

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP061920\
 Data File : BP002465.D
 Acq On : 19 Jun 2020 18:51
 Operator : CG/JU
 Sample : L3052-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 IWS

Quant Time: Jun 20 02:23:40 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

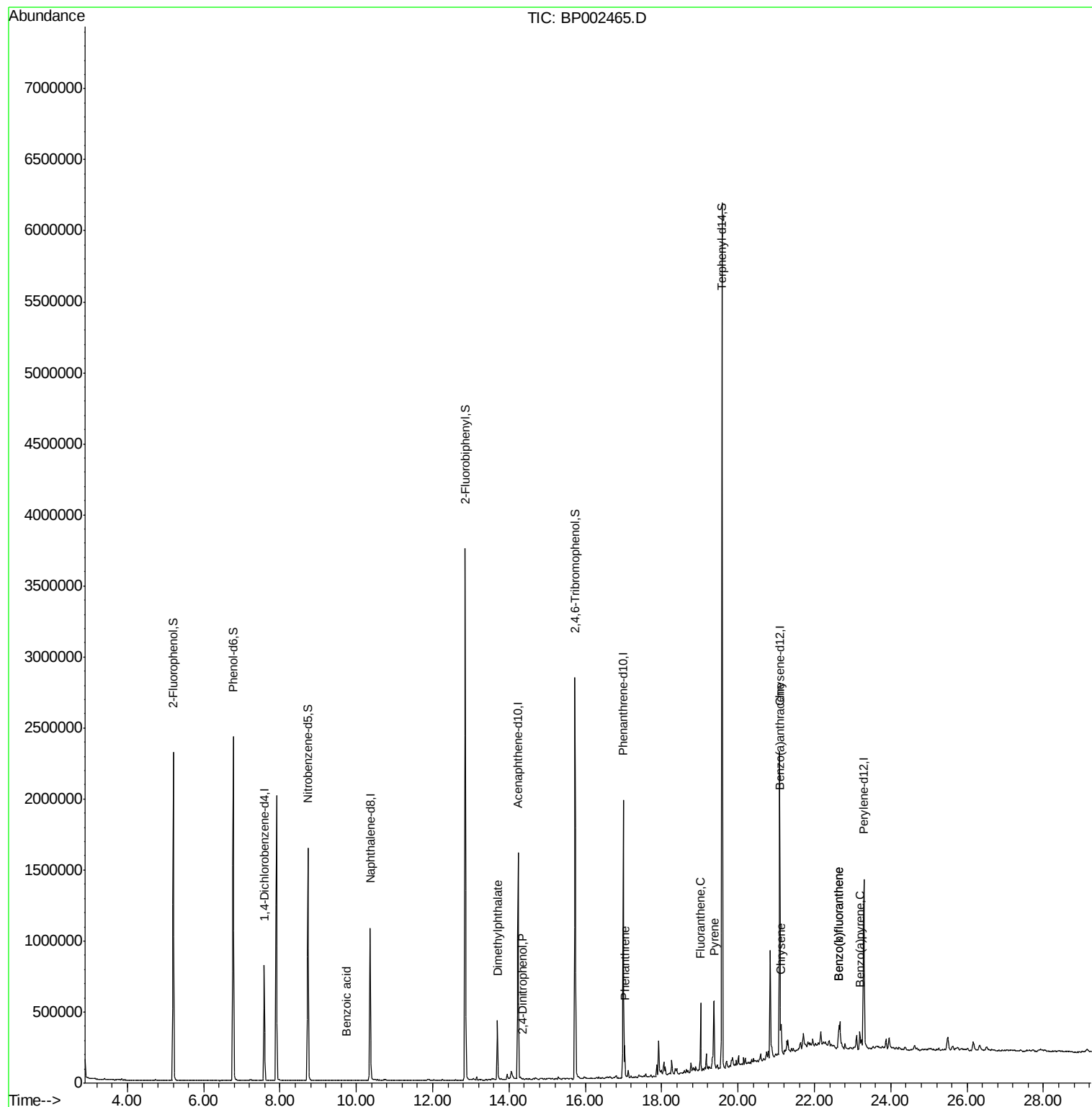
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	208513	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	869779	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	536375	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	1163008	20.00	ng	0.00
76) Chrysene-d12	21.09	240	906309	20.00	ng	-0.02
86) Perylene-d12	23.29	264	810997	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	983996	87.32	ng	0.00
7) Phenol-d6	6.78	99	1374145	91.59	ng	0.00
23) Nitrobenzene-d5	8.73	82	944378	64.84	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	511811	99.66	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1965509	61.61	ng	0.00
79) Terphenyl-d14	19.58	244	2814110	77.29	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	155	Below Cal		Qvalue # 28
32) Benzoic acid	9.74	122	90	4.608 ng	#	10
50) Dimethylphthalate	13.69	163	257703	7.012 ng		99
54) 2,4-Dinitrophenol	14.35	184	16	2.789 ng	#	1
61) 4-Chlorophenyl-phenylether	15.30	204	13	Below Cal	#	1
71) Phenanthrene	17.03	178	129114	2.373 ng		99
75) Fluoranthene	19.02	202	278992	4.296 ng		98
78) Pyrene	19.37	202	287728	5.183 ng		98
81) Benzo(a)anthracene	21.08	228	118778	2.296 ng		95
83) Chrysene	21.13	228	138805	2.832 ng		96
88) Benzo(b)fluoranthene	22.63	252	194862	4.456 ng		97
89) Benzo(k)fluoranthene	22.63	252	194862	4.689 ng		97
90) Benzo(a)pyrene	23.19	252	88340	2.155 ng	#	96

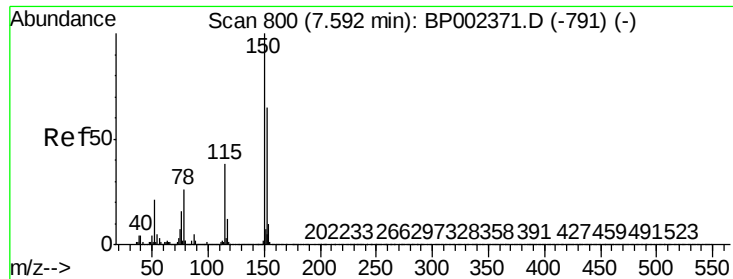
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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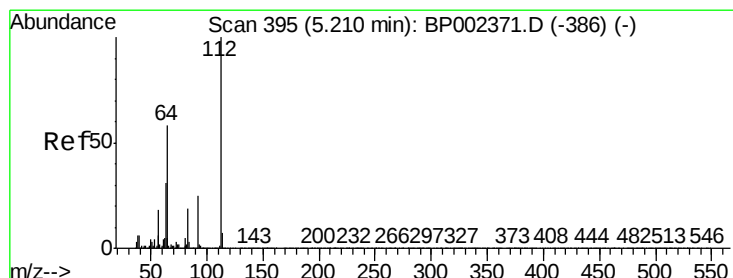
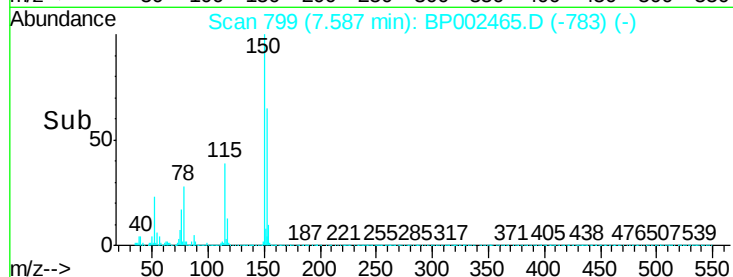
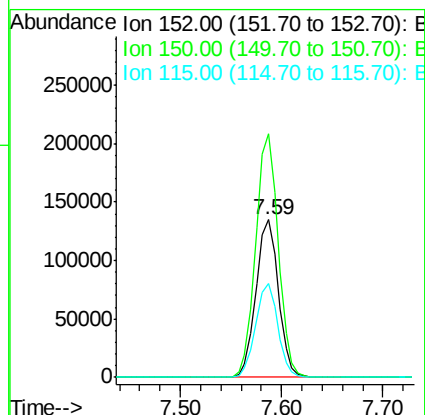
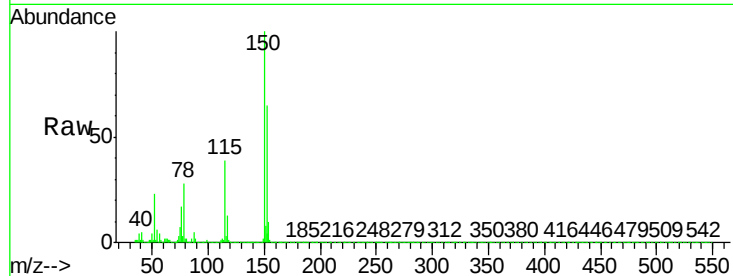


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.59 min Scan# 799
Delta R.T. -0.01 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

Instrument :
BNA_P
ClientSampleId :
IWS

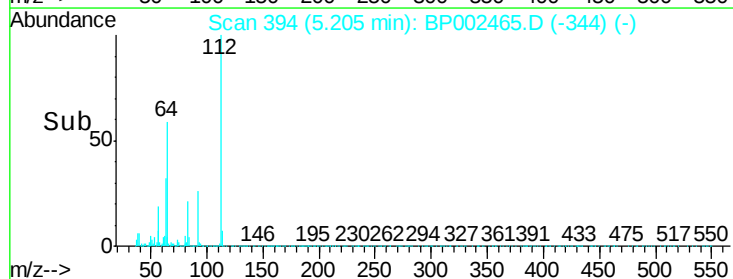
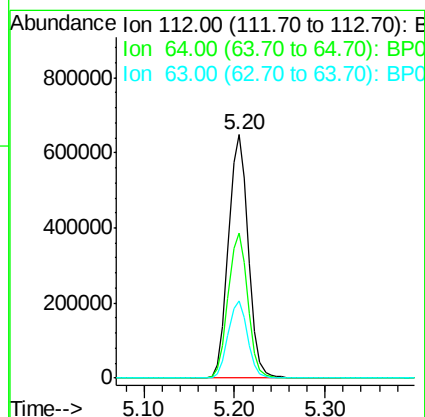
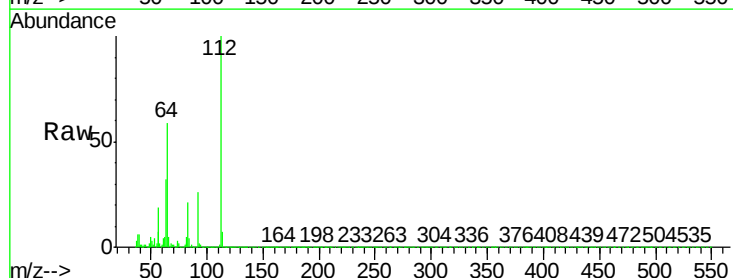
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.0	186.0
115	59.6	47.4	71.0



#5

2-Fluorophenol
Concen: 87.323 ng
RT: 5.20 min Scan# 394
Delta R.T. -0.01 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.2	69.2
63	31.8	24.5	36.7





#7

Phenol-d6

Concen: 91.593 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

Instrument :

BNA_P

ClientSampleId :

IWS

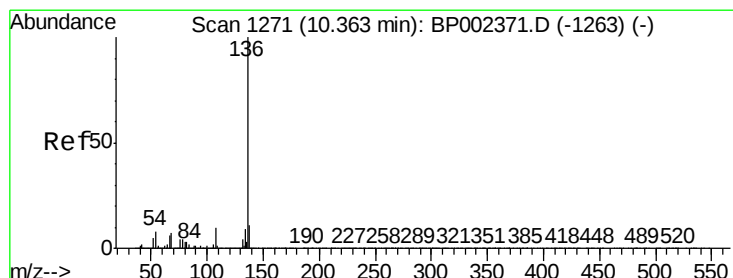
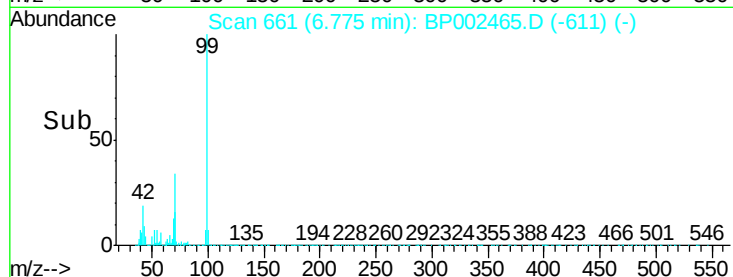
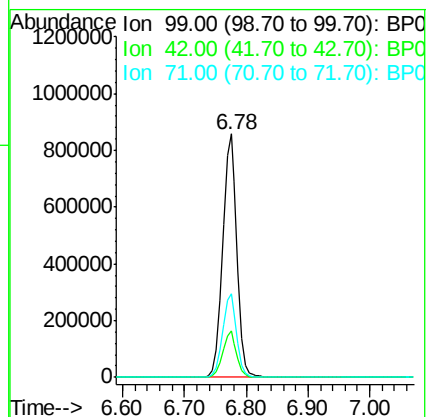
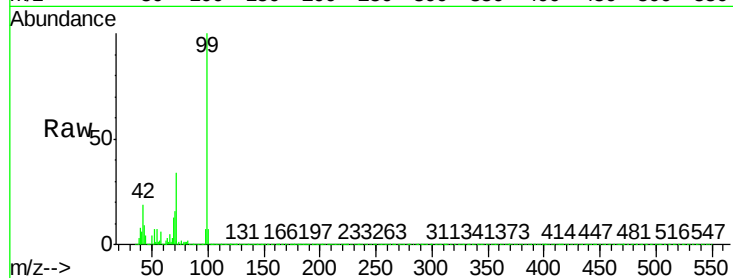
Tot Ion: 99 Resp: 1374145

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.6	22.0
71	34.3	27.2	40.8

99 100

42 18.8 14.6 22.0

71 34.3 27.2 40.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

Tgt Ion: 136 Resp: 869779

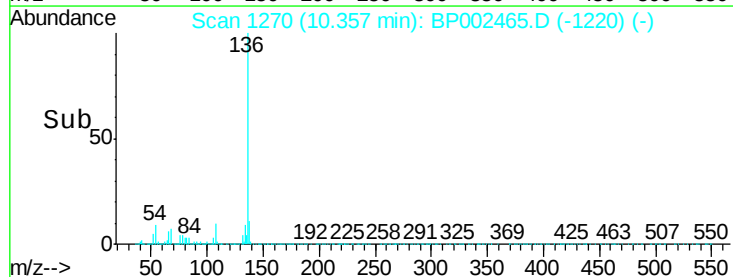
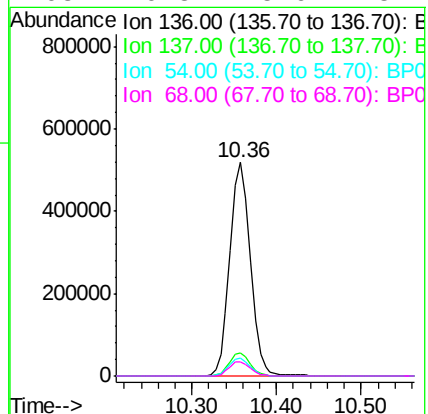
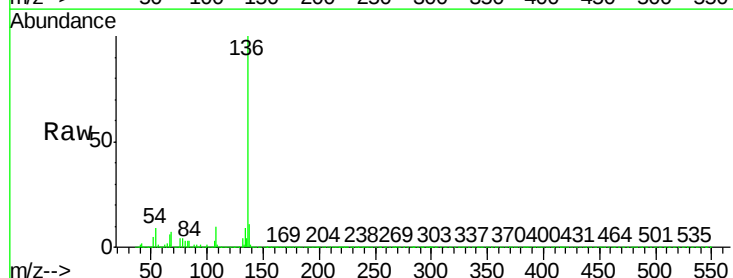
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.6	6.4	9.6
68	6.8	5.6	8.4

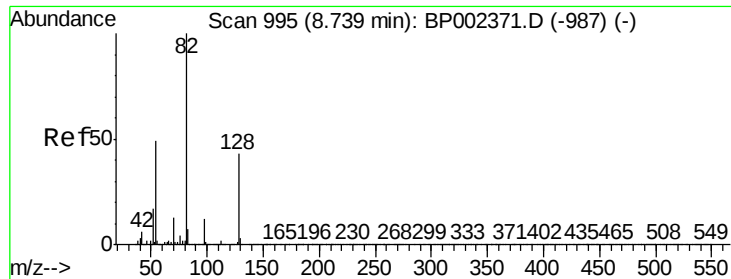
136 100

137 10.7 8.8 13.2

54 8.6 6.4 9.6

68 6.8 5.6 8.4

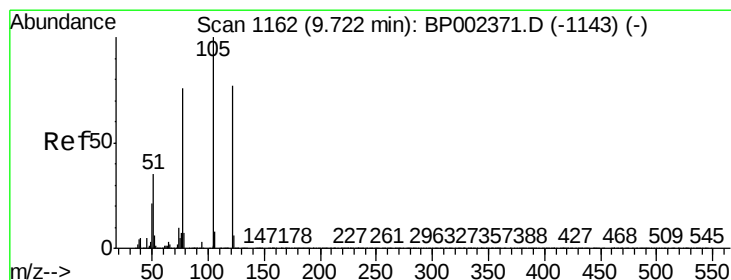
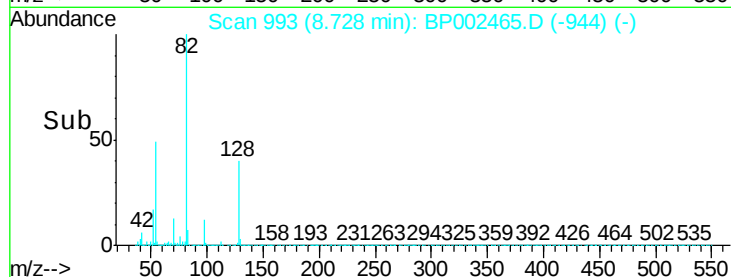
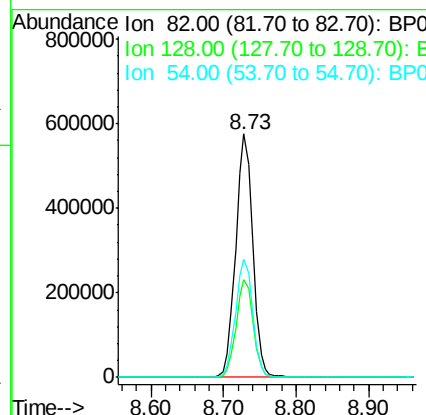
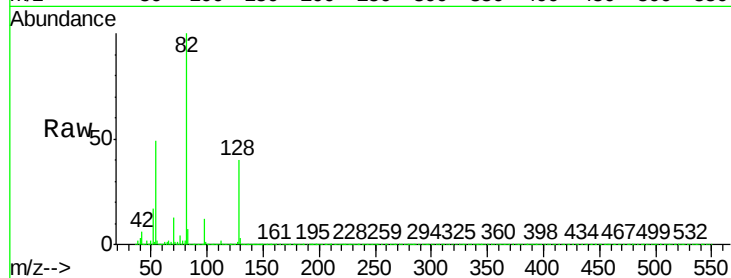




#23
 Nitrobenzene-d5
 Concen: 64.841 ng
 RT: 8.73 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BP002465.D
 Acq: 19 Jun 2020 18:51

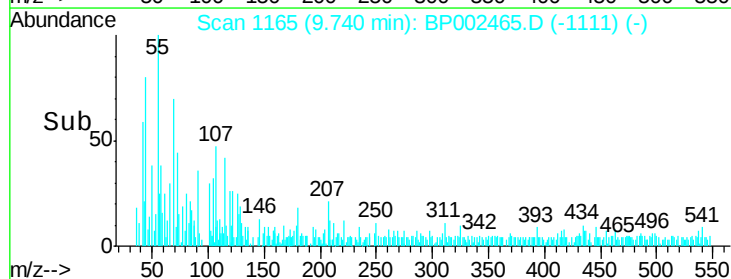
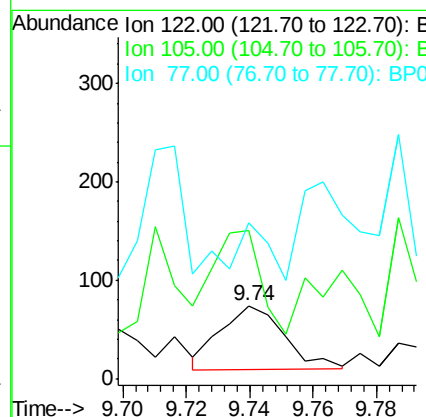
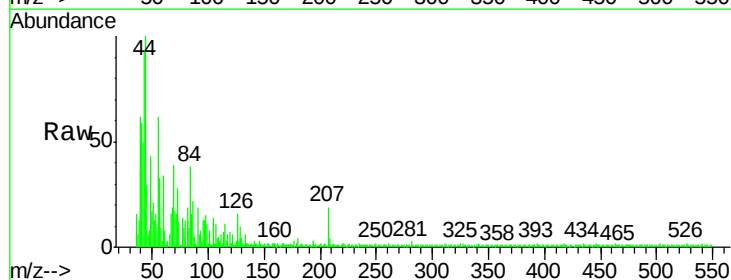
Instrument :
 BNA_P
 ClientSampleId :
 IWS

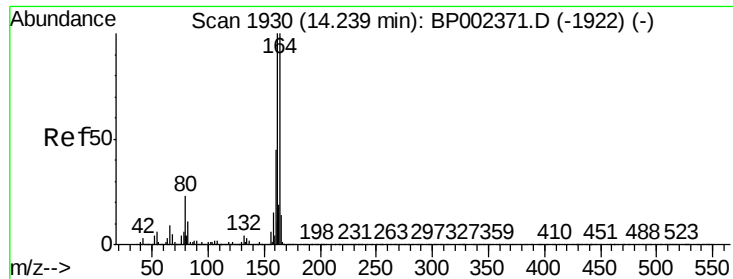
Tot Ion	82	Resp	944378
Ion Ratio	Lower	Upper	
82	100		
128	40.3	34.5	51.7
54	48.7	39.4	59.2



#32
 Benzoic acid
 Concen: 4.608 ng
 RT: 9.74 min Scan# 1165
 Delta R.T. 0.02 min
 Lab File: BP002465.D
 Acq: 19 Jun 2020 18:51

Tgt Ion	122	Resp	90
Ion Ratio	Lower	Upper	
122	100		
105	204.1	106.3	146.3#
77	213.5	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: BP002465.D

Acq: 19 Jun 2020 18:51

Instrument :

BNA_P

ClientSampleId :

IWS

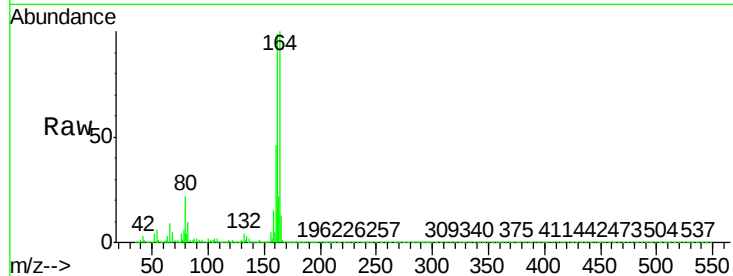
Tot Ion:164 Resp: 536375

Ion Ratio Lower Upper

164 100

162 98.7 79.8 119.8

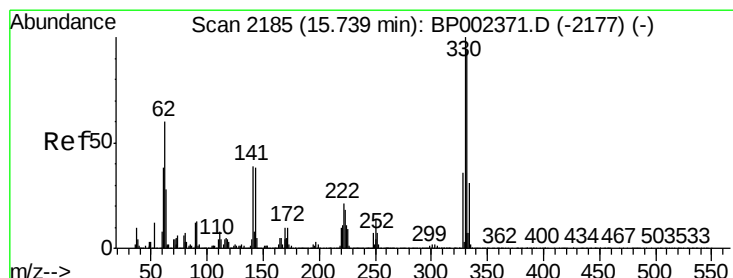
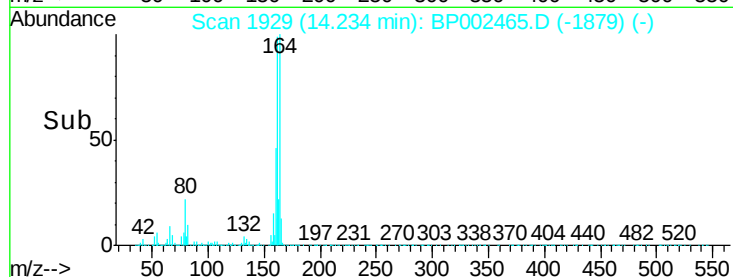
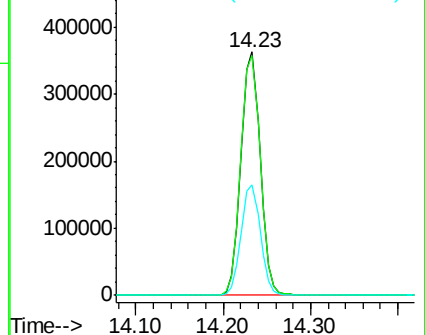
160 45.6 36.2 54.2



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: 99.663 ng

RT: 15.73 min Scan# 2184

Delta R.T. -0.01 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

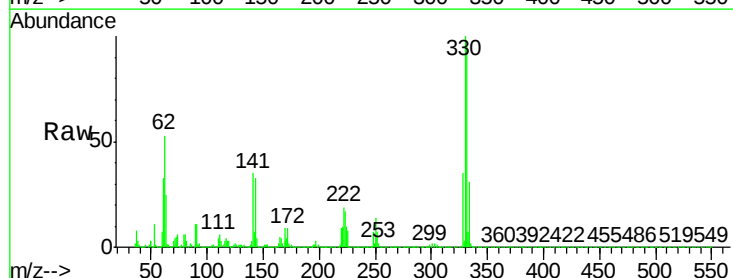
Tgt Ion:330 Resp: 511811

Ion Ratio Lower Upper

330 100

332 95.8 76.6 115.0

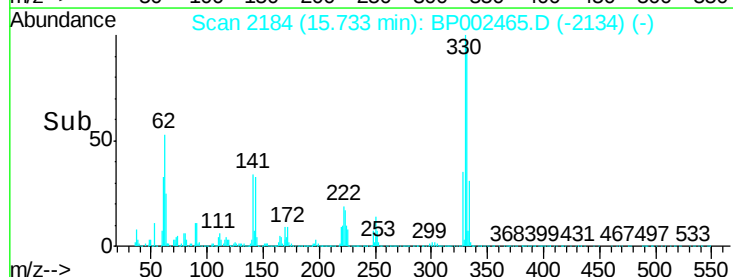
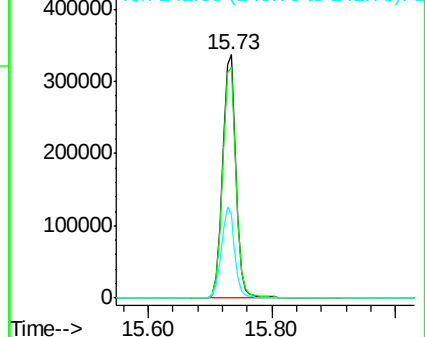
141 37.0 30.3 45.5

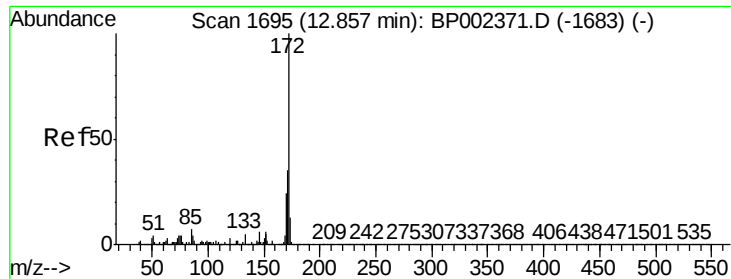


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

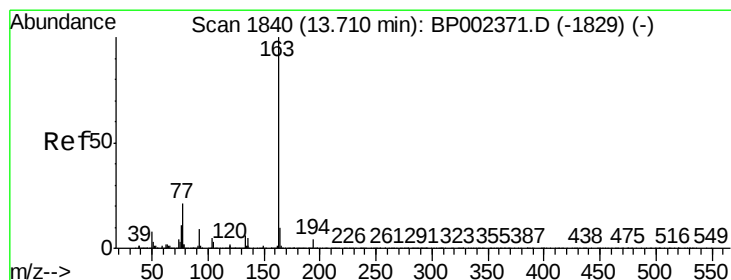
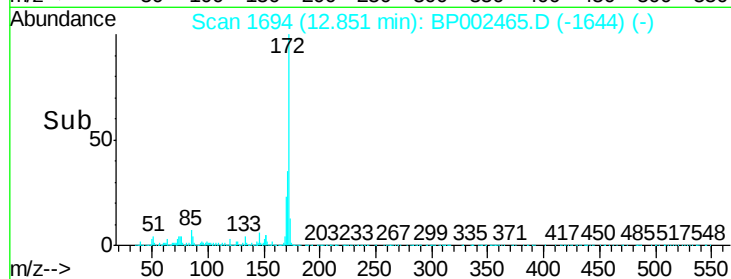
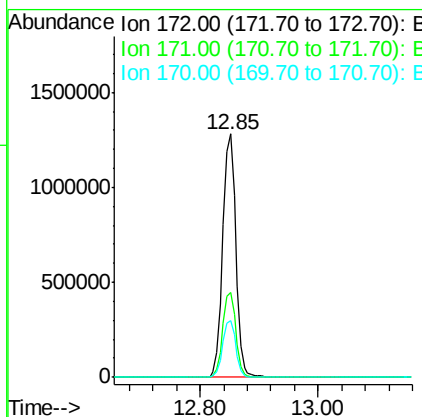
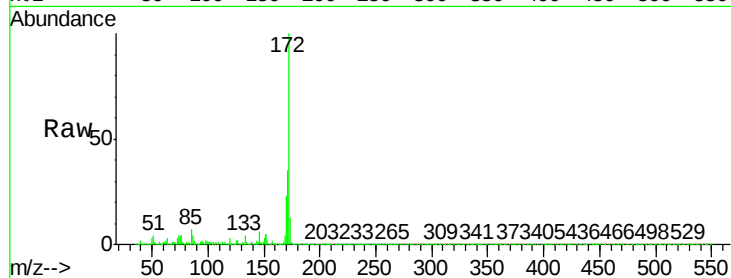




#45
2-Fluorobiphenyl
Concen: 61.614 ng
RT: 12.85 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

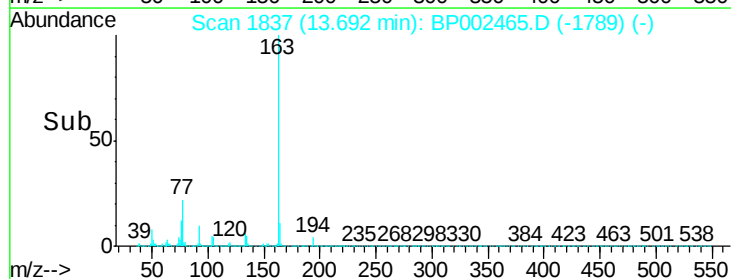
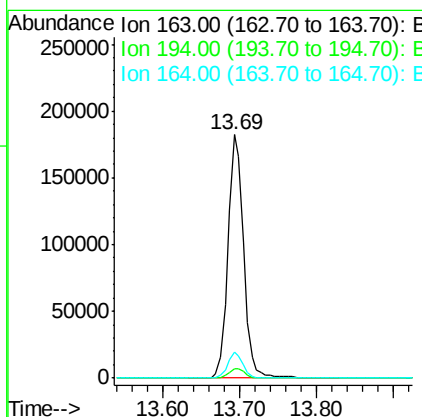
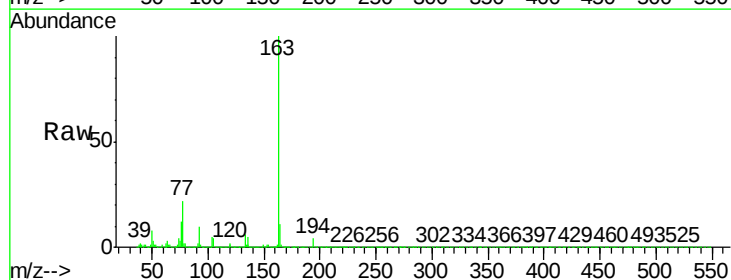
Instrument :
BNA_P
ClientSampleId :
IWS

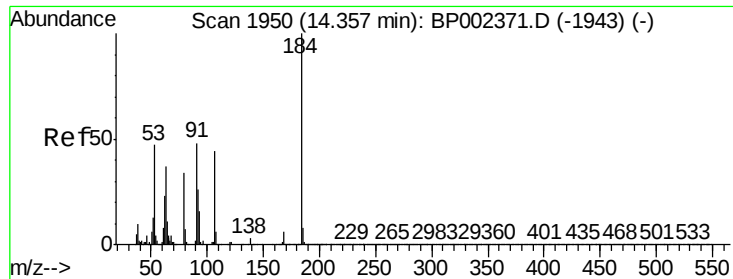
Tot Ion:172 Resp: 1965509
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.4 19.0 28.6



#50
Dimethylphthalate
Concen: 7.012 ng
RT: 13.69 min Scan# 1837
Delta R.T. -0.02 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

Tgt Ion:163 Resp: 257703
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.8 8.1 12.1

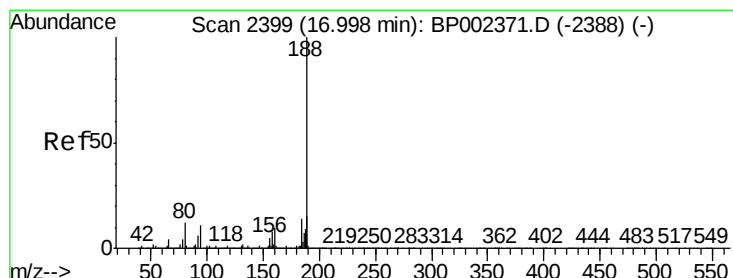
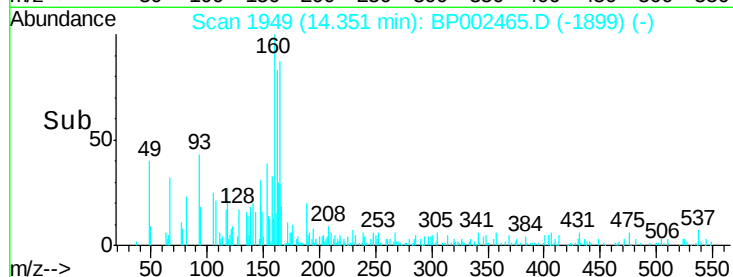
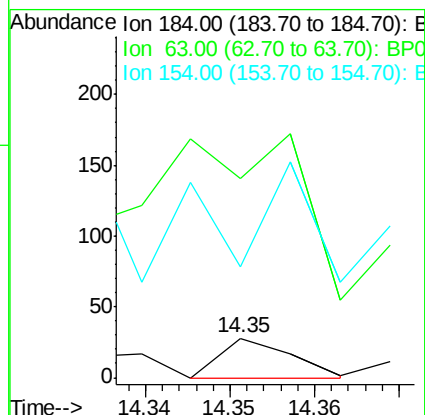
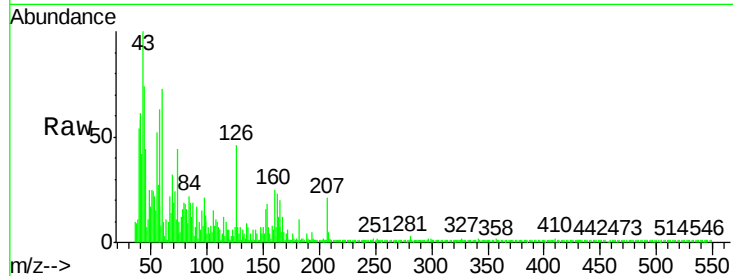




#54
2,4-Dinitrophenol
Concen: 2.789 ng
RT: 14.35 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

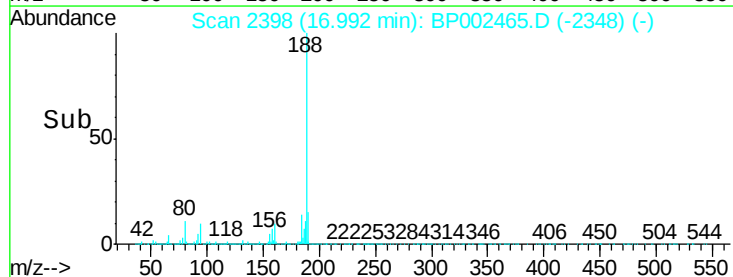
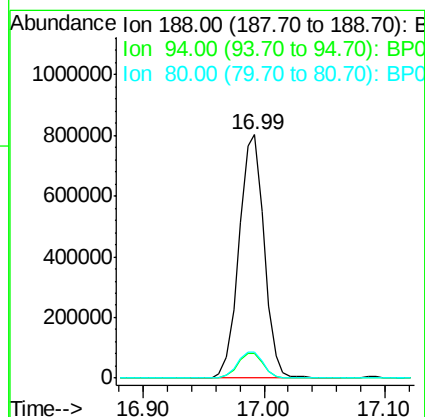
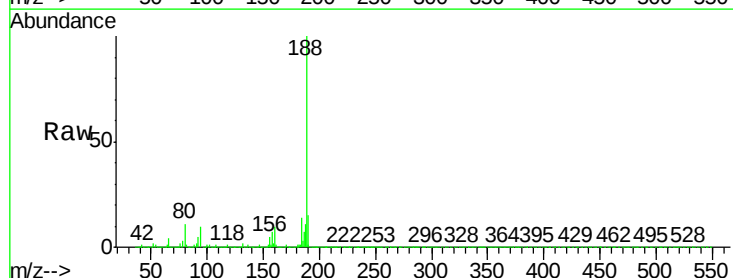
Instrument :
BNA_P
ClientSampled :
IWS

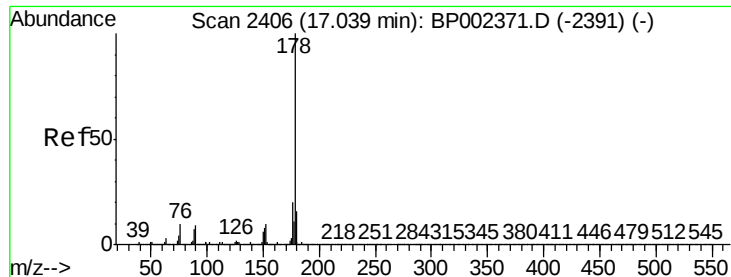
Tot Ion:184 Resp: 16
Ion Ratio Lower Upper
184 100
63 567.9 52.3 78.5#
154 278.6 48.6 72.8#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.99 min Scan# 2398
Delta R.T. -0.01 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

Tgt Ion:188 Resp: 1163008
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.8 9.4 14.0

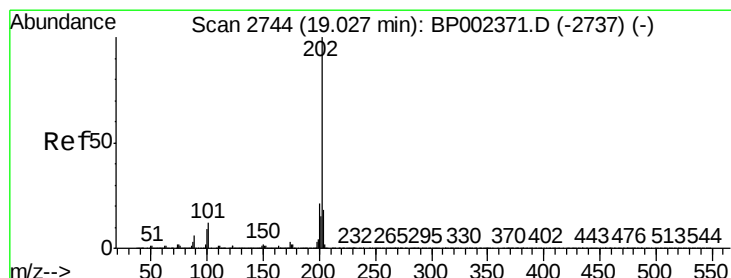
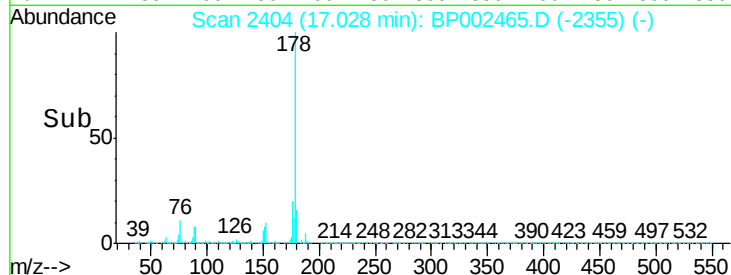
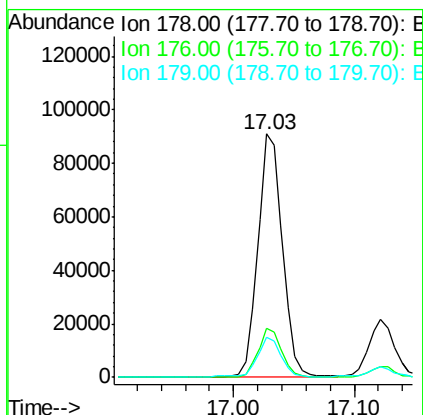
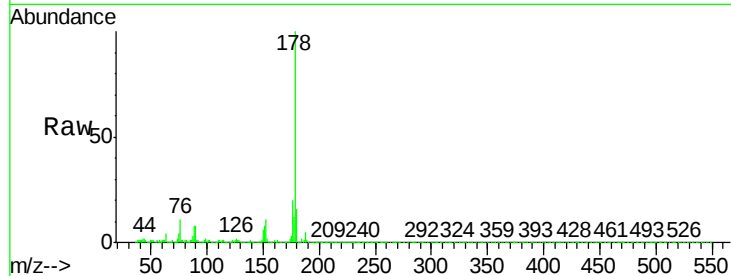




#71
Phenanthrene
Concen: 2.373 ng
RT: 17.03 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

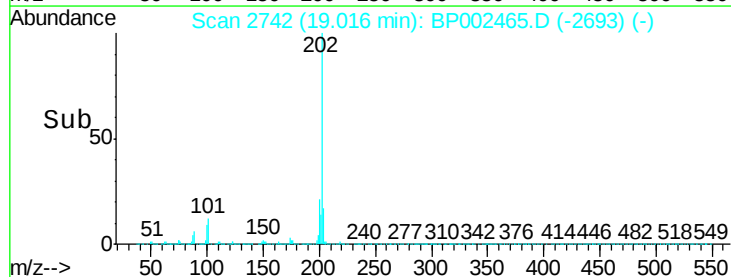
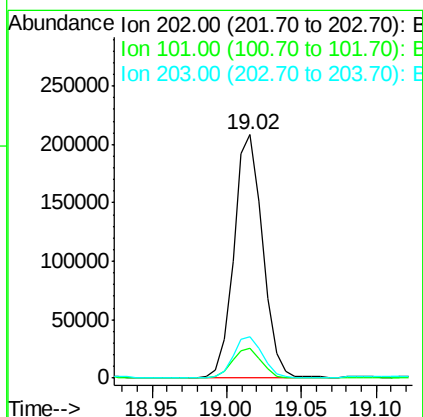
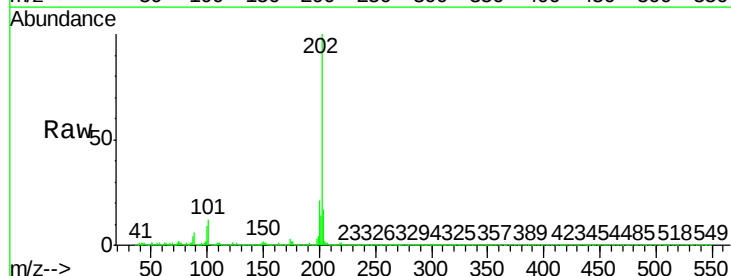
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ClientSampleId :
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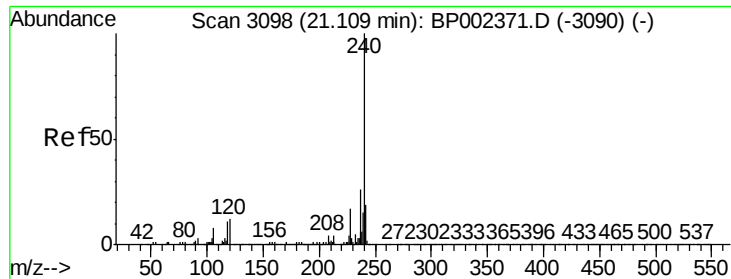
Tot Ion:178 Resp: 129114
Ion Ratio Lower Upper
178 100
176 20.2 15.8 23.6
179 16.2 12.5 18.7



#75
Fluoranthene
Concen: 4.296 ng
RT: 19.02 min Scan# 2742
Delta R.T. -0.01 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

Tgt Ion:202 Resp: 278992
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.8
203 16.9 0.0 38.0

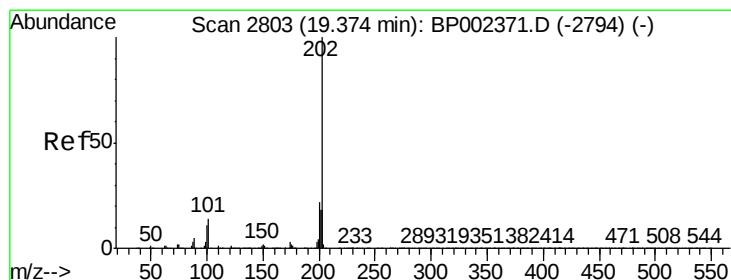
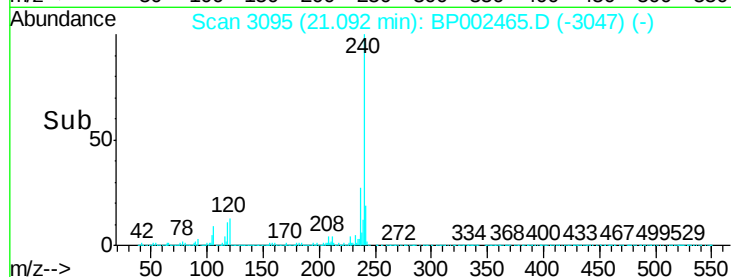
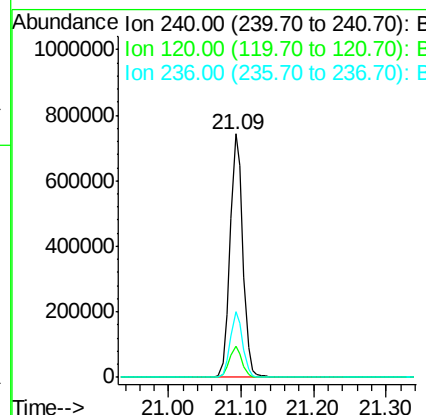
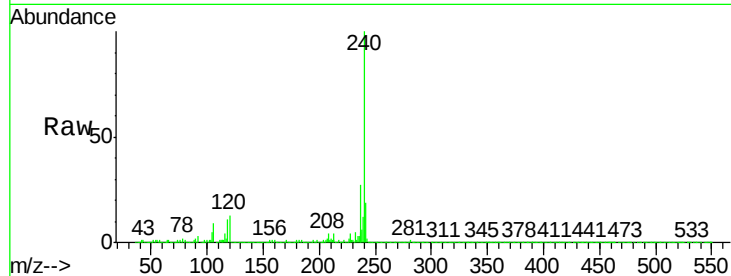




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.02 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

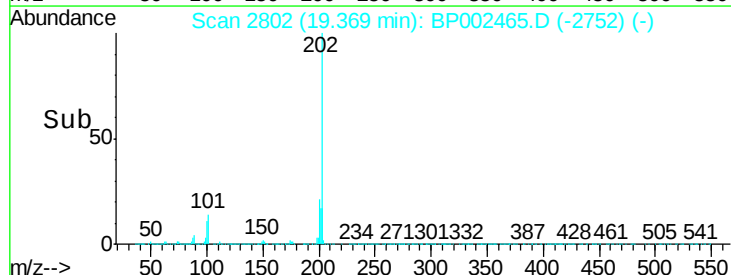
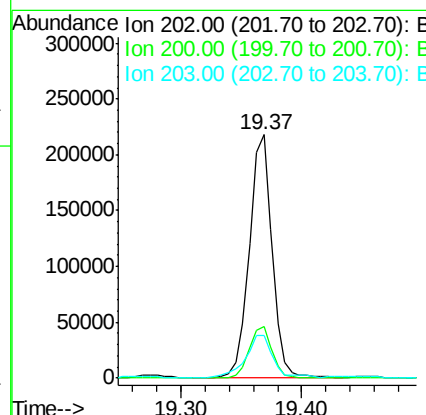
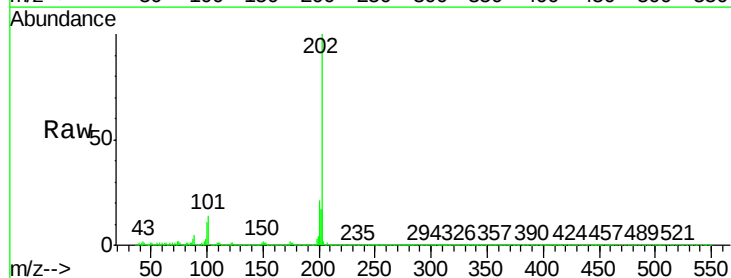
Instrument :
BNA_P
ClientSampled :
IWS

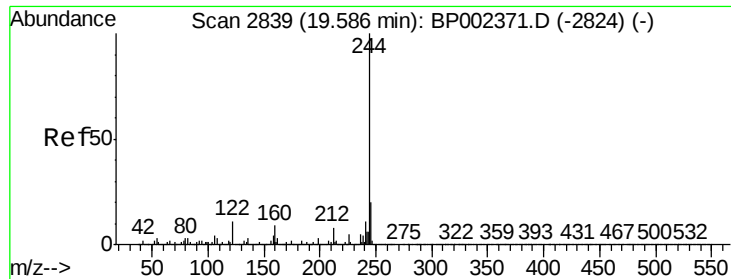
Tot Ion:240 Resp: 906309
Ion Ratio Lower Upper
240 100
120 12.6 9.3 13.9
236 26.7 21.0 31.6



#78
Pyrene
Concen: 5.183 ng
RT: 19.37 min Scan# 2802
Delta R.T. -0.01 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

Tgt Ion:202 Resp: 287728
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.4 14.6 22.0





#79

Terphenyl-d14

Concen: 77.293 ng

RT: 19.58 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

Instrument :

BNA_P

ClientSampled :

IWS

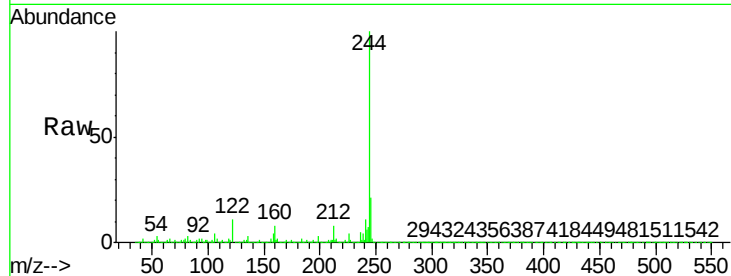
Tot Ion:244 Resp: 2814110

Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

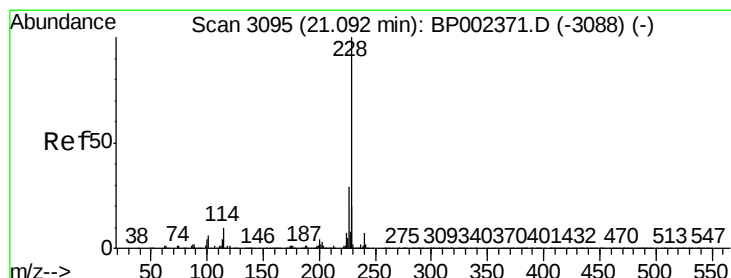
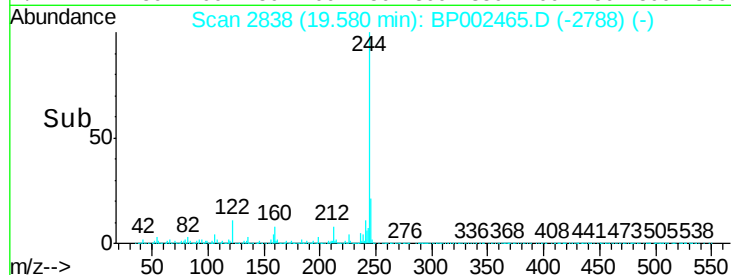
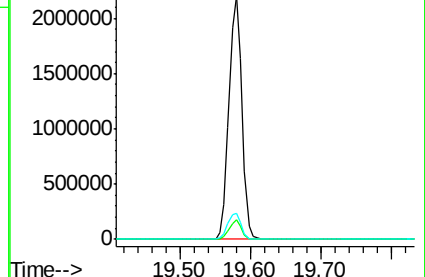
122 10.6 8.8 13.2



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: 2.296 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

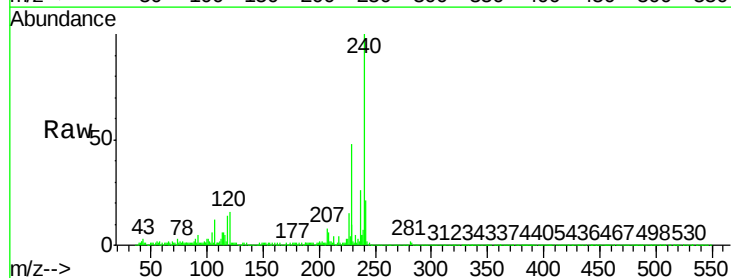
Tgt Ion:228 Resp: 118778

Ion Ratio Lower Upper

228 100

226 32.3 22.8 34.2

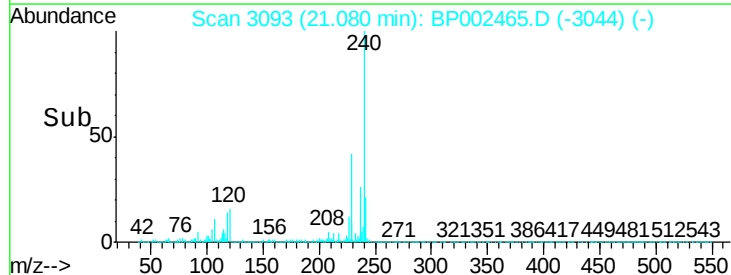
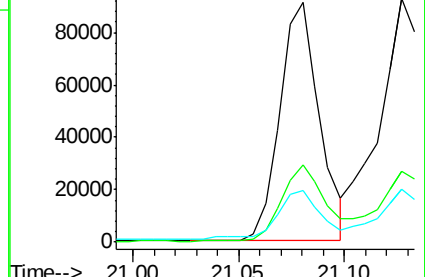
229 21.3 16.2 24.2

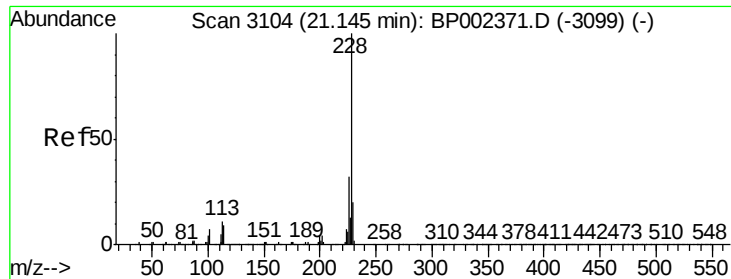


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

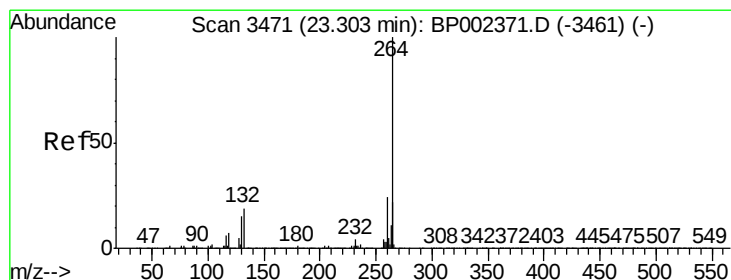
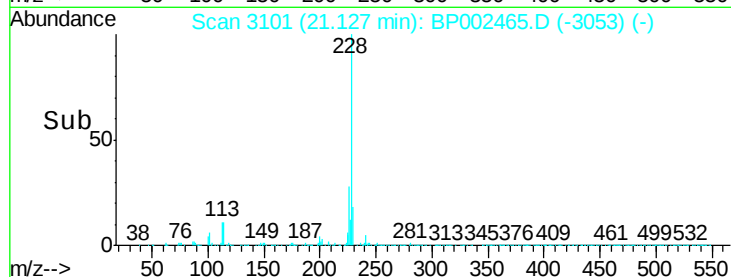
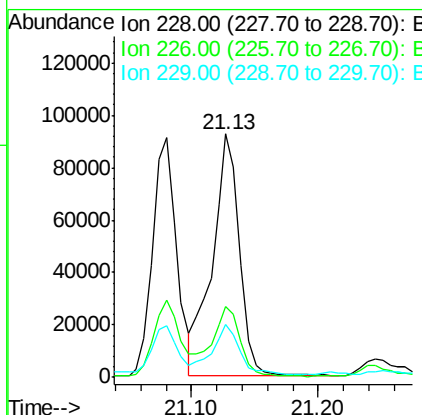
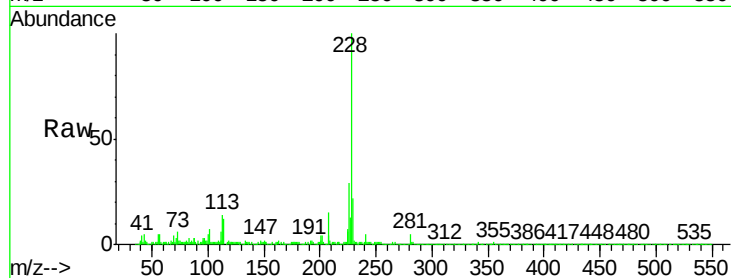




#83
Chrysene
Concen: 2.832 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

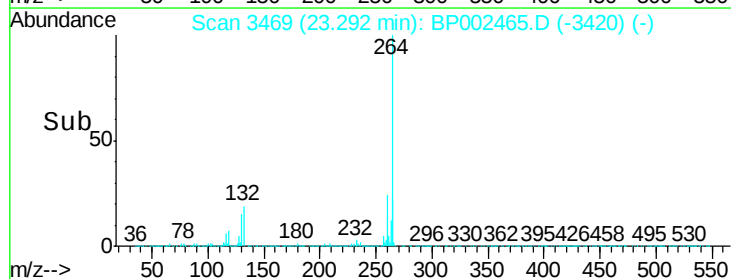
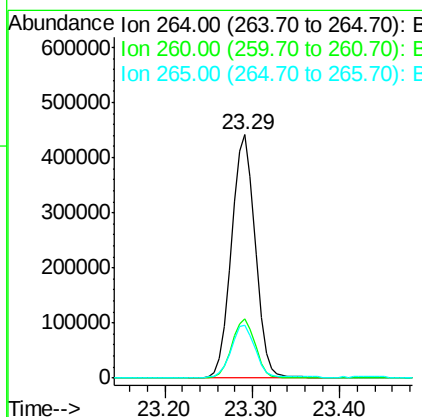
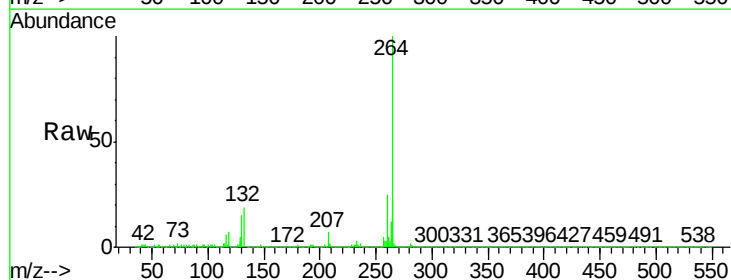
Instrument :
BNA_P
ClientSampleId :
IWS

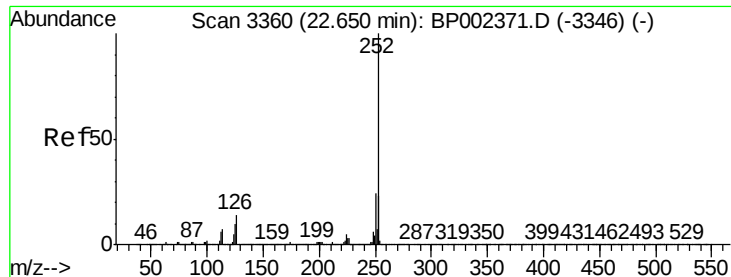
Tot Ion:228 Resp: 138805
Ion Ratio Lower Upper
228 100
226 29.0 25.2 37.8
229 22.0 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. -0.01 min
Lab File: BP002465.D
Acq: 19 Jun 2020 18:51

Tgt Ion:264 Resp: 810997
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 21.9 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 4.456 ng

RT: 22.63 min Scan# 3357

Delta R.T. -0.02 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

Instrument :

BNA_P

ClientSampleId :

IWS

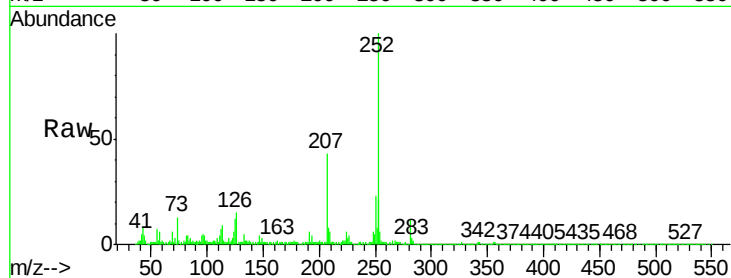
Tot Ion:252 Resp: 194862

Ion Ratio Lower Upper

252 100

253 21.3 18.1 27.1

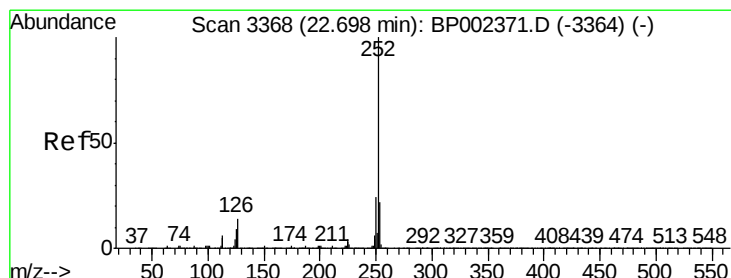
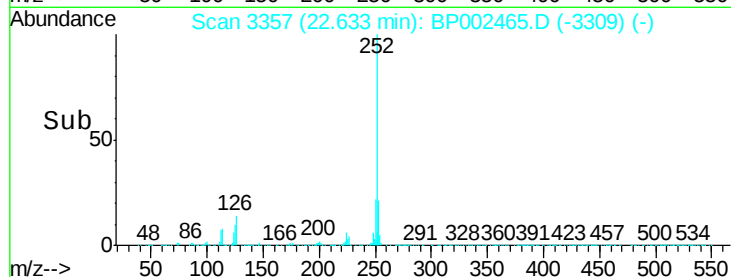
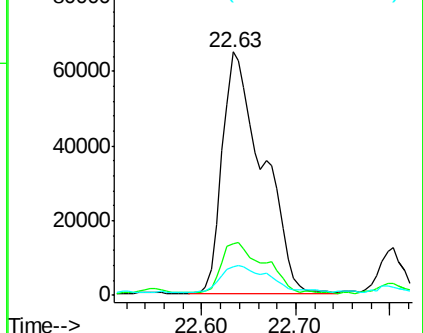
125 11.6 8.2 12.2



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: 4.689 ng

RT: 22.63 min Scan# 3357

Delta R.T. -0.06 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

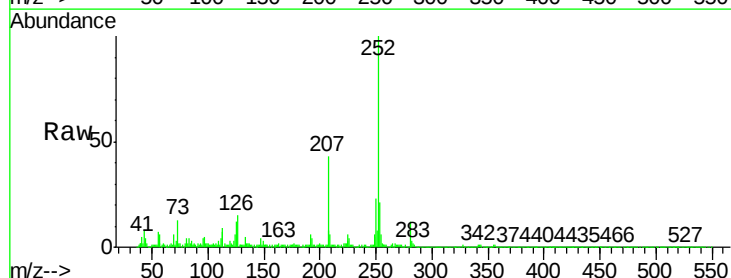
Tgt Ion:252 Resp: 194862

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

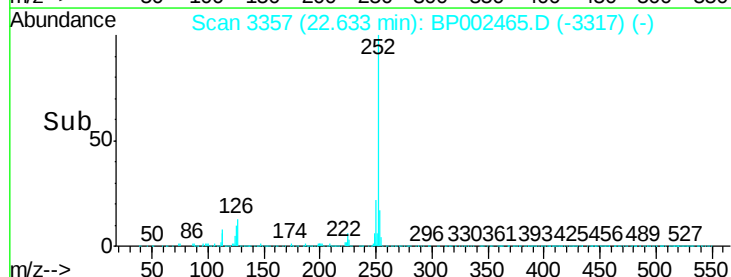
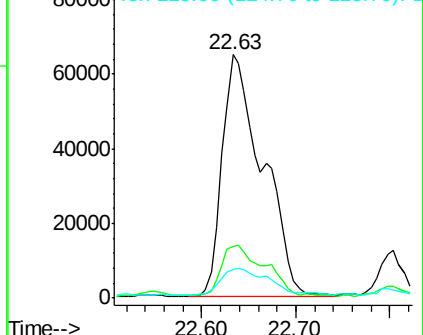
125 11.6 7.8 11.8

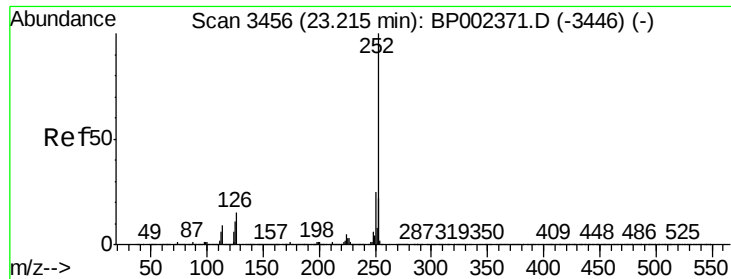


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.155 ng

RT: 23.19 min Scan# 3452

Delta R.T. -0.02 min

Lab File: BP002465.D

Acq: 19 Jun 2020 18:51

Instrument :

BNA_P

ClientSampleId :

IWS

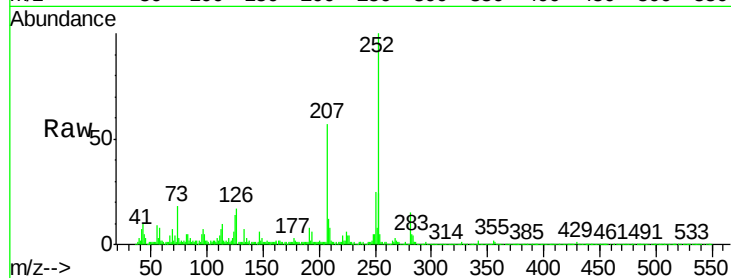
Tot Ion:252 Resp: 88340

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 13.8 9.2 13.8#



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

