

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP072220\
 Data File : BP002827.D
 Acq On : 22 Jul 2020 16:23
 Operator : CG/JU
 Sample : L3365-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jul 22 17:25:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	144448	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	581264	20.00	ng	-0.01
39) Acenaphthene-d10	14.20	164	356102	20.00	ng	-0.01
64) Phenanthrene-d10	16.96	188	749089	20.00	ng	-0.01
76) Chrysene-d12	21.07	240	672680	20.00	ng	0.00
86) Perylene-d12	23.26	264	592151	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	849670	99.24	ng	0.00
7) Phenol-d6	6.75	99	1189858	97.38	ng	0.00
23) Nitrobenzene-d5	8.69	82	823697	75.79	ng	-0.01
42) 2,4,6-Tribromophenol	15.70	330	392594	105.62	ng	0.00
45) 2-Fluorobiphenyl	12.81	172	1646915	71.55	ng	-0.01
79) Terphenyl-d14	19.55	244	1856756	63.28	ng	0.00

Target Compounds

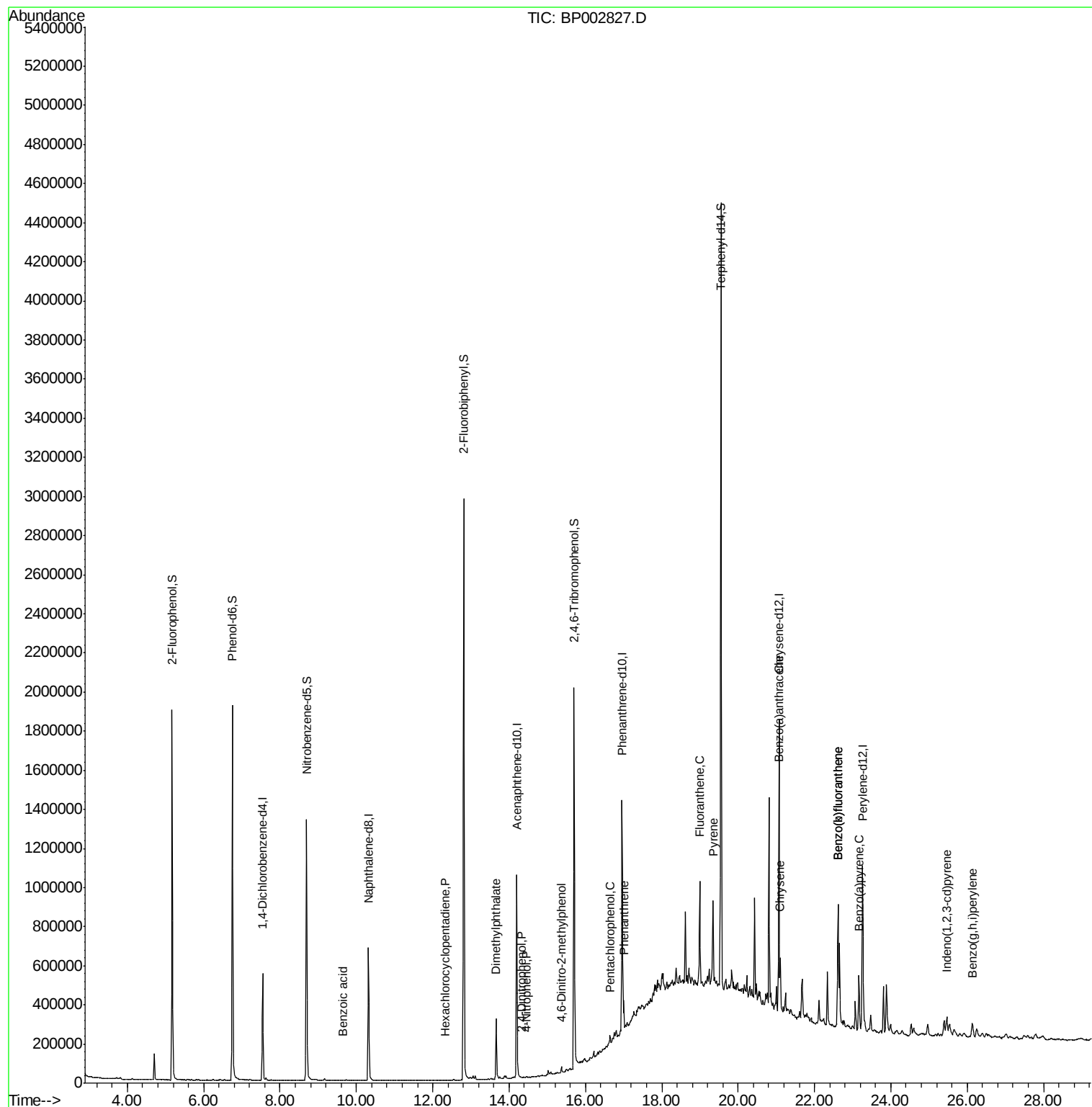
						Qvalue
32) Benzoic acid	9.66	122	12	7.064	ng	# 1
41) Hexachlorocyclopentadiene	12.33	237	25	7.439	ng	83
50) Dimethylphthalate	13.66	163	222056	8.177	ng	99
54) 2,4-Dinitrophenol	14.32	184	12	11.377	ng	# 1
56) 4-Nitrophenol	14.47	139	33	4.978	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.37	198	63	5.279	ng	# 1
70) Pentachlorophenol	16.63	266	36	7.449	ng	# 1
71) Phenanthrene	17.00	178	88815	2.190	ng	# 96
75) Fluoranthene	18.99	202	310464	6.606	ng	99
78) Pyrene	19.34	202	260401	5.607	ng	99
81) Benzo(a)anthracene	21.06	228	123052	2.826	ng	98
83) Chrysene	21.10	228	169455	4.088	ng	98
87) Indeno(1,2,3-cd)pyrene	25.47	276	90630	2.118	ng	96
88) Benzo(b)fluoranthene	22.61	252	227731	6.194	ng	# 97
89) Benzo(k)fluoranthene	22.61	252	227731	6.288	ng	# 97
90) Benzo(a)pyrene	23.17	252	121243	3.480	ng	# 97
92) Benzo(a,h,i)perylene	26.14	276	89550	2.559	ng	97

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

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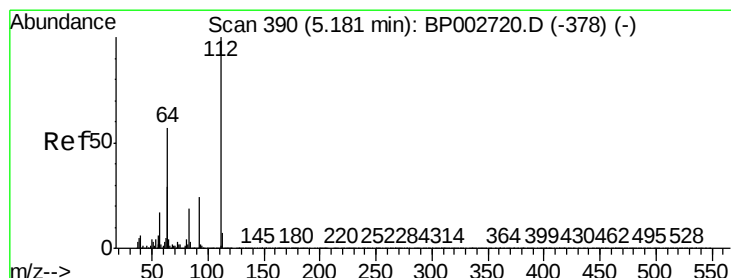
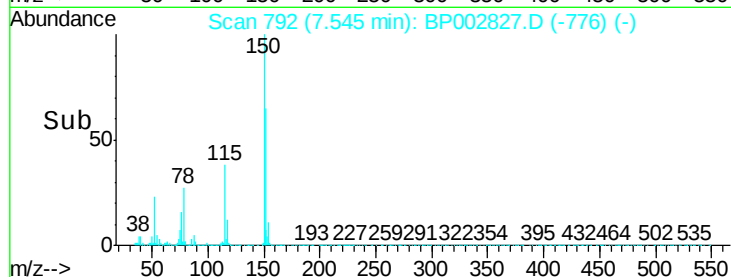
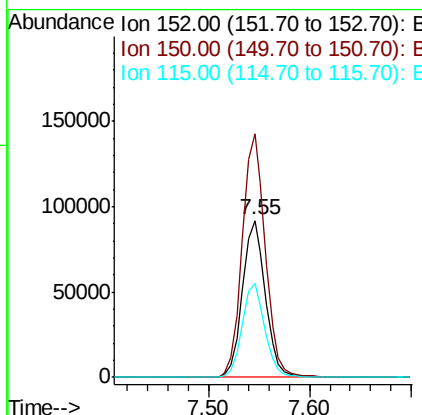
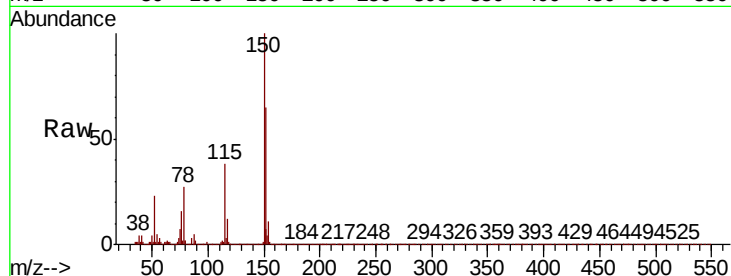


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 792
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Instrument :
BNA_P
ClientSampleId :

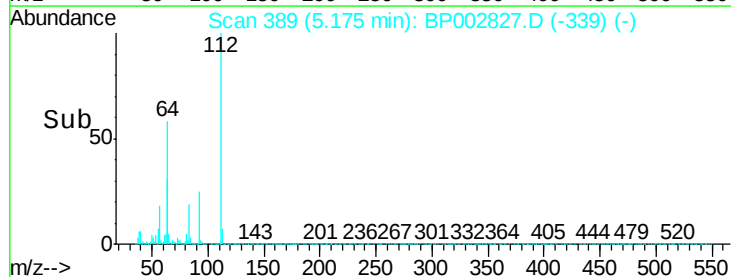
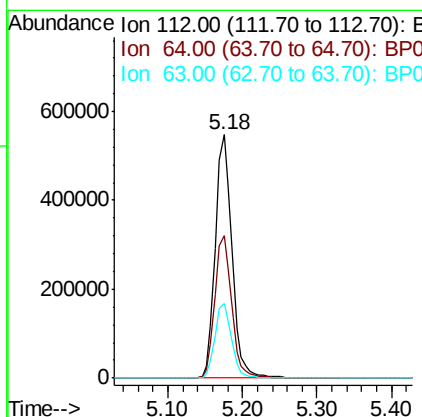
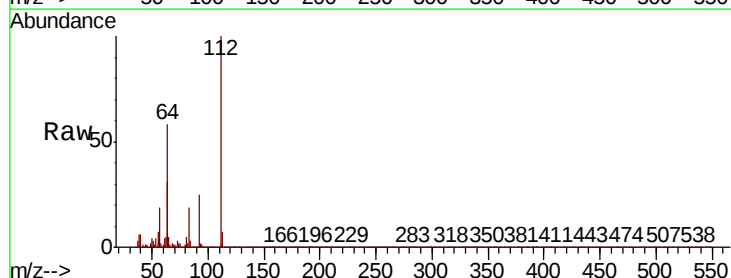
Tot Ion:152 Resp: 144448
Ion Ratio Lower Upper
152 100
150 155.0 123.7 185.5
115 59.6 47.2 70.8

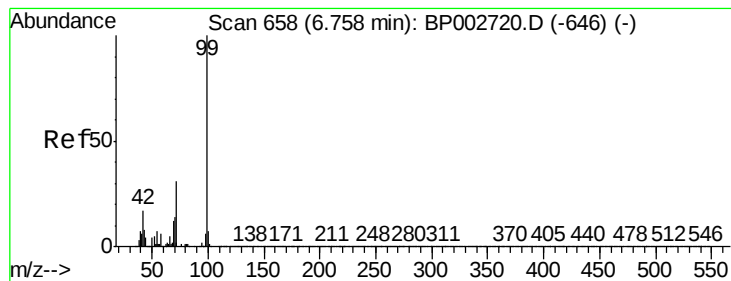


#5

2-Fluorophenol
Concen: 99.243 ng
RT: 5.18 min Scan# 389
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion:112 Resp: 849670
Ion Ratio Lower Upper
112 100
64 58.3 45.6 68.4
63 30.5 23.5 35.3





#7

Phenol-d6

Concen: 97.381 ng

RT: 6.75 min Scan# 657

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

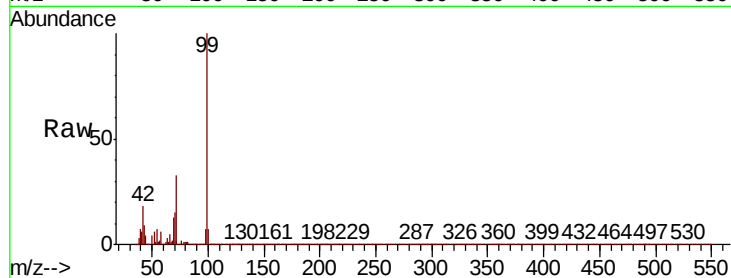
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1189858

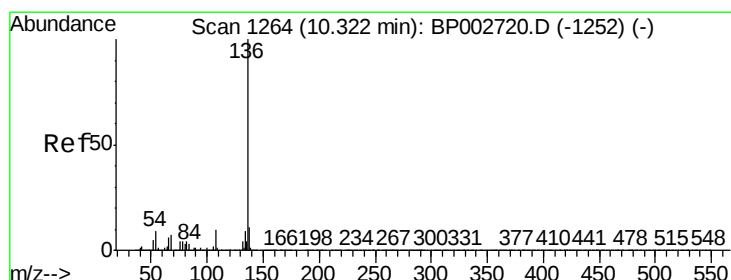
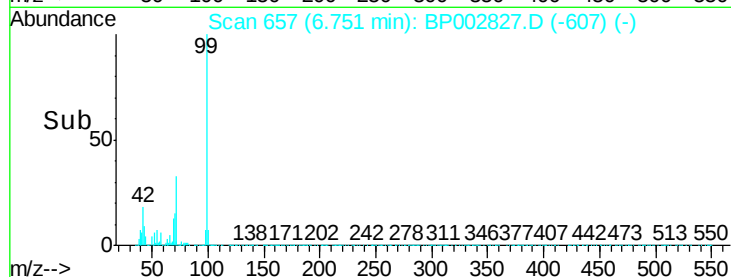
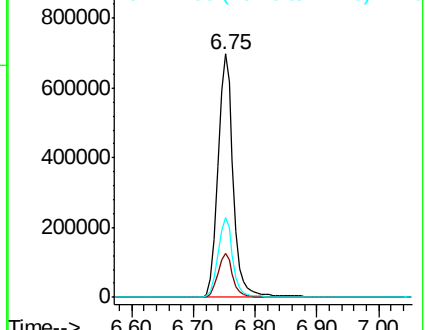
Ion	Ratio	Lower	Upper
99	100		
42	17.8	13.4	20.2
71	32.9	24.6	36.8



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

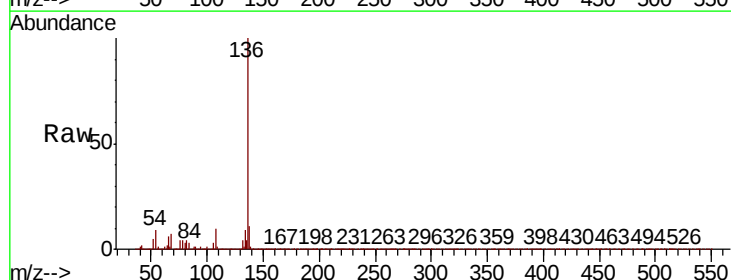
Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Tgt Ion: 136 Resp: 581264

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	6.9	10.3
68	7.2	5.7	8.5

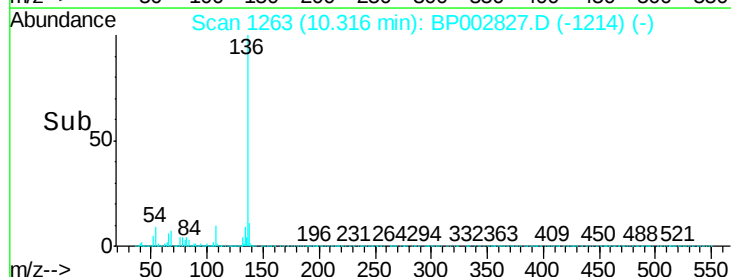
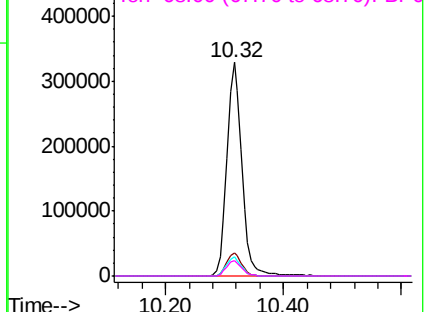


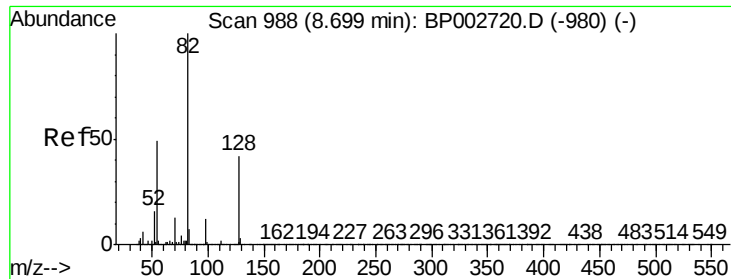
Abundance Ion 136.00 (135.70 to 136.70): E

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

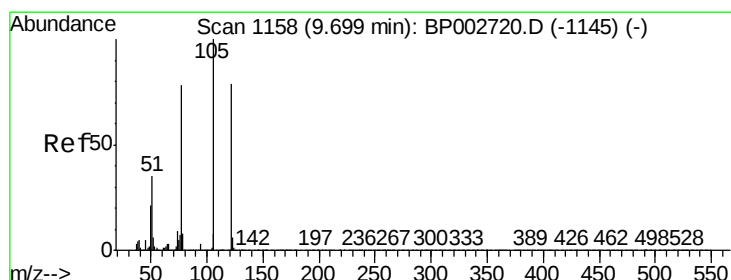
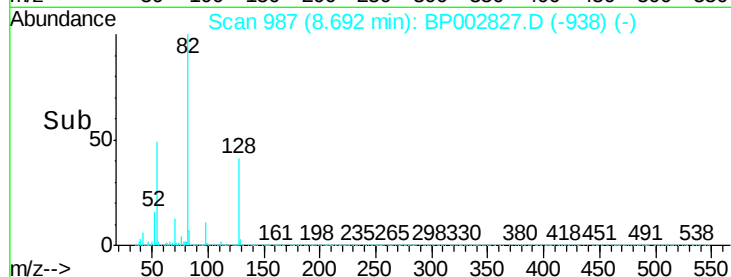
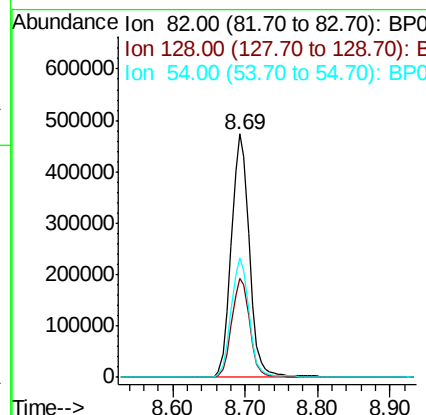
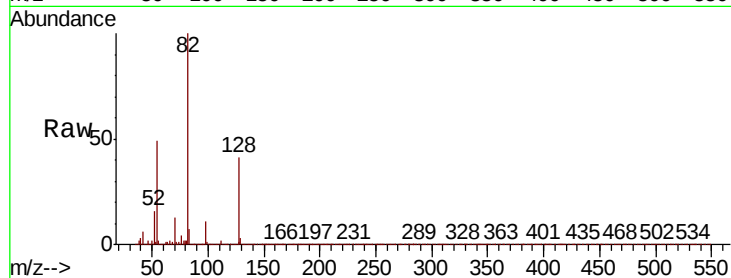




#23
Nitrobenzene-d5
Concen: 75.790 ng
RT: 8.69 min Scan# 987
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

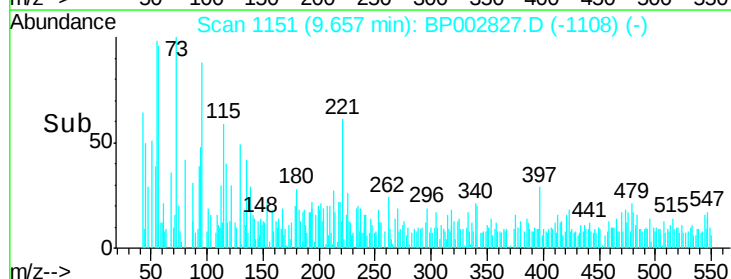
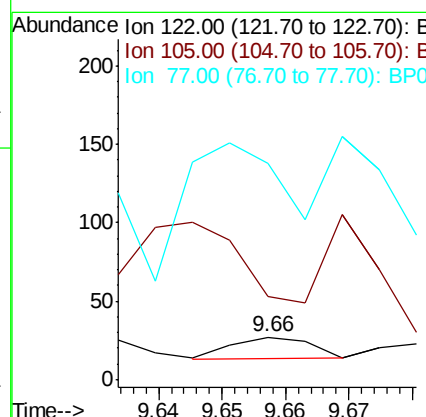
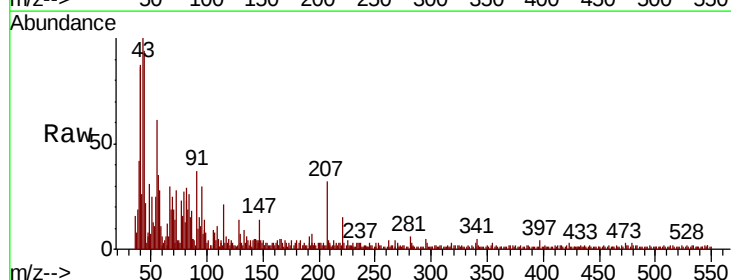
Instrument :
BNA_P
ClientSampleId :

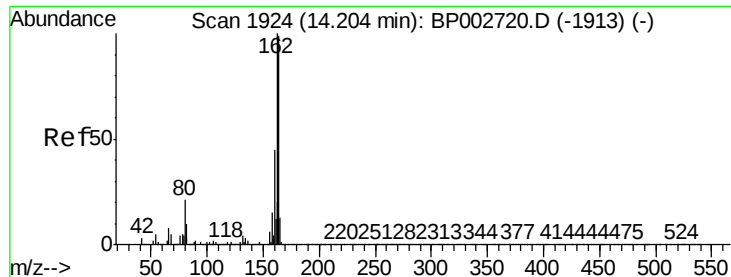
Tot Ion	82	Resp	823697
Ion Ratio	Lower	Upper	
82	100		
128	40.7	33.8	50.8
54	49.1	38.8	58.2



#32
Benzoic acid
Concen: 7.064 ng
RT: 9.66 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion	122	Resp	12
Ion Ratio	Lower	Upper	
122	100		
105	196.3	105.4	145.4#
77	511.1	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: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

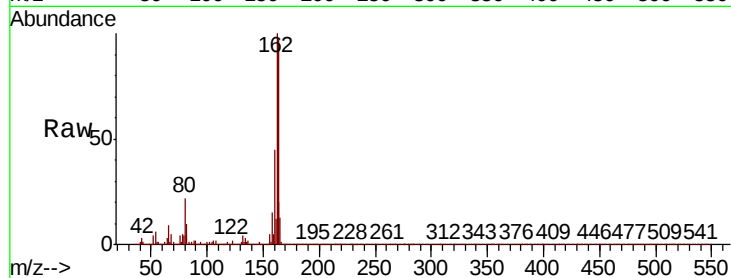
Tot Ion:164 Resp: 356102

Ion Ratio Lower Upper

164 100

162 103.0 80.6 121.0

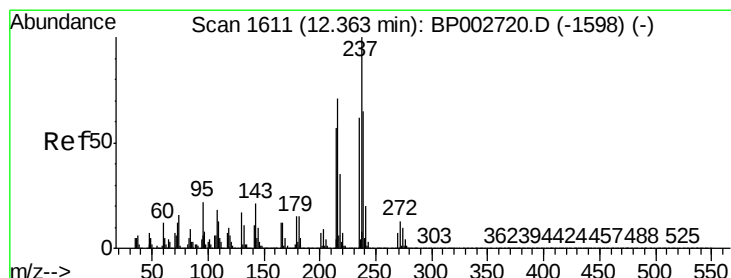
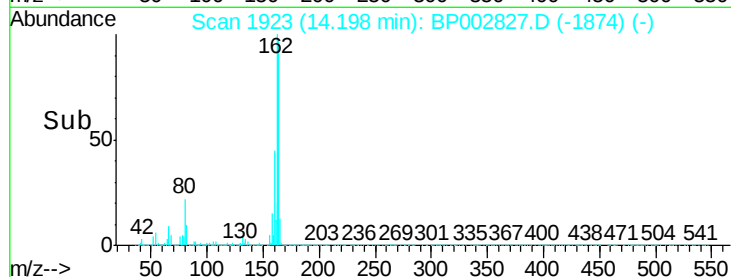
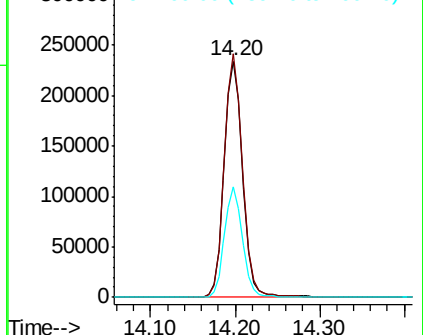
160 46.5 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

Hexachlorocyclopentadiene

Concen: 7.439 ng

RT: 12.33 min Scan# 1605

Delta R.T. -0.04 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

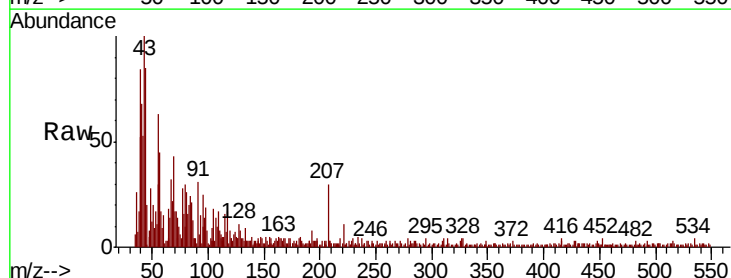
Tgt Ion:237 Resp: 25

Ion Ratio Lower Upper

237 100

235 72.7 42.3 82.3

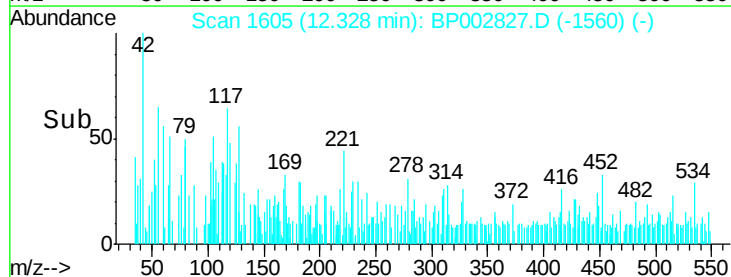
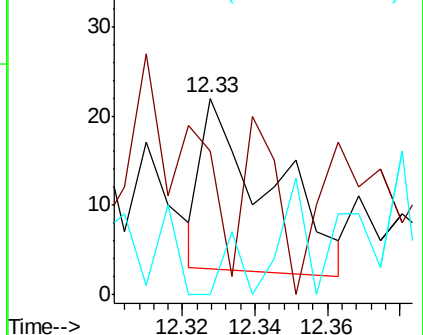
272 0.0 0.0 32.5

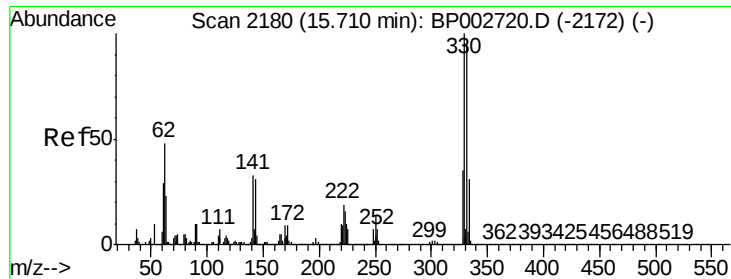


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

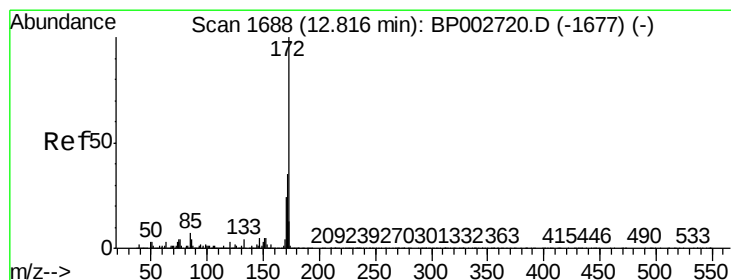
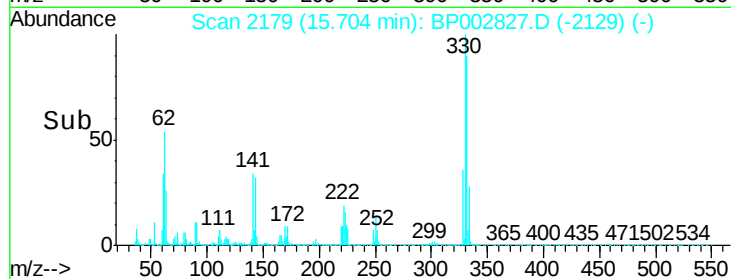
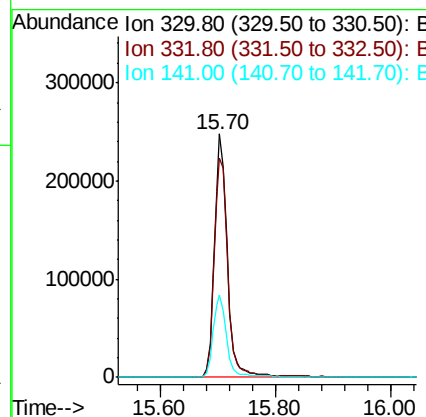
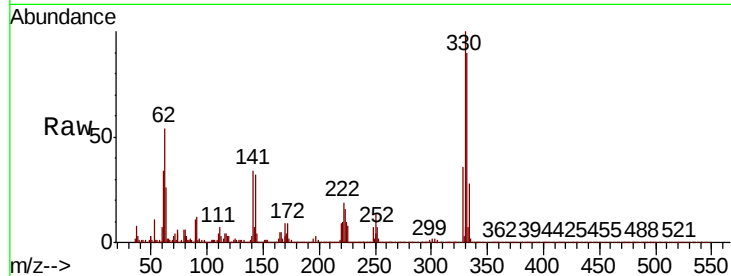




#42
 2,4,6-Tribromophenol
 Concen: 105.617 ng
 RT: 15.70 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BP002827.D
 Acq: 22 Jul 2020 16:23

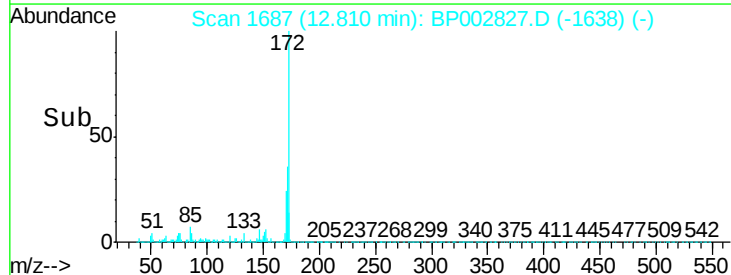
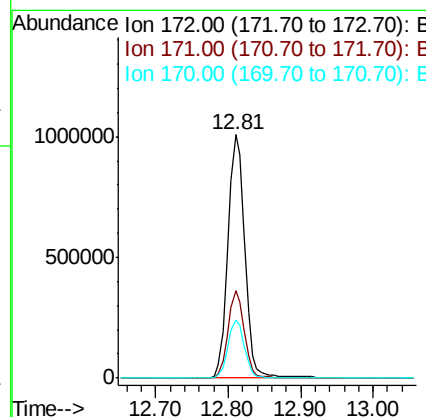
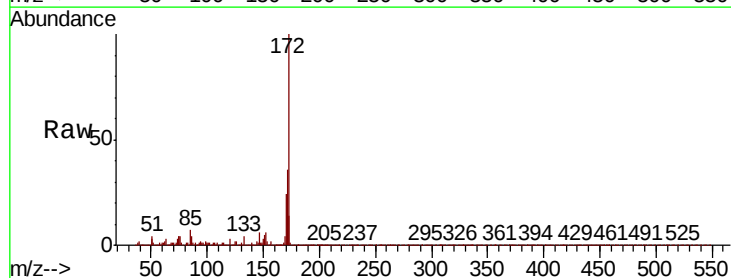
Instrument :
 BNA_P
 ClientSampleId :

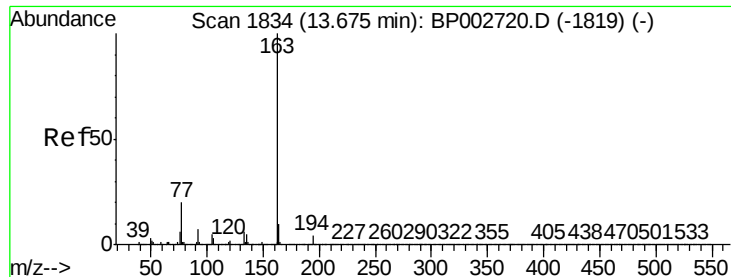
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.5	114.7
141	34.3	28.8	43.2



#45
 2-Fluorobiphenyl
 Concen: 71.545 ng
 RT: 12.81 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BP002827.D
 Acq: 22 Jul 2020 16:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.1	42.1
170	23.9	19.3	28.9

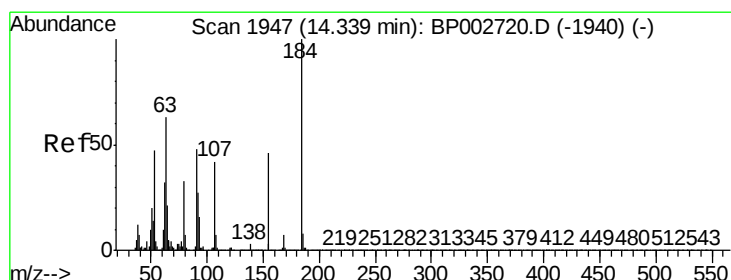
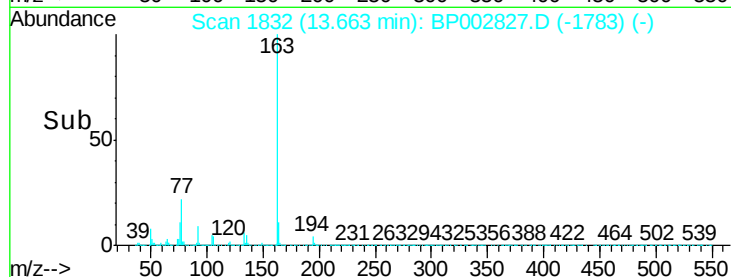
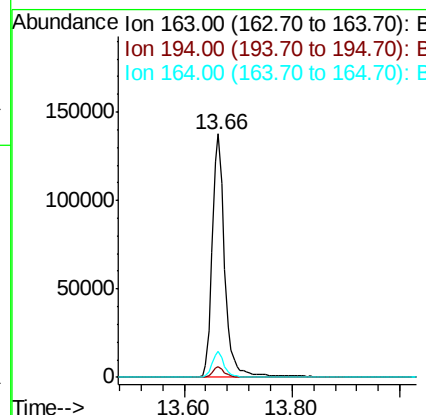
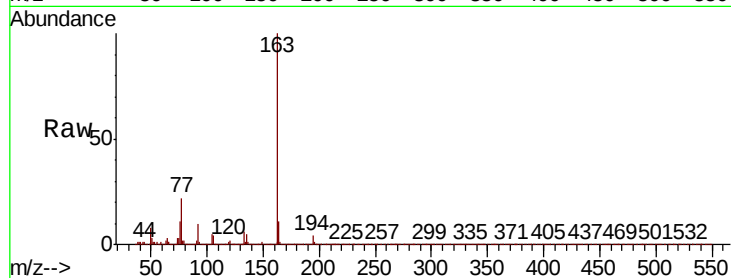




#50
Dimethylphthalate
Concen: 8.177 ng
RT: 13.66 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

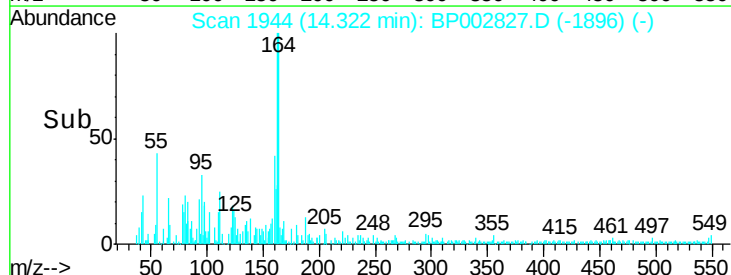
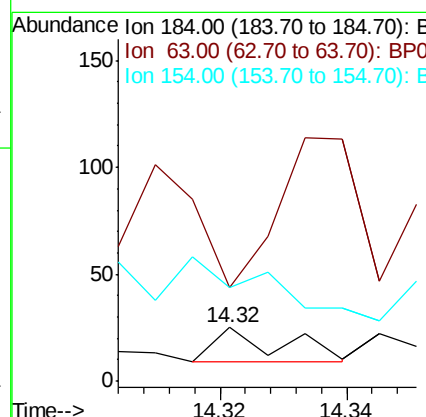
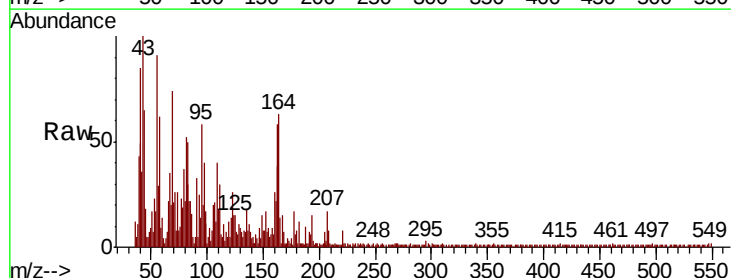
Instrument :
BNA_P
ClientSampleId :

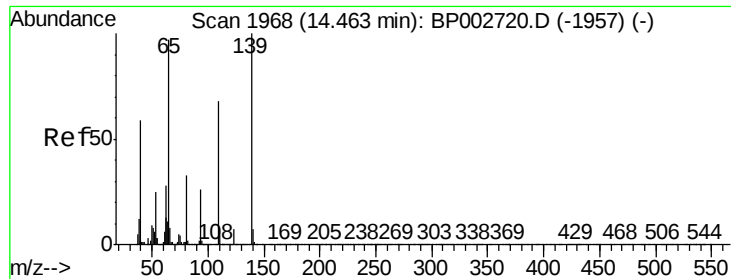
Tot Ion:163 Resp: 222056
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.5 7.8 11.8



#54
2,4-Dinitrophenol
Concen: 11.377 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.02 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion:184 Resp: 12
Ion Ratio Lower Upper
184 100
63 176.0 51.6 77.4#
154 176.0 45.0 67.6#

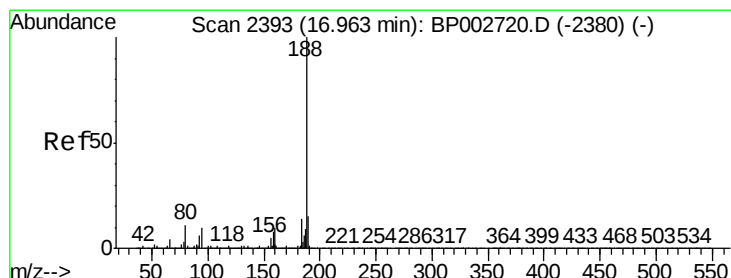
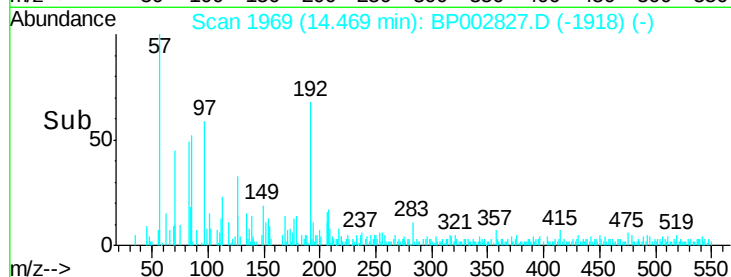
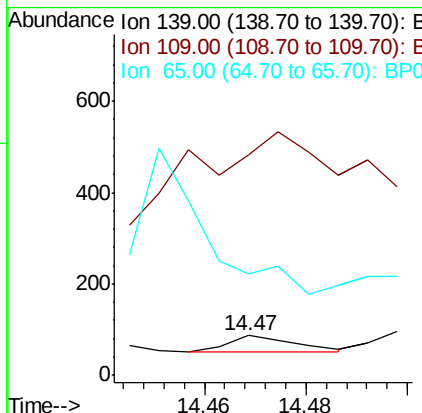
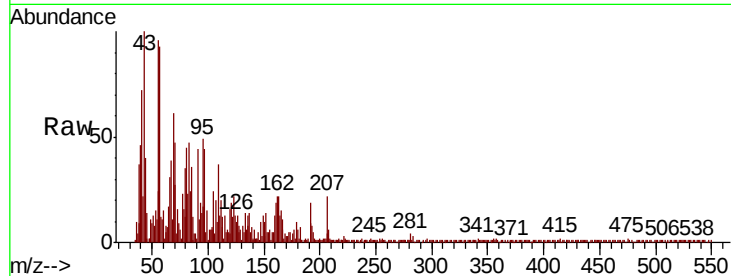




#56
4-Nitrophenol
Concen: 4.978 ng
RT: 14.47 min Scan# 1969
Delta R.T. -0.00 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

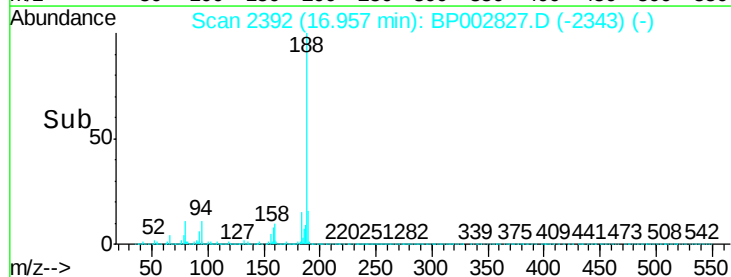
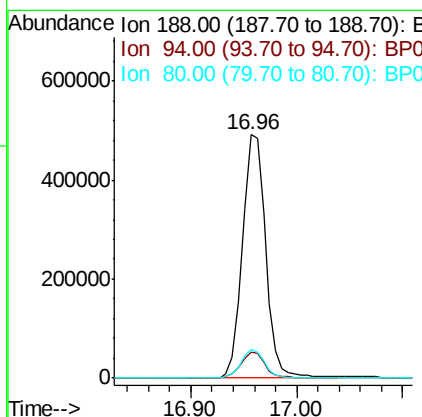
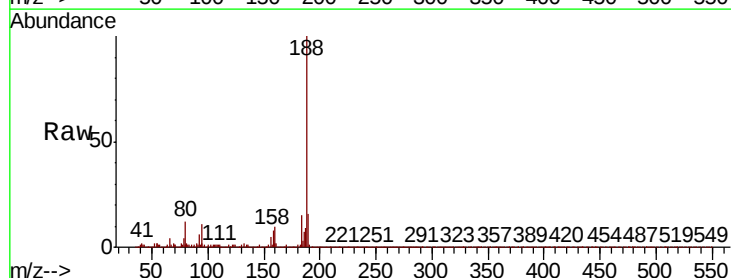
Instrument :
BNA_P
ClientSampleId :

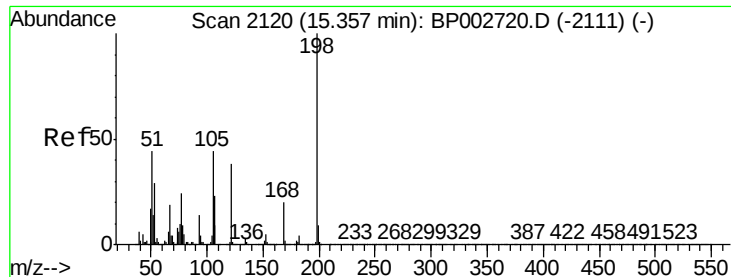
Tot Ion:139 Resp: 33
Ion Ratio Lower Upper
139 100
109 477.2 48.1 88.1#
65 219.8 77.9 117.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion:188 Resp: 749089
Ion Ratio Lower Upper
188 100
94 10.8 8.1 12.1
80 11.5 8.9 13.3

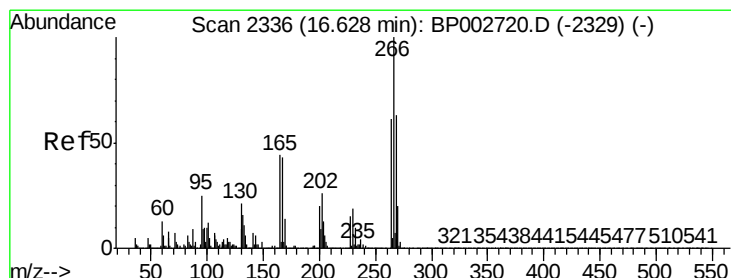
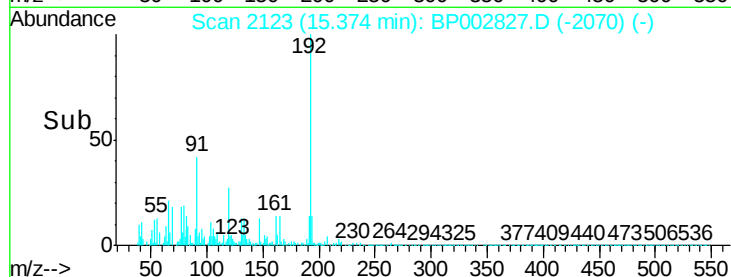
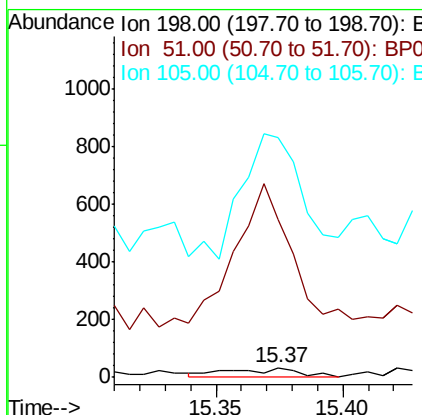
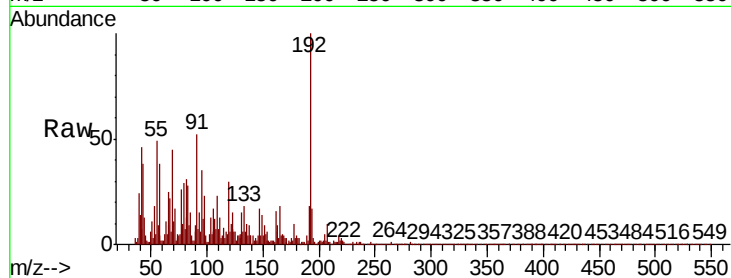




#65
4,6-Dinitro-2-methylphenol
Concen: 5.279 ng
RT: 15.37 min Scan# 2123
Delta R.T. 0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

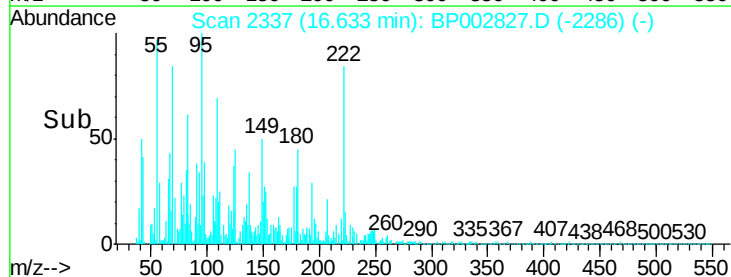
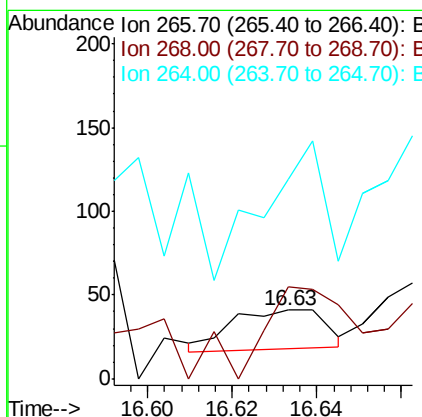
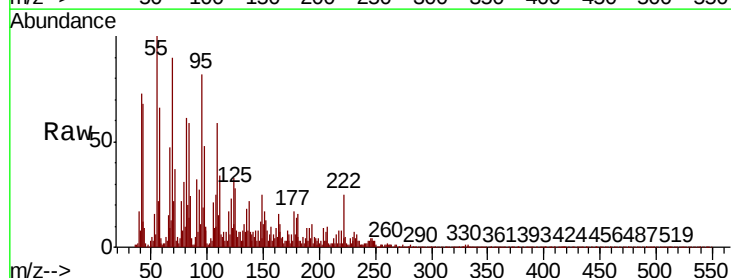
Instrument :
BNA_P
ClientSampled :

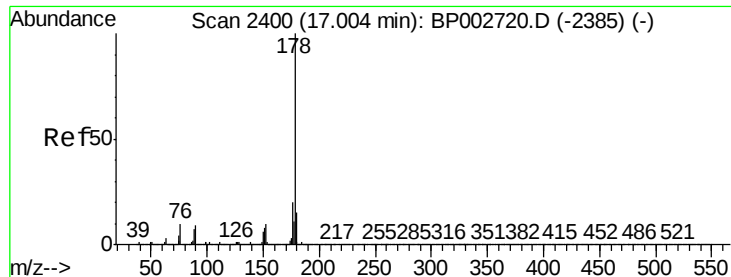
Tot Ion:198 Resp: 63
Ion Ratio Lower Upper
198 100
51 1611.8 27.1 67.1#
105 2447.1 24.9 64.9#



#70
Pentachlorophenol
Concen: 7.449 ng
RT: 16.63 min Scan# 2337
Delta R.T. -0.00 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion:266 Resp: 36
Ion Ratio Lower Upper
266 100
268 134.1 50.6 75.8#
264 290.2 48.6 72.8#





#71

Phenanthrene

Concen: 2.190 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

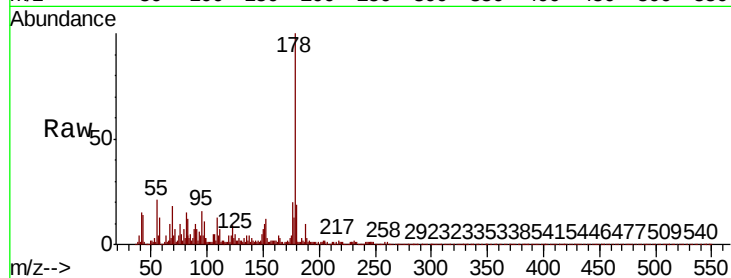
Tot Ion:178 Resp: 88815

Ion Ratio Lower Upper

178 100

176 20.1 15.9 23.9

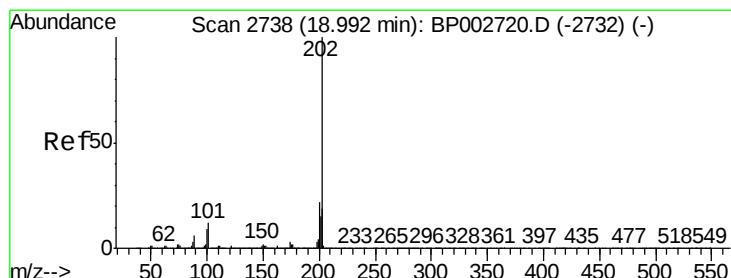
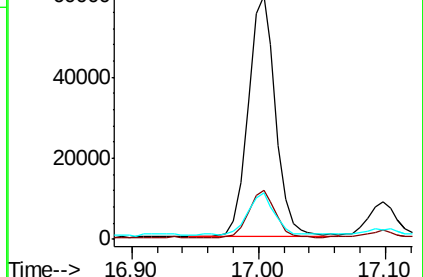
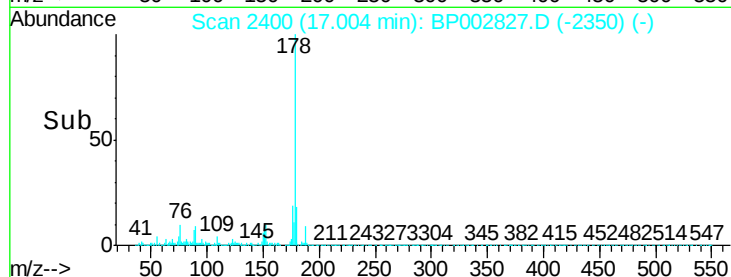
179 19.3 12.3 18.5#



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: 6.606 ng

RT: 18.99 min Scan# 2738

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

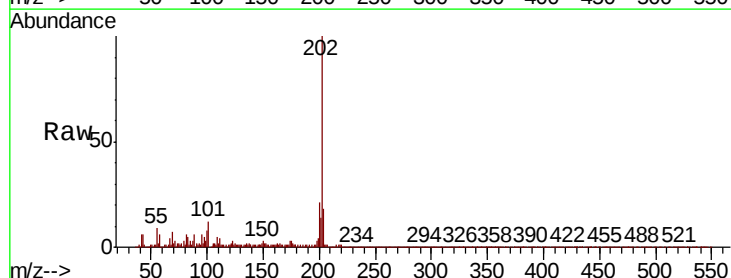
Tgt Ion:202 Resp: 310464

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.5

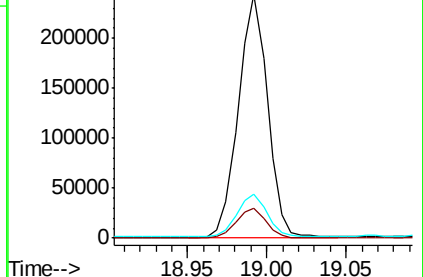
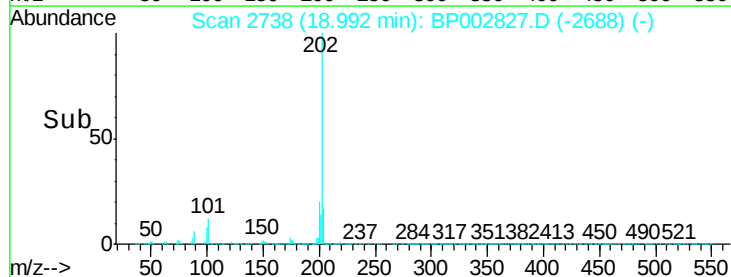
203 17.8 0.0 38.6

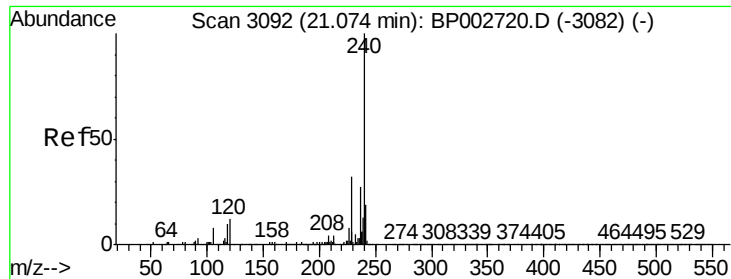


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

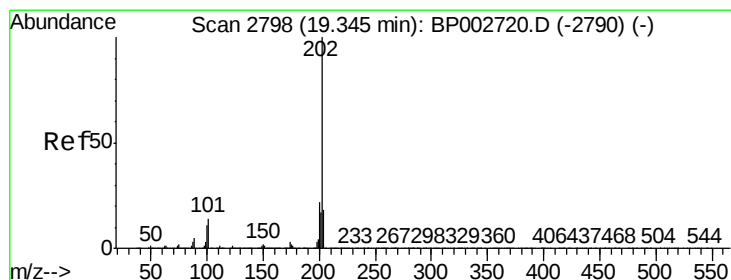
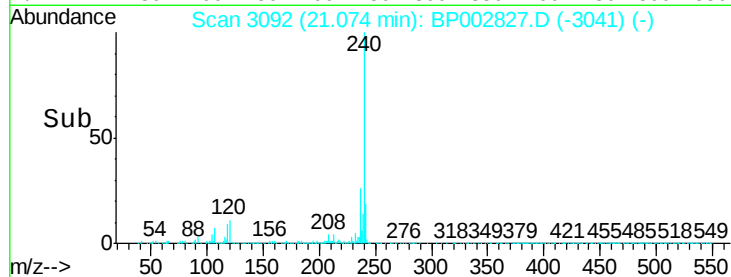
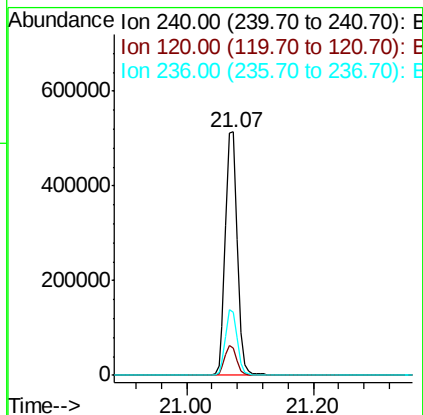
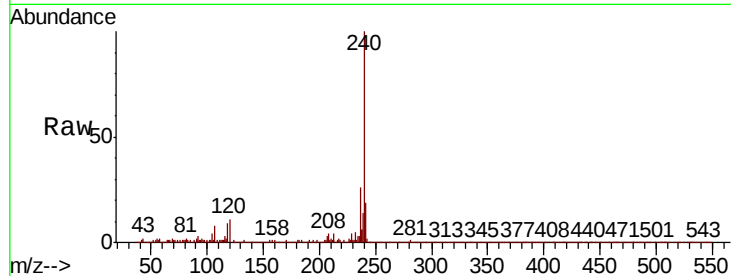




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.00 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

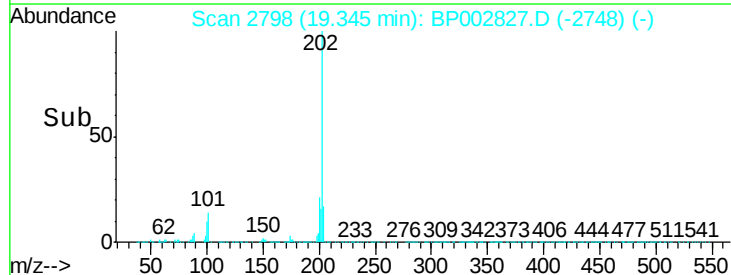
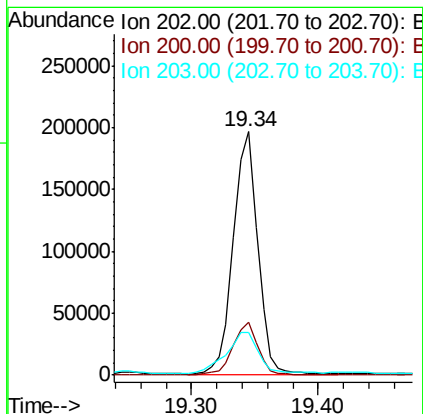
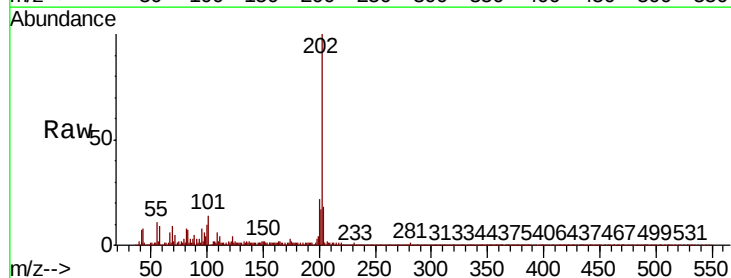
Instrument :
BNA_P
ClientSampleId :

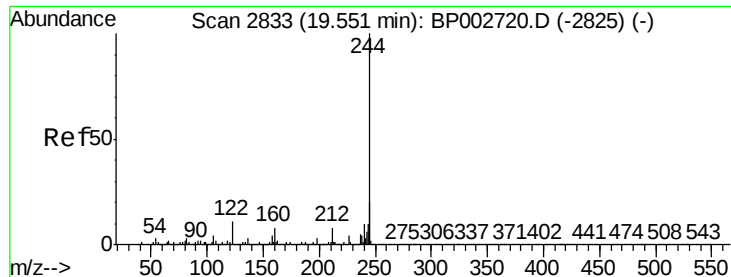
Tot Ion:240 Resp: 672680
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 25.7 21.3 31.9



#78
Pyrene
Concen: 5.607 ng
RT: 19.34 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BP002827.D
Acq: 22 Jul 2020 16:23

Tgt Ion:202 Resp: 260401
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 17.7 14.5 21.7





#79

Terphenyl-d14

Concen: 63.285 ng

RT: 19.55 min Scan# 2833

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

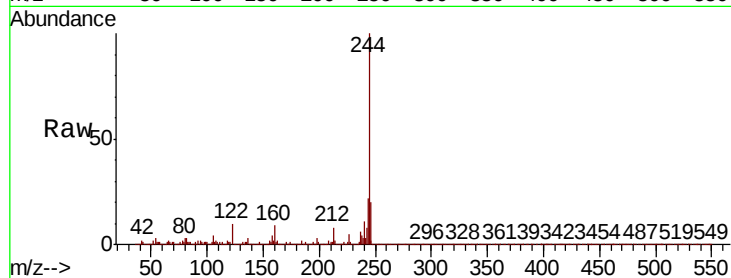
Tot Ion:244 Resp: 1856756

Ion Ratio Lower Upper

244 100

212 8.1 6.0 9.0

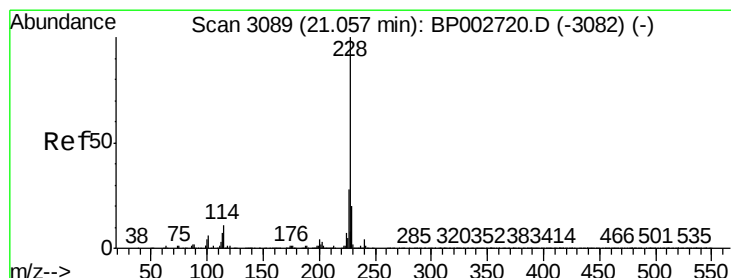
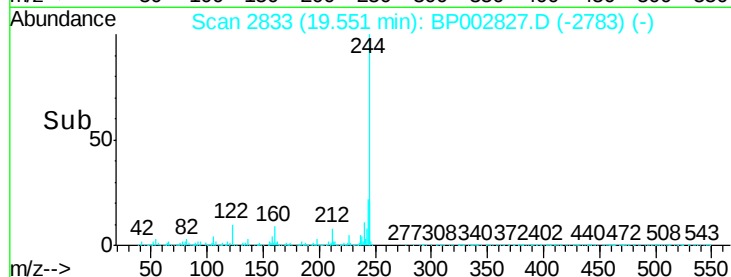
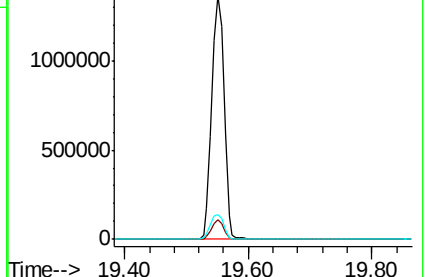
122 10.3 8.9 13.3



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: 2.826 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

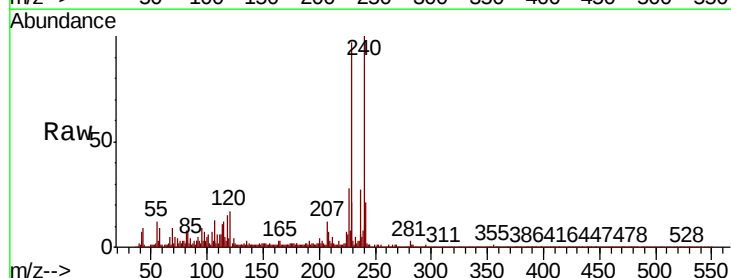
Tgt Ion:228 Resp: 123052

Ion Ratio Lower Upper

228 100

226 28.5 22.6 34.0

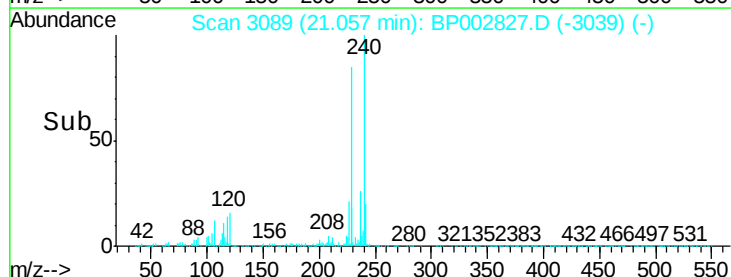
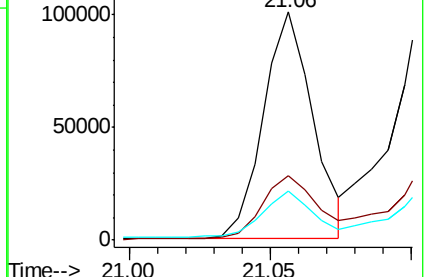
229 21.6 16.0 24.0

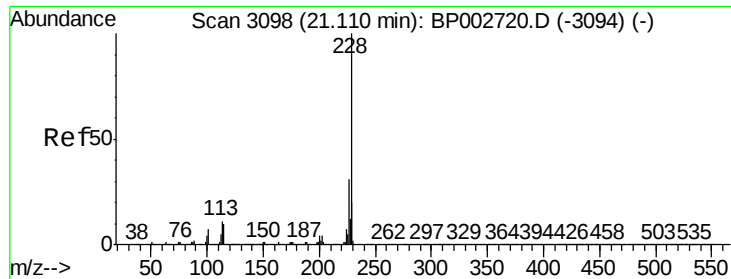


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.088 ng

RT: 21.10 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

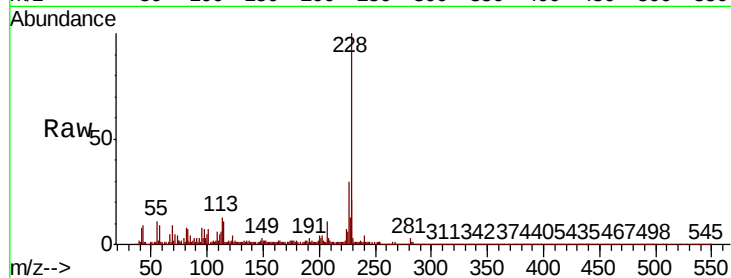
Instrument :

BNA_P

ClientSampleId :

Tot Ion:228 Resp: 169455

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	21.1	15.7	23.5

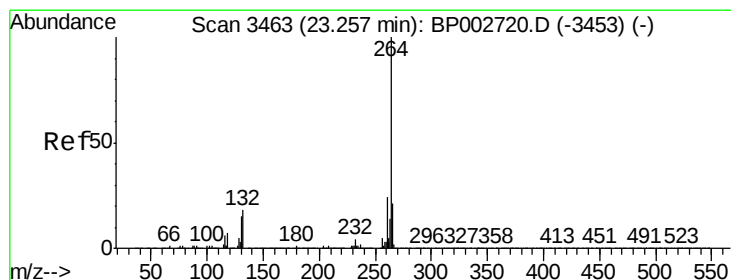
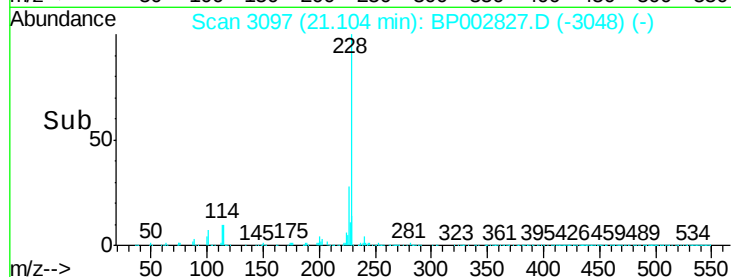
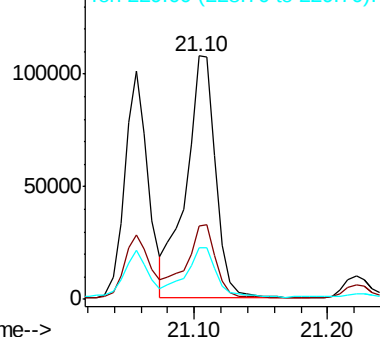


Abundance

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: 23.26 min Scan# 3464

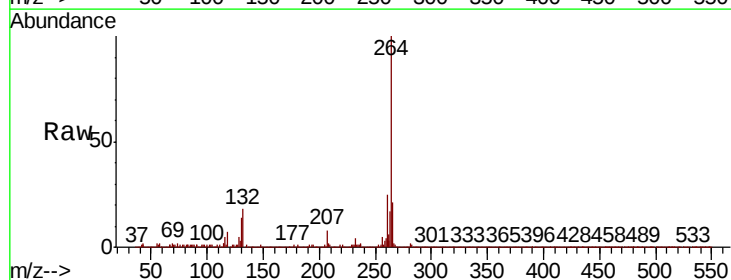
Delta R.T. -0.00 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Tgt Ion:264 Resp: 592151

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.3	28.9
265	21.4	16.8	25.2

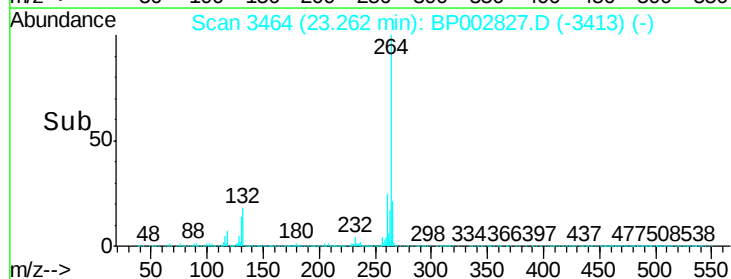
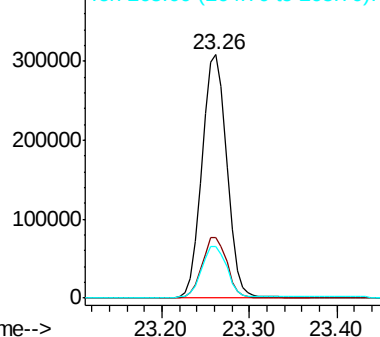


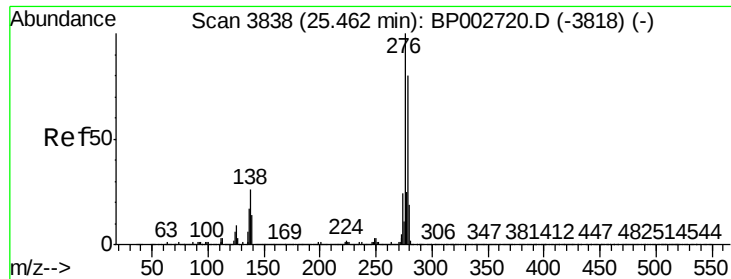
Abundance

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





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.118 ng

RT: 25.47 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampleId :

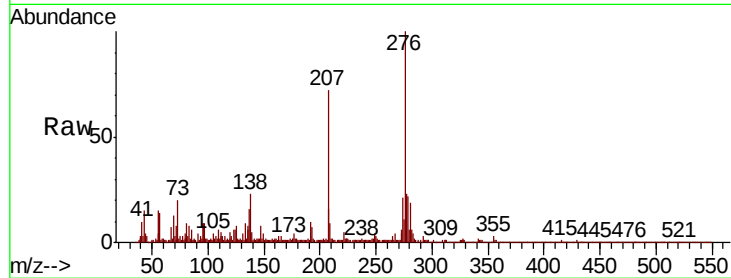
Tot Ion:276 Resp: 90630

Ion Ratio Lower Upper

276 100

138 22.3 20.8 31.2

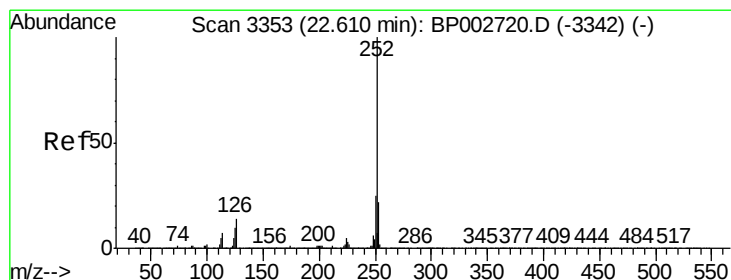
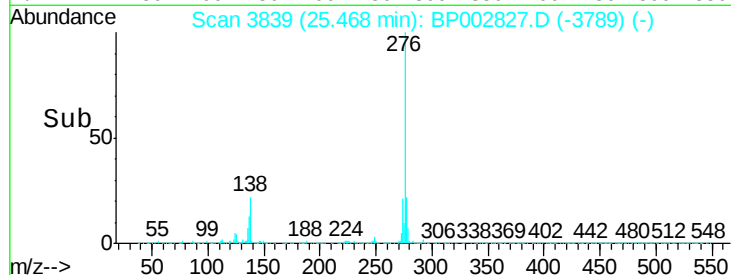
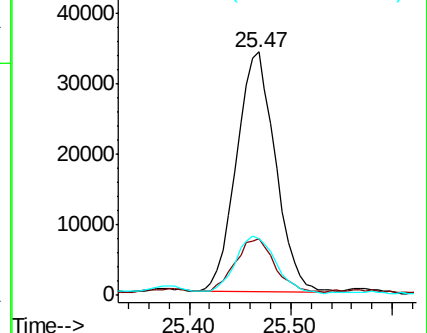
277 24.6 20.0 30.0



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: 6.194 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

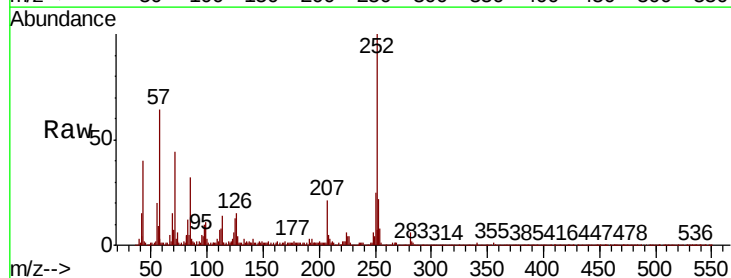
Tgt Ion:252 Resp: 227731

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

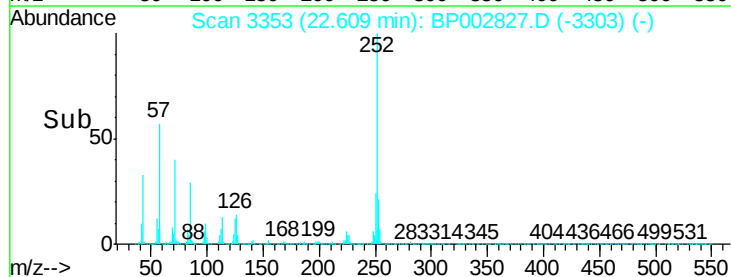
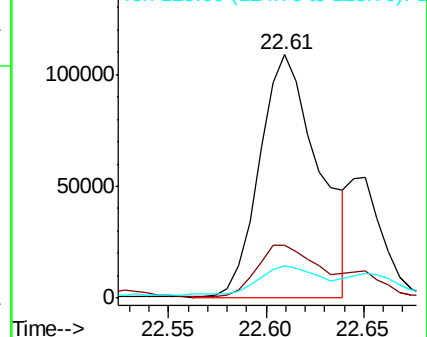
125 13.4 8.2 12.2#

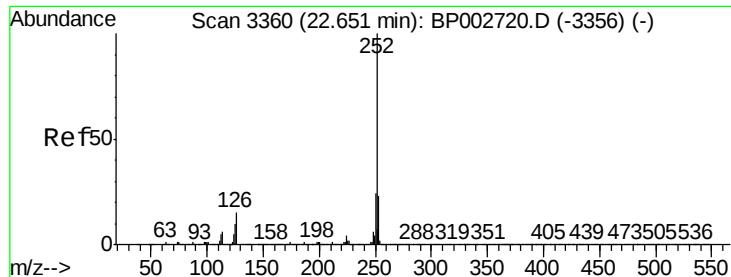


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.288 ng

RT: 22.61 min Scan# 3353

Delta R.T. -0.05 min

Lab File: BP002827.D

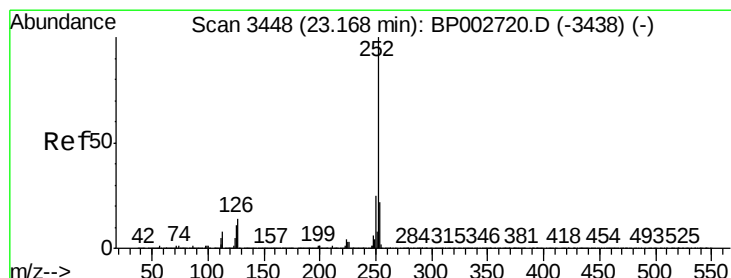
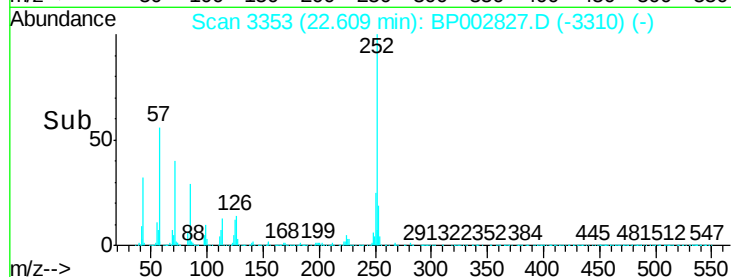
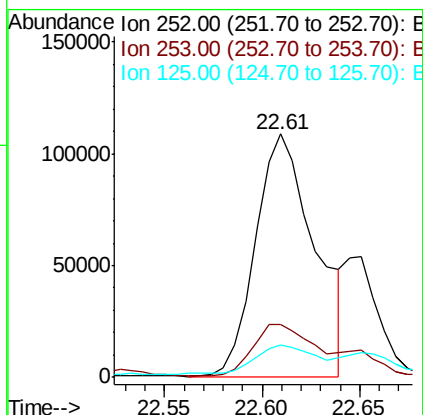
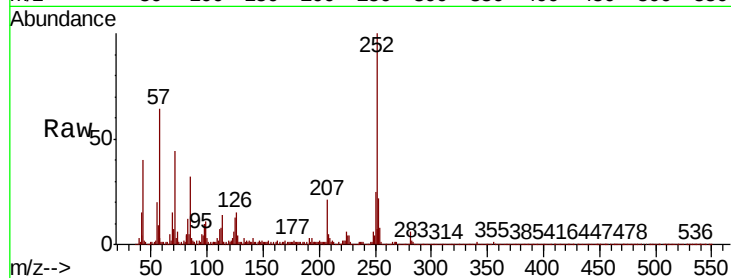
Acq: 22 Jul 2020 16:23

Instrument :

BNA_P

ClientSampled :

Tot Ion:	252	Resp:	227731
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	13.4	8.3	12.5#



#90

Benzo(a)pyrene

Concen: 3.480 ng

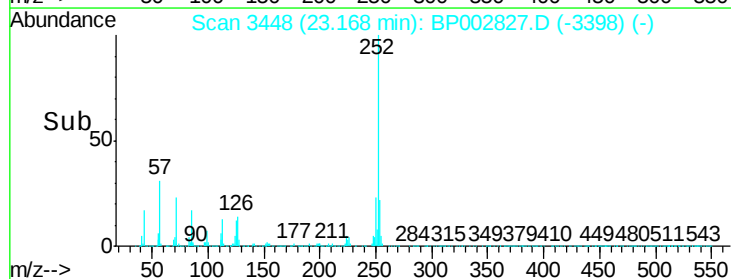
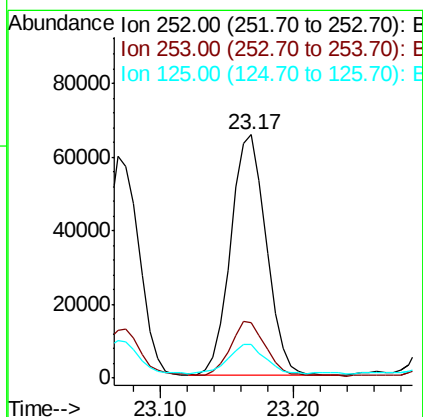
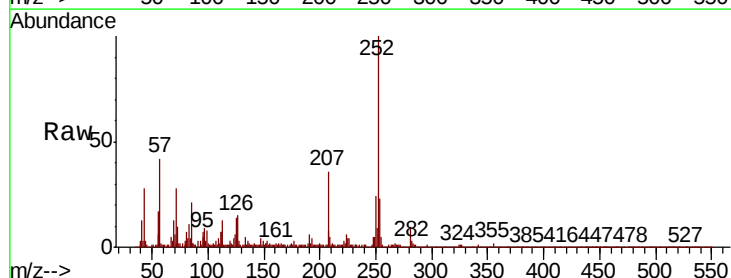
RT: 23.17 min Scan# 3448

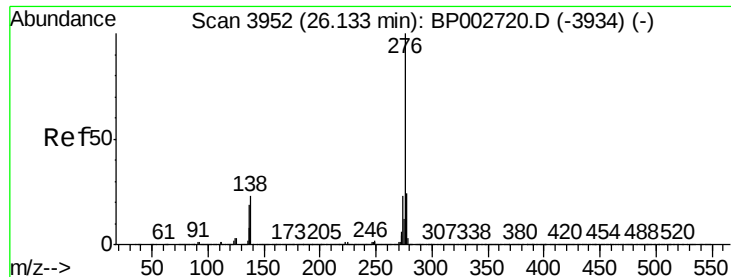
Delta R.T. -0.01 min

Lab File: BP002827.D

Acq: 22 Jul 2020 16:23

Tgt Ion:	252	Resp:	121243
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.6	26.4
125	13.9	8.6	13.0#

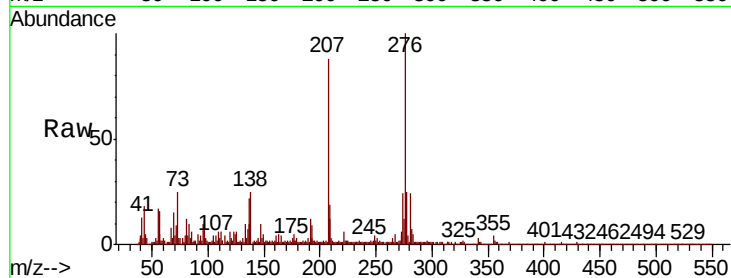




#92
 Benzo(a,h,i)perylene
 Concen: 2.559 ng
 RT: 26.14 min Scan# 3953
 Delta R.T. -0.01 min
 Lab File: BP002827.D
 Acq: 22 Jul 2020 16:23

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	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

