

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092320\
 Data File : BP003364.D
 Acq On : 23 Sep 2020 18:56
 Operator : CG/JU
 Sample : L3872-07DL 4X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092120DL

Quant Time: Sep 24 01:37:48 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 12:48:08 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

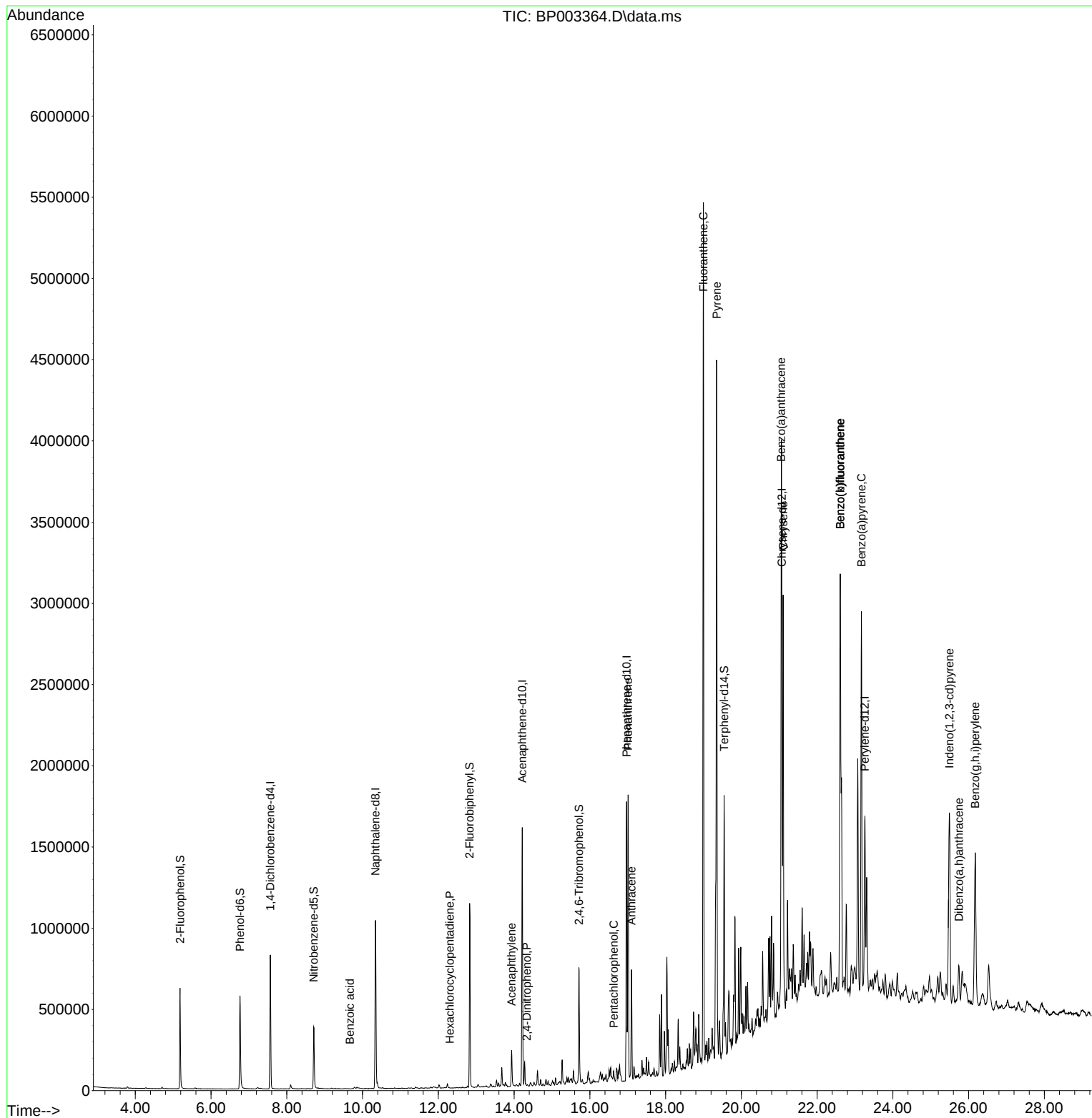
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.563	152	225735	20.00	ng	0.00
21) Naphthalene-d8	10.340	136	902678	20.00	ng	# 0.00
39) Acenaphthene-d10	14.216	164	525651	20.00	ng	0.00
64) Phenanthrene-d10	16.969	188	1006490	20.00	ng	0.00
76) Chrysene-d12	21.069	240	716770	20.00	ng	0.00
86) Perylene-d12	23.263	264	749377	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.181	112	306065	23.68	ng	0.00
7) Phenol-d6	6.763	99	395165	22.93	ng	0.00
23) Nitrobenzene-d5	8.710	82	257634	16.77	ng	-0.01
42) 2,4,6-Tribromophenol	15.716	330	135728	16.93	ng	0.00
45) 2-Fluorobiphenyl	12.828	172	601895	16.75	ng	-0.01
79) Terphenyl-d14	19.545	244	669899	19.47	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.663	122	101	9.16	ng	# 41
41) Hexachlorocyclopentadiene	12.304	237	16	6.84	ng	93
49) Acenaphthylene	13.934	152	175871	3.55	ng	99
54) 2,4-Dinitrophenol	14.334	184	51	7.26	ng	# 1
70) Pentachlorophenol	16.634	266	28	6.77	ng	# 41
71) Phenanthrene	17.010	178	1037003	18.94	ng	99
72) Anthracene	17.098	178	434944	8.06	ng	99
75) Fluoranthene	18.998	202	3104990	45.09	ng	100
78) Pyrene	19.351	202	2754982	61.63	ng	100
81) Benzo(a)anthracene	21.051	228	1597456	34.48	ng	98
83) Chrysene	21.104	228	1390773	31.24	ng	98
87) Indeno(1,2,3-cd)pyrene	25.492	276	1160806	20.44	ng	95
88) Benzo(b)fluoranthene	22.610	252	2838650	59.99	ng	99
89) Benzo(k)fluoranthene	22.610	252	2838650	62.59	ng	99
90) Benzo(a)pyrene	23.168	252	1576358	35.33	ng	97
91) Dibenzo(a,h)anthracene	25.745	278	237902	5.08	ng	95
92) Benzo(g,h,i)perylene	26.174	276	1111402	23.75	ng	98

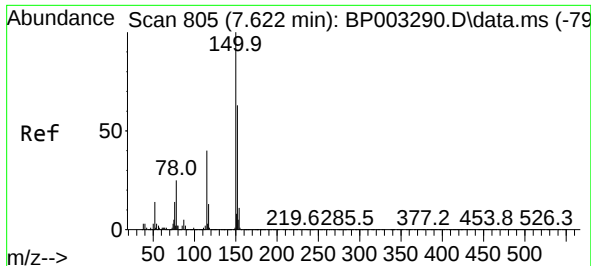
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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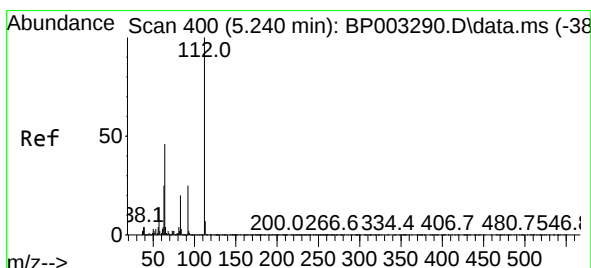
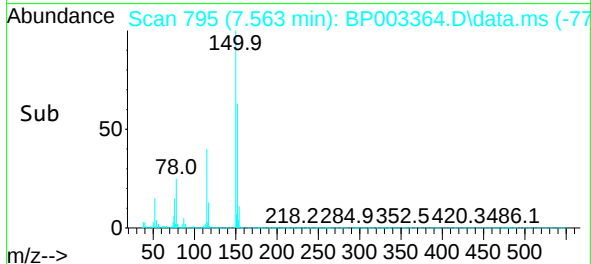
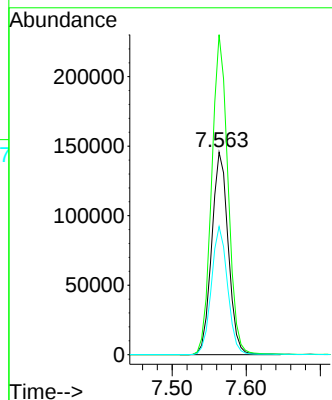
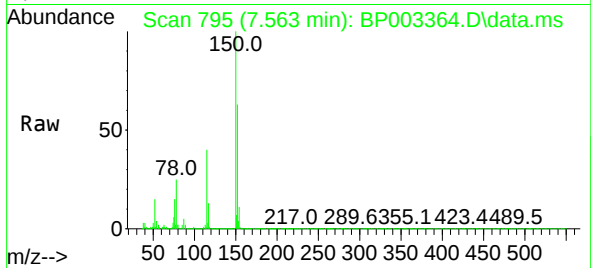




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.563 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

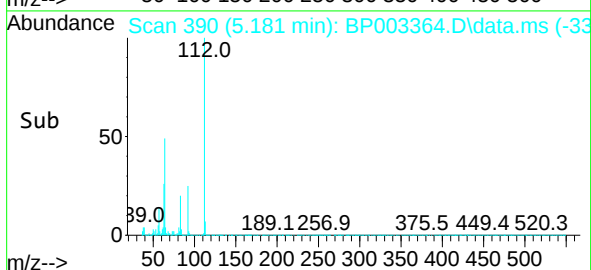
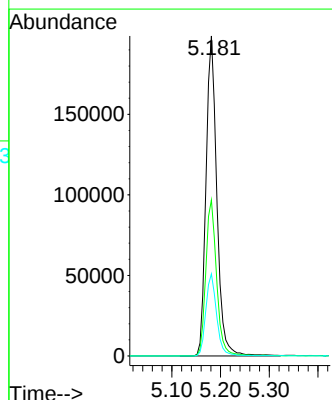
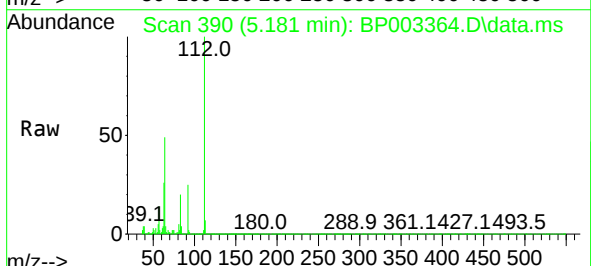
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

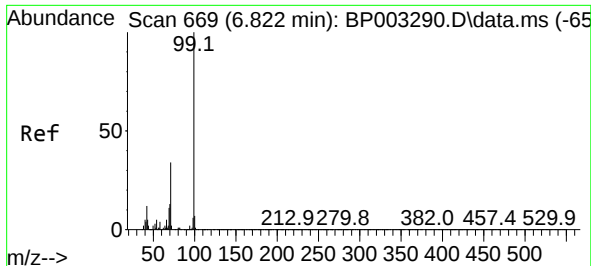
Tgt Ion:152 Resp: 225735
Ion Ratio Lower Upper
152 100
150 158.1 123.8 185.6
115 63.4 43.8 65.6



#5
2-Fluorophenol
Concen: 23.68 ng
RT: 5.181 min Scan# 390
Delta R.T. 0.000 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:112 Resp: 306065
Ion Ratio Lower Upper
112 100
64 48.7 32.8 49.2
63 25.6 17.0 25.4#

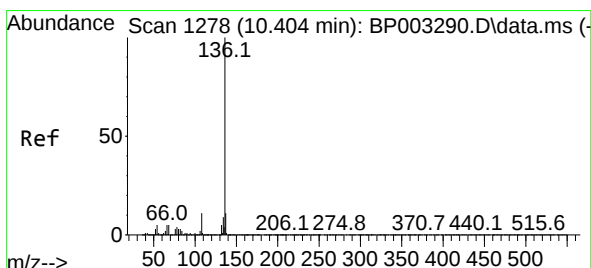
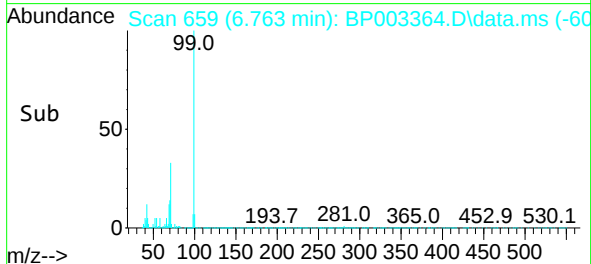
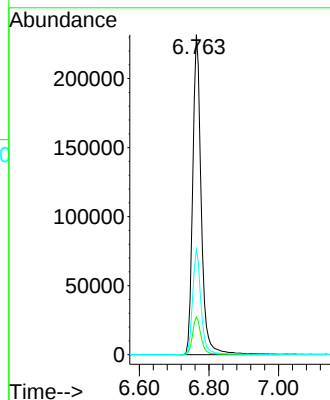
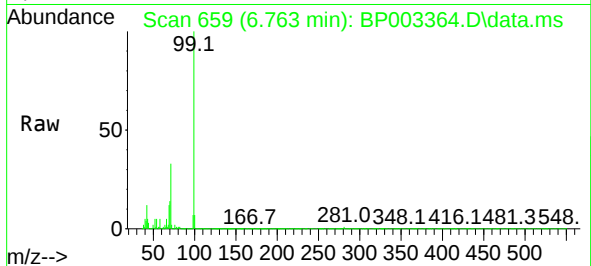




#7
Phenol-d6
Concen: 22.93 ng
RT: 6.763 min Scan# 659
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

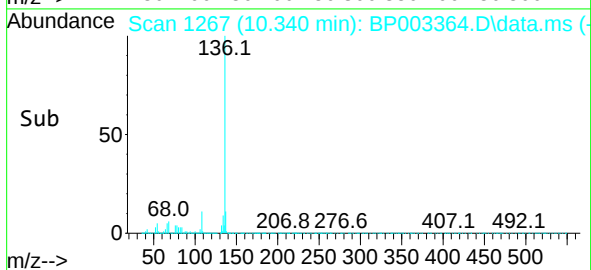
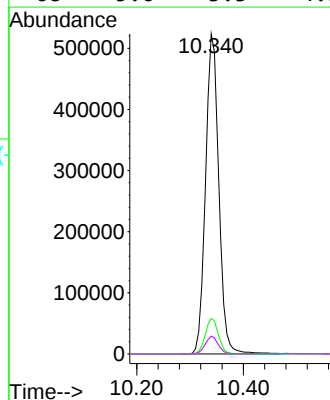
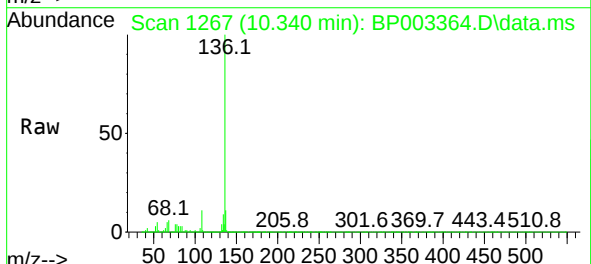
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

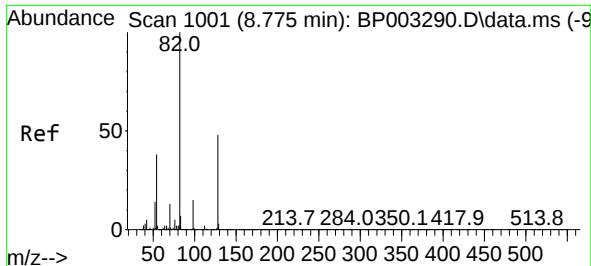
Tgt Ion: 99 Resp: 395165
Ion Ratio Lower Upper
99 100
42 11.8 8.6 13.0
71 33.0 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.340 min Scan# 1267
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion: 136 Resp: 902678
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.4 3.6 5.4#
68 5.6 3.3 4.9#

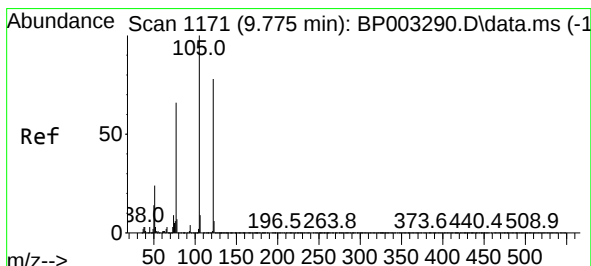
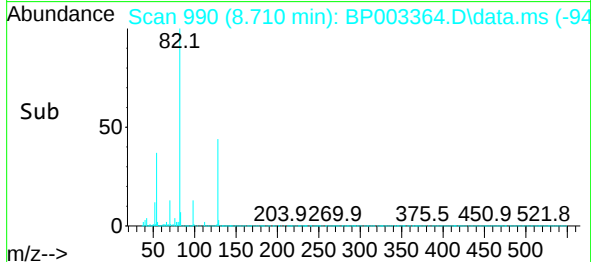
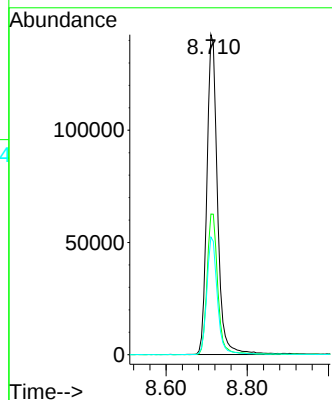
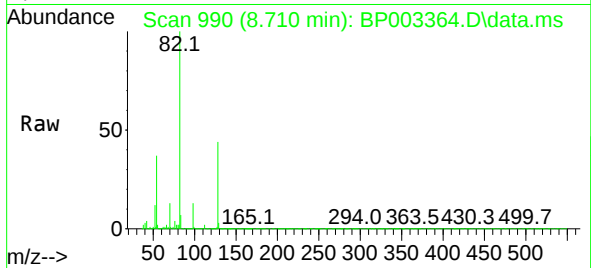




#23
Nitrobenzene-d5
Concen: 16.77 ng
RT: 8.710 min Scan# 990
Delta R.T. -0.012 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

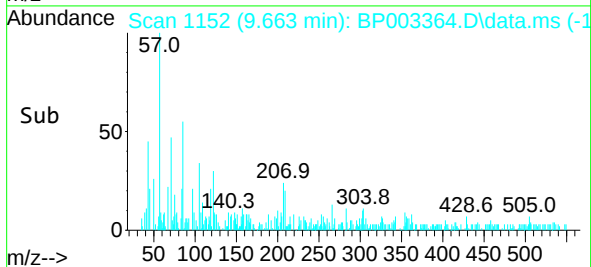
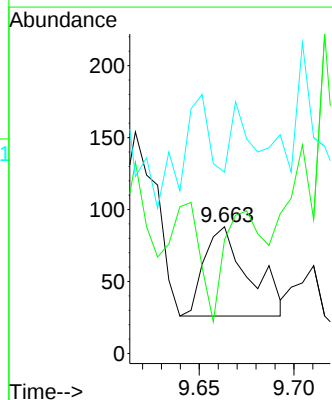
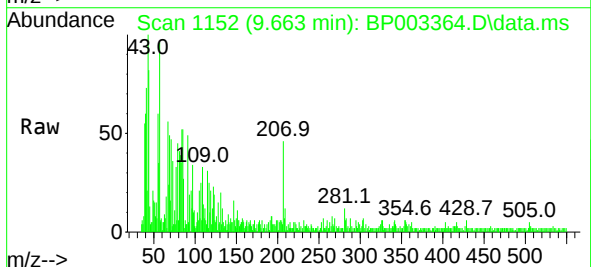
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

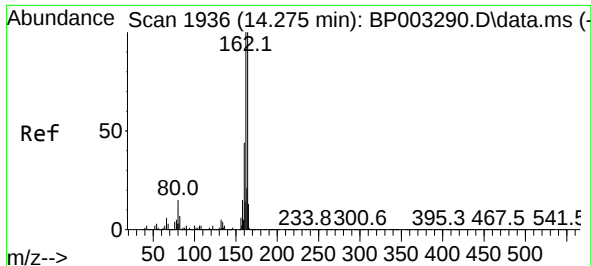
Tgt Ion: 82 Resp: 257634
Ion Ratio Lower Upper
82 100
128 43.9 45.6 68.4#
54 36.7 30.1 45.1



#32
Benzoic acid
Concen: 9.16 ng
RT: 9.663 min Scan# 1152
Delta R.T. -0.059 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion: 122 Resp: 101
Ion Ratio Lower Upper
122 100
105 89.8 94.1 134.1#
77 167.0 50.1 90.1#

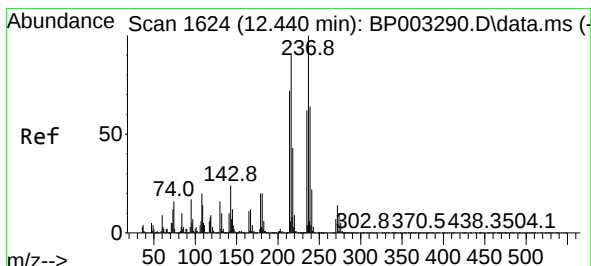
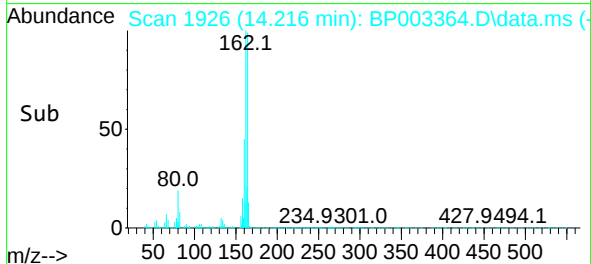
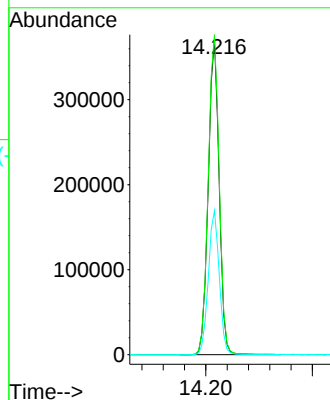
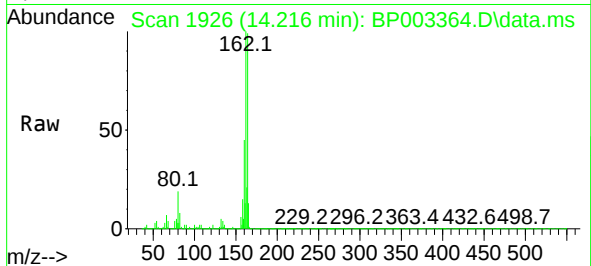




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.216 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

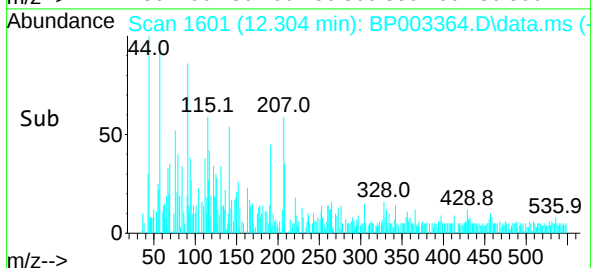
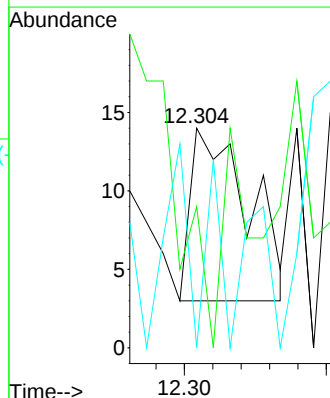
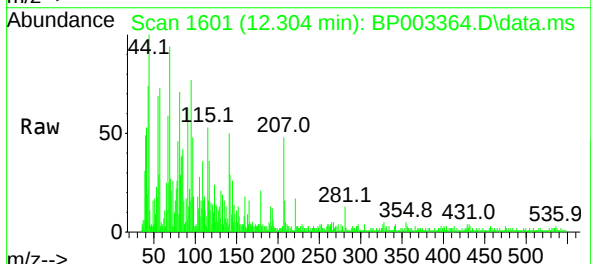
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

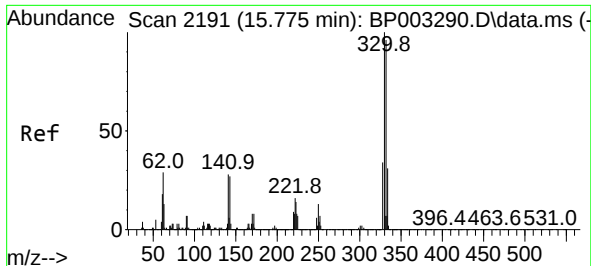
Tgt Ion:164 Resp: 525651
Ion Ratio Lower Upper
164 100
162 101.5 79.4 119.2
160 45.7 36.1 54.1



#41
Hexachlorocyclopentadiene
Concen: 6.84 ng
RT: 12.304 min Scan# 1601
Delta R.T. -0.076 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:237 Resp: 16
Ion Ratio Lower Upper
237 100
235 64.3 43.2 83.2
272 0.0 0.0 33.3

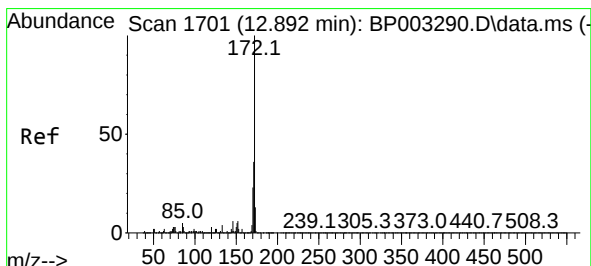
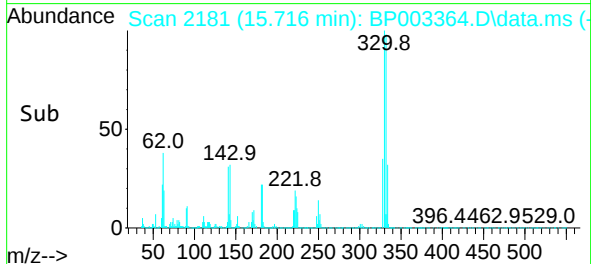
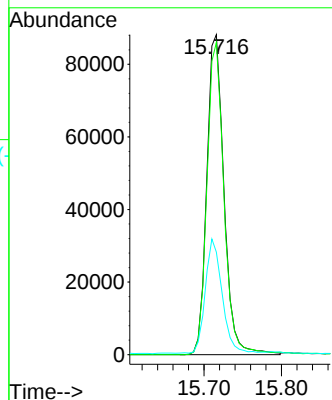
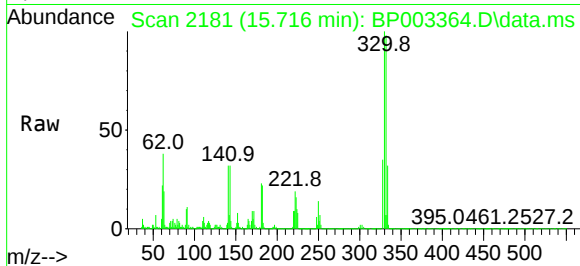




#42
2,4,6-Tribromophenol
Concen: 16.93 ng
RT: 15.716 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

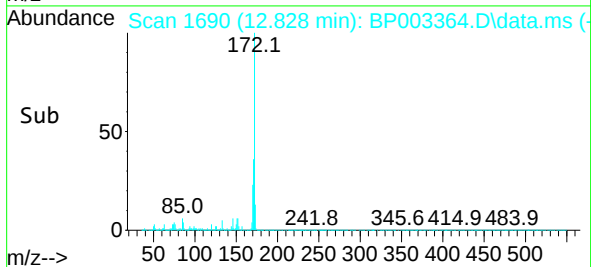
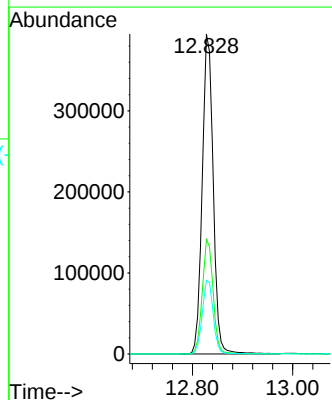
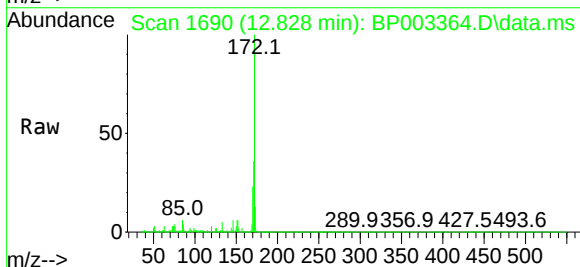
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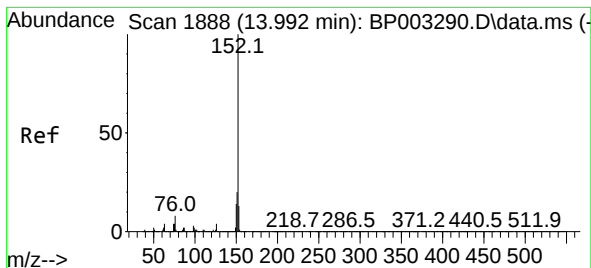
Tgt Ion:330 Resp: 135728
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 35.0 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 16.75 ng
RT: 12.828 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:172 Resp: 601895
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.0 19.2 28.8





#49

Acenaphthylene

Concen: 3.55 ng

RT: 13.934 min Scan# 1878

Delta R.T. -0.006 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

Tgt Ion:152 Resp: 175871

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

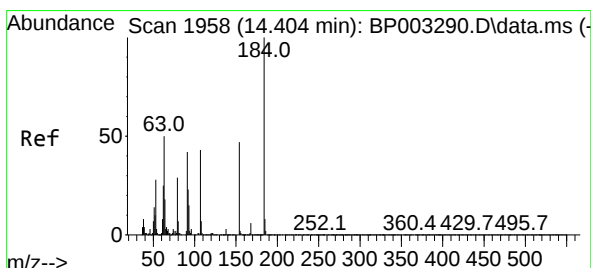
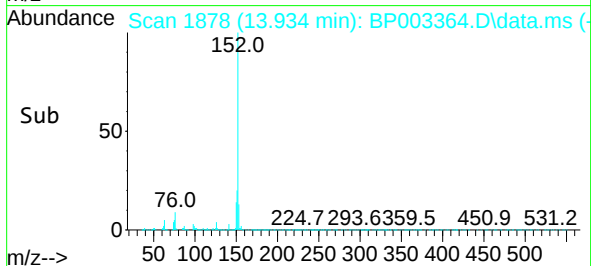
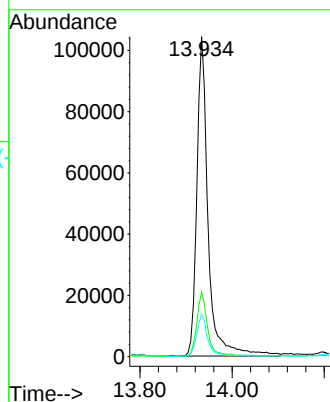
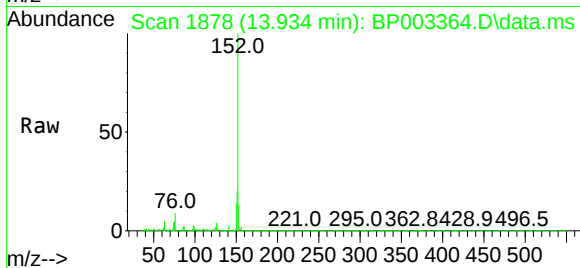
153 13.3 10.5 15.7

Instrument :

BNA_P

ClientSampleId :

BU-02-092120DL



#54

2,4-Dinitrophenol

Concen: 7.26 ng

RT: 14.334 min Scan# 1946

Delta R.T. -0.023 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

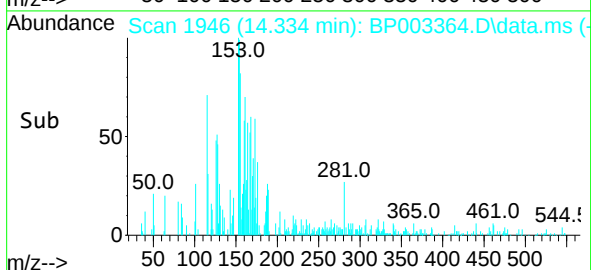
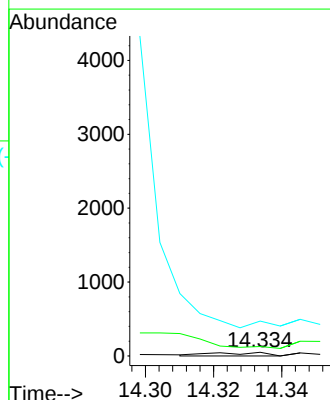
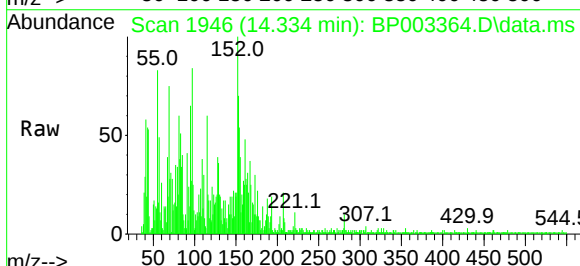
Tgt Ion:184 Resp: 51

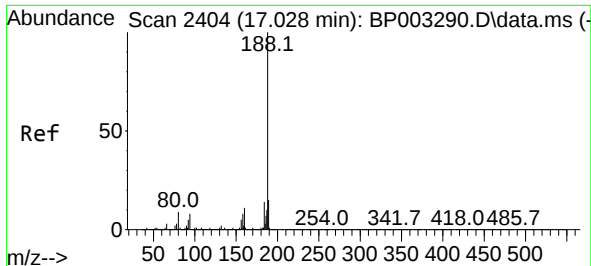
Ion Ratio Lower Upper

184 100

63 256.0 32.3 48.5#

154 946.0 49.1 73.7#

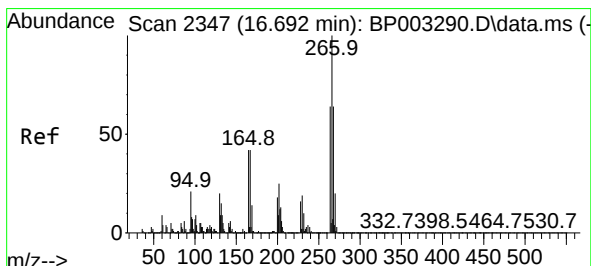
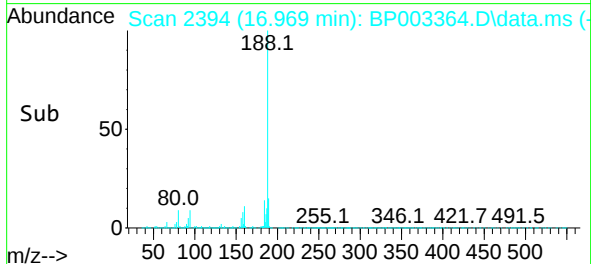
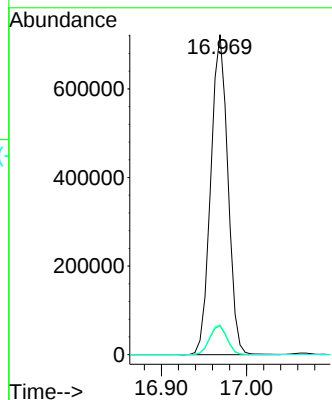
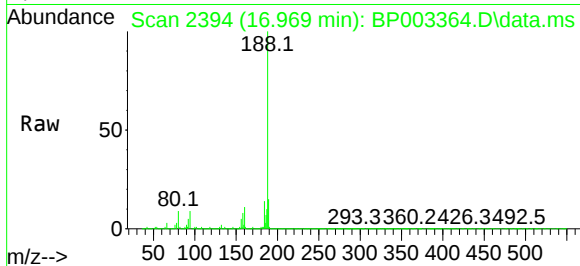




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.969 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

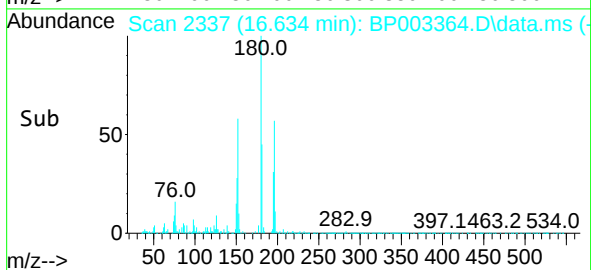
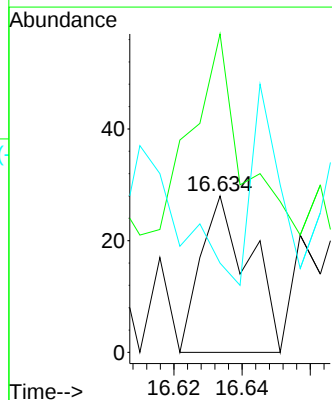
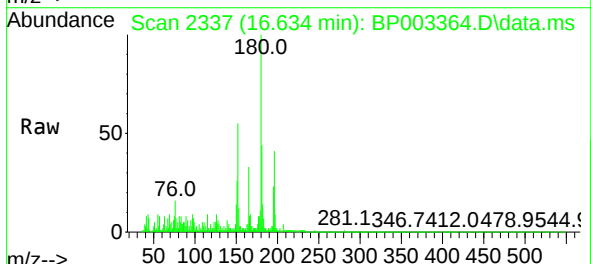
Instrument :
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BU-02-092120DL

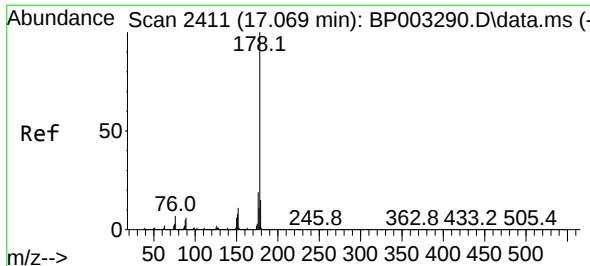
Tgt Ion:188 Resp: 1006490
Ion Ratio Lower Upper
188 100
94 9.0 6.2 9.2
80 9.2 6.2 9.2



#70
Pentachlorophenol
Concen: 6.77 ng
RT: 16.634 min Scan# 2337
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:266 Resp: 28
Ion Ratio Lower Upper
266 100
268 129.5 51.1 76.7#
264 36.4 50.6 76.0#

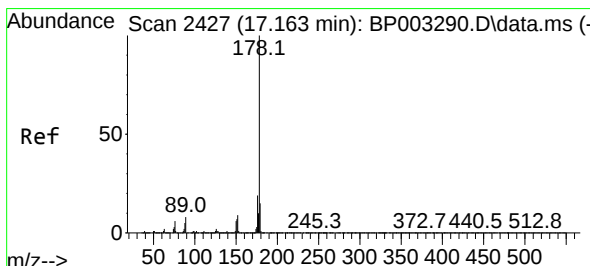
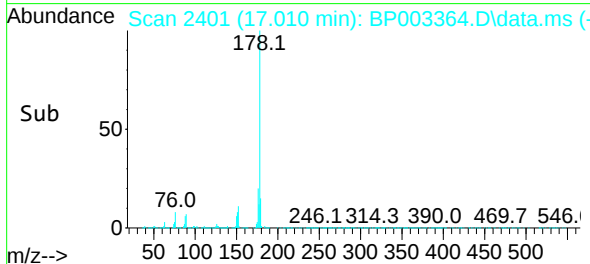
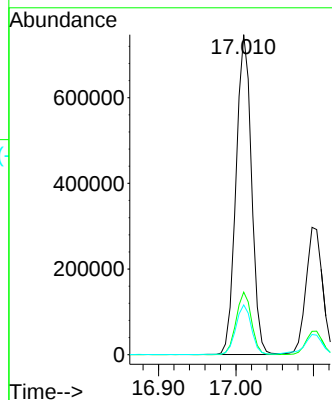
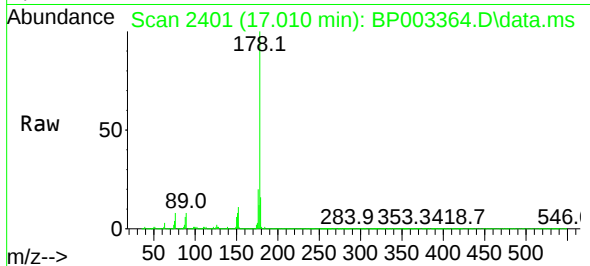




#71
Phenanthrene
Concen: 18.94 ng
RT: 17.010 min Scan# 2401
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

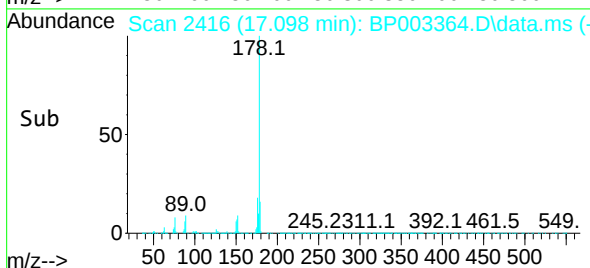
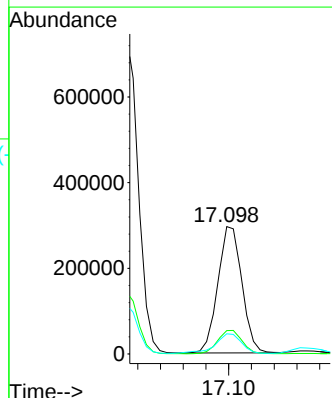
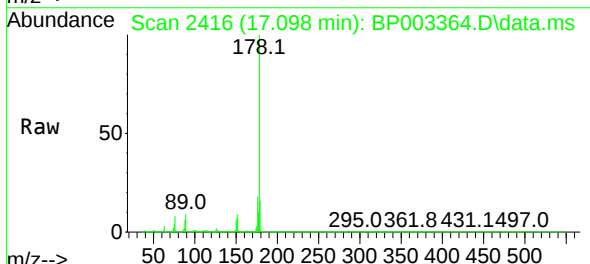
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

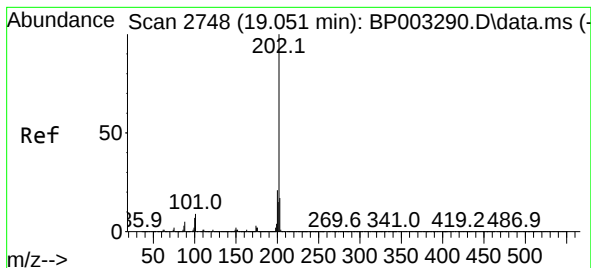
Tgt Ion:178 Resp: 1037003
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 8.06 ng
RT: 17.098 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:178 Resp: 434944
Ion Ratio Lower Upper
178 100
176 18.3 15.0 22.4
179 15.8 12.5 18.7

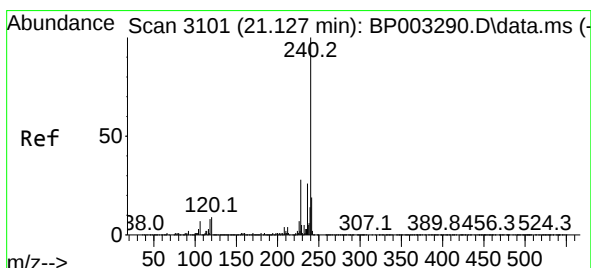
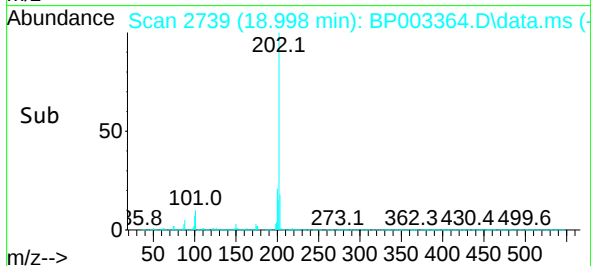
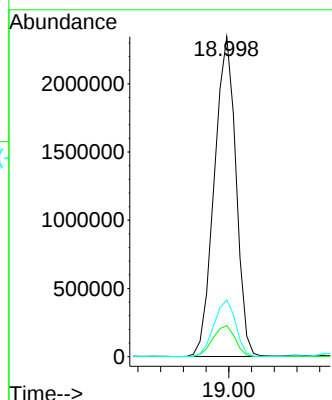
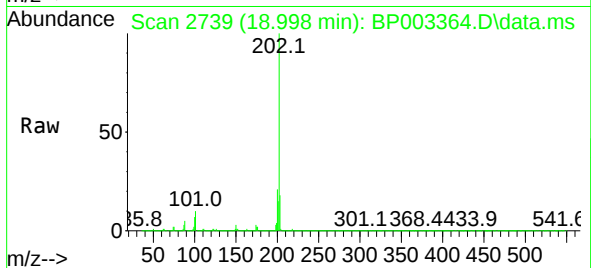




#75
Fluoranthene
Concen: 45.09 ng
RT: 18.998 min Scan# 2739
Delta R.T. 0.000 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

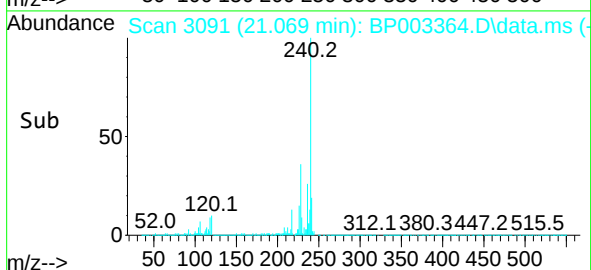
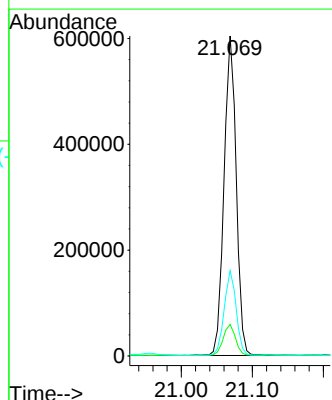
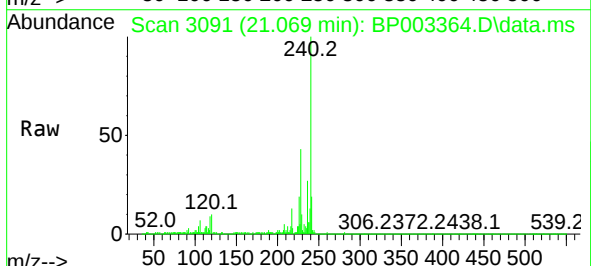
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

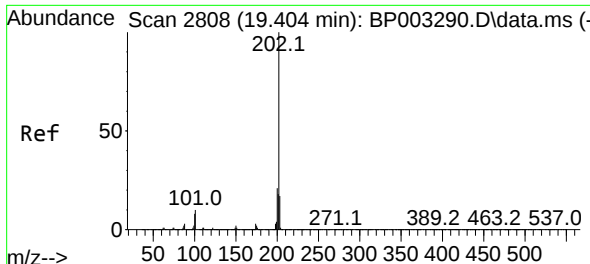
Tgt Ion:202 Resp: 3104990
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.4
203 17.7 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.069 min Scan# 3091
Delta R.T. 0.000 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:240 Resp: 716770
Ion Ratio Lower Upper
240 100
120 9.9 7.8 11.6
236 26.6 20.8 31.2

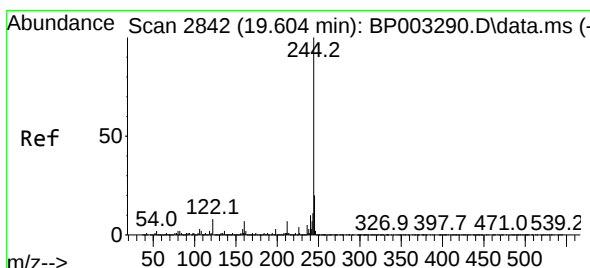
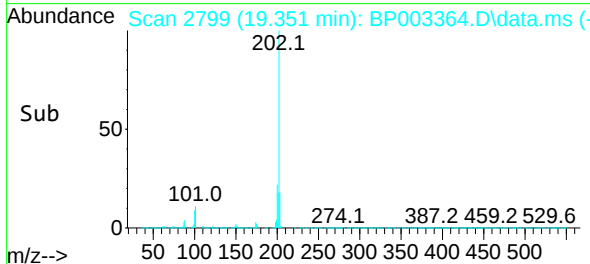
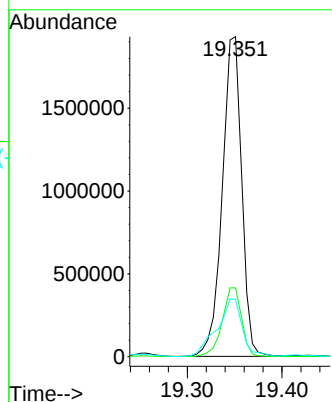
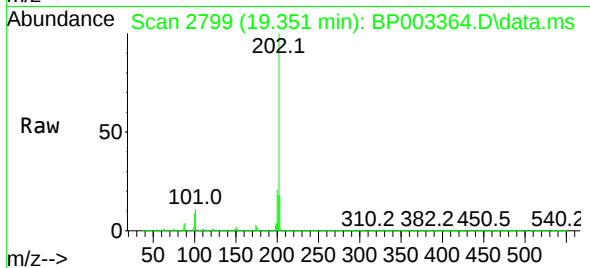




#78
Pyrene
Concen: 61.63 ng
RT: 19.351 min Scan# 2799
Delta R.T. 0.000 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

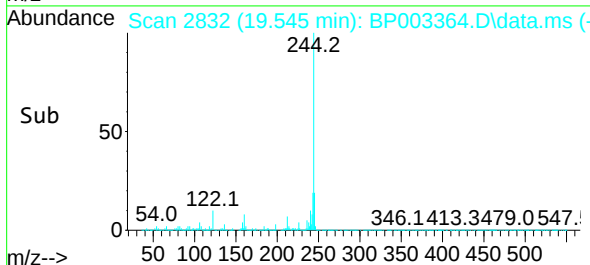
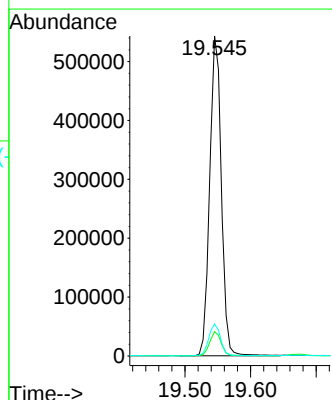
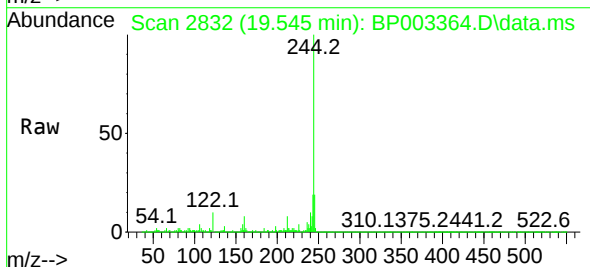
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

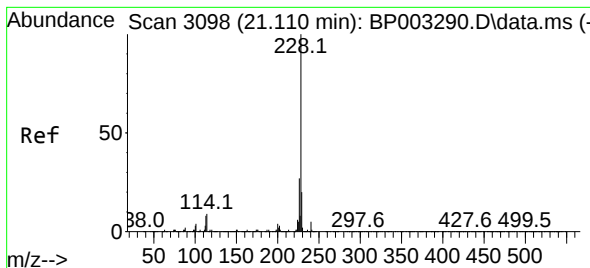
Tgt Ion:202 Resp: 2754982
Ion Ratio Lower Upper
202 100
200 21.5 17.1 25.7
203 17.9 14.2 21.2



#79
Terphenyl-d14
Concen: 19.47 ng
RT: 19.545 min Scan# 2832
Delta R.T. -0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:244 Resp: 669899
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 10.0 7.8 11.8





#81

Benzo(a)anthracene

Concen: 34.48 ng

RT: 21.051 min Scan# 3088

Delta R.T. -0.006 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

Instrument :

BNA_P

ClientSampleId :

BU-02-092120DL

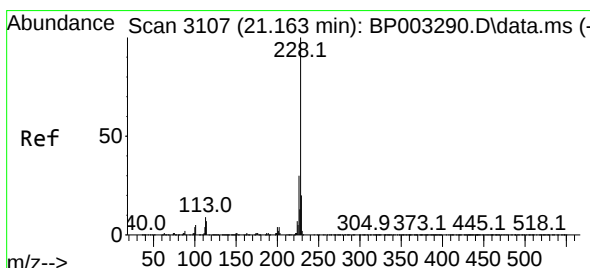
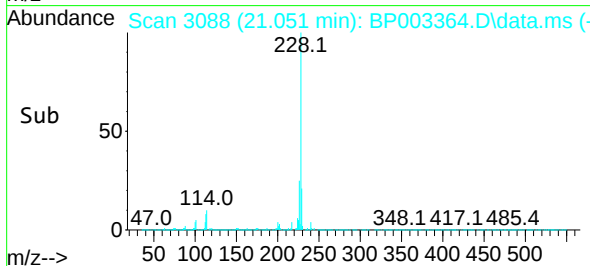
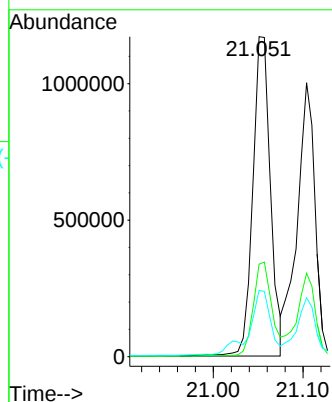
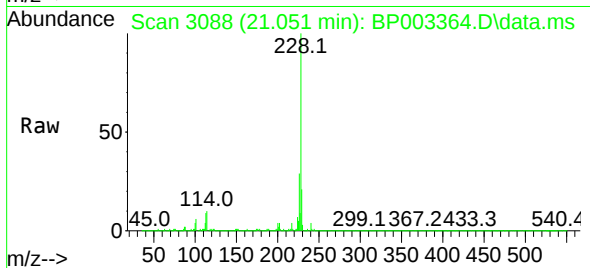
Tgt Ion:228 Resp: 1597456

Ion Ratio Lower Upper

228 100

226 28.9 22.1 33.1

229 20.7 15.9 23.9



#83

Chrysene

Concen: 31.24 ng

RT: 21.104 min Scan# 3097

Delta R.T. 0.000 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

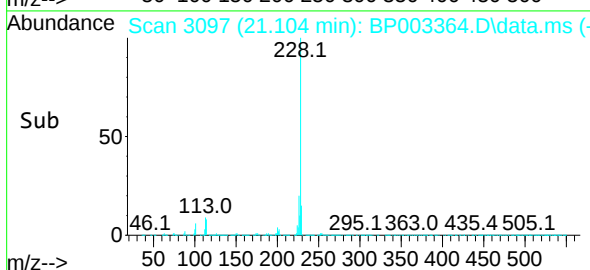
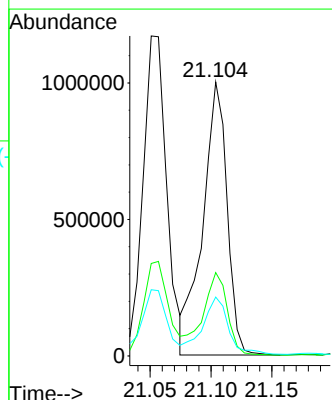
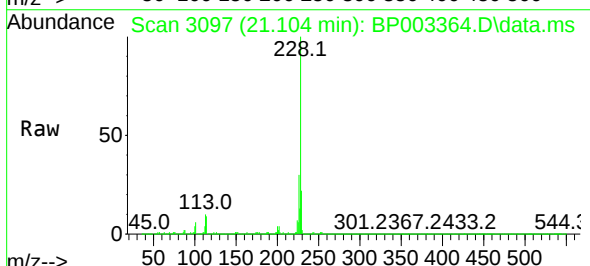
Tgt Ion:228 Resp: 1390773

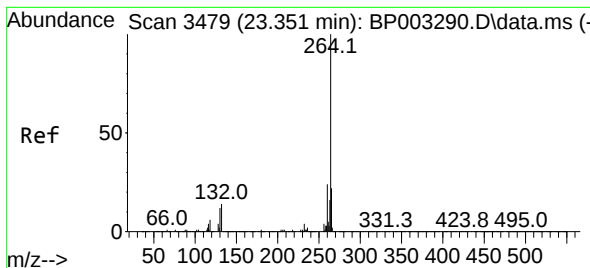
Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 21.5 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.263 min Scan# 3464

Delta R.T. 0.000 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

Instrument :

BNA_P

ClientSampleId :

BU-02-092120DL

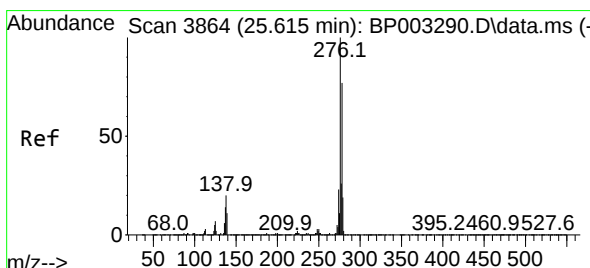
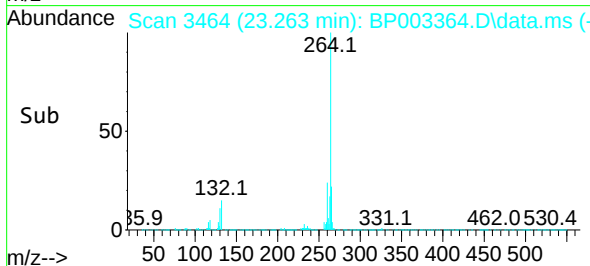
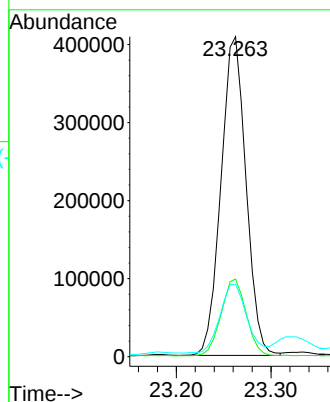
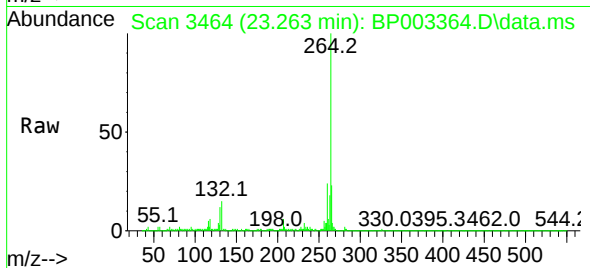
Tgt Ion:264 Resp: 749377

Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 20.44 ng

RT: 25.492 min Scan# 3843

Delta R.T. 0.000 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

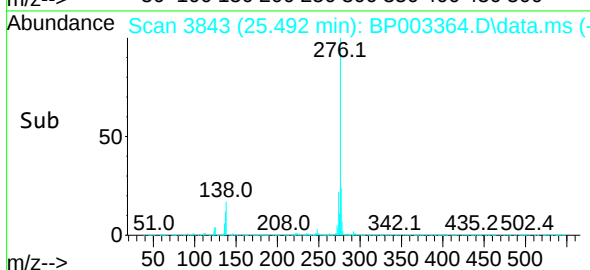
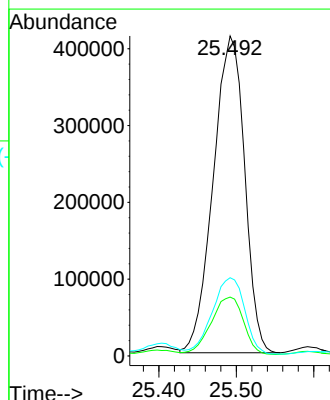
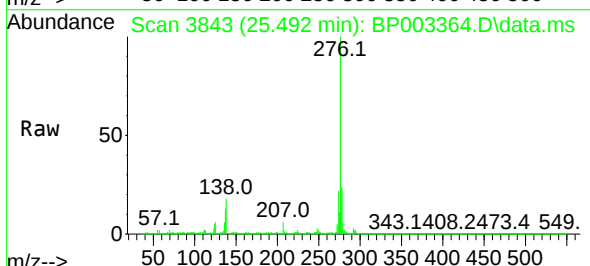
Tgt Ion:276 Resp: 1160806

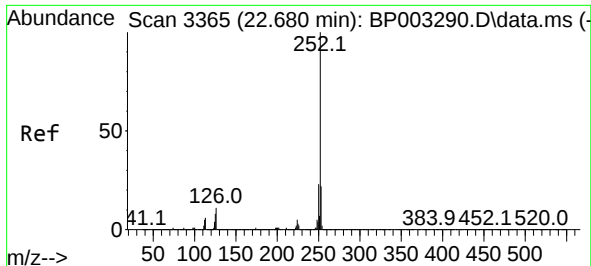
Ion Ratio Lower Upper

276 100

138 18.7 18.7 28.1

277 24.9 20.4 30.6

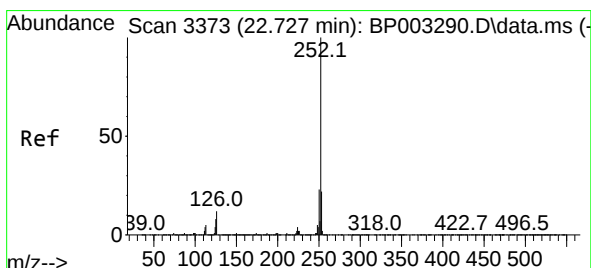
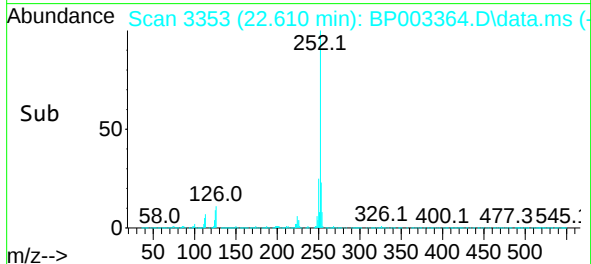
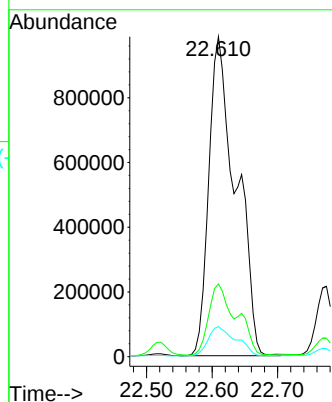
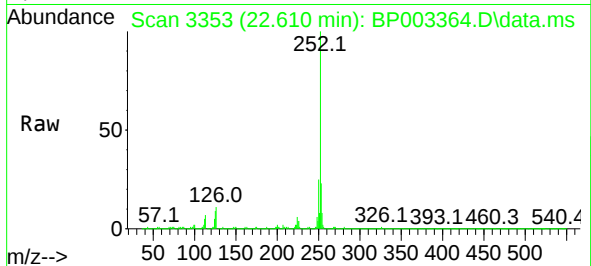




#88
Benzo(b)fluoranthene
Concen: 59.99 ng
RT: 22.610 min Scan# 3353
Delta R.T. 0.006 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

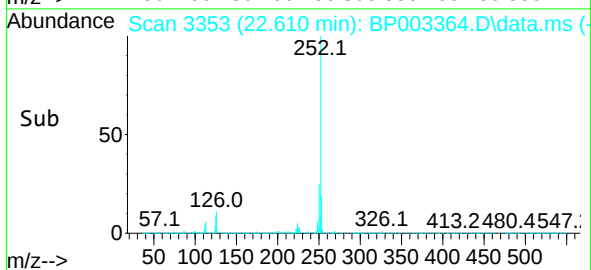
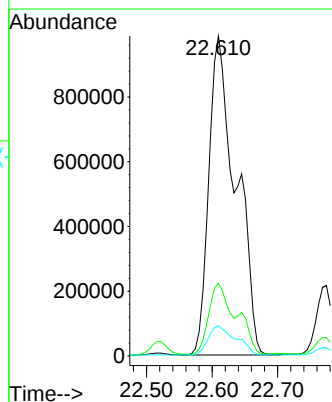
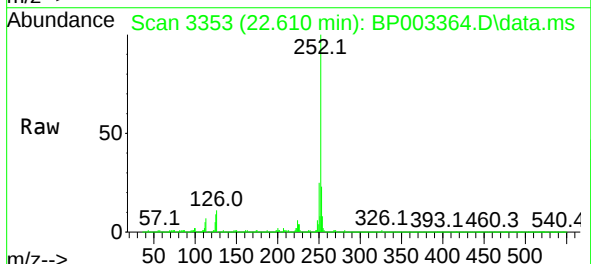
Instrument :
BNA_P
ClientSampleId :
BU-02-092120DL

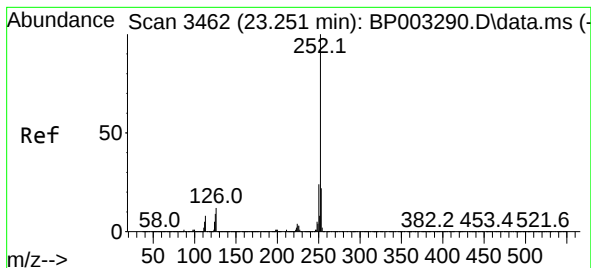
Tgt Ion:252 Resp: 2838650
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.4 7.3 10.9



#89
Benzo(k)fluoranthene
Concen: 62.59 ng
RT: 22.610 min Scan# 3353
Delta R.T. -0.041 min
Lab File: BP003364.D
Acq: 23 Sep 2020 18:56

Tgt Ion:252 Resp: 2838650
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 9.4 7.4 11.2





#90

Benzo(a)pyrene

Concen: 35.33 ng

RT: 23.168 min Scan# 3448

Delta R.T. 0.000 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

Instrument :

BNA_P

ClientSampleId :

BU-02-092120DL

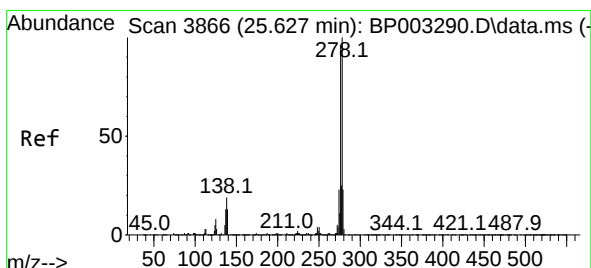
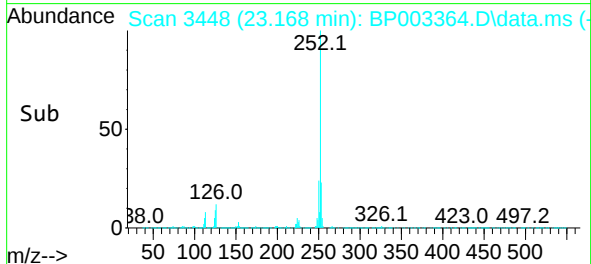
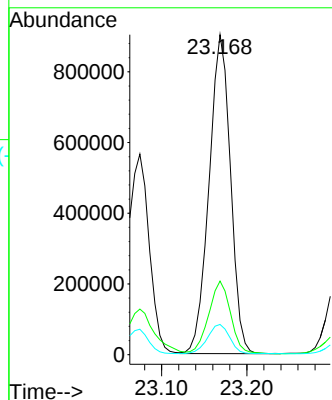
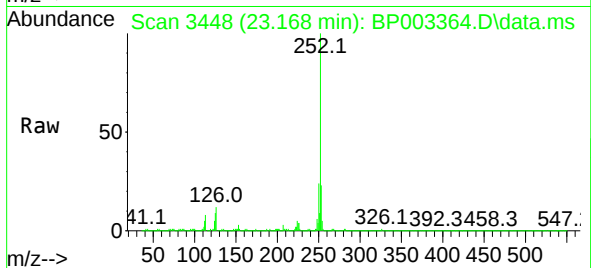
Tgt Ion:252 Resp: 1576358

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 9.5 8.2 12.4



#91

Dibenzo(a,h)anthracene

Concen: 5.08 ng

RT: 25.745 min Scan# 3886

Delta R.T. 0.247 min

Lab File: BP003364.D

Acq: 23 Sep 2020 18:56

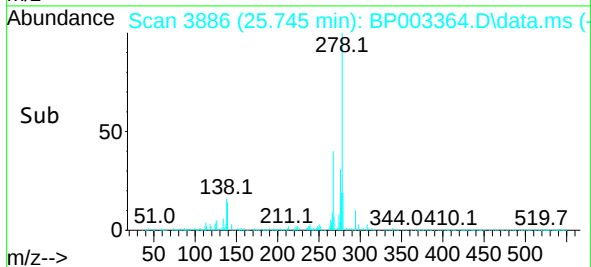
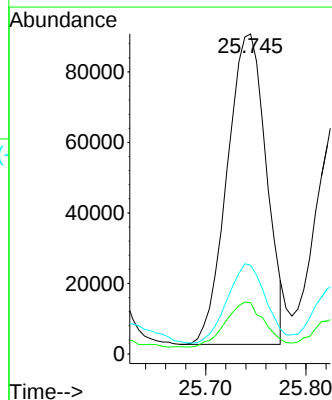
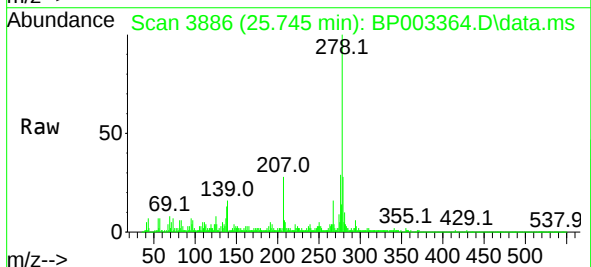
Tgt Ion:278 Resp: 237902

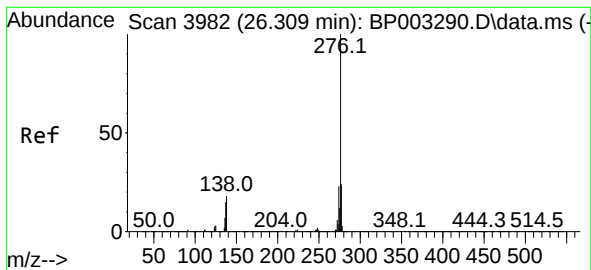
Ion Ratio Lower Upper

278 100

139 16.0 12.4 18.6

279 27.7 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 23.75 ng
 RT: 26.174 min Scan# 3959
 Delta R.T. 0.012 min
 Lab File: BP003364.D
 Acq: 23 Sep 2020 18:56

Instrument :
 BNA_P
 ClientSampleId :
 BU-02-092120DL

Tgt Ion:276 Resp: 1111402

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	18.7	16.6	24.8

