

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
 Data File : BP002468.D
 Acq On : 19 Jun 2020 20:33
 Operator : CG/JU
 Sample : L3035-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 1-SP-3-5

Quant Time: Jun 20 02:25:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	204775	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	859509	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	534109	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1180541	20.00	ng	0.00
76) Chrysene-d12	21.09	240	992273	20.00	ng	-0.02
86) Perylene-d12	23.29	264	840762	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	1236127	111.70	ng	0.00
7) Phenol-d6	6.77	99	1761400	119.55	ng	0.00
23) Nitrobenzene-d5	8.73	82	1240015	86.16	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	651957	127.49	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	2539934	79.96	ng	0.00
79) Terphenyl-d14	19.58	244	3567400	96.00	ng	0.00

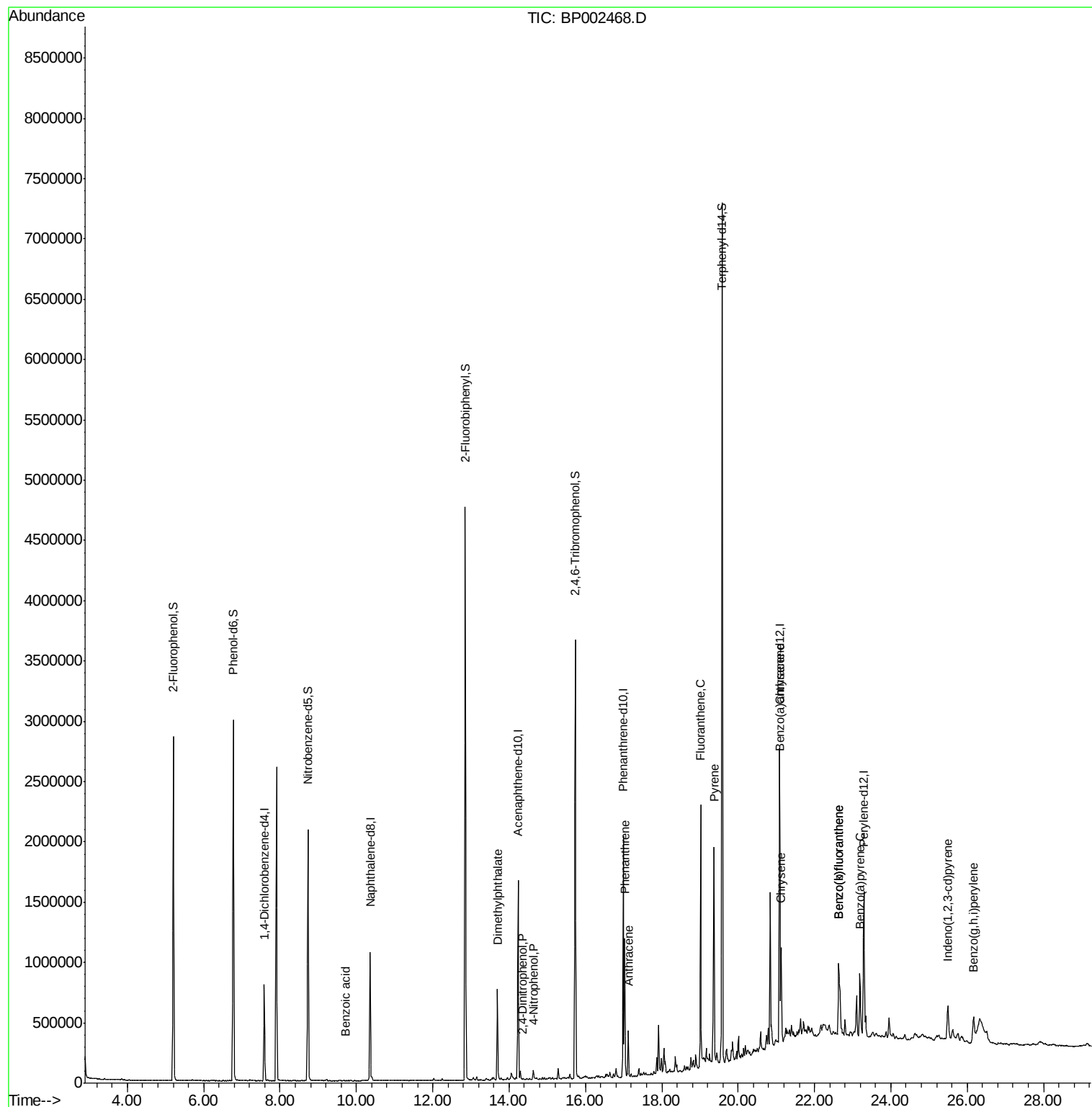
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	125	Below Cal	#	38
32) Benzoic acid	9.72	122	74	4.606 ng	#	22
50) Dimethylphthalate	13.69	163	483923	13.223 ng		100
54) 2,4-Dinitrophenol	14.36	184	22	2.790 ng	#	1
56) 4-Nitrophenol	14.63	139	15379	2.134 ng	#	10
61) 4-Chlorophenyl-phenylether	15.30	204	25	Below Cal	#	1
71) Phenanthrene	17.03	178	677819	12.274 ng		100
72) Anthracene	17.12	178	218786	3.988 ng		97
75) Fluoranthene	19.02	202	1203608	18.259 ng		99
78) Pyrene	19.37	202	1070079	17.606 ng		98
81) Benzo(a)anthracene	21.08	228	526022	9.287 ng		99
83) Chrysene	21.13	228	413229	7.701 ng		98
87) Indeno(1,2,3-cd)pyrene	25.49	276	239535	4.555 ng		97
88) Benzo(b)fluoranthene	22.64	252	666639	14.703 ng		98
89) Benzo(k)fluoranthene	22.64	252	666639	15.475 ng		98
90) Benzo(a)pyrene	23.19	252	370979	8.731 ng		97
92) Benzo(a,h,i)perylene	26.17	276	227408	5.205 ng		100

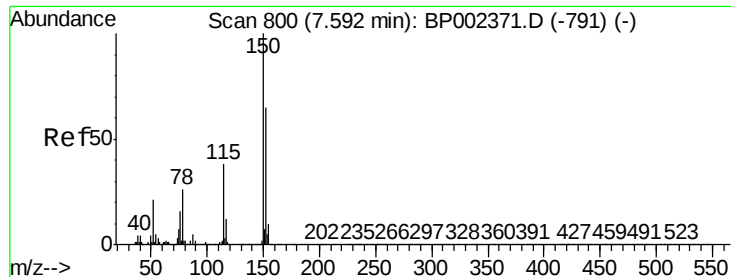
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.59 min Scan# 799

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

Instrument :

BNA_P

ClientSampleId :

1-SP-3-5

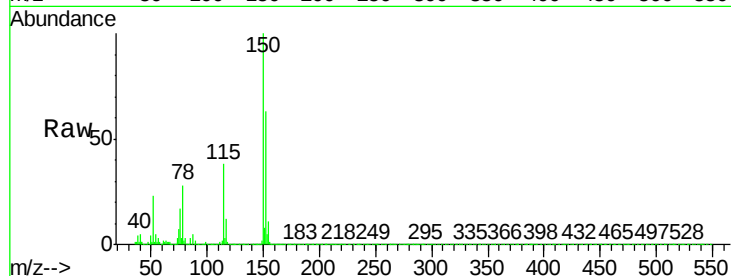
Tot Ion:152 Resp: 204775

Ion Ratio Lower Upper

152 100

150 157.8 124.0 186.0

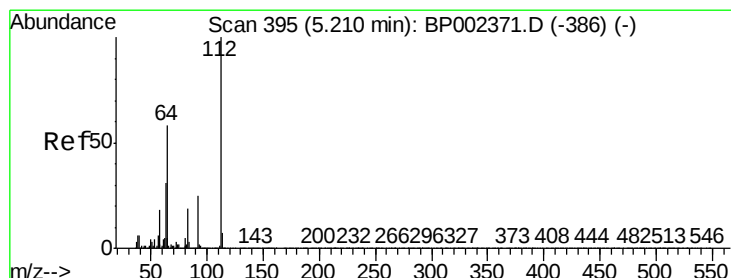
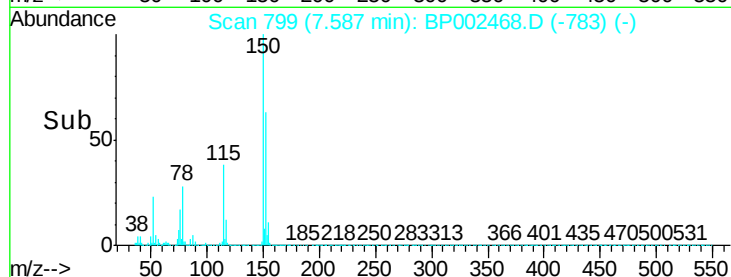
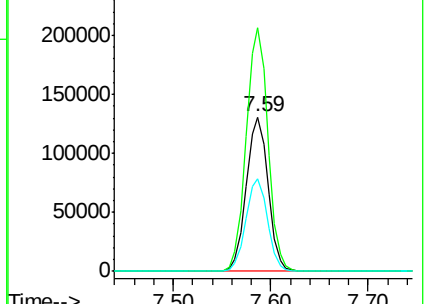
115 60.3 47.4 71.0



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: 111.700 ng

RT: 5.20 min Scan# 394

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

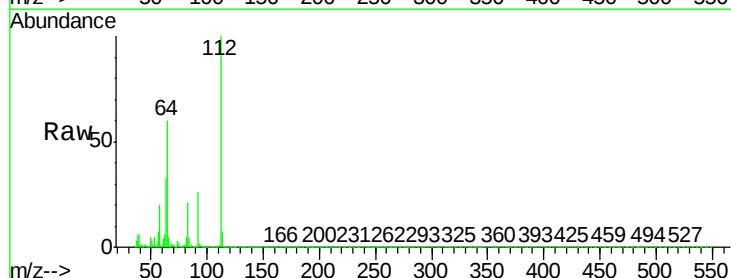
Tgt Ion:112 Resp: 1236127

Ion Ratio Lower Upper

112 100

64 59.9 46.2 69.2

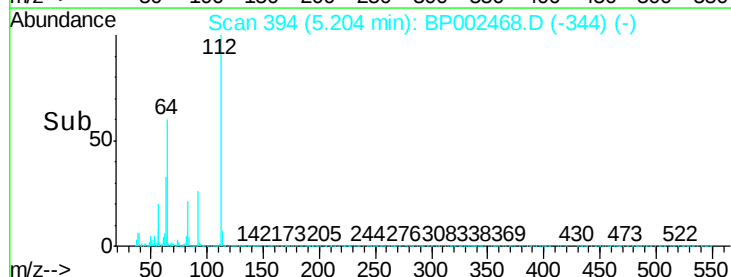
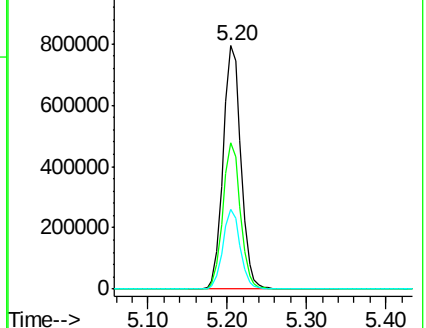
63 32.7 24.5 36.7

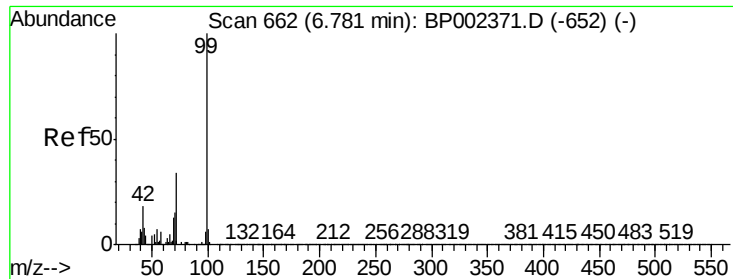


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 119.549 ng

RT: 6.77 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

Instrument :

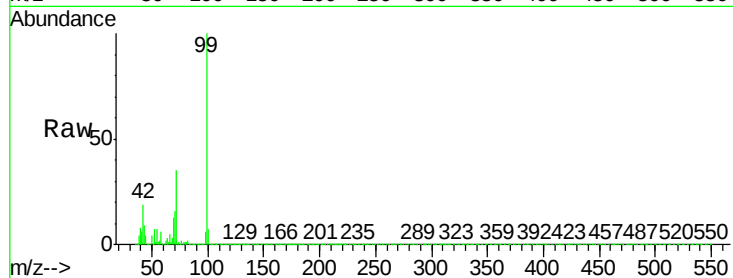
BNA_P

ClientSampleId :

1-SP-3-5

Tot Ion: 99 Resp: 1761400

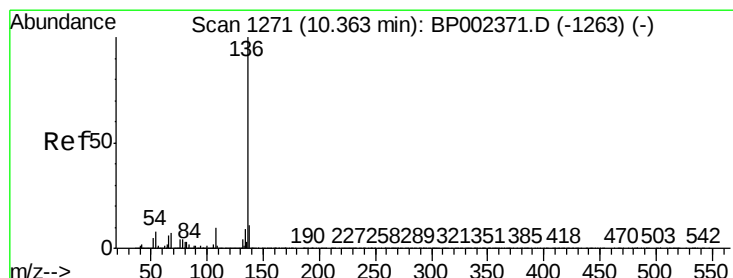
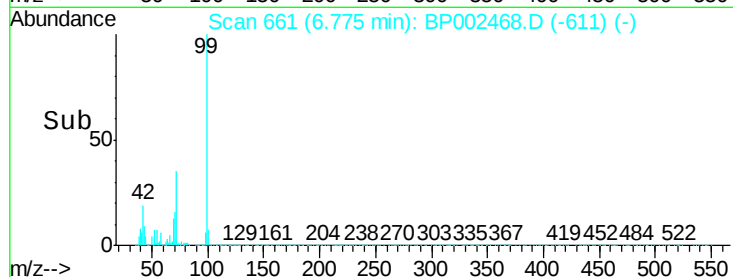
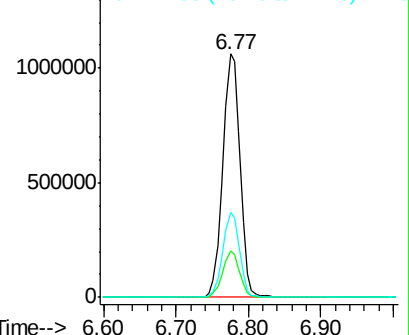
Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.6	22.0
71	35.1	27.2	40.8



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: 10.36 min Scan# 1270

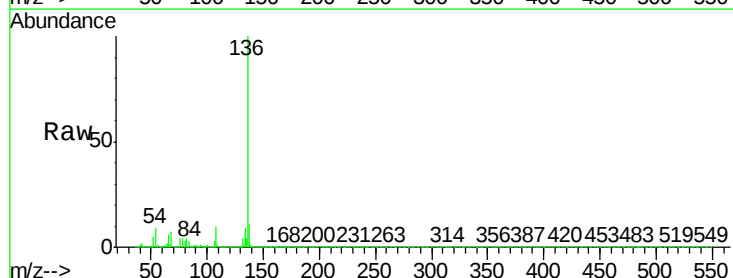
Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

Tgt Ion: 136 Resp: 859509

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.6	6.4	9.6
68	6.9	5.6	8.4

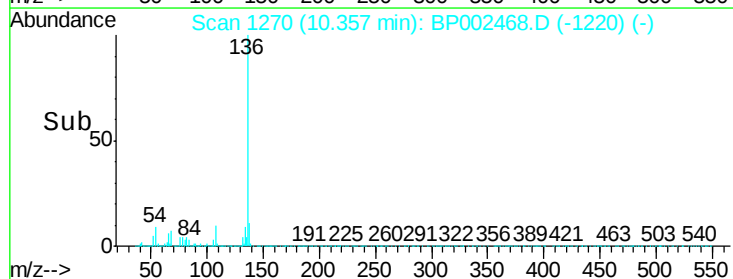
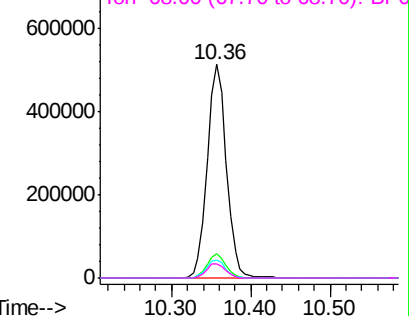


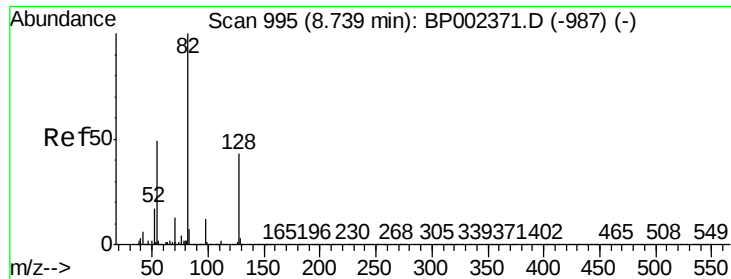
Abundance Ion 136.00 (135.70 to 136.70): E

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

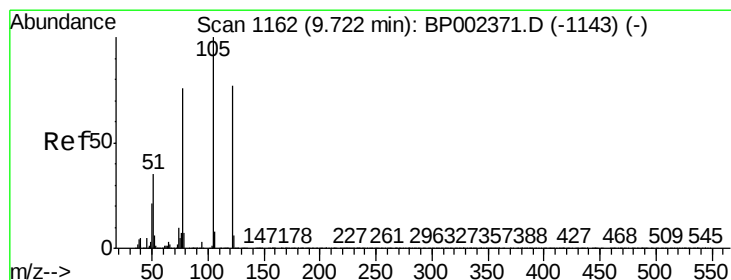
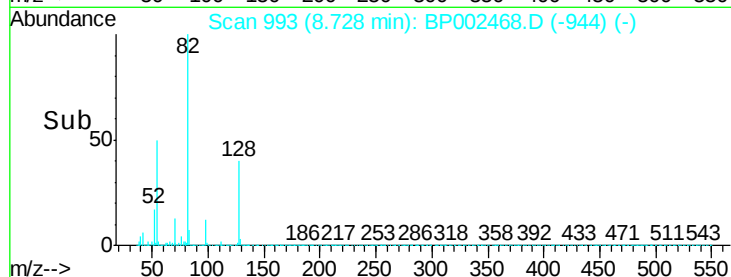
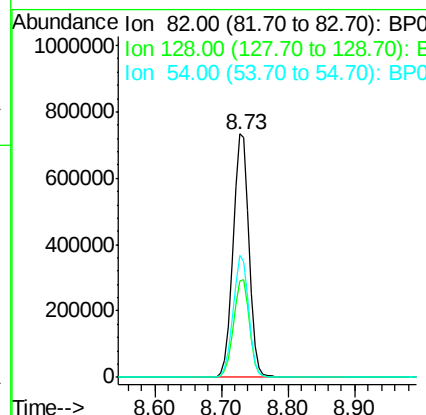
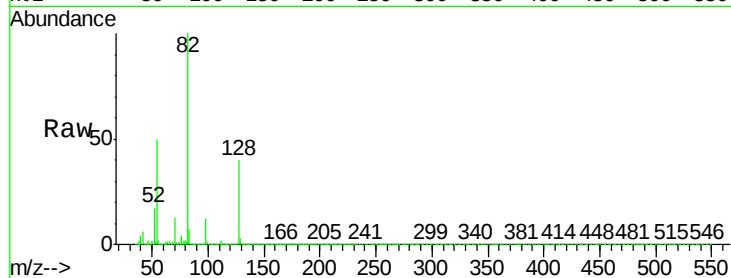




#23
 Nitrobenzene-d5
 Concen: 86.157 ng
 RT: 8.73 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BP002468.D
 Acq: 19 Jun 2020 20:33

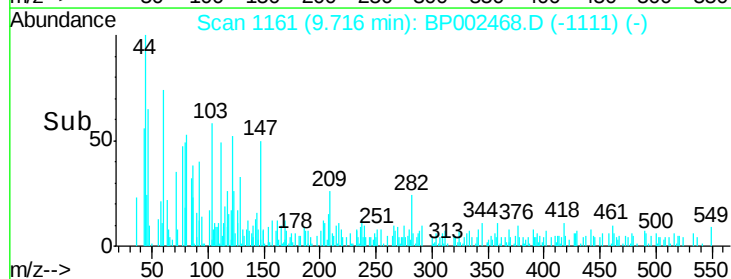
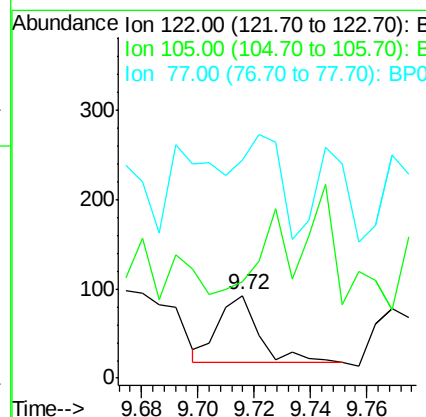
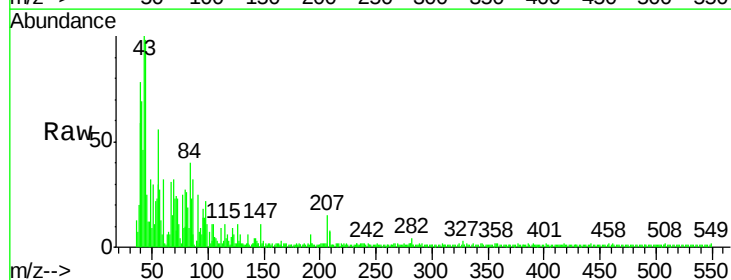
Instrument :
 BNA_P
 ClientSampleId :
 1-SP-3-5

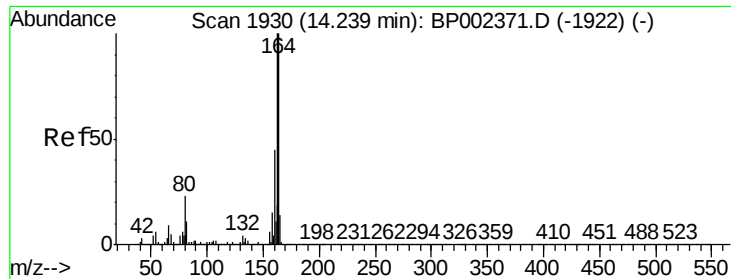
Tot Ion: 82 Resp: 1240015
 Ion Ratio Lower Upper
 82 100
 128 39.6 34.5 51.7
 54 49.9 39.4 59.2



#32
 Benzoic acid
 Concen: 4.606 ng
 RT: 9.72 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BP002468.D
 Acq: 19 Jun 2020 20:33

Tgt Ion: 122 Resp: 74
 Ion Ratio Lower Upper
 122 100
 105 116.1 106.3 146.3
 77 263.4 77.5 117.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1929

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

Instrument :

BNA_P

ClientSampleId :

1-SP-3-5

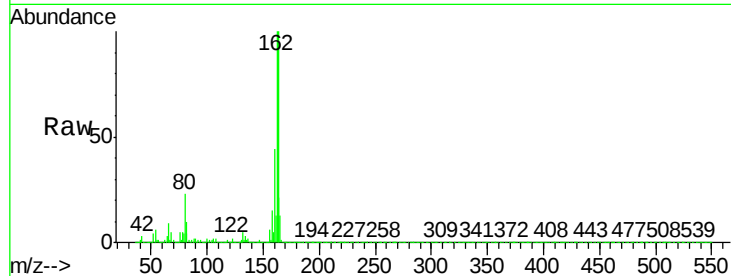
Tot Ion:164 Resp: 534109

Ion Ratio Lower Upper

164 100

162 99.7 79.8 119.8

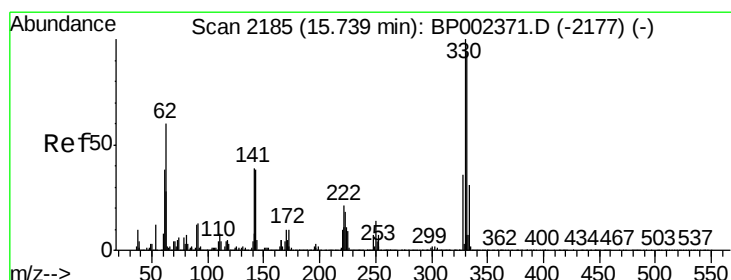
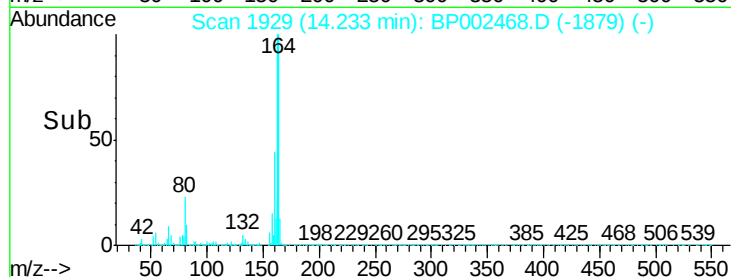
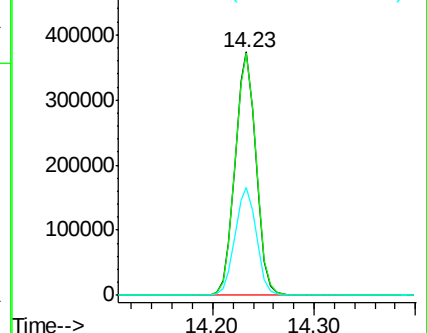
160 44.4 36.2 54.2



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



#42

2,4,6-Tribromophenol

Concen: 127.492 ng

RT: 15.73 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

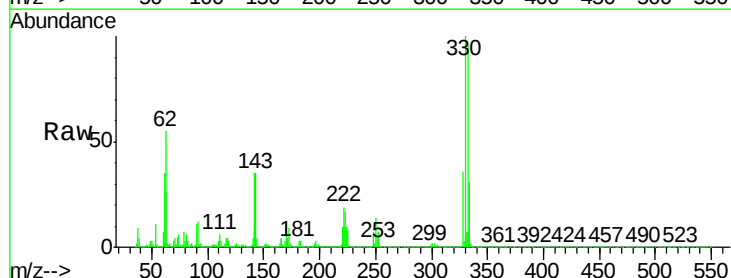
Tgt Ion:330 Resp: 651957

Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

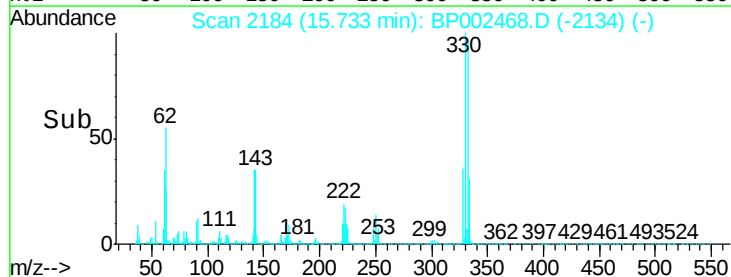
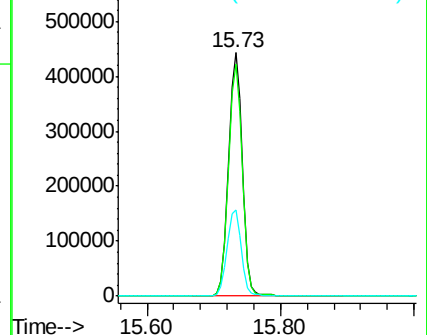
141 36.7 30.3 45.5

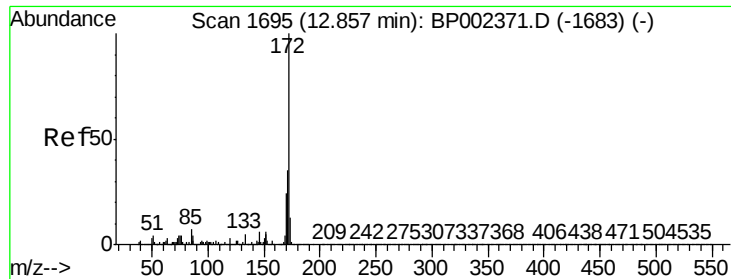


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

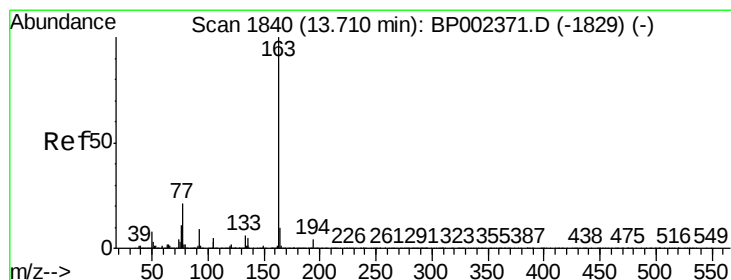
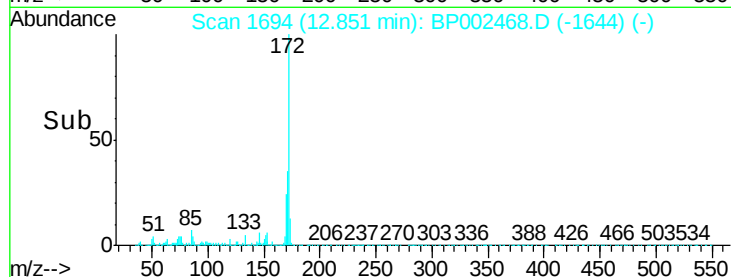
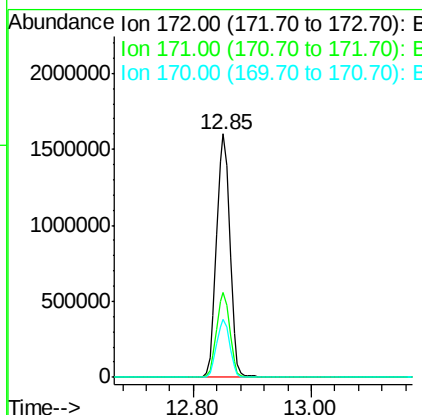
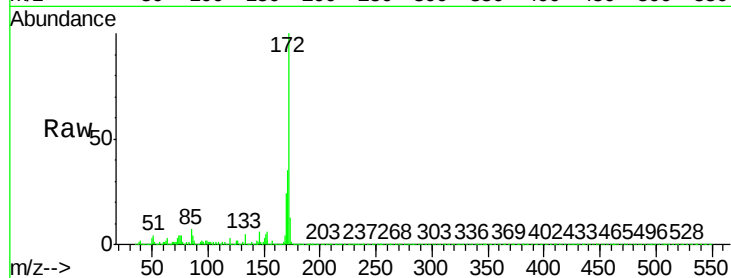




#45
2-Fluorobiphenyl
Concen: 79.959 ng
RT: 12.85 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

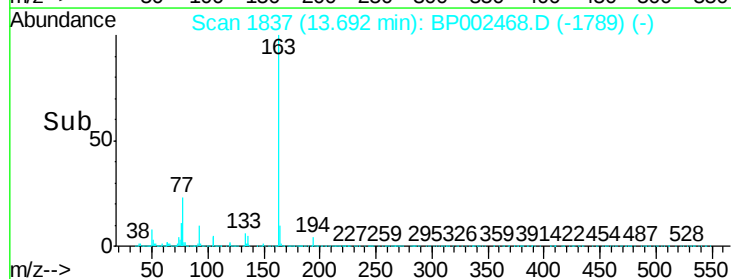
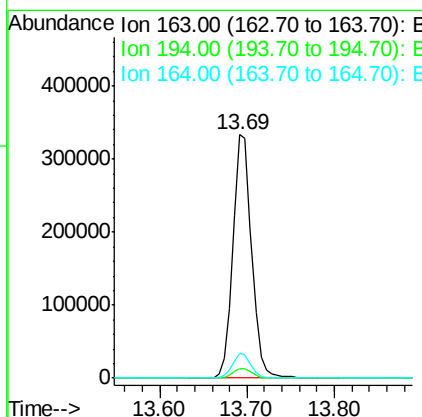
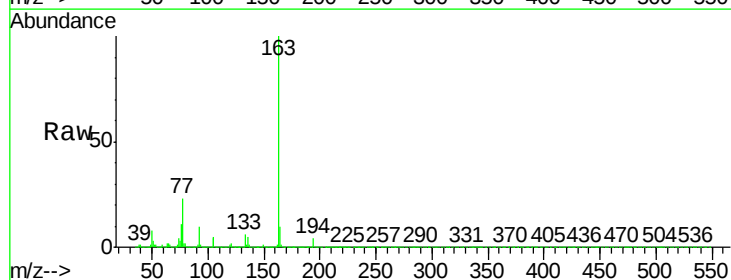
Instrument :
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1-SP-3-5

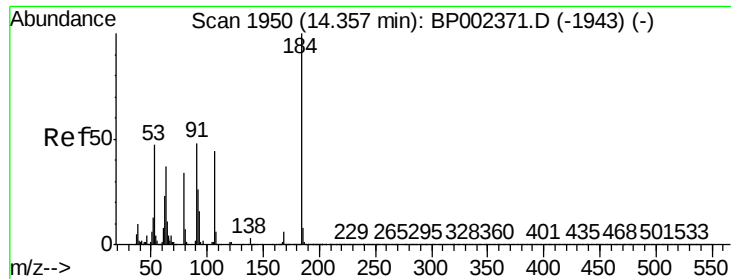
Tot Ion:172 Resp: 2539934
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.8 19.0 28.6



#50
Dimethylphthalate
Concen: 13.223 ng
RT: 13.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

Tgt Ion:163 Resp: 483923
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 10.2 8.1 12.1

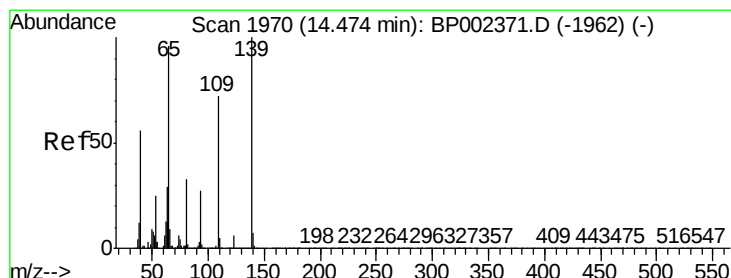
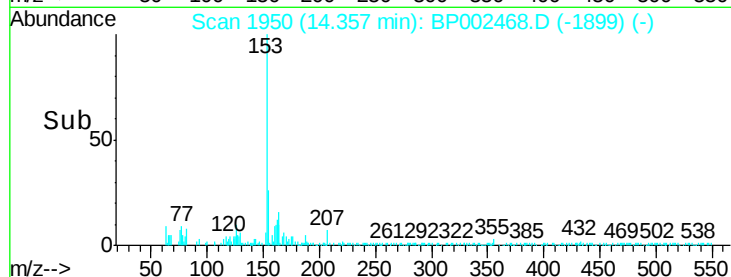
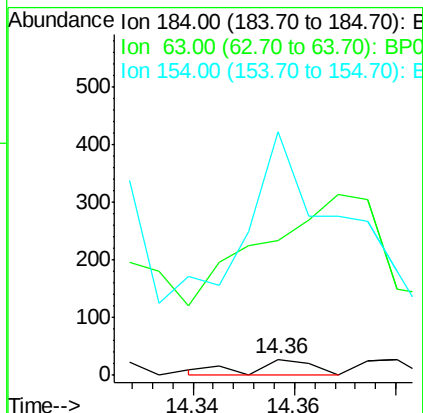
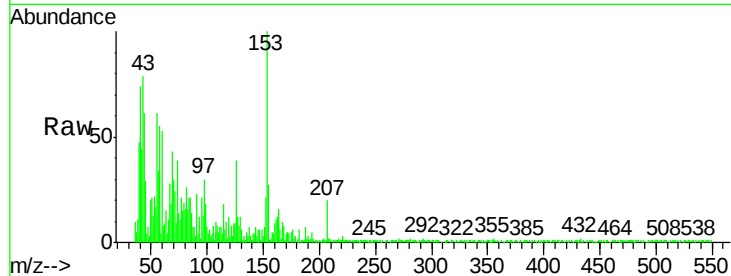




#54
2,4-Dinitrophenol
Concen: 2.790 ng
RT: 14.36 min Scan# 1950
Delta R.T. 0.00 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

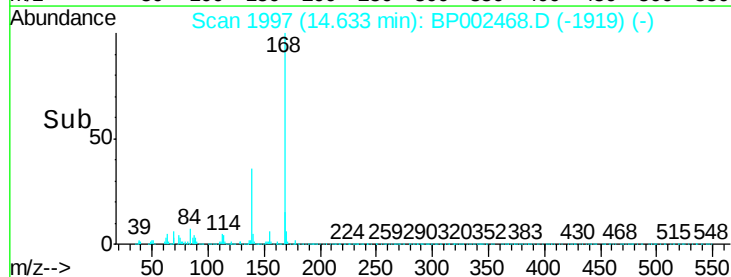
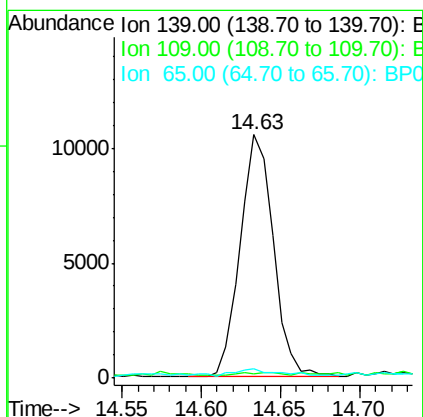
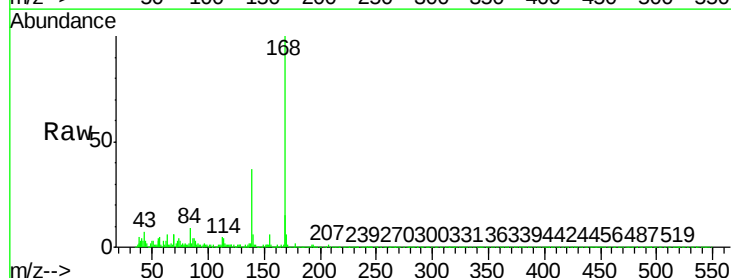
Instrument :
BNA_P
ClientSampled :
1-SP-3-5

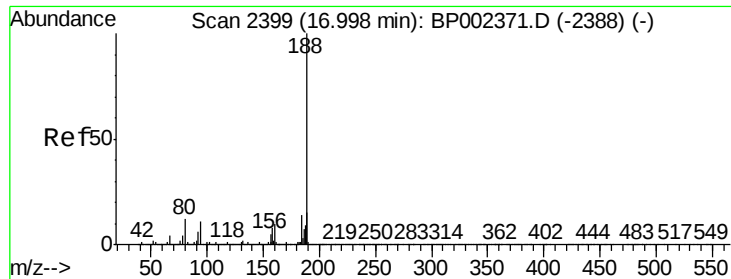
Tot Ion:184 Resp: 22
Ion Ratio Lower Upper
184 100
63 835.7 52.3 78.5#
154 1510.7 48.6 72.8#



#56
4-Nitrophenol
Concen: 2.134 ng
RT: 14.63 min Scan# 1997
Delta R.T. 0.16 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

Tgt Ion:139 Resp: 15379
Ion Ratio Lower Upper
139 100
109 2.0 52.0 92.0#
65 4.0 76.3 116.3#

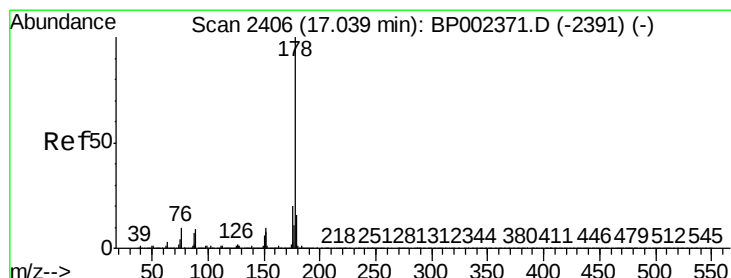
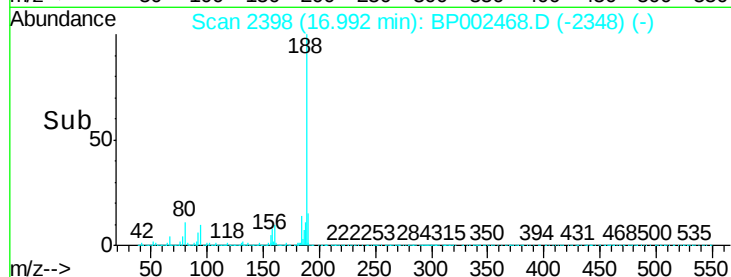
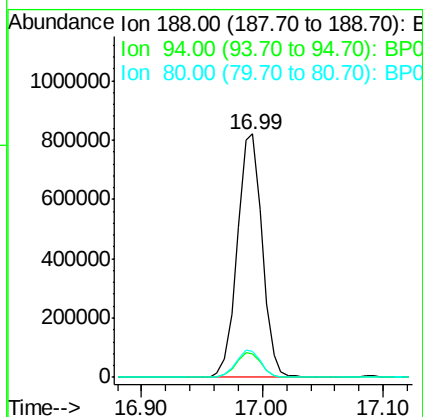
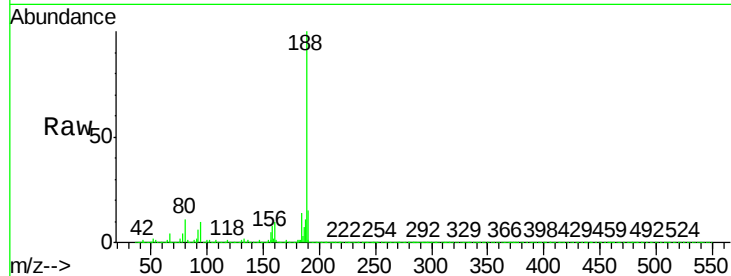




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

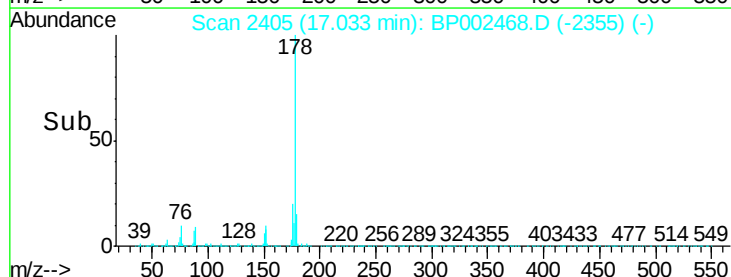
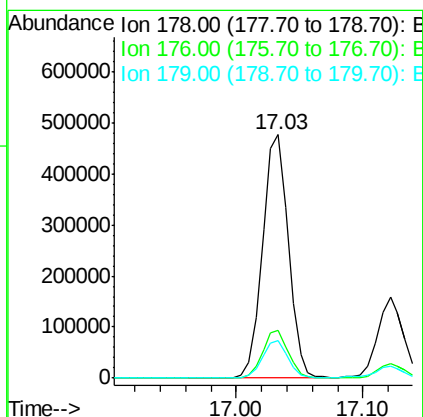
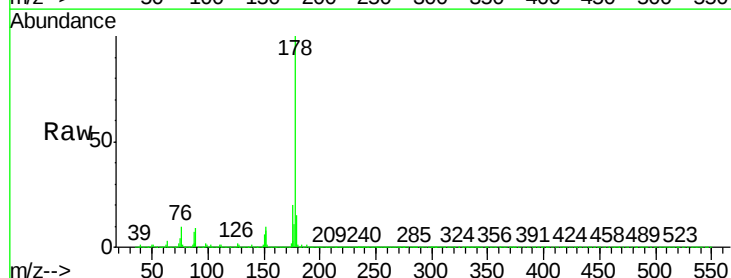
Instrument :
BNA_P
ClientSampled :
1-SP-3-5

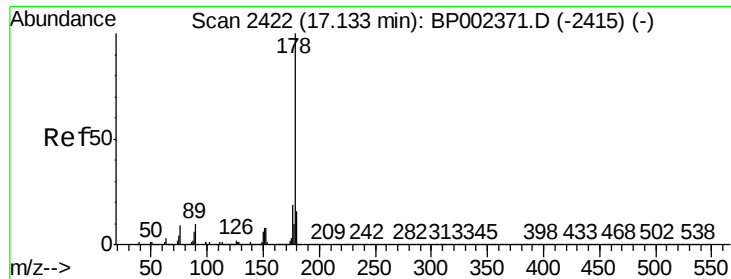
Tot Ion:188 Resp: 1180541
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.9 9.4 14.0



#71
Phenanthrene
Concen: 12.274 ng
RT: 17.03 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

Tgt Ion:178 Resp: 677819
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.4 12.5 18.7





#72

Anthracene

Concen: 3.988 ng

RT: 17.12 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

Instrument :

BNA_P

ClientSampleId :

1-SP-3-5

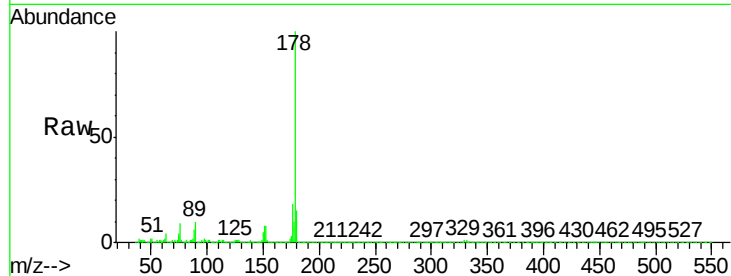
Tot Ion:178 Resp: 218786

Ion Ratio Lower Upper

178 100

176 17.9 15.5 23.3

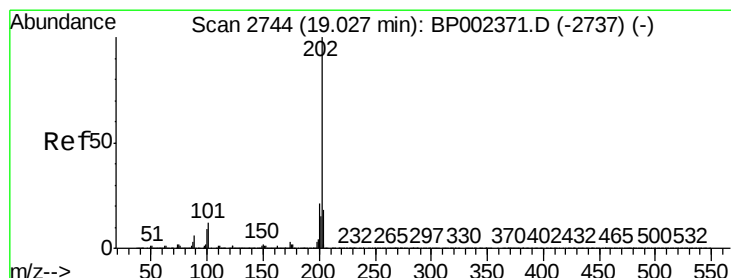
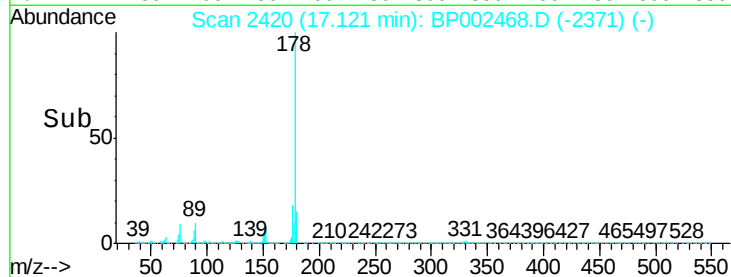
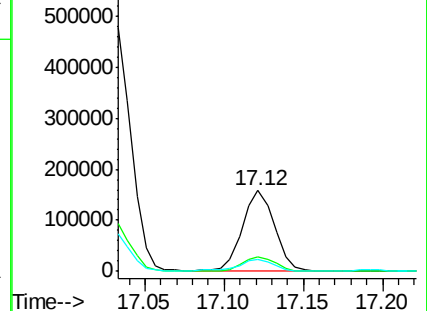
179 14.8 13.0 19.4



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: 18.259 ng

RT: 19.02 min Scan# 2742

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

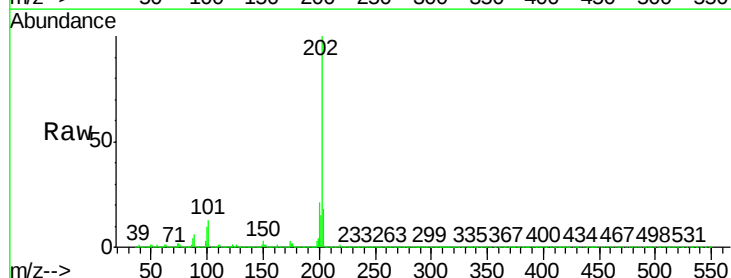
Tgt Ion:202 Resp: 1203608

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.8

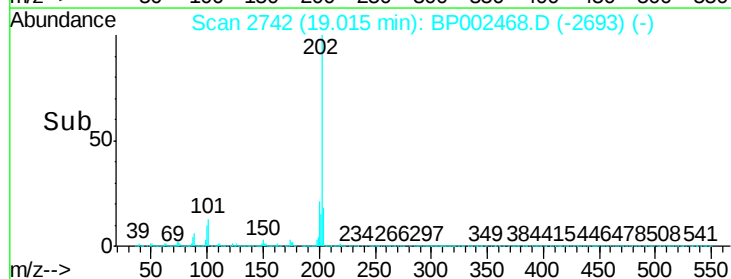
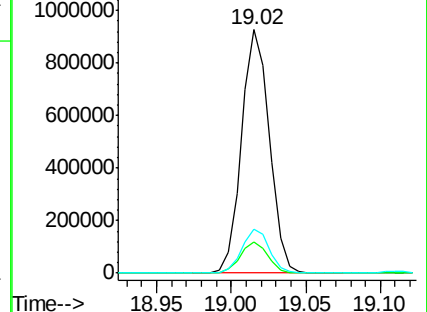
203 18.2 0.0 38.0

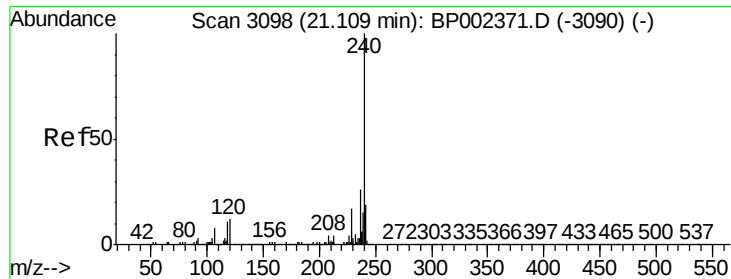


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

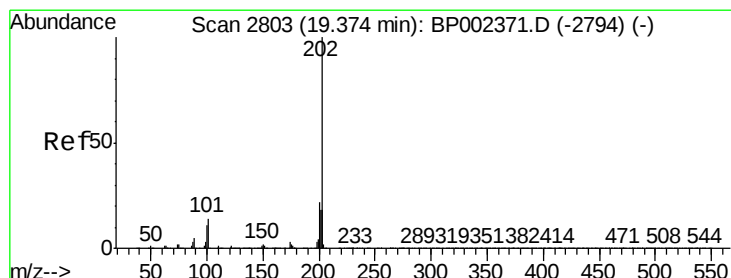
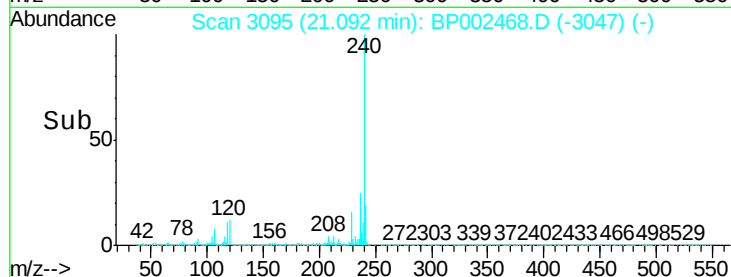
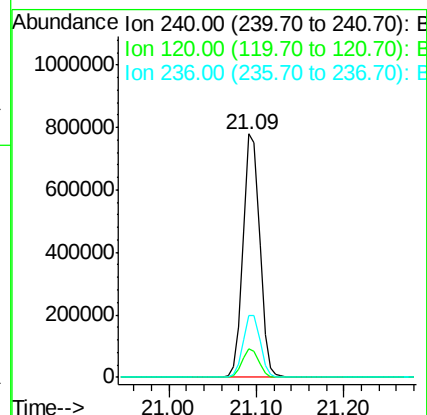
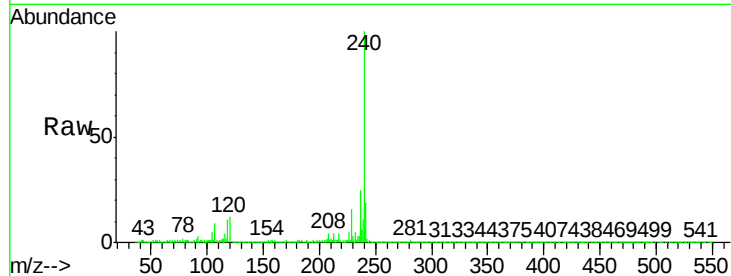




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

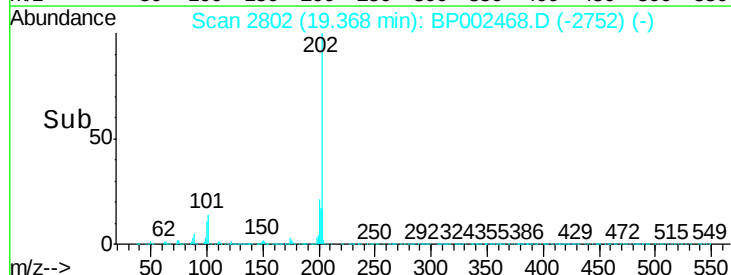
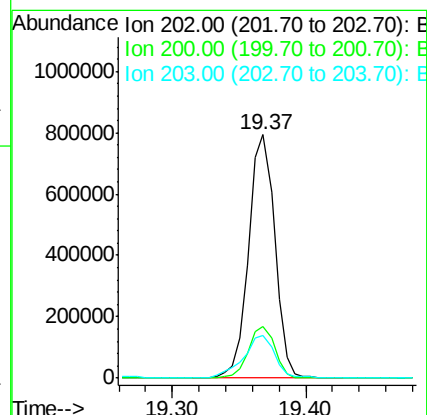
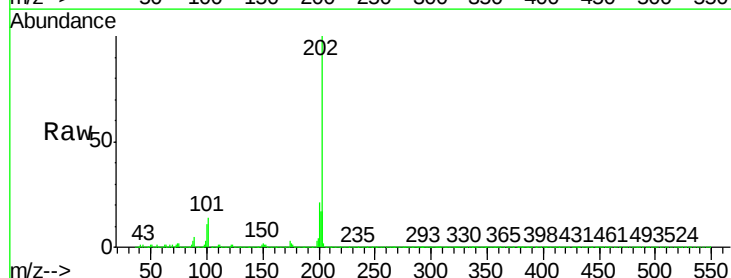
Instrument :
BNA_P
ClientSampleId :
1-SP-3-5

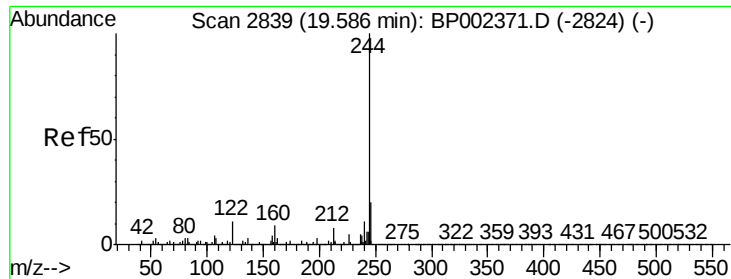
Tot Ion:240 Resp: 992273
Ion Ratio Lower Upper
240 100
120 11.8 9.3 13.9
236 25.4 21.0 31.6



#78
Pyrene
Concen: 17.606 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

Tgt Ion:202 Resp: 1070079
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 17.5 14.6 22.0





#79

Terphenyl-d14

Concen: 96.002 ng

RT: 19.58 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

Instrument :

BNA_P

ClientSampleId :

1-SP-3-5

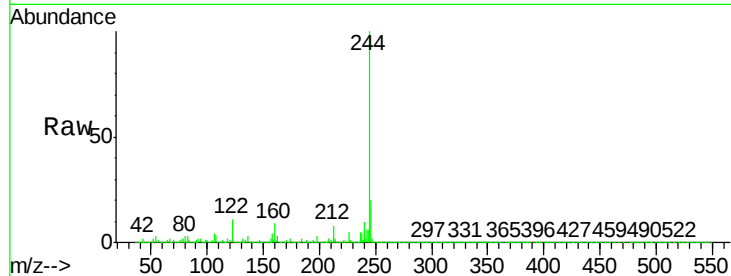
Tot Ion:244 Resp: 3567400

Ion Ratio Lower Upper

244 100

212 8.1 6.6 10.0

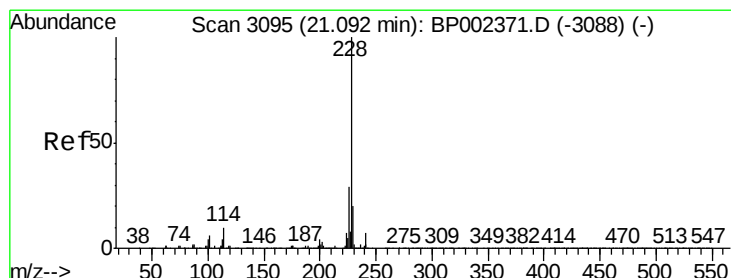
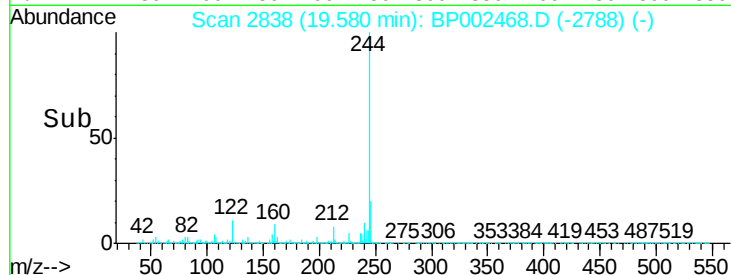
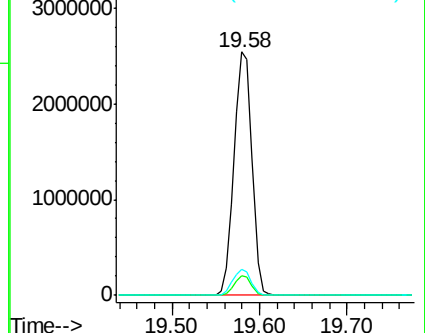
122 10.7 8.8 13.2



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: 9.287 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

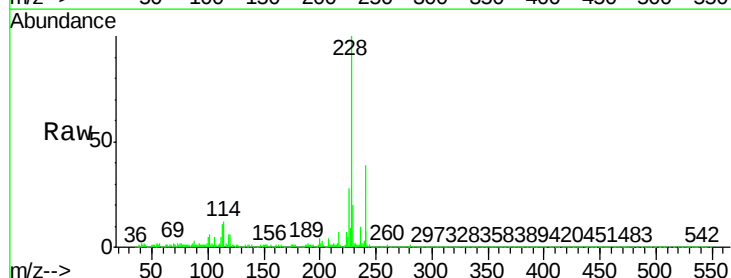
Tgt Ion:228 Resp: 526022

Ion Ratio Lower Upper

228 100

226 27.8 22.8 34.2

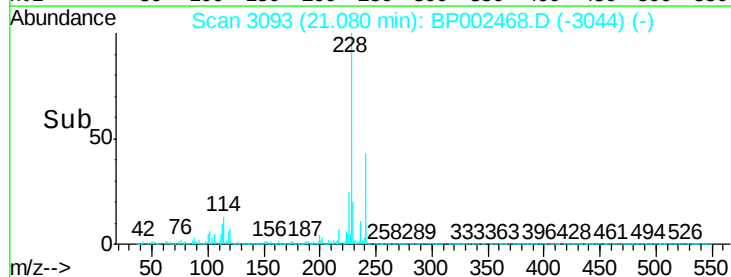
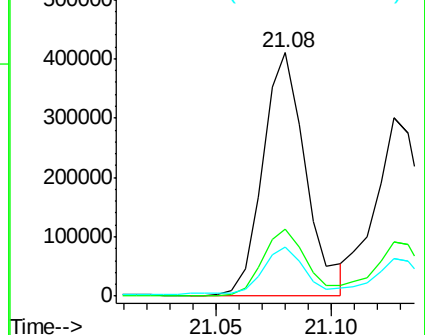
229 20.3 16.2 24.2

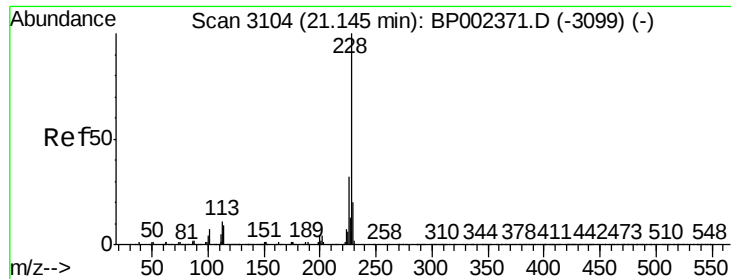


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

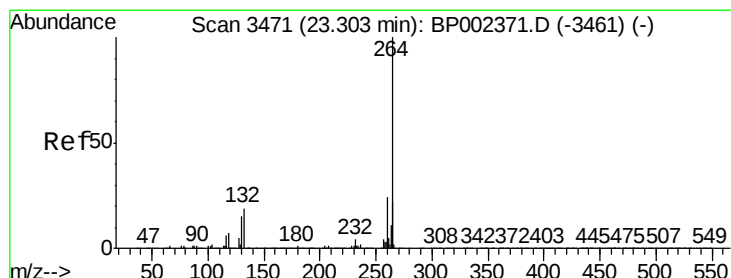
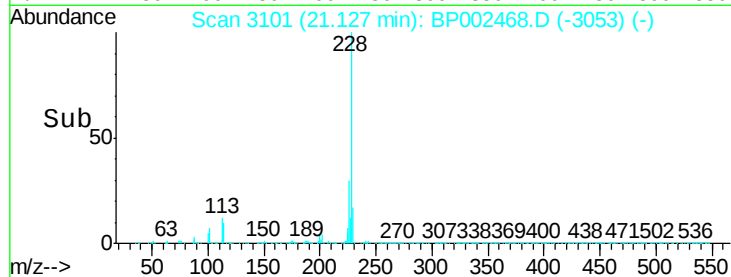
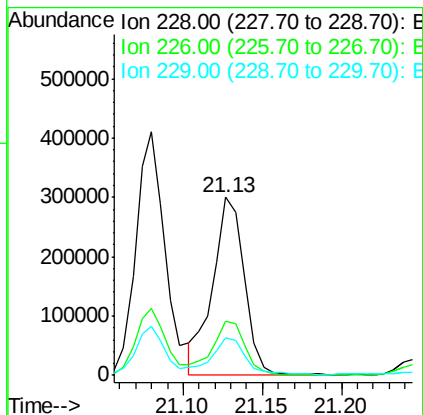
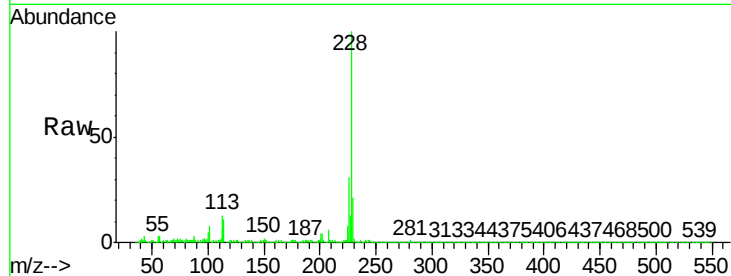




#83
Chrysene
Concen: 7.701 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

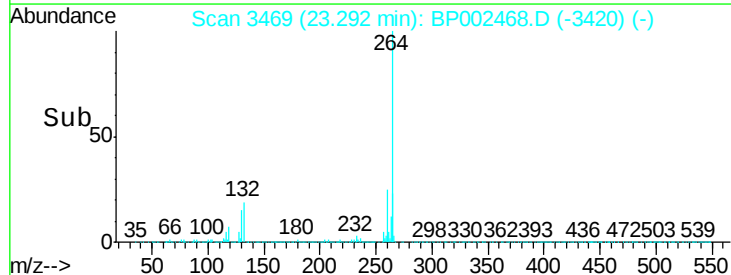
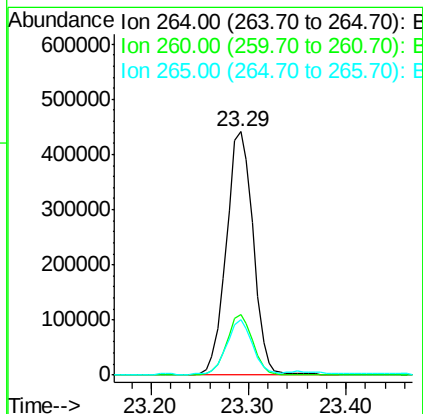
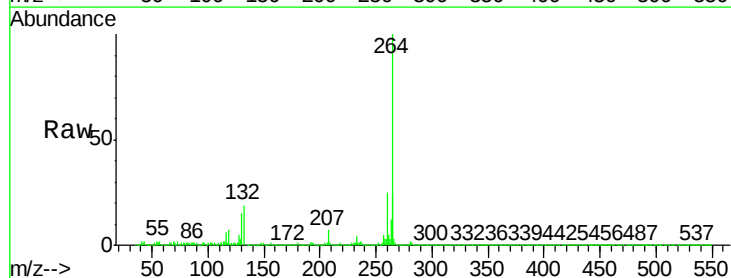
Instrument :
BNA_P
ClientSampled :
1-SP-3-5

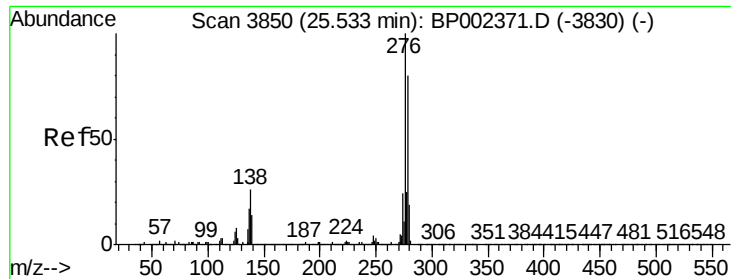
Tot Ion:228 Resp: 413229
Ion Ratio Lower Upper
228 100
226 30.5 25.2 37.8
229 21.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

Tgt Ion:264 Resp: 840762
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.0
265 22.9 17.4 26.2

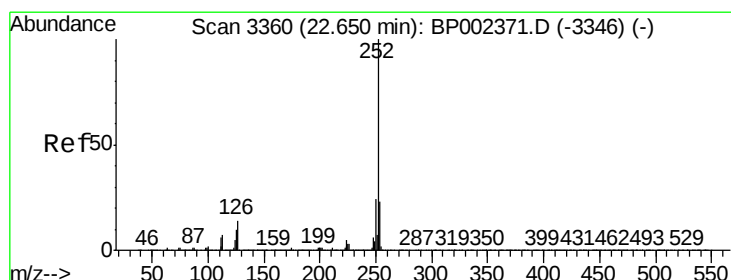
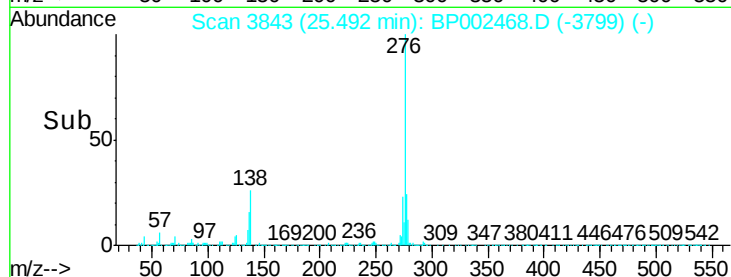
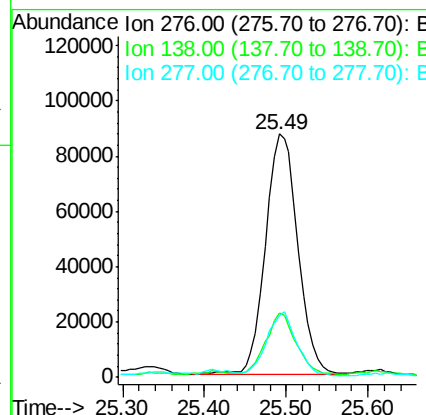
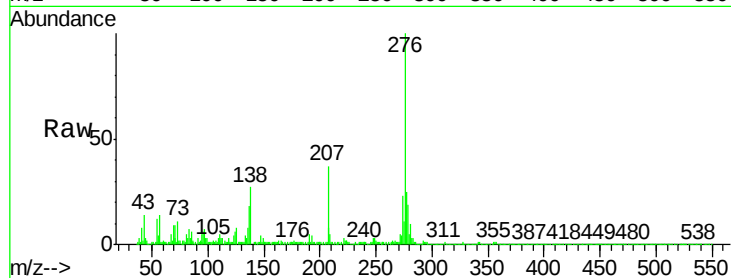




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.555 ng
 RT: 25.49 min Scan# 3843
 Delta R.T. -0.04 min
 Lab File: BP002468.D
 Acq: 19 Jun 2020 20:33

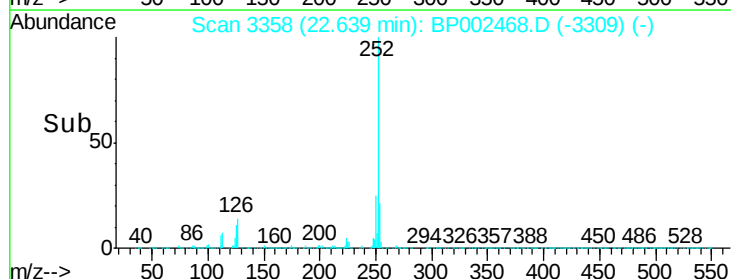
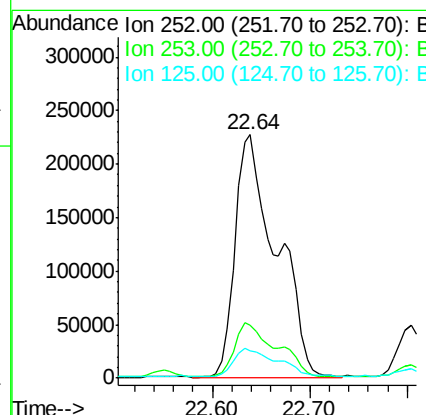
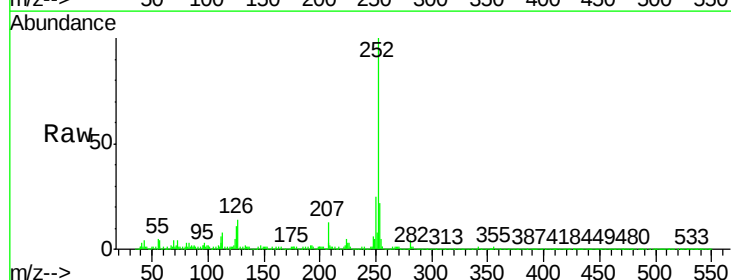
Instrument :
 BNA_P
 ClientSampleId :
 1-SP-3-5

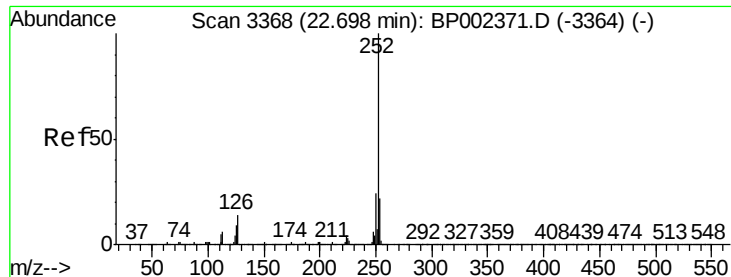
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	21.2	31.8
277	24.4	20.3	30.5



#88
 Benzo(b)fluoranthene
 Concen: 14.703 ng
 RT: 22.64 min Scan# 3358
 Delta R.T. -0.01 min
 Lab File: BP002468.D
 Acq: 19 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.1	27.1
125	11.4	8.2	12.2

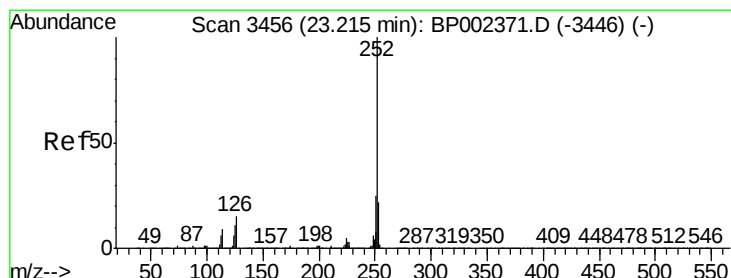
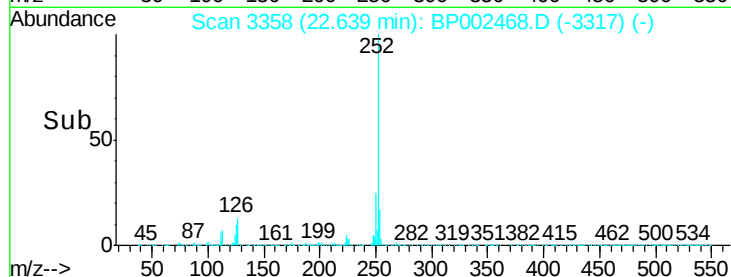
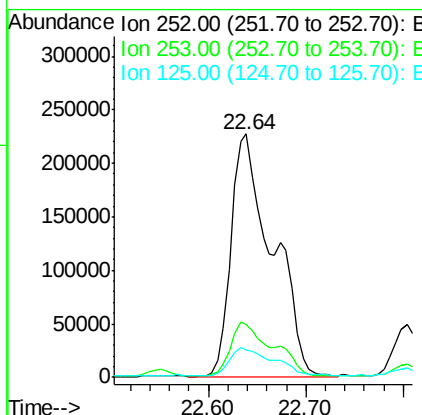
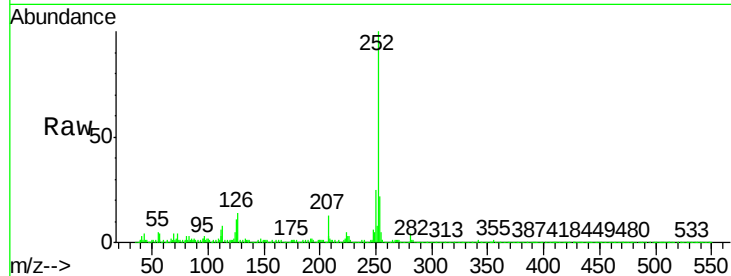




#89
Benzo(k)fluoranthene
Concen: 15.475 ng
RT: 22.64 min Scan# 3358
Delta R.T. -0.06 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

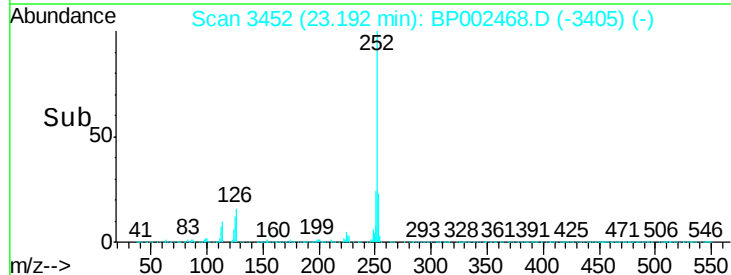
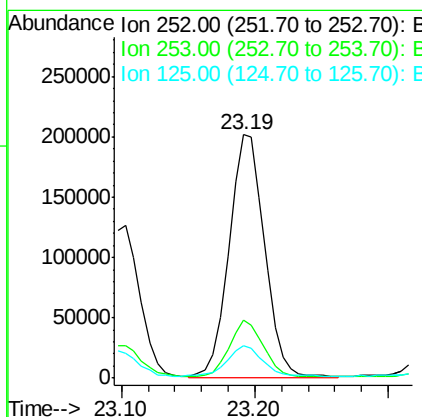
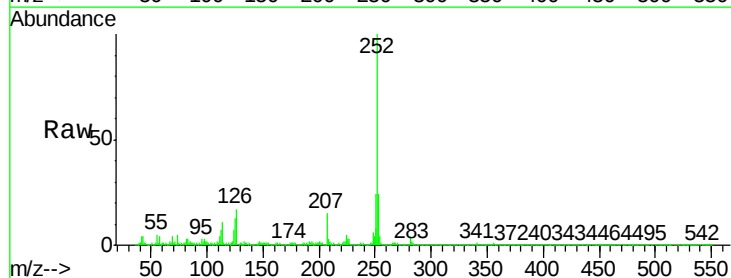
Instrument :
BNA_P
ClientSampleId :
1-SP-3-5

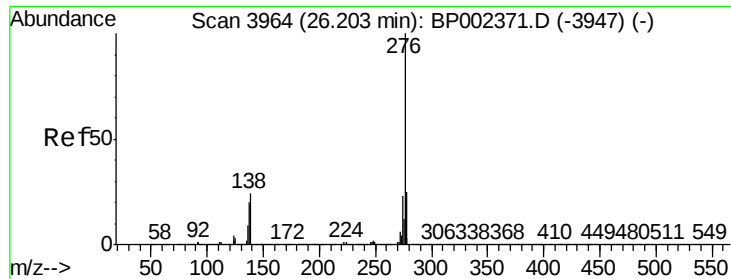
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	11.4	7.8	11.8



#90
Benzo(a)pyrene
Concen: 8.731 ng
RT: 23.19 min Scan# 3452
Delta R.T. -0.02 min
Lab File: BP002468.D
Acq: 19 Jun 2020 20:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	13.1	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 5.205 ng

RT: 26.17 min Scan# 3958

Delta R.T. -0.04 min

Lab File: BP002468.D

Acq: 19 Jun 2020 20:33

Instrument :

BNA_P

ClientSampleId :

1-SP-3-5

Tot Ion:276 Resp: 227408

Ion Ratio Lower Upper

276 100

277 24.6 19.8 29.6

138 23.7 19.2 28.8

