

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090920\
 Data File : BP003241.D
 Acq On : 09 Sep 2020 15:20
 Operator : CG/JU
 Sample : L3870-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-090820

Quant Time: Sep 09 16:00:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	201323	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	817483	20.00	ng	-0.01
39) Acenaphthene-d10	14.29	164	488131	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	987525	20.00	ng	0.00
76) Chrysene-d12	21.15	240	861878	20.00	ng	0.00
86) Perylene-d12	23.37	264	985335	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	880781	77.35	ng	0.00
7) Phenol-d6	6.83	99	1098328	76.94	ng	0.00
23) Nitrobenzene-d5	8.79	82	664914	58.64	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	530256	80.32	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1886265	56.59	ng	-0.01
79) Terphenyl-d14	19.62	244	2293610	58.56	ng	0.00

Target Compounds

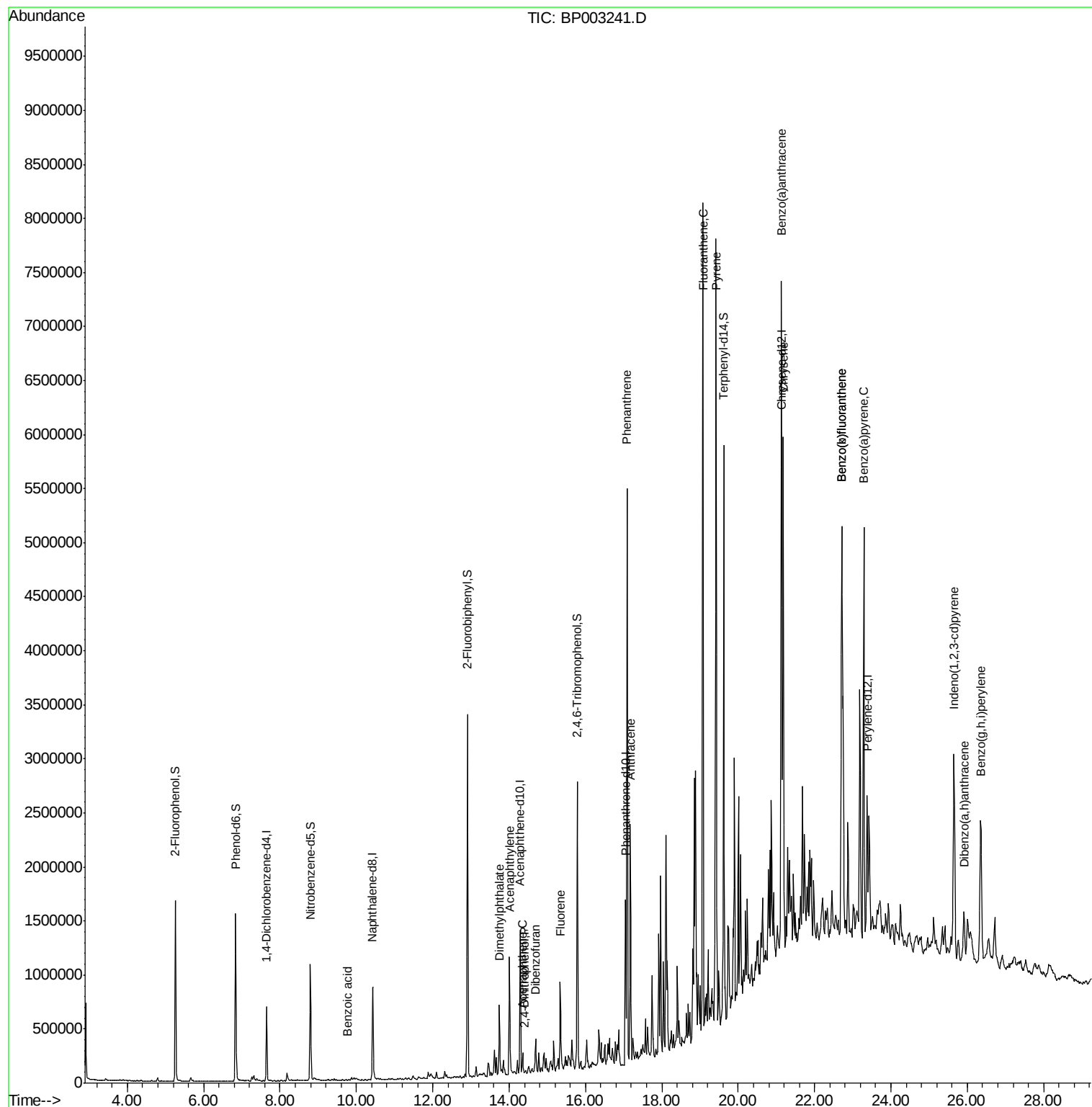
						Qvalue
32) Benzoic acid	9.76	122	58	9.003	ng	# 55
49) Acenaphthylene	14.01	152	944306	20.837	ng	100
50) Dimethylphthalate	13.75	163	325008	8.731	ng	99
52) Acenaphthene	14.35	154	73609	2.644	ng	98
54) 2,4-Dinitrophenol	14.40	184	71	7.770	ng	# 1
55) Dibenzofuran	14.69	168	138622	3.170	ng	# 92
58) Fluorene	15.35	166	396144	11.761	ng	98
71) Phenanthrene	17.09	178	3365259	62.890	ng	99
72) Anthracene	17.17	178	1453383	28.380	ng	100
75) Fluoranthene	19.07	202	5286666	85.482	ng	98
78) Pyrene	19.42	202	4982133	89.065	ng	98
81) Benzo(a)anthracene	21.13	228	3139595	58.155	ng	95
83) Chrysene	21.18	228	2573591	49.789	ng	97
87) Indeno(1,2,3-cd)pyrene	25.66	276	1814364	24.692	ng	96
88) Benzo(b)fluoranthene	22.71	252	3682928	60.137	ng	97
89) Benzo(k)fluoranthene	22.71	252	3682928	62.942	ng	98
90) Benzo(a)pyrene	23.29	252	2836755	49.929	ng	97
91) Dibenzo(a,h)anthracene	25.92	278	444801	7.369	ng	93
92) Benzo(a,h,i)perylene	26.35	276	1676351	27.673	ng	98

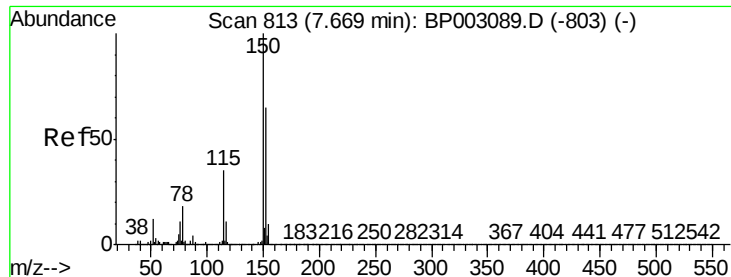
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.65 min Scan# 809

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

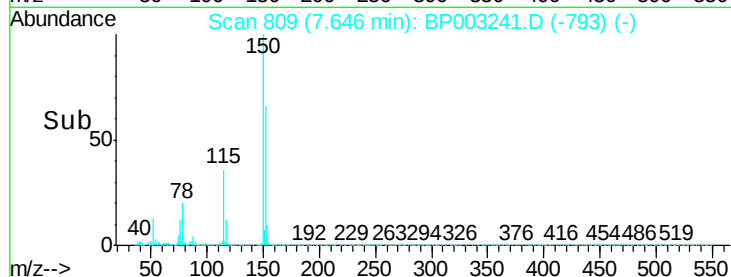
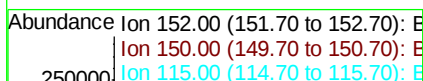
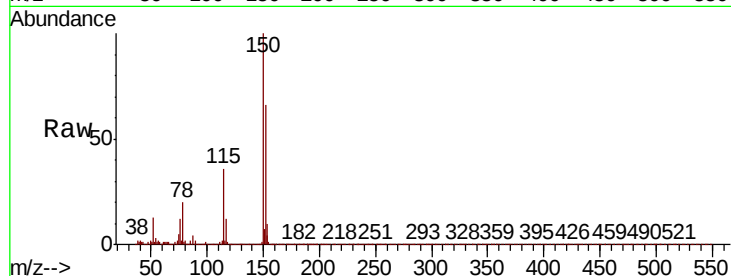
Tot Ion:152 Resp: 201323

Ion Ratio Lower Upper

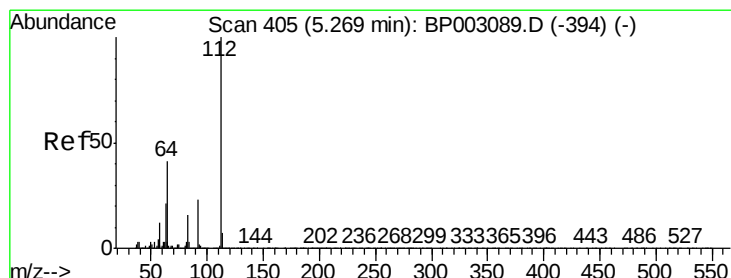
152 100

150 152.5 123.8 185.6

115 55.3 43.8 65.6



Time-->



#5

2-Fluorophenol

Concen: 77.351 ng

RT: 5.26 min Scan# 403

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

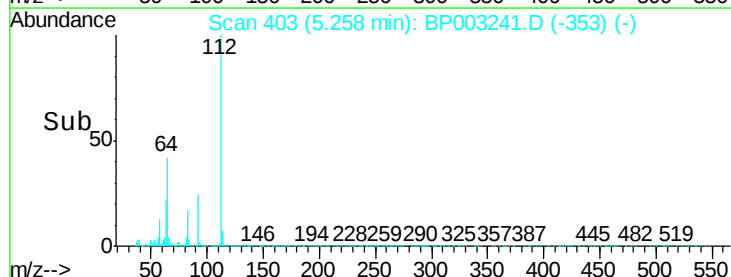
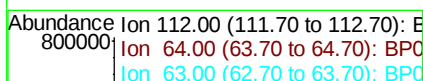
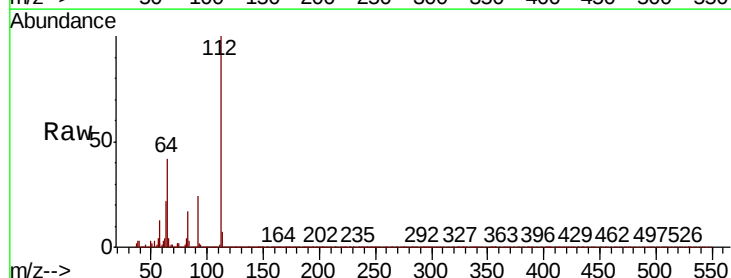
Tgt Ion:112 Resp: 880781

Ion Ratio Lower Upper

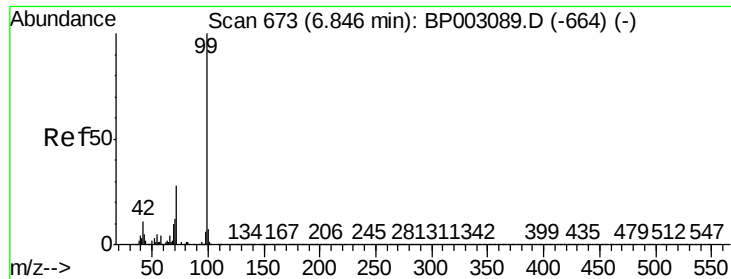
112 100

64 42.1 32.8 49.2

63 22.5 17.0 25.4



Time-->



#7

Phenol-d6

Concen: 76.945 ng

RT: 6.83 min Scan# 671

Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

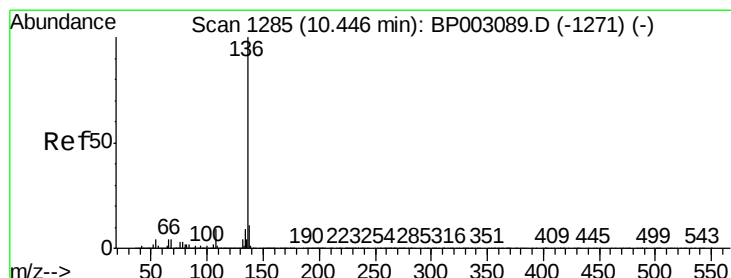
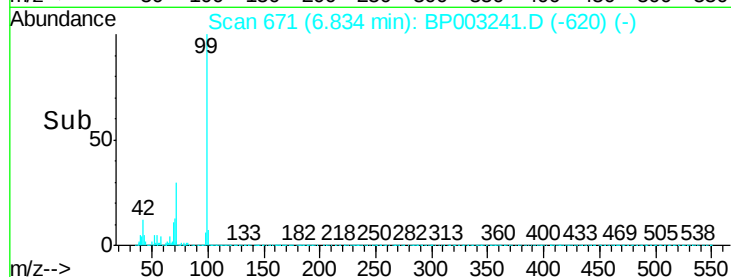
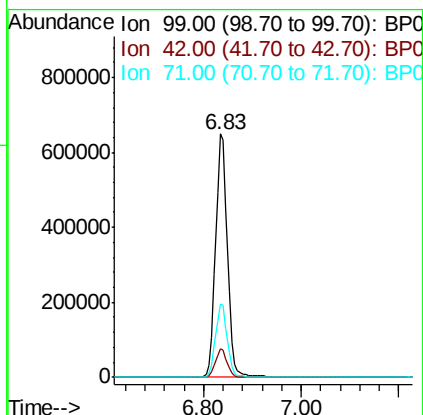
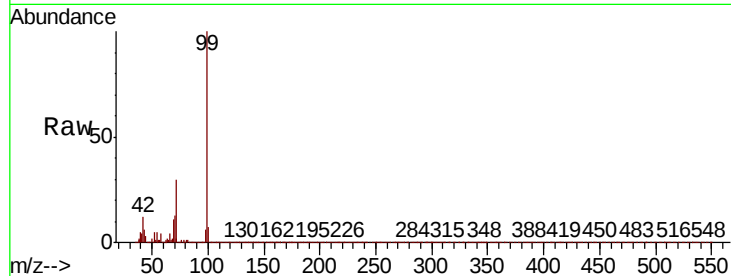
Tot Ion: 99 Resp: 1098328

Ion Ratio Lower Upper

99 100

42 11.6 8.6 13.0

71 30.3 23.4 35.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.42 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Tgt Ion: 136 Resp: 817483

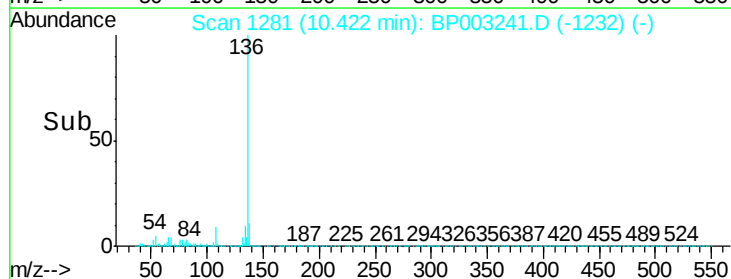
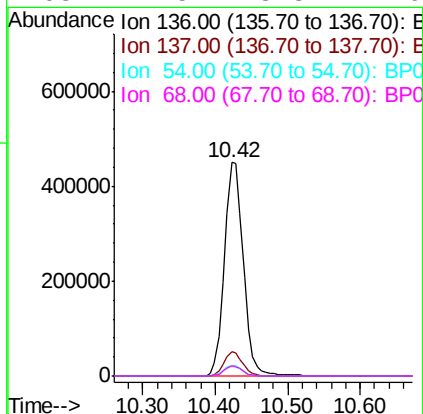
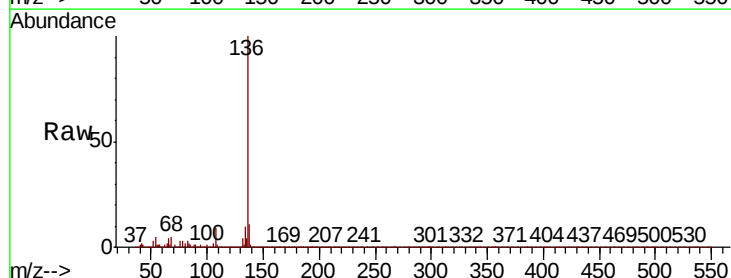
Ion Ratio Lower Upper

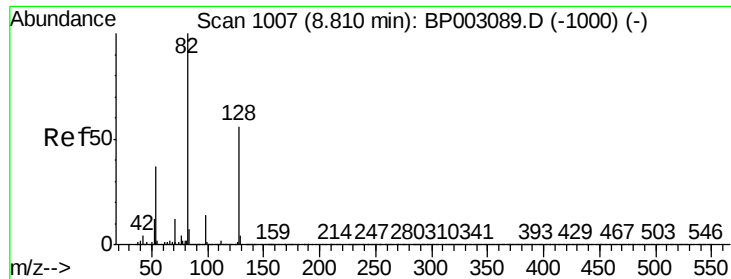
136 100

137 11.2 8.6 13.0

54 4.9 3.6 5.4

68 4.5 3.3 4.9

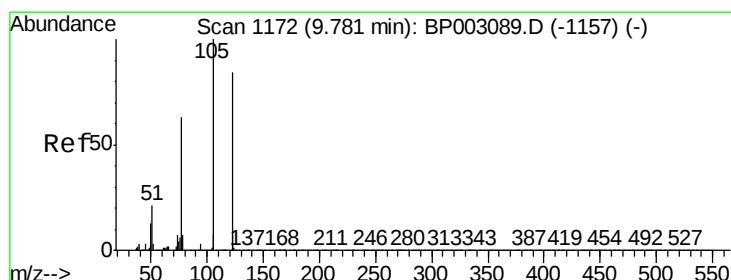
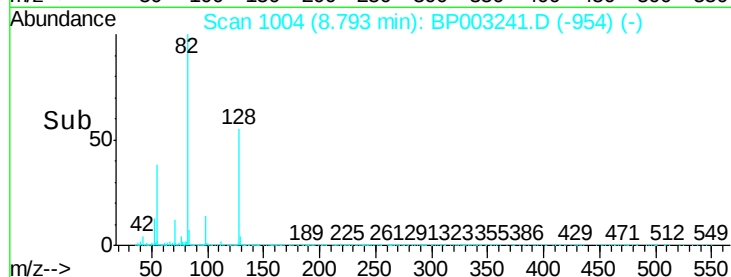
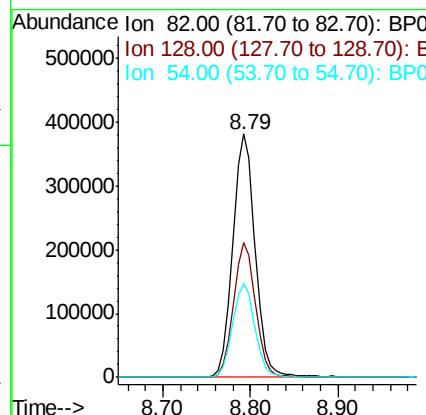
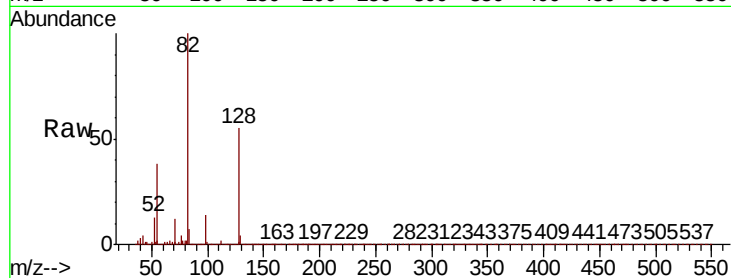




#23
Nitrobenzene-d5
Concen: 58.636 ng
RT: 8.79 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

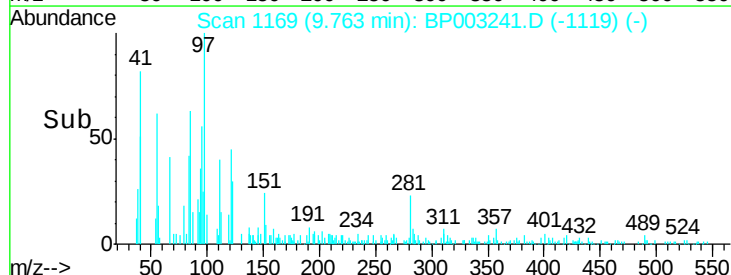
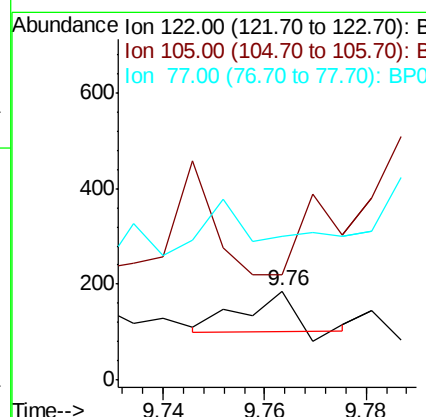
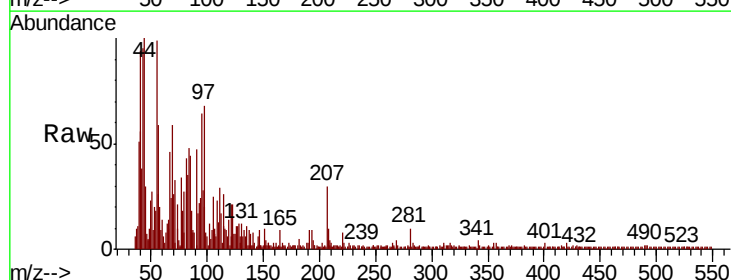
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

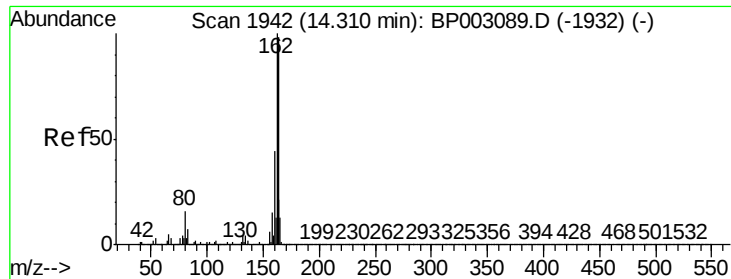
Tot Ion	82	Resp	664914
Ion Ratio	100	Lower	Upper
128	55.3	45.6	68.4
54	38.4	30.1	45.1



#32
Benzoic acid
Concen: 9.003 ng
RT: 9.76 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion	122	Resp	58
Ion Ratio	100	Lower	Upper
105	118.8	94.1	134.1
77	161.3	50.1	90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1938

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

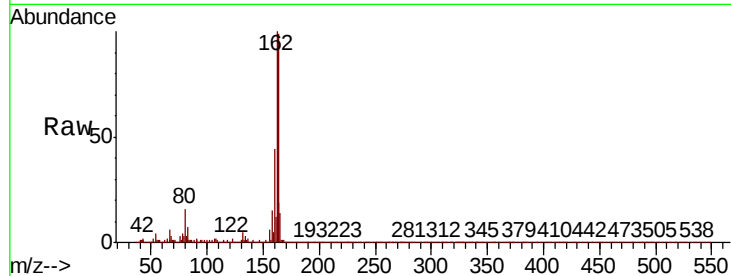
Tot Ion:164 Resp: 488131

Ion Ratio Lower Upper

164 100

162 100.9 79.4 119.2

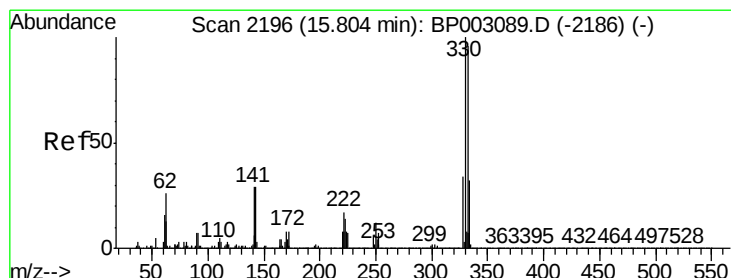
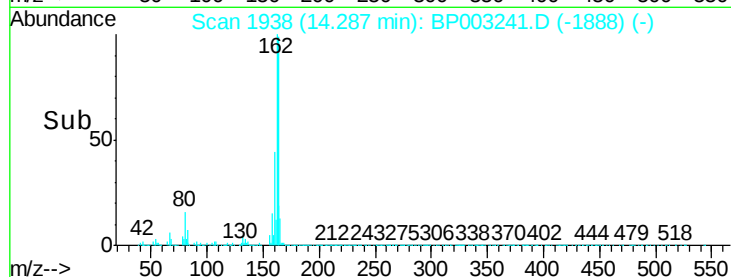
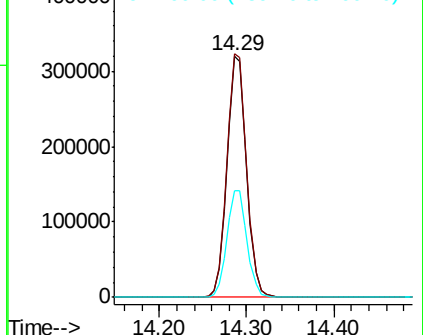
160 44.2 36.1 54.1



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: 80.319 ng

RT: 15.79 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

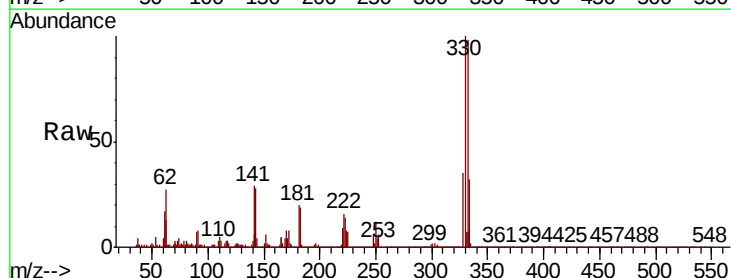
Tgt Ion:330 Resp: 530256

Ion Ratio Lower Upper

330 100

332 97.5 77.1 115.7

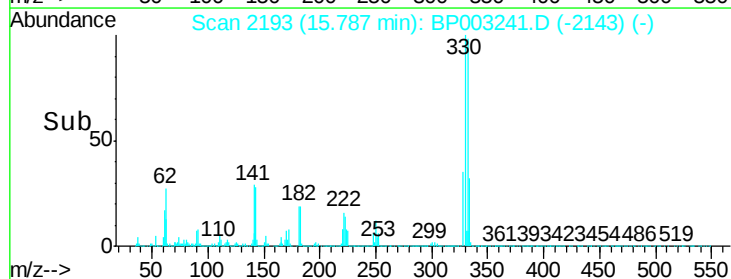
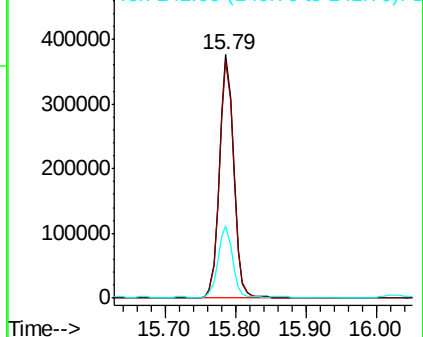
141 29.6 23.4 35.2

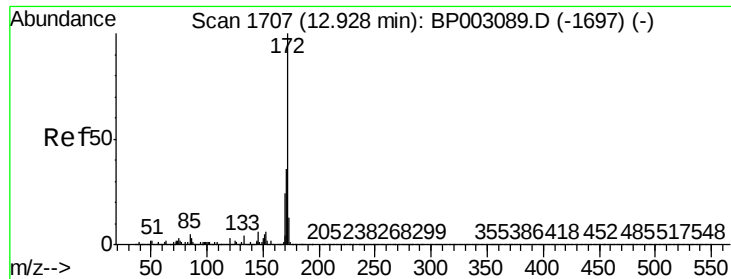


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

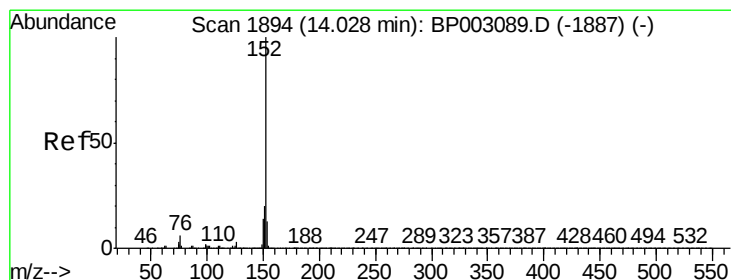
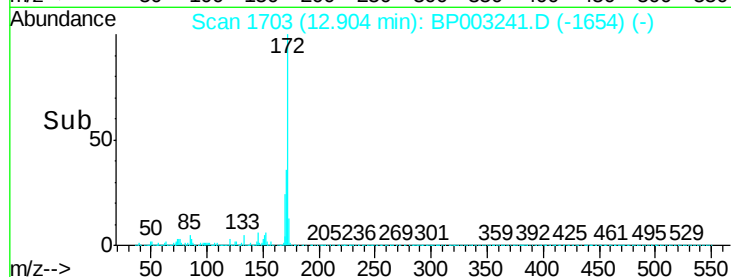
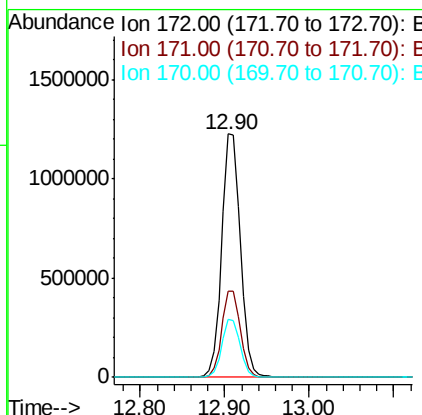
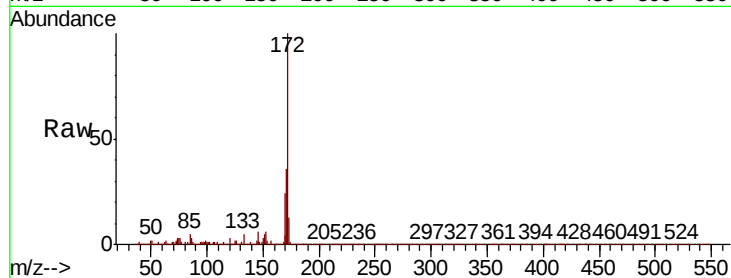




#45
2-Fluorobiphenyl
Concen: 56.590 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

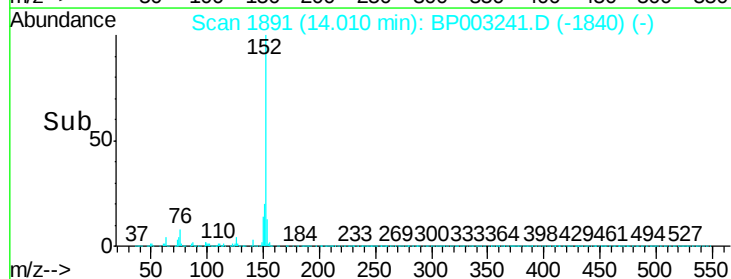
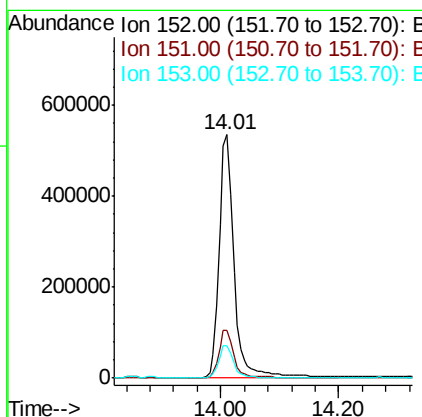
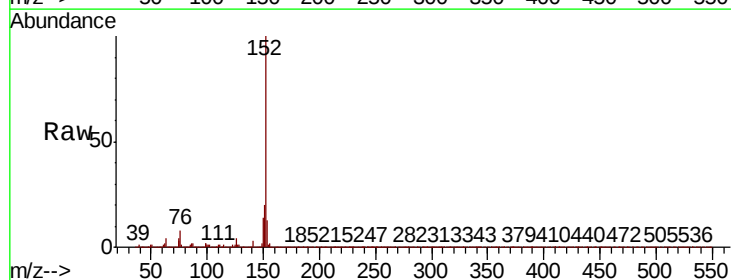
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

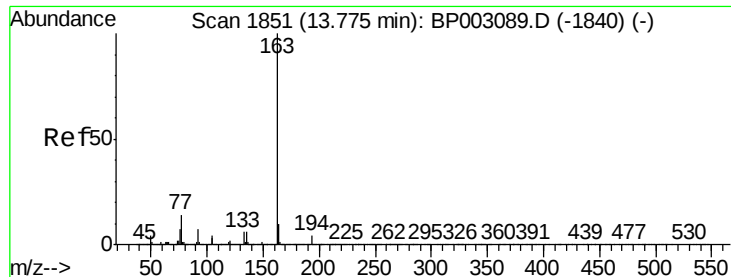
Tot Ion:172 Resp: 1886265
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.6 19.2 28.8



#49
Acenaphthylene
Concen: 20.837 ng
RT: 14.01 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:152 Resp: 944306
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.4 10.5 15.7





#50

Dimethylphthalate

Concen: 8.731 ng

RT: 13.75 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

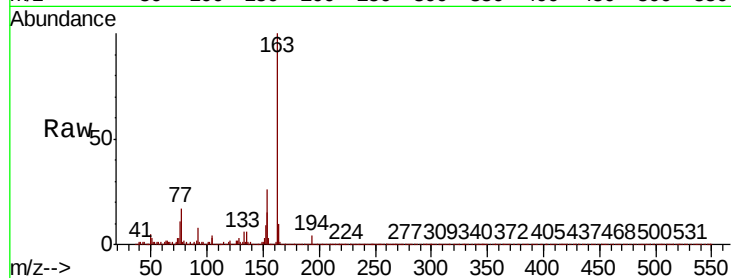
Tot Ion:163 Resp: 325008

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

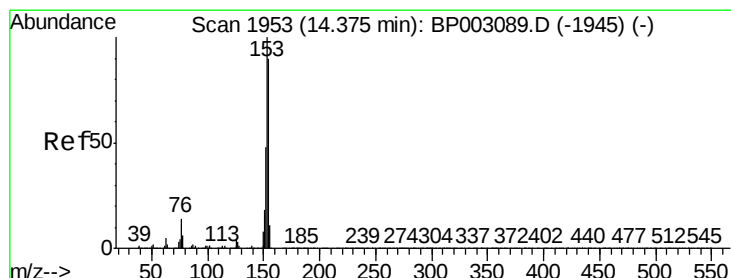
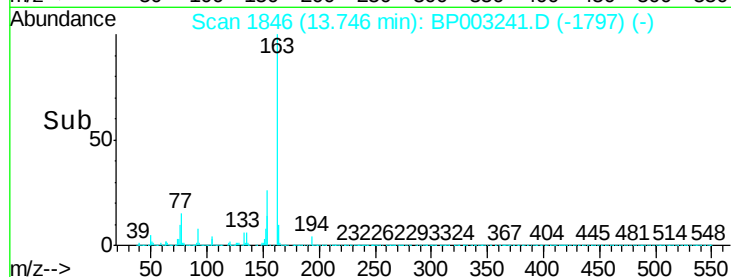
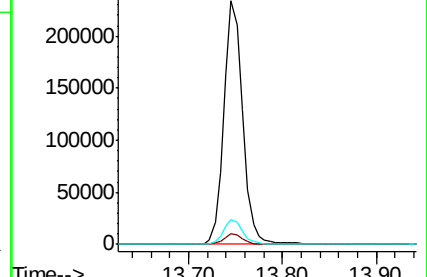
164 9.9 8.2 12.2



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



#52

Acenaphthene

Concen: 2.644 ng

RT: 14.35 min Scan# 1949

Delta R.T. -0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

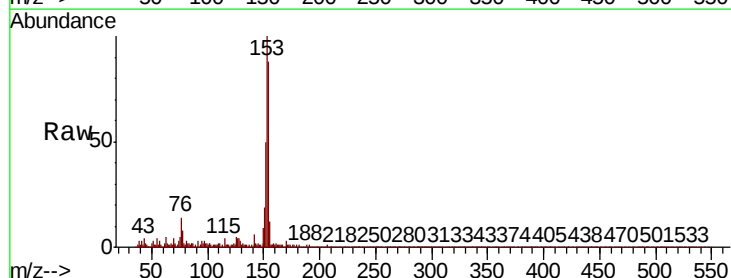
Tgt Ion:154 Resp: 73609

Ion Ratio Lower Upper

154 100

153 113.4 91.0 136.6

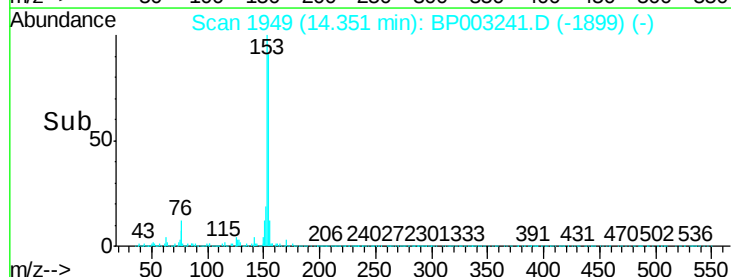
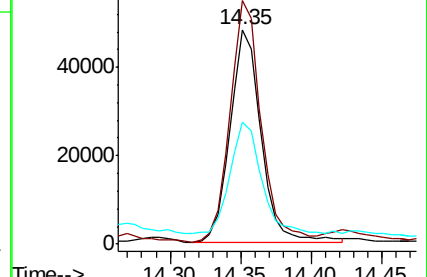
152 57.1 43.0 64.6

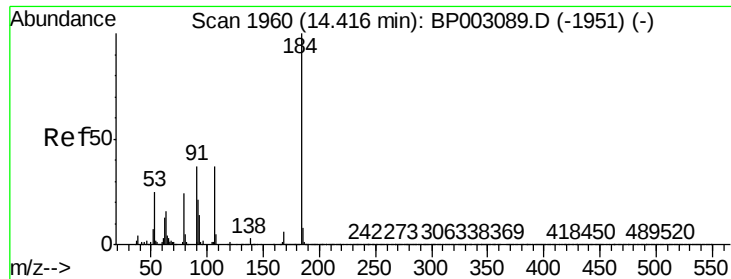


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

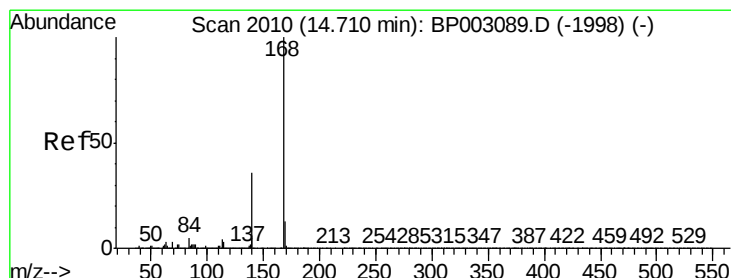
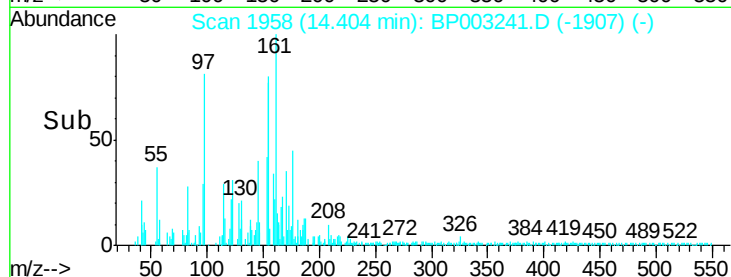
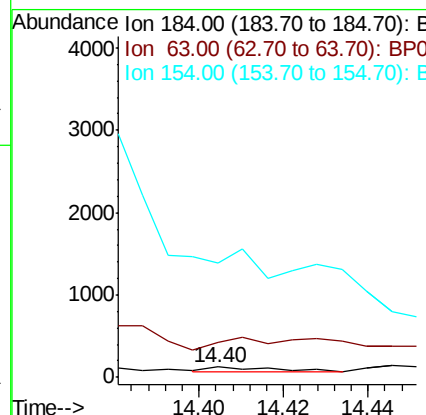
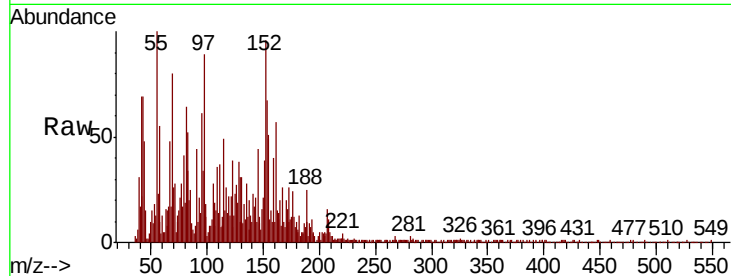




#54
2,4-Dinitrophenol
Concen: 7.770 ng
RT: 14.40 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

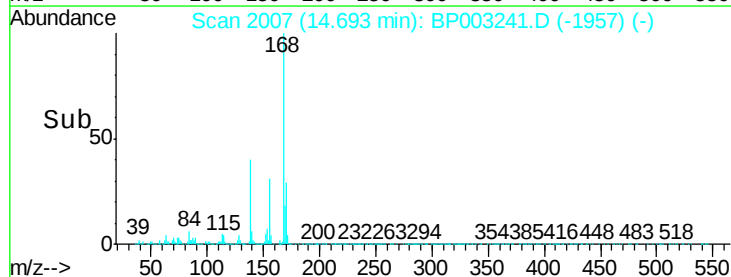
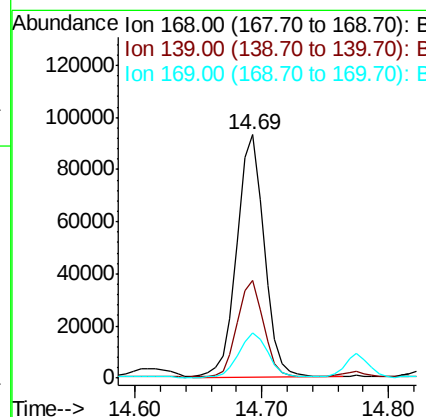
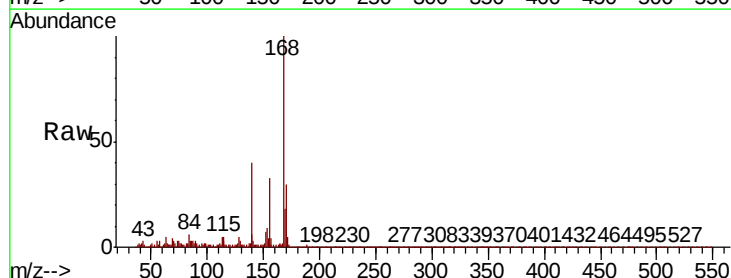
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

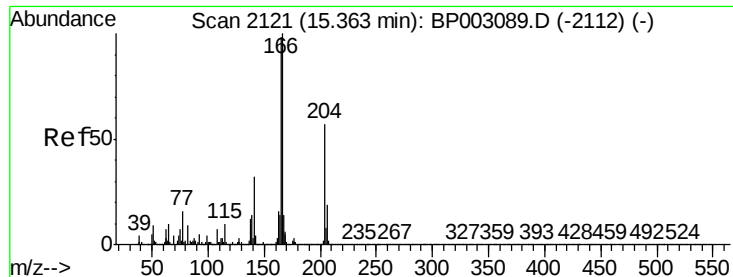
Tot Ion:184 Resp: 71
Ion Ratio Lower Upper
184 100
63 343.9 32.3 48.5#
154 1123.6 49.1 73.7#



#55
Dibenzofuran
Concen: 3.170 ng
RT: 14.69 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:168 Resp: 138622
Ion Ratio Lower Upper
168 100
139 40.0 29.1 43.7
169 18.4 10.4 15.6#





#58

Fluorene

Concen: 11.761 ng

RT: 15.35 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

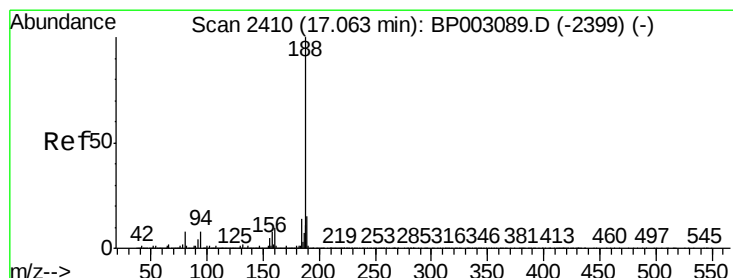
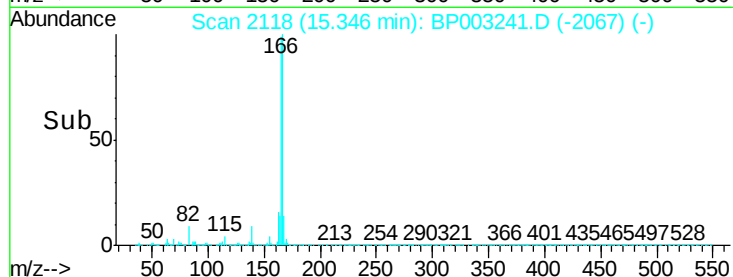
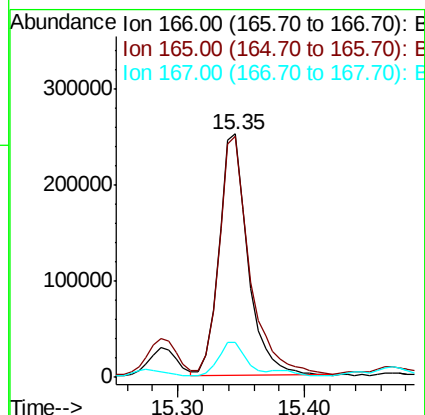
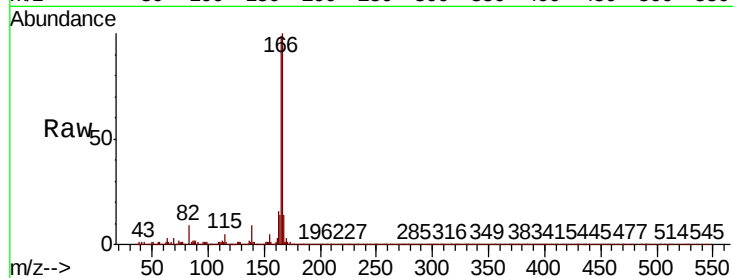
Tot Ion:166 Resp: 396144

Ion Ratio Lower Upper

166 100

165 99.1 77.8 116.8

167 14.5 11.0 16.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2407

Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

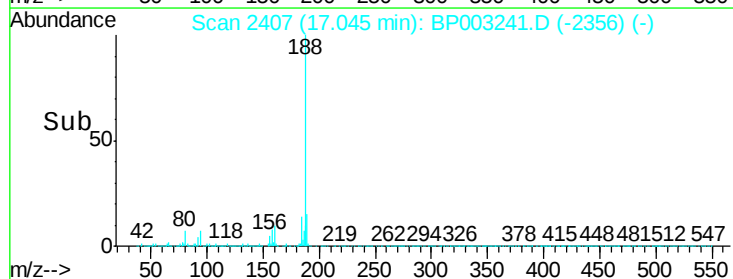
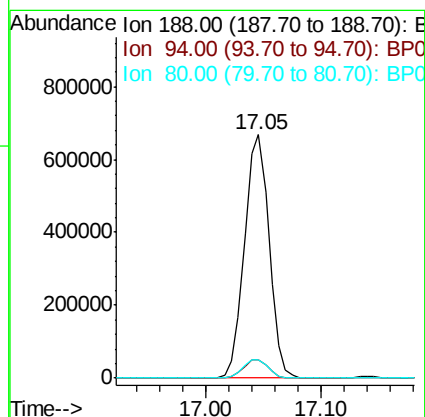
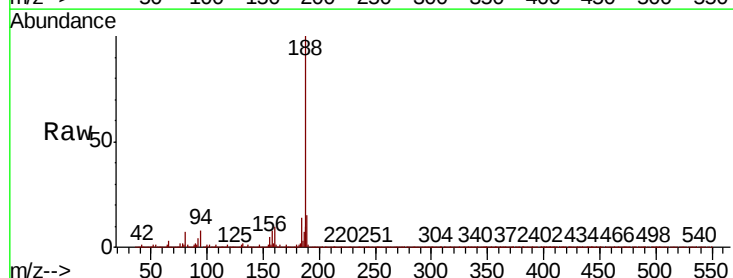
Tgt Ion:188 Resp: 987525

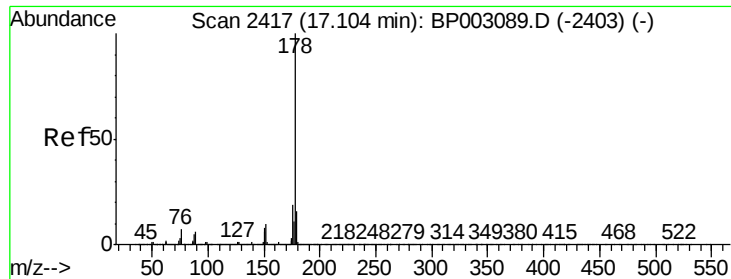
Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.2

80 7.5 6.2 9.2

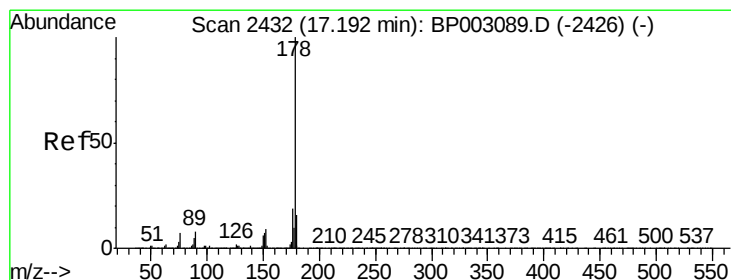
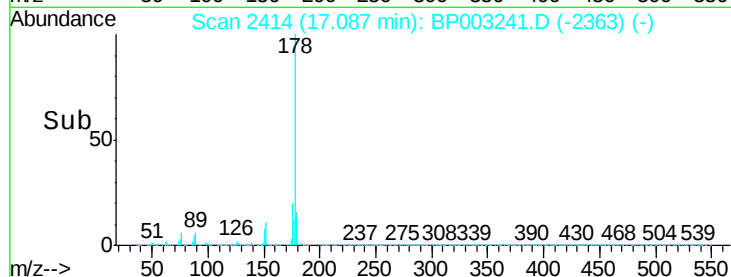
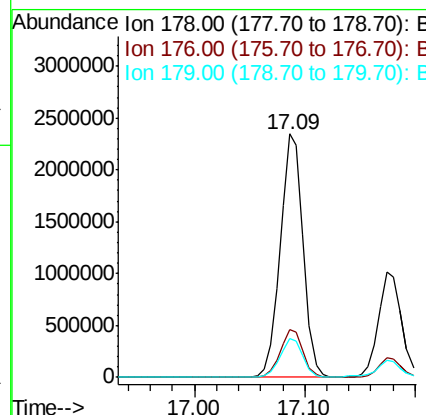
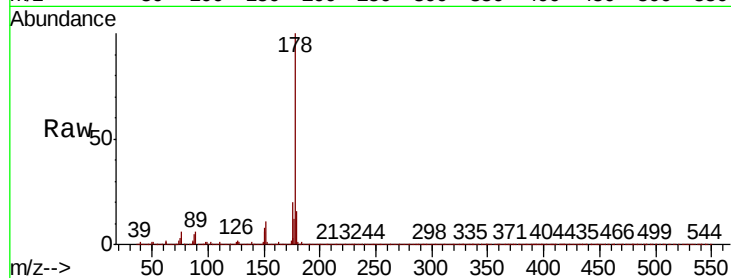




#71
Phenanthrene
Concen: 62.890 ng
RT: 17.09 min Scan# 2414
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

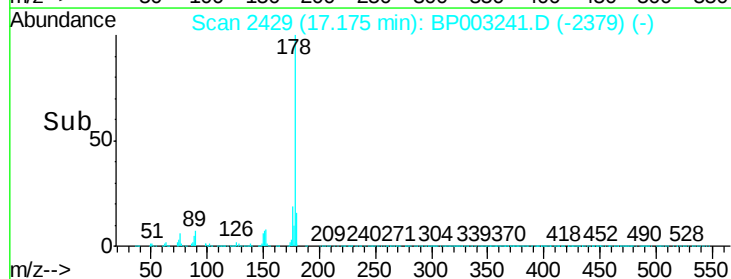
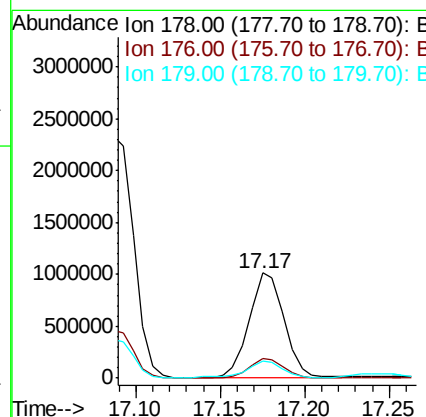
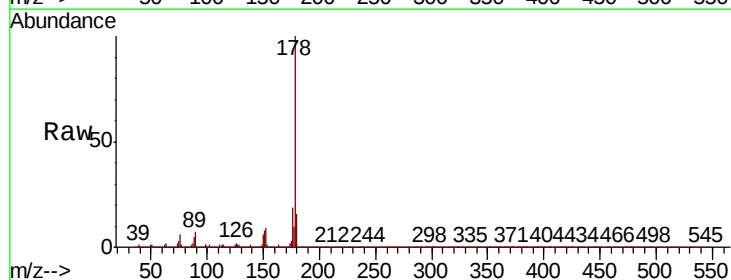
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

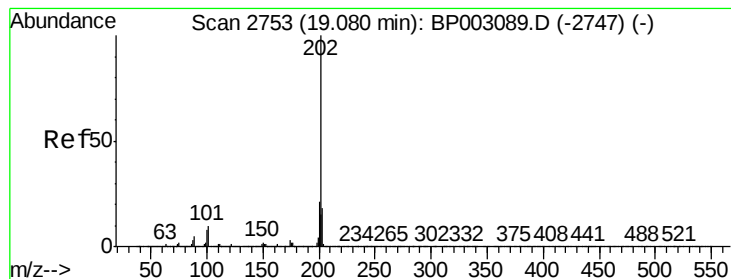
Tot Ion:178 Resp: 3365259
Ion Ratio Lower Upper
178 100
176 19.7 15.3 22.9
179 15.8 12.5 18.7



#72
Anthracene
Concen: 28.380 ng
RT: 17.17 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:178 Resp: 1453383
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.7 12.5 18.7





#75

Fluoranthene

Concen: 85.482 ng

RT: 19.07 min Scan# 2752

Delta R.T. 0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

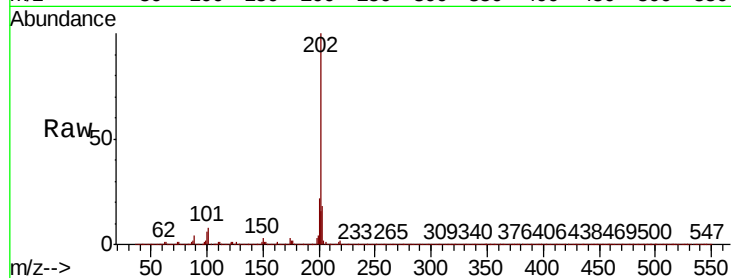
BNA_P

ClientSampleId :

SU-04-090820

Tot Ion:202 Resp: 5286666

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	29.4
203	18.5	0.0	37.8

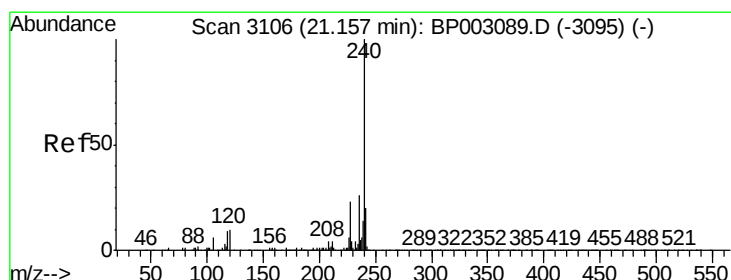
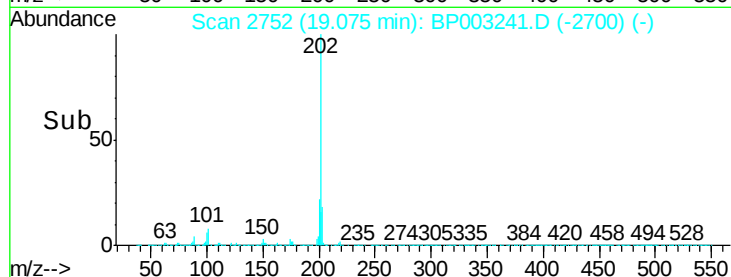
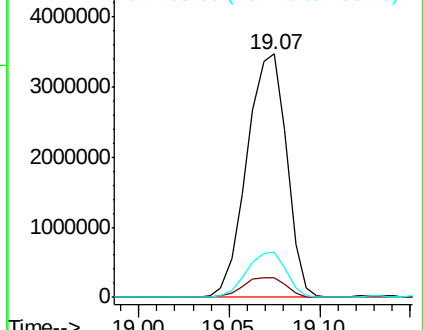


Abundance

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: 21.15 min Scan# 3104

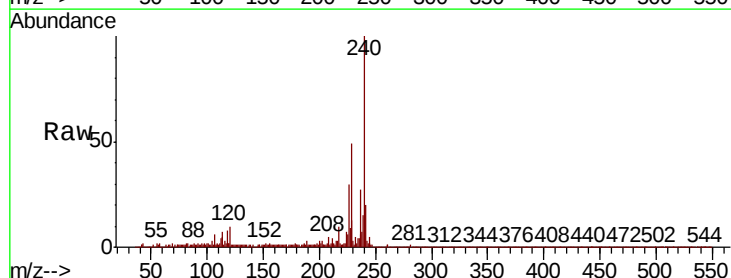
Delta R.T. 0.00 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Tgt Ion:240 Resp: 861878

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.8	11.6
236	26.6	20.8	31.2

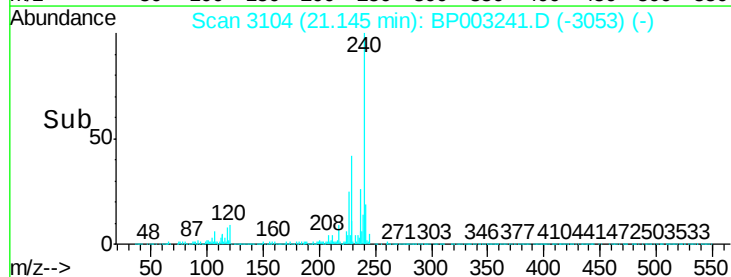
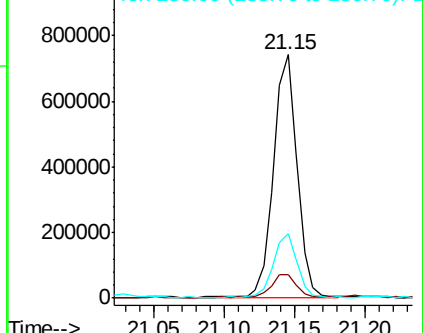


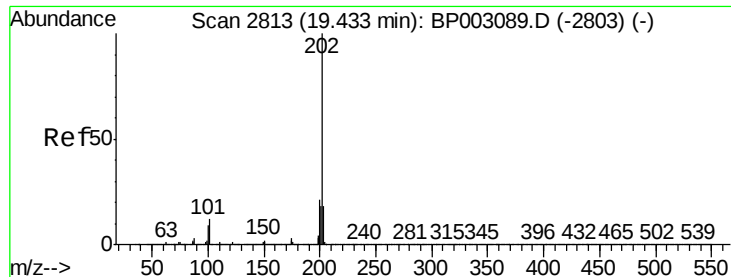
Abundance

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

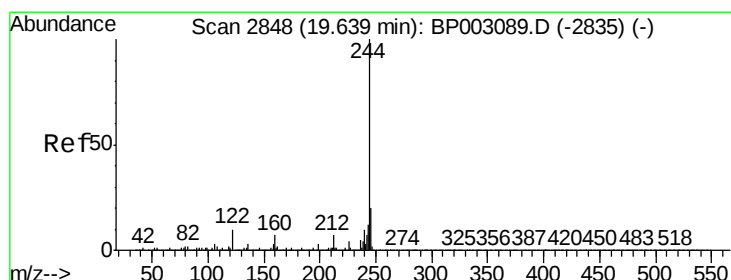
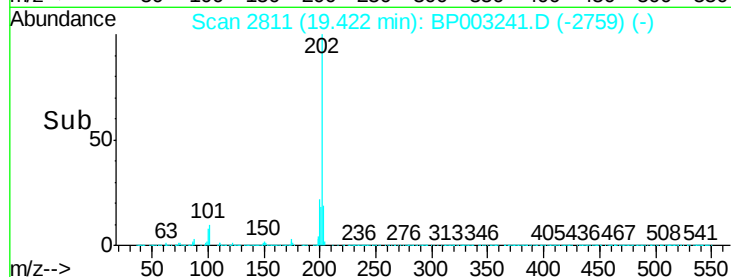
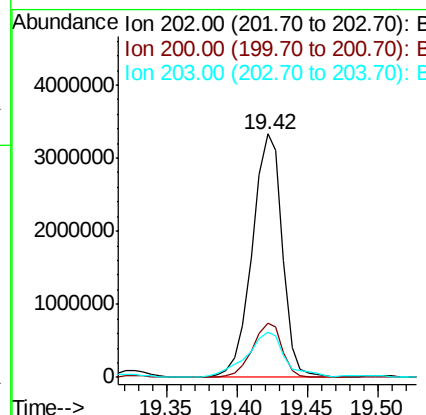
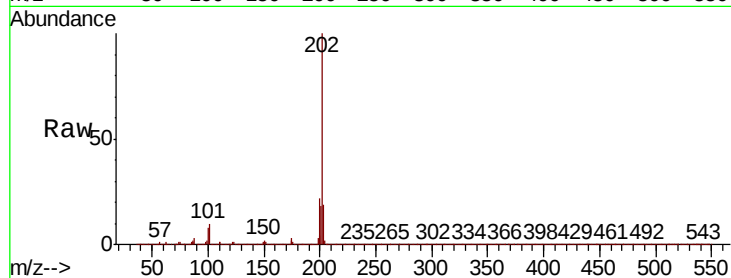




#78
Pvrene
Concen: 89.065 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

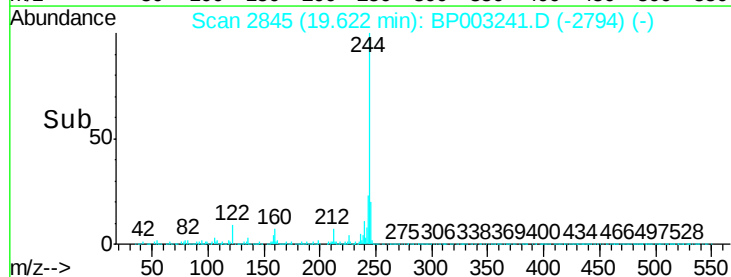
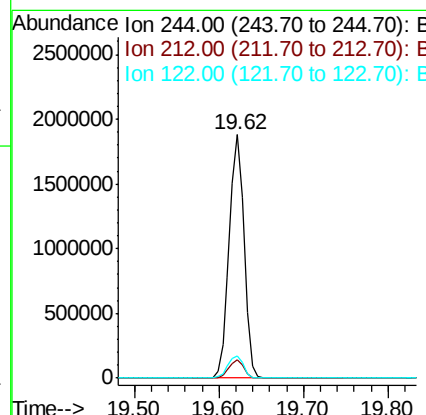
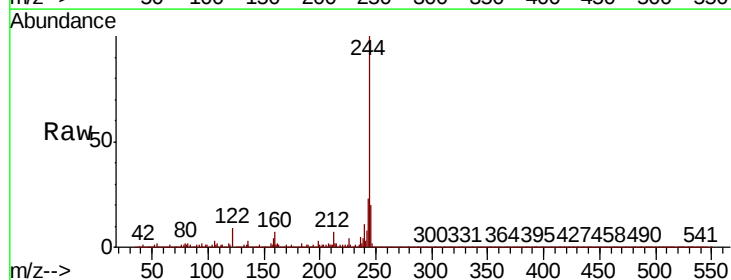
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

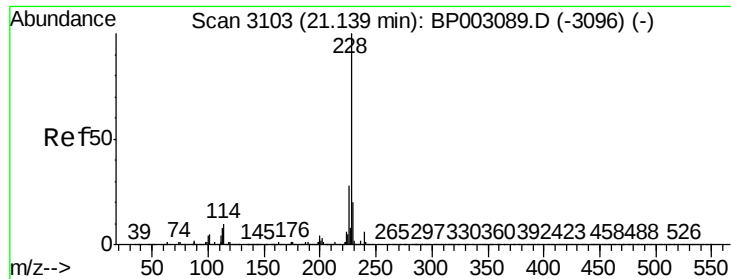
Tot Ion:202 Resp: 4982133
Ion Ratio Lower Upper
202 100
200 22.1 17.1 25.7
203 18.7 14.2 21.2



#79
Terphenyl-d14
Concen: 58.557 ng
RT: 19.62 min Scan# 2845
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:244 Resp: 2293610
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 9.3 7.8 11.8

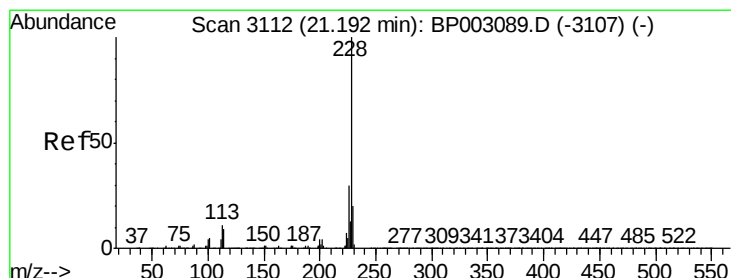
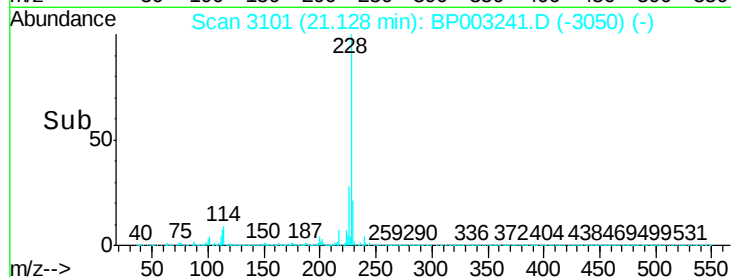
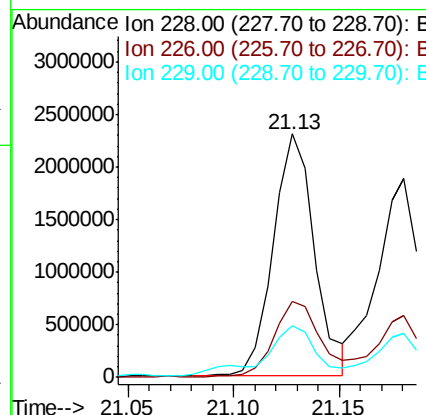
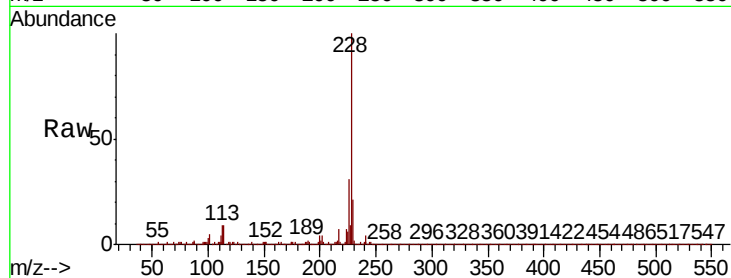




#81
Benzo(a)anthracene
Concen: 58.155 ng
RT: 21.13 min Scan# 3101
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

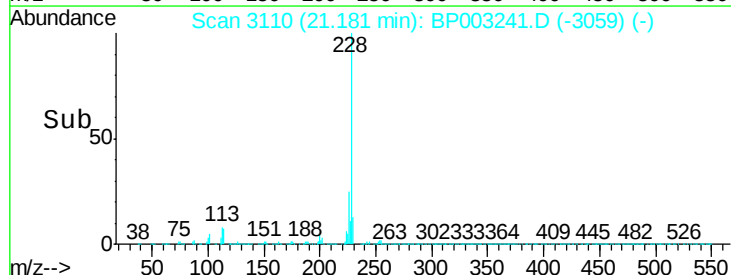
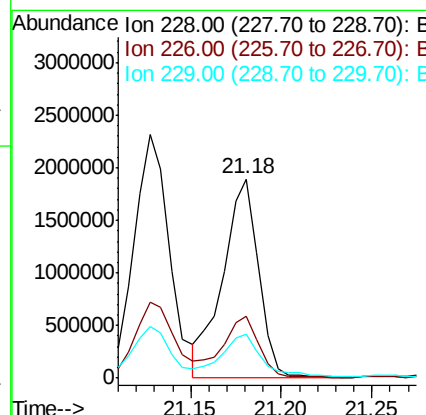
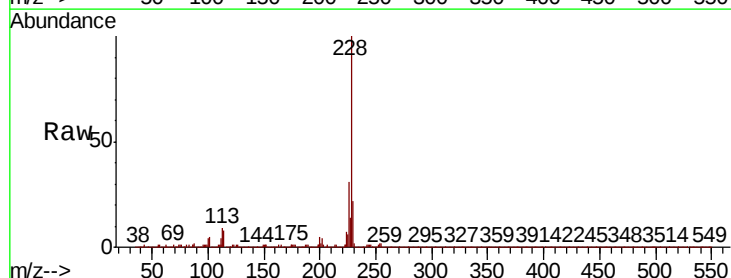
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

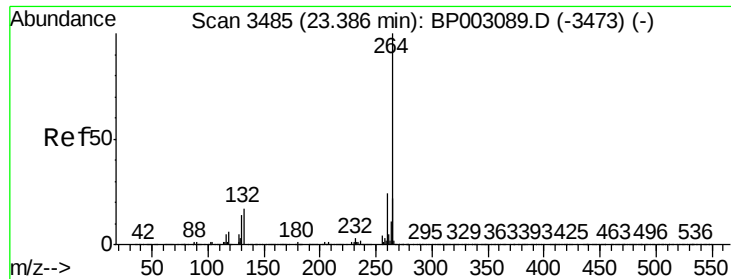
Tot Ion:228 Resp: 3139595
Ion Ratio Lower Upper
228 100
226 31.1 22.1 33.1
229 21.3 15.9 23.9



#83
Chrysene
Concen: 49.789 ng
RT: 21.18 min Scan# 3110
Delta R.T. 0.00 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:228 Resp: 2573591
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 22.2 15.8 23.6

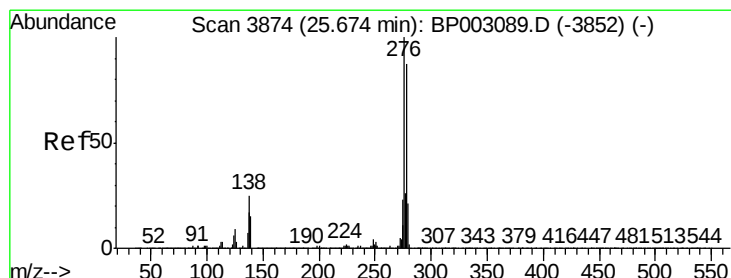
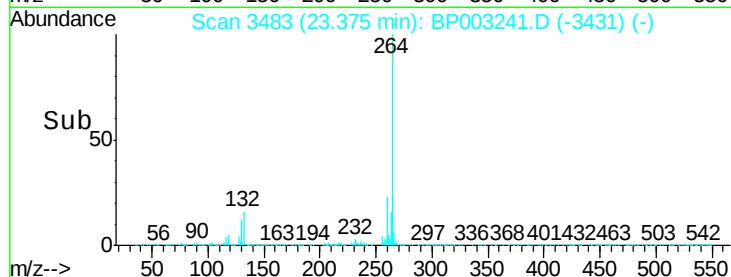
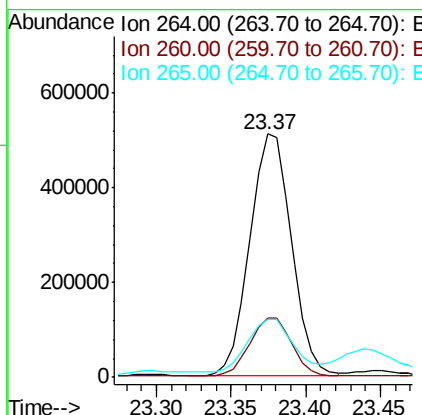
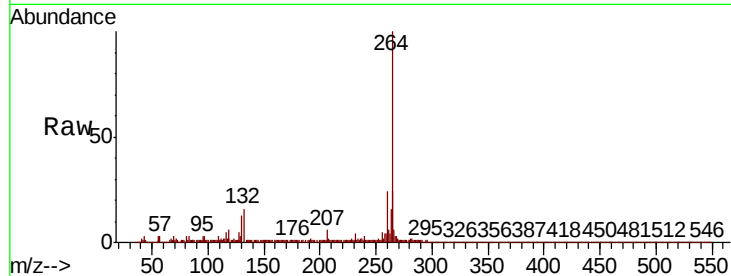




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.37 min Scan# 3483
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

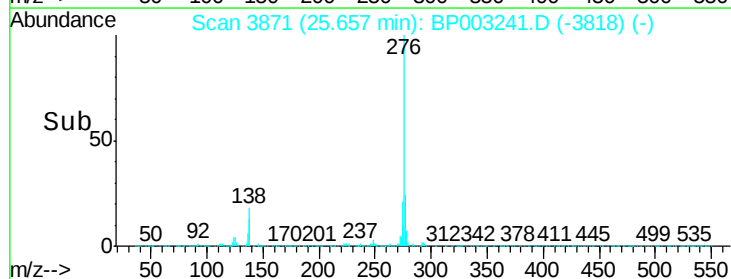
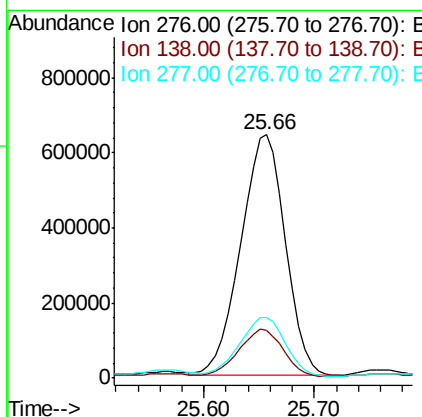
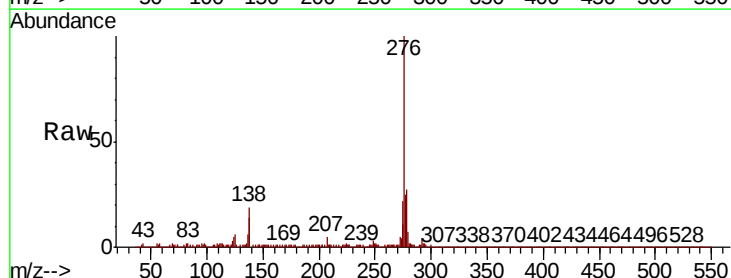
Instrument :
BNA_P
ClientSampleId :
SU-04-090820

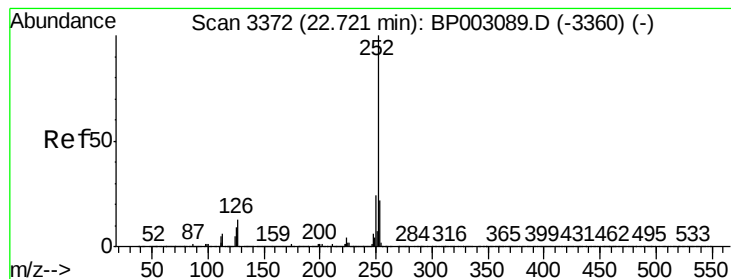
Tot Ion:264	Resp:	985335
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.8 28.2
265	24.1	17.4 26.2



#87
Indeno(1,2,3-cd)pyrene
Concen: 24.692 ng
RT: 25.66 min Scan# 3871
Delta R.T. 0.01 min
Lab File: BP003241.D
Acq: 09 Sep 2020 15:20

Tgt Ion:276	Resp:	1814364
Ion Ratio	Lower	Upper
276	100	
138	19.8	18.7 28.1
277	25.4	20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 60.137 ng

RT: 22.71 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

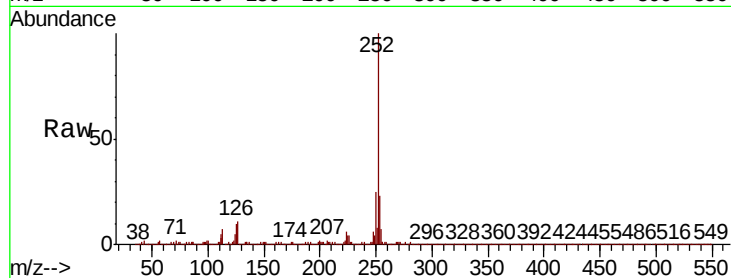
Tot Ion:252 Resp: 3682928

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

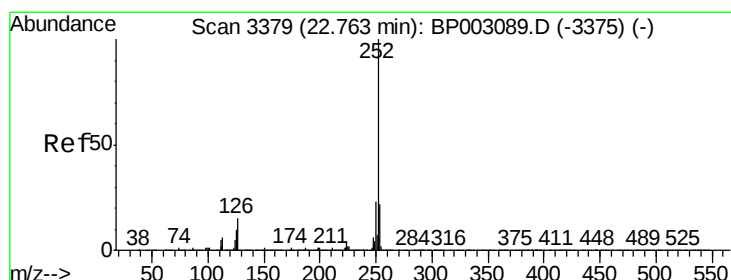
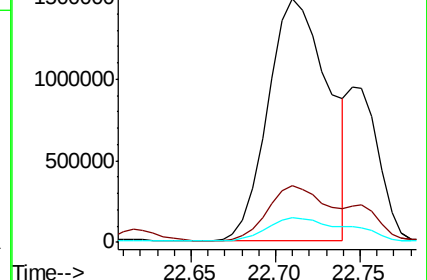
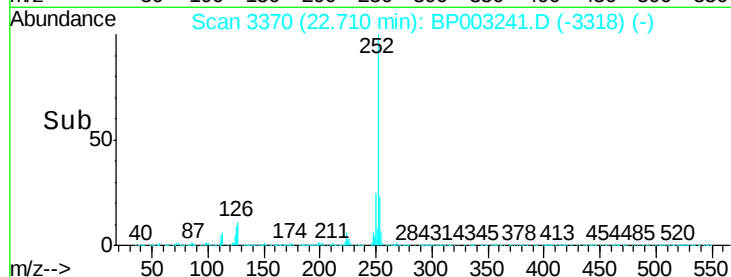
125 10.0 7.3 10.9



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: 62.942 ng

RT: 22.71 min Scan# 3370

Delta R.T. -0.04 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

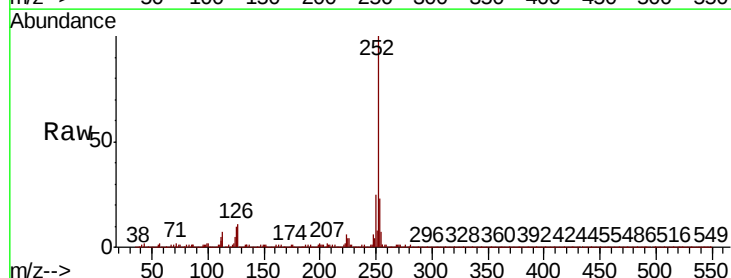
Tgt Ion:252 Resp: 3682928

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

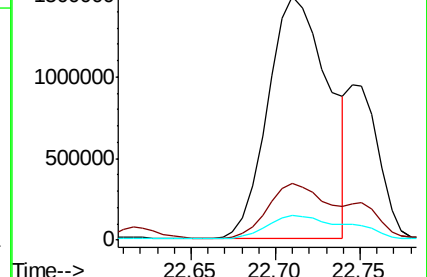
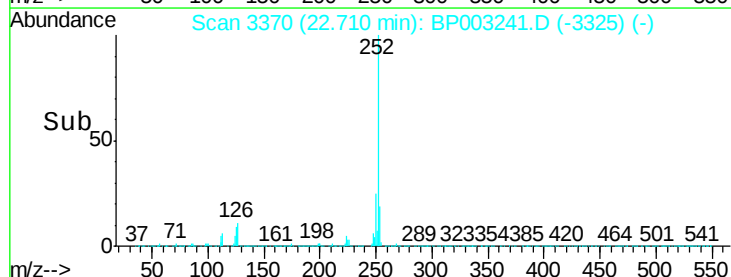
125 10.0 7.4 11.2

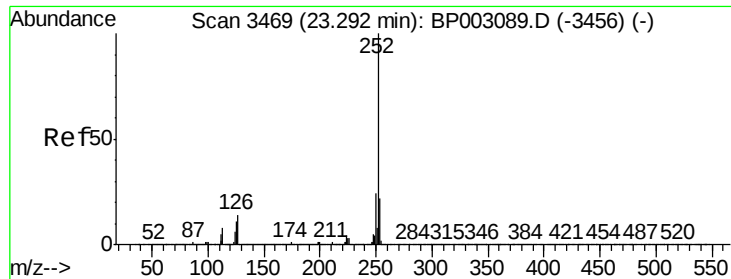


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 49.929 ng

RT: 23.29 min Scan# 3468

Delta R.T. 0.01 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

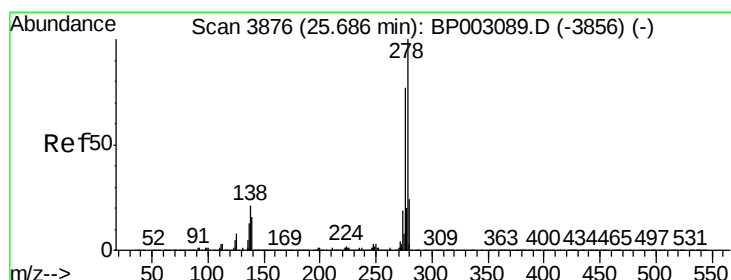
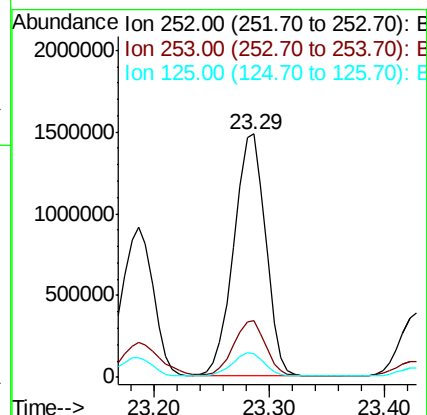
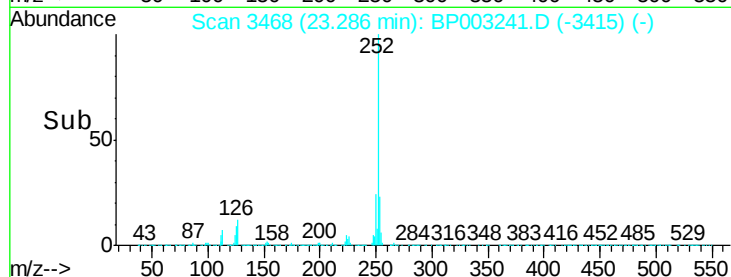
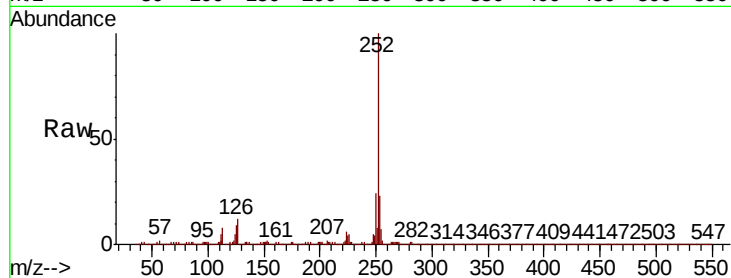
BNA_P

ClientSampleId :

SU-04-090820

Tot Ion:252 Resp: 2836755

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.5	8.2	12.4



#91

Dibenzo(a,h)anthracene

Concen: 7.369 ng

RT: 25.92 min Scan# 3915

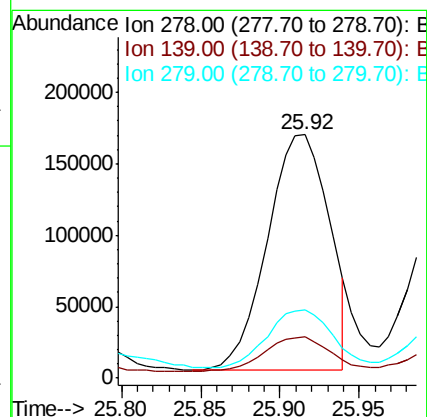
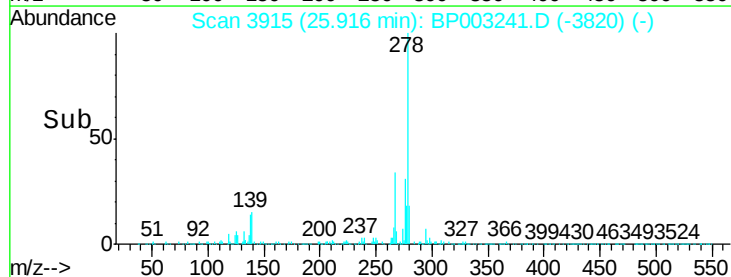
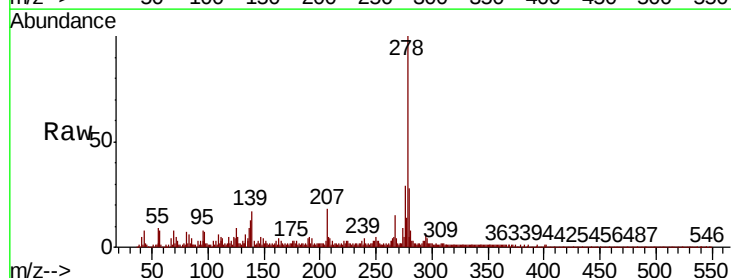
Delta R.T. 0.26 min

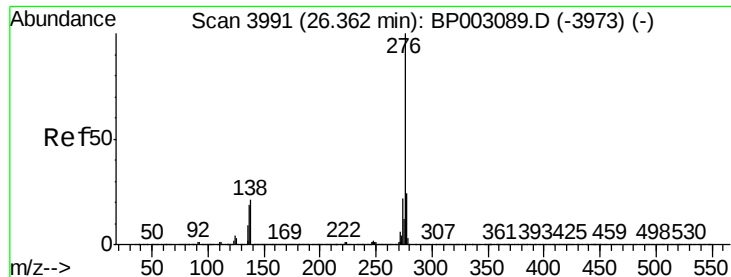
Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Tgt Ion:278 Resp: 444801

Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.4	18.6
279	28.1	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 27.673 ng

RT: 26.35 min Scan# 3989

Delta R.T. 0.02 min

Lab File: BP003241.D

Acq: 09 Sep 2020 15:20

Instrument :

BNA_P

ClientSampleId :

SU-04-090820

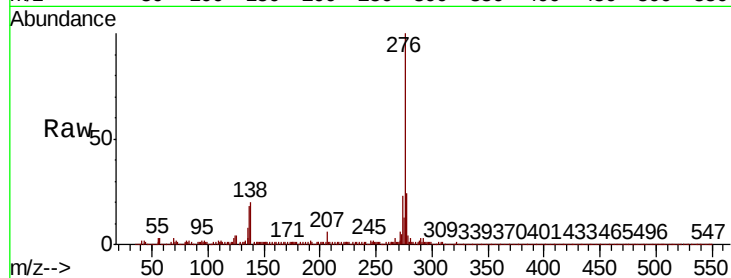
Tot Ion:276 Resp: 1676351

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 19.7 16.6 24.8



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

