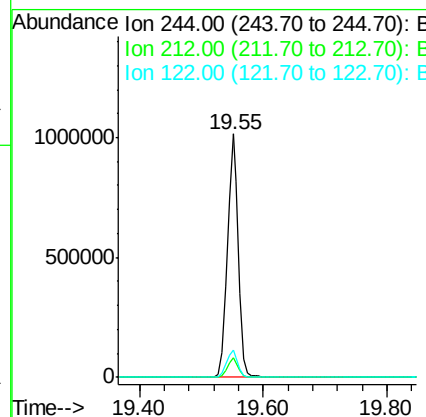
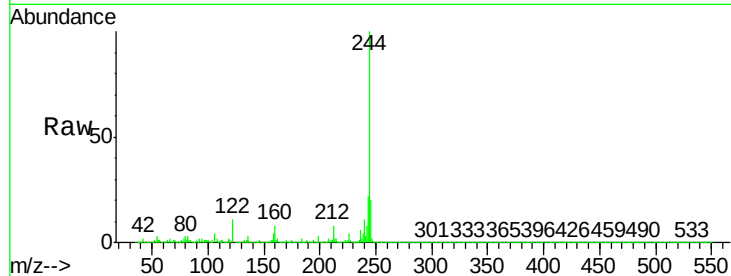




#79
 Terphenyl-d14
 Concen: 54.400 ng
 RT: 19.55 min Scan# 2833
 Delta R.T. -0.01 min
 Lab File: BP002834.D
 Acq: 22 Jul 2020 20:23

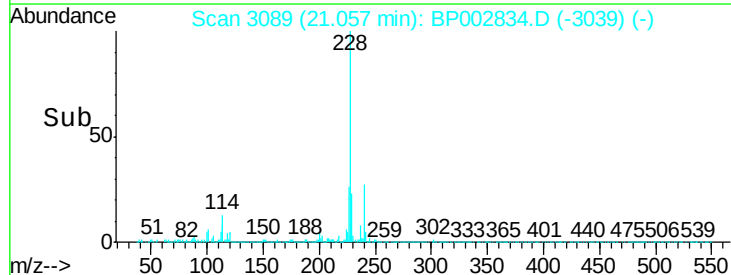
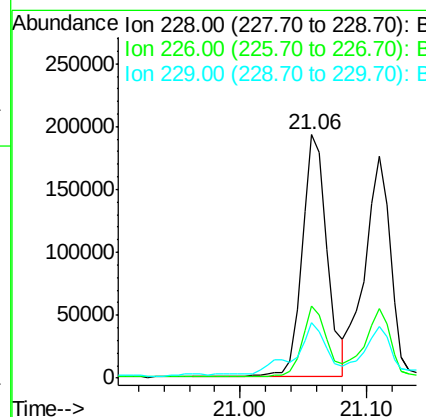
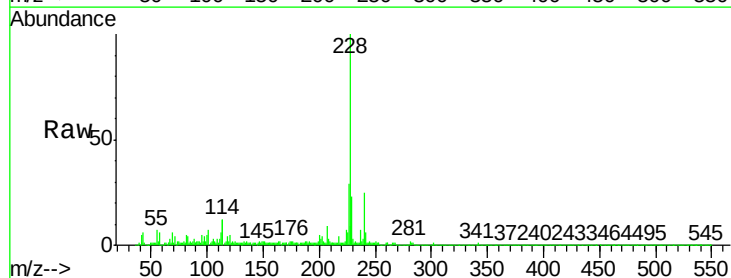
Instrument :
 BNA_P
 ClientSampleId :

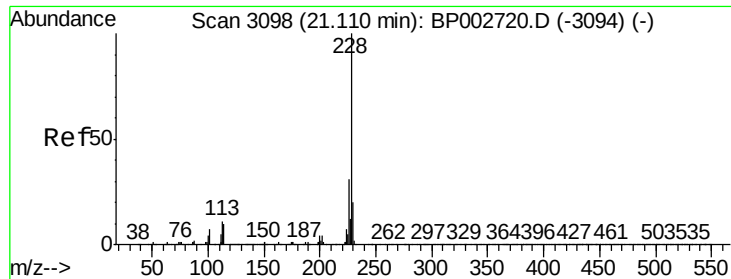
Tot Ion:244 Resp: 1257292
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.0 9.0
 122 11.3 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 7.692 ng
 RT: 21.06 min Scan# 3089
 Delta R.T. -0.01 min
 Lab File: BP002834.D
 Acq: 22 Jul 2020 20:23

Tgt Ion:228 Resp: 263841
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 34.0
 229 22.9 16.0 24.0

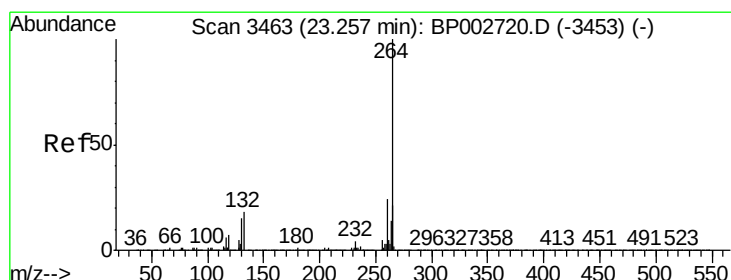
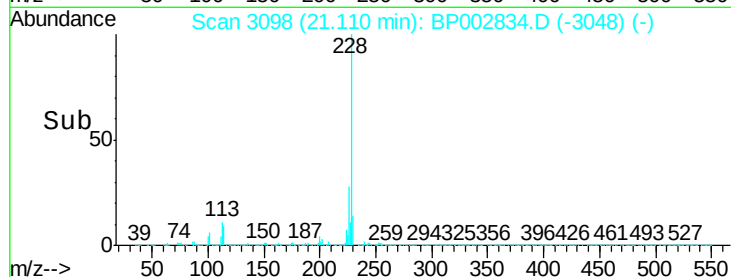
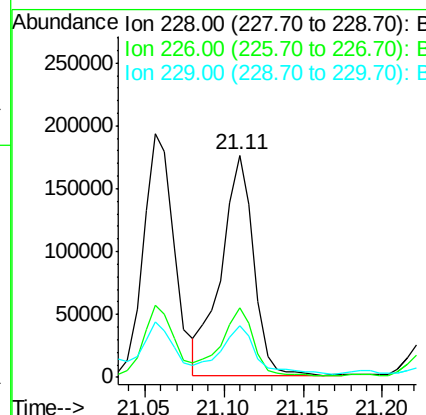
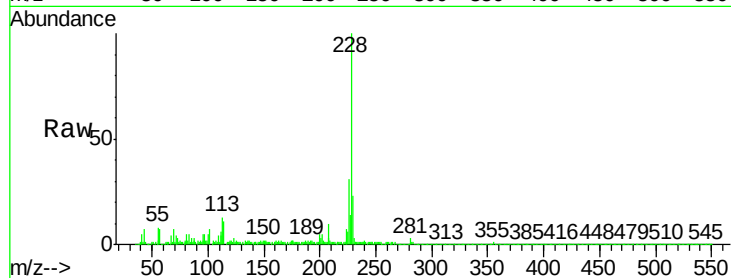




#83
Chrysene
Concen: 7.644 ng
RT: 21.11 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

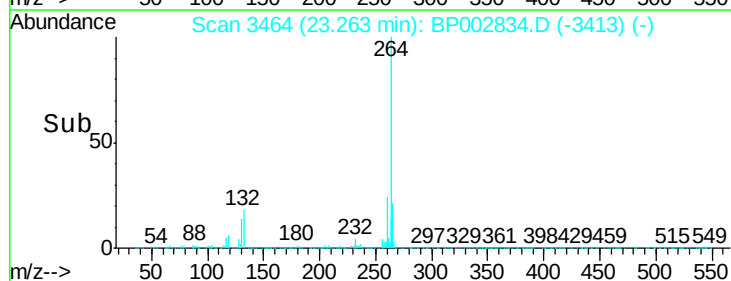
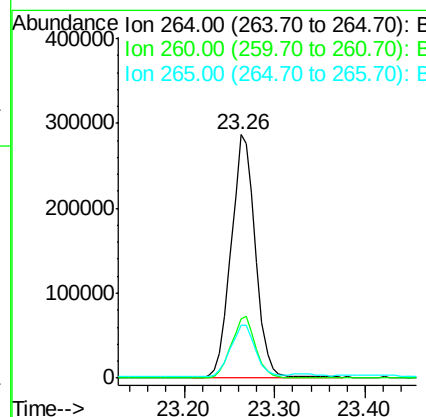
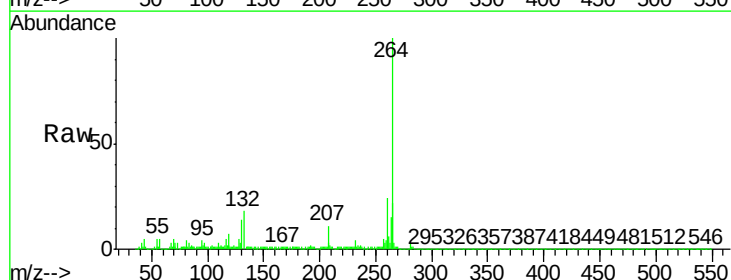
Instrument :
BNA_P
ClientSampleId :

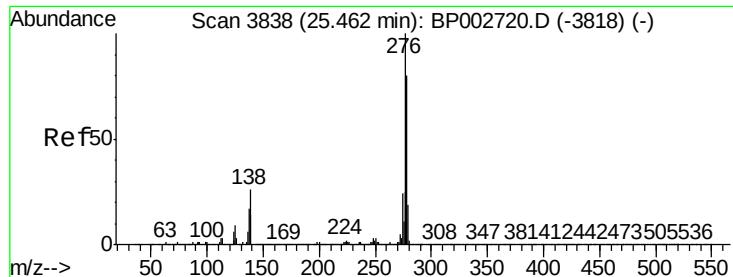
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.6	37.0
229	23.4	15.7	23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.26 min Scan# 3464
Delta R.T. 0.00 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	21.9	16.8	25.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.263 ng

RT: 25.47 min Scan# 3840

Delta R.T. 0.00 min

Lab File: BP002834.D

Acq: 22 Jul 2020 20:23

Instrument :

BNA_P

ClientSampleId :

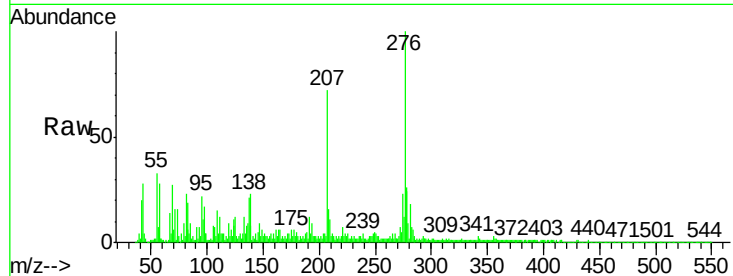
Tot Ion:276 Resp: 125101

Ion Ratio Lower Upper

276 100

138 23.1 20.8 31.2

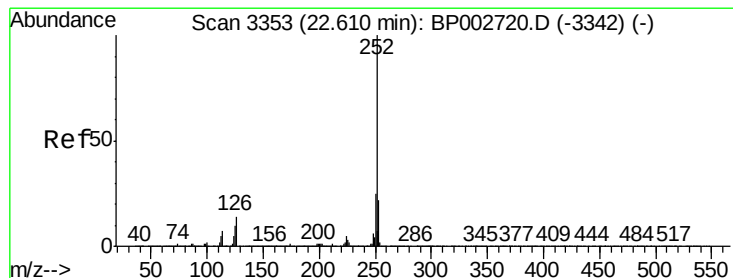
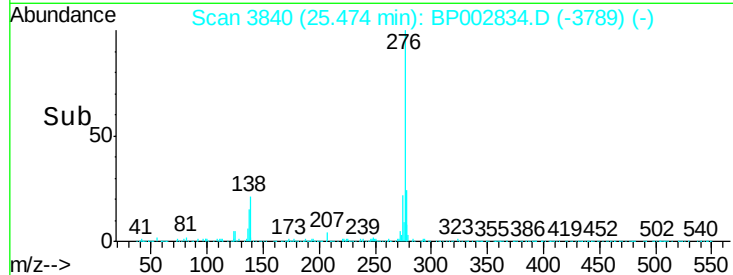
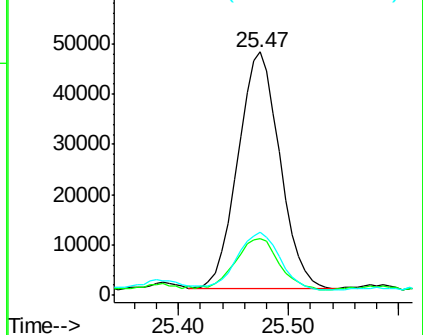
277 25.1 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 8.613 ng

RT: 22.62 min Scan# 3354

Delta R.T. 0.00 min

Lab File: BP002834.D

Acq: 22 Jul 2020 20:23

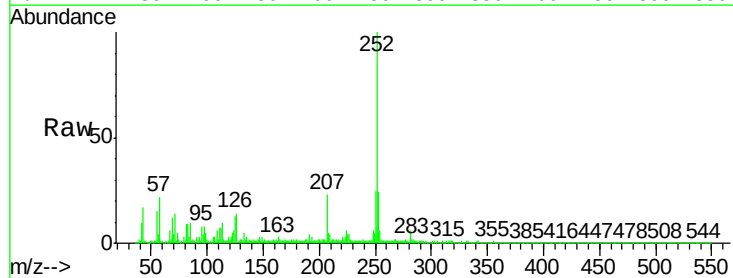
Tgt Ion:252 Resp: 283669

Ion Ratio Lower Upper

252 100

253 24.3 17.7 26.5

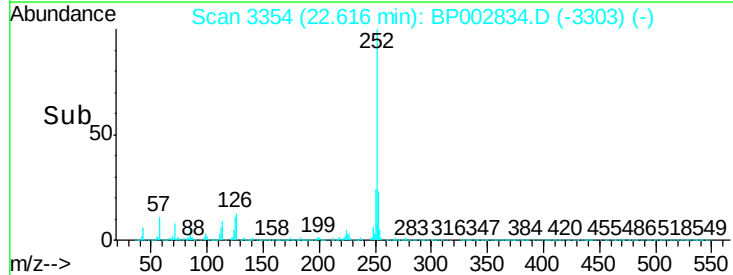
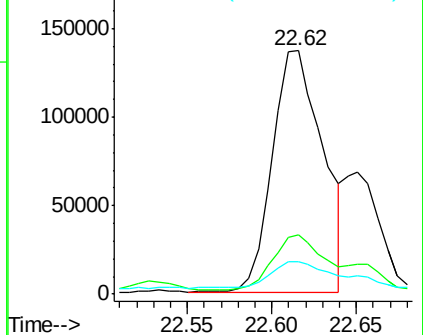
125 13.1 8.2 12.2#

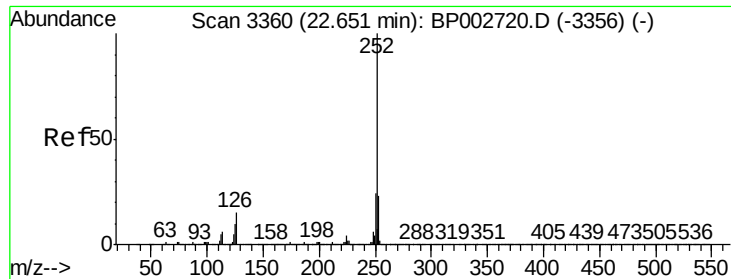


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

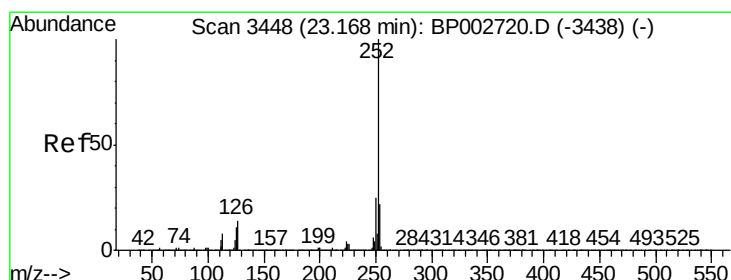
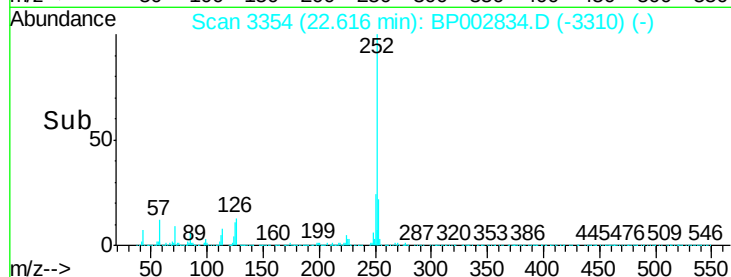
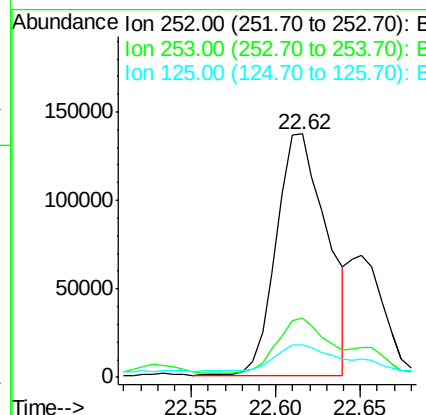
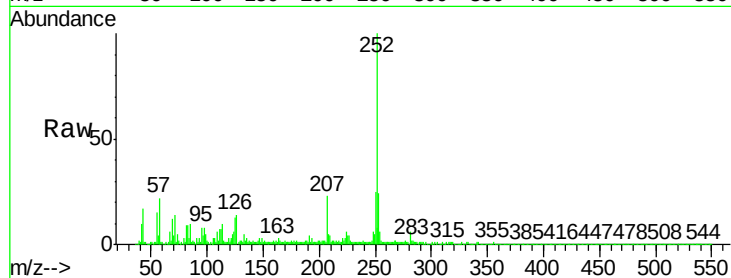




#89
Benzo(k)fluoranthene
Concen: 8.744 ng
RT: 22.62 min Scan# 3354
Delta R.T. -0.04 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

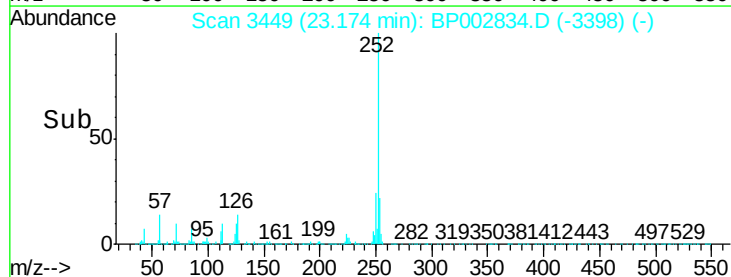
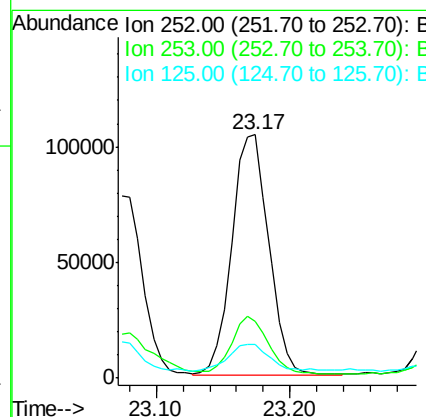
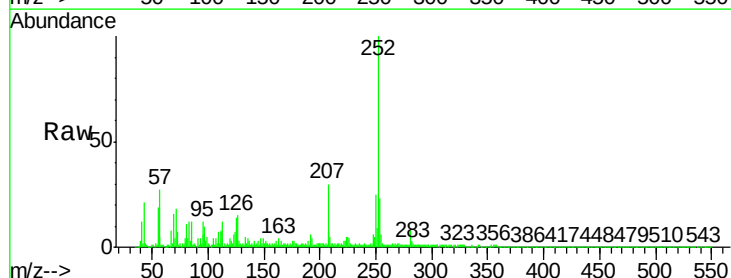
Instrument :
BNA_P
ClientSampleId :

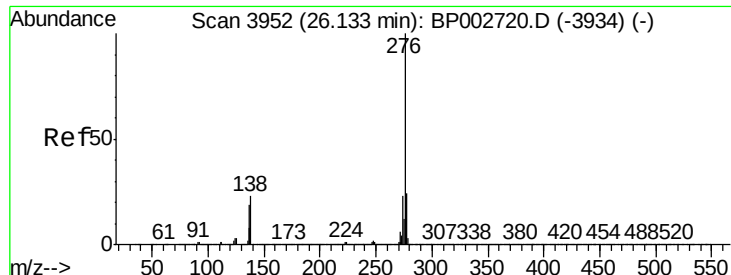
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	13.1	8.3	12.5



#90
Benzo(a)pyrene
Concen: 6.415 ng
RT: 23.17 min Scan# 3449
Delta R.T. 0.00 min
Lab File: BP002834.D
Acq: 22 Jul 2020 20:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	13.6	8.6	13.0





#92

Benzo(a,h,i)perylene

Concen: 3.952 ng

RT: 26.15 min Scan# 3955

Delta R.T. 0.01 min

Lab File: BP002834.D

Acq: 22 Jul 2020 20:23

Instrument :

BNA_P

ClientSampleId :

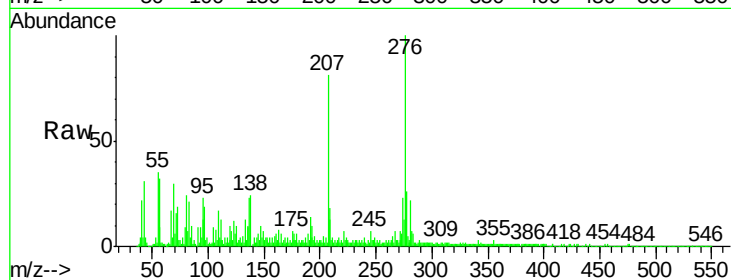
Tot Ion:276 Resp: 123878

Ion Ratio Lower Upper

276 100

277 25.7 19.1 28.7

138 23.8 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

