

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
 Data File : BP002343.D
 Acq On : 01 Jun 2020 17:26
 Operator : CG/JU
 Sample : L2745-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jun 01 18:45:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 15:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	418973	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1676165	20.00	ng	0.00
39) Acenaphthene-d10	14.26	164	992866	20.00	ng	0.00
64) Phenanthrene-d10	17.02	188	2082724	20.00	ng	0.00
76) Chrysene-d12	21.12	240	1768730	20.00	ng	0.00
86) Perylene-d12	23.33	264	1864686	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	1574141	70.56	ng	0.00
7) Phenol-d6	6.80	99	2152290	70.92	ng	0.00
23) Nitrobenzene-d5	8.75	82	1440448	51.67	ng	0.00
42) 2,4,6-Tribromophenol	15.76	330	733902	77.99	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	3011526	53.52	ng	0.00
79) Terphenyl-d14	19.60	244	3782840	51.79	ng	0.00

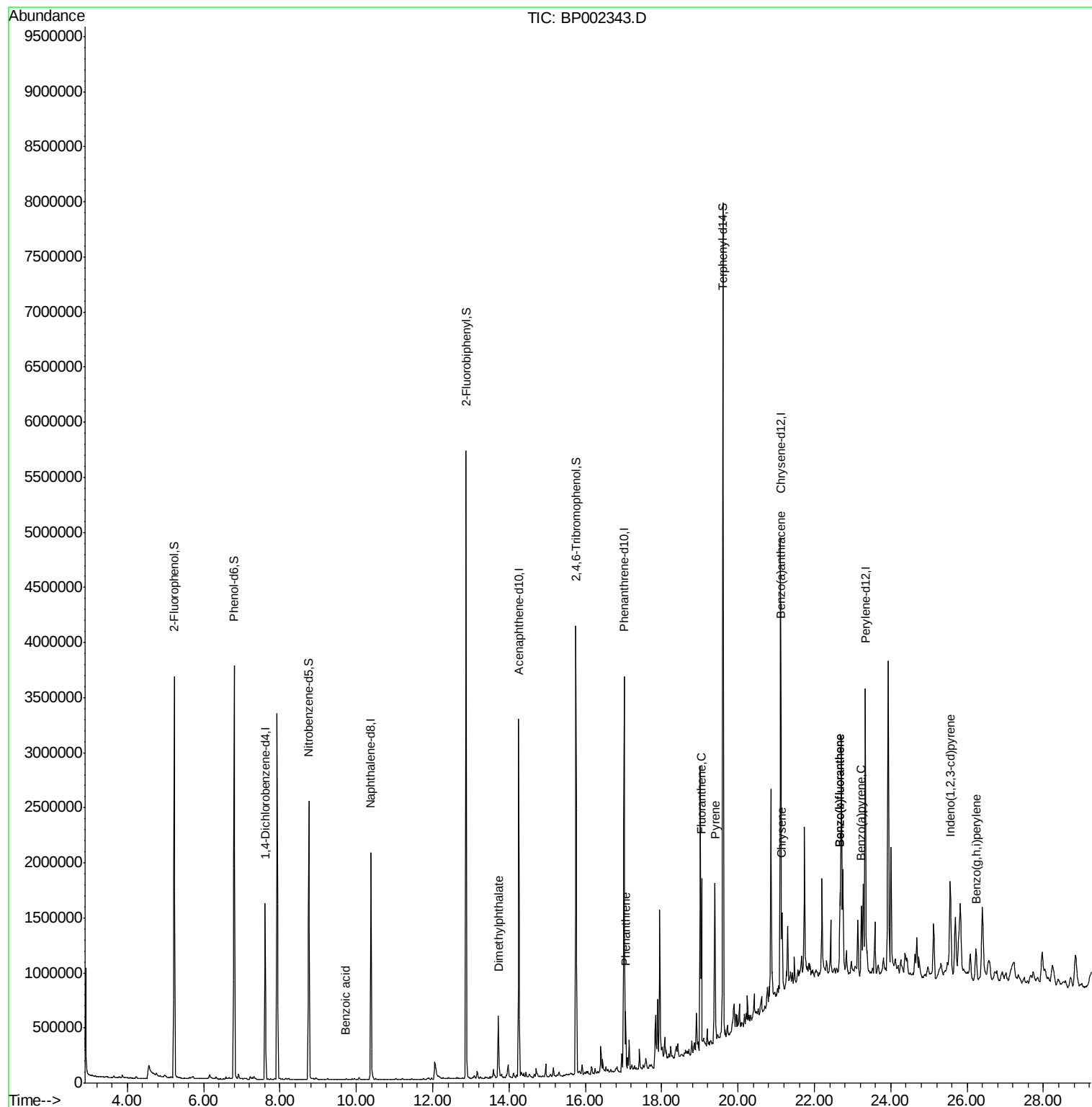
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.72	122	213	4.821	ng	# 10
50) Dimethylphthalate	13.72	163	320539	4.770	ng	99
71) Phenanthrene	17.06	178	312893	3.172	ng	99
75) Fluoranthene	19.04	202	845316	7.439	ng	99
78) Pyrene	19.39	202	864177	7.846	ng	99
81) Benzo(a)anthracene	21.10	228	468532	4.628	ng	97
83) Chrysene	21.15	228	429112	4.416	ng	96
87) Indeno(1,2,3-cd)pyrene	25.56	276	317141	2.748	ng	97
88) Benzo(b)fluoranthene	22.67	252	833949	8.203	ng	# 96
89) Benzo(k)fluoranthene	22.67	252	833949	8.548	ng	# 96
90) Benzo(a)pyrene	23.23	252	459256	4.870	ng	# 96
92) Benzo(a,h,i)perylene	26.23	276	325825	3.394	ng	# 92

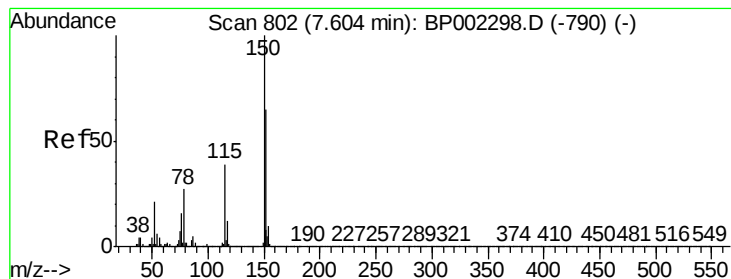
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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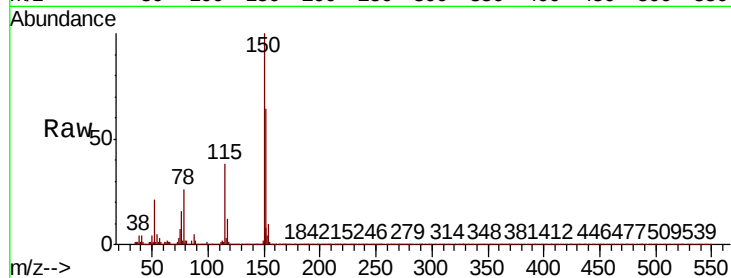


#1

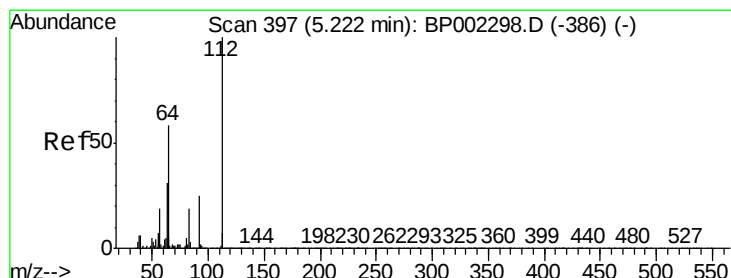
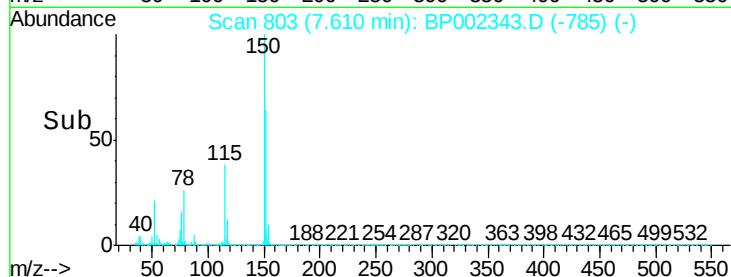
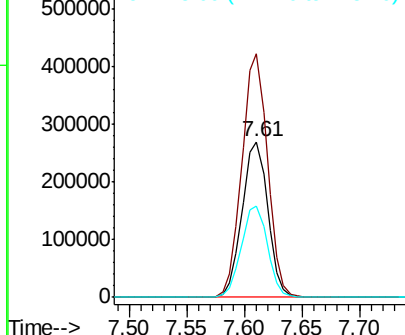
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.7	187.1
115	58.8	49.4	74.2



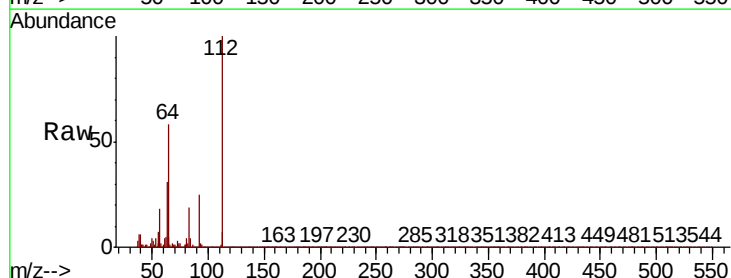
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



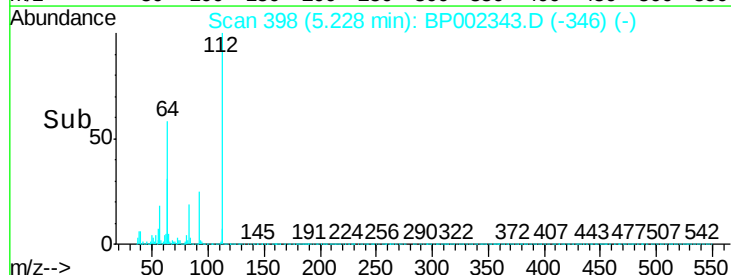
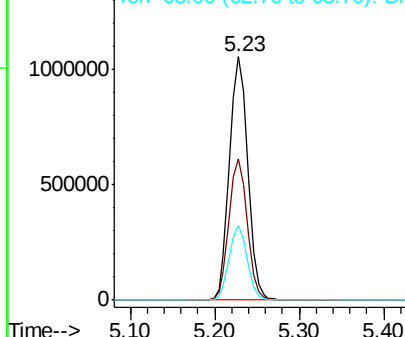
#5

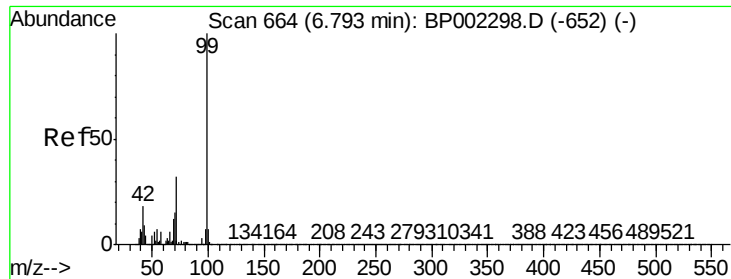
2-Fluorophenol
Concen: 70.564 ng
RT: 5.23 min Scan# 398
Delta R.T. 0.01 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.0	70.4
63	30.7	24.0	36.0



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: 70.925 ng

RT: 6.80 min Scan# 665

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

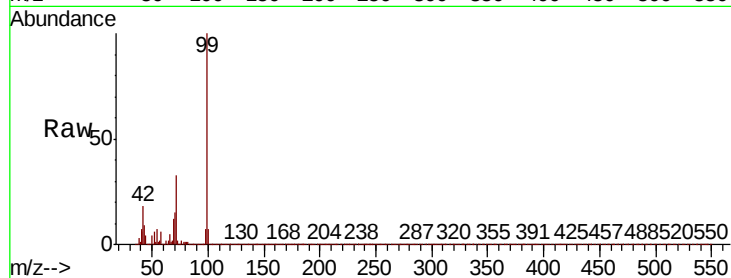
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 2152290

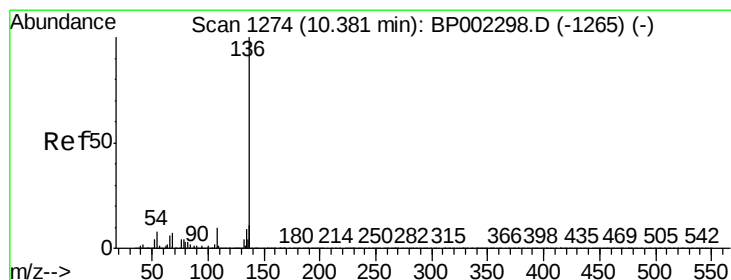
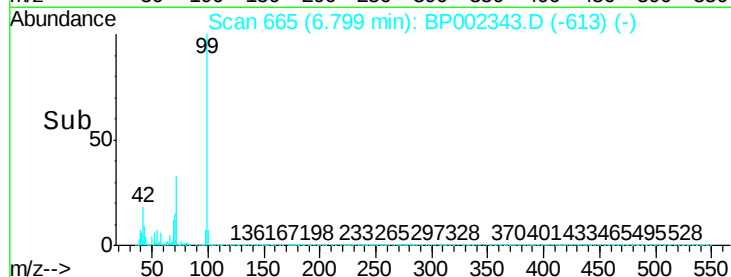
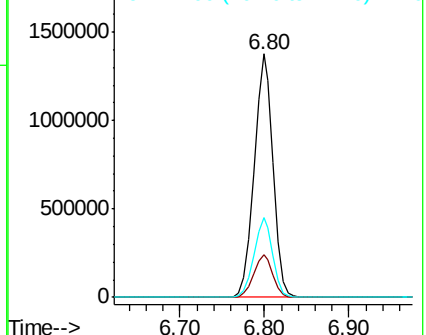
Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.9	20.9
71	32.6	25.8	38.8



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: 10.38 min Scan# 1274

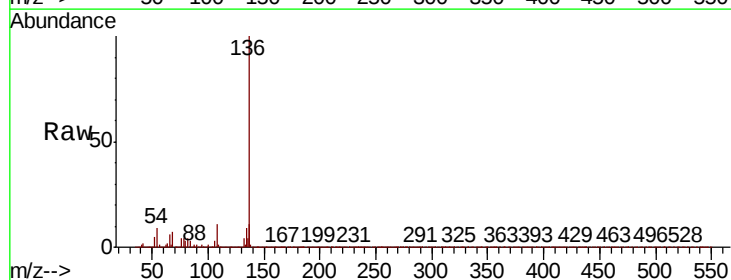
Delta R.T. -0.00 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

Tgt Ion: 136 Resp: 1676165

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.7	6.9	10.3
68	7.4	5.6	8.4

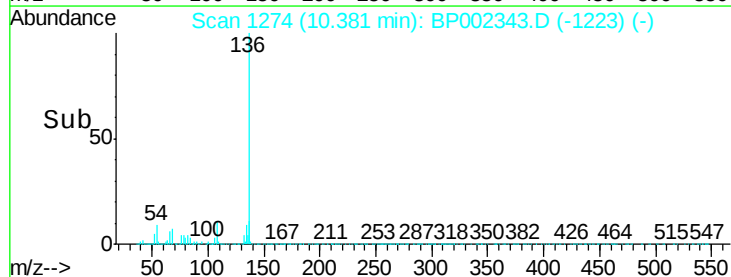
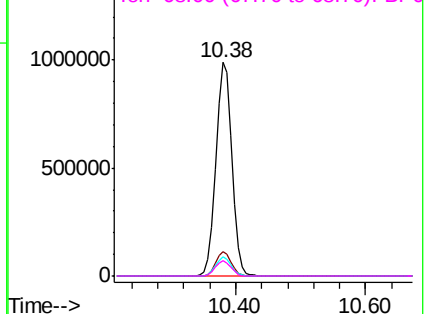


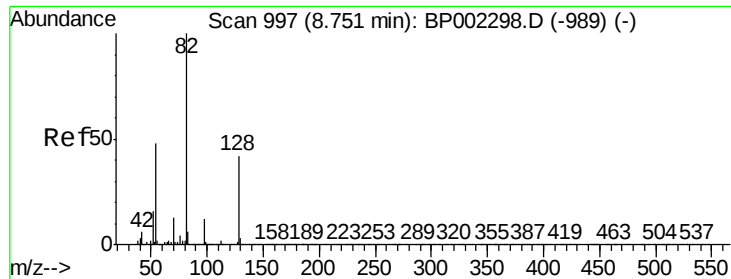
Abundance Ion 136.00 (135.70 to 136.70): E

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

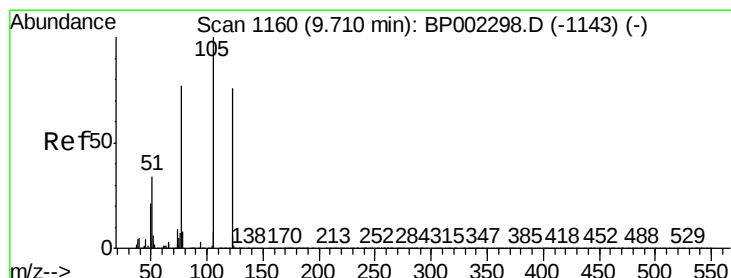
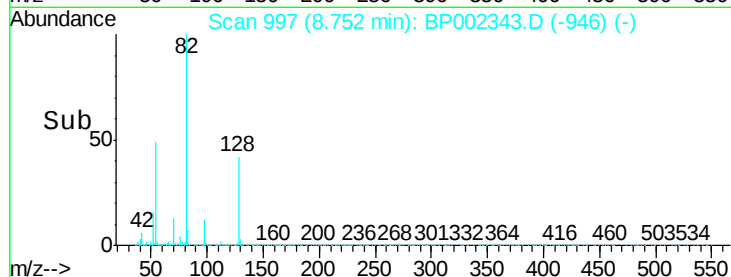
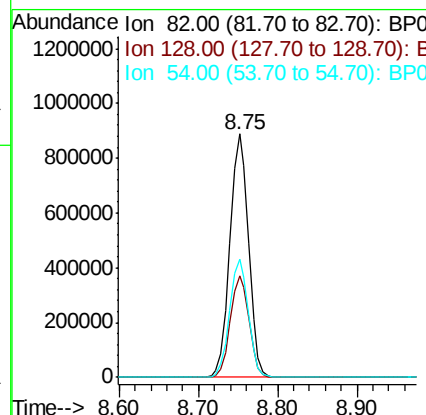
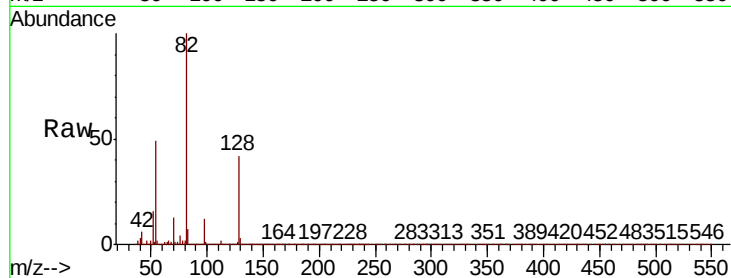




#23
 Nitrobenzene-d5
 Concen: 51.667 ng
 RT: 8.75 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BP002343.D
 Acq: 01 Jun 2020 17:26

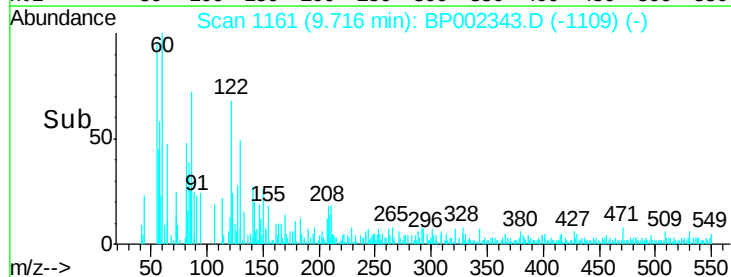
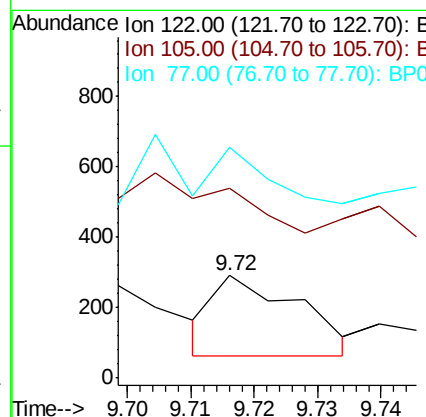
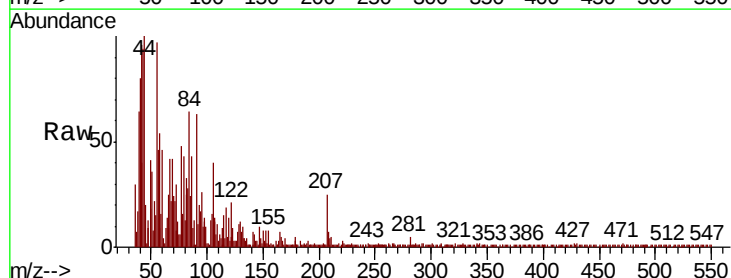
Instrument :
 BNA_P
 ClientSampleId :

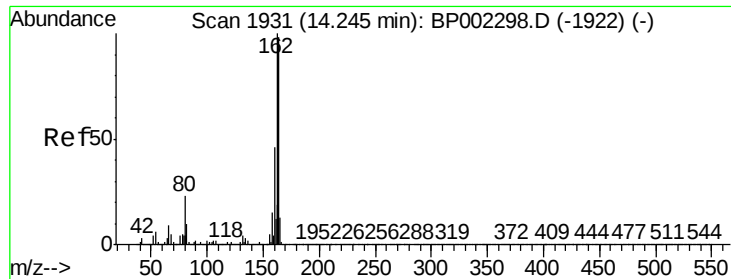
Tot Ion: 82 Resp: 1440448
 Ion Ratio Lower Upper
 82 100
 128 41.8 33.4 50.0
 54 48.7 38.3 57.5



#32
 Benzoic acid
 Concen: 4.821 ng
 RT: 9.72 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BP002343.D
 Acq: 01 Jun 2020 17:26

Tgt Ion: 122 Resp: 213
 Ion Ratio Lower Upper
 122 100
 105 184.9 102.7 142.7#
 77 225.8 74.8 114.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.26 min Scan# 1933

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

Instrument :

BNA_P

ClientSampleId :

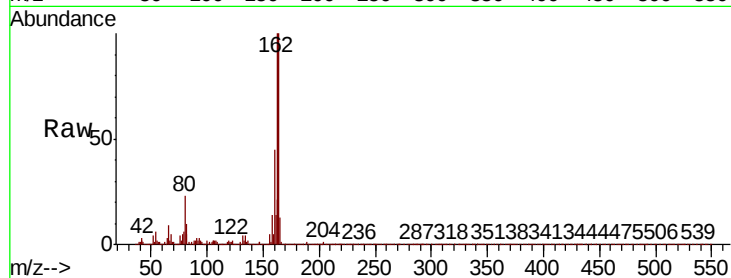
Tot Ion:164 Resp: 992866

Ion Ratio Lower Upper

164 100

162 99.7 81.3 121.9

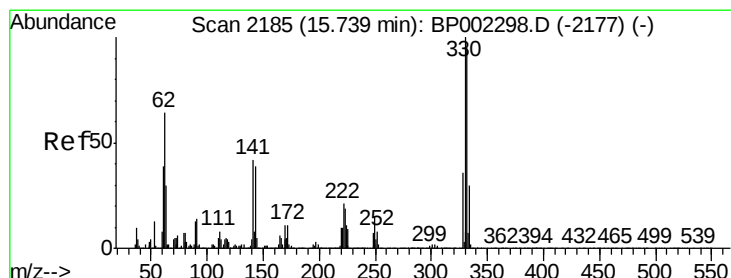
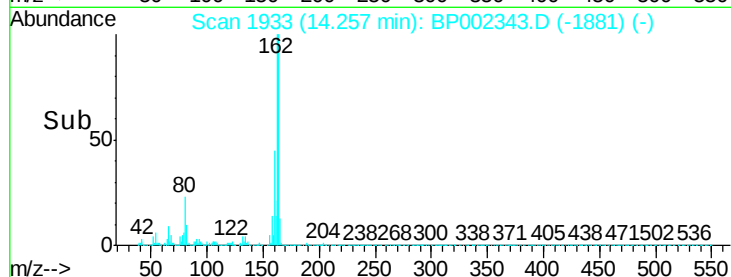
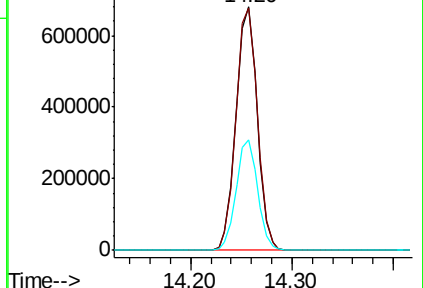
160 45.1 37.2 55.8



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: 77.992 ng

RT: 15.76 min Scan# 2188

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

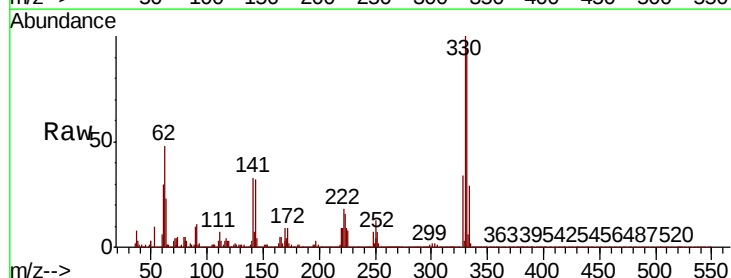
Tgt Ion:330 Resp: 733902

Ion Ratio Lower Upper

330 100

332 92.6 76.9 115.3

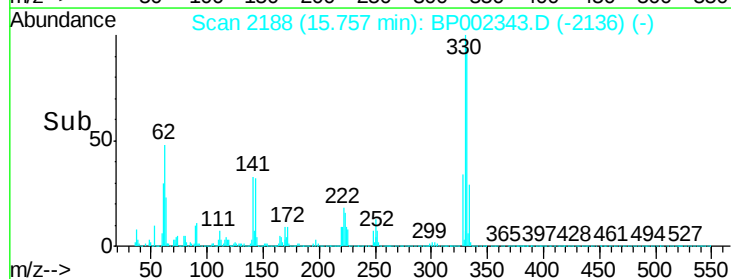
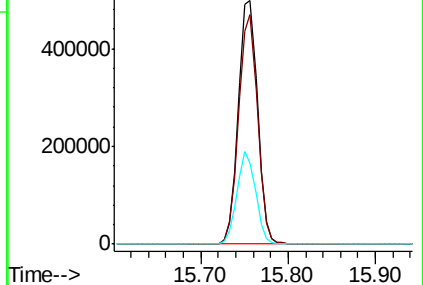
141 36.6 31.4 47.2

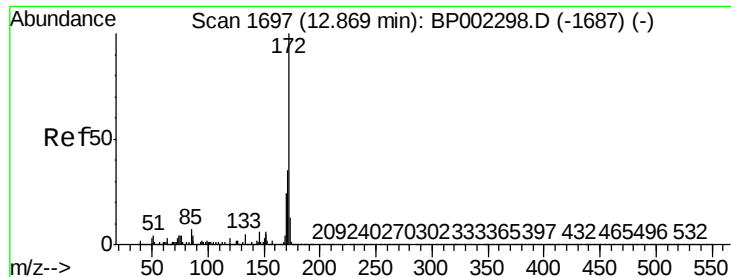


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

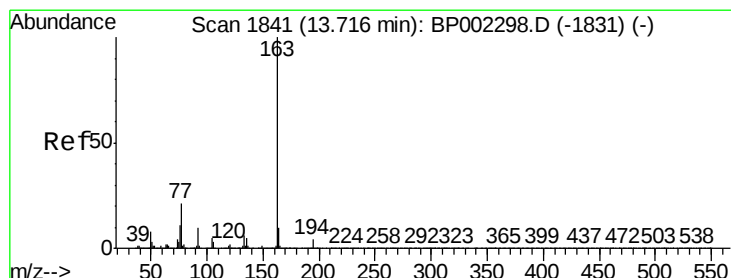
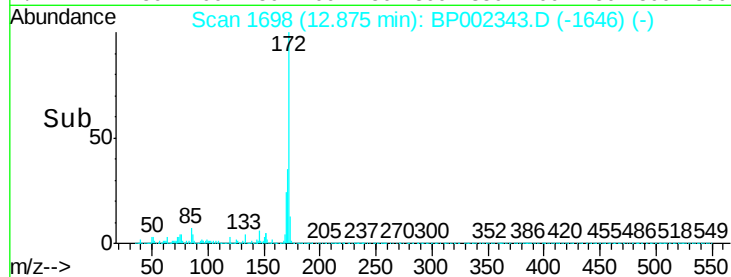
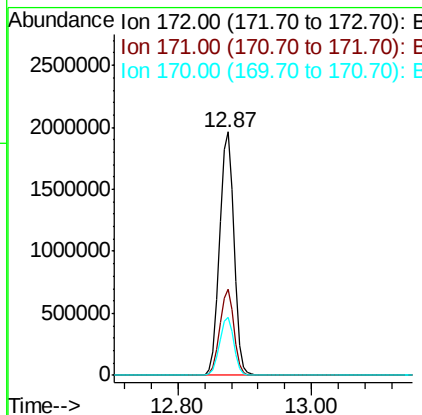
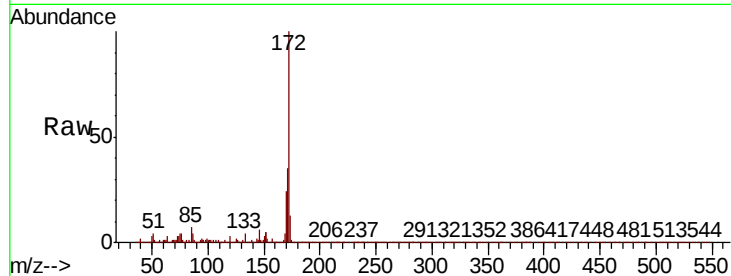




#45
2-Fluorobiphenyl
Concen: 53.521 ng
RT: 12.87 min Scan# 1698
Delta R.T. 0.01 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

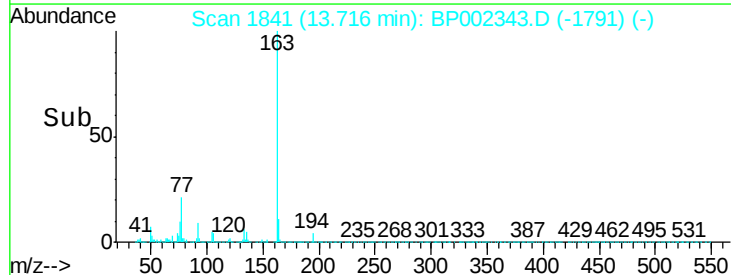
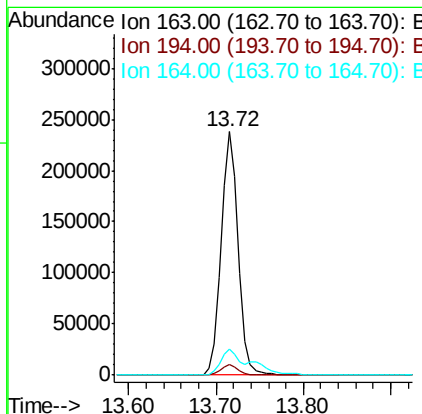
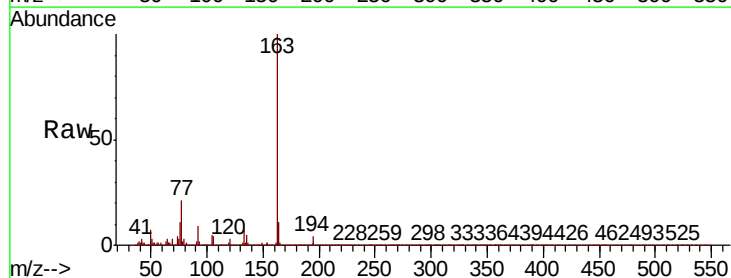
Instrument :
BNA_P
ClientSampleId :

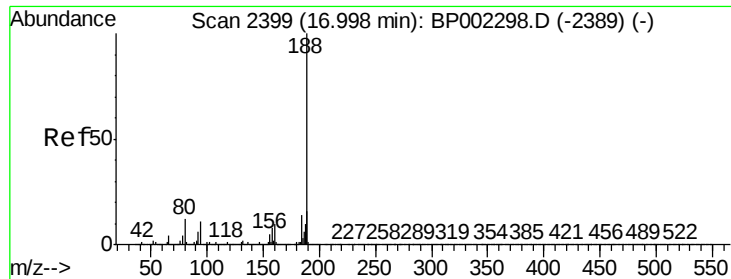
Tot Ion:172 Resp: 3011526
Ion Ratio Lower Upper
172 100
171 35.2 27.6 41.4
170 23.8 18.9 28.3



#50
Dimethylphthalate
Concen: 4.770 ng
RT: 13.72 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

Tgt Ion:163 Resp: 320539
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 10.7 8.1 12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.02 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

Instrument :

BNA_P

ClientSampleId :

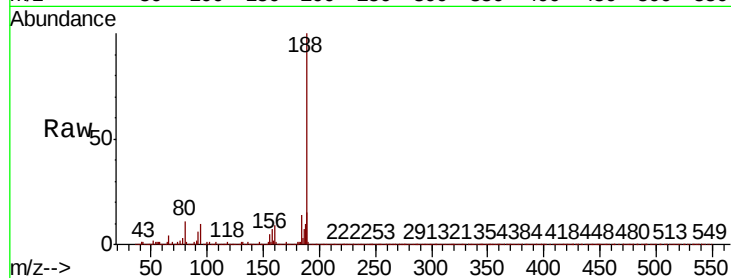
Tot Ion:188 Resp: 2082724

Ion Ratio Lower Upper

188 100

94 10.2 8.7 13.1

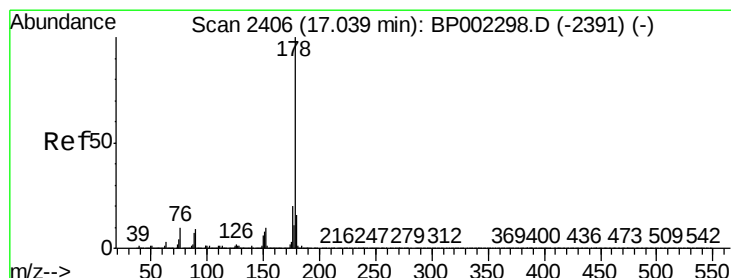
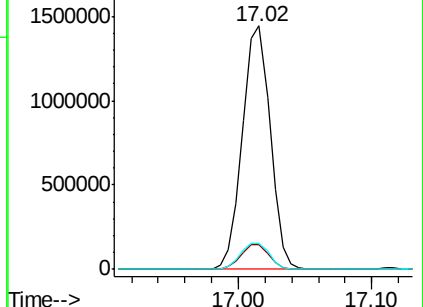
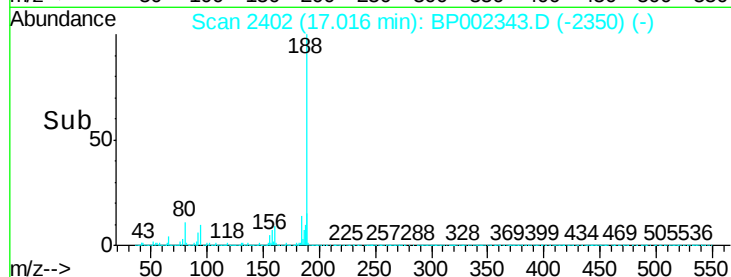
80 10.7 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

2000000 Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 3.172 ng

RT: 17.06 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

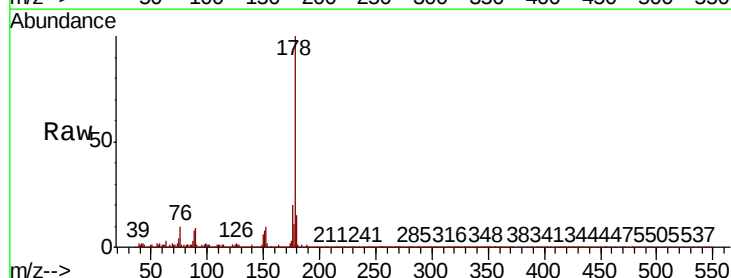
Tgt Ion:178 Resp: 312893

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

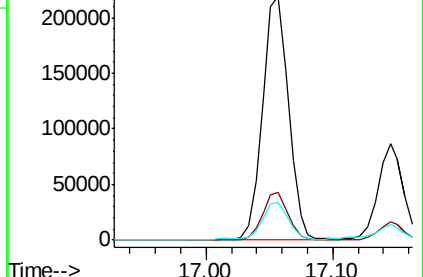
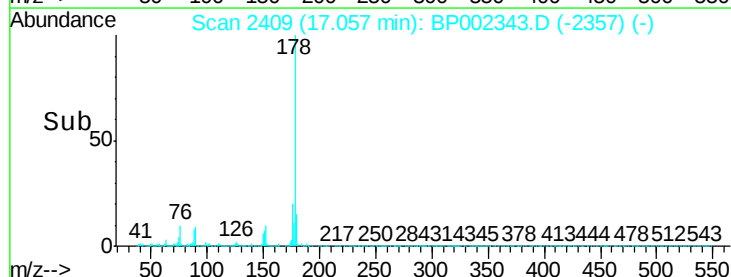
179 15.3 12.6 18.8

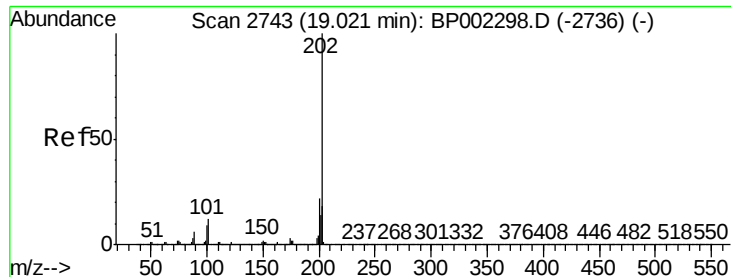


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.439 ng

RT: 19.04 min Scan# 2746

Delta R.T. 0.01 min

Lab File: BP002343.D

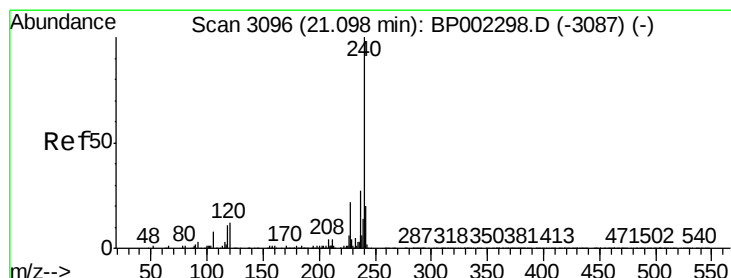
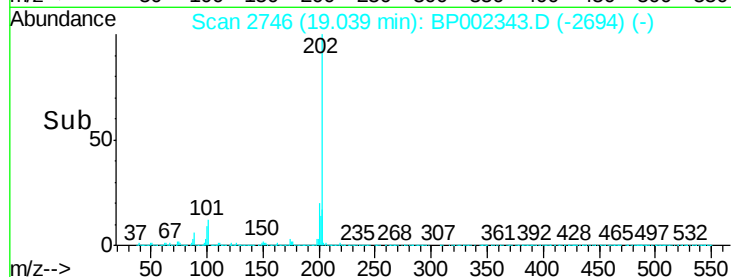
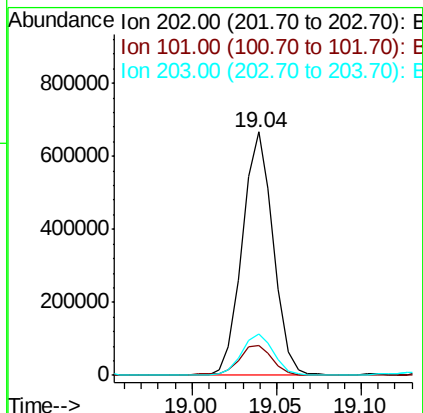
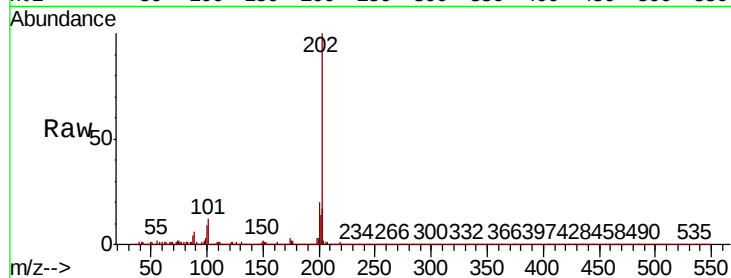
Acq: 01 Jun 2020 17:26

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	845316
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.1
203	17.2	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

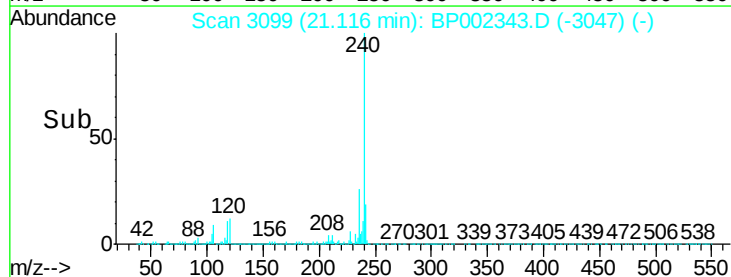
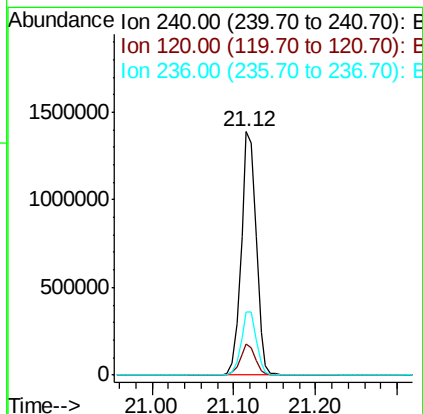
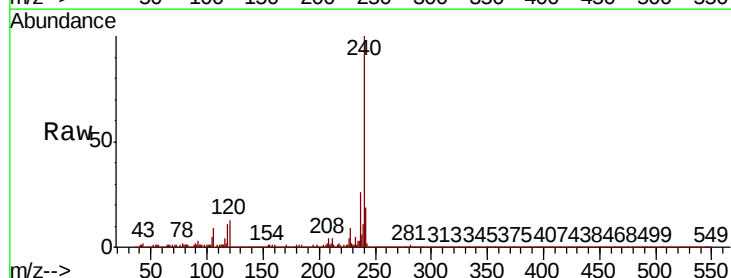
RT: 21.12 min Scan# 3099

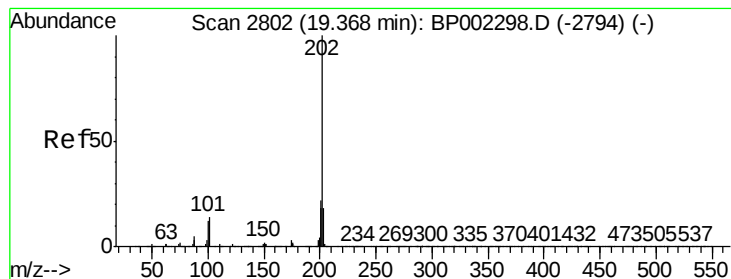
Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

Tgt Ion:	240	Resp:	1768730
Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.7	13.1
236	25.8	21.0	31.4





#78

Pvrene

Concen: 7.846 ng

RT: 19.39 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

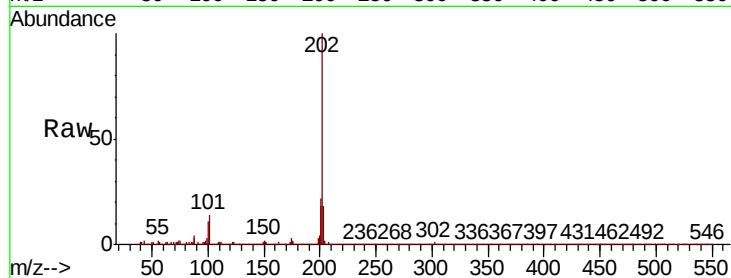
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 864177

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	17.9	13.8	20.6

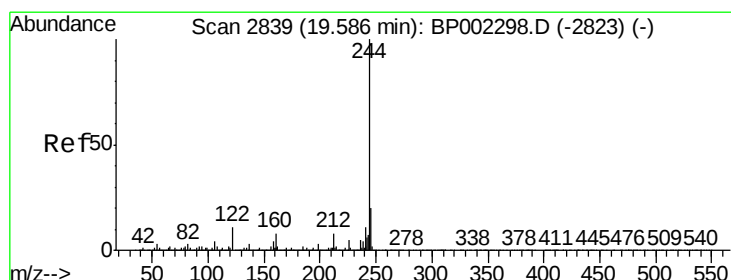
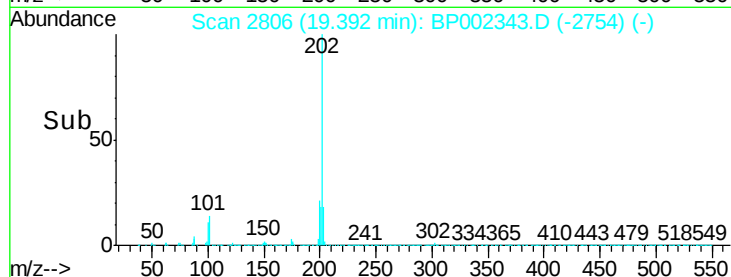
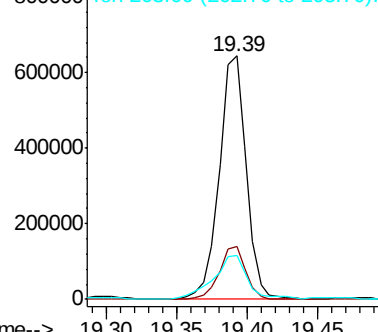


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 51.794 ng

RT: 19.60 min Scan# 2842

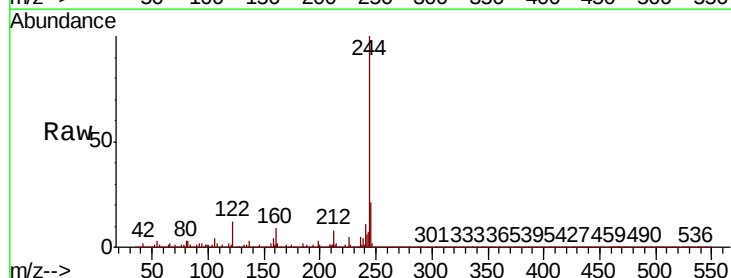
Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

Tgt Ion:244 Resp: 3782840

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.4	9.6
122	11.6	9.4	14.0

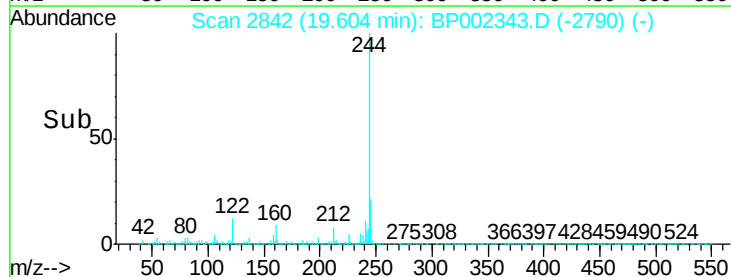
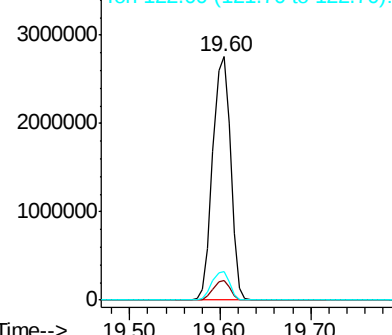


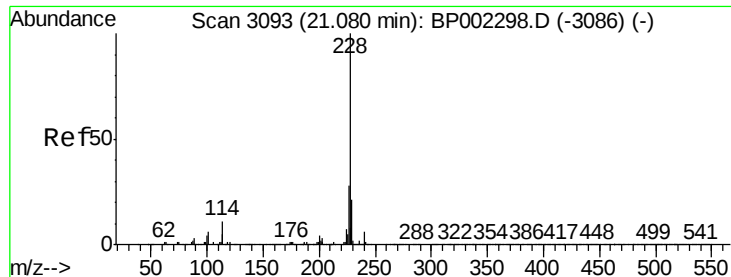
Abundance

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

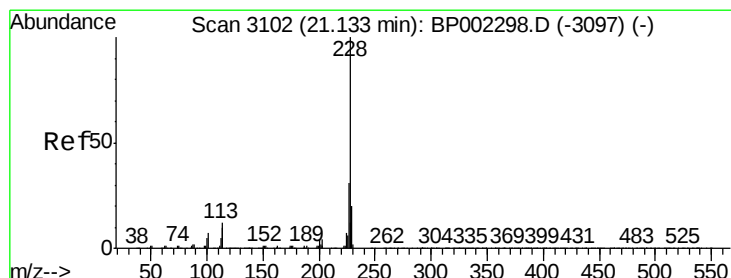
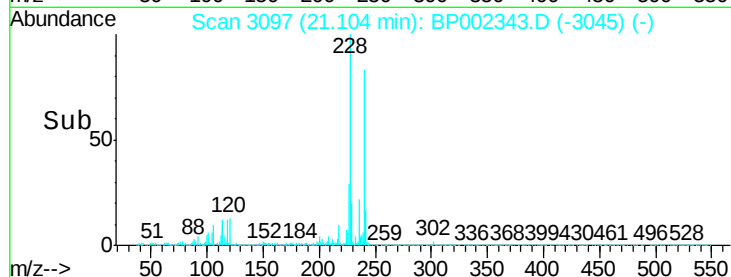
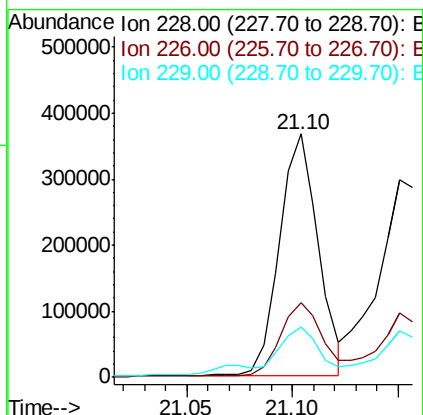
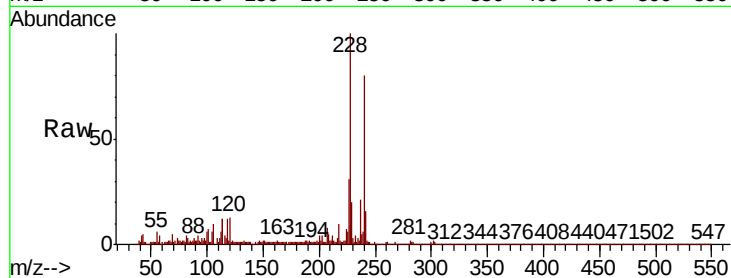




#81
Benzo(a)anthracene
Concen: 4.628 ng
RT: 21.10 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

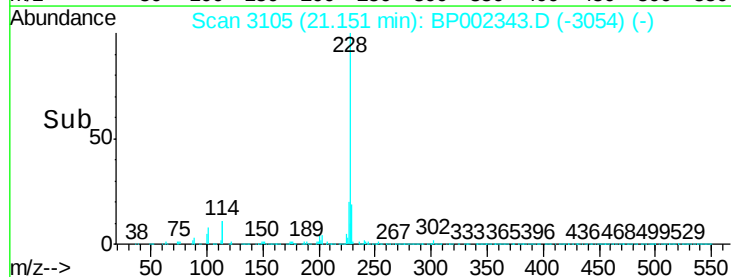
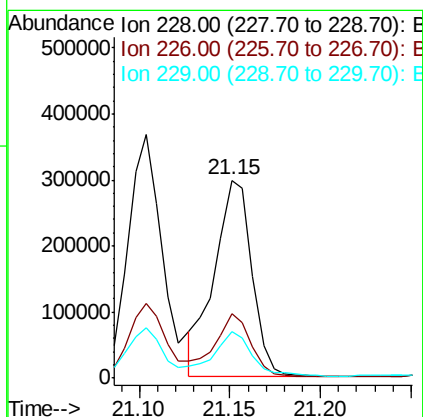
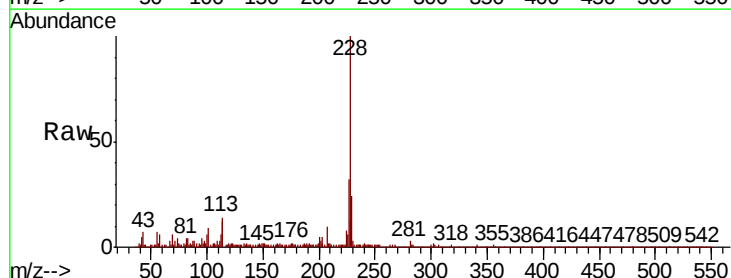
Instrument :
BNA_P
ClientSampleId :

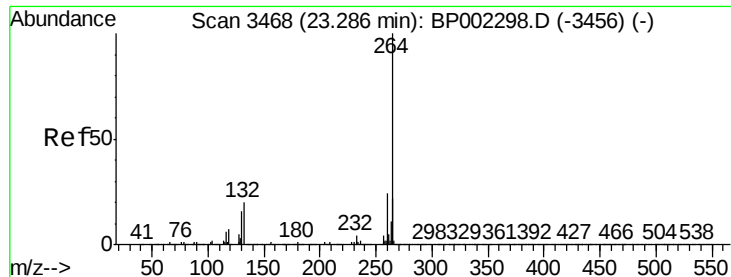
Tot Ion:228 Resp: 468532
Ion Ratio Lower Upper
228 100
226 30.7 22.7 34.1
229 20.5 16.3 24.5



#83
Chrysene
Concen: 4.416 ng
RT: 21.15 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

Tgt Ion:228 Resp: 429112
Ion Ratio Lower Upper
228 100
226 32.2 25.0 37.6
229 23.7 16.2 24.4



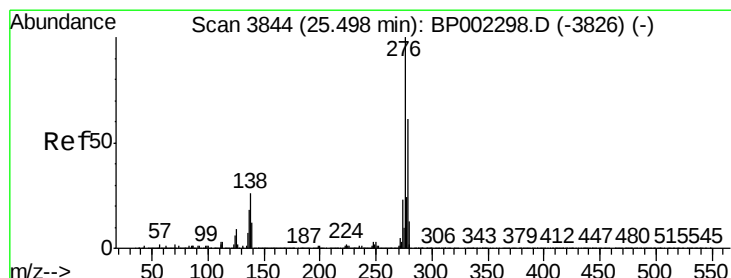
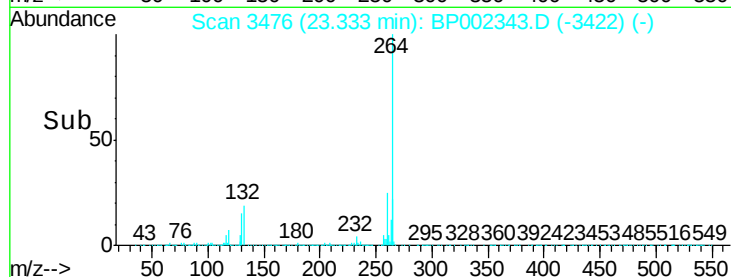
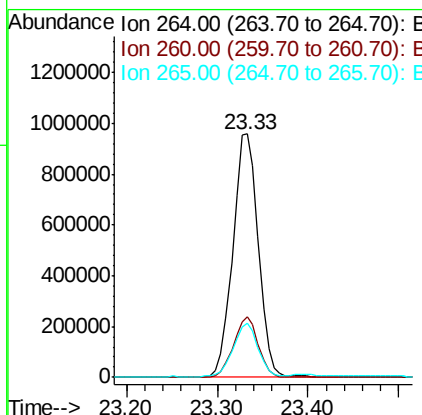
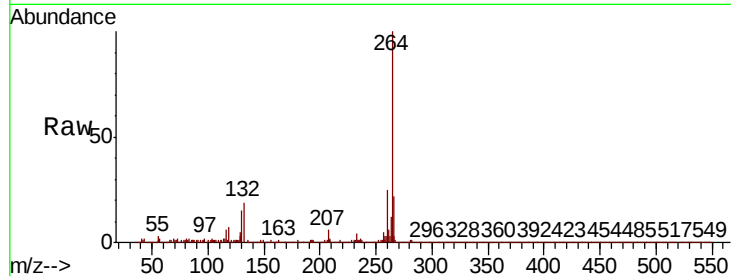


#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.33 min Scan# 3476
 Delta R.T. 0.02 min
 Lab File: BP002343.D
 Acq: 01 Jun 2020 17:26

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:264 Resp: 1864686

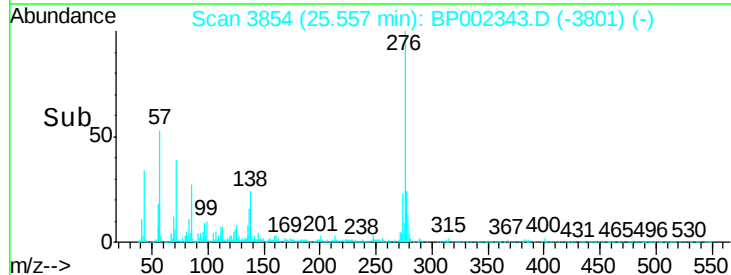
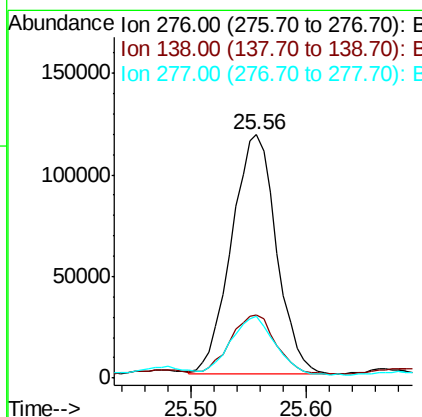
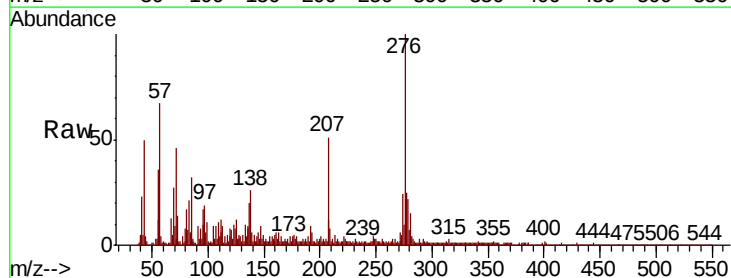
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.4	17.8	26.6

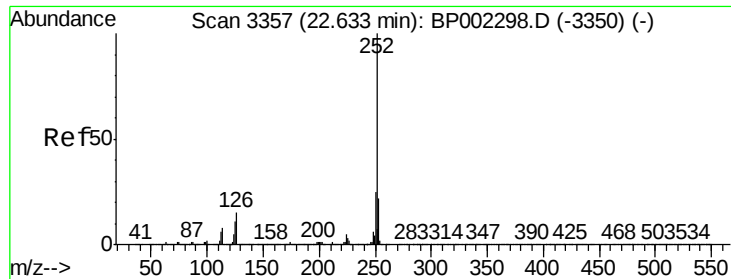


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.748 ng
 RT: 25.56 min Scan# 3854
 Delta R.T. 0.01 min
 Lab File: BP002343.D
 Acq: 01 Jun 2020 17:26

Tgt Ion:276 Resp: 317141

Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.2	27.4
277	24.7	20.2	30.2

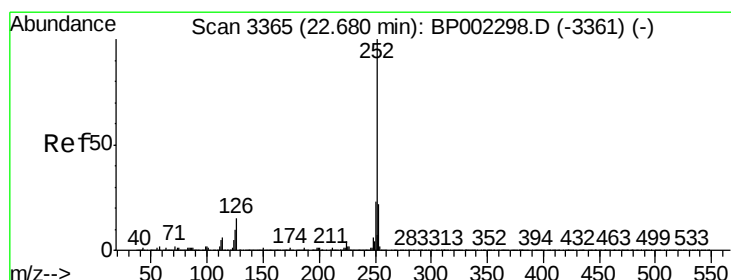
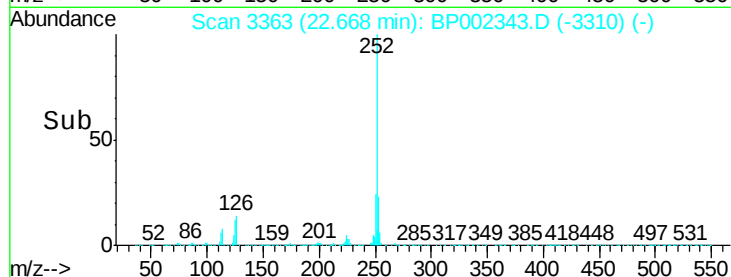
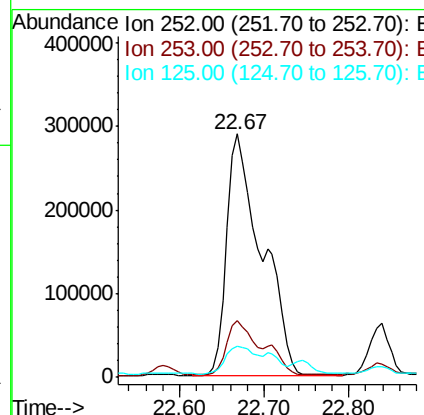
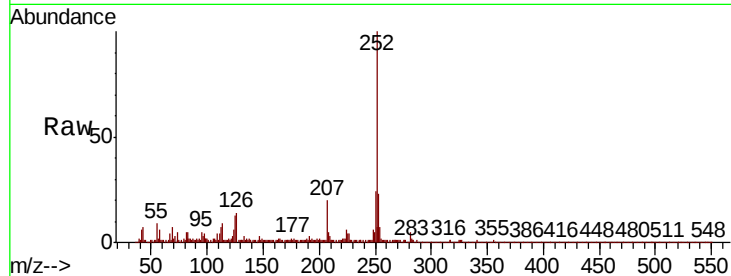




#88
Benzo(b)fluoranthene
Concen: 8.203 ng
RT: 22.67 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

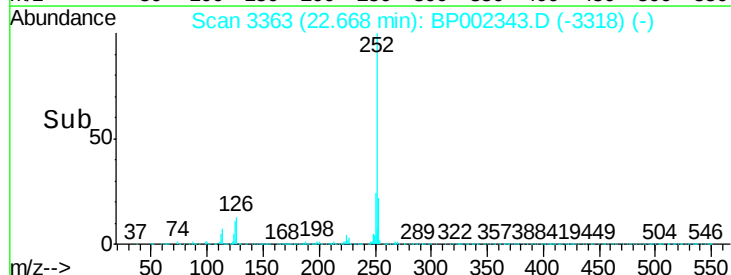
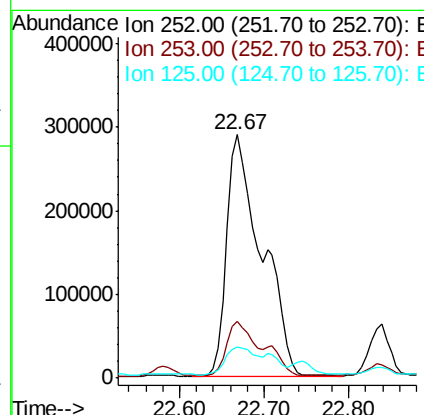
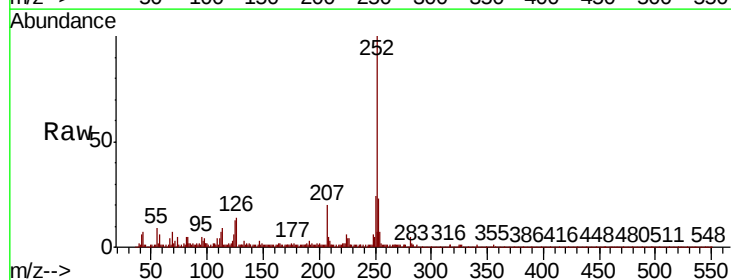
Instrument :
BNA_P
ClientSampleId :

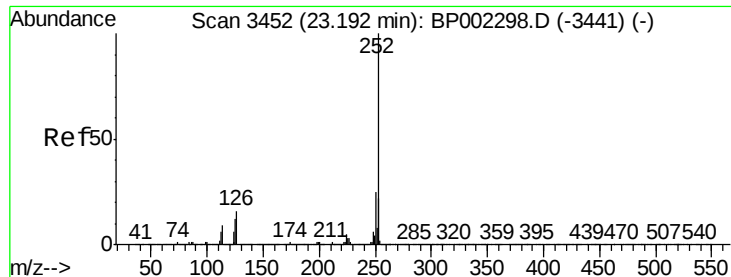
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	12.9	7.2	10.8



#89
Benzo(k)fluoranthene
Concen: 8.548 ng
RT: 22.67 min Scan# 3363
Delta R.T. -0.04 min
Lab File: BP002343.D
Acq: 01 Jun 2020 17:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	12.9	7.4	11.2





#90

Benzo(a)pyrene

Concen: 4.870 ng

RT: 23.23 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

Instrument :

BNA_P

ClientSampleId :

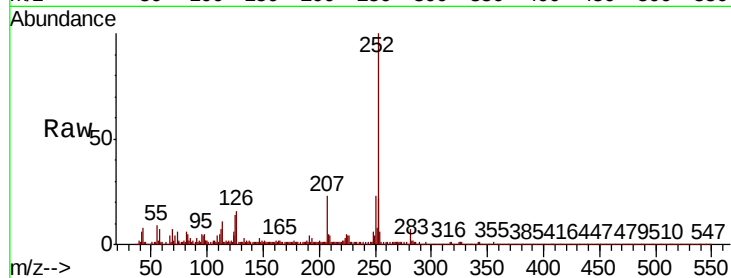
Tot Ion:252 Resp: 459256

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

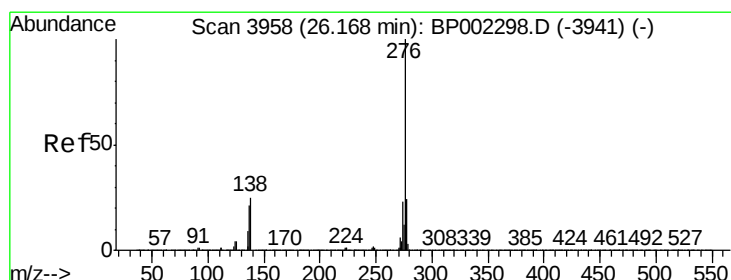
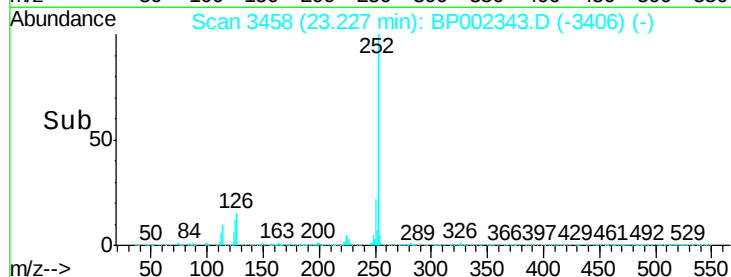
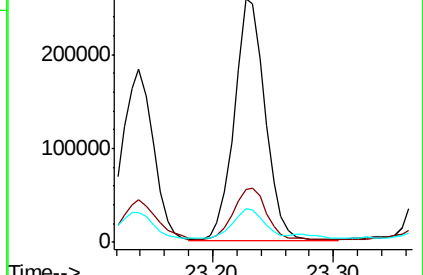
125 13.7 8.4 12.6#



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



#92

Benzo(g,h,i)perylene

Concen: 3.394 ng

RT: 26.23 min Scan# 3968

Delta R.T. 0.01 min

Lab File: BP002343.D

Acq: 01 Jun 2020 17:26

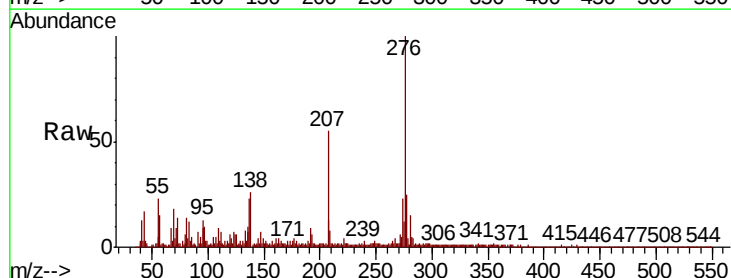
Tgt Ion:276 Resp: 325825

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 26.1 16.0 24.0#



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

