

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP060120\
 Data File : BP002342.D
 Acq On : 01 Jun 2020 16:52
 Operator : CG/JU
 Sample : L2746-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jun 01 18:45:29 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	401830	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1618858	20.00	ng	0.00
39) Acenaphthene-d10	14.26	164	952359	20.00	ng	0.00
64) Phenanthrene-d10	17.02	188	1958905	20.00	ng	0.00
76) Chrysene-d12	21.12	240	1677741	20.00	ng	0.00
86) Perylene-d12	23.33	264	1747256	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	1272915	59.50	ng	0.00
7) Phenol-d6	6.80	99	1772132	60.89	ng	0.00
23) Nitrobenzene-d5	8.75	82	1155566	42.92	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	577104	63.94	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2460339	45.59	ng	0.00
79) Terphenyl-d14	19.60	244	3176010	45.84	ng	0.00

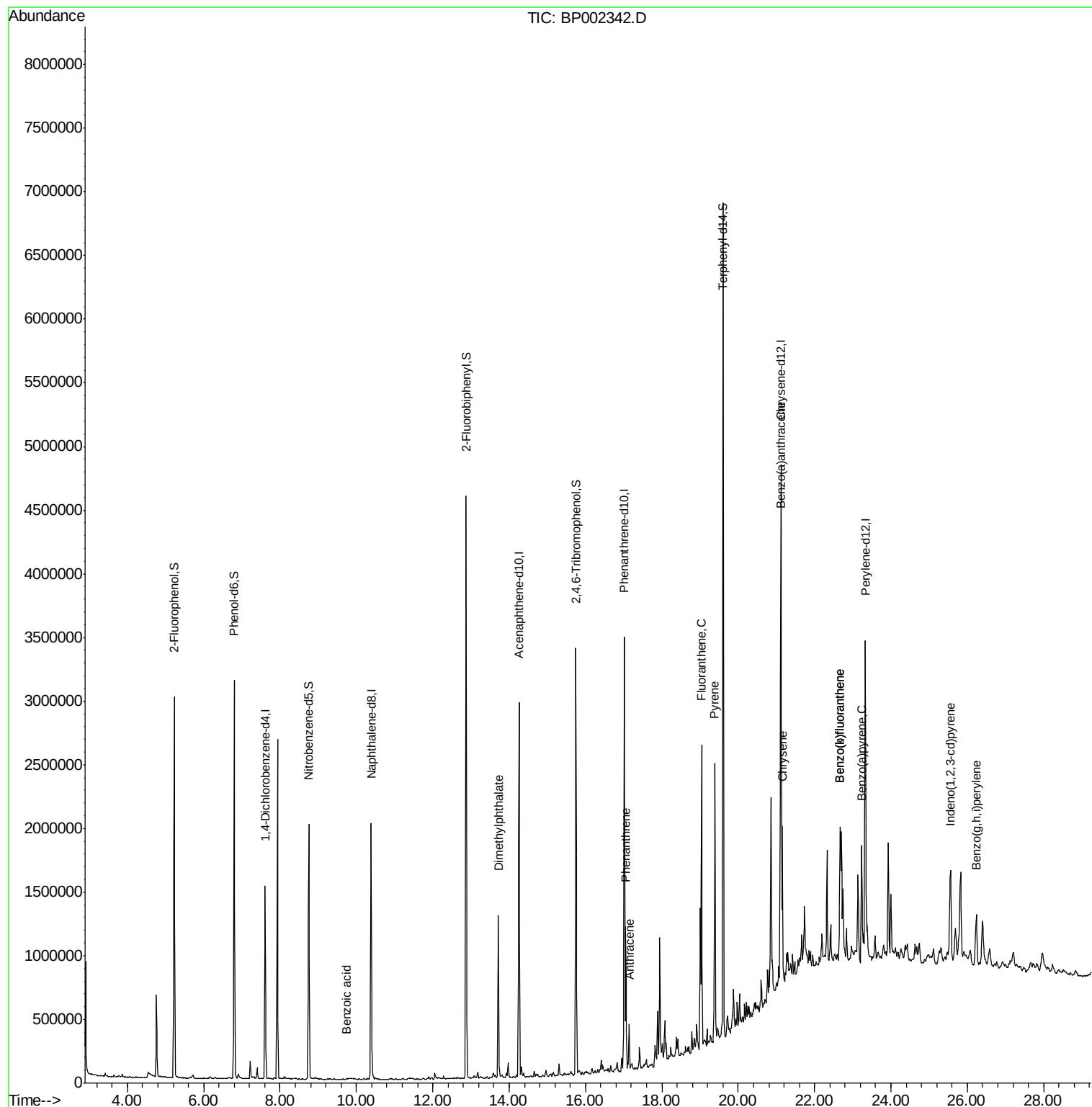
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.75	122	243	4.823	ng	# 1
50) Dimethylphthalate	13.72	163	787521	12.217	ng	100
71) Phenanthrene	17.06	178	661014	7.124	ng	98
72) Anthracene	17.15	178	194656	2.132	ng	99
75) Fluoranthene	19.04	202	1353217	12.662	ng	99
78) Pyrene	19.39	202	1286202	12.311	ng	99
81) Benzo(a)anthracene	21.10	228	675602	7.035	ng	97
83) Chrysene	21.15	228	658779	7.147	ng	98
87) Indeno(1,2,3-cd)pyrene	25.56	276	435499	4.027	ng	98
88) Benzo(b)fluoranthene	22.67	252	1181496	12.403	ng	# 96
89) Benzo(k)fluoranthene	22.67	252	1181496	12.925	ng	# 96
90) Benzo(a)pyrene	23.23	252	641794	7.263	ng	# 97
92) Benzo(a,h,i)perylene	26.23	276	451613	5.021	ng	# 94

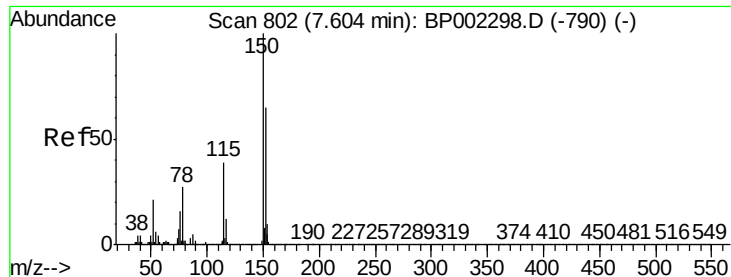
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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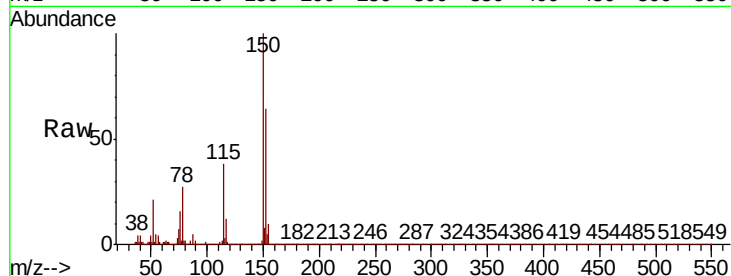


#1

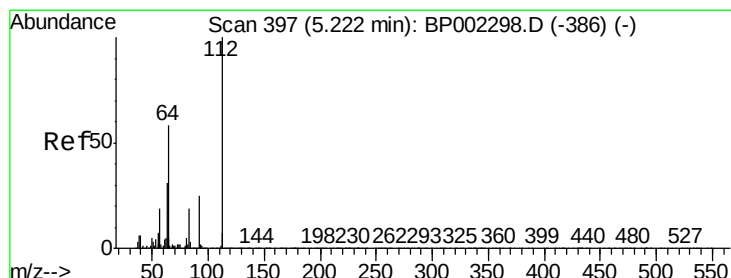
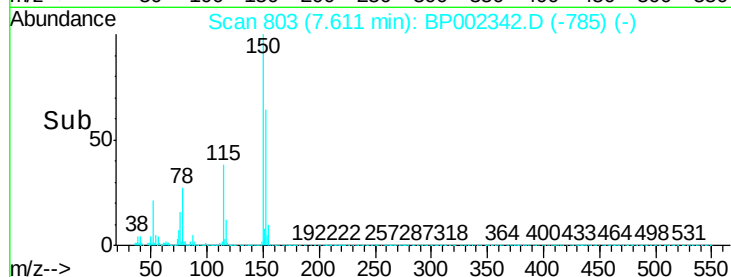
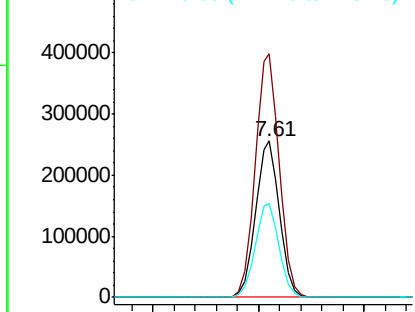
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 803
Delta R.T. 0.01 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.7	187.1
115	59.9	49.4	74.2



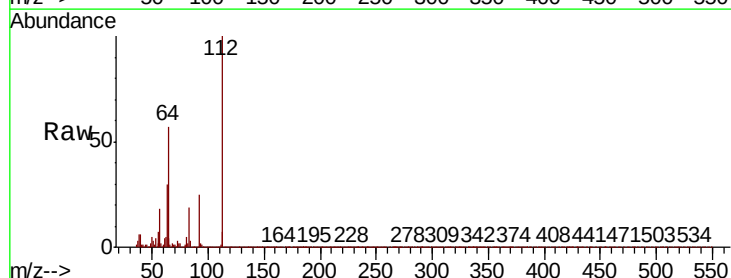
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



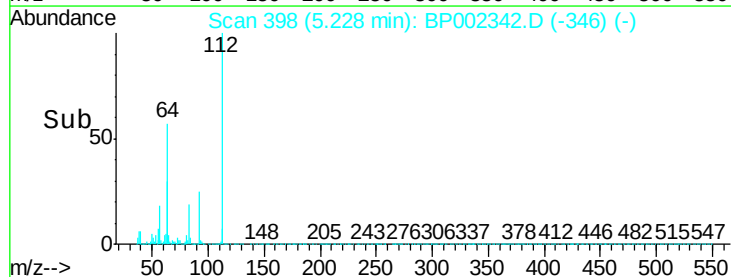
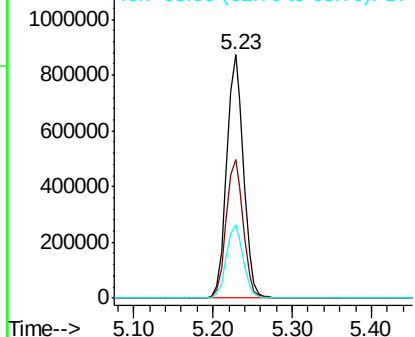
#5

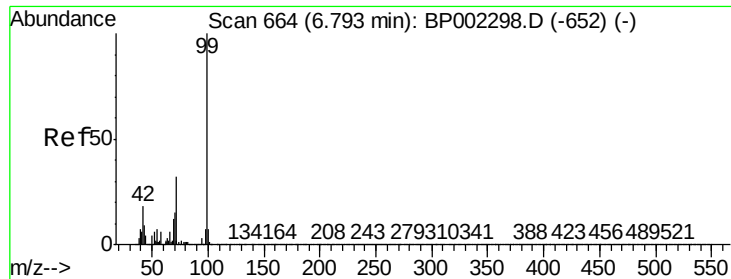
2-Fluorophenol
Concen: 59.495 ng
RT: 5.23 min Scan# 398
Delta R.T. 0.01 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.0	70.4
63	30.2	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: 60.889 ng

RT: 6.80 min Scan# 665

Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

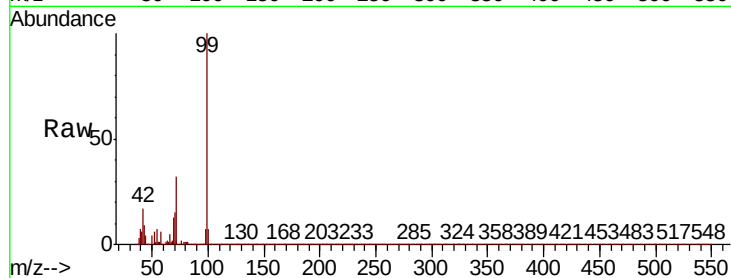
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1772132

Ion	Ratio	Lower	Upper
99	100		
42	17.4	13.9	20.9
71	32.4	25.8	38.8



Abundance

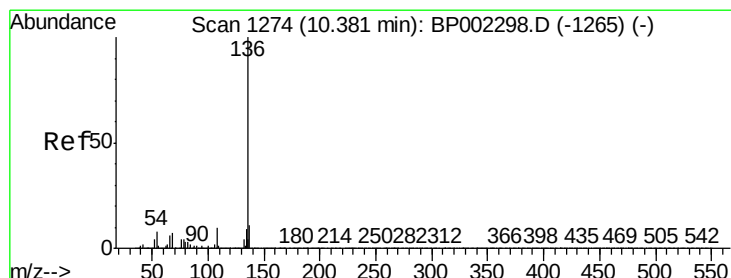
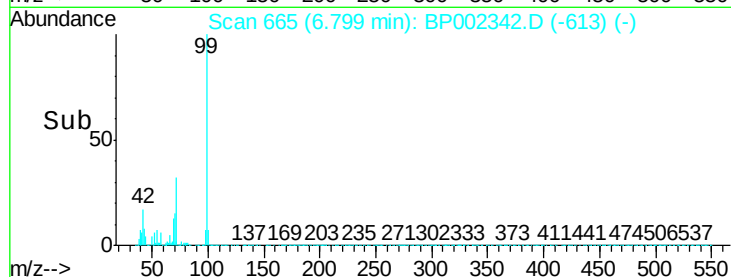
Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0

6.80

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1274

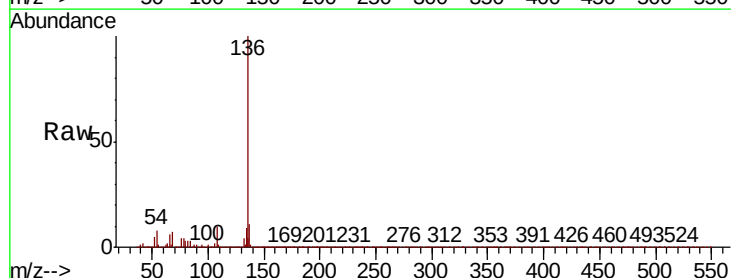
Delta R.T. -0.00 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

Tgt Ion: 136 Resp: 1618858

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.3	6.9	10.3
68	7.1	5.6	8.4



Abundance

Ion 136.00 (135.70 to 136.70): E

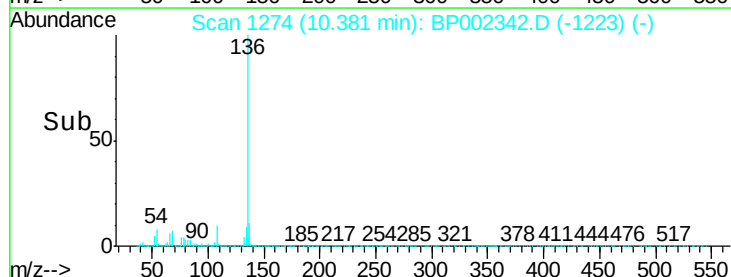
Ion 137.00 (136.70 to 137.70): E

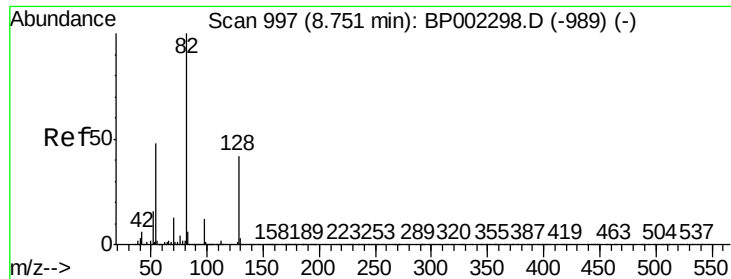
Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

10.38

Time-->

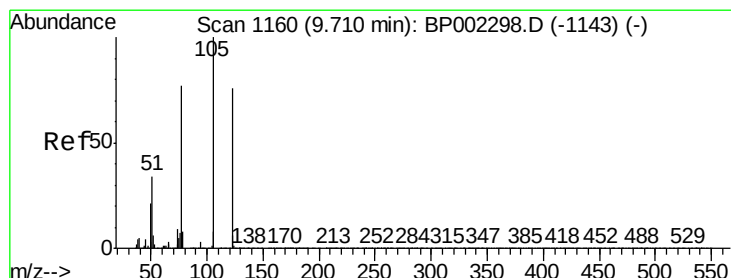
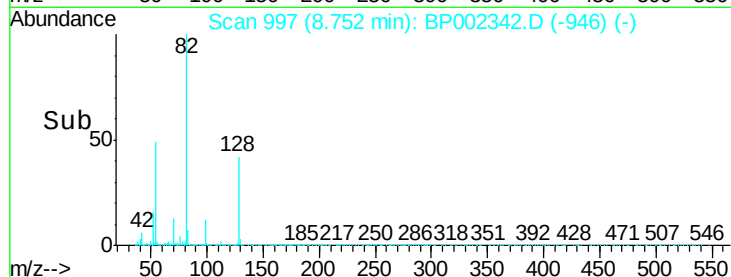
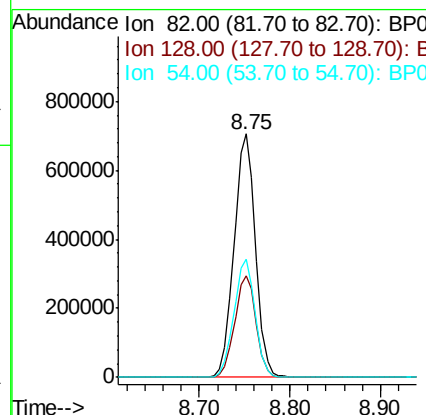
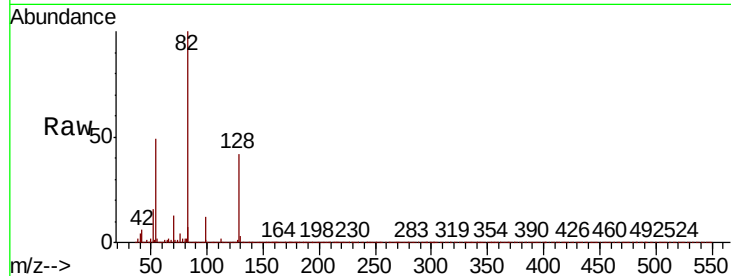




#23
 Nitrobenzene-d5
 Concen: 42.916 ng
 RT: 8.75 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: BP002342.D
 Acq: 01 Jun 2020 16:52

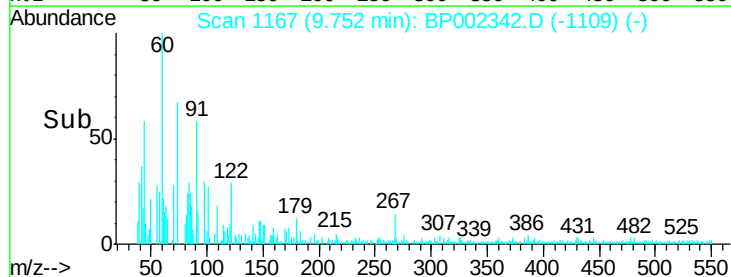
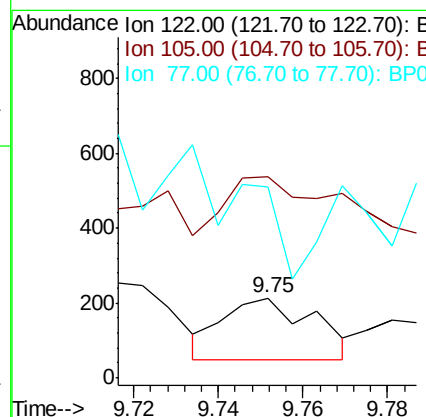
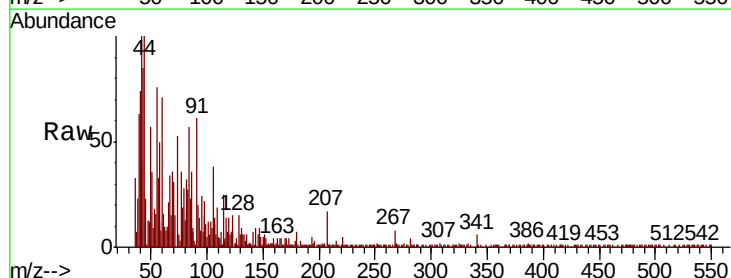
Instrument :
 BNA_P
 ClientSampleId :

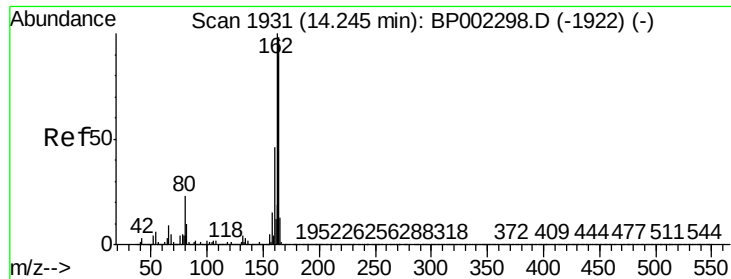
Tot Ion: 82 Resp: 1155566
 Ion Ratio Lower Upper
 82 100
 128 41.9 33.4 50.0
 54 48.7 38.3 57.5



#32
 Benzoic acid
 Concen: 4.823 ng
 RT: 9.75 min Scan# 1167
 Delta R.T. 0.04 min
 Lab File: BP002342.D
 Acq: 01 Jun 2020 16:52

Tgt Ion: 122 Resp: 243
 Ion Ratio Lower Upper
 122 100
 105 252.1 102.7 142.7#
 77 239.9 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: BP002342.D

Acq: 01 Jun 2020 16:52

Instrument :

BNA_P

ClientSampleId :

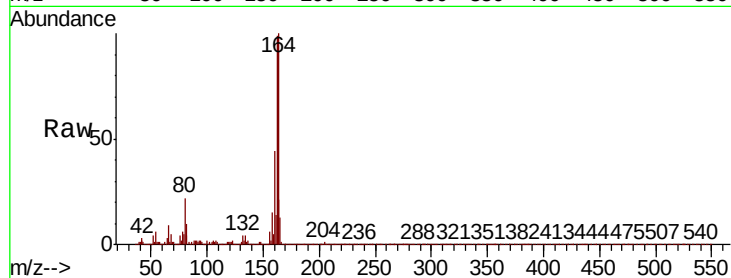
Tot Ion:164 Resp: 952359

Ion Ratio Lower Upper

164 100

162 99.4 81.3 121.9

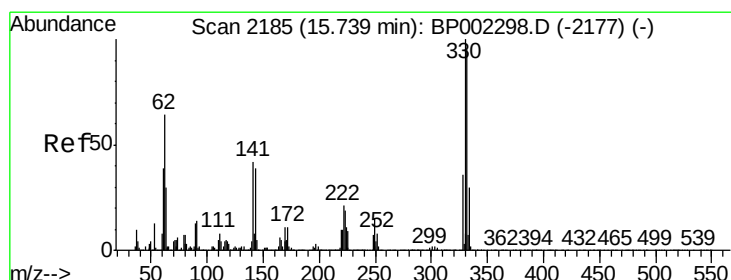
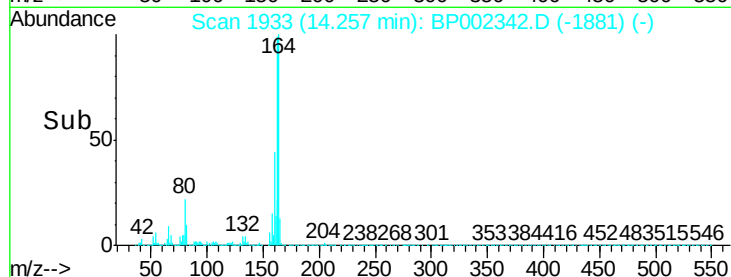
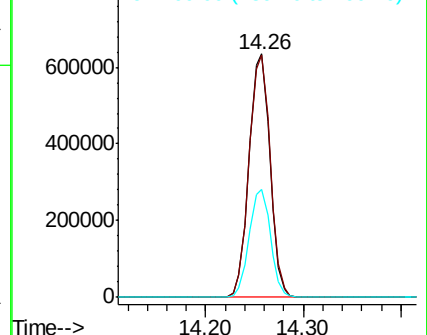
160 44.3 37.2 55.8



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: 63.938 ng

RT: 15.75 min Scan# 2187

Delta R.T. 0.00 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

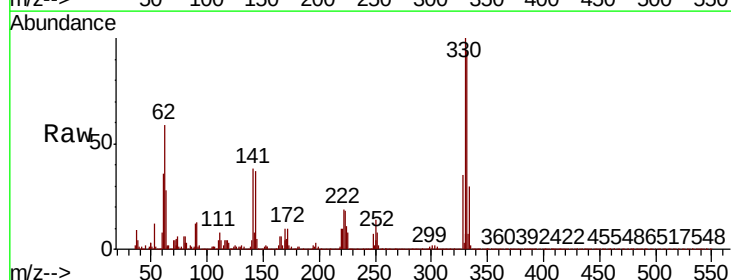
Tgt Ion:330 Resp: 577104

Ion Ratio Lower Upper

330 100

332 95.5 76.9 115.3

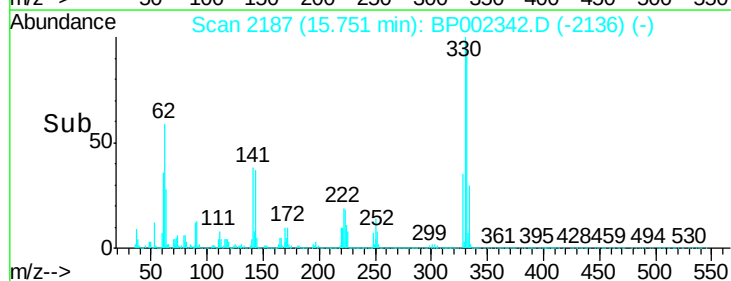
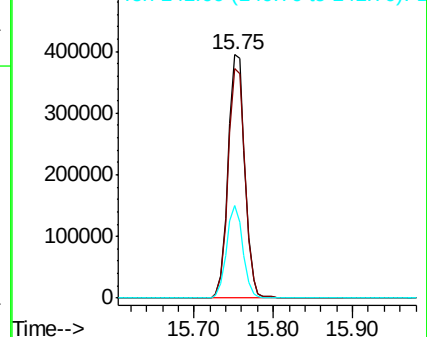
141 37.0 31.4 47.2

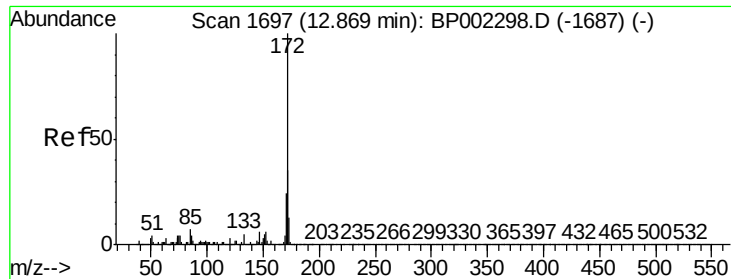


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

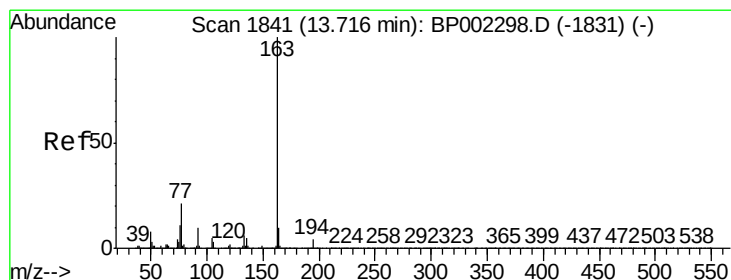
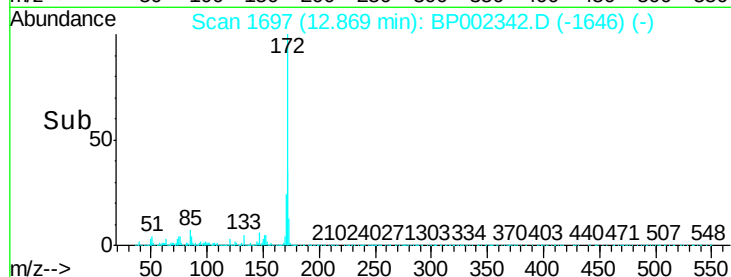
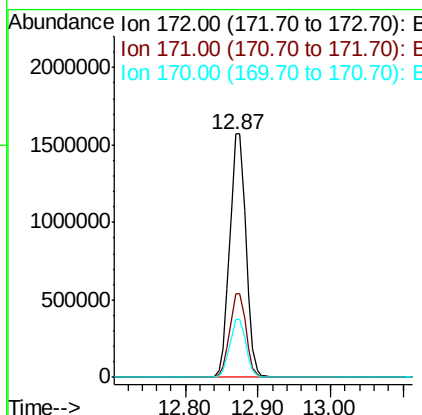
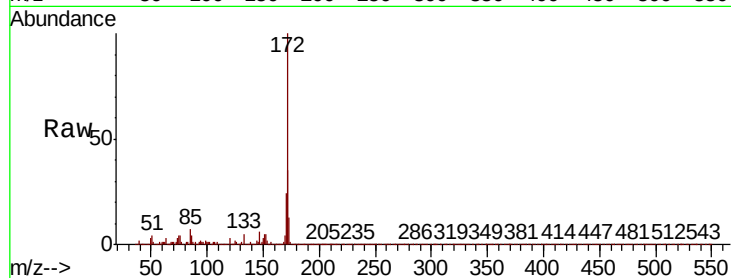




#45
2-Fluorobiphenyl
Concen: 45.585 ng
RT: 12.87 min Scan# 1697
Delta R.T. 0.00 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

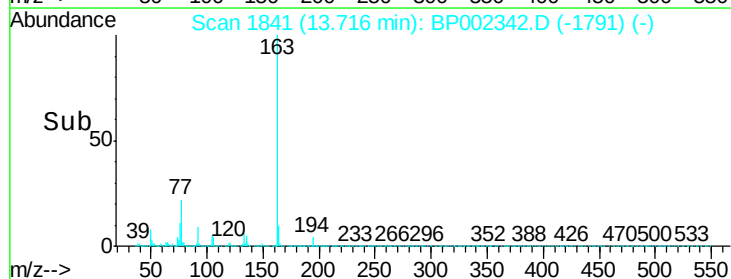
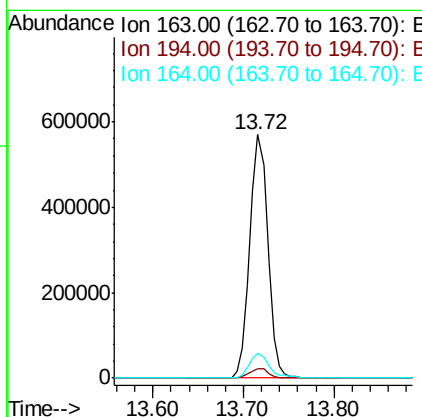
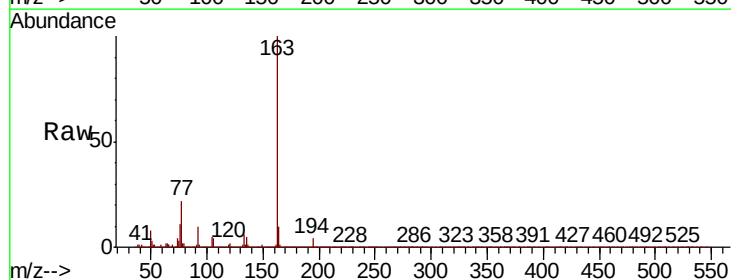
Instrument :
BNA_P
ClientSampleId :

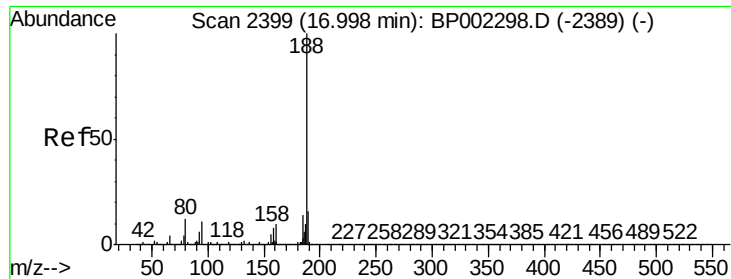
Tot Ion:172 Resp: 2460339
Ion Ratio Lower Upper
172 100
171 34.5 27.6 41.4
170 23.9 18.9 28.3



#50
Dimethylphthalate
Concen: 12.217 ng
RT: 13.72 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

Tgt Ion:163 Resp: 787521
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.2 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: BP002342.D

Acq: 01 Jun 2020 16:52

Instrument :

BNA_P

ClientSampleId :

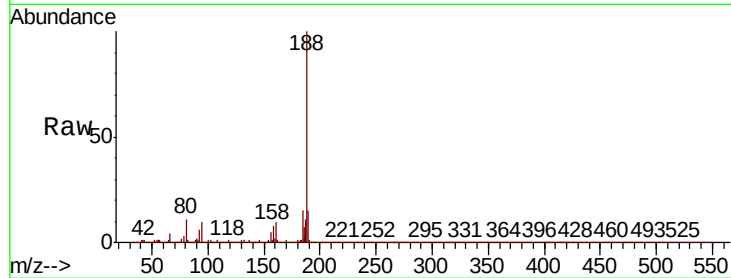
Tot Ion:188 Resp: 1958905

Ion Ratio Lower Upper

188 100

94 10.0 8.7 13.1

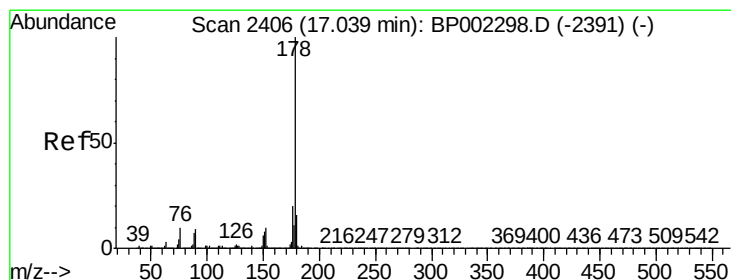
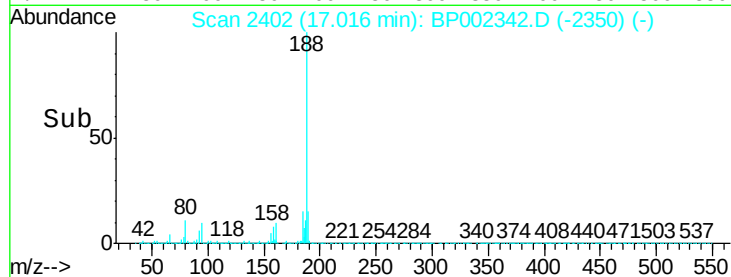
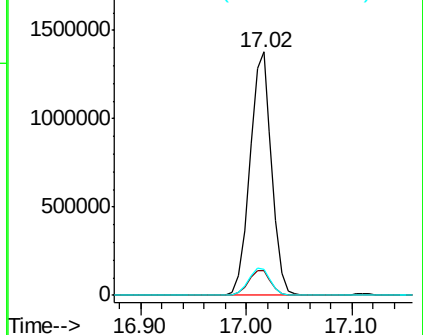
80 10.8 9.3 13.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 7.124 ng

RT: 17.06 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

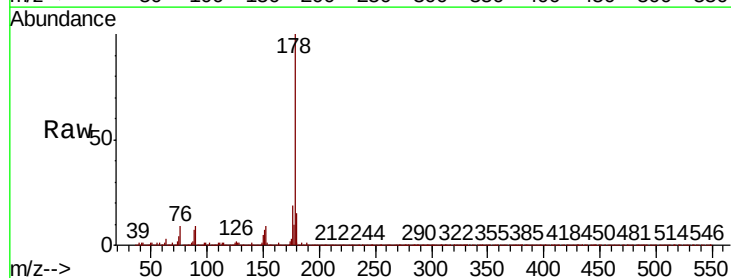
Tgt Ion:178 Resp: 661014

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

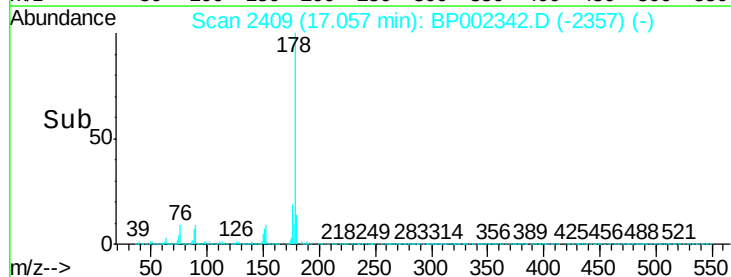
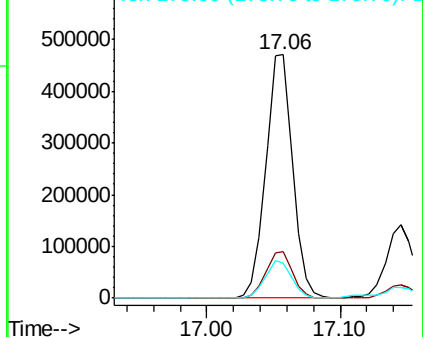
179 14.5 12.6 18.8

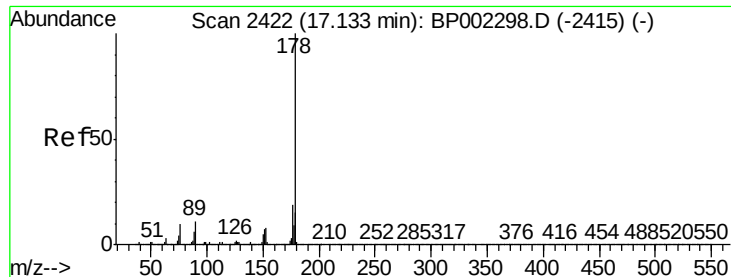


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.132 ng

RT: 17.15 min Scan# 2424

Delta R.T. -0.00 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

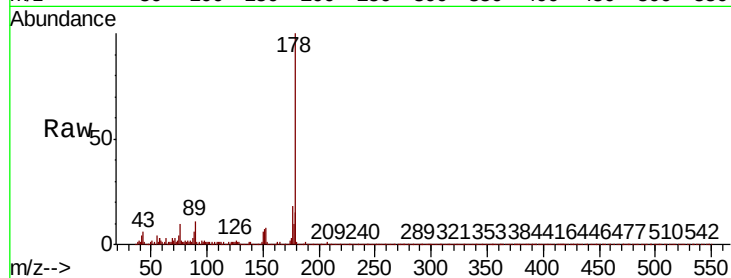
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 194656

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.2	22.8
179	15.1	12.6	19.0



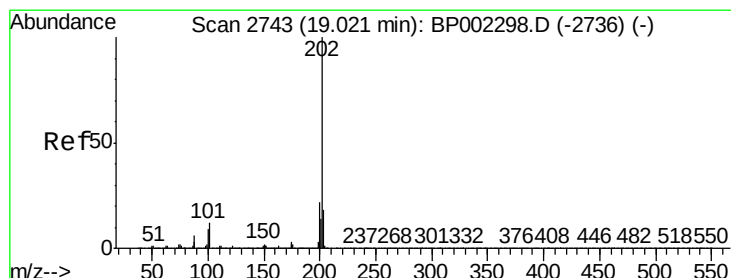
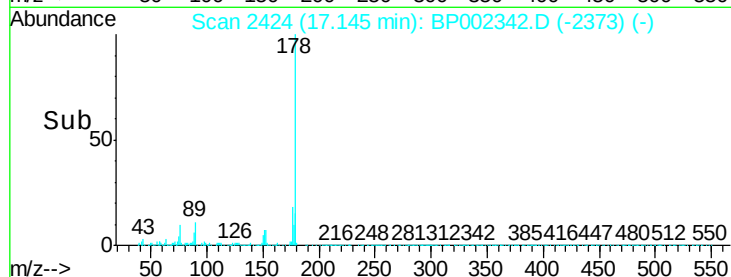
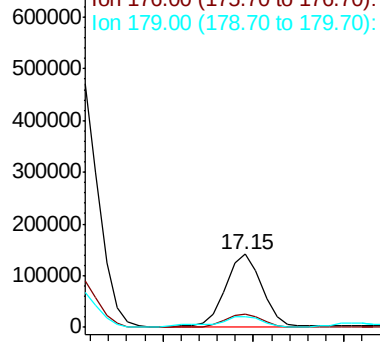
Abundance

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

Time-->



#75

Fluoranthene

Concen: 12.662 ng

RT: 19.04 min Scan# 2746

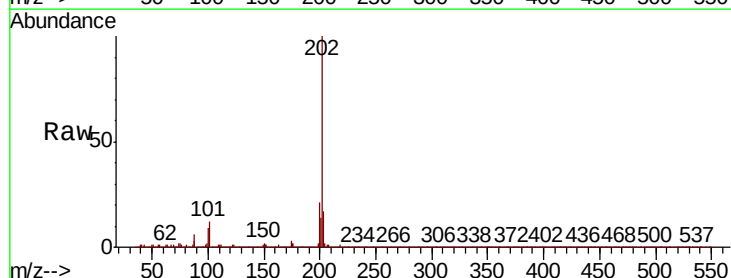
Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

Tgt Ion:202 Resp: 1353217

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.1
203	17.3	0.0	37.6



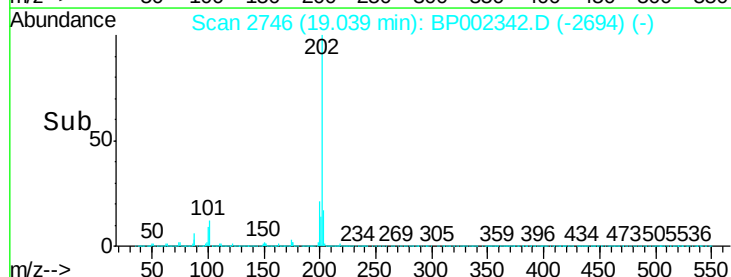
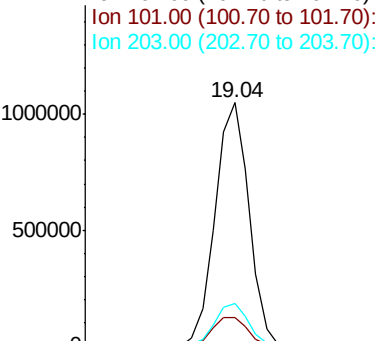
Abundance

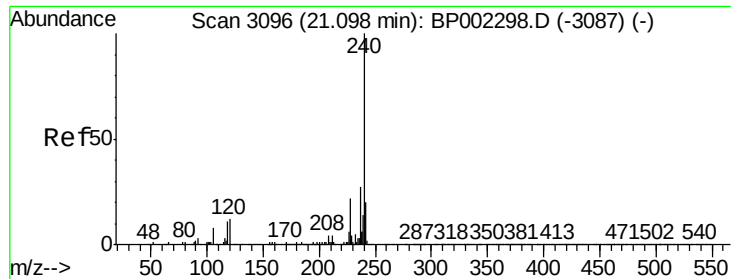
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->

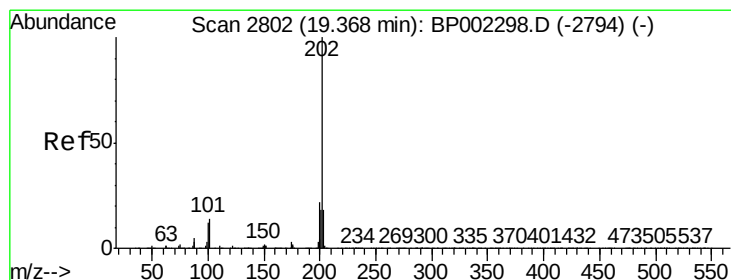
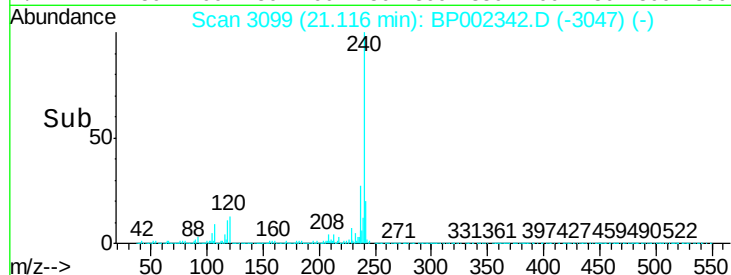
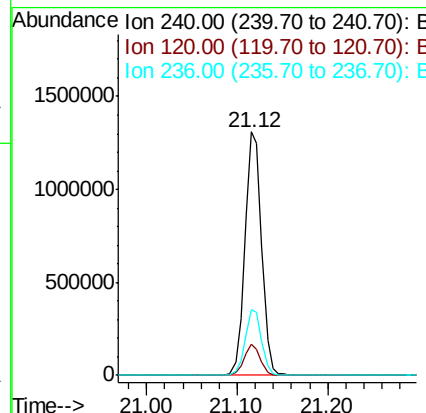
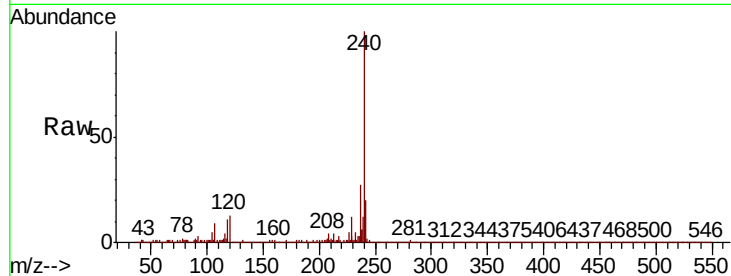




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.12 min Scan# 3099
Delta R.T. 0.01 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

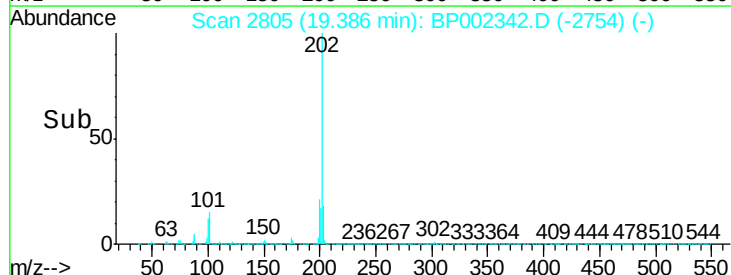
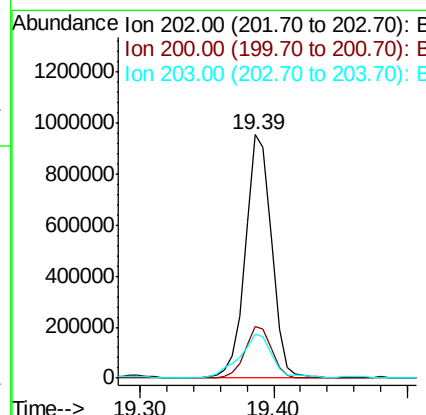
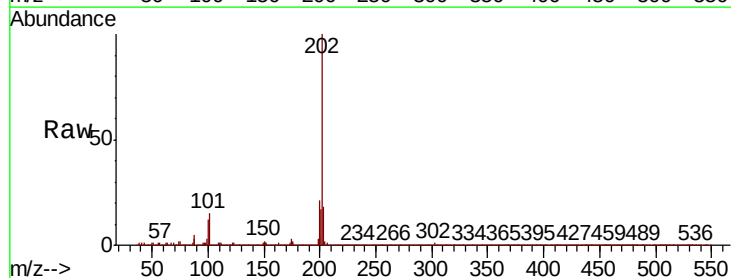
Instrument :
BNA_P
ClientSampleId :

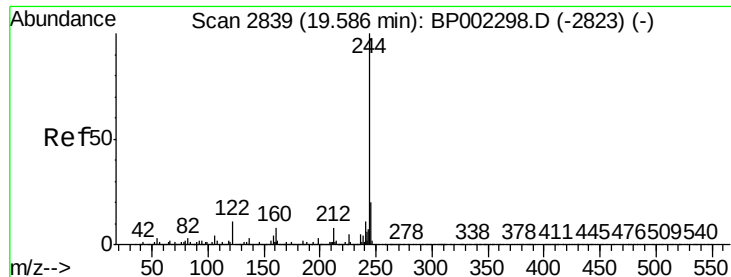
Tot Ion:240 Resp: 1677741
Ion Ratio Lower Upper
240 100
120 12.9 8.7 13.1
236 27.0 21.0 31.4



#78
Pyrene
Concen: 12.311 ng
RT: 19.39 min Scan# 2805
Delta R.T. 0.00 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

Tgt Ion:202 Resp: 1286202
Ion Ratio Lower Upper
202 100
200 21.3 17.3 25.9
203 18.2 13.8 20.6





#79

Terphenyl-d14

Concen: 45.844 ng

RT: 19.60 min Scan# 2842

Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

Instrument :

BNA_P

ClientSampleId :

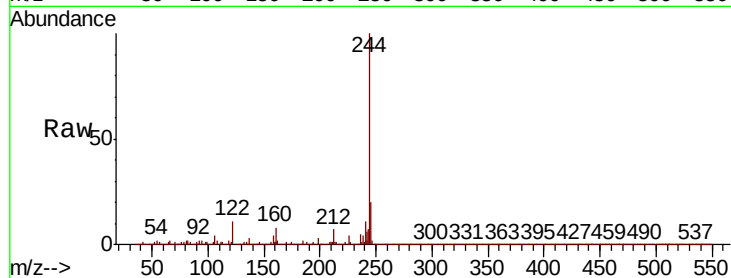
Tot Ion:244 Resp: 3176010

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

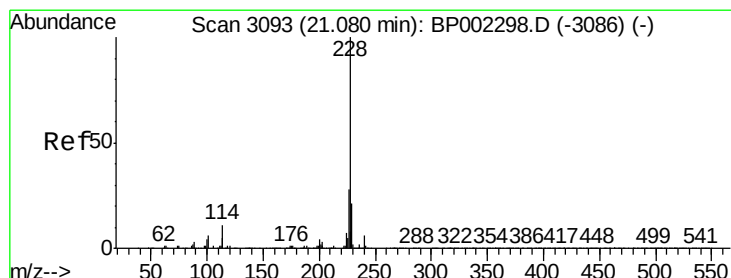
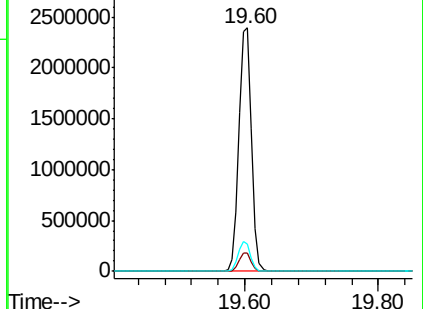
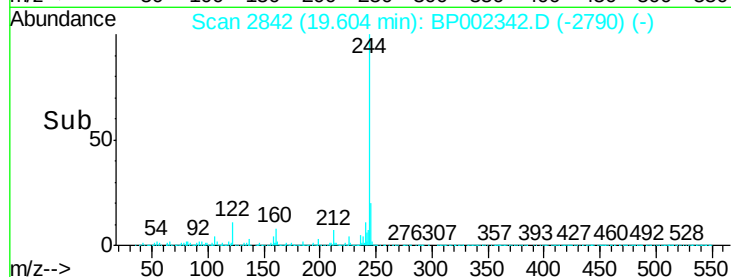
122 11.0 9.4 14.0



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: 7.035 ng

RT: 21.10 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

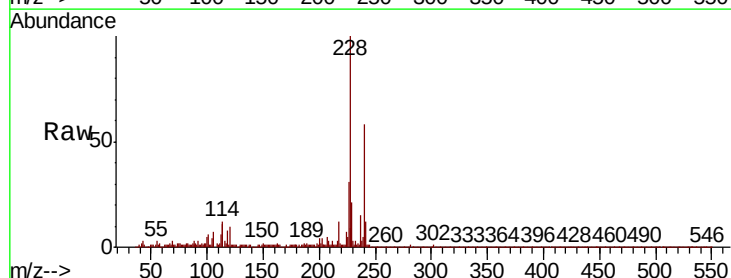
Tgt Ion:228 Resp: 675602

Ion Ratio Lower Upper

228 100

226 30.8 22.7 34.1

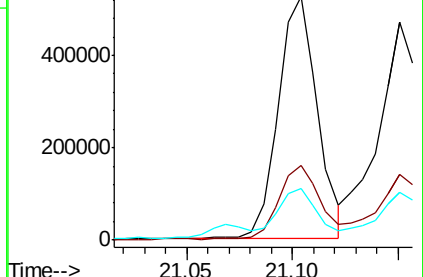
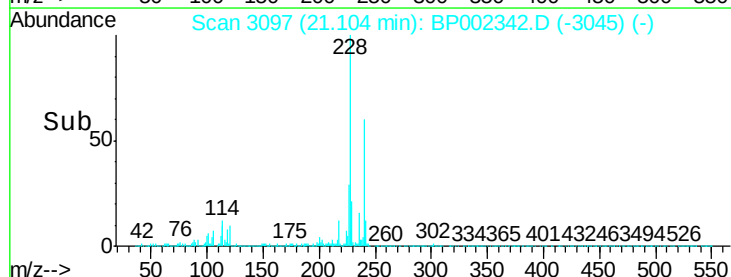
229 21.3 16.3 24.5

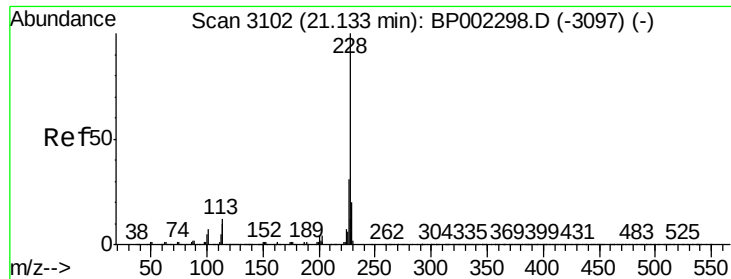


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

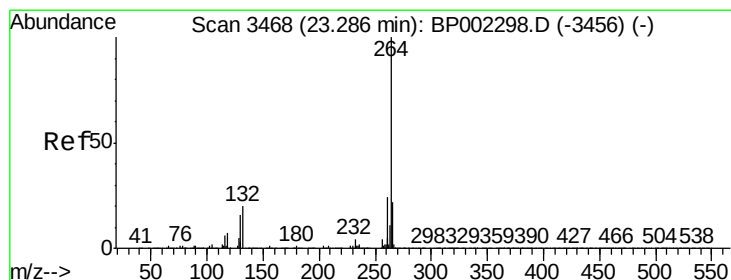
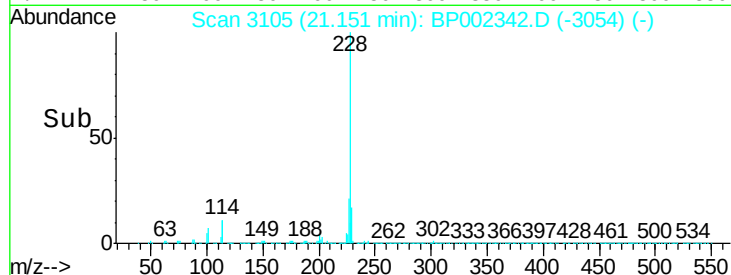
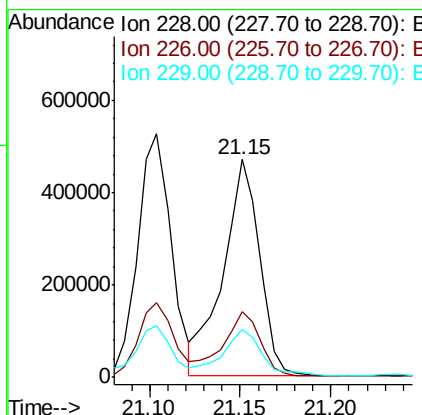
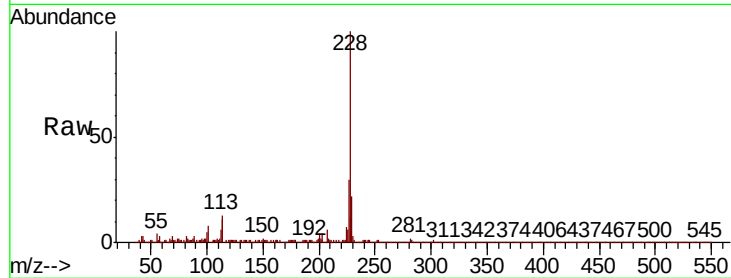




#83
Chrysene
Concen: 7.147 ng
RT: 21.15 min Scan# 3105
Delta R.T. -0.00 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

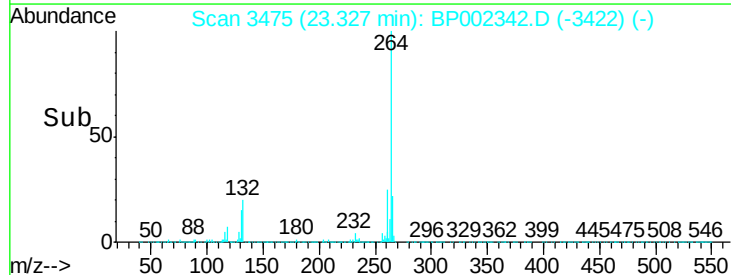
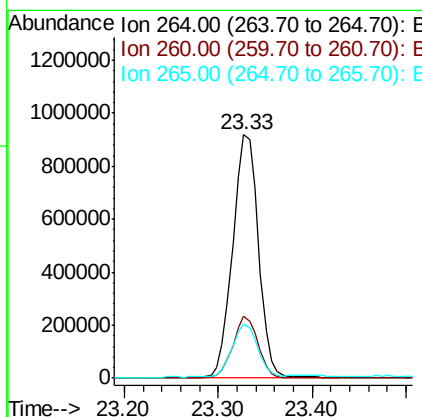
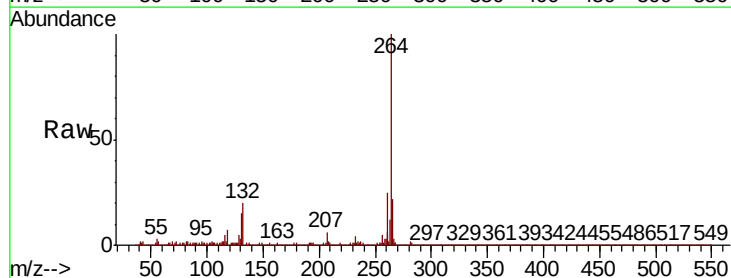
Instrument :
BNA_P
ClientSampleId :

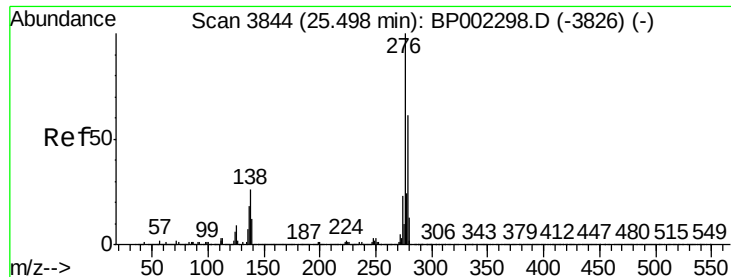
Tot Ion:228 Resp: 658779
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 21.8 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.33 min Scan# 3475
Delta R.T. 0.01 min
Lab File: BP002342.D
Acq: 01 Jun 2020 16:52

Tgt Ion:264 Resp: 1747256
Ion Ratio Lower Upper
264 100
260 25.5 19.4 29.2
265 22.5 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.027 ng

RT: 25.56 min Scan# 3854

Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

Instrument :

BNA_P

ClientSampleId :

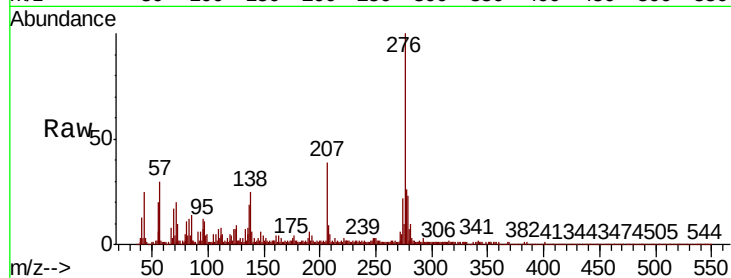
Tot Ion:276 Resp: 435499

Ion Ratio Lower Upper

276 100

138 24.4 18.2 27.4

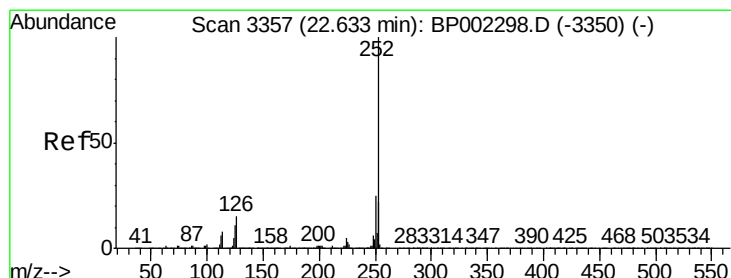
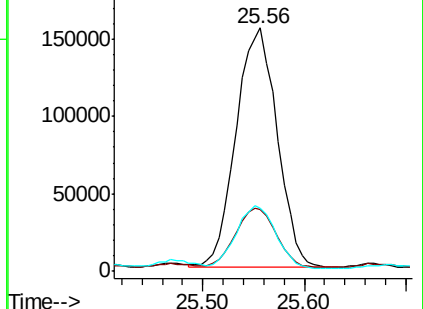
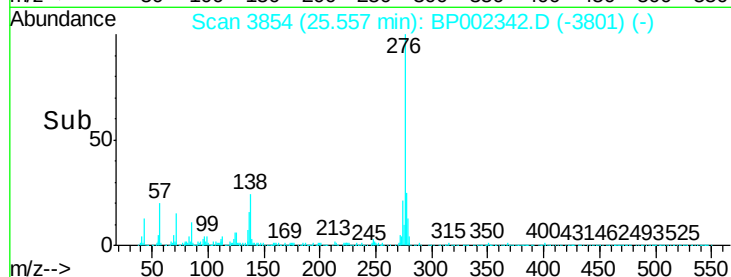
277 25.6 20.2 30.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 12.403 ng

RT: 22.67 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

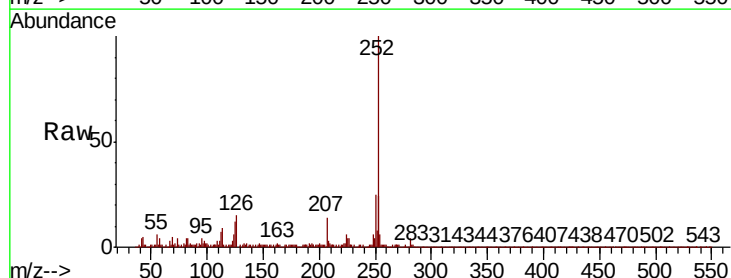
Tgt Ion:252 Resp: 1181496

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

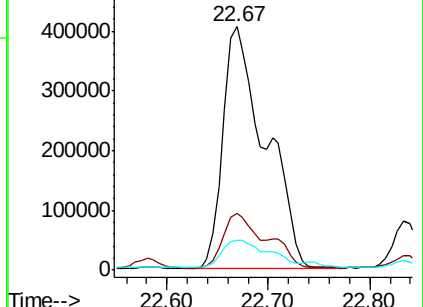
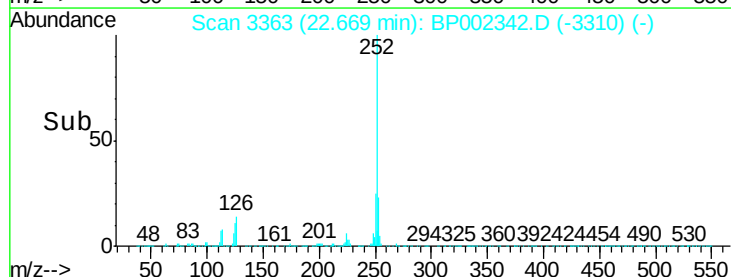
125 12.4 7.2 10.8#

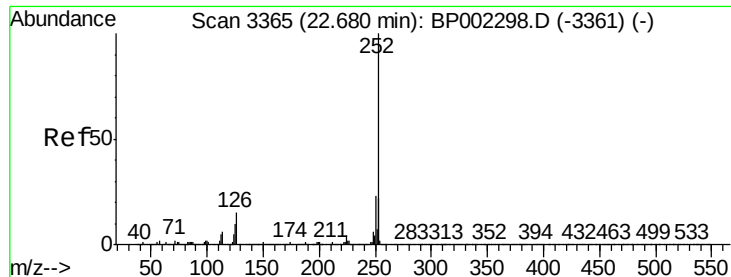


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 12.925 ng

RT: 22.67 min Scan# 3363

Delta R.T. -0.04 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

Instrument :

BNA_P

ClientSampleId :

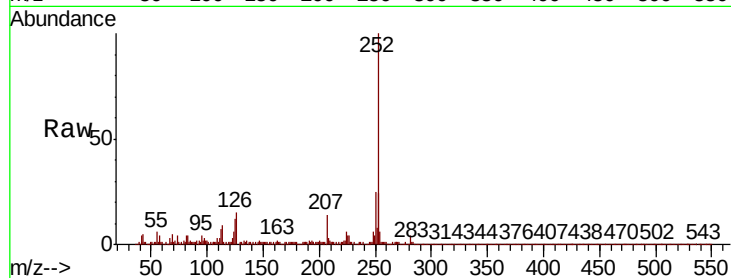
Tot Ion:252 Resp: 1181496

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

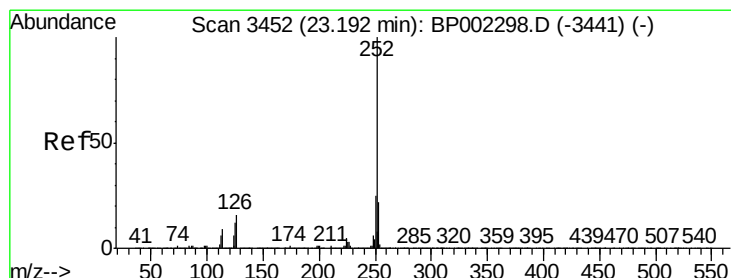
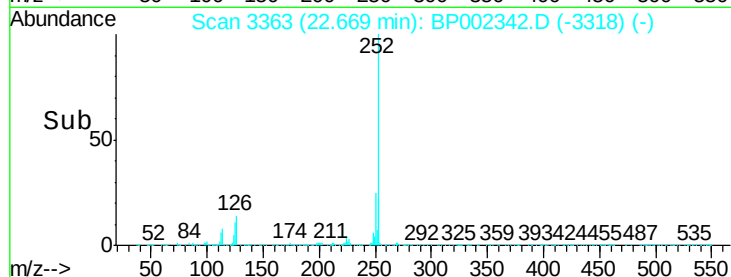
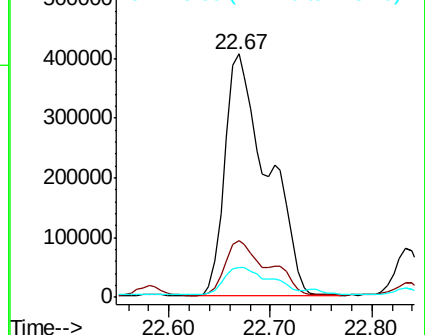
125 12.4 7.4 11.2#



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: 7.263 ng

RT: 23.23 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

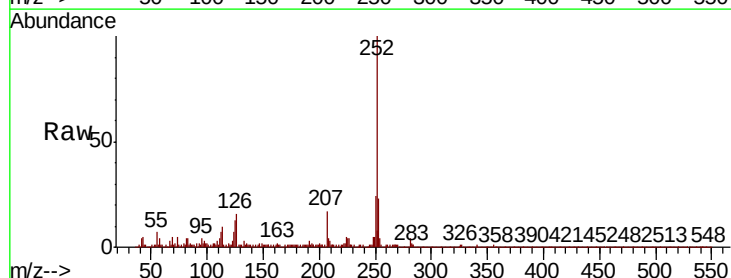
Tgt Ion:252 Resp: 641794

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

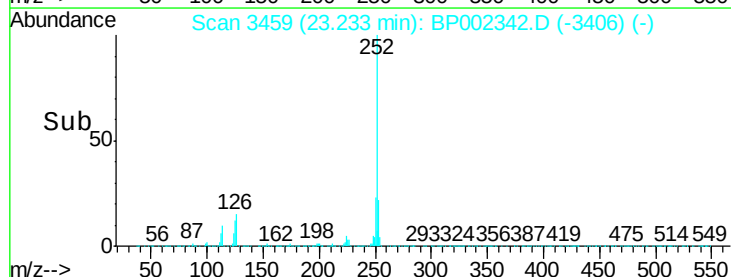
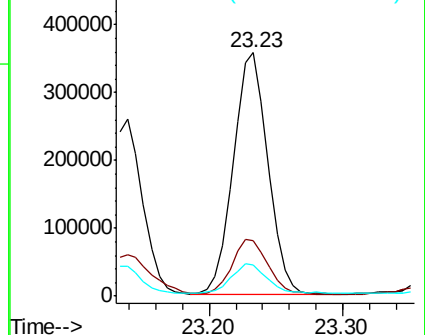
125 13.0 8.4 12.6#

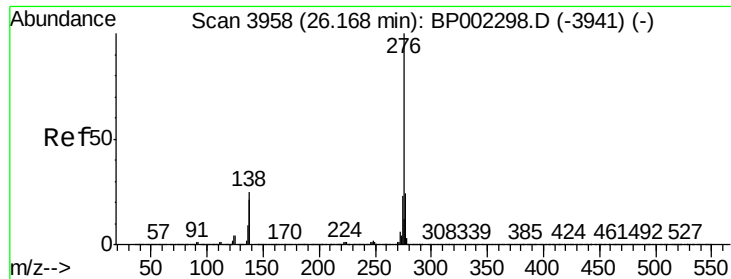


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 5.021 ng

RT: 26.23 min Scan# 3969

Delta R.T. 0.02 min

Lab File: BP002342.D

Acq: 01 Jun 2020 16:52

Instrument :

BNA_P

ClientSampleId :

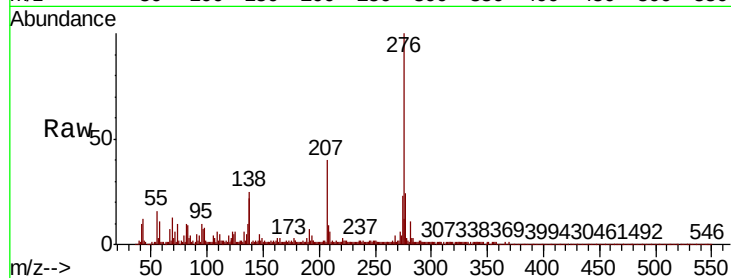
Tot Ion: 276 Resp: 451613

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 25.4 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

