

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
 Data File : BP008352.D
 Acq On : 10 Dec 2021 21:40
 Operator : CG/JU
 Sample : M4966-29
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P4-COMP

Quant Time: Dec 11 04:01:50 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)

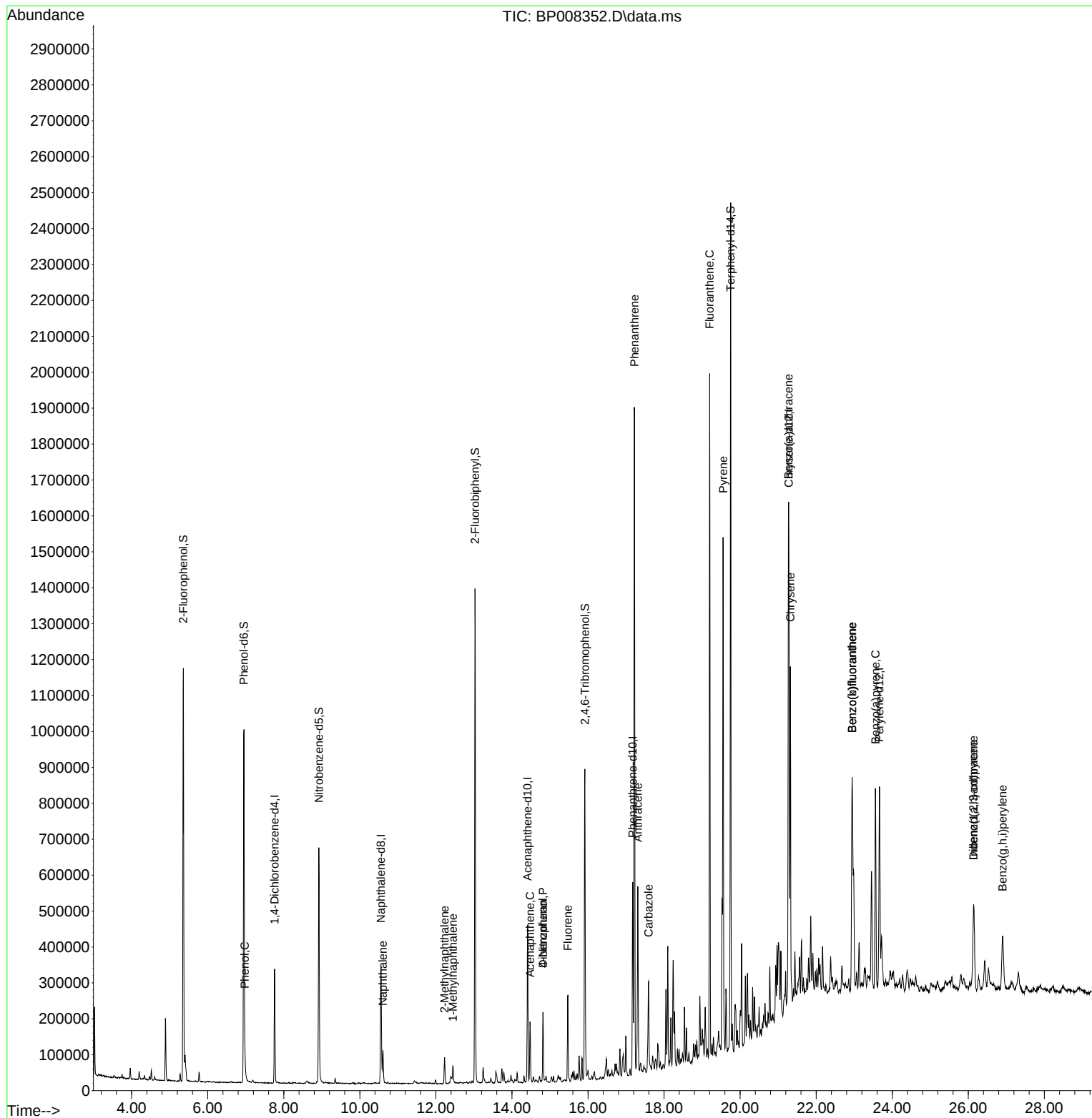
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.758	152	77306	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	259332	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	141663	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	303305	20.000	ng	0.00
76) Chrysene-d12	21.280	240	377932	20.000	ng	0.00
86) Perylene-d12	23.663	264	416281	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	457141	95.211	ng	0.00
7) Phenol-d6	6.952	99	565360	87.227	ng	0.00
23) Nitrobenzene-d5	8.922	82	397258	69.658	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	148163	81.827	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	668500	68.544	ng	0.00
79) Terphenyl-d14	19.751	244	1048512	57.982	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.881	77	218	Below Cal	#	26
10) Phenol	6.975	94	14902	2.237	ng	# 73
31) Naphthalene	10.605	128	71001	5.345	ng	98
37) 2-Methylnaphthalene	12.228	142	33573	3.573	ng	97
38) 1-Methylnaphthalene	12.446	142	19974	2.184	ng	# 97
52) Acenaphthene	14.475	154	57044	7.644	ng	99
55) Dibenzofuran	14.816	168	109817	8.611	ng	99
56) 4-Nitrophenol	14.816	139	42794	24.954	ng	# 1
58) Fluorene	15.469	166	97751	9.434	ng	99
71) Phenanthrene	17.222	178	1105989	69.064	ng	99
72) Anthracene	17.310	178	293695	18.480	ng	98
73) Carbazole	17.592	167	156629	10.096	ng	99
75) Fluoranthene	19.198	202	1049498	48.649	ng	99
78) Pyrene	19.551	202	859798	35.578	ng	100
81) Benzo(a)anthracene	21.269	228	614415	24.530	ng	100
83) Chrysene	21.322	228	489992	20.558	ng	96
87) Indeno(1,2,3-cd)pyrene	26.139	276	244060	8.059	ng	# 95
88) Benzo(b)fluoranthene	22.945	252	569941	22.711	ng	98
89) Benzo(k)fluoranthene	22.945	252	569941	23.198	ng	97
90) Benzo(a)pyrene	23.557	252	431685	20.127	ng	99
91) Dibenzo(a,h)anthracene	26.139	278	82404	3.276	ng	# 88
92) Benzo(g,h,i)perylene	26.904	276	207960	8.196	ng	98

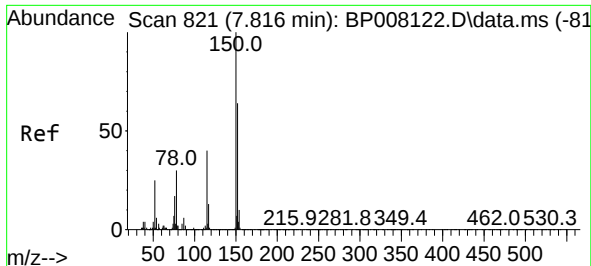
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 11 03:53:01 2021
Response via : Initial Calibration

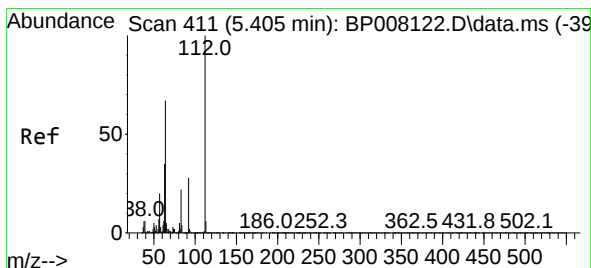
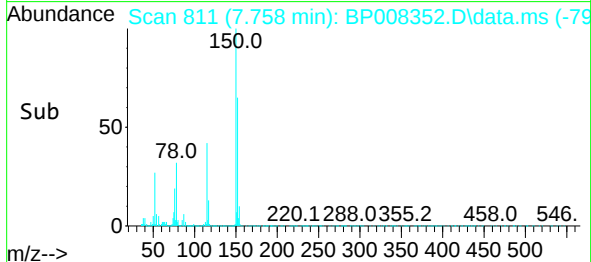
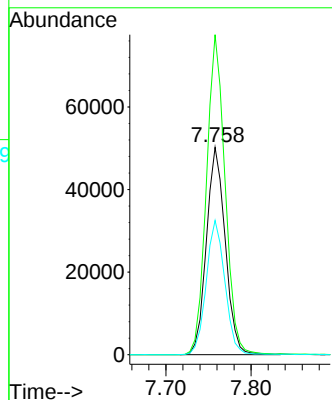
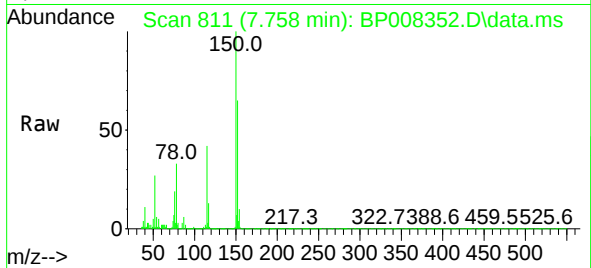




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.758 min Scan# 81
 Delta R.T. -0.005 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

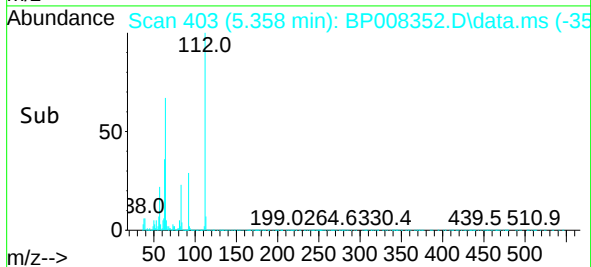
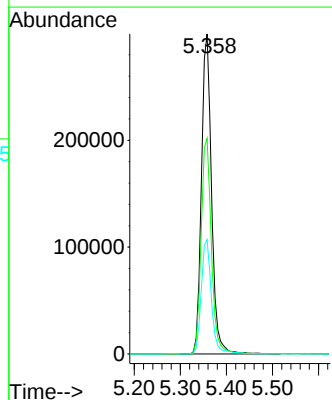
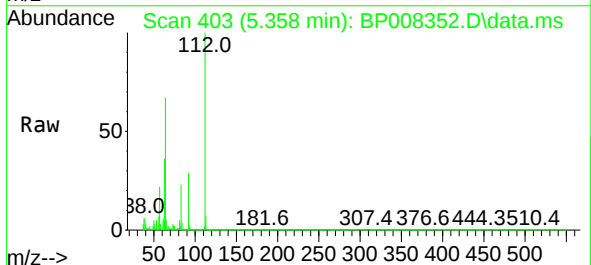
Instrument :
 BNA_P
 ClientSampleId :
 P4-COMP

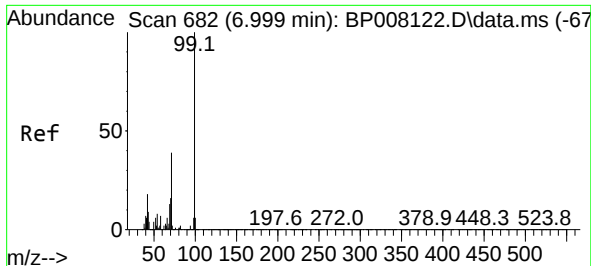
Tgt Ion:152 Resp: 77306
 Ion Ratio Lower Upper
 152 100
 150 154.3 125.7 188.5
 115 64.7 50.7 76.1



#5
 2-Fluorophenol
 Concen: 95.211 ng
 RT: 5.358 min Scan# 403
 Delta R.T. 0.000 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

Tgt Ion:112 Resp: 457141
 Ion Ratio Lower Upper
 112 100
 64 67.3 53.4 80.2
 63 35.7 27.8 41.8

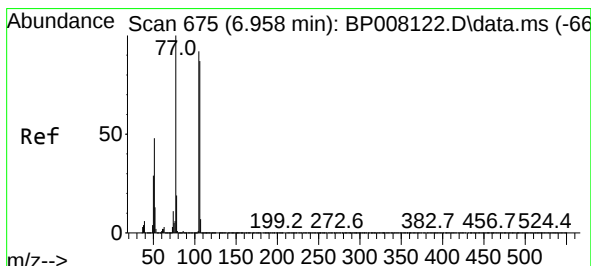
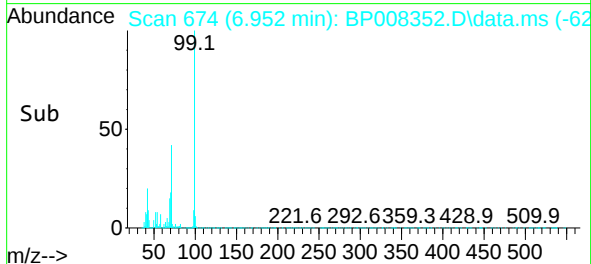
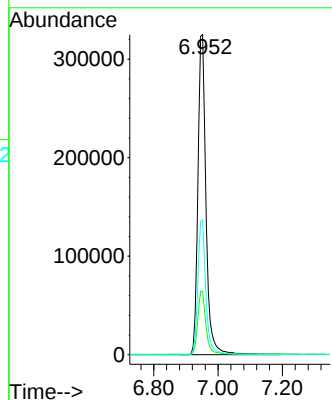
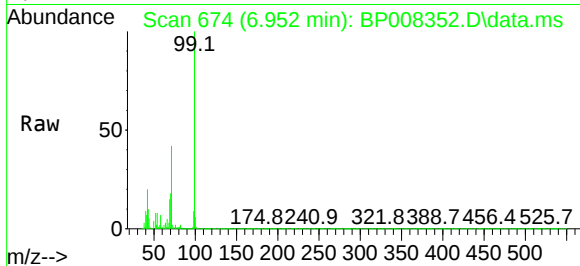




#7
Phenol-d6
Concen: 87.227 ng
RT: 6.952 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

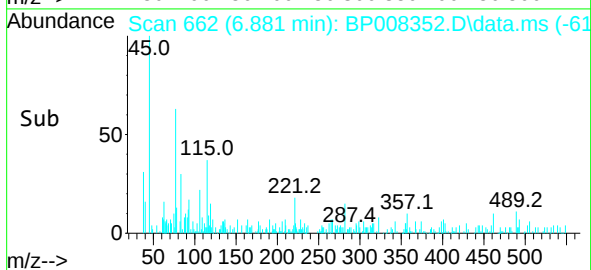
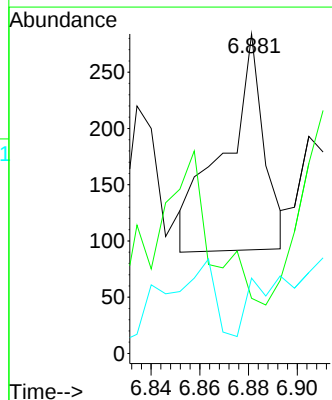
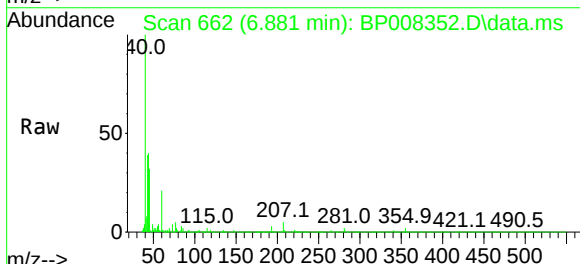
Instrument :
BNA_P
ClientSampleId :
P4-COMP

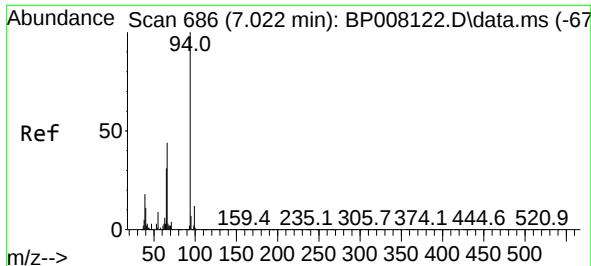
Tgt Ion: 99 Resp: 565360
Ion Ratio Lower Upper
99 100
42 19.8 14.6 22.0
71 42.1 31.1 46.7



#9
Benzaldehyde
Concen: Below Cal
RT: 6.881 min Scan# 662
Delta R.T. -0.029 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion: 77 Resp: 218
Ion Ratio Lower Upper
77 100
105 17.3 71.8 111.8#
106 23.6 67.3 107.3#

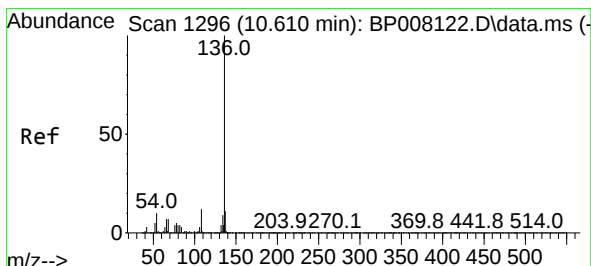
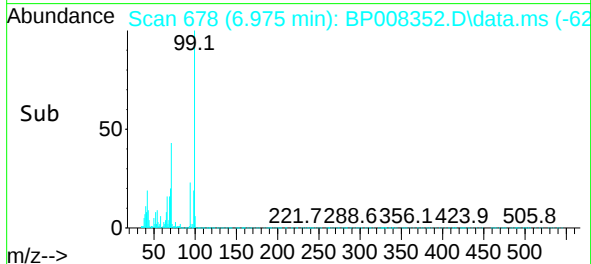
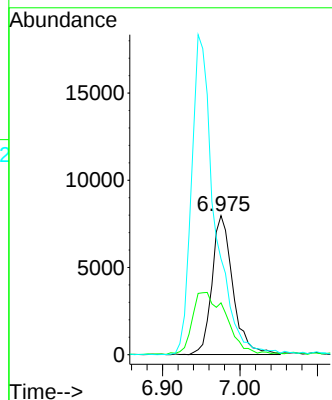
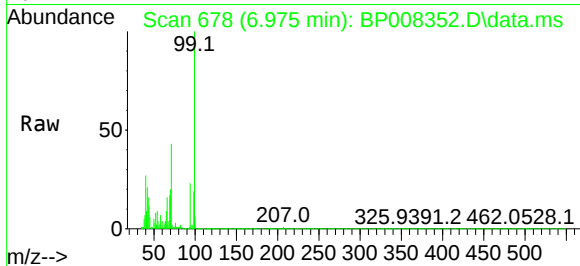




#10
Phenol
Concen: 2.237 ng
RT: 6.975 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

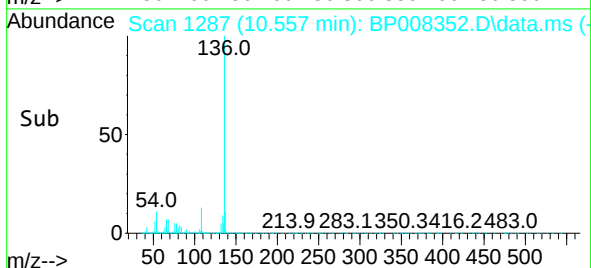
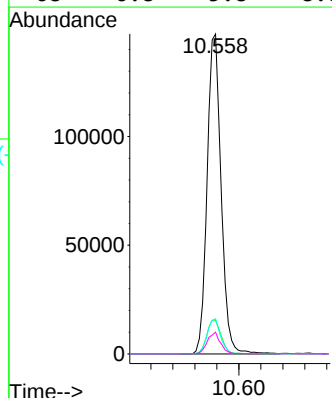
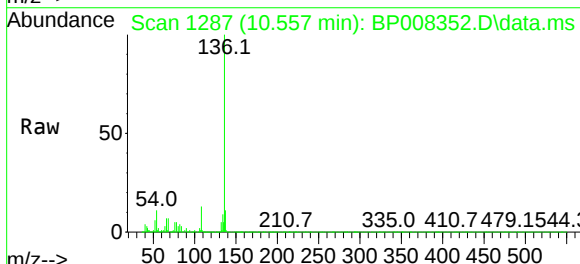
Instrument :
BNA_P
ClientSampleId :
P4-COMP

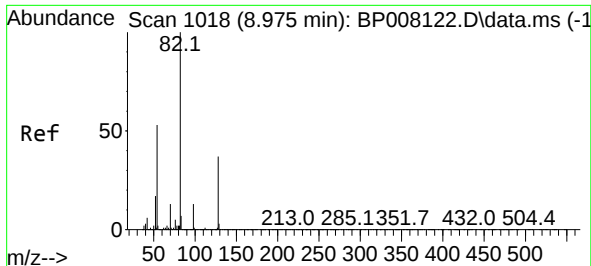
Tgt Ion: 94 Resp: 14902
Ion Ratio Lower Upper
94 100
65 37.3 10.9 50.9
66 68.9 24.3 64.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:136 Resp: 259332
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 11.0 8.2 12.4
68 6.8 5.8 8.8

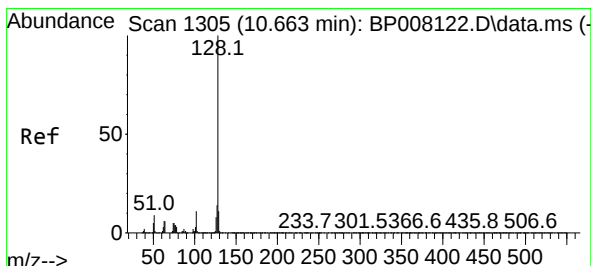
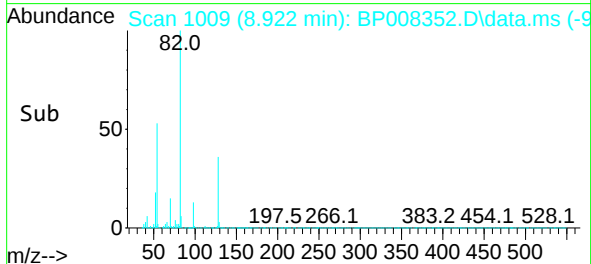
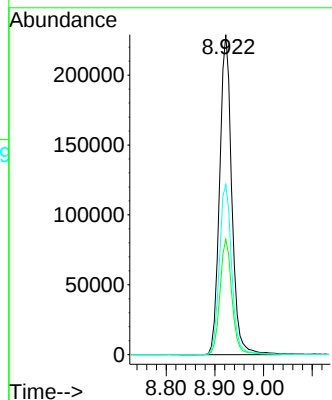
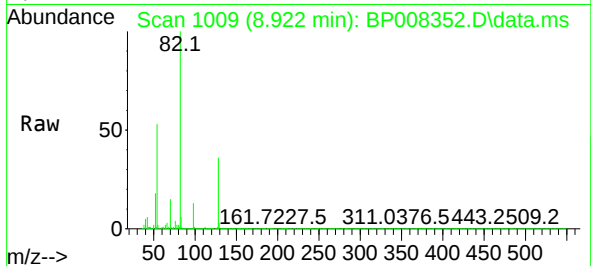




#23
Nitrobenzene-d5
Concen: 69.658 ng
RT: 8.922 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

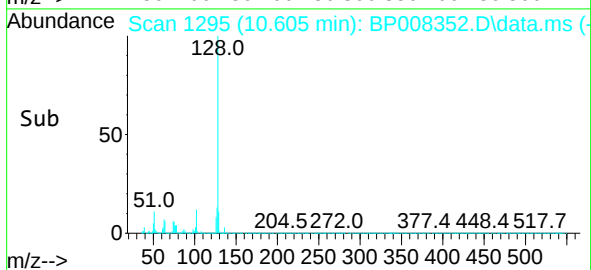
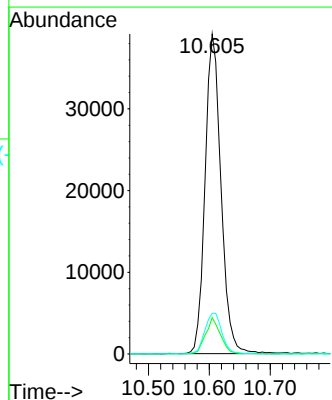
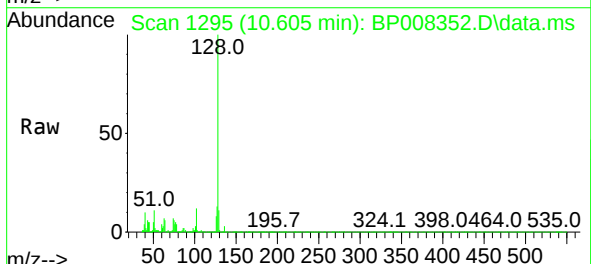
Instrument :
BNA_P
ClientSampleId :
P4-COMP

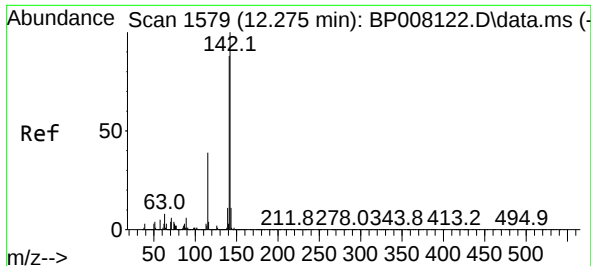
Tgt Ion: 82 Resp: 397258
Ion Ratio Lower Upper
82 100
128 36.1 29.6 44.4
54 53.2 42.7 64.1



#31
Naphthalene
Concen: 5.345 ng
RT: 10.605 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion: 128 Resp: 71001
Ion Ratio Lower Upper
128 100
129 11.3 8.5 12.7
127 12.7 10.9 16.3

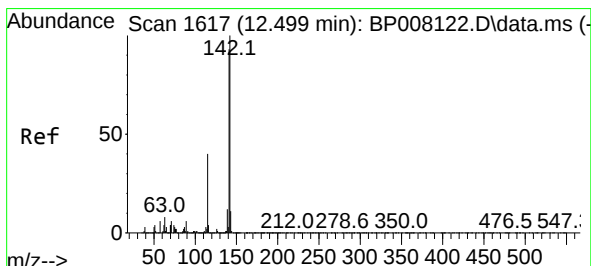
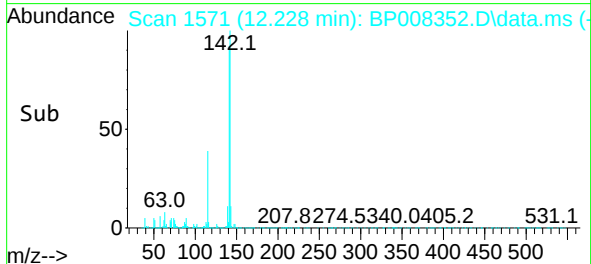
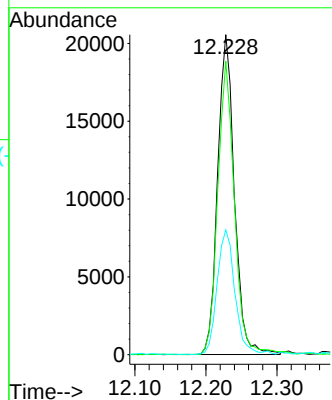
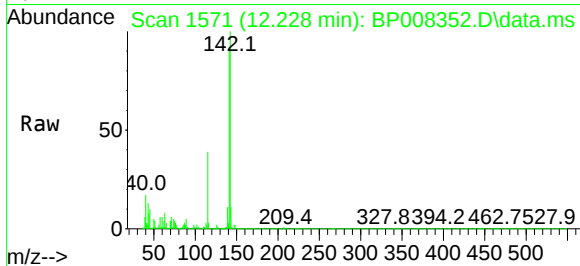




#37
2-Methylnaphthalene
Concen: 3.573 ng
RT: 12.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

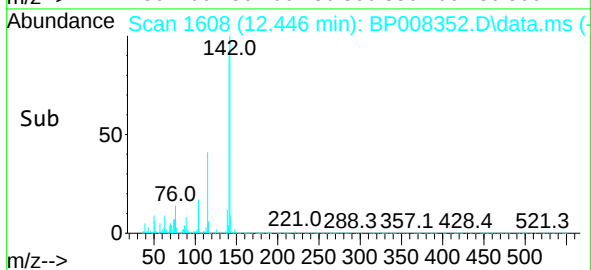
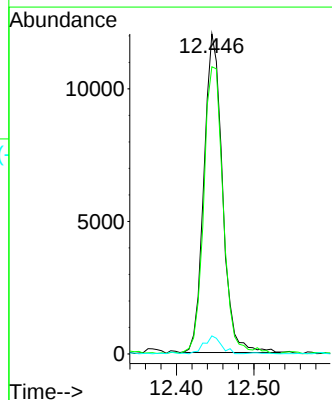
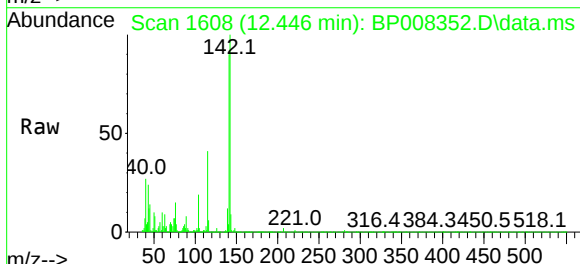
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ClientSampleId :
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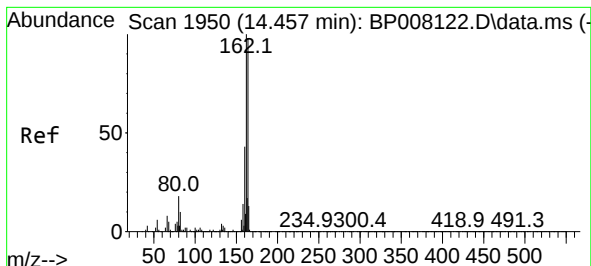
Tgt Ion:142 Resp: 33573
Ion Ratio Lower Upper
142 100
141 91.7 70.7 106.1
115 39.0 30.9 46.3



#38
1-Methylnaphthalene
Concen: 2.184 ng
RT: 12.446 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:142 Resp: 19974
Ion Ratio Lower Upper
142 100
141 89.8 74.2 111.4
116 5.6 3.4 5.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.006 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

Instrument :

BNA_P

ClientSampleId :

P4-COMP

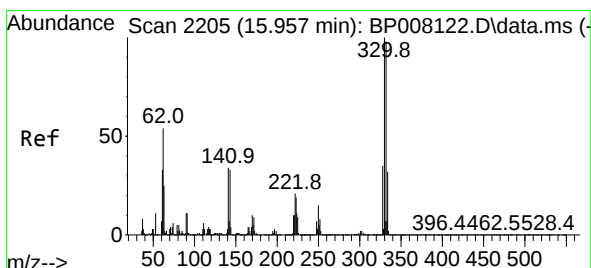
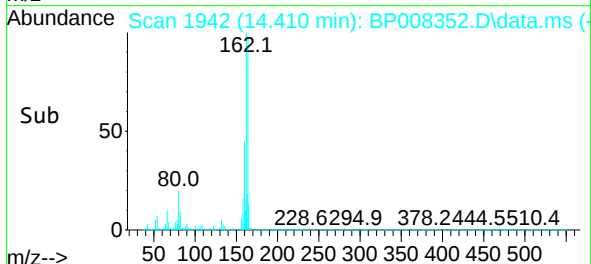
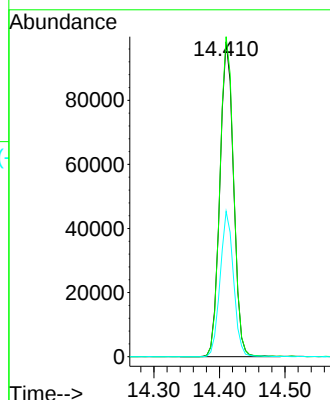
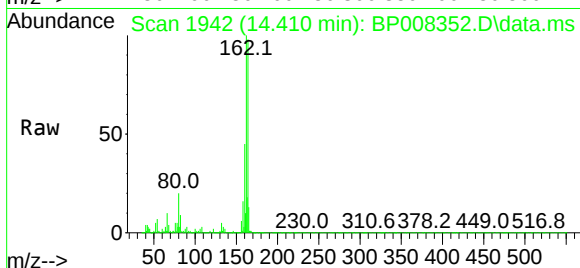
Tgt Ion:164 Resp: 141663

Ion Ratio Lower Upper

164 100

162 101.6 81.9 122.9

160 46.1 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 81.827 ng

RT: 15.916 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

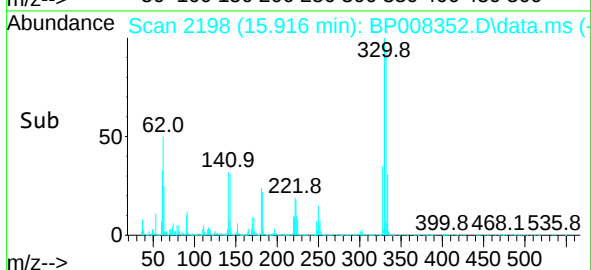
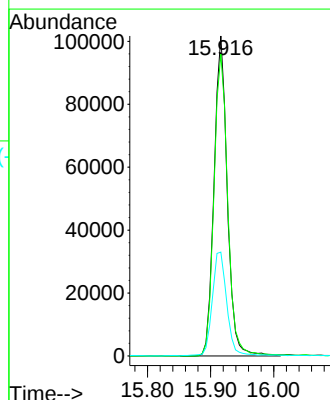
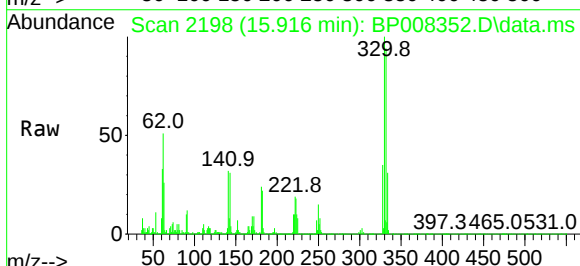
Tgt Ion:330 Resp: 148163

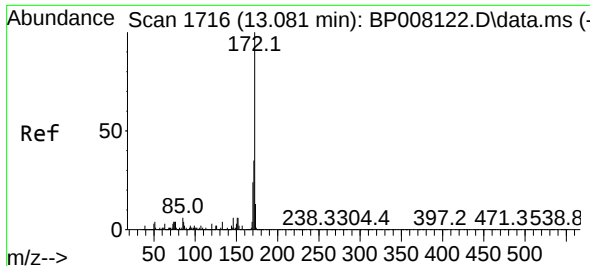
Ion Ratio Lower Upper

330 100

332 98.2 77.0 115.4

141 35.6 28.4 42.6

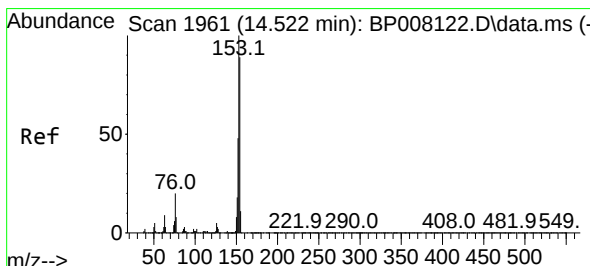
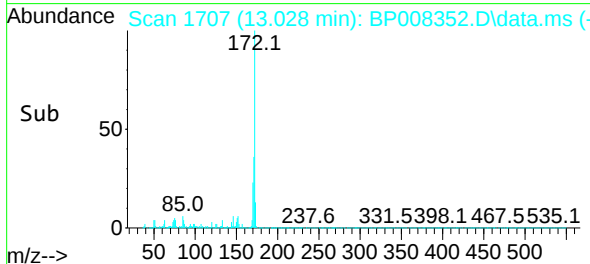
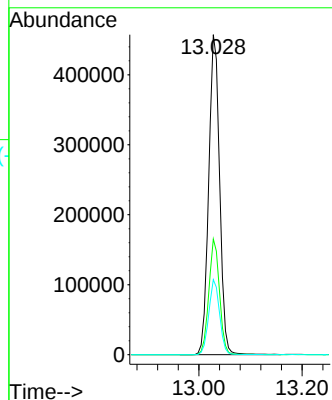
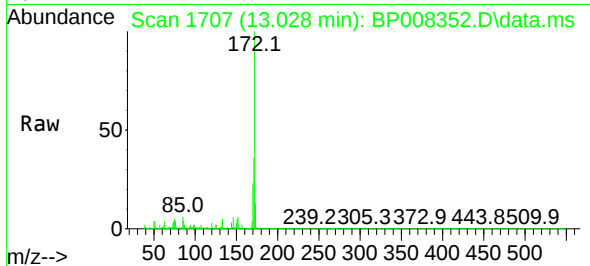




#45
2-Fluorobiphenyl
Concen: 68.544 ng
RT: 13.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

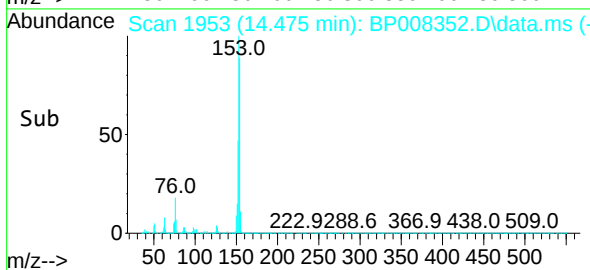
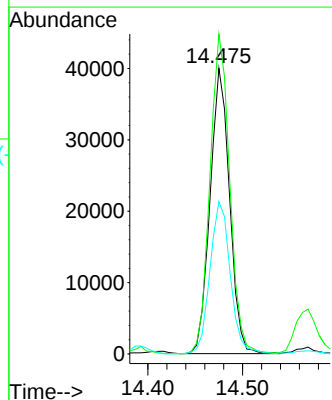
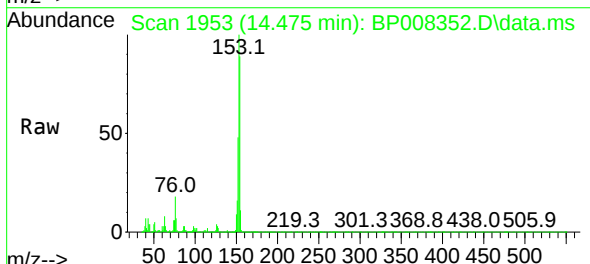
Instrument :
BNA_P
ClientSampleId :
P4-COMP

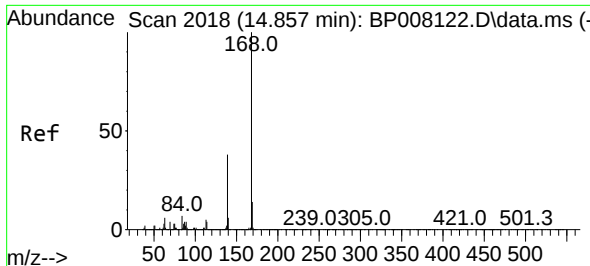
Tgt Ion:172 Resp: 668500
Ion Ratio Lower Upper
172 100
171 36.2 28.0 42.0
170 23.5 18.9 28.3



#52
Acenaphthene
Concen: 7.644 ng
RT: 14.475 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:154 Resp: 57044
Ion Ratio Lower Upper
154 100
153 112.0 90.3 135.5
152 53.3 43.3 64.9

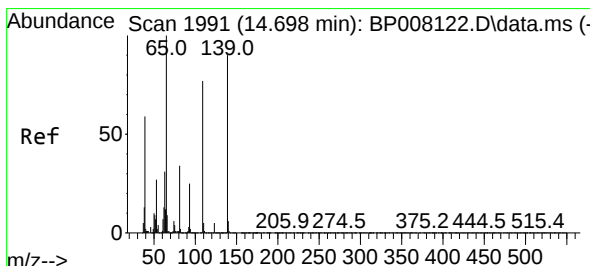
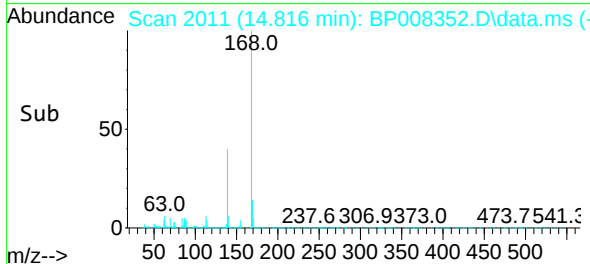
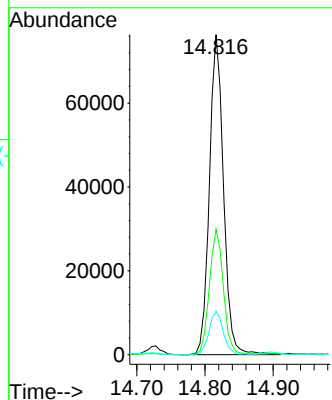
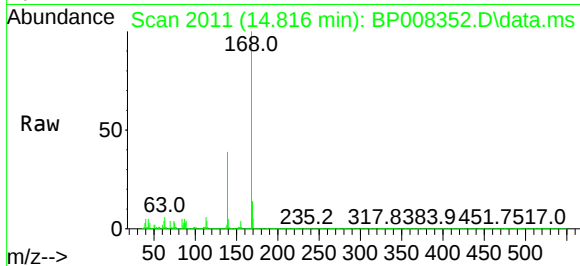




#55
Dibenzenofuran
Concen: 8.611 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

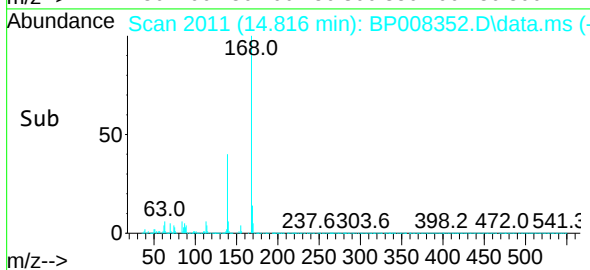
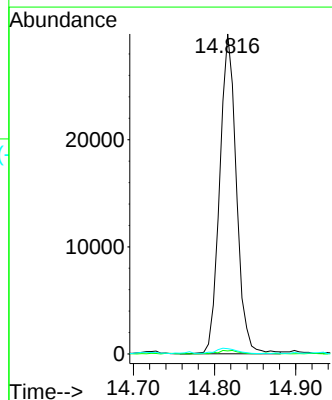
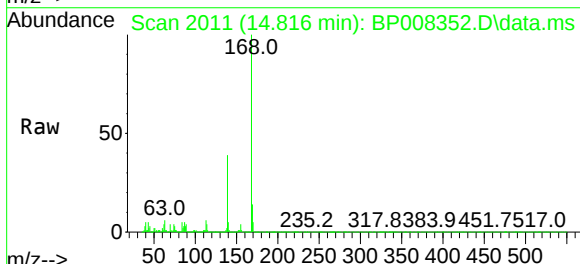
Instrument :
BNA_P
ClientSampleId :
P4-COMP

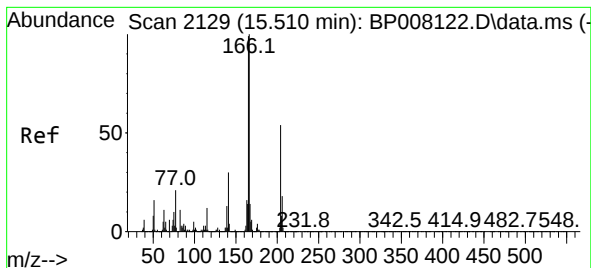
Tgt Ion:168 Resp: 109817
Ion Ratio Lower Upper
168 100
139 39.1 30.6 46.0
169 13.7 11.0 16.4



#56
4-Nitrophenol
Concen: 24.954 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.135 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:139 Resp: 42794
Ion Ratio Lower Upper
139 100
109 1.0 65.9 105.9#
65 1.6 91.9 131.9#





#58

Fluorene

Concen: 9.434 ng

RT: 15.469 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

Instrument :

BNA_P

ClientSampleId :

P4-COMP

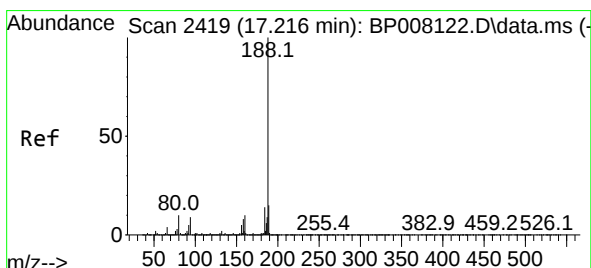
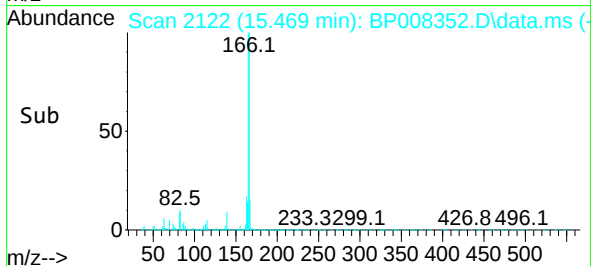
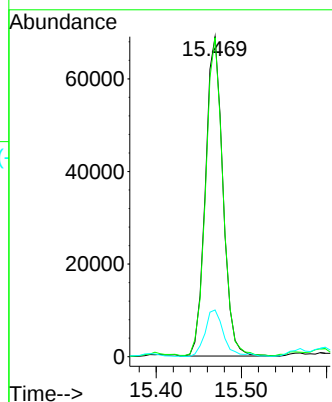
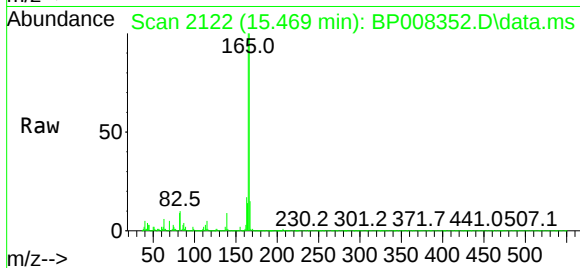
Tgt Ion:166 Resp: 97751

Ion Ratio Lower Upper

166 100

165 99.8 79.4 119.2

167 14.6 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: BP008352.D

Acq: 10 Dec 2021 21:40

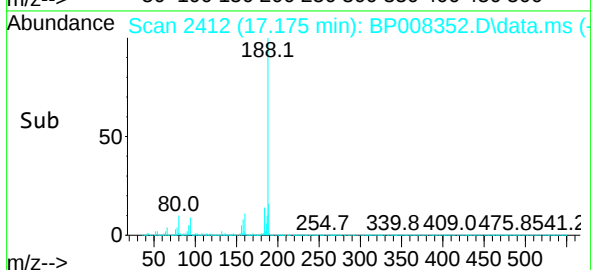
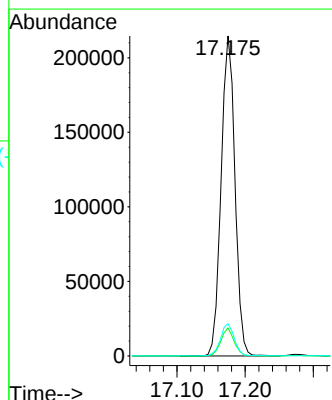
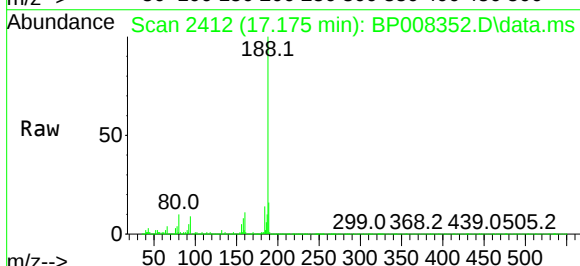
Tgt Ion:188 Resp: 303305

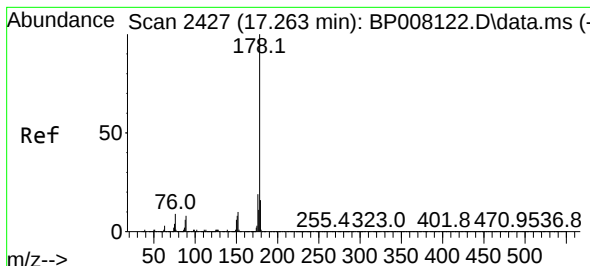
Ion Ratio Lower Upper

188 100

94 8.7 7.2 10.8

80 10.1 8.2 12.4





#71

Phenanthrene

Concen: 69.064 ng

RT: 17.222 min Scan# 24

Delta R.T. 0.000 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

Instrument :

BNA_P

ClientSampleId :

P4-COMP

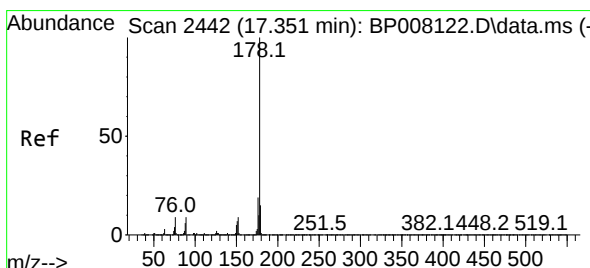
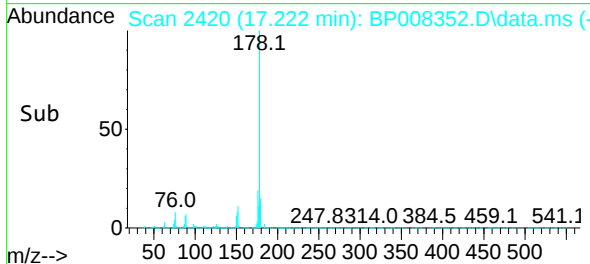
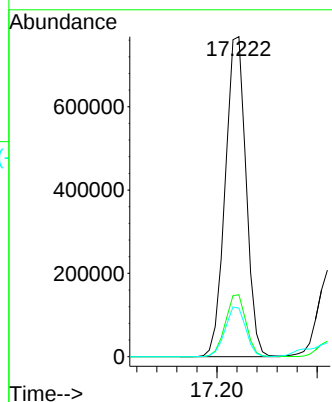
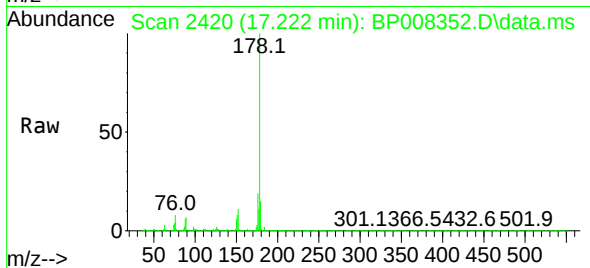
Tgt Ion:178 Resp: 1105989

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 15.2 12.5 18.7



#72

Anthracene

Concen: 18.480 ng

RT: 17.310 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

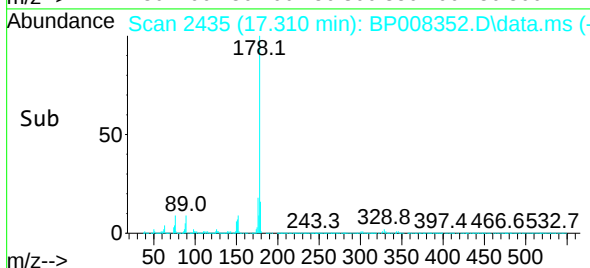
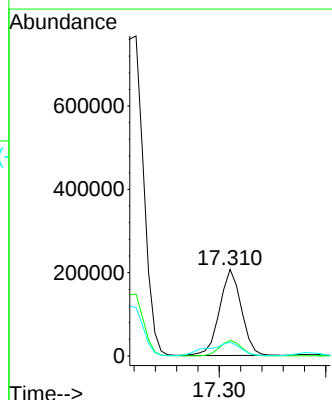
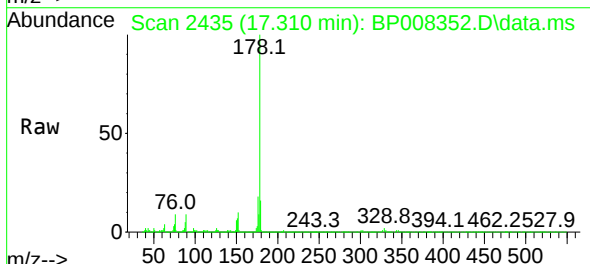
Tgt Ion:178 Resp: 293695

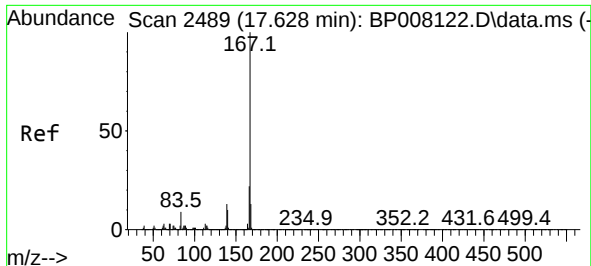
Ion Ratio Lower Upper

178 100

176 17.9 15.1 22.7

179 16.0 12.3 18.5

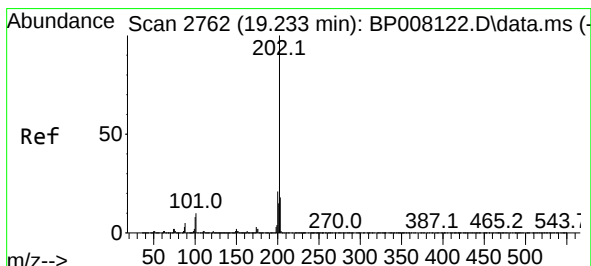
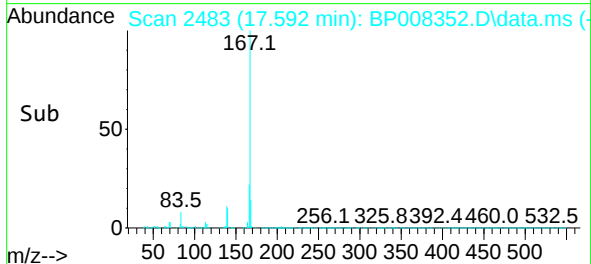
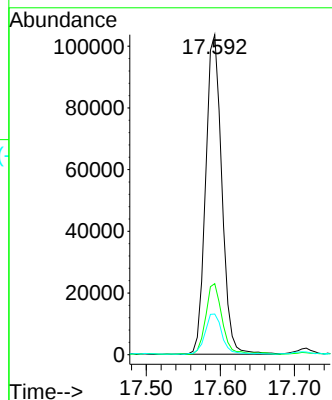
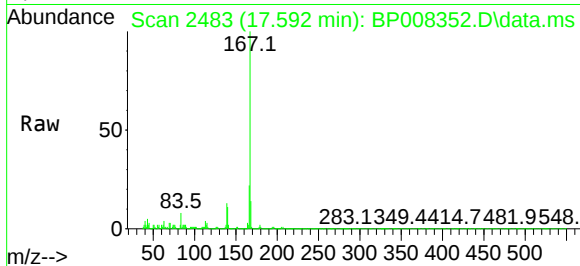




#73
 Carbazole
 Concen: 10.096 ng
 RT: 17.592 min Scan# 24
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

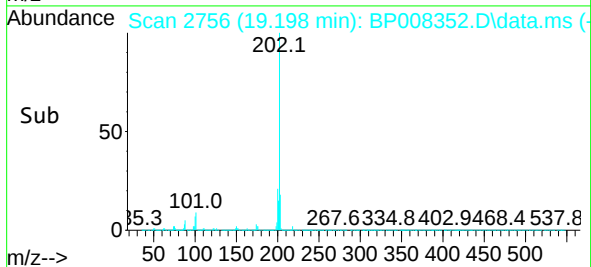
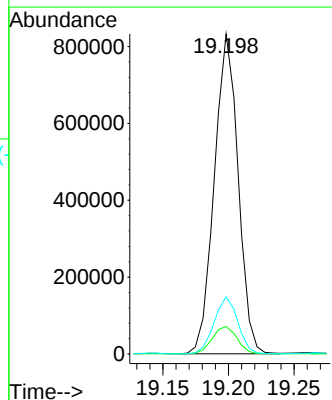
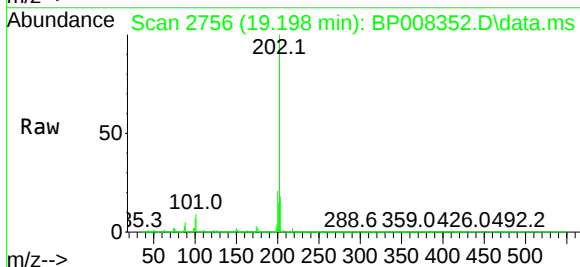
Instrument :
 BNA_P
 ClientSampleId :
 P4-COMP

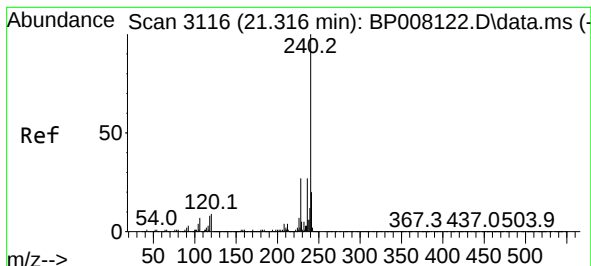
Tgt Ion:167 Resp: 156629
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 12.7 10.2 15.2



#75
 Fluoranthene
 Concen: 48.649 ng
 RT: 19.198 min Scan# 2756
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

Tgt Ion:202 Resp: 1049498
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 29.8
 203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.280 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

Instrument :

BNA_P

ClientSampleId :

P4-COMP

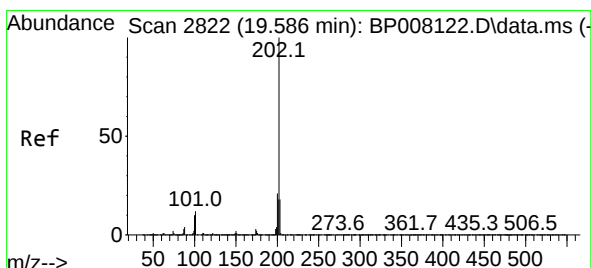
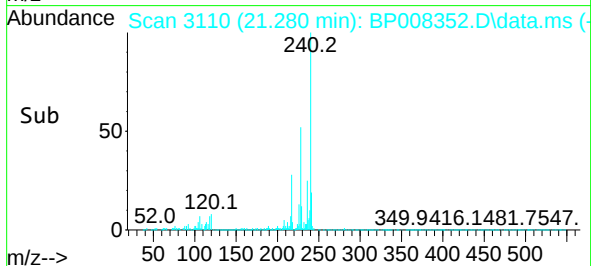
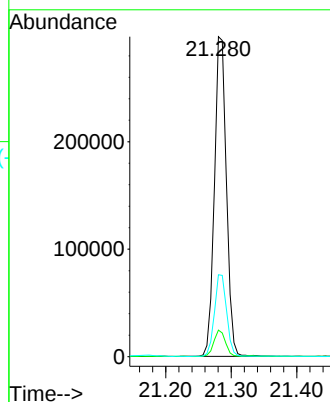
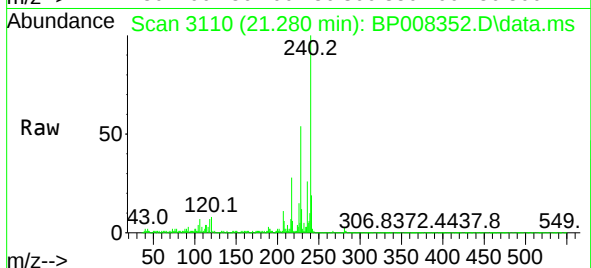
Tgt Ion:240 Resp: 377932

Ion Ratio Lower Upper

240 100

120 8.3 7.3 10.9

236 25.6 21.4 32.2



#78

Pyrene

Concen: 35.578 ng

RT: 19.551 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

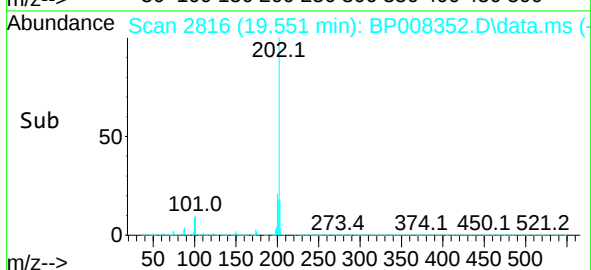
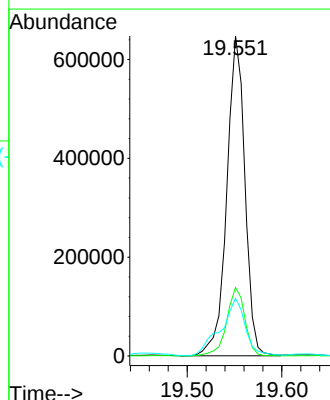
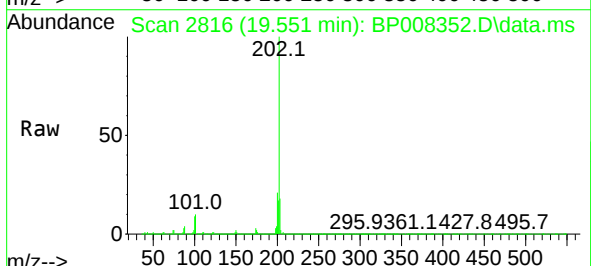
Tgt Ion:202 Resp: 859798

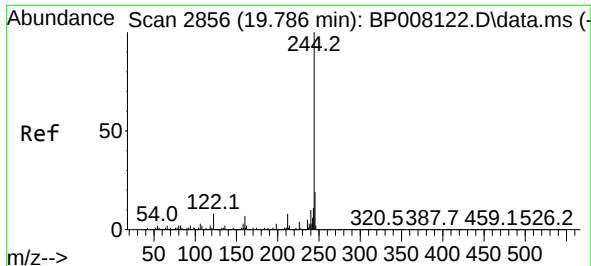
Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 18.0 14.2 21.2

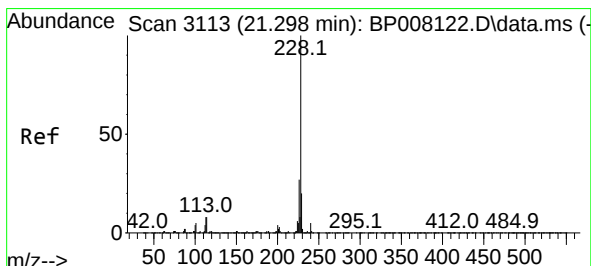
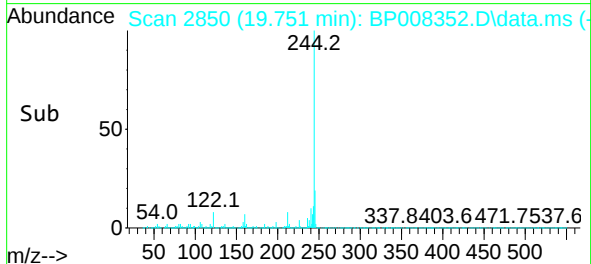
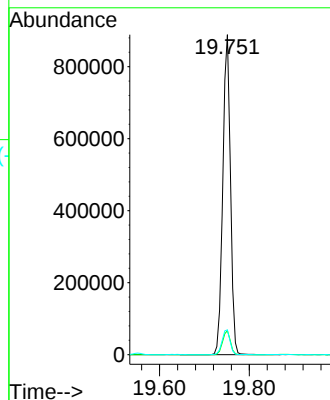
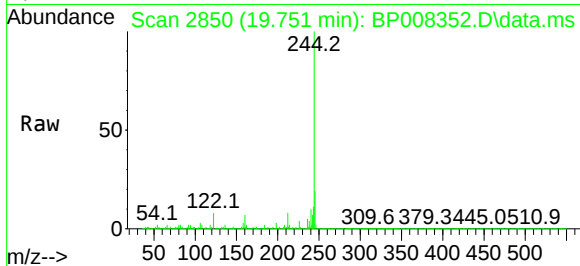




#79
 Terphenyl-d14
 Concen: 57.982 ng
 RT: 19.751 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

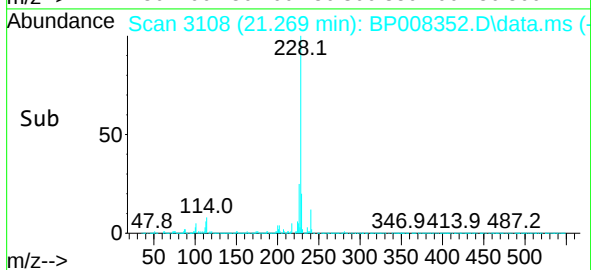
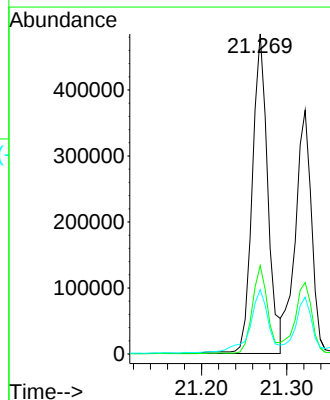
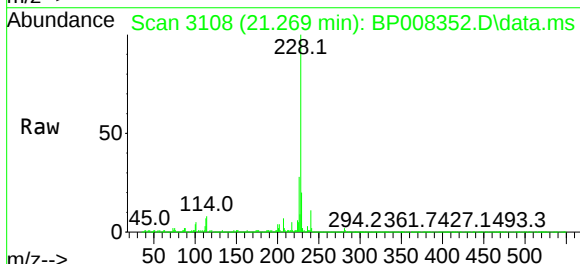
Instrument :
 BNA_P
 ClientSampleId :
 P4-COMP

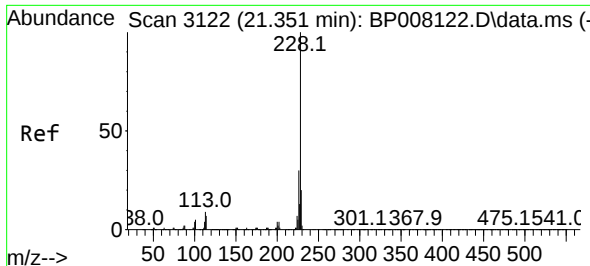
Tgt Ion:244 Resp: 1048512
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 7.8 6.6 9.8



#81
 Benzo(a)anthracene
 Concen: 24.530 ng
 RT: 21.269 min Scan# 3108
 Delta R.T. -0.006 min
 Lab File: BP008352.D
 Acq: 10 Dec 2021 21:40

Tgt Ion:228 Resp: 614415
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.9 32.9
 229 20.1 15.9 23.9

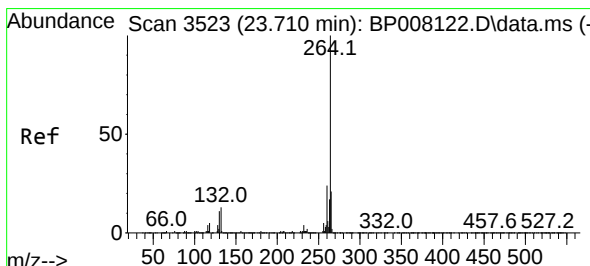
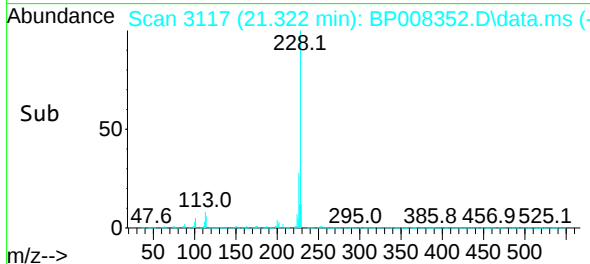
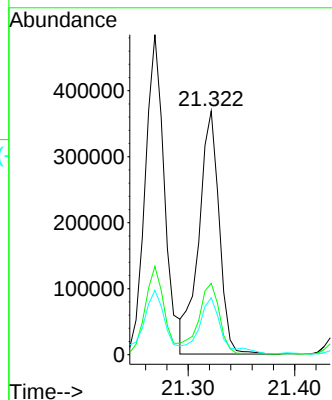
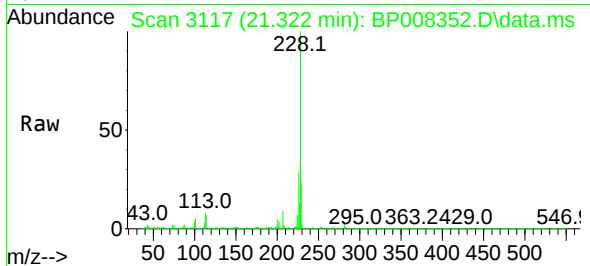




#83
Chrysene
Concen: 20.558 ng
RT: 21.322 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

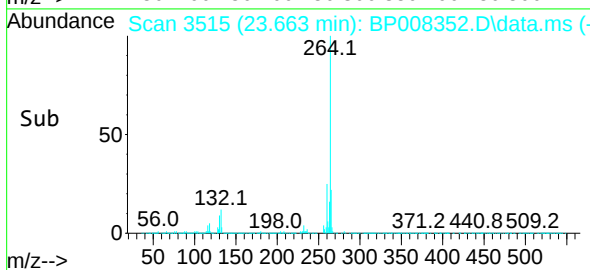
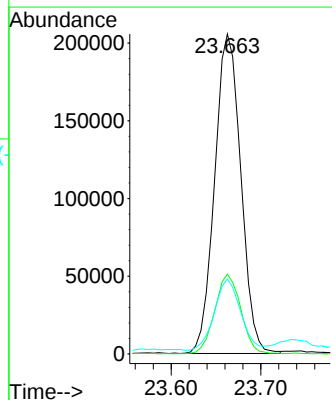
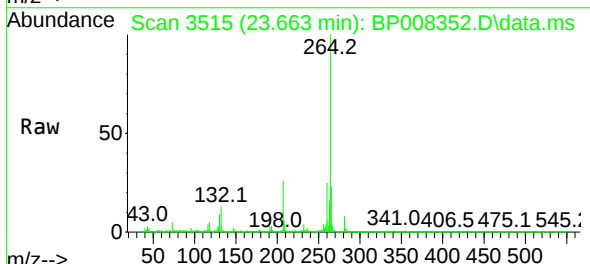
Instrument :
BNA_P
ClientSampleId :
P4-COMP

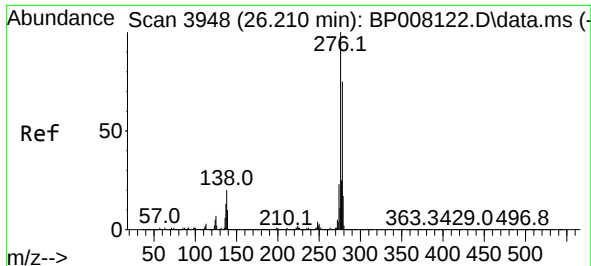
Tgt Ion:228 Resp: 489992
Ion Ratio Lower Upper
228 100
226 29.3 24.0 36.0
229 23.3 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.663 min Scan# 3515
Delta R.T. -0.012 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:264 Resp: 416281
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 23.4 17.6 26.4

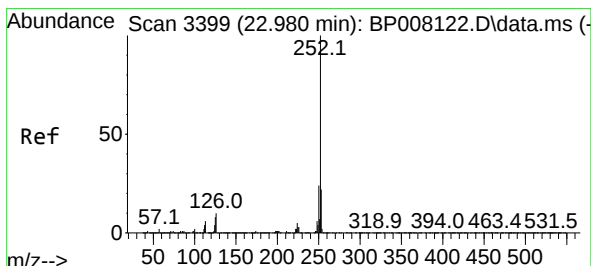
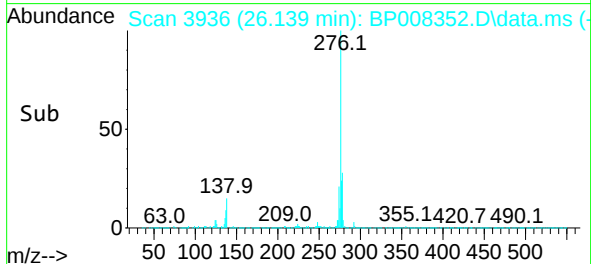
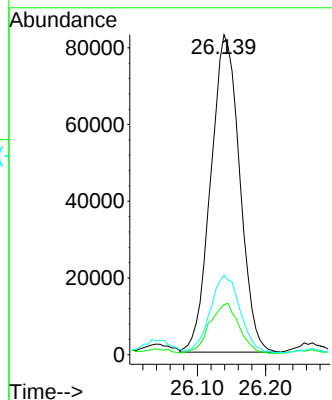
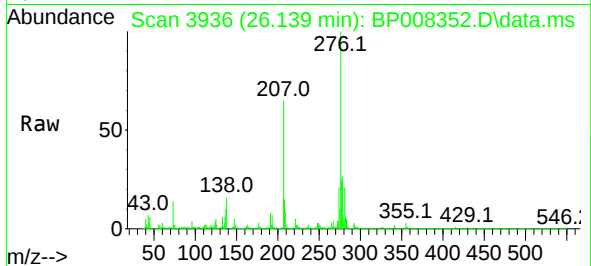




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.059 ng
RT: 26.139 min Scan# 3948
Delta R.T. -0.023 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

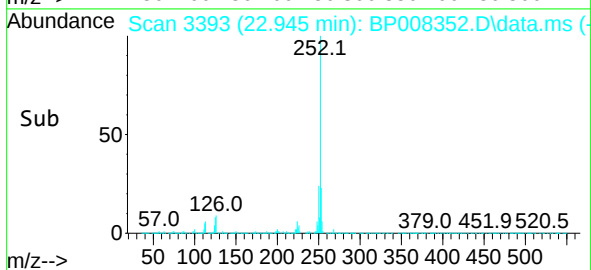
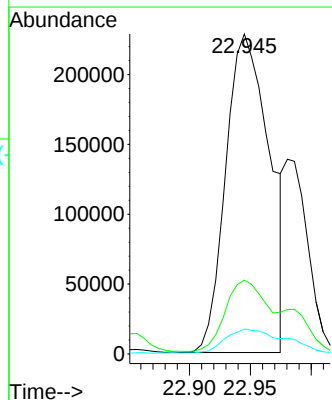
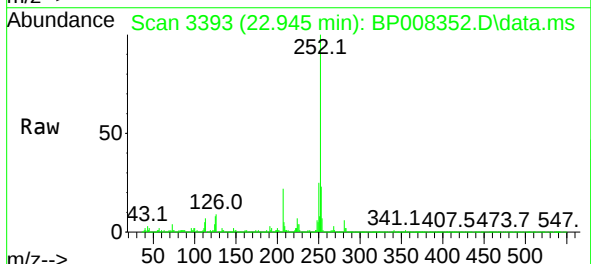
Instrument :
BNA_P
ClientSampleId :
P4-COMP

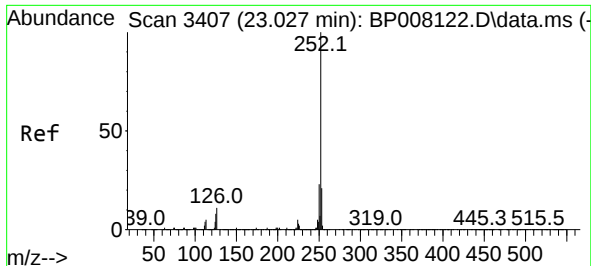
Tgt Ion:276 Resp: 244060
Ion Ratio Lower Upper
276 100
138 16.1 16.6 25.0#
277 25.2 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 22.711 ng
RT: 22.945 min Scan# 3393
Delta R.T. 0.000 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:252 Resp: 569941
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 7.8 6.2 9.4

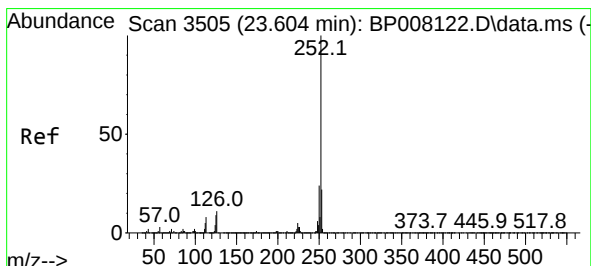
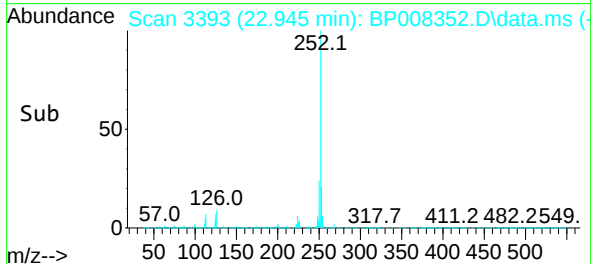
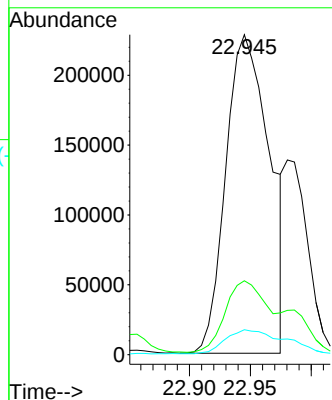
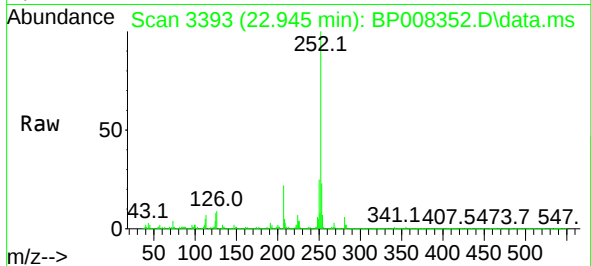




#89
Benzo(k)fluoranthene
Concen: 23.198 ng
RT: 22.945 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

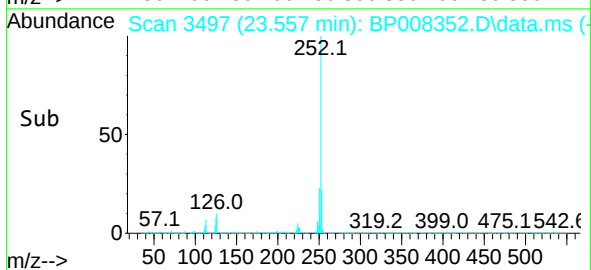
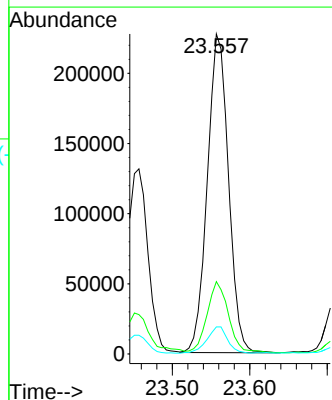
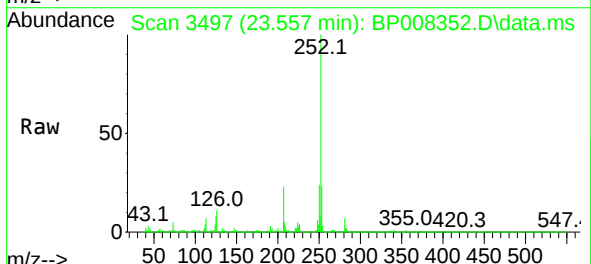
Instrument :
BNA_P
ClientSampleId :
P4-COMP

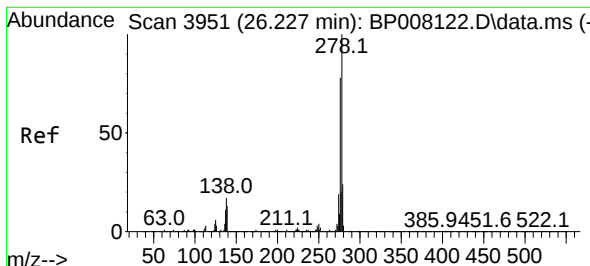
Tgt Ion:252 Resp: 569941
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 7.8 6.5 9.7



#90
Benzo(a)pyrene
Concen: 20.127 ng
RT: 23.557 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BP008352.D
Acq: 10 Dec 2021 21:40

Tgt Ion:252 Resp: 431685
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 8.4 7.4 11.0





#91

Dibenzo(a,h)anthracene

Concen: 3.276 ng

RT: 26.139 min Scan# 3951

Delta R.T. -0.029 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

Instrument :

BNA_P

ClientSampleId :

P4-COMP

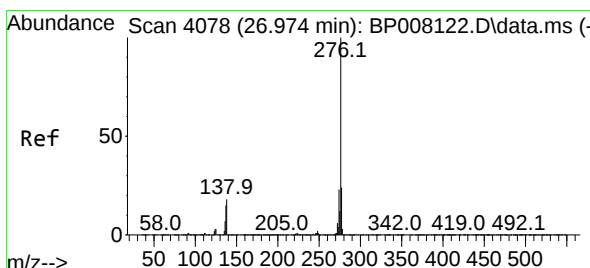
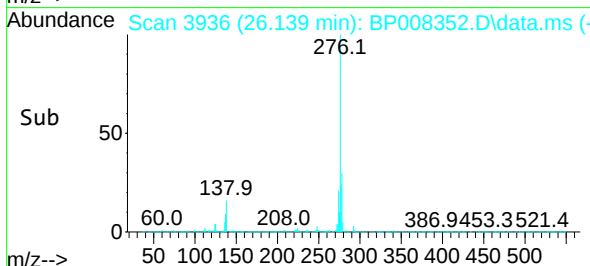
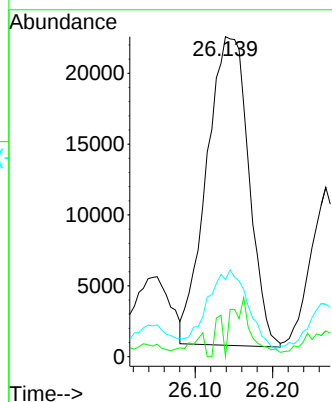
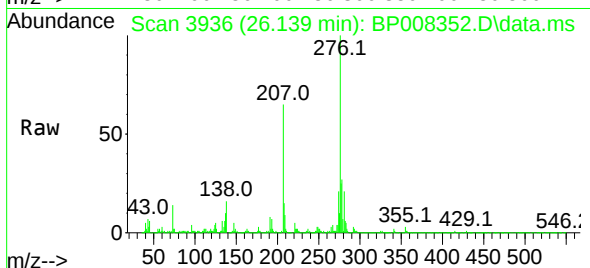
Tgt Ion:278 Resp: 82404

Ion Ratio Lower Upper

278 100

139 0.0 10.8 16.2#

279 24.1 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 8.196 ng

RT: 26.904 min Scan# 4066

Delta R.T. -0.017 min

Lab File: BP008352.D

Acq: 10 Dec 2021 21:40

Tgt Ion:276 Resp: 207960

Ion Ratio Lower Upper

276 100

277 24.9 20.0 30.0

138 15.5 14.1 21.1

