

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
 Data File : BP009352.D
 Acq On : 10 Mar 2022 19:31
 Operator : CG/JU
 Sample : N1848-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CG-B4-030722-0-2

Quant Time: Mar 11 05:03:18 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

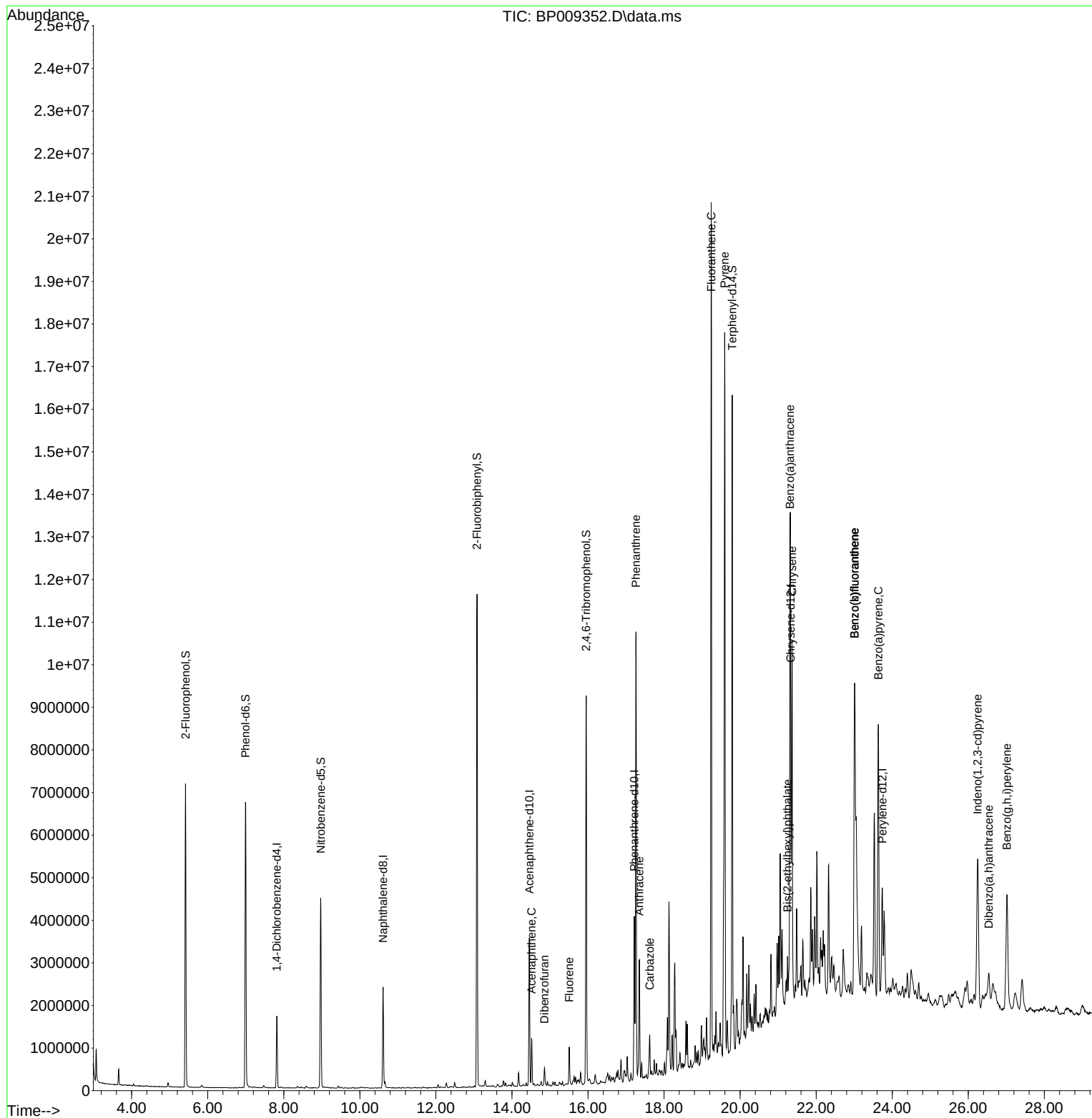
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	505322	20.000	ng	0.00
21) Naphthalene-d8	10.610	136	2084769	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	1303352	20.000	ng	0.00
64) Phenanthrene-d10	17.216	188	2512419	20.000	ng	0.00
76) Chrysene-d12	21.328	240	1780991	20.000	ng	0.00
86) Perylene-d12	23.739	264	1937340	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.417	112	3443709	99.476	ng	0.00
7) Phenol-d6	6.993	99	4407001	100.175	ng	0.00
23) Nitrobenzene-d5	8.969	82	2874890	75.953	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	2051821	130.373	ng	0.00
45) 2-Fluorobiphenyl	13.081	172	6602132	69.661	ng	0.00
79) Terphenyl-d14	19.792	244	7761245	82.238	ng	0.00
Target Compounds						
						Qvalue
52) Acenaphthene	14.516	154	436873	5.473	ng	98
55) Dibenzofuran	14.857	168	259070	2.143	ng	98
58) Fluorene	15.504	166	410719	4.338	ng	97
71) Phenanthrene	17.263	178	6997481	48.462	ng	99
72) Anthracene	17.351	178	1983848	13.804	ng	100
73) Carbazole	17.622	167	651485	4.975	ng	99
75) Fluoranthene	19.239	202	12503100	75.022	ng	97
78) Pyrene	19.592	202	11217994	93.291	ng	98
81) Benzo(a)anthracene	21.310	228	5861403	48.556	ng	98
83) Chrysene	21.363	228	5165744	44.075	ng	98
84) Bis(2-ethylhexyl)phtha...	21.245	149	379943	5.473	ng	99
87) Indeno(1,2,3-cd)pyrene	26.245	276	3803285	25.267	ng	# 93
88) Benzo(b)fluoranthene	23.010	252	9738159	74.447	ng	99
89) Benzo(k)fluoranthene	23.010	252	9741961	77.957	ng	98
90) Benzo(a)pyrene	23.633	252	5567105	44.873	ng	97
91) Dibenzo(a,h)anthracene	26.539	278	502923	3.940	ng	95
92) Benzo(g,h,i)perylene	27.015	276	3810276	30.219	ng	96

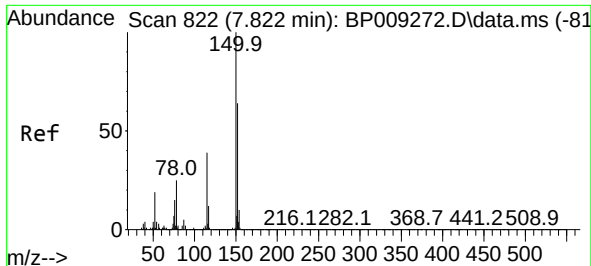
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031022\
Data File : BP009352.D
Acq On : 10 Mar 2022 19:31
Operator : CG/JU
Sample : N1848-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

Quant Time: Mar 11 05:03:18 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 01:55:59 2022
Response via : Initial Calibration

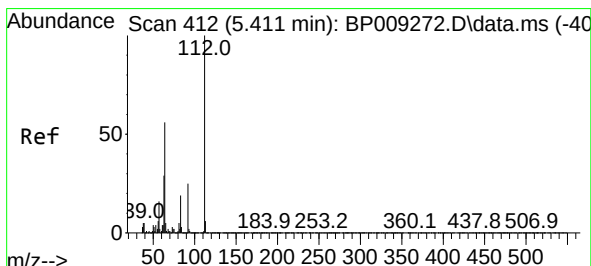
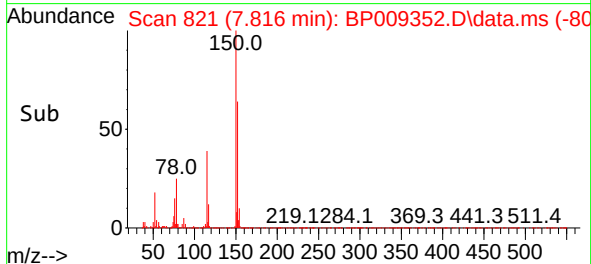
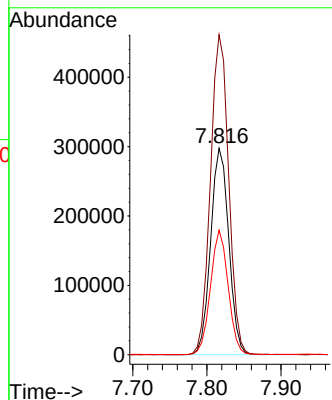
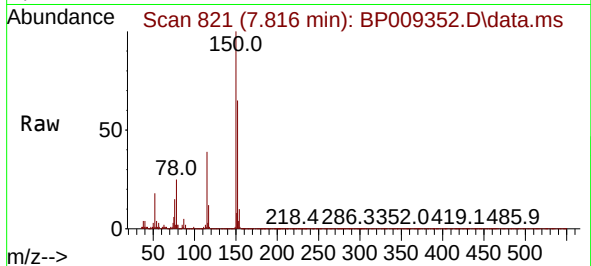




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

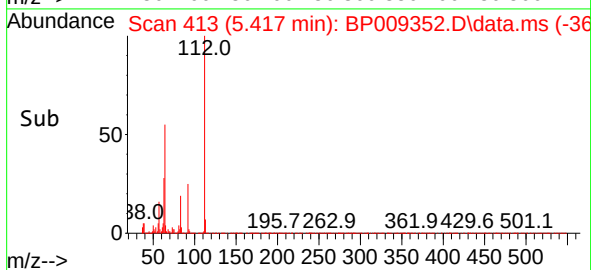
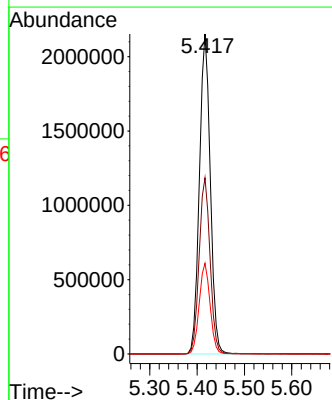
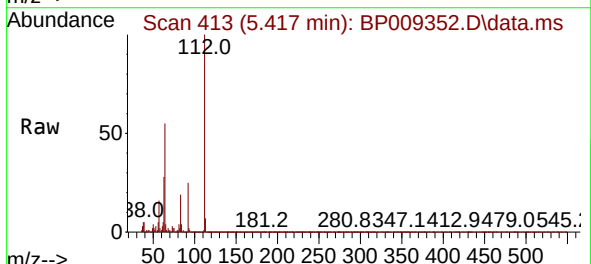
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

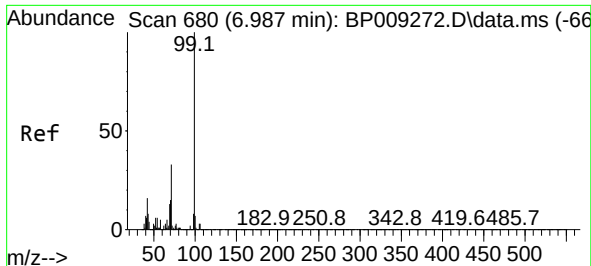
Tgt Ion:152 Resp: 505322
Ion Ratio Lower Upper
152 100
150 155.0 124.5 186.7
115 60.3 48.2 72.4



#5
2-Fluorophenol
Concen: 99.476 ng
RT: 5.417 min Scan# 413
Delta R.T. 0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion:112 Resp: 3443709
Ion Ratio Lower Upper
112 100
64 55.1 45.0 67.4
63 28.3 23.0 34.6

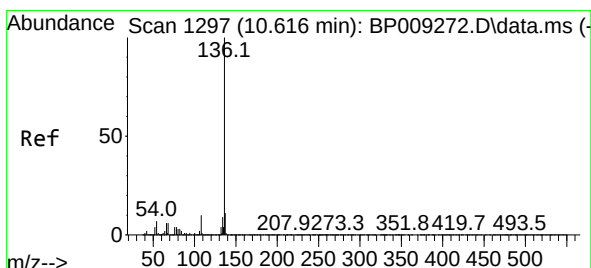
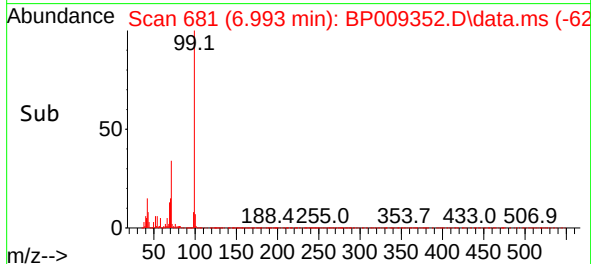
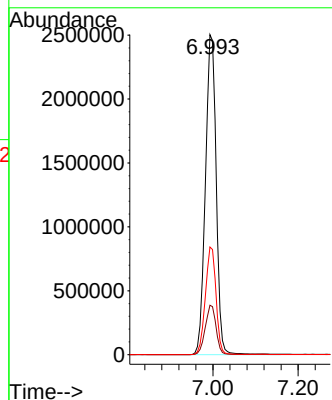
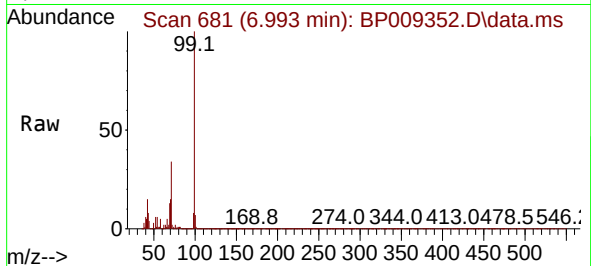




#7
Phenol-d6
Concen: 100.175 ng
RT: 6.993 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

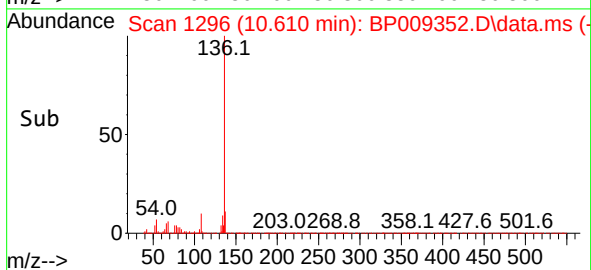
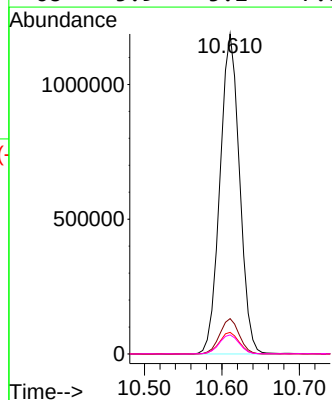
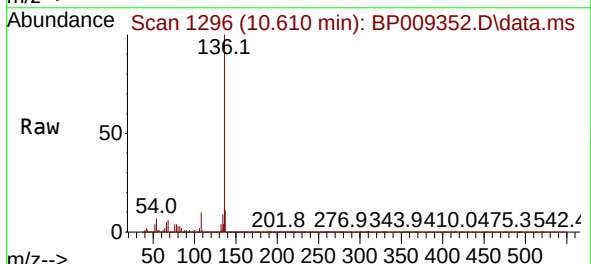
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

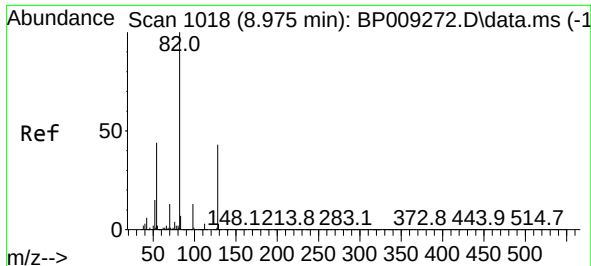
Tgt Ion: 99 Resp: 4407001
Ion Ratio Lower Upper
99 100
42 15.5 12.8 19.2
71 33.7 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion: 136 Resp: 2084769
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.8 5.8 8.8
68 5.9 5.2 7.8

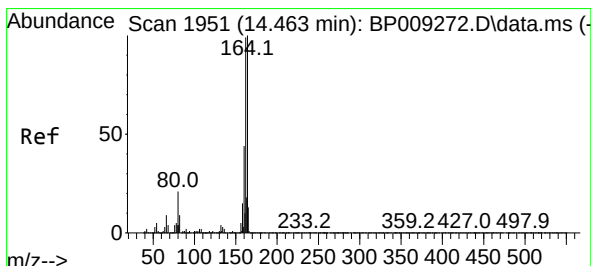
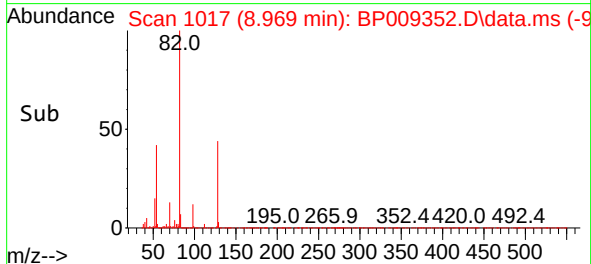
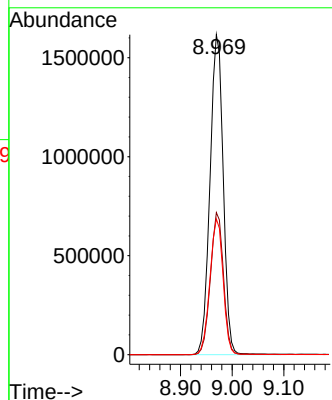
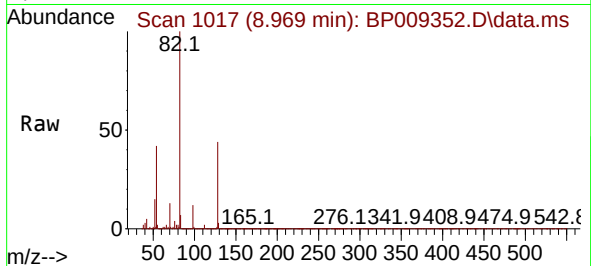




#23
Nitrobenzene-d5
Concen: 75.953 ng
RT: 8.969 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

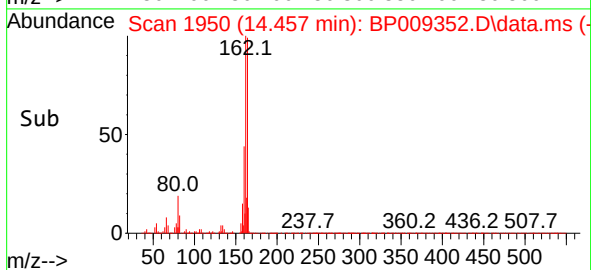
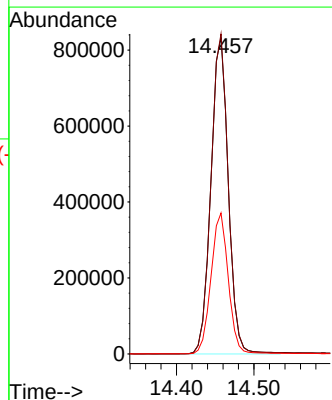
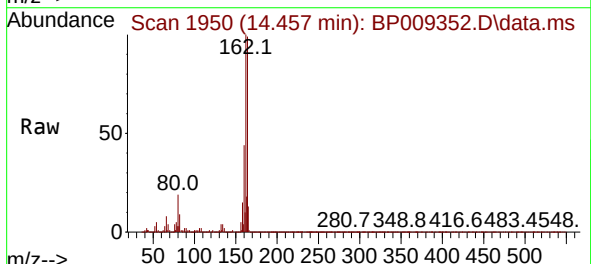
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

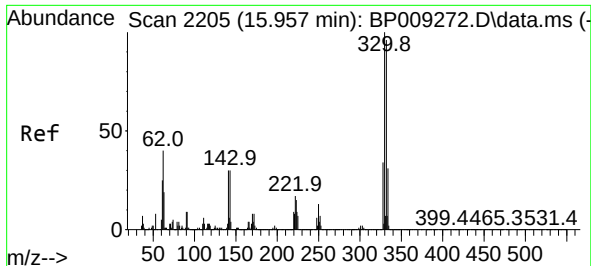
Tgt Ion: 82 Resp: 2874890
Ion Ratio Lower Upper
82 100
128 44.4 34.2 51.4
54 42.4 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion:164 Resp: 1303352
Ion Ratio Lower Upper
164 100
162 101.1 79.1 118.7
160 44.5 34.9 52.3

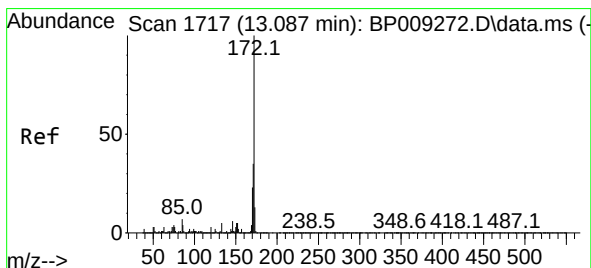
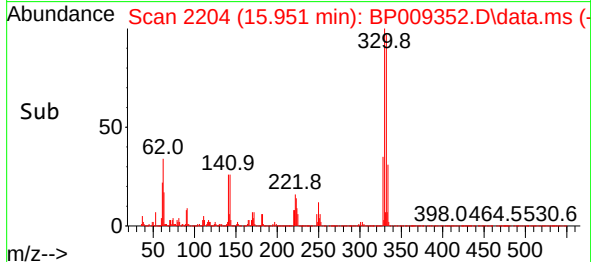
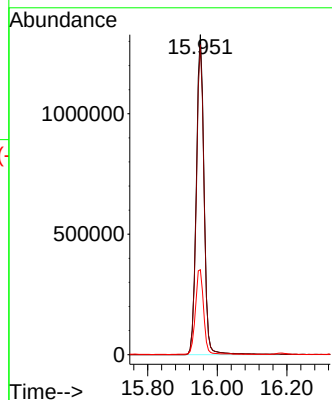
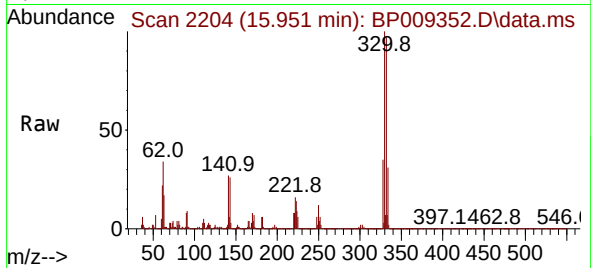




#42
2,4,6-Tribromophenol
Concen: 130.373 ng
RT: 15.951 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

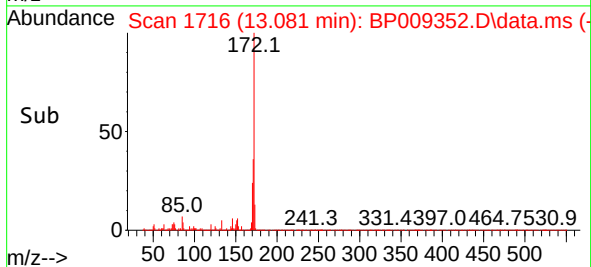
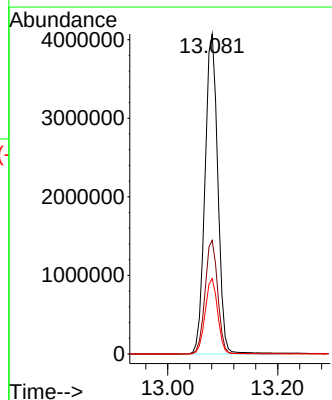
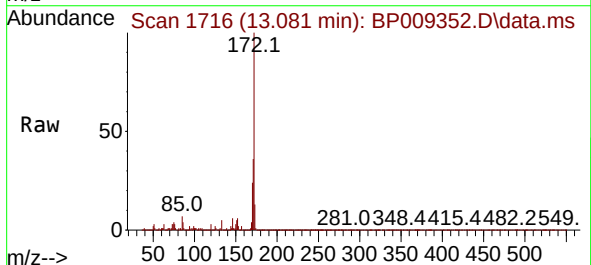
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

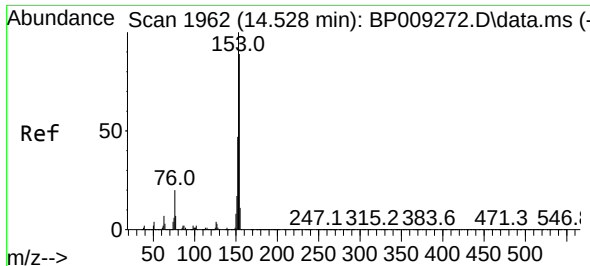
Tgt Ion: 330 Resp: 2051821
Ion Ratio Lower Upper
330 100
332 96.7 77.0 115.6
141 28.1 27.6 41.4



#45
2-Fluorobiphenyl
Concen: 69.661 ng
RT: 13.081 min Scan# 1716
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion: 172 Resp: 6602132
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.6 18.6 27.8

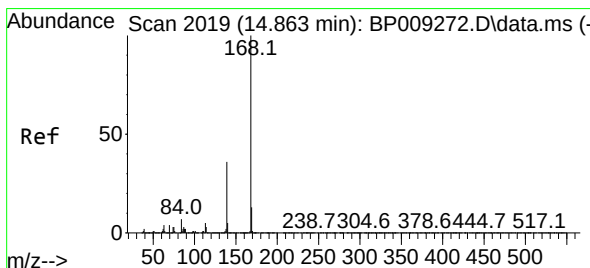
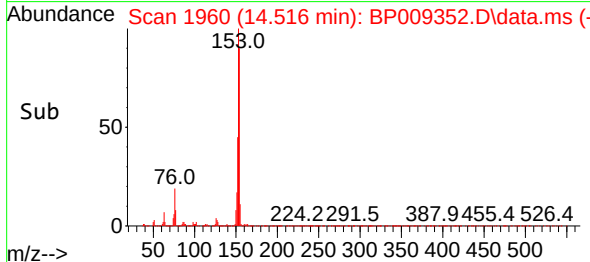
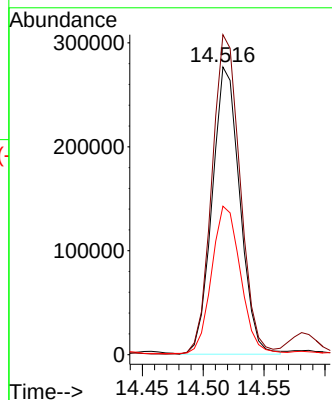
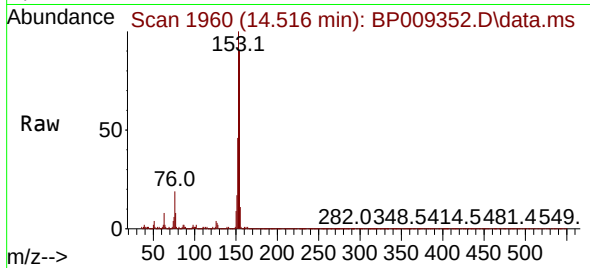




#52
Acenaphthene
Concen: 5.473 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.012 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

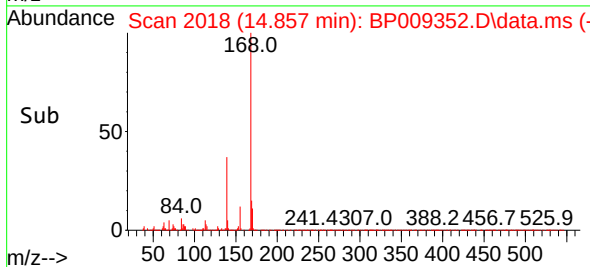
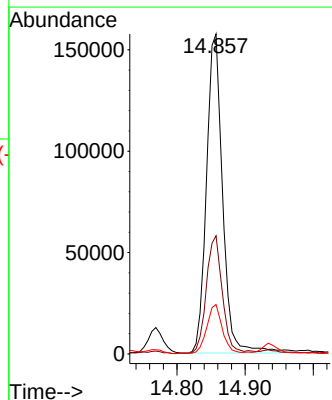
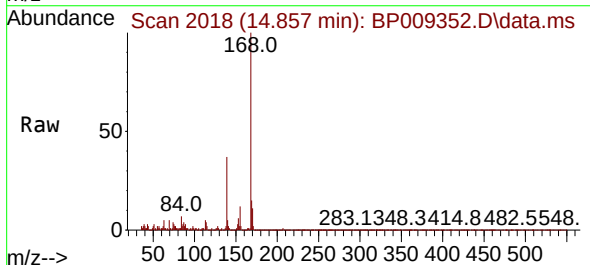
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

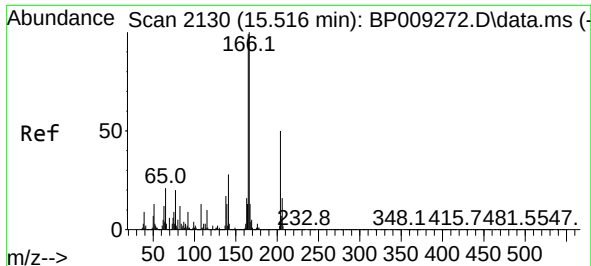
Tgt Ion:154 Resp: 436873
Ion Ratio Lower Upper
154 100
153 111.2 90.2 135.4
152 51.6 42.7 64.1



#55
Dibenzofuran
Concen: 2.143 ng
RT: 14.857 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion:168 Resp: 259070
Ion Ratio Lower Upper
168 100
139 36.9 29.1 43.7
169 15.5 10.6 16.0

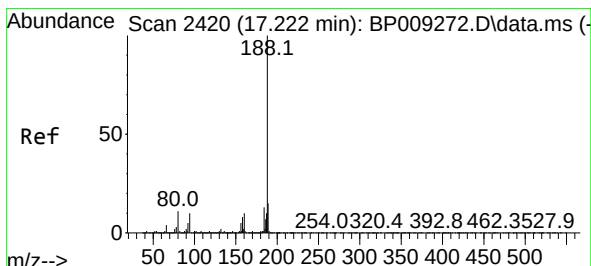
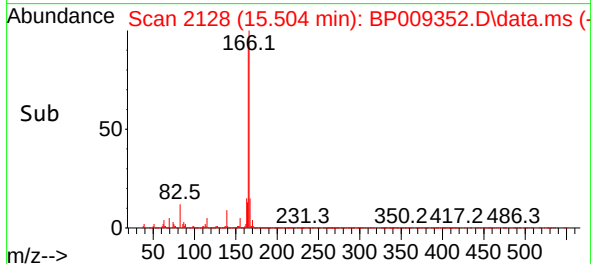
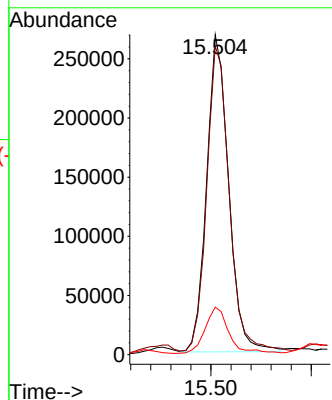
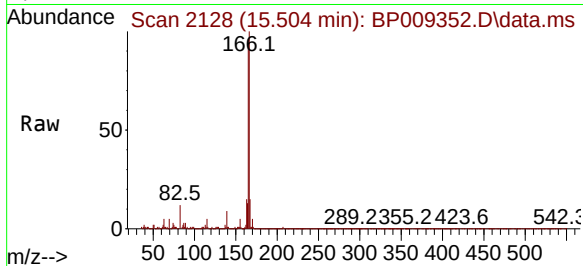




#58
Fluorene
Concen: 4.338 ng
RT: 15.504 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

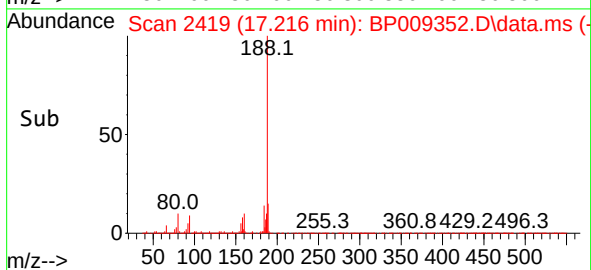
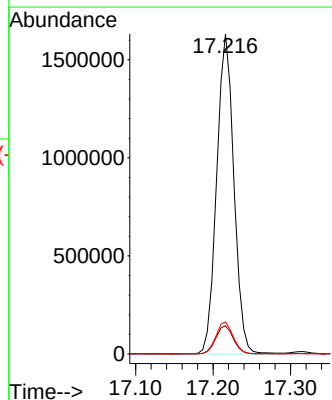
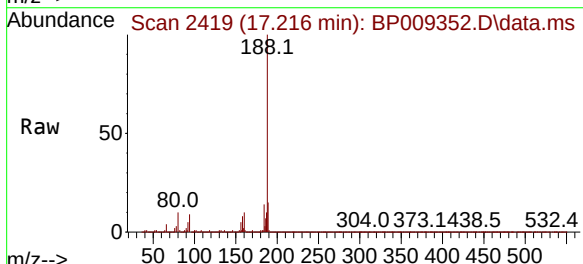
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

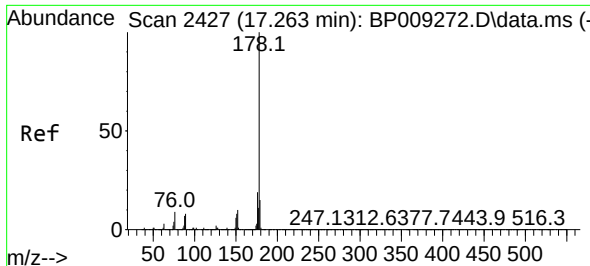
Tgt Ion:166 Resp: 410719
Ion Ratio Lower Upper
166 100
165 96.4 79.2 118.8
167 14.9 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion:188 Resp: 2512419
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 10.0 8.8 13.2

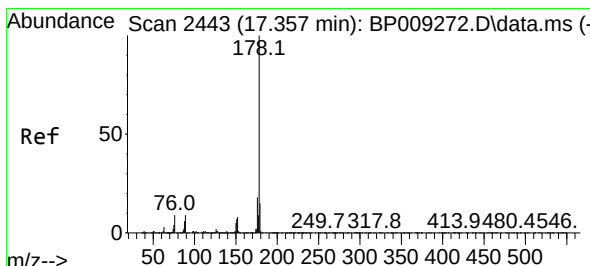
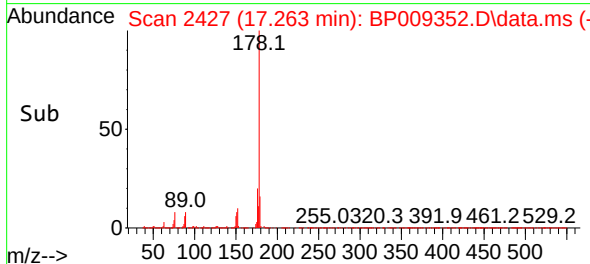
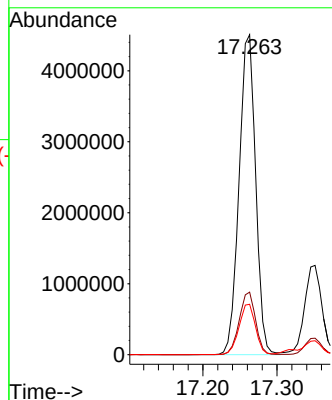
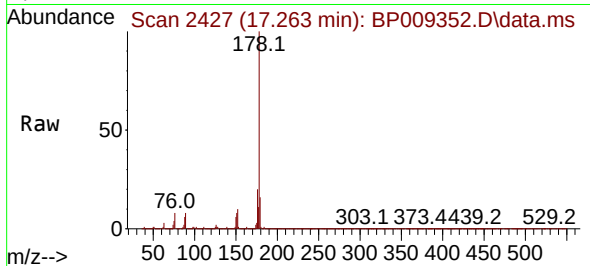




#71
Phenanthrene
Concen: 48.462 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

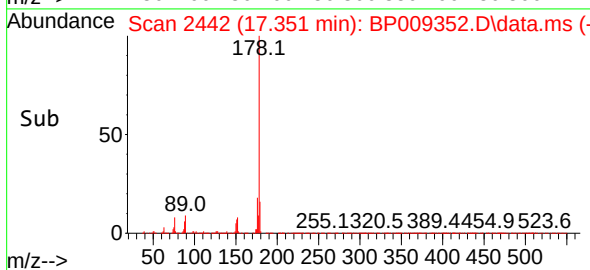
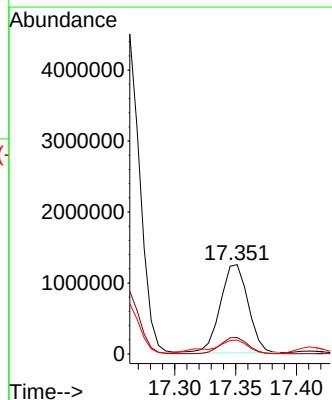
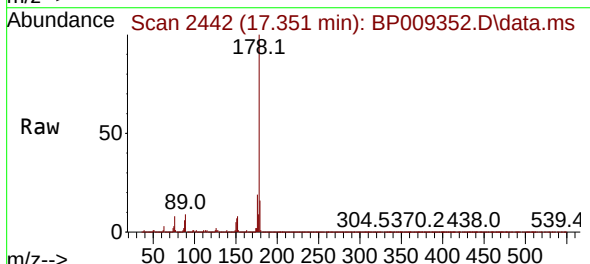
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

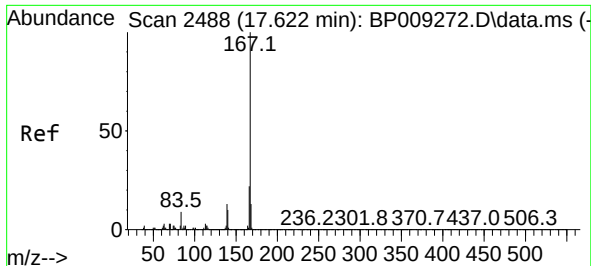
Tgt Ion:178 Resp: 6997481
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.8 12.3 18.5



#72
Anthracene
Concen: 13.804 ng
RT: 17.351 min Scan# 2442
Delta R.T. -0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion:178 Resp: 1983848
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.7 12.2 18.4

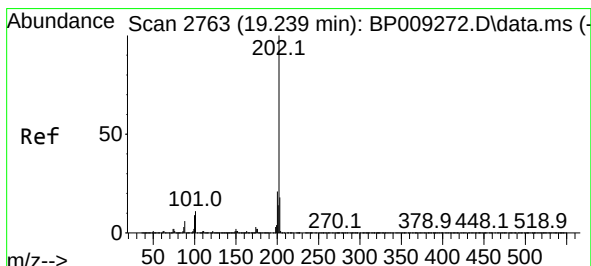
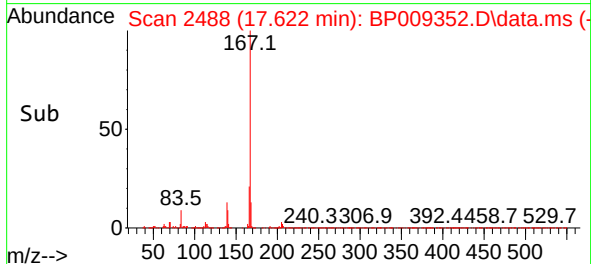
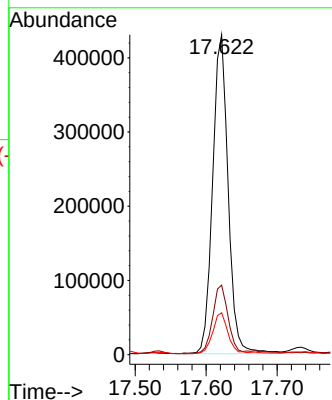
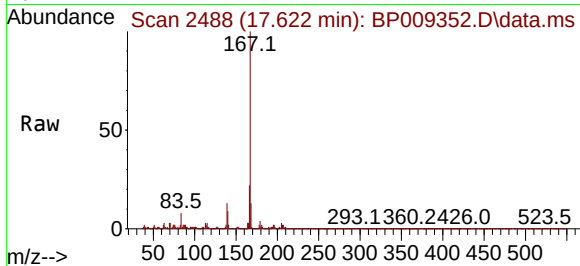




#73
 Carbazole
 Concen: 4.975 ng
 RT: 17.622 min Scan# 2488
 Delta R.T. 0.000 min
 Lab File: BP009352.D
 Acq: 10 Mar 2022 19:31

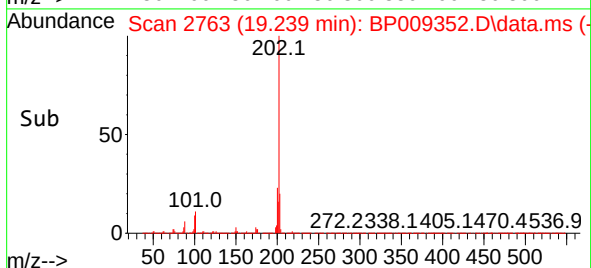
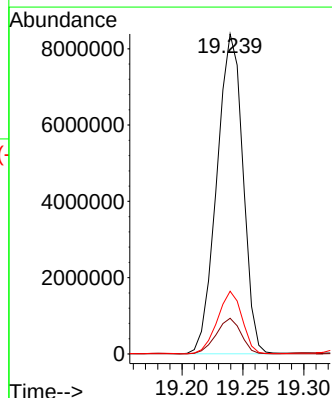
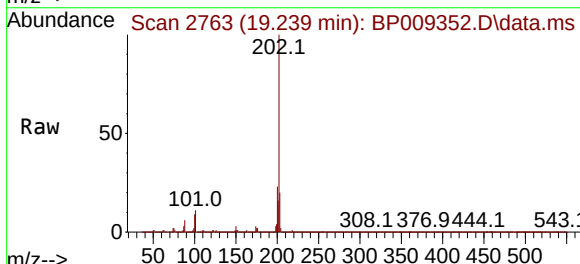
Instrument :
 BNA_P
 ClientSampleId :
 CG-B4-030722-0-2

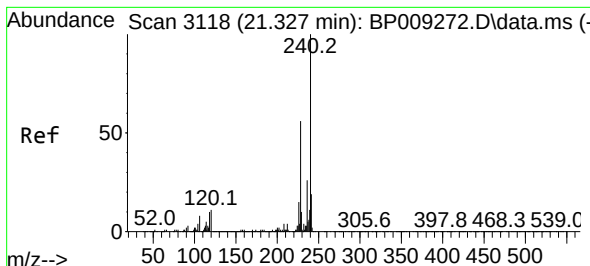
Tgt Ion:167 Resp: 651485
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.2 25.8
 139 13.1 10.3 15.5



#75
 Fluoranthene
 Concen: 75.022 ng
 RT: 19.239 min Scan# 2763
 Delta R.T. 0.000 min
 Lab File: BP009352.D
 Acq: 10 Mar 2022 19:31

Tgt Ion:202 Resp:12503100
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 31.5
 203 19.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.328 min Scan# 3118

Delta R.T. 0.000 min

Lab File: BP009352.D

Acq: 10 Mar 2022 19:31

Instrument :

BNA_P

ClientSampleId :

CG-B4-030722-0-2

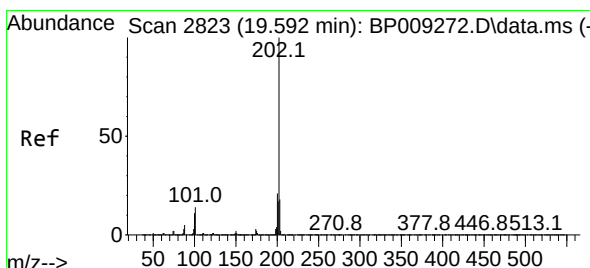
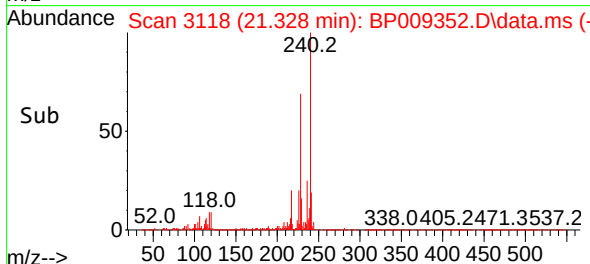
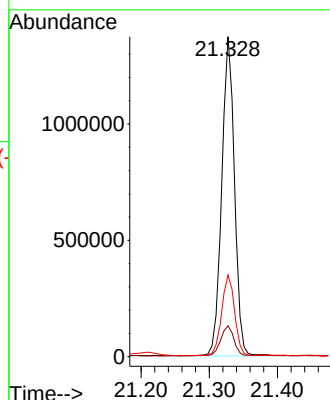
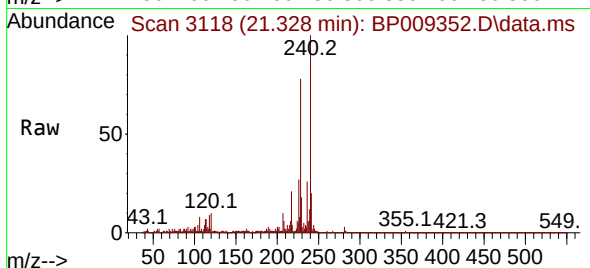
Tgt Ion:240 Resp: 1780991

Ion Ratio Lower Upper

240 100

120 9.7 9.0 13.4

236 25.5 20.6 30.8



#78

Pyrene

Concen: 93.291 ng

RT: 19.592 min Scan# 2823

Delta R.T. 0.000 min

Lab File: BP009352.D

Acq: 10 Mar 2022 19:31

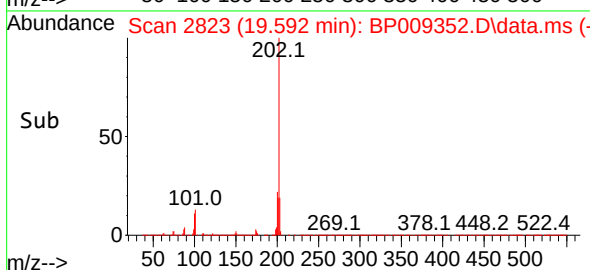
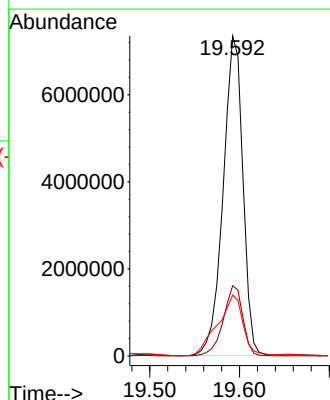
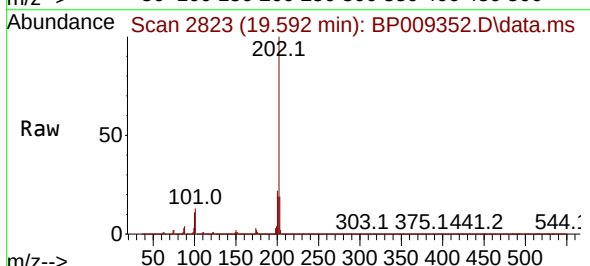
Tgt Ion:202 Resp:11217994

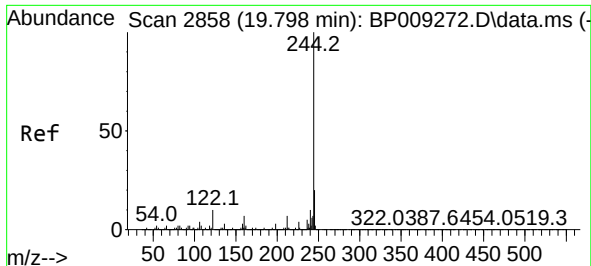
Ion Ratio Lower Upper

202 100

200 21.9 16.8 25.2

203 19.0 14.2 21.4

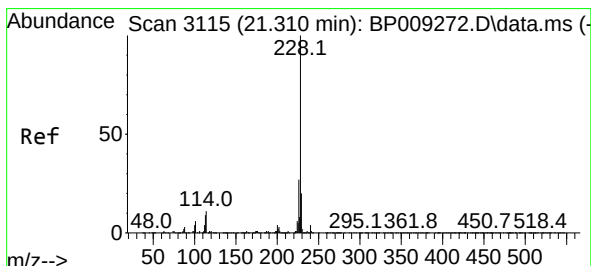
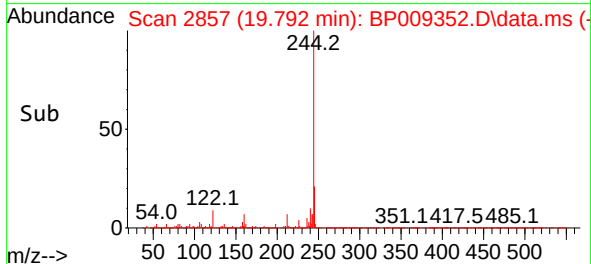
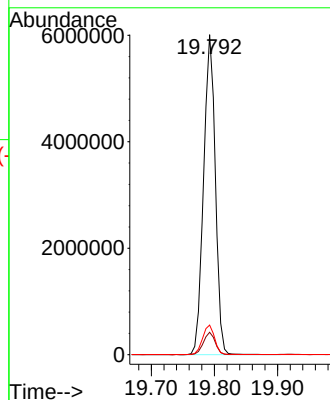
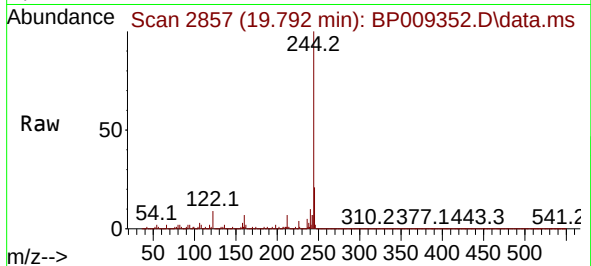




#79
 Terphenyl-d14
 Concen: 82.238 ng
 RT: 19.792 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009352.D
 Acq: 10 Mar 2022 19:31

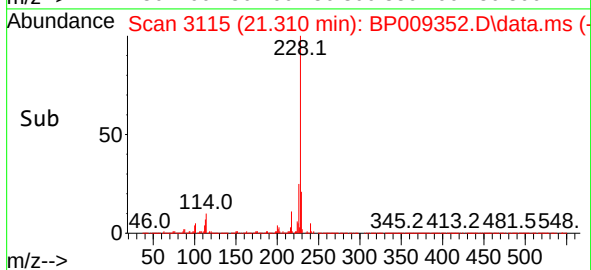
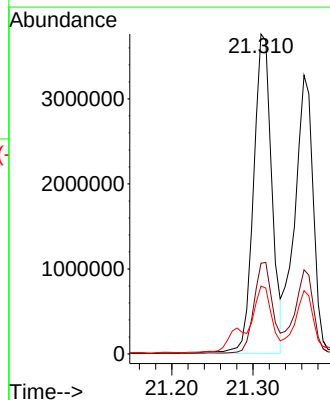
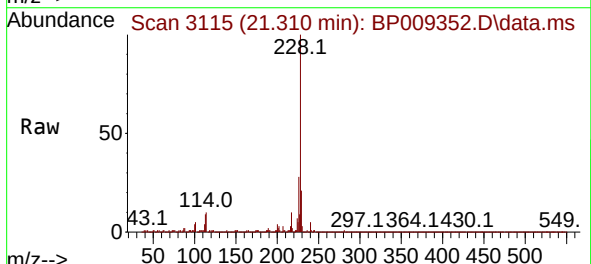
Instrument :
 BNA_P
 ClientSampleId :
 CG-B4-030722-0-2

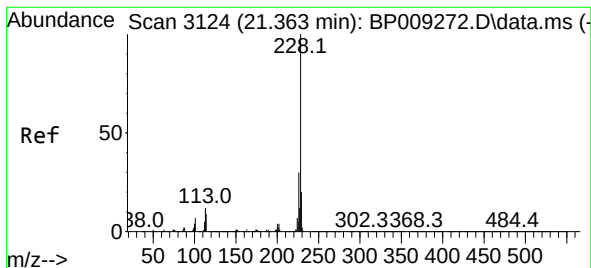
Tgt Ion:244 Resp: 7761245
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 9.2 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 48.556 ng
 RT: 21.310 min Scan# 3115
 Delta R.T. 0.000 min
 Lab File: BP009352.D
 Acq: 10 Mar 2022 19:31

Tgt Ion:228 Resp: 5861403
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.0 33.0
 229 21.2 16.1 24.1





#83

Chrysene

Concen: 44.075 ng

RT: 21.363 min Scan# 3124

Delta R.T. 0.000 min

Lab File: BP009352.D

Acq: 10 Mar 2022 19:31

Instrument :

BNA_P

ClientSampleId :

CG-B4-030722-0-2

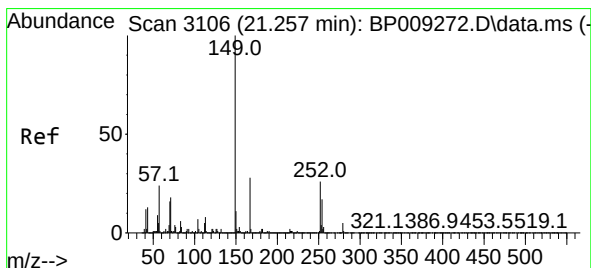
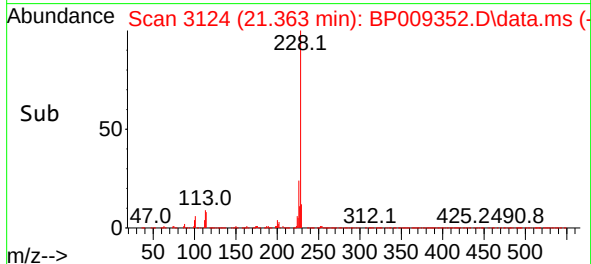
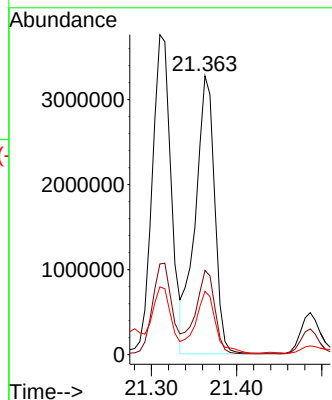
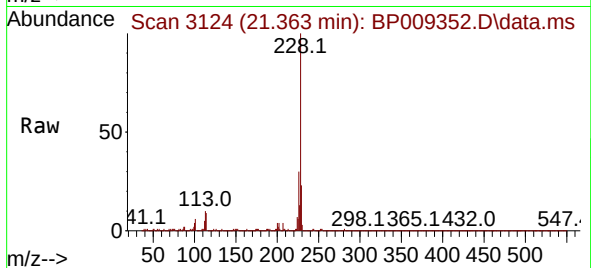
Tgt Ion:228 Resp: 5165744

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 22.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.473 ng

RT: 21.245 min Scan# 3104

Delta R.T. -0.012 min

Lab File: BP009352.D

Acq: 10 Mar 2022 19:31

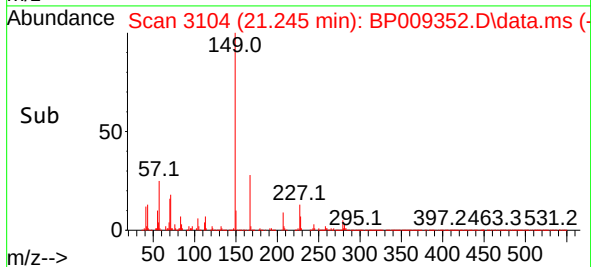
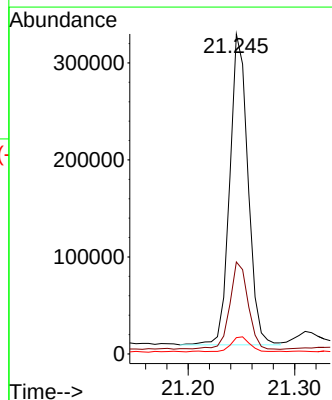
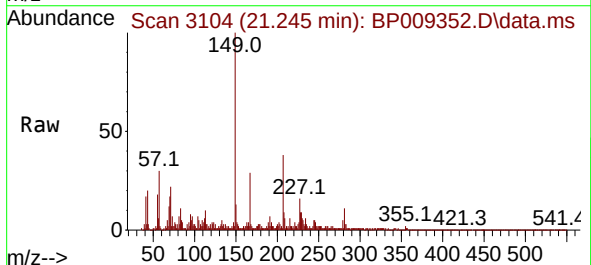
Tgt Ion:149 Resp: 379943

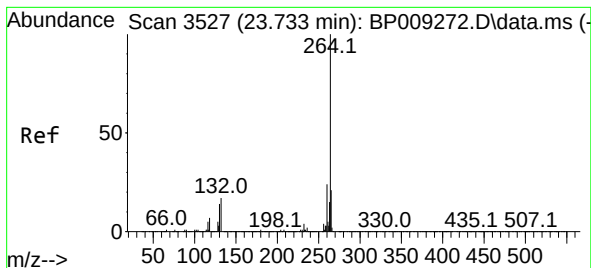
Ion Ratio Lower Upper

149 100

167 28.7 22.6 33.8

279 5.1 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.739 min Scan# 3527

Delta R.T. 0.006 min

Lab File: BP009352.D

Acq: 10 Mar 2022 19:31

Instrument :

BNA_P

ClientSampleId :

CG-B4-030722-0-2

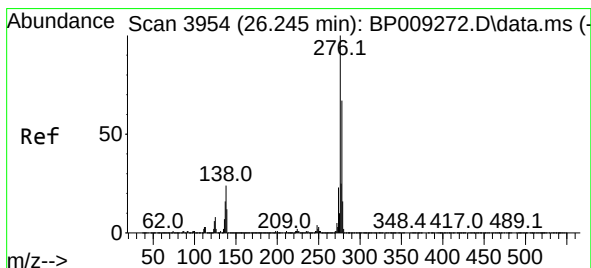
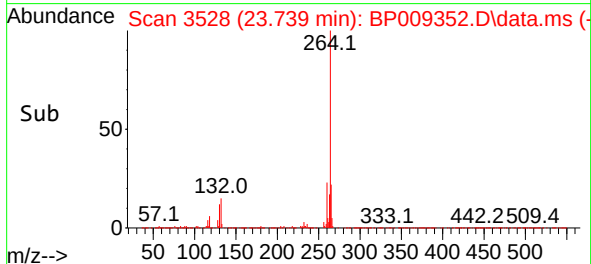
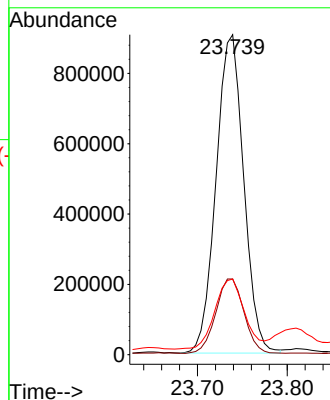
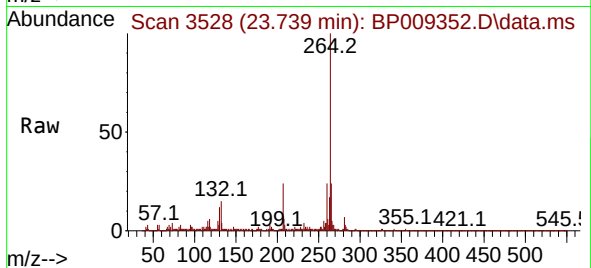
Tgt Ion:264 Resp: 1937340

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 23.6 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.267 ng

RT: 26.245 min Scan# 3954

Delta R.T. 0.000 min

Lab File: BP009352.D

Acq: 10 Mar 2022 19:31

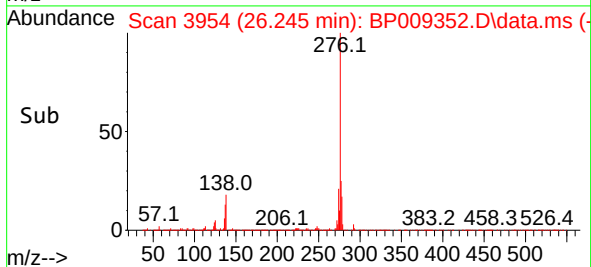
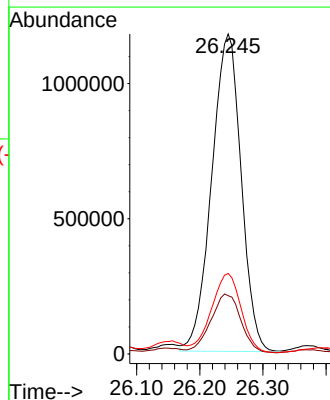
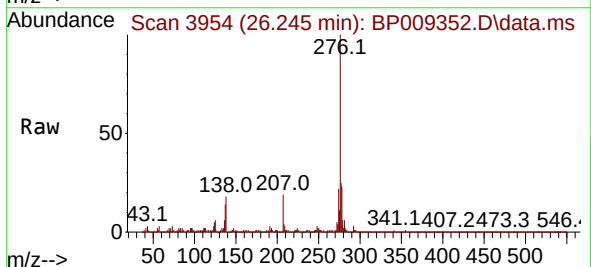
Tgt Ion:276 Resp: 3803285

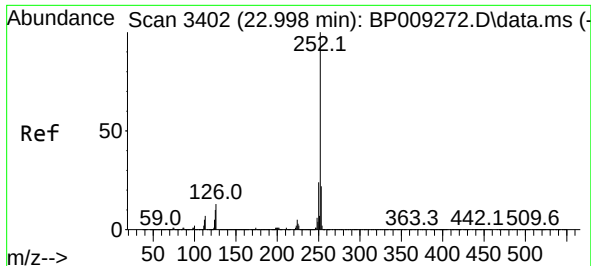
Ion Ratio Lower Upper

276 100

138 19.0 20.5 30.7#

277 25.1 20.4 30.6

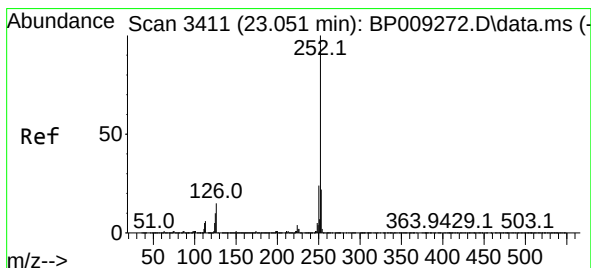
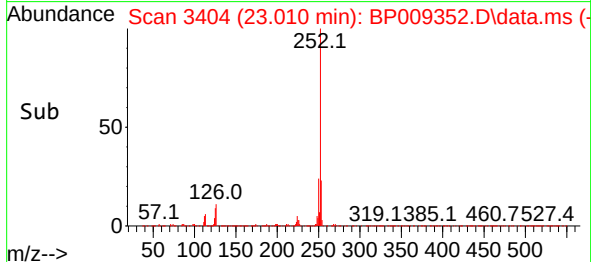
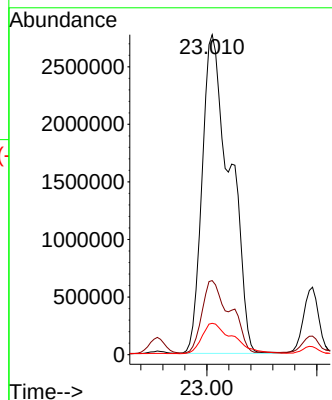
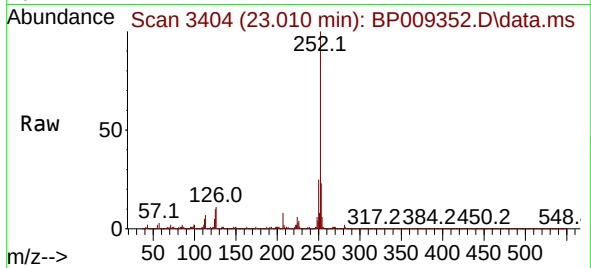




#88
Benzo(b)fluoranthene
Concen: 74.447 ng
RT: 23.010 min Scan# 3404
Delta R.T. 0.012 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

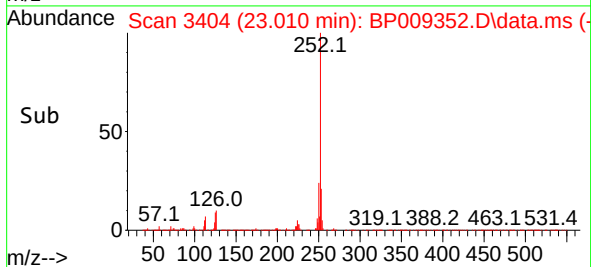
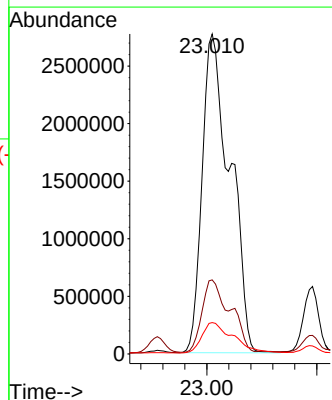
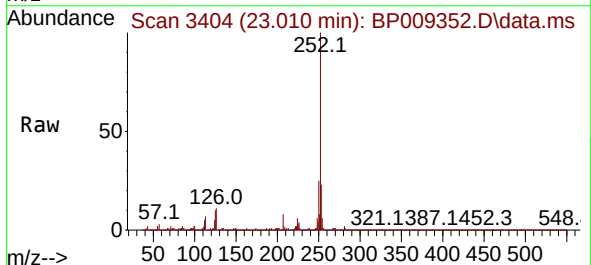
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

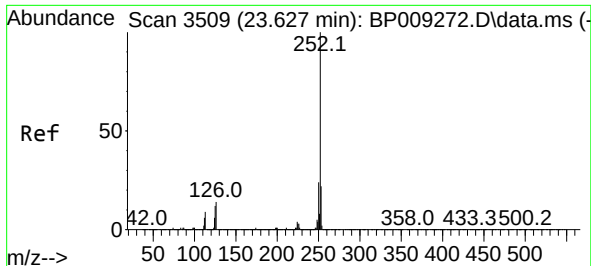
Tgt Ion:252 Resp: 9738159
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 9.8 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 77.957 ng
RT: 23.010 min Scan# 3404
Delta R.T. -0.041 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

Tgt Ion:252 Resp: 9741961
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 9.8 8.3 12.5

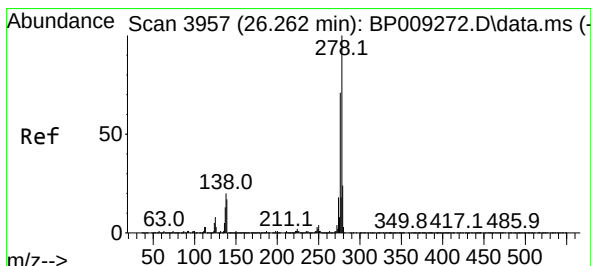
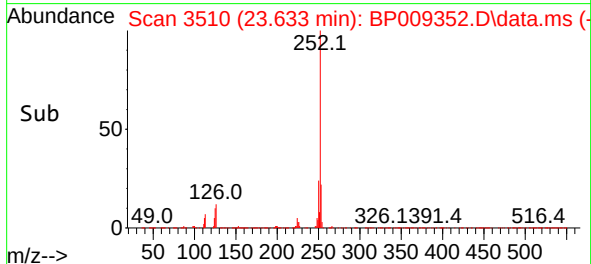
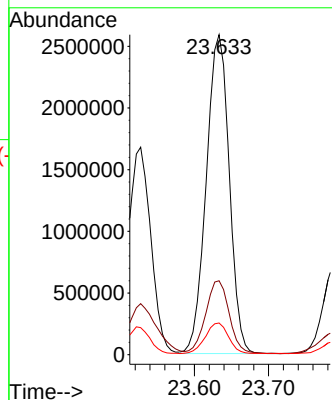
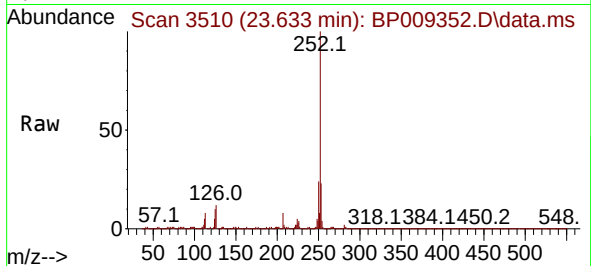




#90
Benzo(a)pyrene
Concen: 44.873 ng
RT: 23.633 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

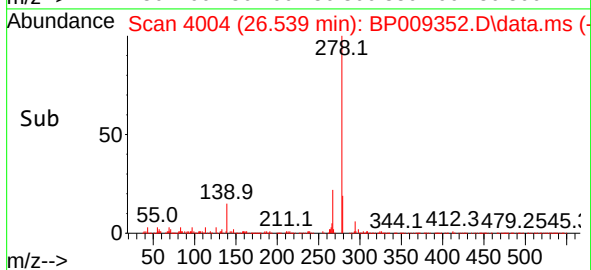
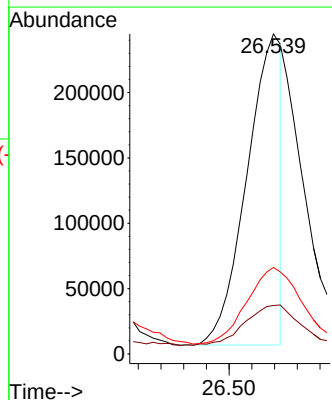
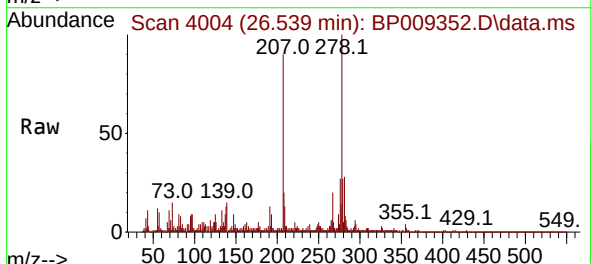
Instrument :
BNA_P
ClientSampleId :
CG-B4-030722-0-2

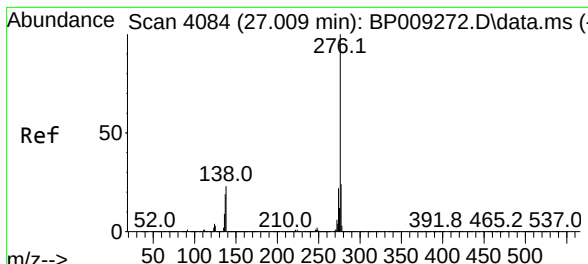
Tgt Ion:252 Resp: 5567105
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 9.9 9.3 13.9



#91
Dibenzo(a,h)anthracene
Concen: 3.940 ng
RT: 26.539 min Scan# 4004
Delta R.T. 0.277 min
Lab File: BP009352.D
Acq: 10 Mar 2022 19:31

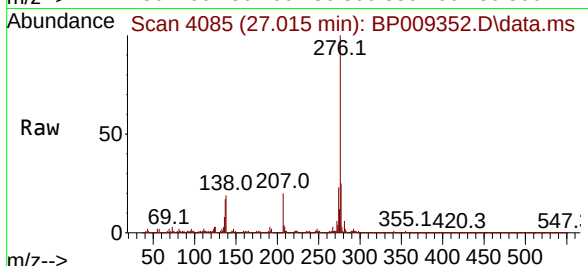
Tgt Ion:278 Resp: 502923
Ion Ratio Lower Upper
278 100
139 15.2 13.2 19.8
279 27.0 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 30.219 ng
 RT: 27.015 min Scan# 4085
 Delta R.T. 0.006 min
 Lab File: BP009352.D
 Acq: 10 Mar 2022 19:31

Instrument :
 BNA_P
 ClientSampleId :
 CG-B4-030722-0-2



Tgt Ion:276 Resp: 3810276

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	19.1	18.0	27.0

