

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
 Data File : BP008355.D
 Acq On : 10 Dec 2021 23:22
 Operator : CG/JU
 Sample : M4989-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P5-COMP

Quant Time: Dec 11 04:02:30 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 11 03:53:01 2021
 Response via : Initial Calibration

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

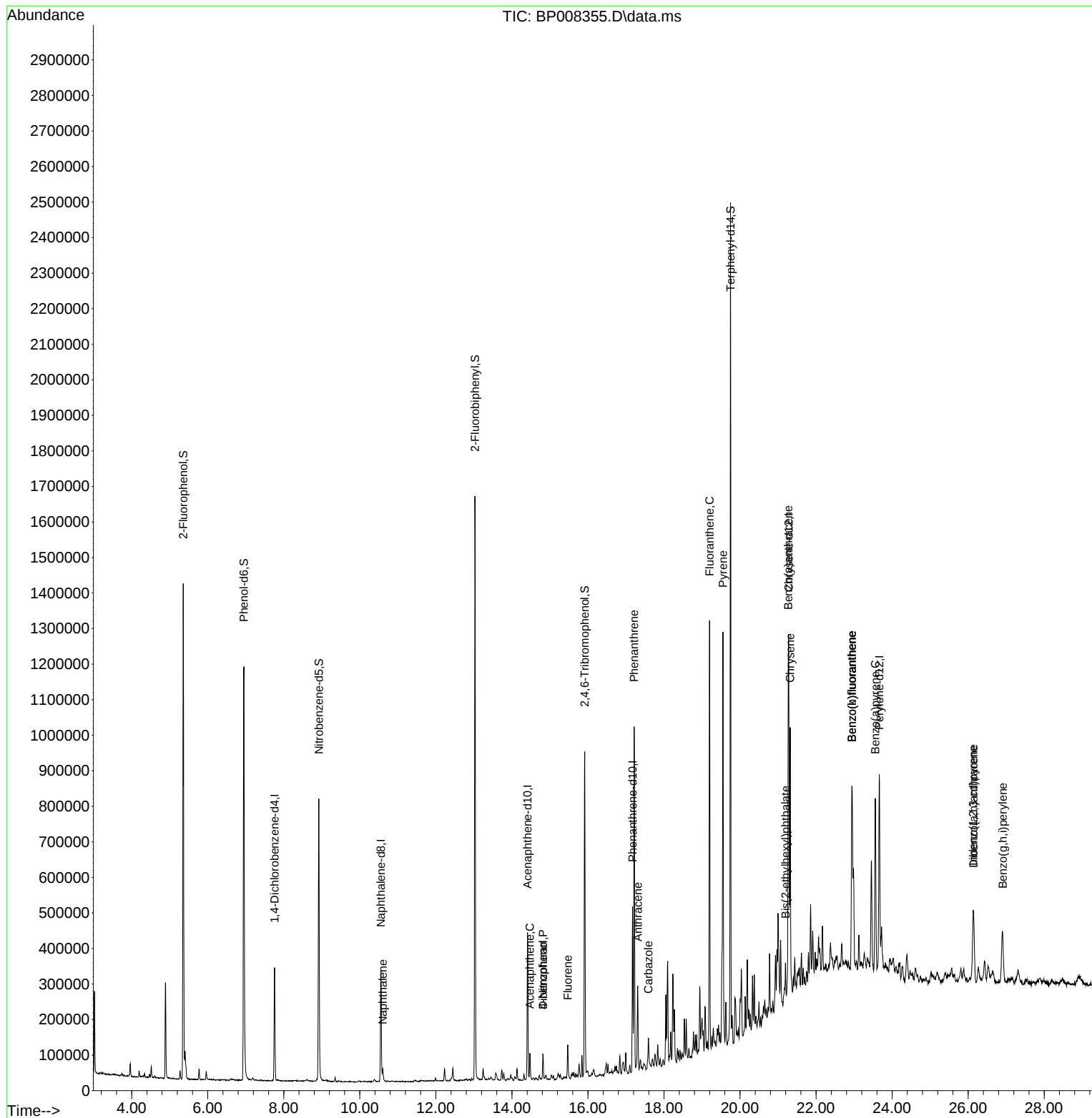
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	80022	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	247127	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	135333	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	257937	20.000	ng	0.00
76) Chrysene-d12	21.280	240	317539	20.000	ng	0.00
86) Perylene-d12	23.663	264	410471	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	550705	110.805	ng	0.00
7) Phenol-d6	6.952	99	657368	97.980	ng	0.00
23) Nitrobenzene-d5	8.922	82	467668	86.054	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	170203	98.396	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	815775	87.558	ng	0.00
79) Terphenyl-d14	19.751	244	1043927	68.707	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.893	77	121	Below Cal	#	41
31) Naphthalene	10.604	128	27172	2.146	ng	99
52) Acenaphthene	14.475	154	24645	3.457	ng	96
55) Dibenzofuran	14.816	168	37569	3.084	ng	99
56) 4-Nitrophenol	14.816	139	15322	9.352	ng	# 3
58) Fluorene	15.469	166	39849	4.026	ng	97
71) Phenanthrene	17.216	178	558438	41.006	ng	99
72) Anthracene	17.310	178	124235	9.192	ng	99
73) Carbazole	17.592	167	49376	3.743	ng	96
75) Fluoranthene	19.198	202	666347	36.321	ng	99
78) Pyrene	19.551	202	690274	33.874	ng	99
81) Benzo(a)anthracene	21.269	228	438965	20.858	ng	98
83) Chrysene	21.322	228	397204	19.834	ng	97
84) Bis(2-ethylhexyl)phtha...	21.198	149	27521	2.005	ng	# 96
87) Indeno(1,2,3-cd)pyrene	26.133	276	212717	7.123	ng	# 95
88) Benzo(b)fluoranthene	22.945	252	487779	19.712	ng	99
89) Benzo(k)fluoranthene	22.945	252	487779	20.135	ng	98
90) Benzo(a)pyrene	23.557	252	382056	18.065	ng	98
91) Dibenzo(a,h)anthracene	26.139	278	68814	2.775	ng	# 93
92) Benzo(g,h,i)perylene	26.909	276	203141	8.119	ng	97

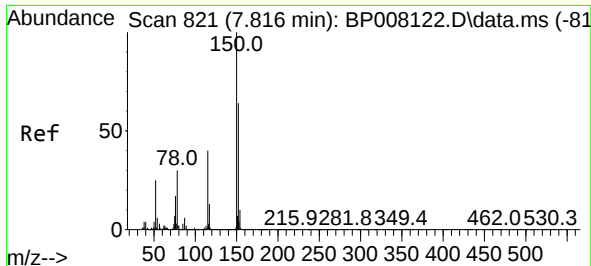
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

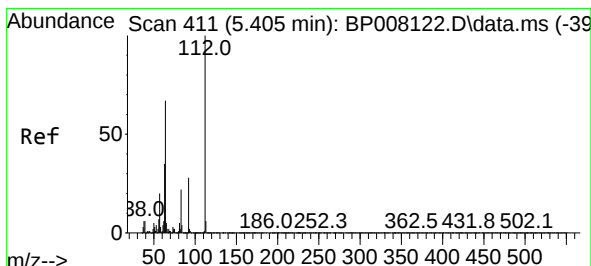
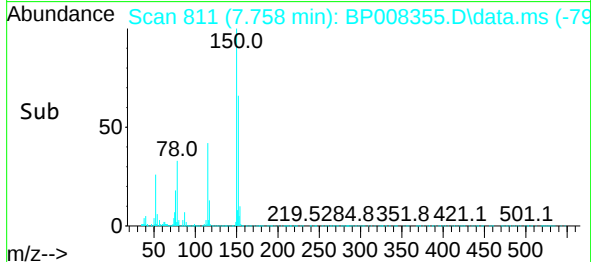
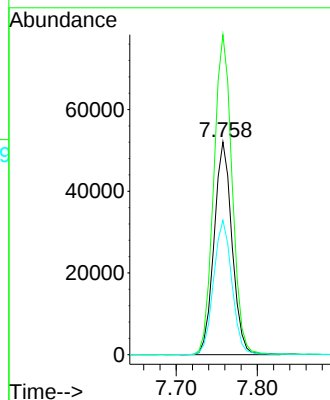
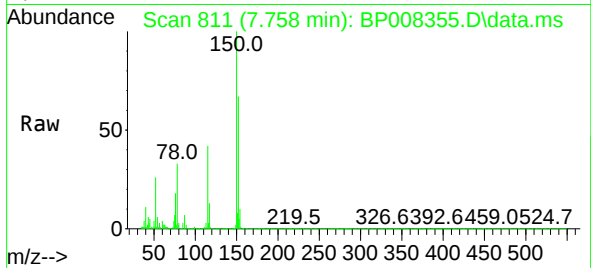




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.758 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

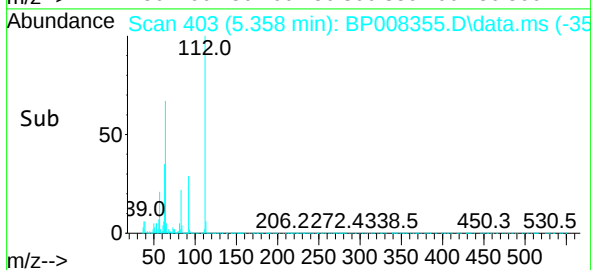
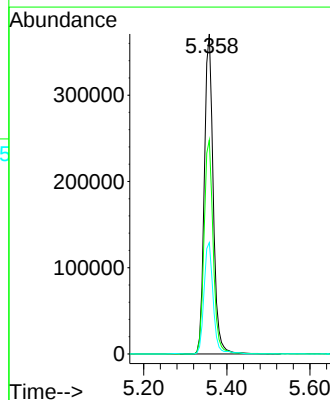
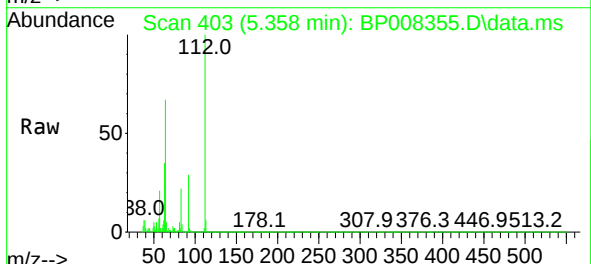
Instrument :
BNA_P
ClientSampleId :
P5-COMP

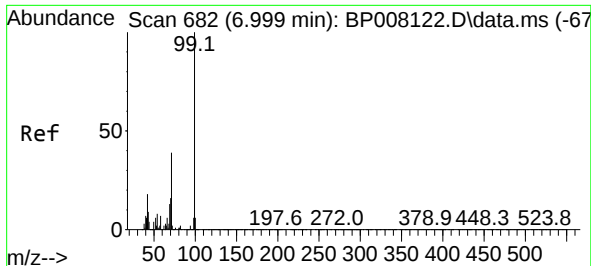
Tgt Ion:152 Resp: 80022
Ion Ratio Lower Upper
152 100
150 150.4 125.7 188.5
115 63.1 50.7 76.1



#5
2-Fluorophenol
Concen: 110.805 ng
RT: 5.358 min Scan# 403
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:112 Resp: 550705
Ion Ratio Lower Upper
112 100
64 66.8 53.4 80.2
63 34.8 27.8 41.8





#7

Phenol-d6

Concen: 97.980 ng

RT: 6.952 min Scan# 61

Delta R.T. 0.000 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

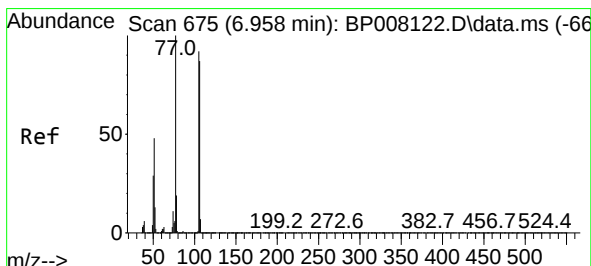
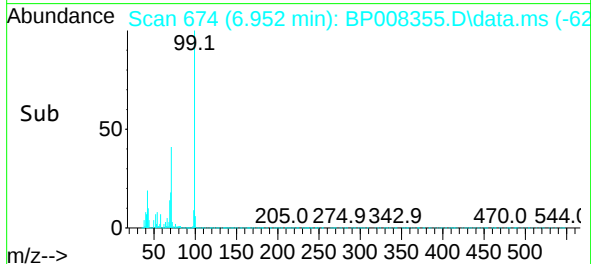
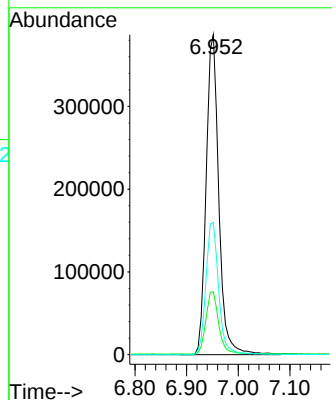
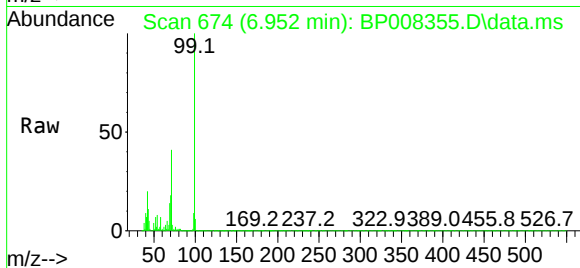
Tgt Ion: 99 Resp: 657368

Ion Ratio Lower Upper

99 100

42 19.7 14.6 22.0

71 41.3 31.1 46.7



#9

Benzaldehyde

Concen: Below Cal

RT: 6.893 min Scan# 664

Delta R.T. -0.018 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

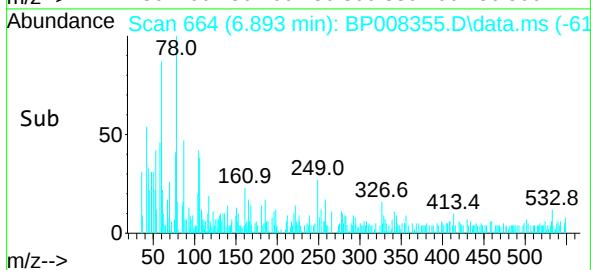
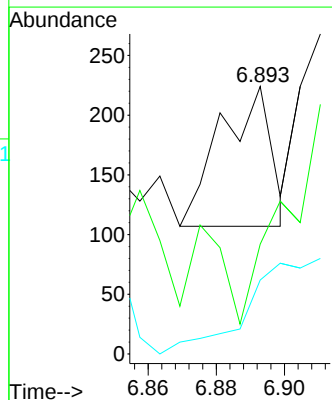
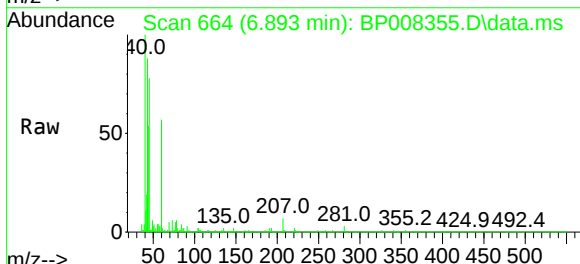
Tgt Ion: 77 Resp: 121

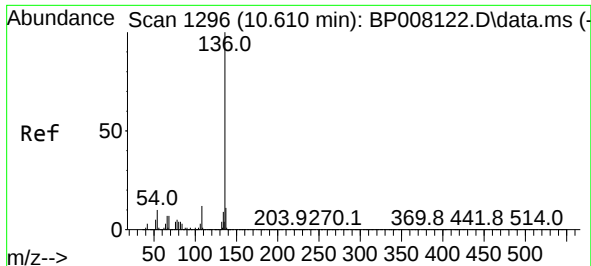
Ion Ratio Lower Upper

77 100

105 41.1 71.8 111.8#

106 27.7 67.3 107.3#

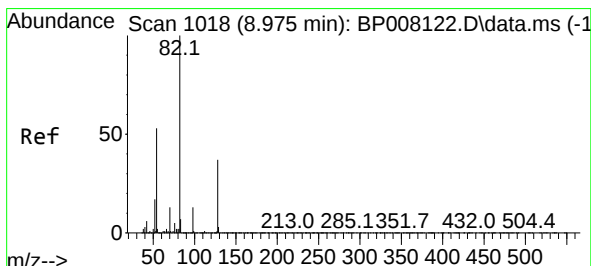
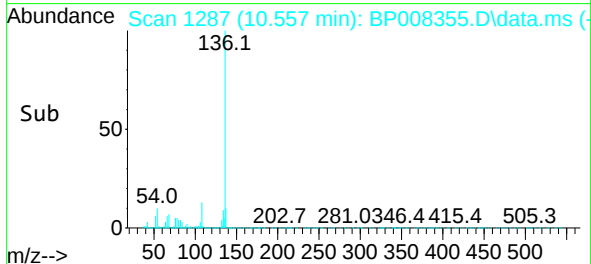
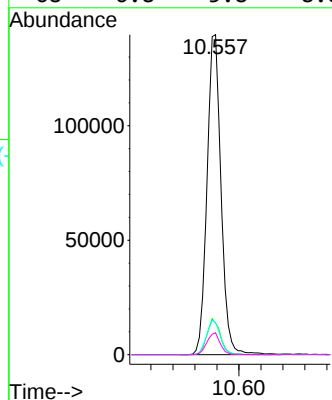
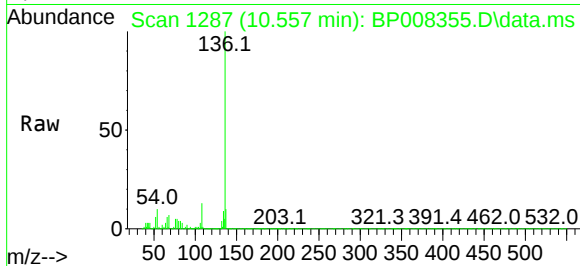




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

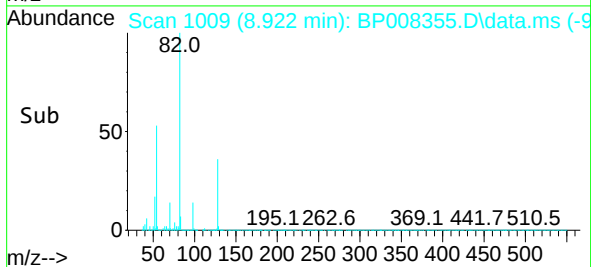
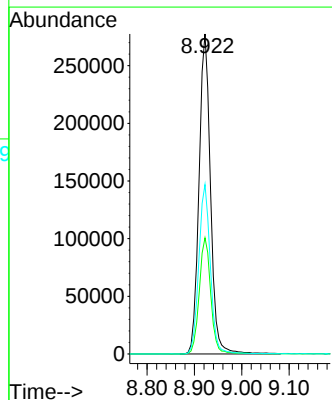
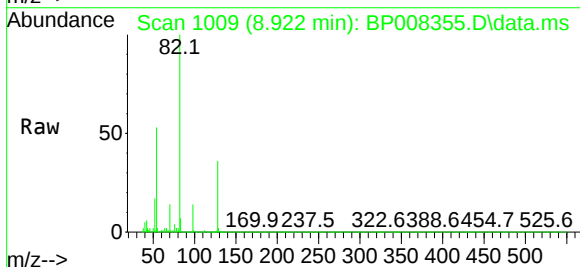
Instrument :
BNA_P
ClientSampleId :
P5-COMP

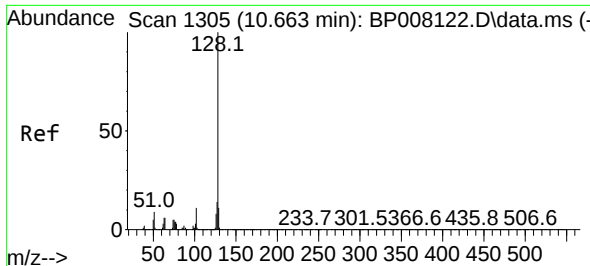
Tgt Ion:	136	Resp:	247127
Ion	Ratio	Lower	Upper
136	100		
137	9.9	9.0	13.6
54	10.1	8.2	12.4
68	6.8	5.8	8.8



#23
Nitrobenzene-d5
Concen: 86.054 ng
RT: 8.922 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:	82	Resp:	467668
Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.6	44.4
54	52.9	42.7	64.1

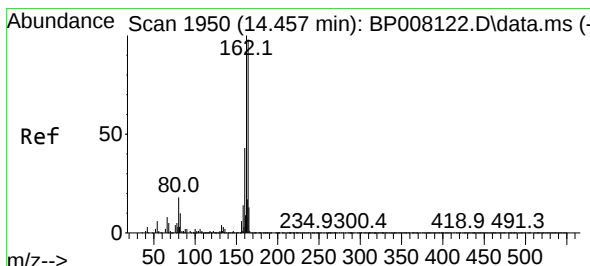
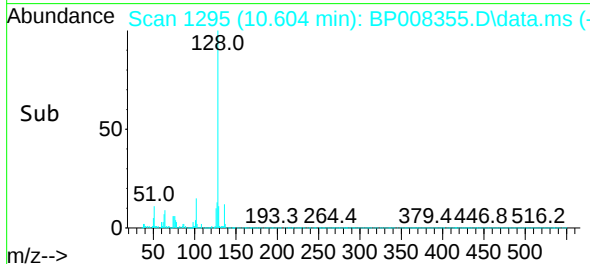
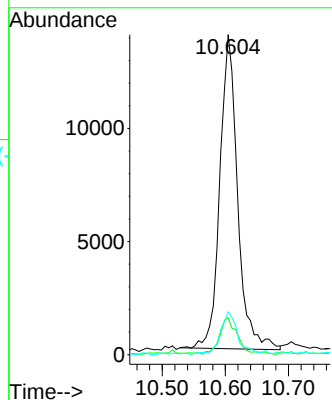
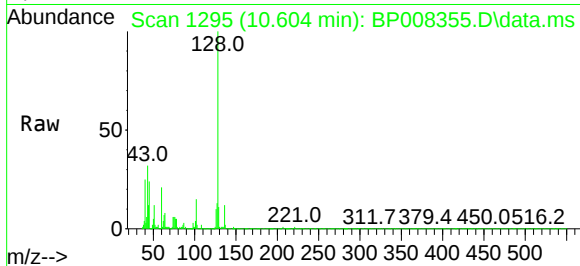




#31
Naphthalene
Concen: 2.146 ng
RT: 10.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

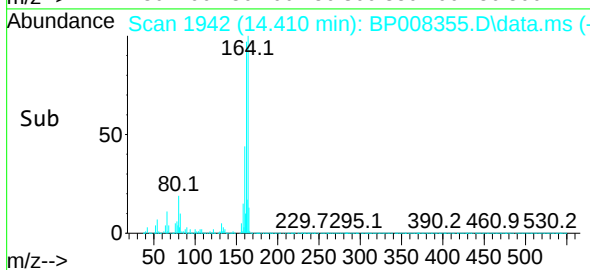
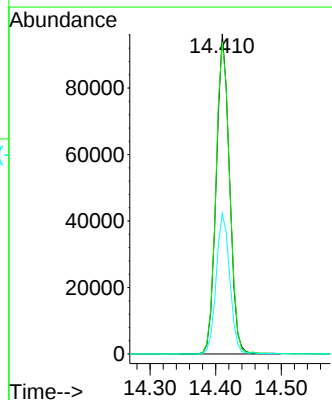
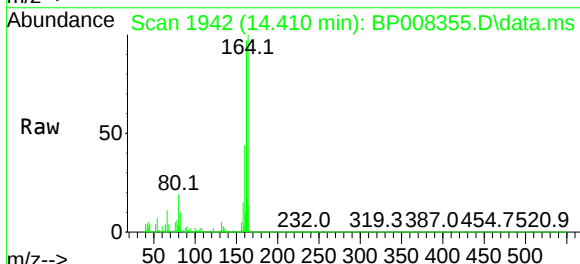
Instrument :
BNA_P
ClientSampleId :
P5-COMP

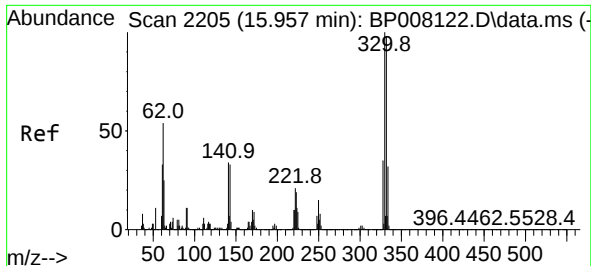
Tgt Ion:128 Resp: 27172
Ion Ratio Lower Upper
128 100
129 11.5 8.5 12.7
127 13.4 10.9 16.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:164 Resp: 135333
Ion Ratio Lower Upper
164 100
162 97.4 81.9 122.9
160 43.8 35.4 53.0

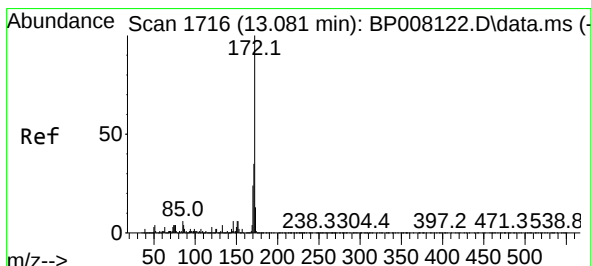
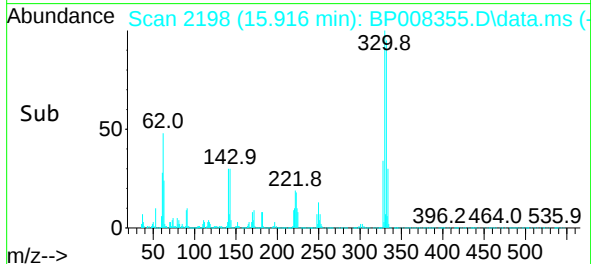
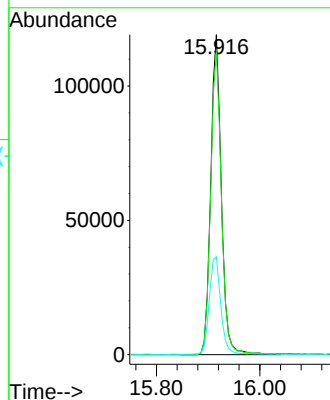
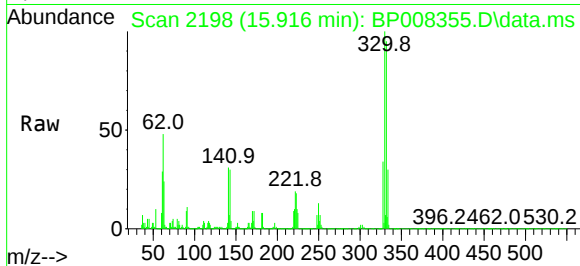




#42
2,4,6-Tribromophenol
Concen: 98.396 ng
RT: 15.916 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

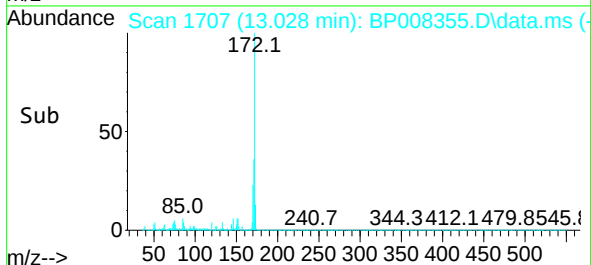
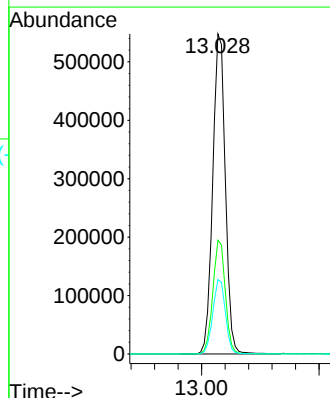
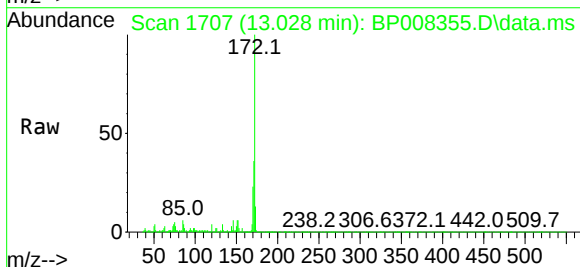
Instrument :
BNA_P
ClientSampleId :
P5-COMP

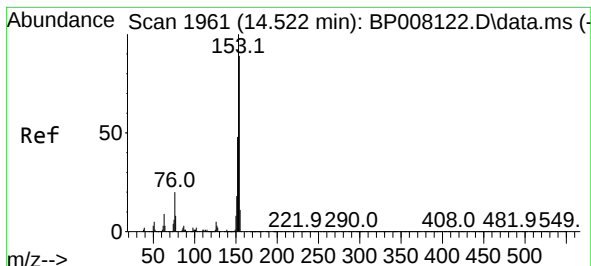
Tgt Ion:330 Resp: 170203
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 33.3 28.4 42.6



#45
2-Fluorobiphenyl
Concen: 87.558 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:172 Resp: 815775
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.3 18.9 28.3





#52

Acenaphthene

Concen: 3.457 ng

RT: 14.475 min Scan# 1961

Delta R.T. -0.006 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

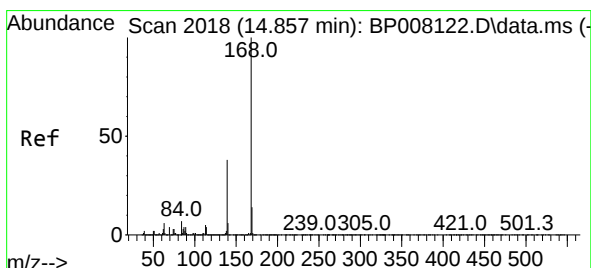
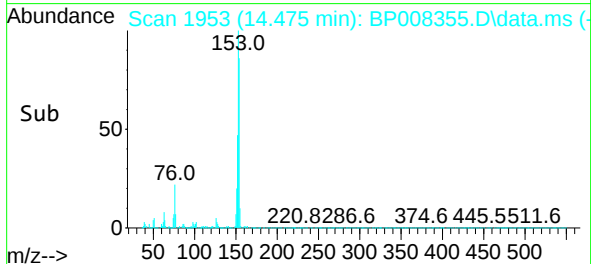
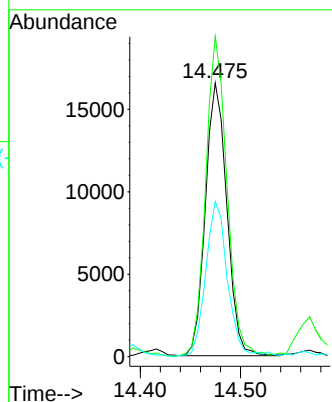
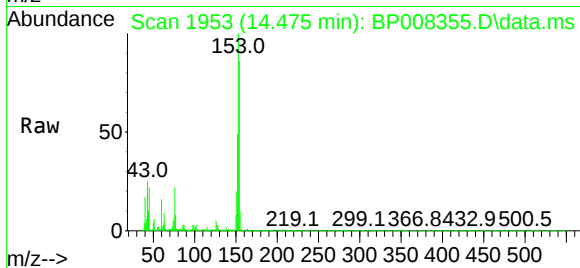
Tgt Ion:154 Resp: 24645

Ion Ratio Lower Upper

154 100

153 116.9 90.3 135.5

152 56.7 43.3 64.9



#55

Dibenzofuran

Concen: 3.084 ng

RT: 14.816 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

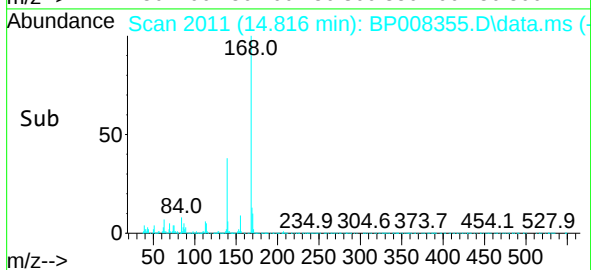
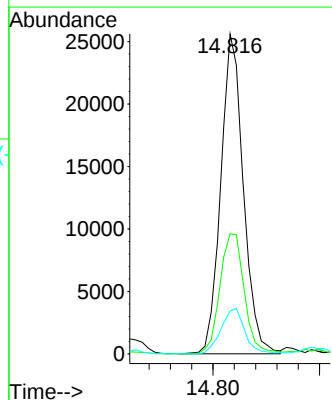
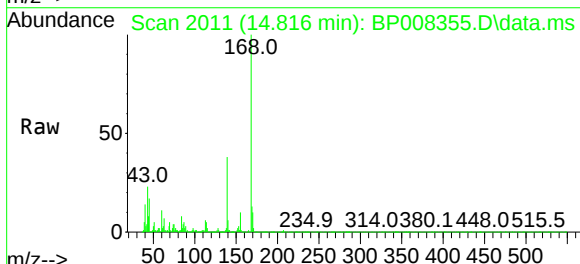
Tgt Ion:168 Resp: 37569

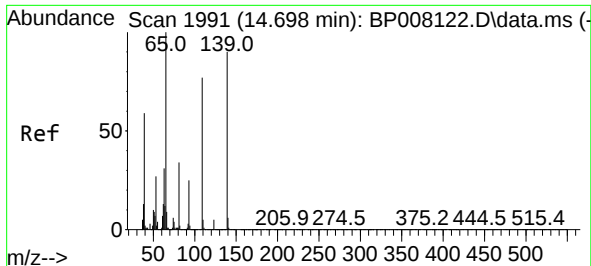
Ion Ratio Lower Upper

168 100

139 37.5 30.6 46.0

169 13.4 11.0 16.4

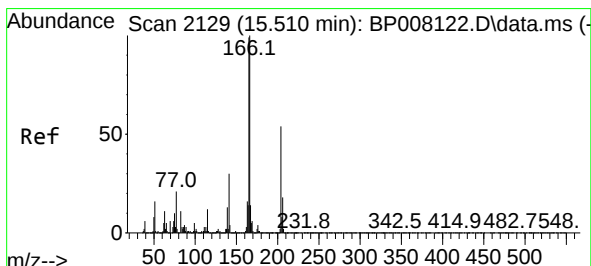
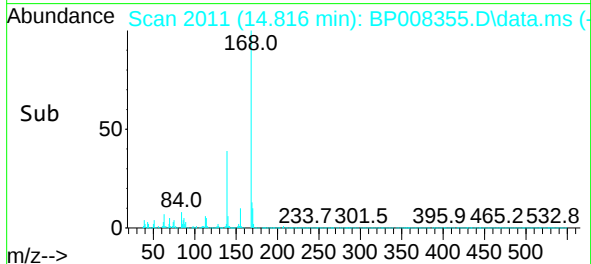
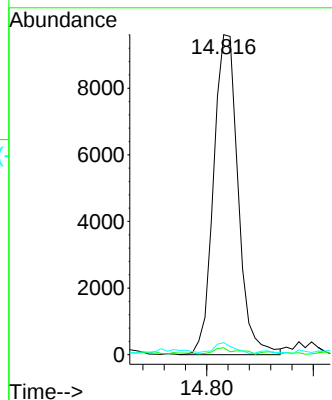
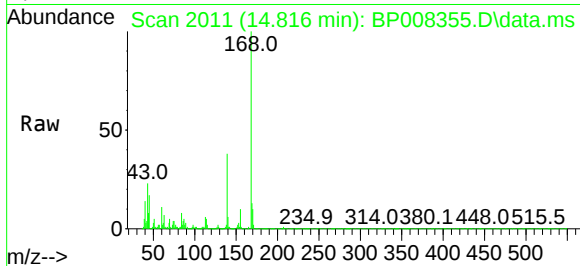




#56
4-Nitrophenol
Concen: 9.352 ng
RT: 14.816 min Scan# 20
Delta R.T. 0.135 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

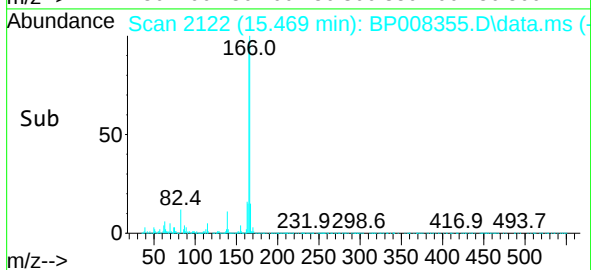
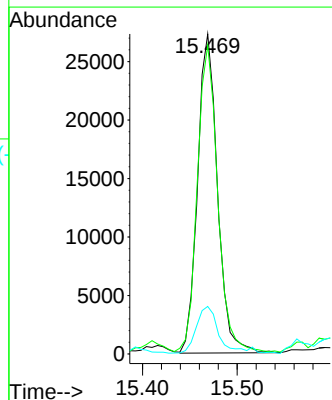
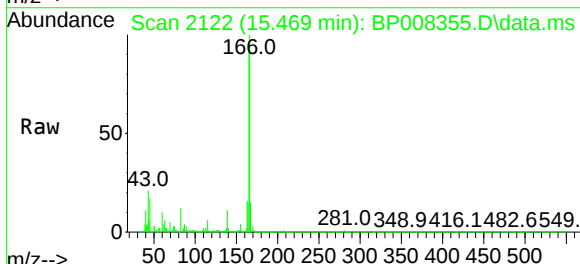
Instrument :
BNA_P
ClientSampleId :
P5-COMP

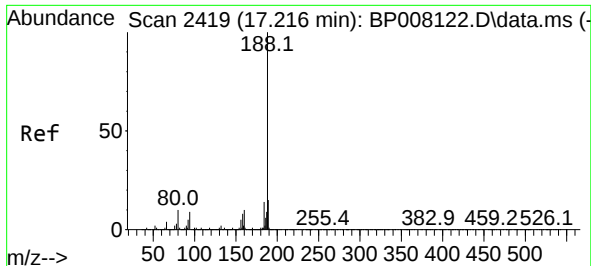
Tgt Ion:139 Resp: 15322
Ion Ratio Lower Upper
139 100
109 2.2 65.9 105.9#
65 3.8 91.9 131.9#



#58
Fluorene
Concen: 4.026 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:166 Resp: 39849
Ion Ratio Lower Upper
166 100
165 96.5 79.4 119.2
167 14.9 10.9 16.3

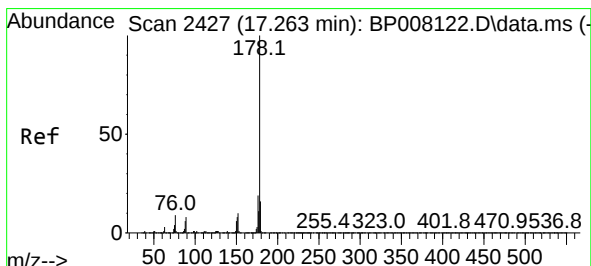
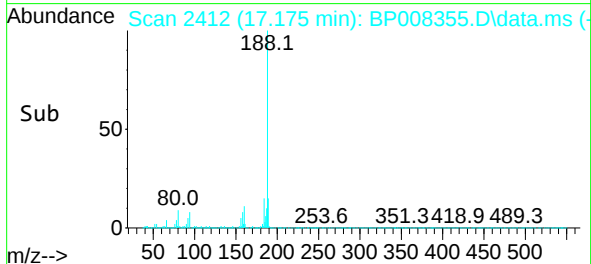
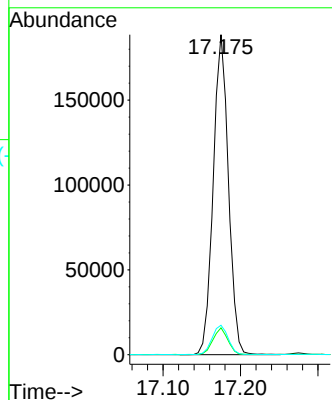
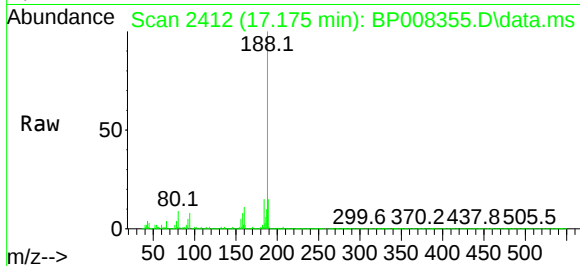




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

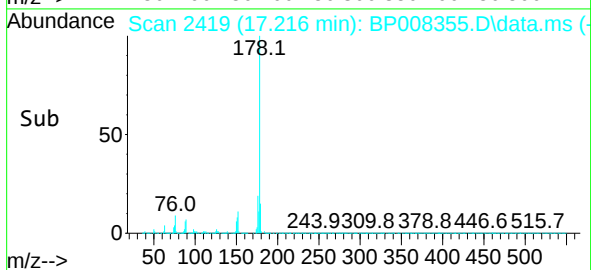
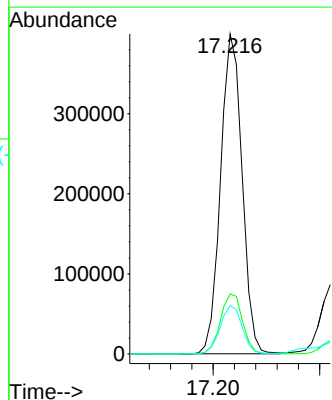
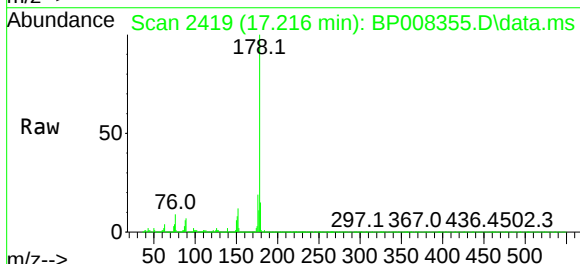
Instrument :
BNA_P
ClientSampleId :
P5-COMP

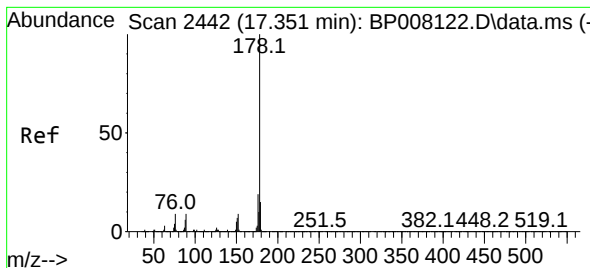
Tgt Ion:188 Resp: 257937
Ion Ratio Lower Upper
188 100
94 8.4 7.2 10.8
80 9.2 8.2 12.4



#71
Phenanthrene
Concen: 41.006 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:178 Resp: 558438
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.2 12.5 18.7





#72

Anthracene

Concen: 9.192 ng

RT: 17.310 min Scan# 2442

Delta R.T. -0.006 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

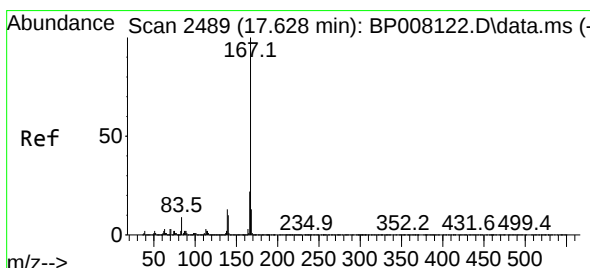
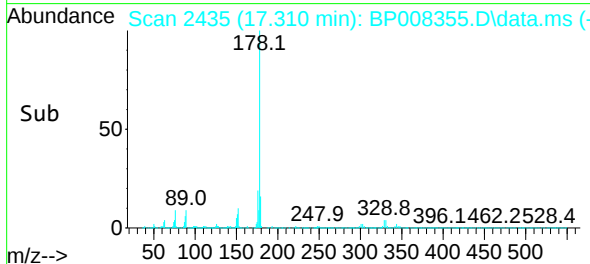
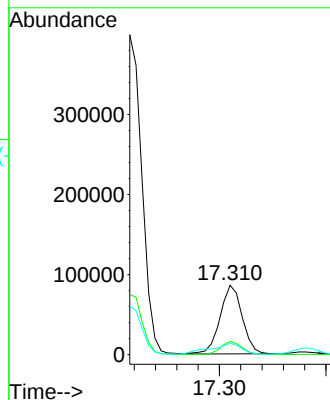
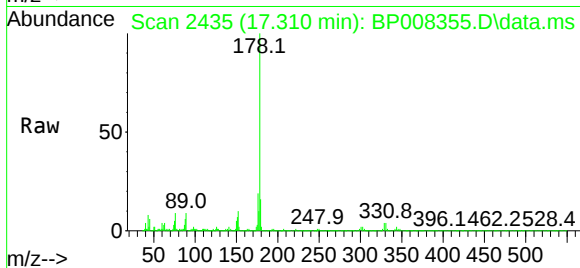
Tgt Ion:178 Resp: 124235

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

179 16.4 12.3 18.5



#73

Carbazole

Concen: 3.743 ng

RT: 17.592 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

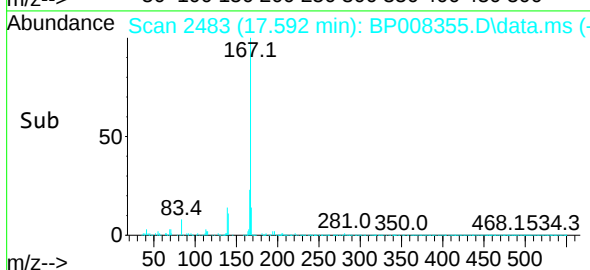
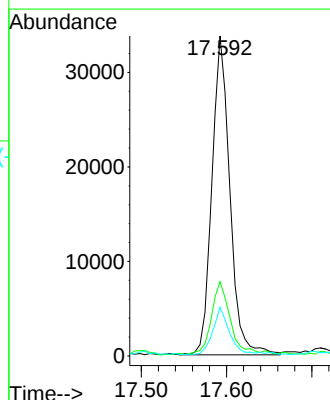
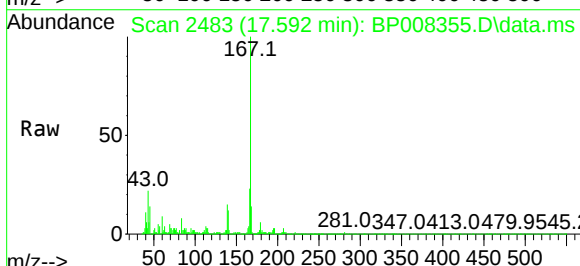
Tgt Ion:167 Resp: 49376

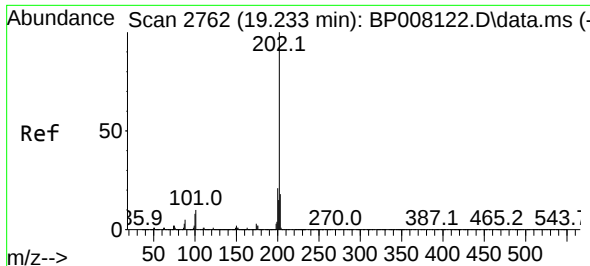
Ion Ratio Lower Upper

167 100

166 23.2 17.4 26.0

139 15.2 10.2 15.2

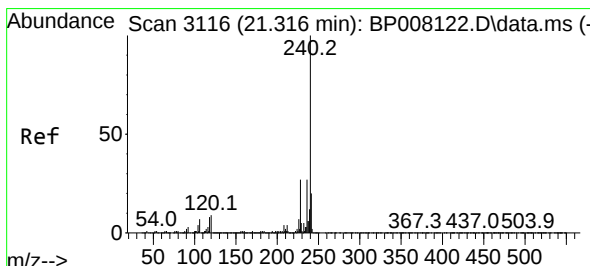
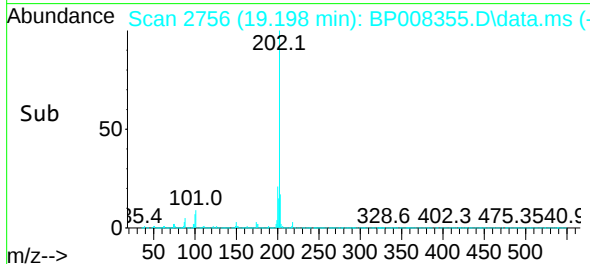
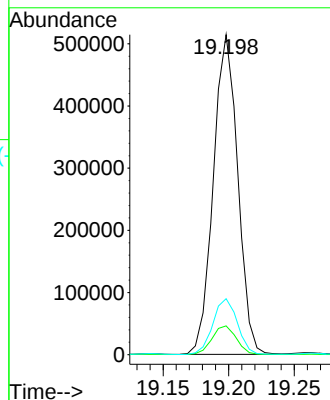
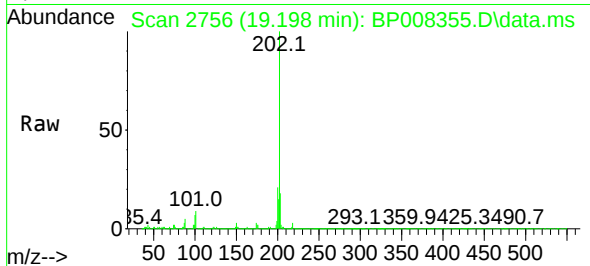




#75
Fluoranthene
Concen: 36.321 ng
RT: 19.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

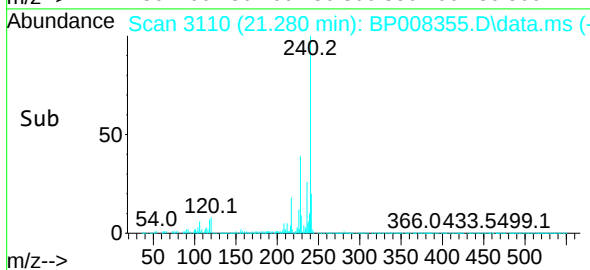
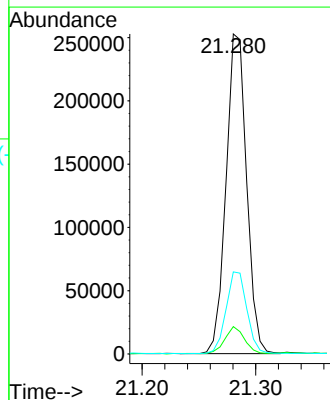
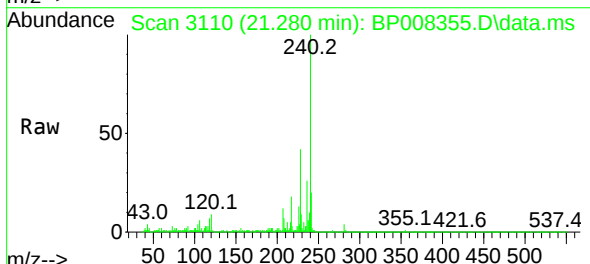
Instrument :
BNA_P
ClientSampleId :
P5-COMP

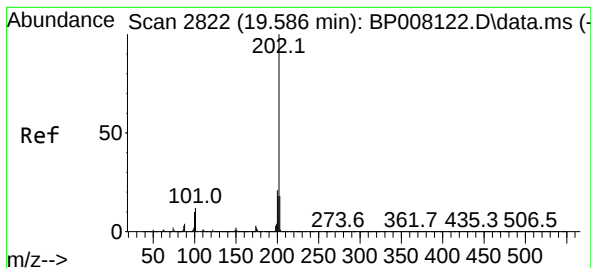
Tgt Ion:202 Resp: 666347
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.8
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:240 Resp: 317539
Ion Ratio Lower Upper
240 100
120 8.6 7.3 10.9
236 25.6 21.4 32.2





#78

Pyrene

Concen: 33.874 ng

RT: 19.551 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

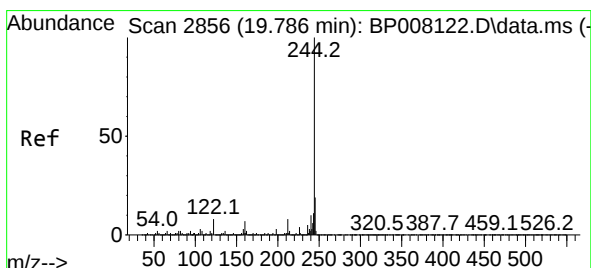
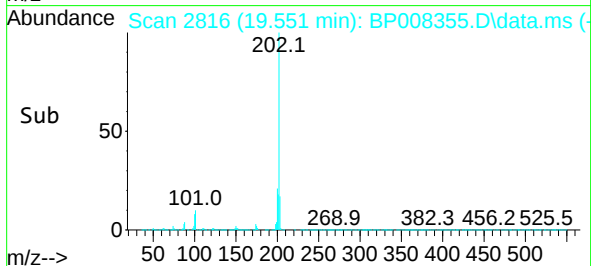
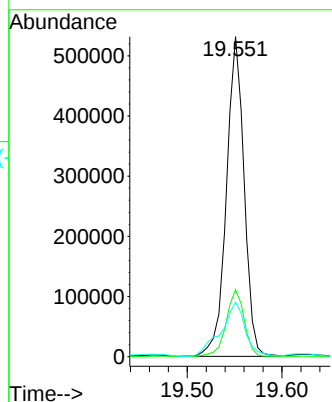
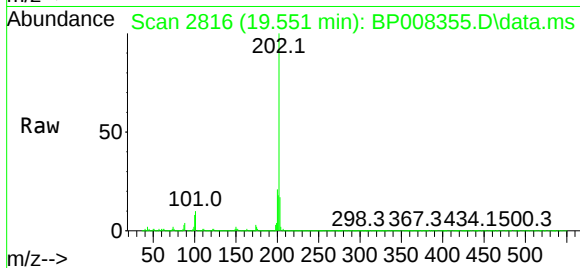
Tgt Ion:202 Resp: 690274

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.0 14.2 21.2



#79

Terphenyl-d14

Concen: 68.707 ng

RT: 19.751 min Scan# 2850

Delta R.T. -0.006 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

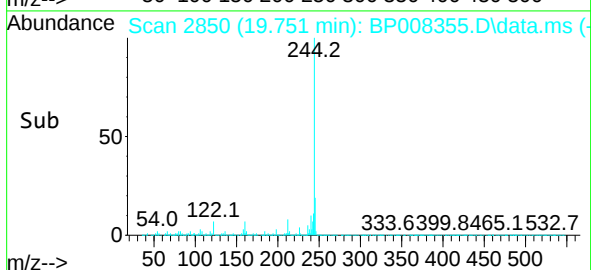
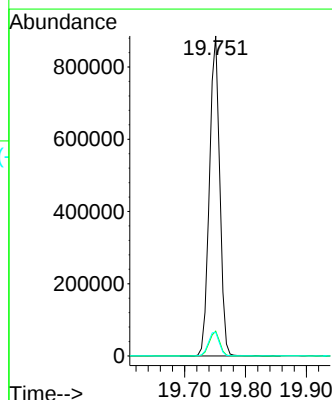
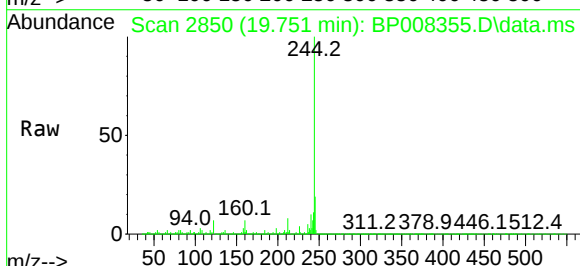
Tgt Ion:244 Resp: 1043927

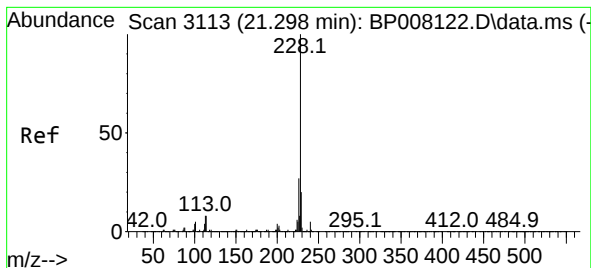
Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 7.4 6.6 9.8





#81

Benzo(a)anthracene

Concen: 20.858 ng

RT: 21.269 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

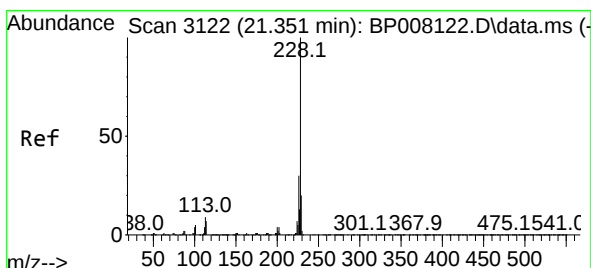
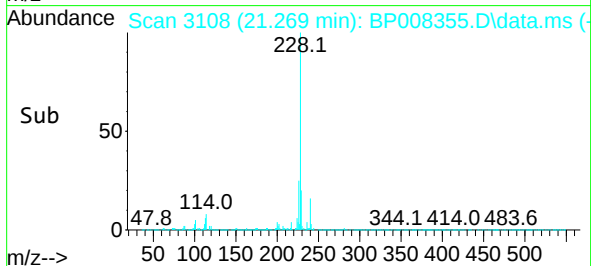
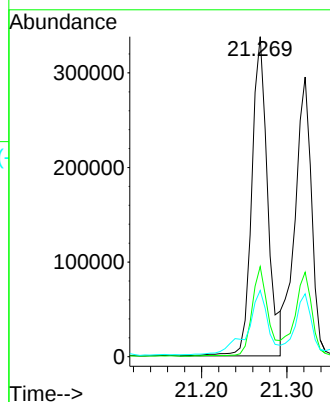
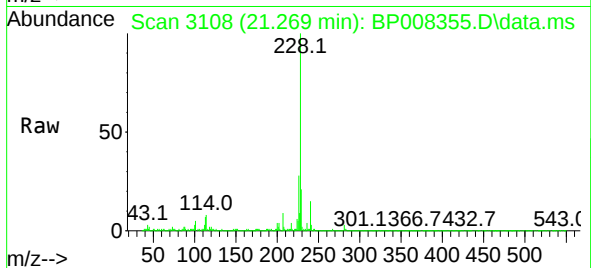
Tgt Ion:228 Resp: 438965

Ion Ratio Lower Upper

228 100

226 28.1 21.9 32.9

229 20.7 15.9 23.9



#83

Chrysene

Concen: 19.834 ng

RT: 21.322 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

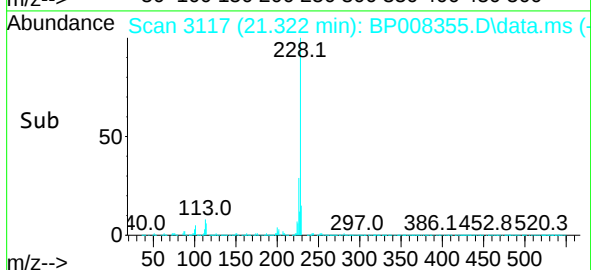
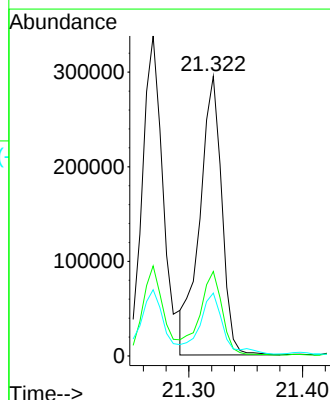
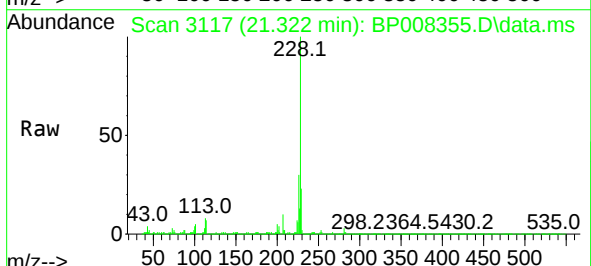
Tgt Ion:228 Resp: 397204

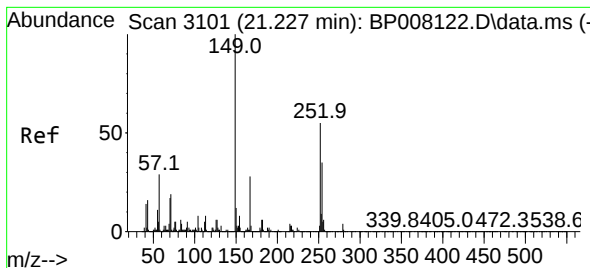
Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 22.5 15.8 23.8

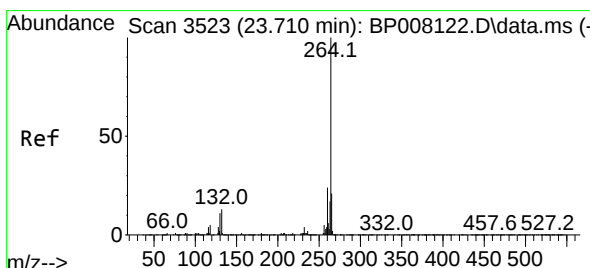
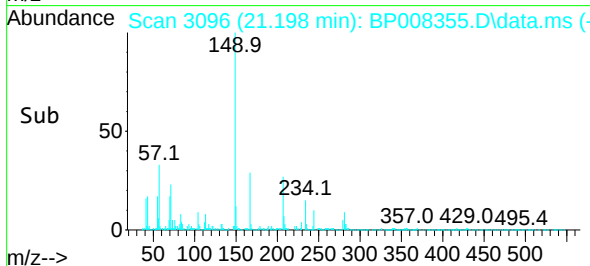
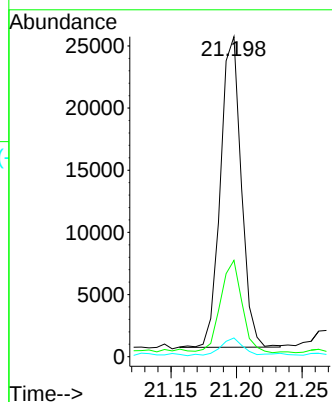
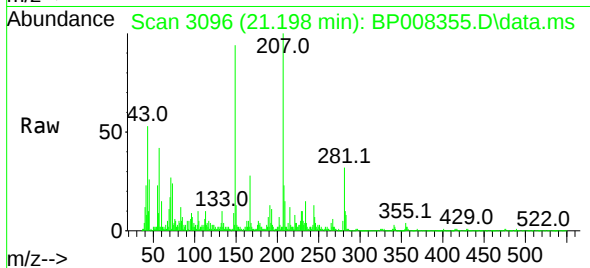




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.005 ng
RT: 21.198 min Scan# 3096
Delta R.T. 0.000 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

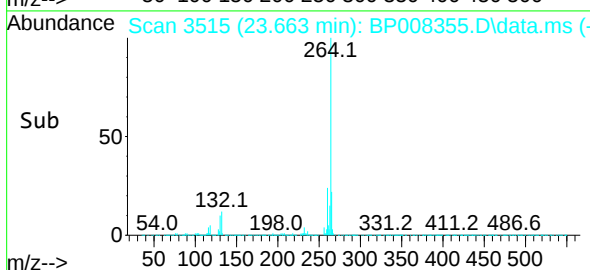
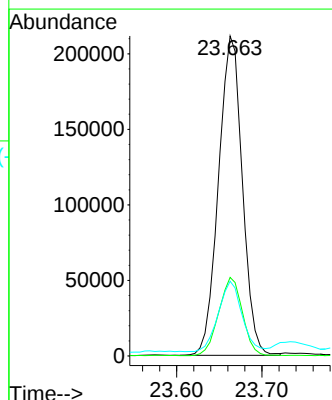
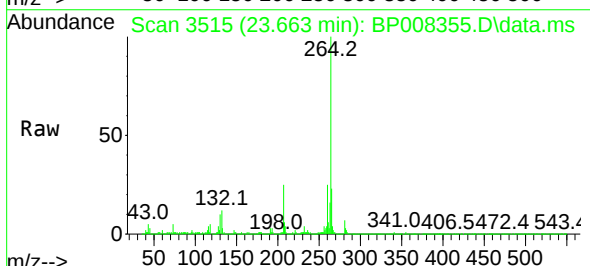
Instrument :
BNA_P
ClientSampleId :
P5-COMP

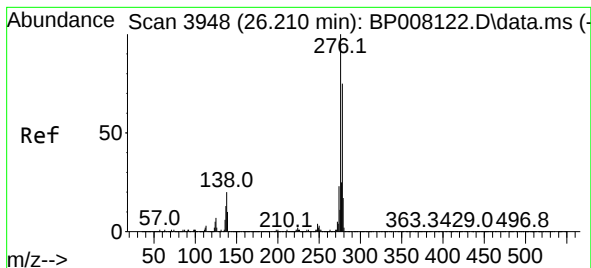
Tgt Ion:149 Resp: 27521
Ion Ratio Lower Upper
149 100
167 30.1 22.5 33.7
279 5.8 3.5 5.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.663 min Scan# 3515
Delta R.T. -0.012 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:264 Resp: 410471
Ion Ratio Lower Upper
264 100
260 24.6 19.4 29.2
265 23.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.123 ng

RT: 26.133 min Scan# 3948

Delta R.T. -0.029 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

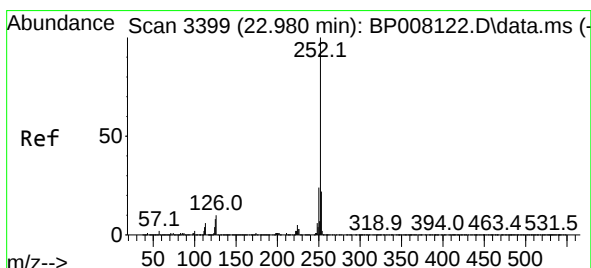
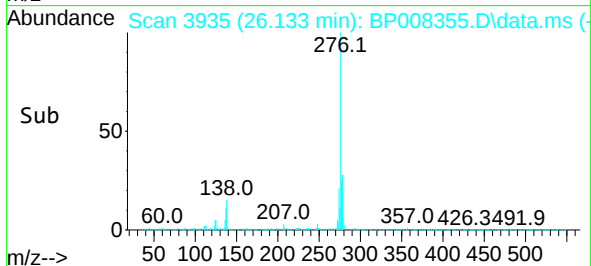
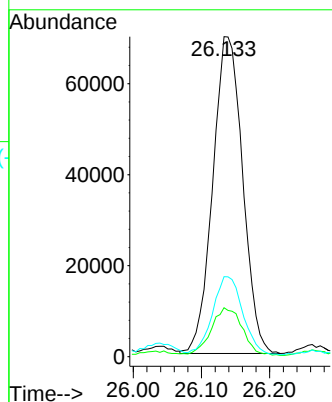
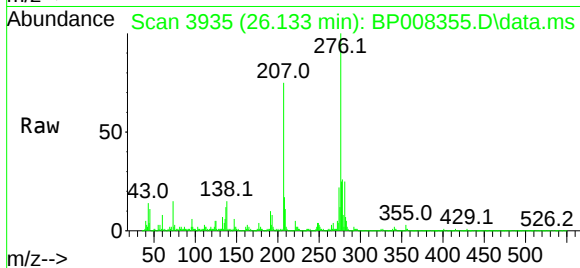
Tgt Ion:276 Resp: 212717

Ion Ratio Lower Upper

276 100

138 15.6 16.6 25.0#

277 24.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 19.712 ng

RT: 22.945 min Scan# 3393

Delta R.T. 0.000 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

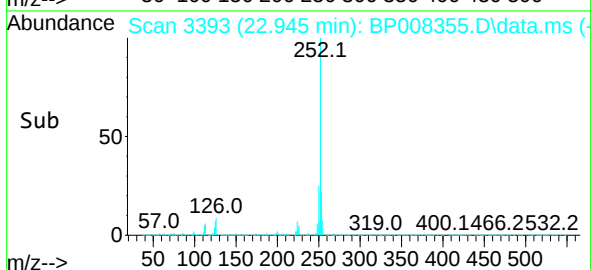
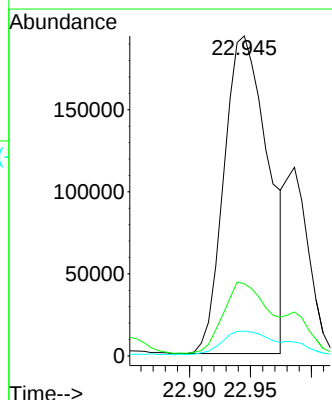
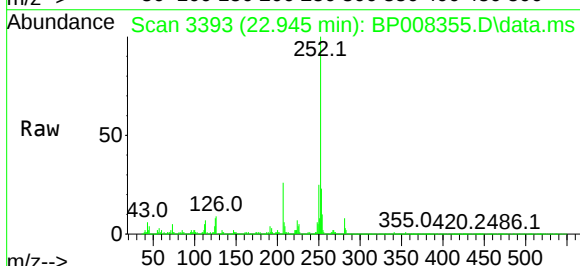
Tgt Ion:252 Resp: 487779

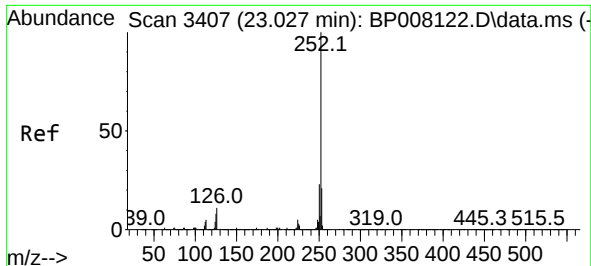
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 7.7 6.2 9.4

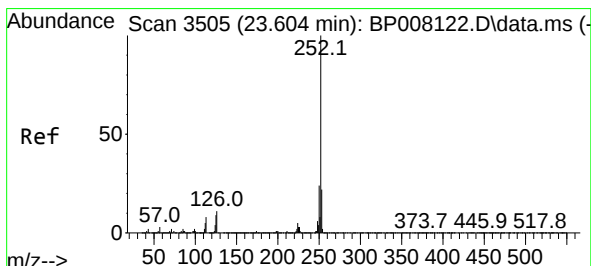
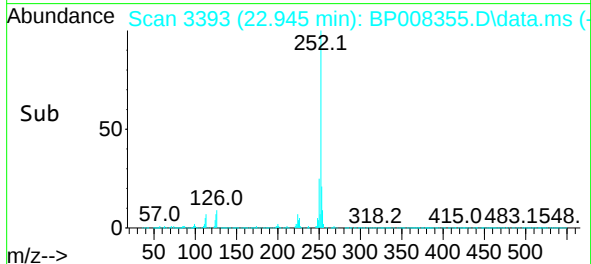
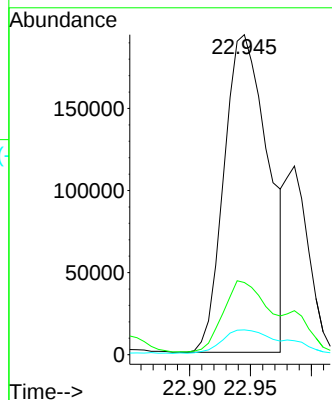
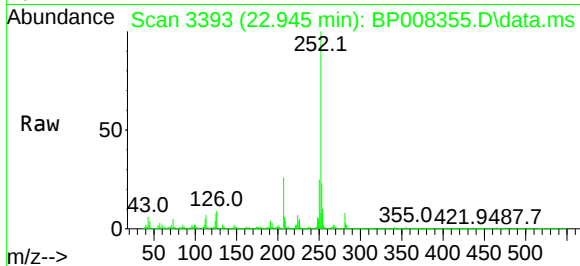




#89
Benzo(k)fluoranthene
Concen: 20.135 ng
RT: 22.945 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

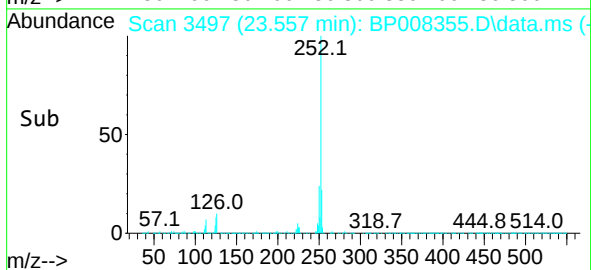
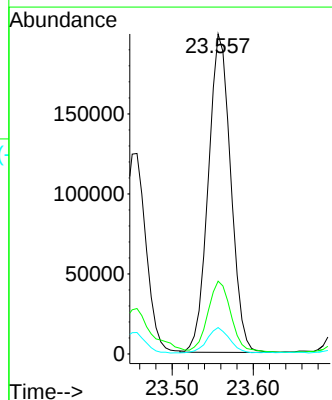
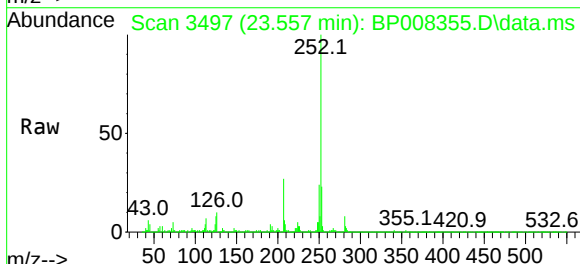
Instrument :
BNA_P
ClientSampleId :
P5-COMP

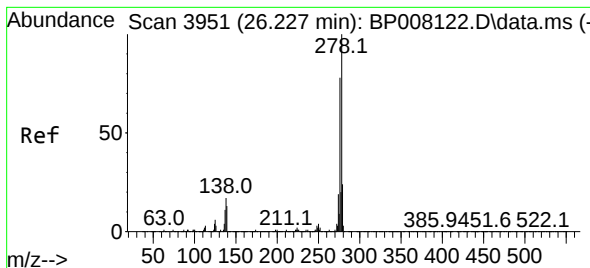
Tgt Ion:252 Resp: 487779
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 7.7 6.5 9.7



#90
Benzo(a)pyrene
Concen: 18.065 ng
RT: 23.557 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BP008355.D
Acq: 10 Dec 2021 23:22

Tgt Ion:252 Resp: 382056
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 8.3 7.4 11.0





#91

Dibenzo(a,h)anthracene

Concen: 2.775 ng

RT: 26.139 min Scan# 3951

Delta R.T. -0.029 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Instrument :

BNA_P

ClientSampleId :

P5-COMP

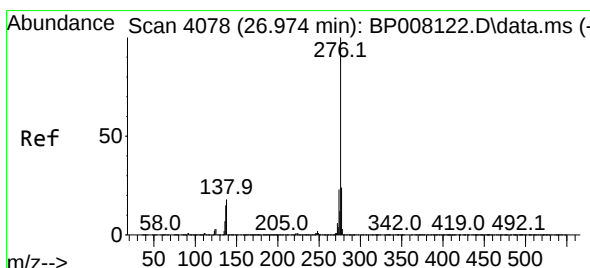
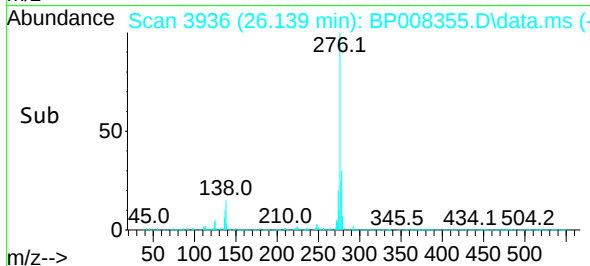
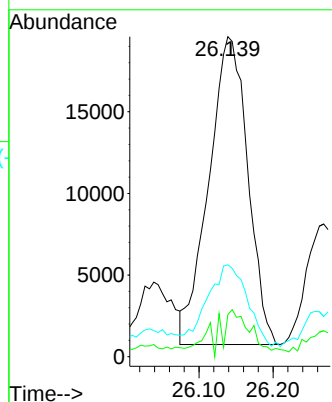
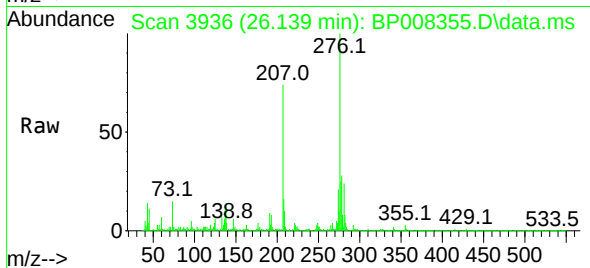
Tgt Ion:278 Resp: 68814

Ion Ratio Lower Upper

278 100

139 13.1 10.8 16.2

279 28.7 19.1 28.7#



#92

Benzo(g,h,i)perylene

Concen: 8.119 ng

RT: 26.909 min Scan# 4067

Delta R.T. -0.012 min

Lab File: BP008355.D

Acq: 10 Dec 2021 23:22

Tgt Ion:276 Resp: 203141

Ion Ratio Lower Upper

276 100

277 23.9 20.0 30.0

138 15.9 14.1 21.1

