

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062420\
 Data File : BP002533.D
 Acq On : 24 Jun 2020 20:59
 Operator : CG/JU
 Sample : L2818-07 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-062320

Quant Time: Jun 25 01:14:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 24 13:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	176819	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	648800	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	372809	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	813716	20.00	ng	0.00
76) Chrysene-d12	21.10	240	653412	20.00	ng	0.00
86) Perylene-d12	23.30	264	698847	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	360959	37.77	ng	0.00
7) Phenol-d6	6.77	99	447556	35.18	ng	0.00
23) Nitrobenzene-d5	8.73	82	294974	27.15	ng	0.00
42) 2,4,6-Tribromophenol	15.73	330	142969	40.05	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	628823	28.36	ng	0.00
79) Terphenyl-d14	19.58	244	786933	4.75	ng	0.00

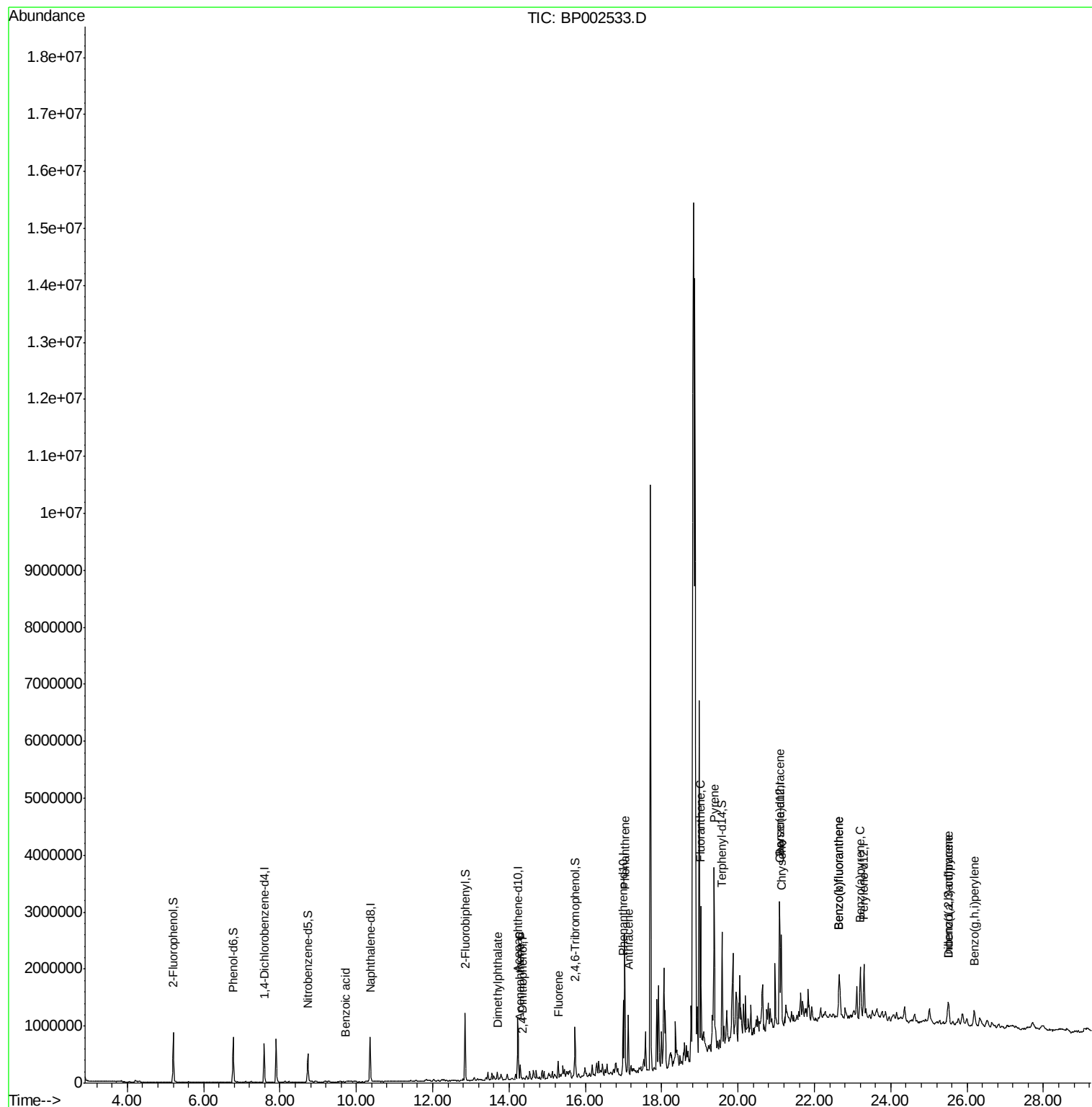
Target Compounds				Qvalue		
9) Benzaldehyde	6.70	77	222	Below Cal	#	1
32) Benzoic acid	9.70	122	230	4.630	ng	57
50) Dimethylphthalate	13.69	163	77404	3.030	ng	100
52) Acenaphthene	14.29	154	85005	4.549	ng	98
54) 2,4-Dinitrophenol	14.36	184	38	2.797	ng	1
58) Fluorene	15.29	166	122435	5.174	ng	99
61) 4-Chlorophenyl-phenylether	15.27	204	36	Below Cal	#	1
71) Phenanthrene	17.03	178	1491833	39.193	ng	99
72) Anthracene	17.12	178	613526	16.225	ng	99
75) Fluoranthene	19.02	202	1394391	30.689	ng	98
78) Pyrene	19.37	202	2118686	52.936	ng	98
81) Benzo(a)anthracene	21.08	228	955470	25.618	ng	99
83) Chrysene	21.13	228	875096	24.765	ng	98
87) Indeno(1,2,3-cd)pyrene	25.52	276	310747	7.109	ng	98
88) Benzo(b)fluoranthene	22.64	252	918843	24.381	ng	# 96
89) Benzo(k)fluoranthene	22.64	252	918843	25.660	ng	# 93
90) Benzo(a)pyrene	23.20	252	681732	19.303	ng	99
91) Dibenzo(a,h)anthracene	25.52	278	96585	2.755	ng	# 82
92) Benzo(a,h,i)perylene	26.19	276	341260	9.397	ng	97

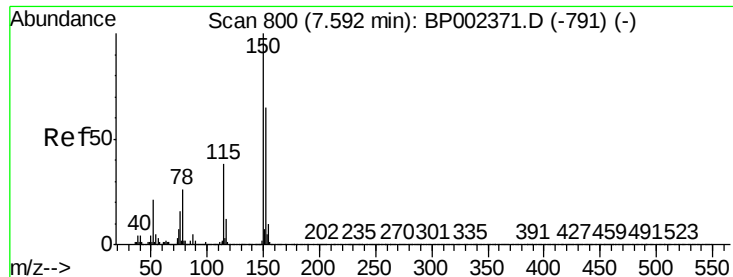
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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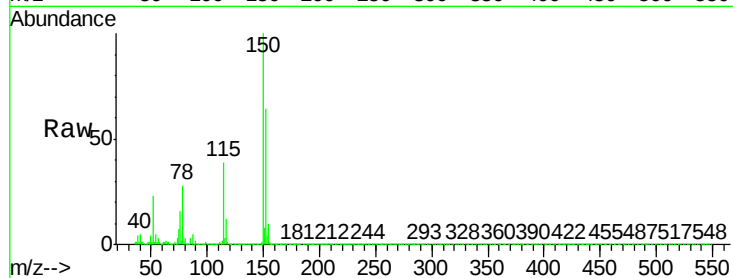


#1

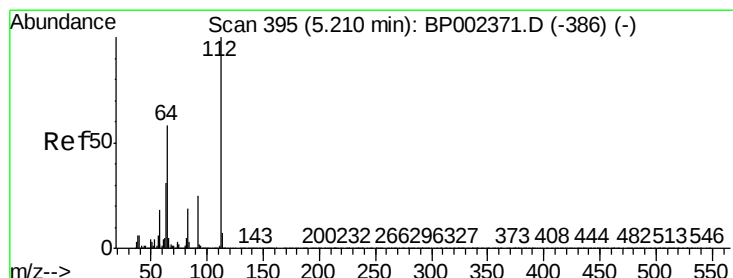
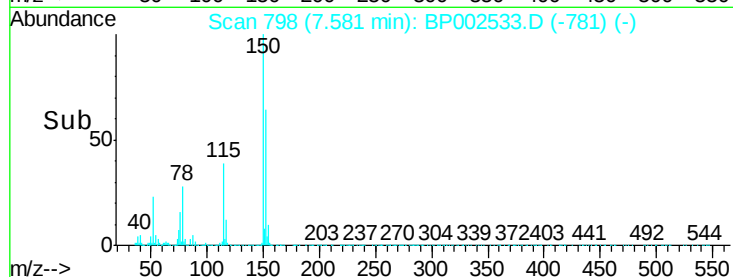
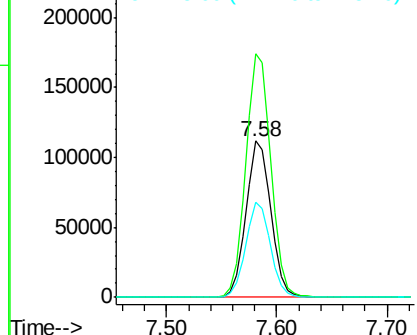
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.58 min Scan# 798
Delta R.T. -0.00 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

Instrument :
BNA_P
ClientSampleId :
TR-05-062320

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.4	186.6
115	60.7	47.8	71.6



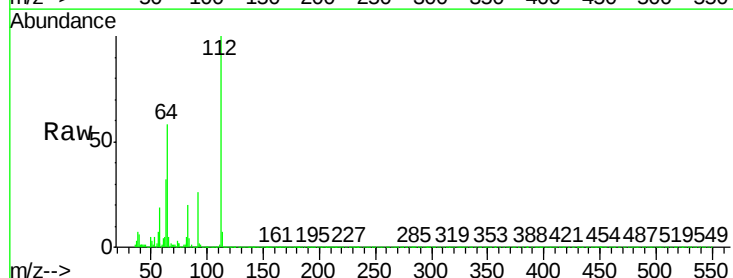
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



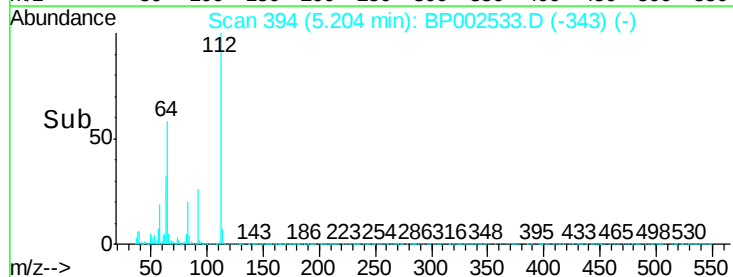
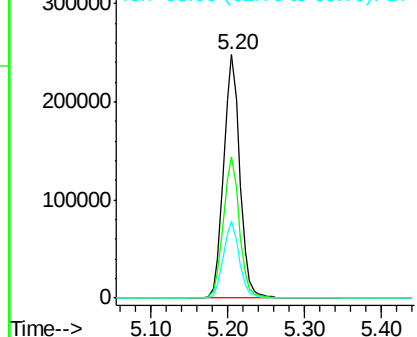
#5

2-Fluorophenol
Concen: 37.774 ng
RT: 5.20 min Scan# 394
Delta R.T. -0.00 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.4	69.6
63	31.7	25.0	37.6



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: 35.179 ng

RT: 6.77 min Scan# 661

Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampleId :

TR-05-062320

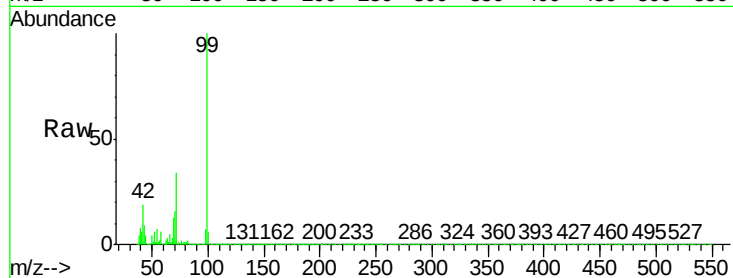
Tot Ion: 99 Resp: 447556

Ion Ratio Lower Upper

99 100

42 18.6 15.3 22.9

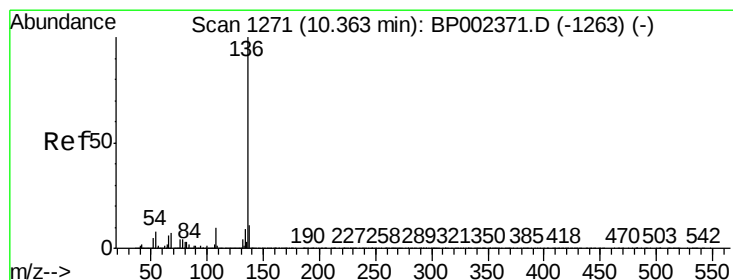
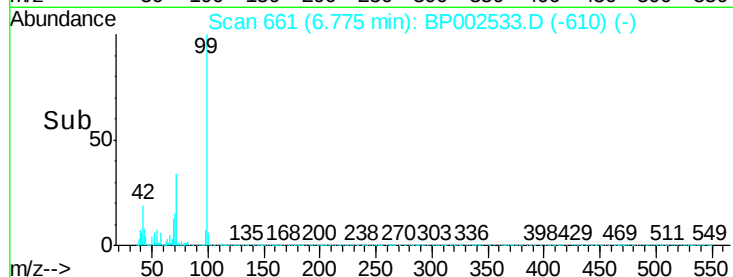
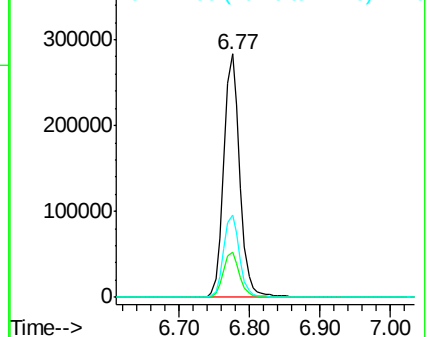
71 34.0 28.2 42.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.36 min Scan# 1270

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Tgt Ion: 136 Resp: 648800

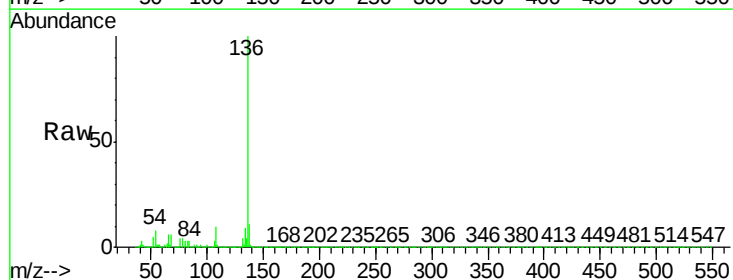
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.8 6.6 10.0

68 6.3 5.4 8.0

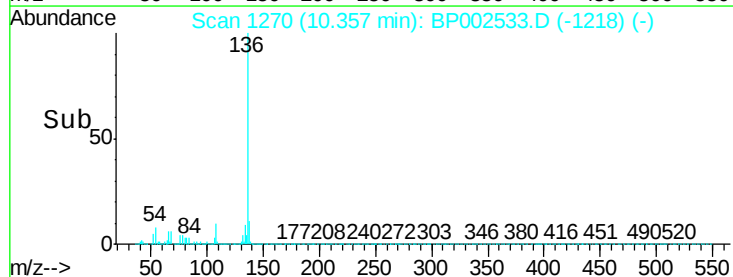
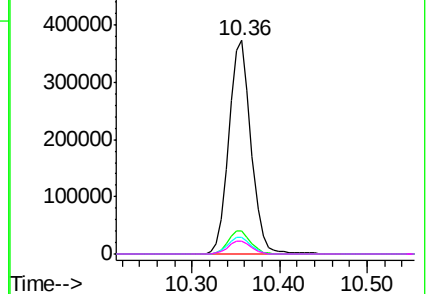


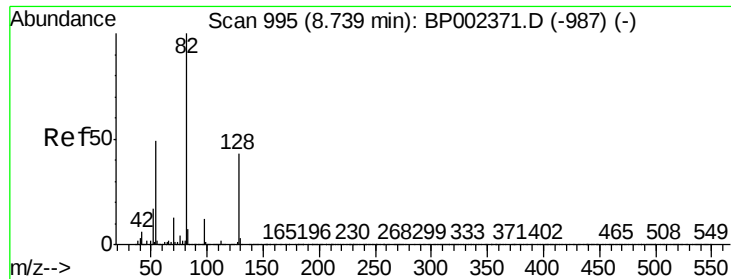
Abundance Ion 136.00 (135.70 to 136.70): E

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

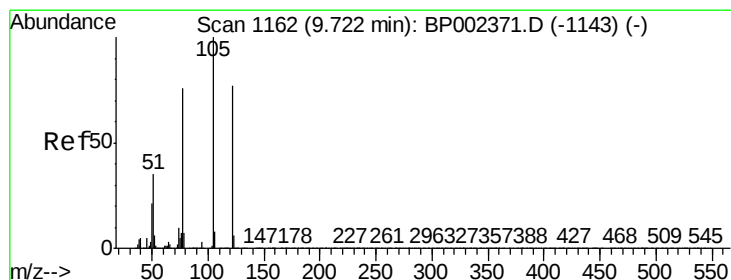
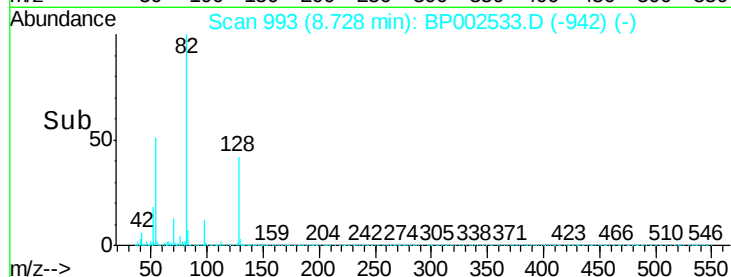
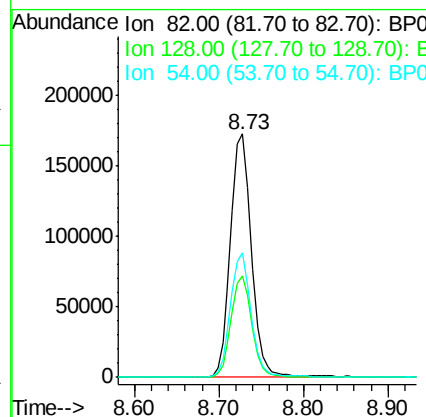
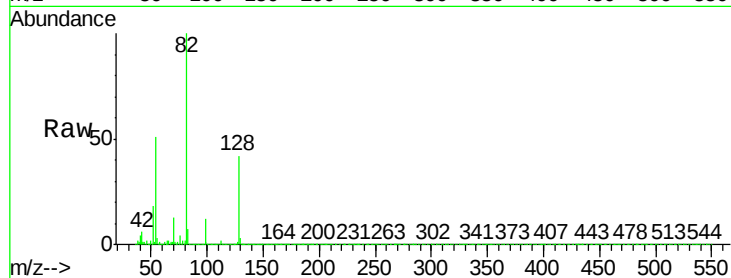




#23
Nitrobenzene-d5
Concen: 27.151 ng
RT: 8.73 min Scan# 993
Delta R.T. -0.00 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

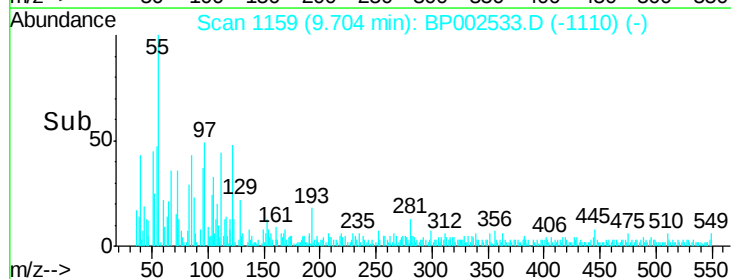
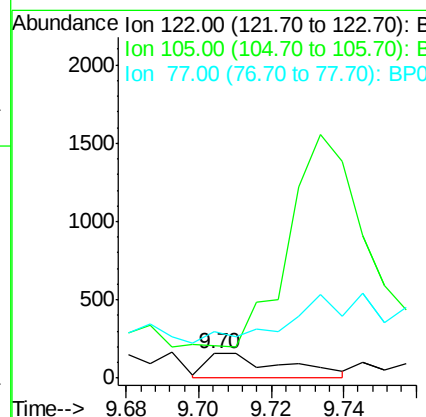
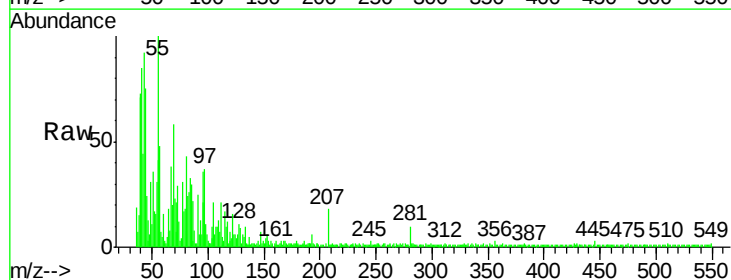
Instrument :
BNA_P
ClientSampleId :
TR-05-062320

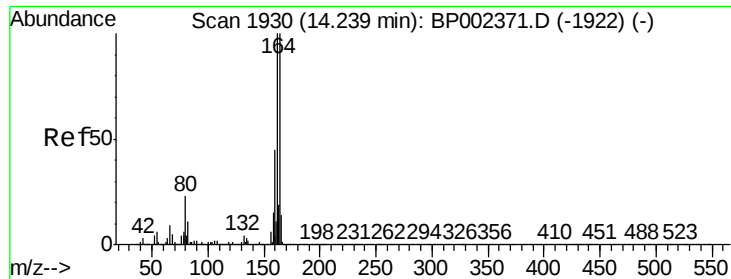
Tot Ion	82	Resp	294974
Ion Ratio	Lower	Upper	
82	100		
128	41.8	32.8	49.2
54	51.1	39.9	59.9



#32
Benzoic acid
Concen: 4.630 ng
RT: 9.70 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

Tgt Ion	122	Resp	230
Ion Ratio	Lower	Upper	
122	100		
105	129.9	105.0	145.0
77	187.9	76.9	116.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.23 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampleId :

TR-05-062320

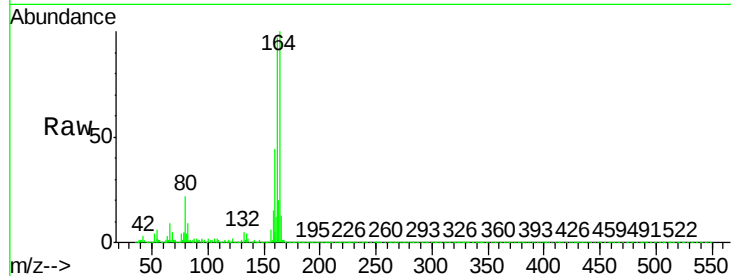
Tot Ion:164 Resp: 372809

Ion Ratio Lower Upper

164 100

162 96.8 80.6 121.0

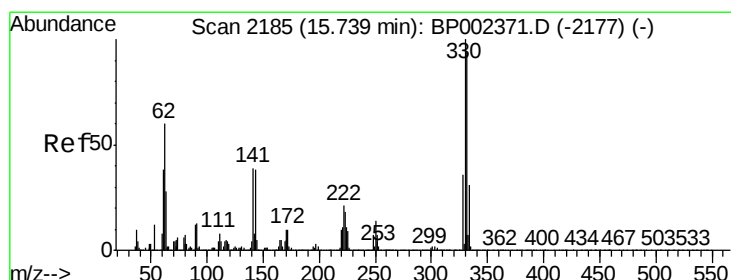
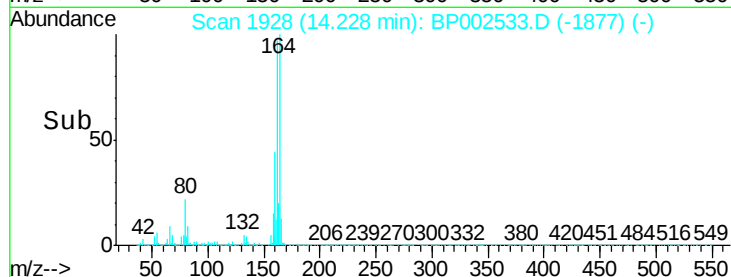
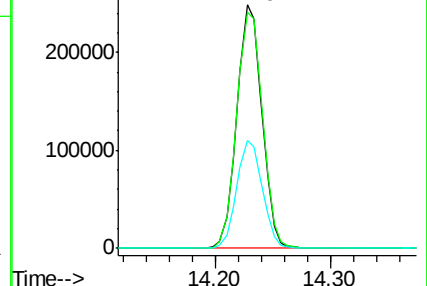
160 44.1 35.4 53.2



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: 40.054 ng

RT: 15.73 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

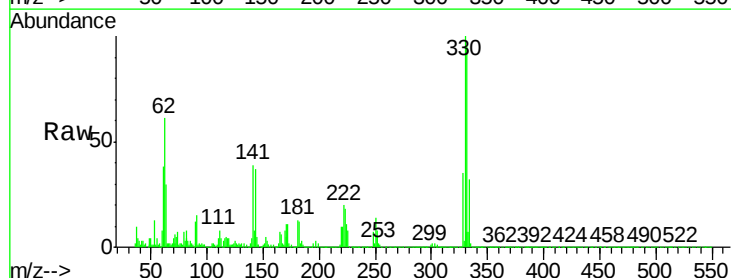
Tgt Ion:330 Resp: 142969

Ion Ratio Lower Upper

330 100

332 97.5 77.2 115.8

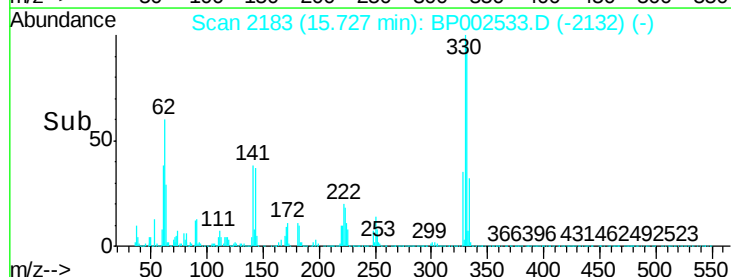
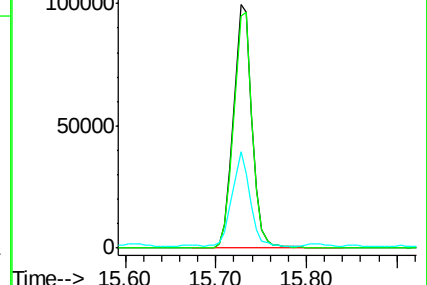
141 37.2 30.4 45.6

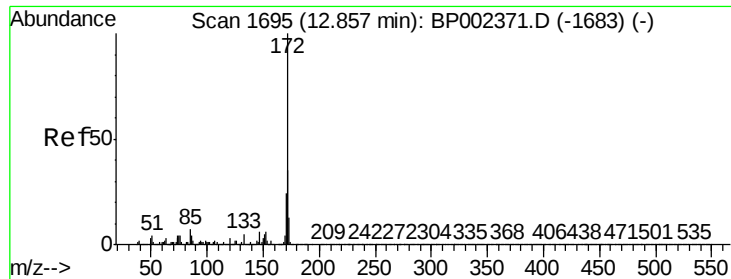


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

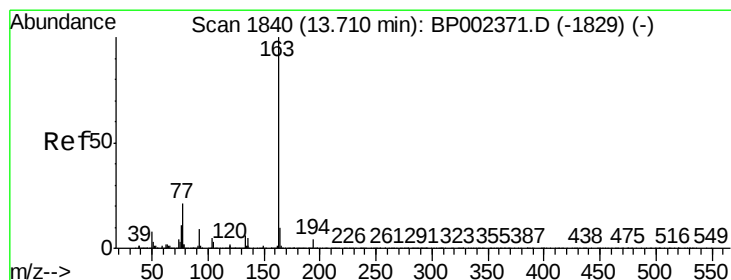
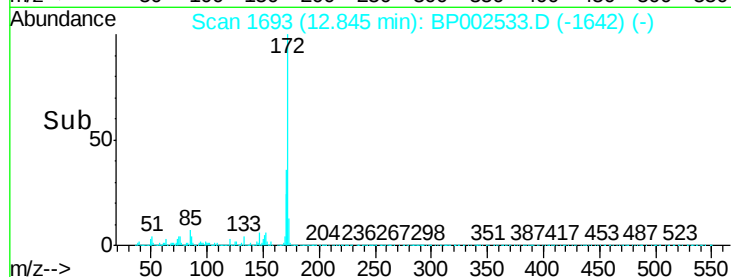
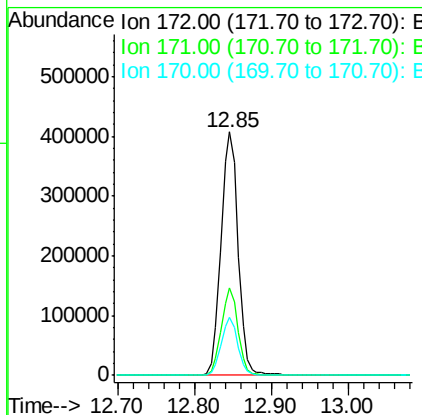
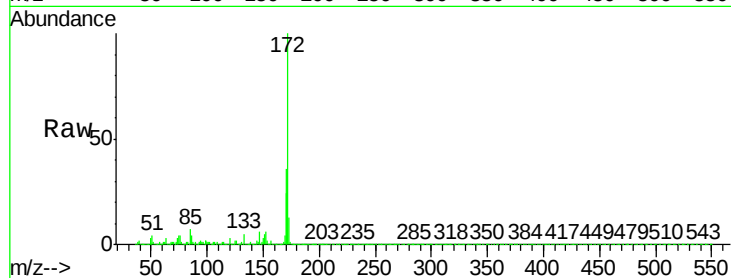




#45
2-Fluorobiphenyl
Concen: 28.361 ng
RT: 12.85 min Scan# 1693
Delta R.T. -0.00 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

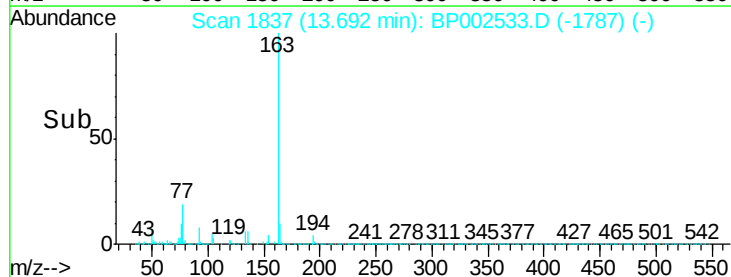
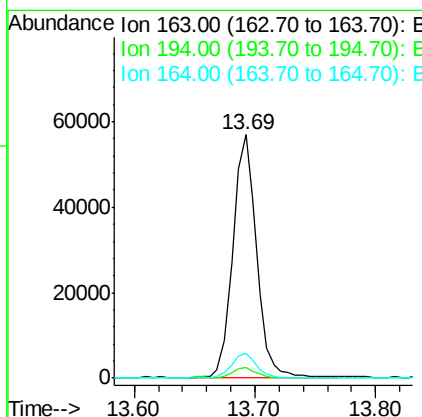
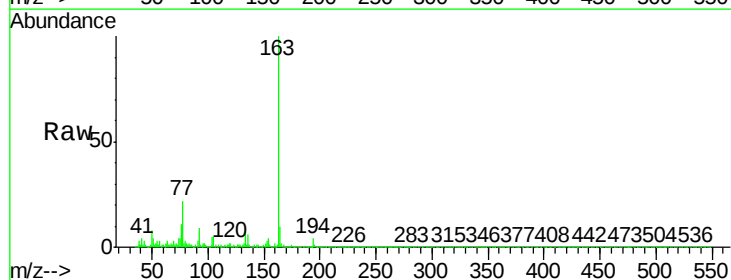
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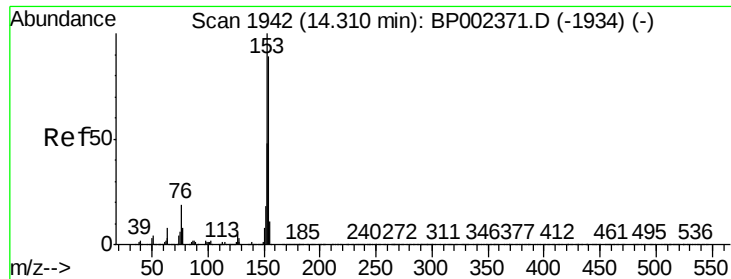
Tot Ion:172 Resp: 628823
Ion Ratio Lower Upper
172 100
171 35.7 27.9 41.9
170 24.0 19.0 28.6



#50
Dimethylphthalate
Concen: 3.030 ng
RT: 13.69 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

Tgt Ion:163 Resp: 77404
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.4 8.2 12.2





#52

Acenaphthene

Concen: 4.549 ng

RT: 14.29 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampleId :

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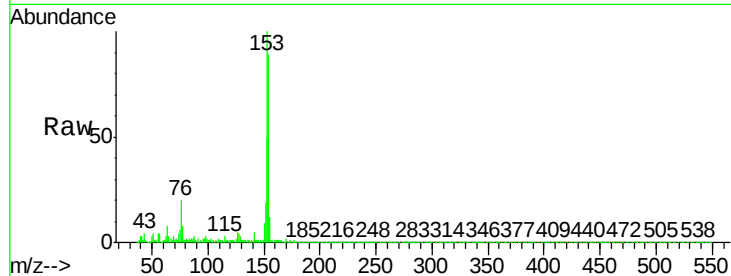
Tot Ion:154 Resp: 85005

Ion Ratio Lower Upper

154 100

153 112.8 91.9 137.9

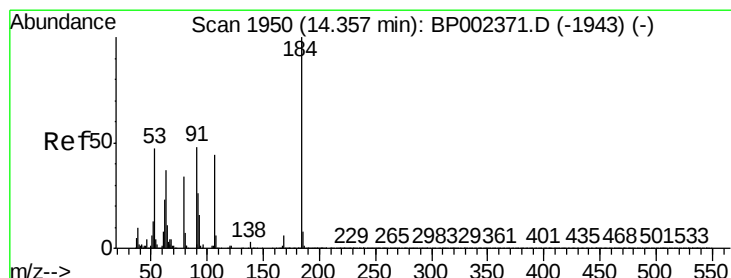
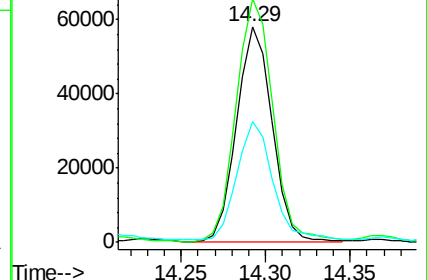
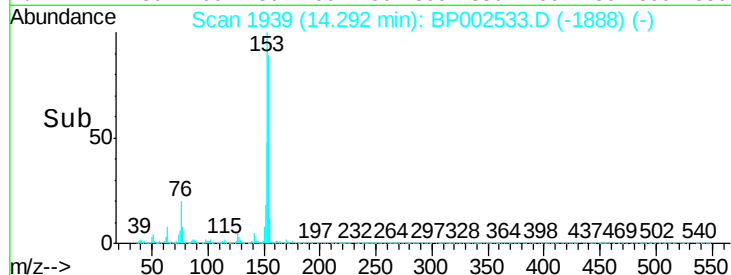
152 56.1 43.5 65.3



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: 2.797 ng

RT: 14.36 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

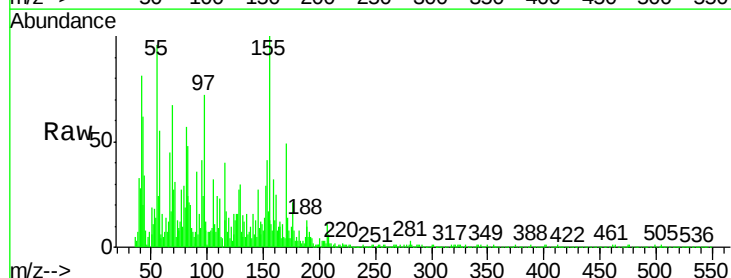
Tgt Ion:184 Resp: 38

Ion Ratio Lower Upper

184 100

63 578.9 51.3 76.9#

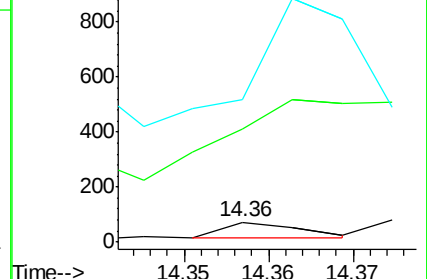
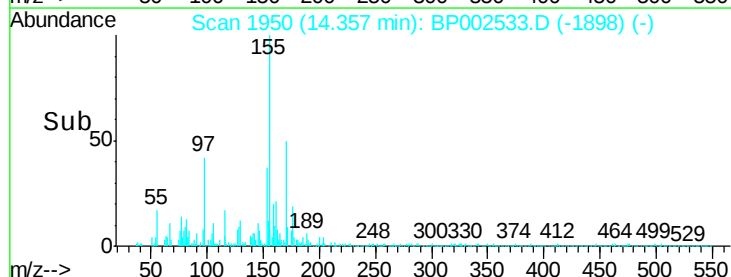
154 728.2 50.2 75.2#

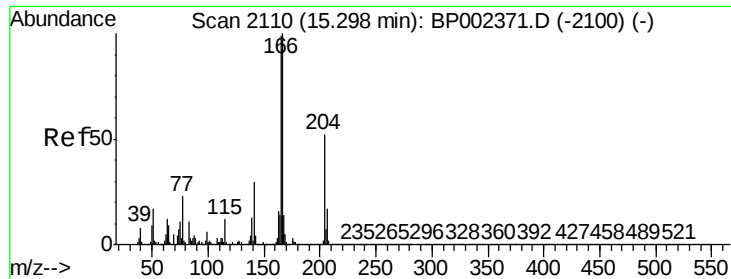


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 5.174 ng

RT: 15.29 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampled :

TR-05-062320

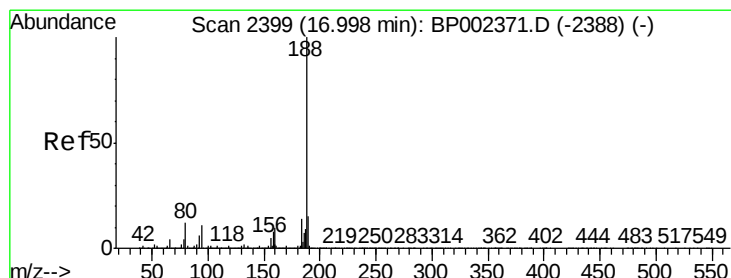
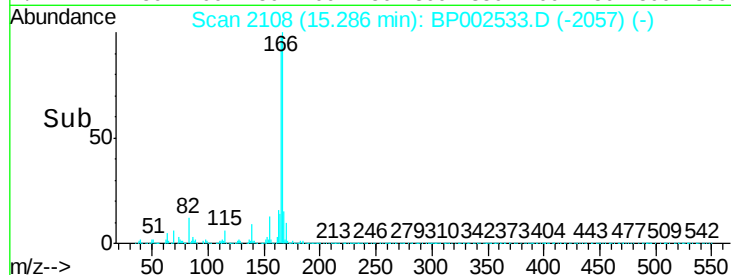
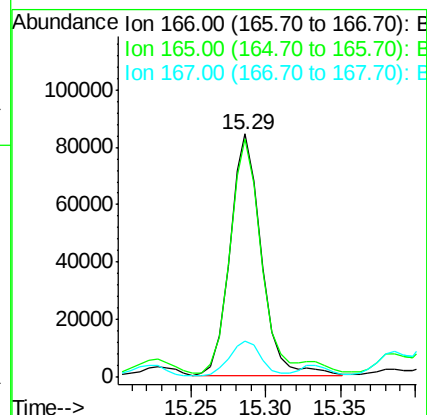
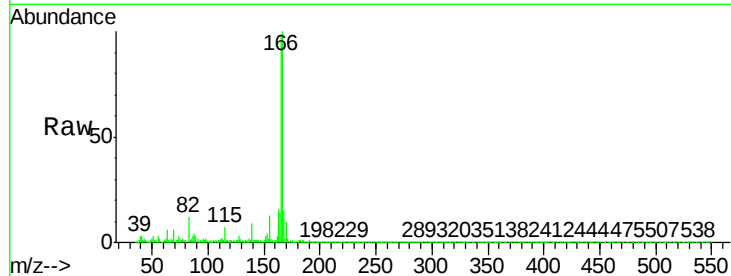
Tot Ion:166 Resp: 122435

Ion Ratio Lower Upper

166 100

165 98.2 78.3 117.5

167 14.8 10.6 15.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

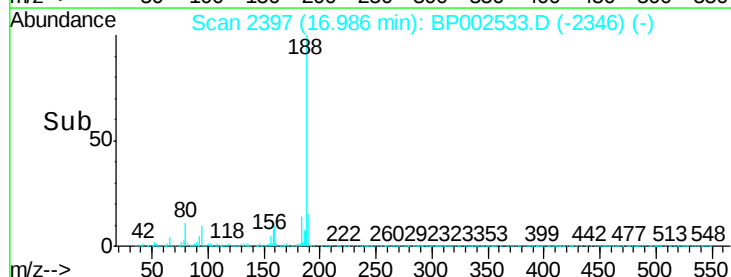
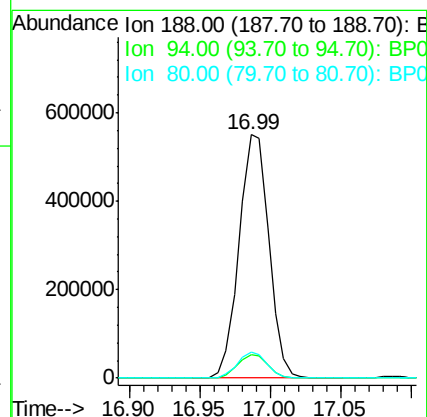
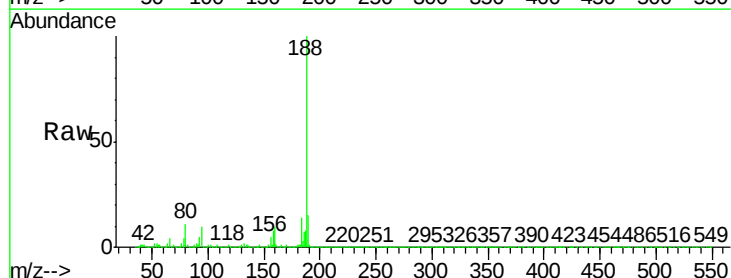
Tgt Ion:188 Resp: 813716

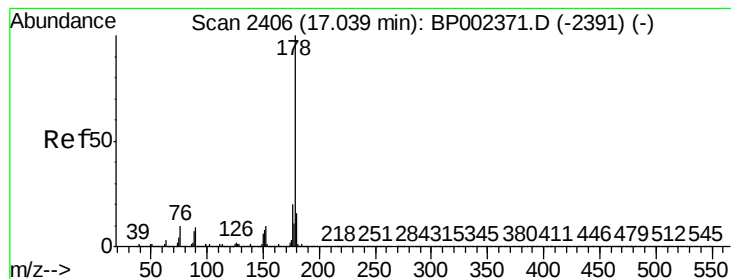
Ion Ratio Lower Upper

188 100

94 9.8 7.6 11.4

80 10.9 8.3 12.5





#71

Phenanthrene

Concen: 39.193 ng

RT: 17.03 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

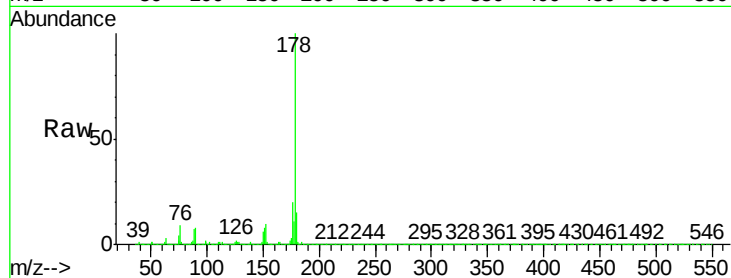
BNA_P

ClientSampleId :

TR-05-062320

Tot Ion:178 Resp: 1491833

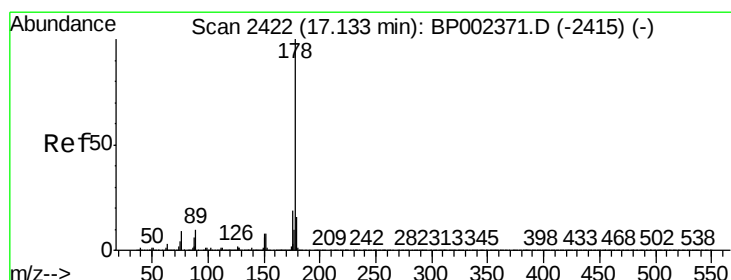
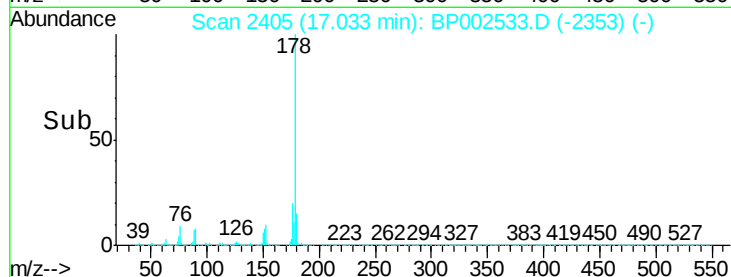
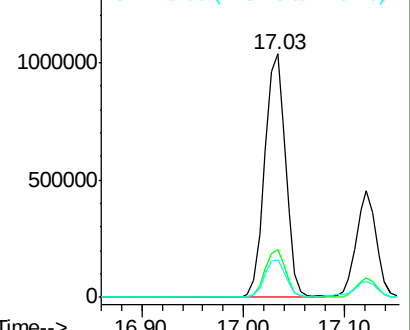
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.5	12.8	19.2



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: 16.225 ng

RT: 17.12 min Scan# 2420

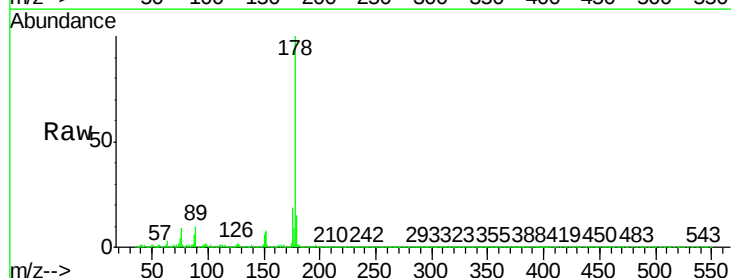
Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Tgt Ion:178 Resp: 613526

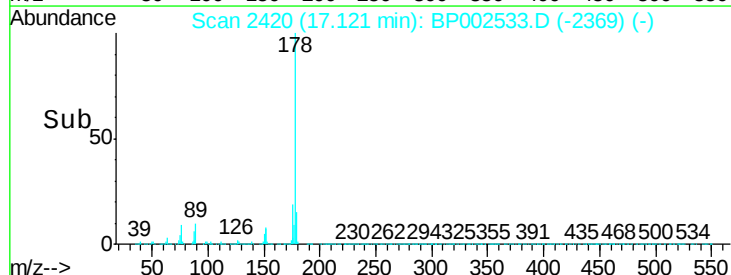
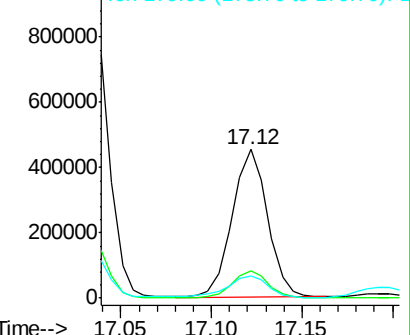
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.1	12.3	18.5

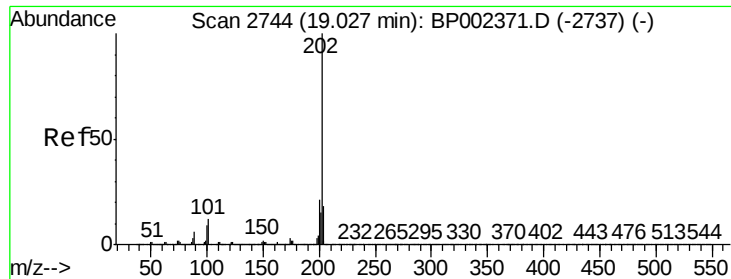


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 30.689 ng

RT: 19.02 min Scan# 2743

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

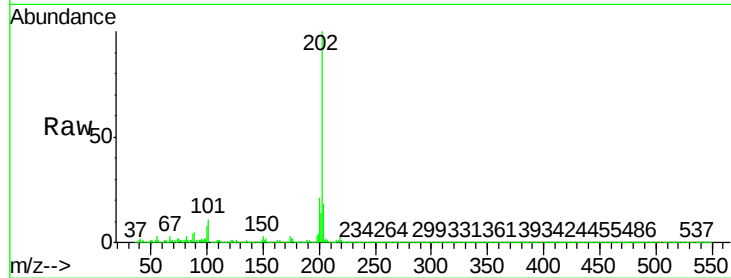
BNA_P

ClientSampleId :

TR-05-062320

Tot Ion:202 Resp: 1394391

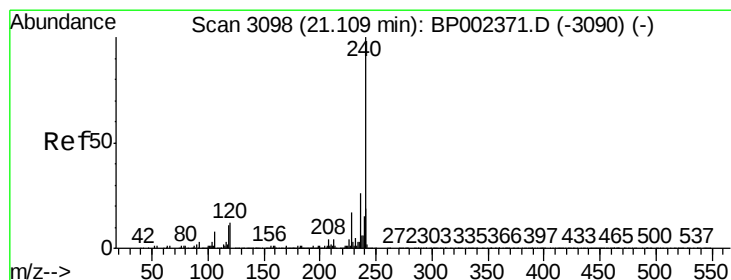
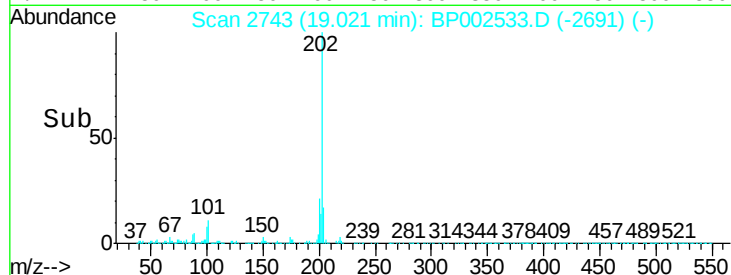
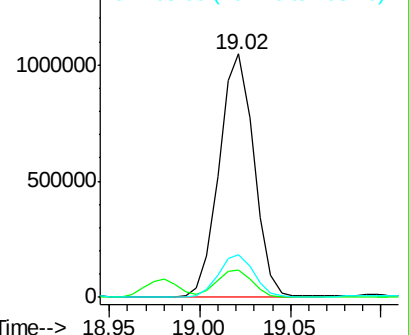
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	30.3
203	17.5	0.0	36.9



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: 21.10 min Scan# 3096

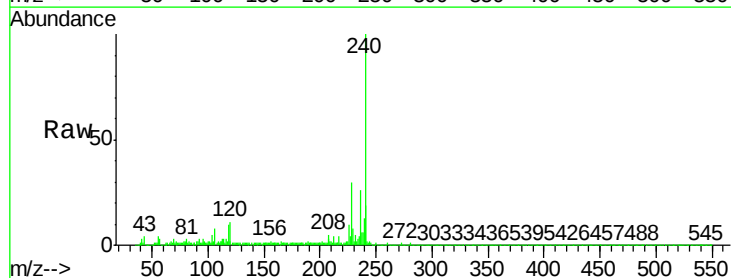
Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Tgt Ion:240 Resp: 653412

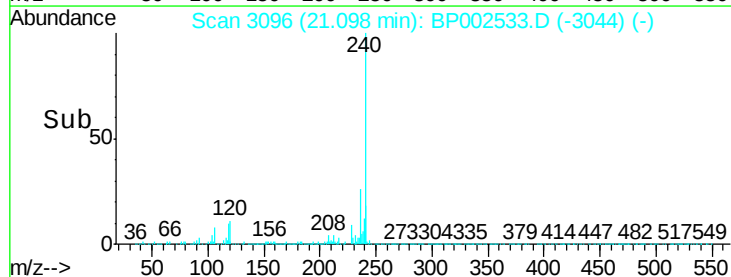
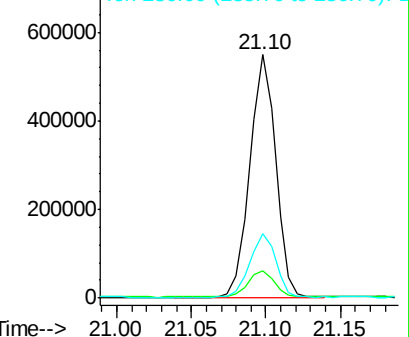
Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.9	13.3
236	26.2	21.7	32.5

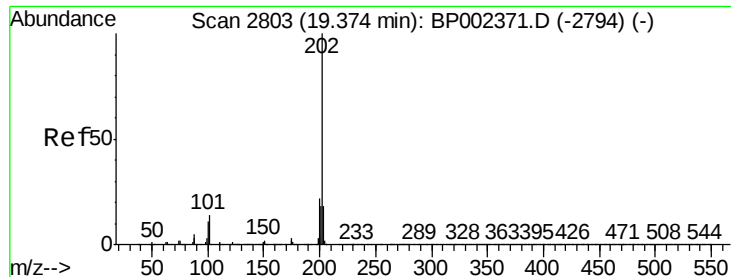


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 52.936 ng

RT: 19.37 min Scan# 2803

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

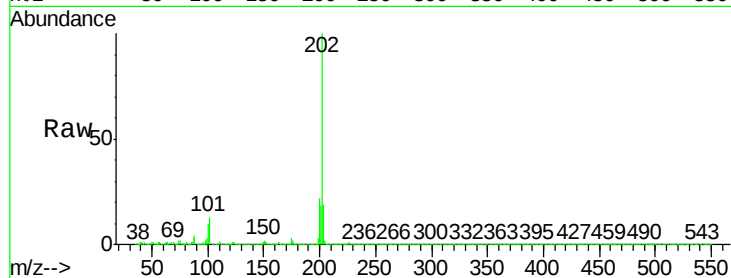
BNA_P

ClientSampleId :

TR-05-062320

Tot Ion:202 Resp: 2118686

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.2
203	18.9	14.1	21.1

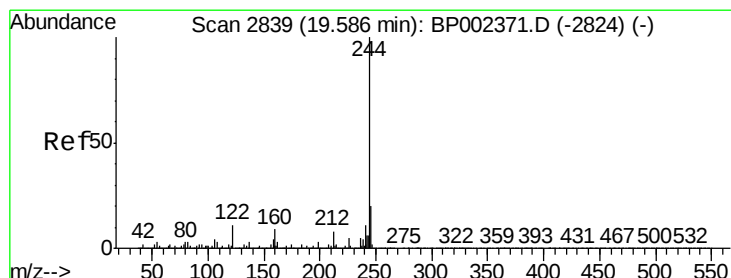
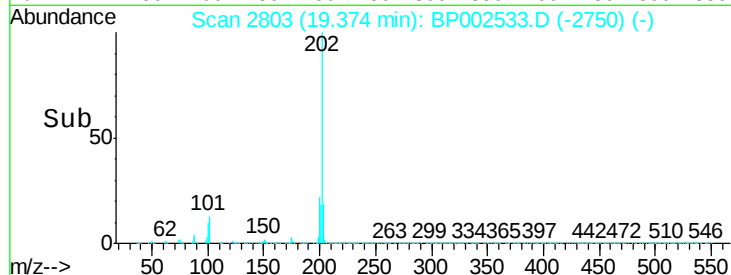
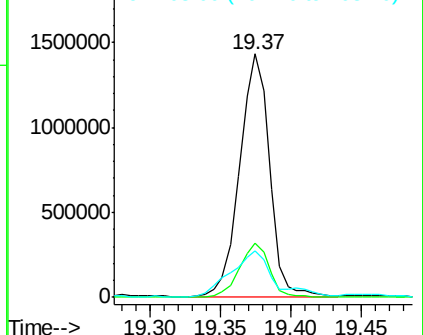


Abundance

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: 4.746 ng

RT: 19.58 min Scan# 2838

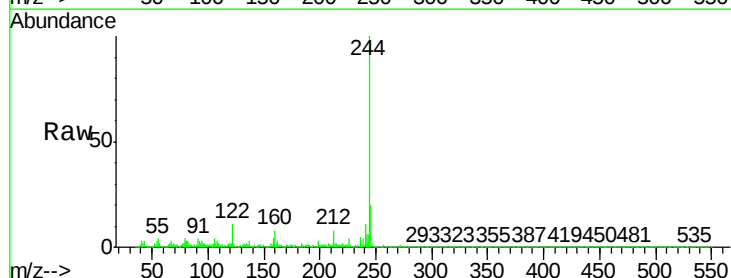
Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Tgt Ion:244 Resp: 786933

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	11.4	8.0	12.0

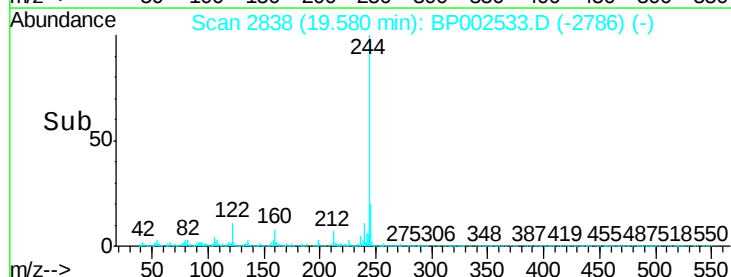
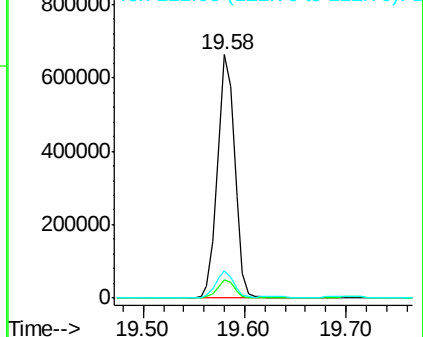


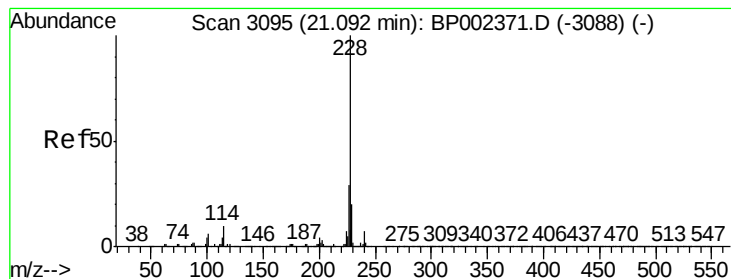
Abundance

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: 25.618 ng

RT: 21.08 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampleId :

TR-05-062320

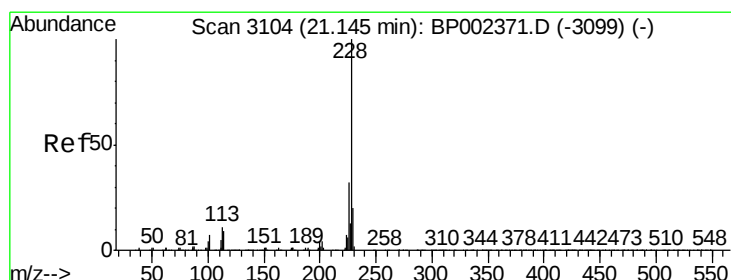
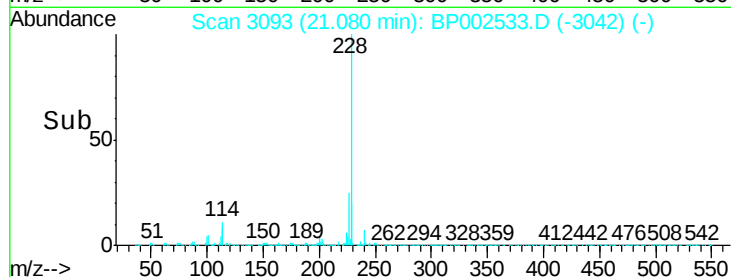
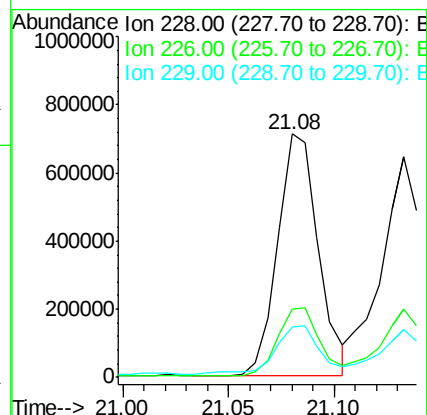
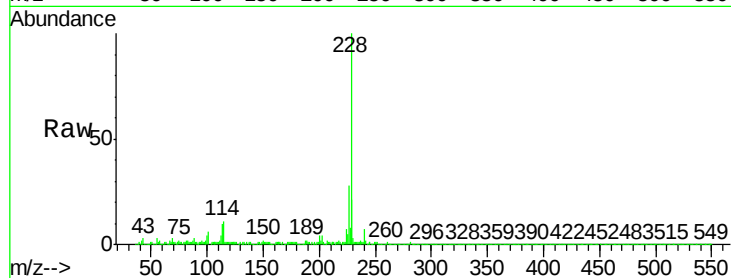
Tot Ion:228 Resp: 955470

Ion Ratio Lower Upper

228 100

226 28.1 22.3 33.5

229 20.8 15.9 23.9



#83

Chrysene

Concen: 24.765 ng

RT: 21.13 min Scan# 3102

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

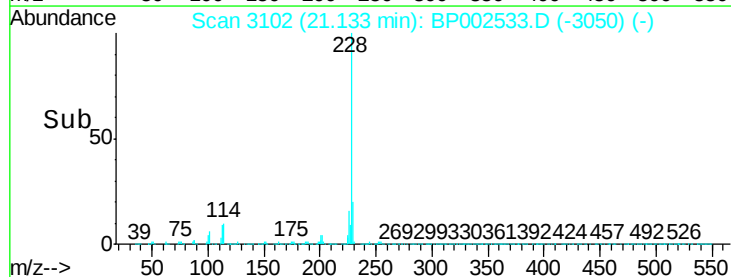
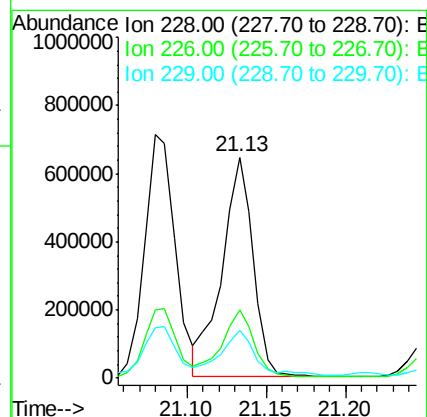
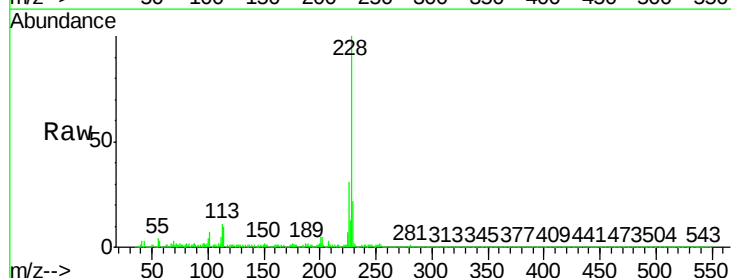
Tgt Ion:228 Resp: 875096

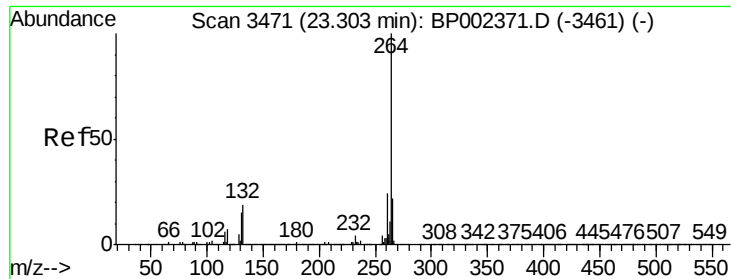
Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

229 21.7 15.7 23.5

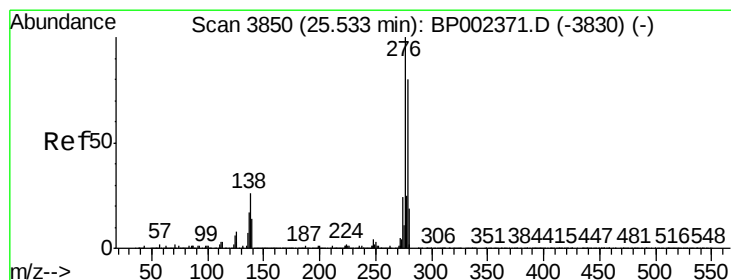
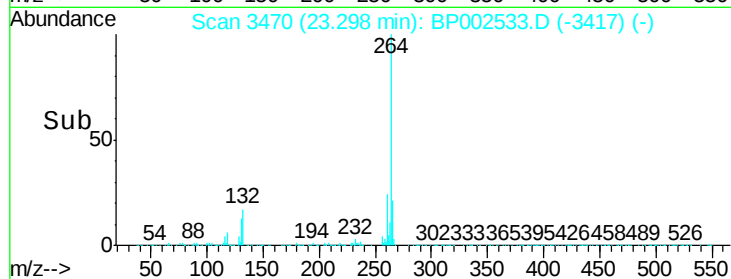
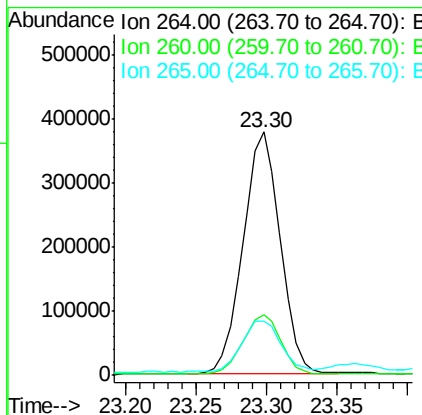
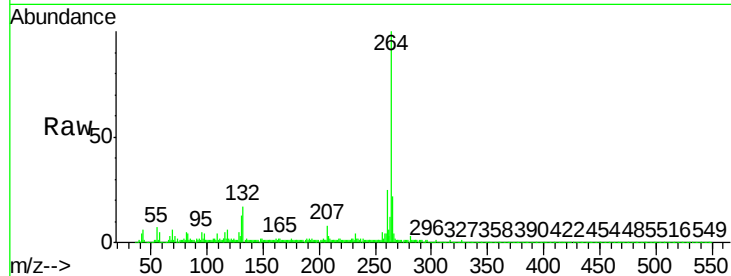




#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. 0.01 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

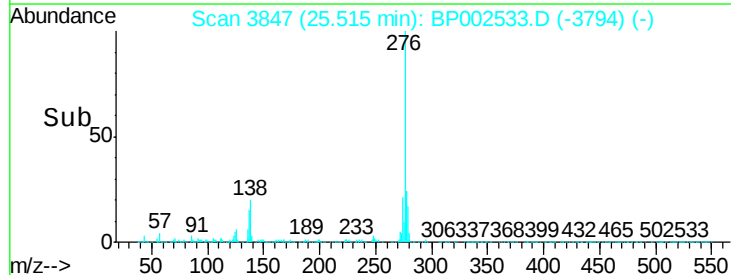
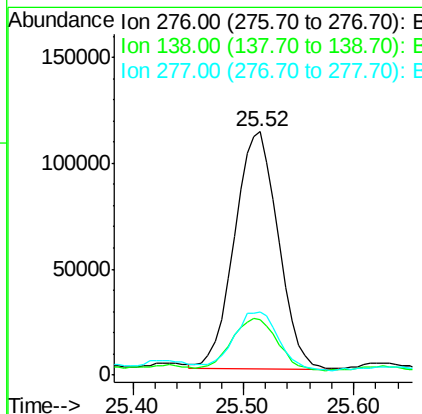
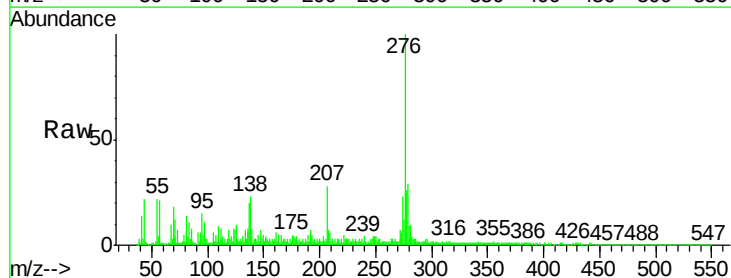
Instrument :
BNA_P
ClientSampleId :
TR-05-062320

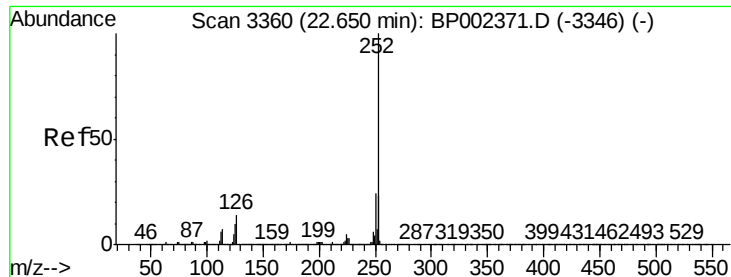
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.3	17.6	26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.109 ng
RT: 25.52 min Scan# 3847
Delta R.T. 0.01 min
Lab File: BP002533.D
Acq: 24 Jun 2020 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.4	29.0
277	25.9	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 24.381 ng

RT: 22.64 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampleId :

TR-05-062320

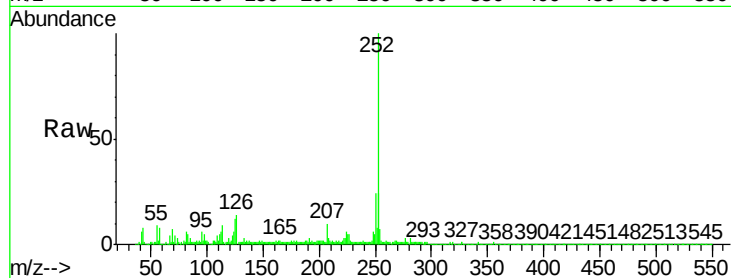
Tot Ion:252 Resp: 918843

Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

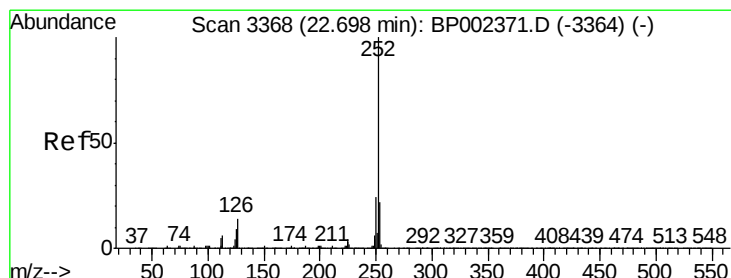
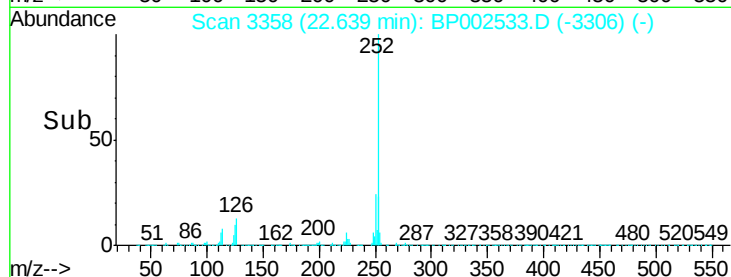
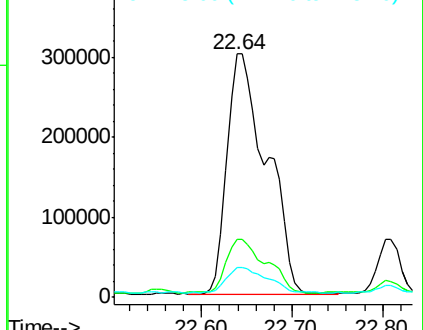
125 12.2 7.5 11.3#



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: 25.660 ng

RT: 22.64 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

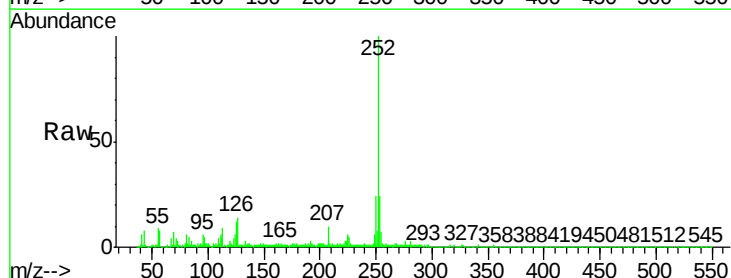
Tgt Ion:252 Resp: 918843

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

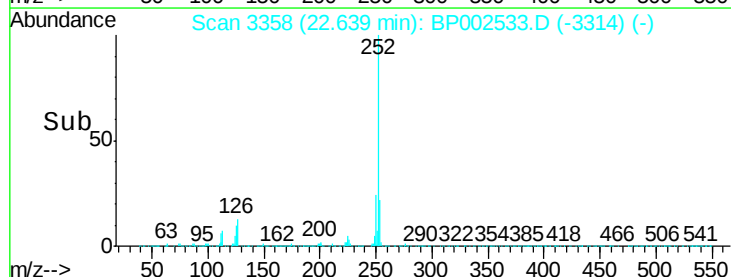
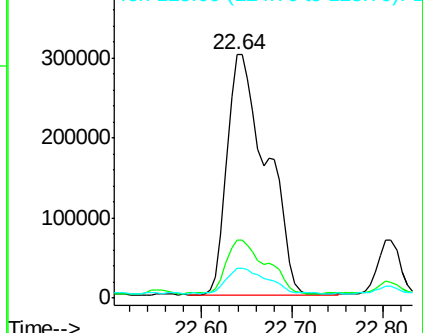
125 12.2 7.0 10.4#

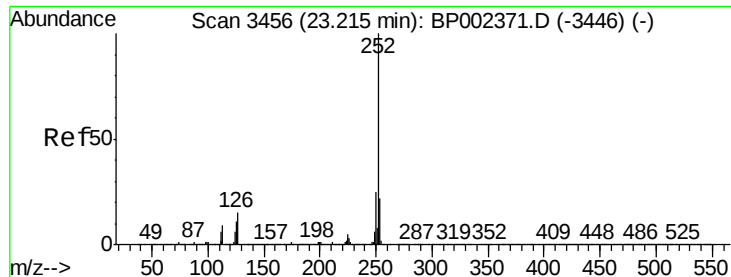


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 19.303 ng

RT: 23.20 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampleId :

TR-05-062320

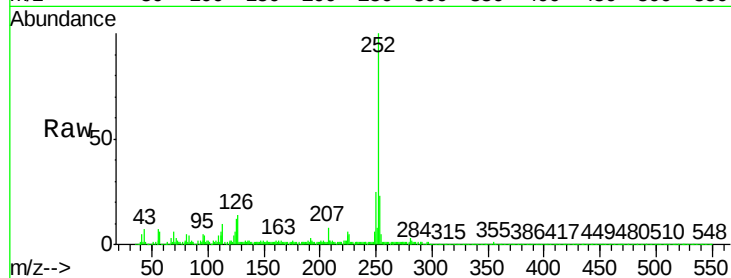
Tot Ion:252 Resp: 681732

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

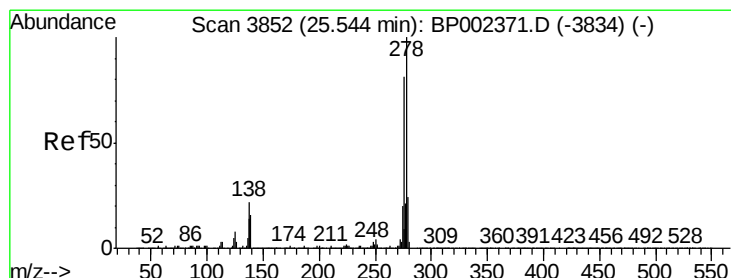
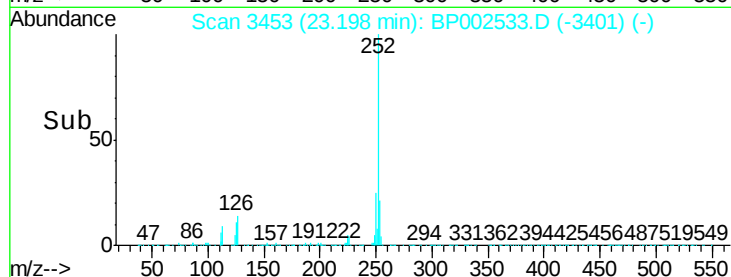
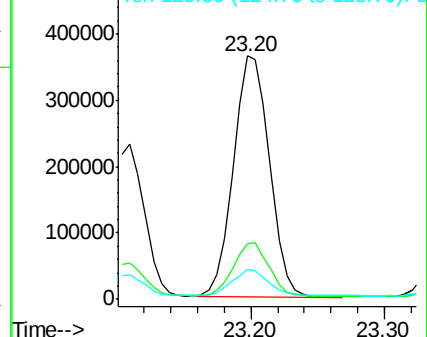
125 12.2 8.7 13.1



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



#91

Dibenzo(a,h)anthracene

Concen: 2.755 ng

RT: 25.52 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

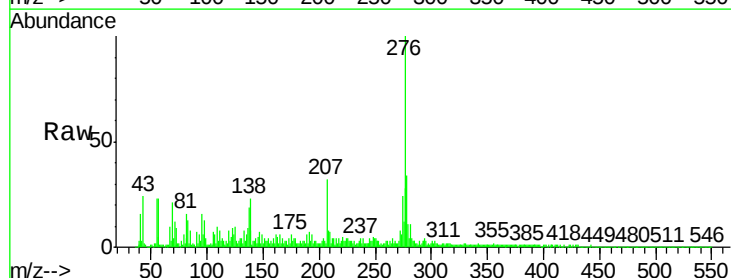
Tgt Ion:278 Resp: 96585

Ion Ratio Lower Upper

278 100

139 23.4 12.7 19.1#

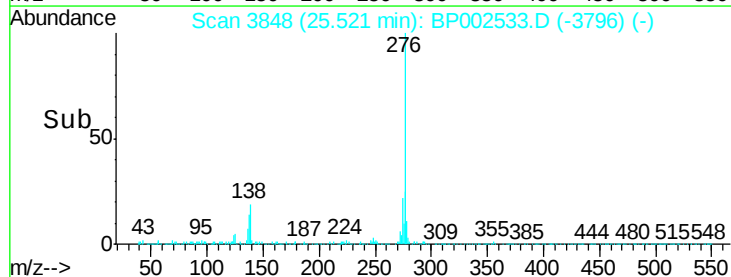
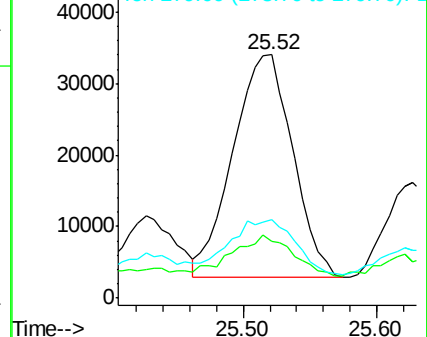
279 32.1 18.6 27.8#

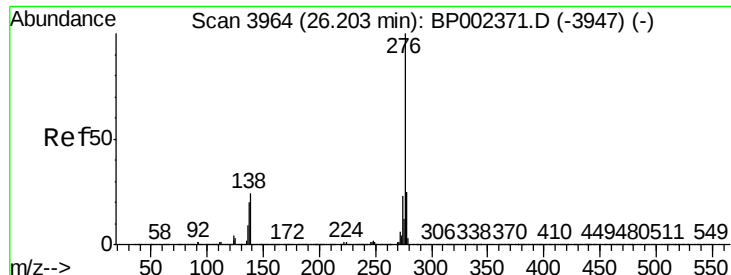


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 9.397 ng

RT: 26.19 min Scan# 3961

Delta R.T. 0.01 min

Lab File: BP002533.D

Acq: 24 Jun 2020 20:59

Instrument :

BNA_P

ClientSampleId :

TR-05-062320

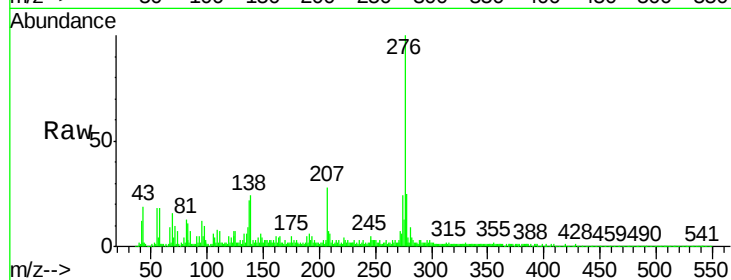
Tot Ion:276 Resp: 341260

Ion Ratio Lower Upper

276 100

277 25.0 18.7 28.1

138 23.6 17.6 26.4



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

