

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008416.D
 Acq On : 15 Dec 2021 14:41
 Operator : CG/JU
 Sample : M5076-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-18-C

Quant Time: Dec 15 15:12:57 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

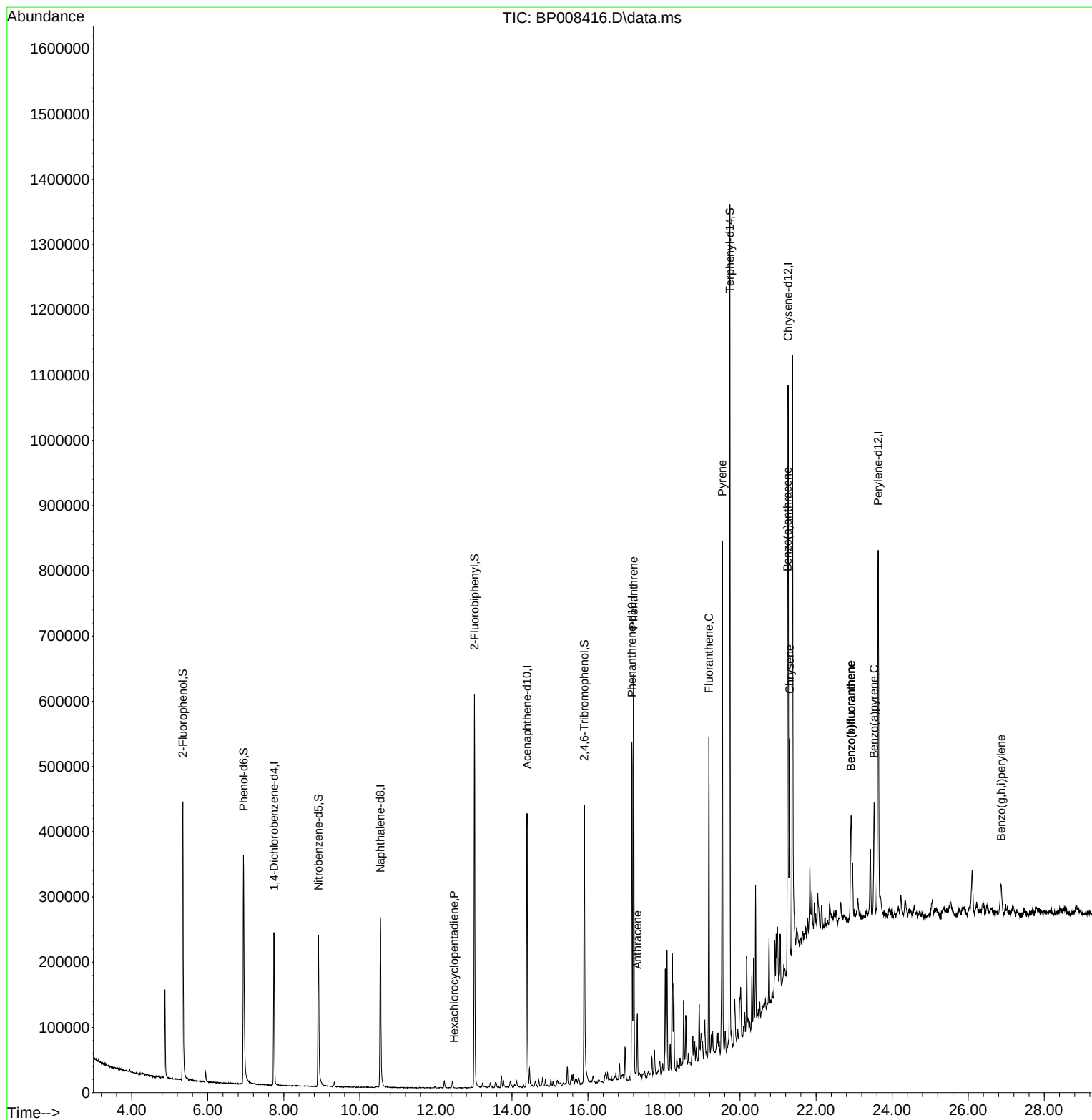
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	61725	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	220853	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	145969	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	317210	20.000	ng	0.00
76) Chrysene-d12	21.263	240	382125	20.000	ng	0.00
86) Perylene-d12	23.633	264	437735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	186484	47.712	ng	0.00
7) Phenol-d6	6.940	99	234660	44.702	ng	0.00
23) Nitrobenzene-d5	8.910	82	159230	30.544	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	95228	44.393	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	325685	28.363	ng	0.00
79) Terphenyl-d14	19.733	244	591456	26.938	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	87	Below Cal		# 28
9) Benzaldehyde	7.104	77	40	Below Cal		94
41) Hexachlorocyclopentadiene	12.481	237	9	8.657	ng	78
71) Phenanthrene	17.204	178	367147	21.367	ng	98
72) Anthracene	17.298	178	58368	3.443	ng	97
75) Fluoranthene	19.180	202	261744	13.492	ng	99
78) Pyrene	19.533	202	461413	16.877	ng	99
81) Benzo(a)anthracene	21.251	228	202725	7.916	ng	99
83) Chrysene	21.304	228	182574	7.464	ng	99
88) Benzo(b)fluoranthene	22.921	252	187407	7.117	ng	96
89) Benzo(k)fluoranthene	22.921	252	187407	7.058	ng	96
90) Benzo(a)pyrene	23.527	252	125881	5.508	ng	97
92) Benzo(g,h,i)perylene	26.868	276	68765	2.407	ng	96

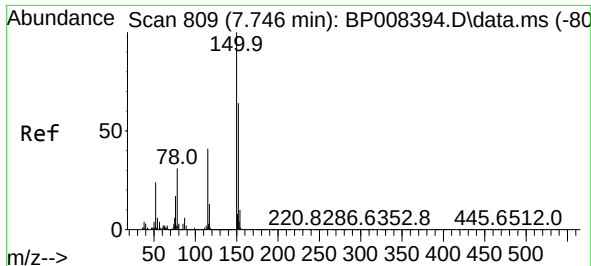
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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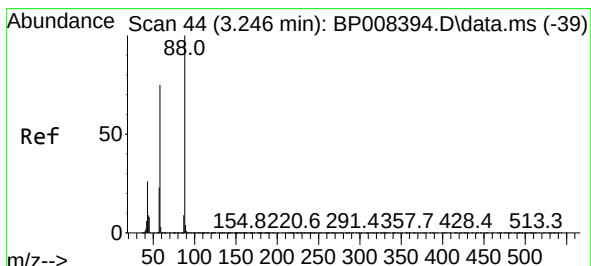
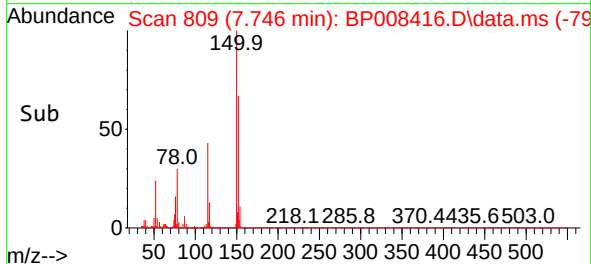
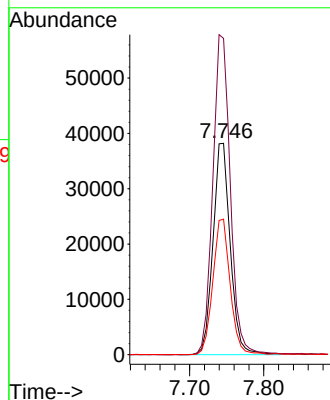
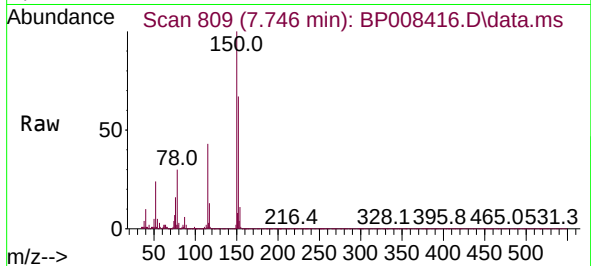




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.746 min Scan# 809
 Delta R.T. -0.000 min
 Lab File: BP008416.D
 Acq: 15 Dec 2021 14:41

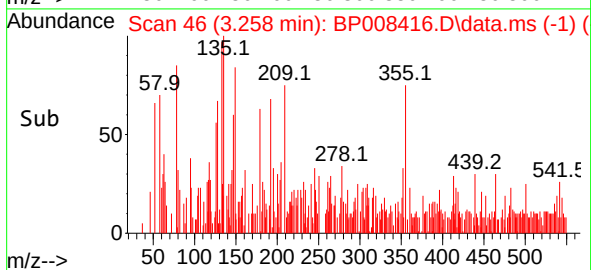
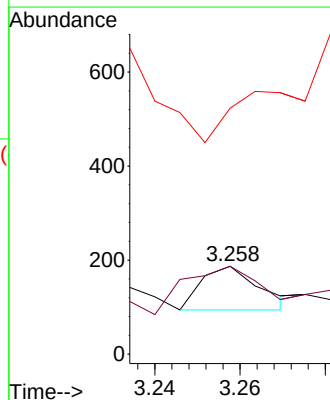
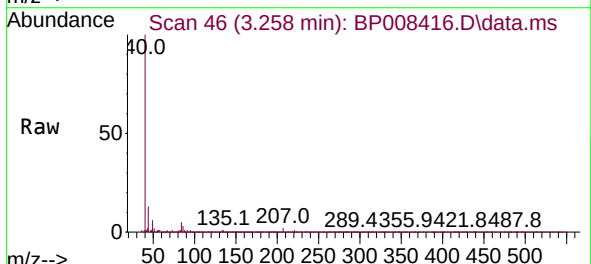
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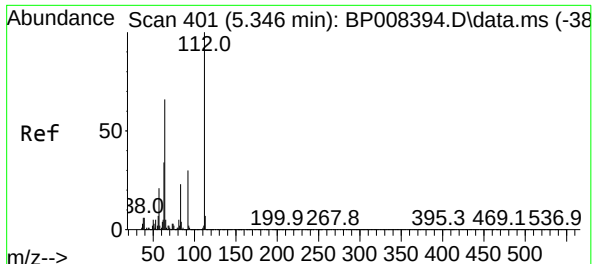
Tgt Ion:152 Resp: 61725
 Ion Ratio Lower Upper
 152 100
 150 149.6 125.7 188.5
 115 64.1 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.258 min Scan# 46
 Delta R.T. 0.012 min
 Lab File: BP008416.D
 Acq: 15 Dec 2021 14:41

Tgt Ion: 88 Resp: 87
 Ion Ratio Lower Upper
 88 100
 58 148.3 63.5 95.3#
 43 0.0 23.4 35.2#

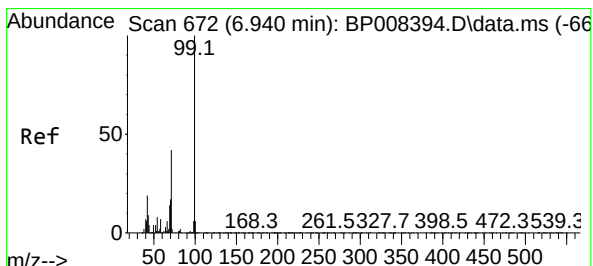
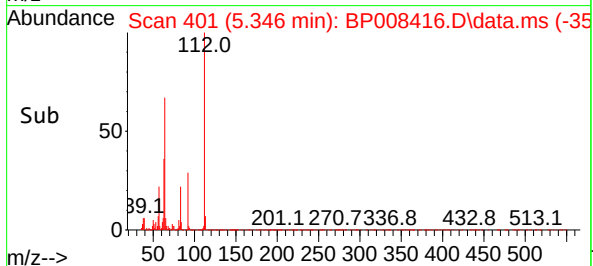
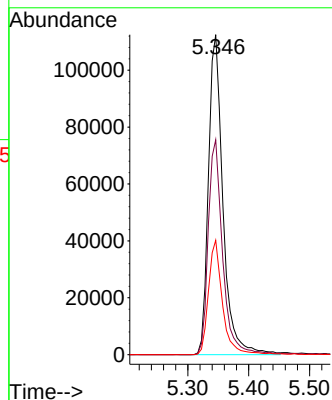
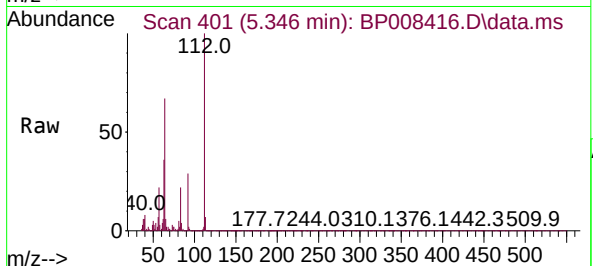




#5
2-Fluorophenol
Concen: 47.712 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

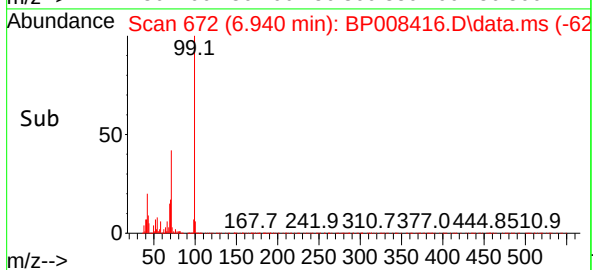
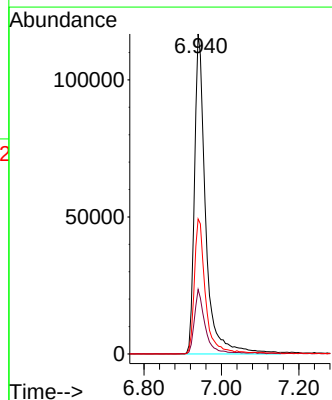
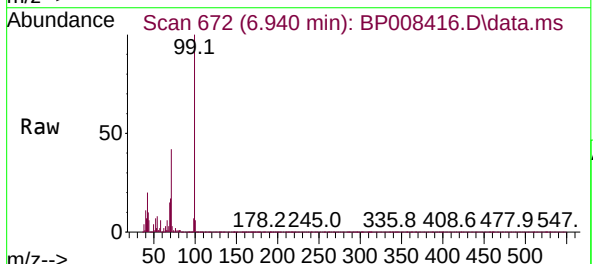
Instrument :
BNA_P
ClientSampleId :
SB-18-C

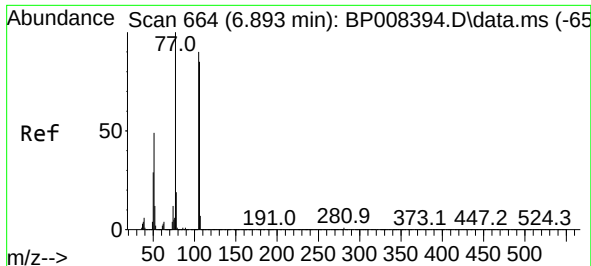
Tgt Ion:112 Resp: 186484
Ion Ratio Lower Upper
112 100
64 67.1 53.4 80.2
63 35.8 27.8 41.8



#7
Phenol-d6
Concen: 44.702 ng
RT: 6.940 min Scan# 672
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion: 99 Resp: 234660
Ion Ratio Lower Upper
99 100
42 20.2 14.6 22.0
71 42.2 31.1 46.7

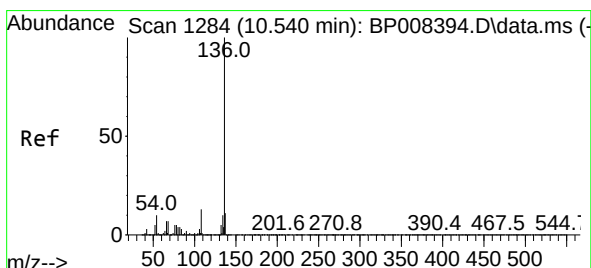
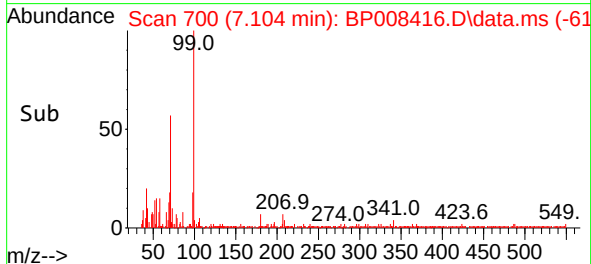
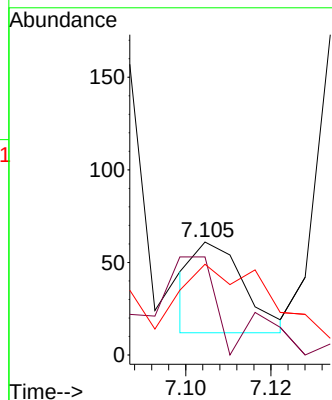
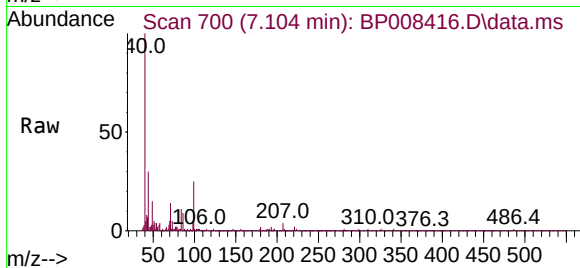




#9
Benzaldehyde
Concen: Below Cal
RT: 7.104 min Scan# 70
Delta R.T. 0.212 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

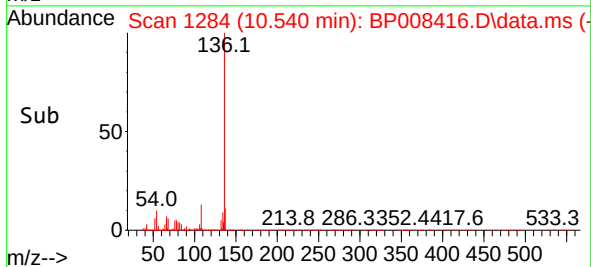
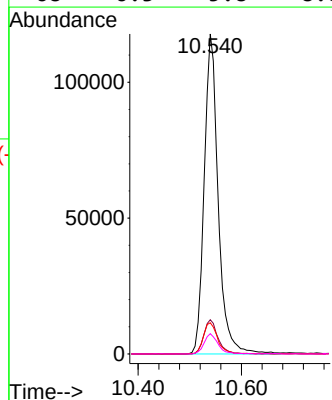
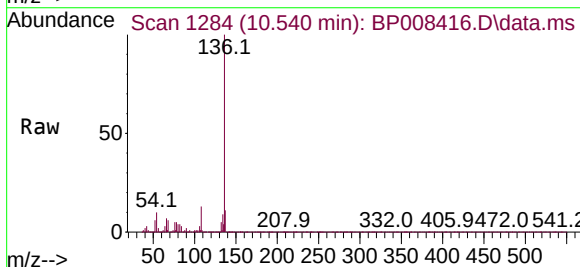
Instrument :
BNA_P
ClientSampleId :
SB-18-C

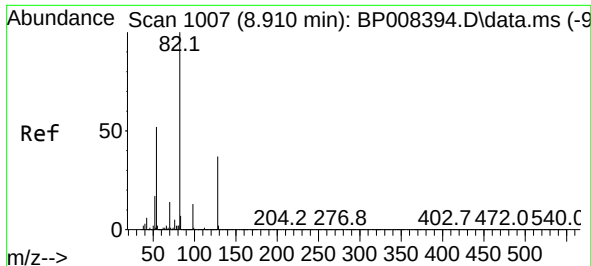
Tgt Ion: 77 Resp: 40
Ion Ratio Lower Upper
77 100
105 86.9 71.8 111.8
106 80.3 67.3 107.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion: 136 Resp: 220853
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 9.7 8.2 12.4
68 6.3 5.8 8.8

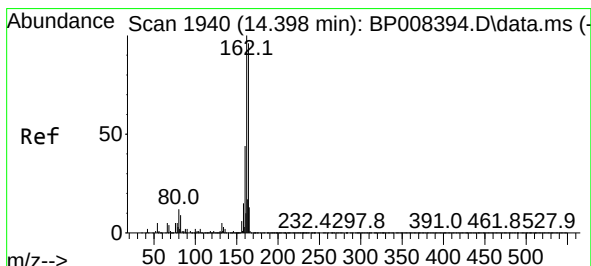
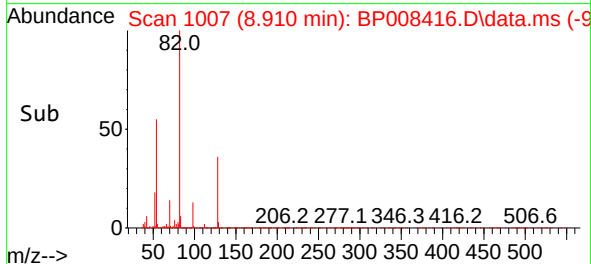
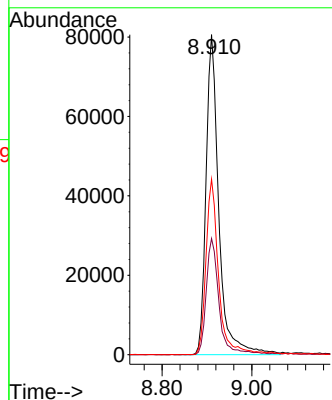
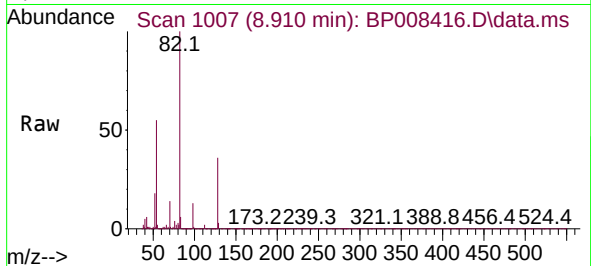




#23
Nitrobenzene-d5
Concen: 30.544 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

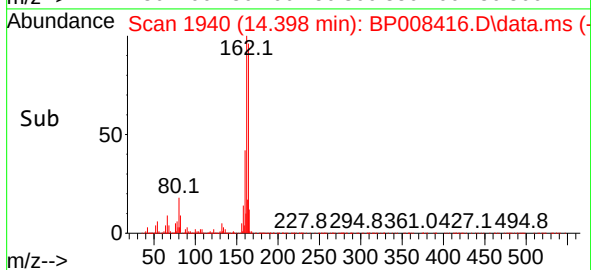
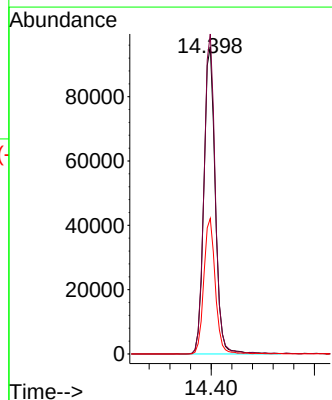
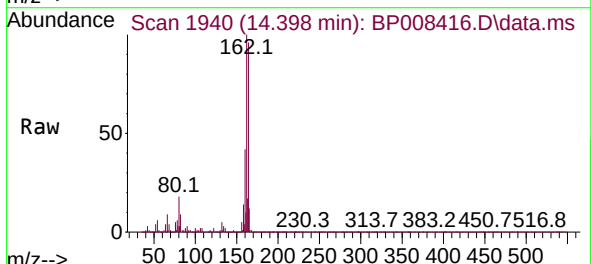
Instrument :
BNA_P
ClientSampleId :
SB-18-C

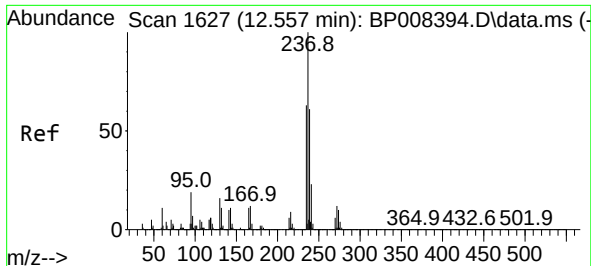
Tgt Ion: 82 Resp: 159230
Ion Ratio Lower Upper
82 100
128 36.3 29.6 44.4
54 54.8 42.7 64.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion:164 Resp: 145969
Ion Ratio Lower Upper
164 100
162 104.2 81.9 122.9
160 44.1 35.4 53.0



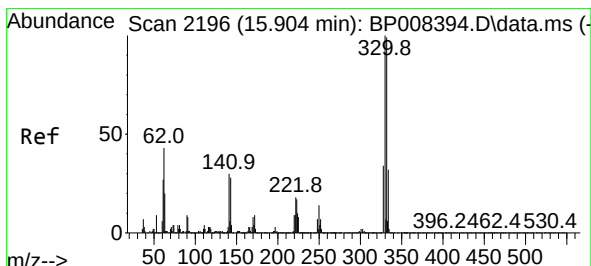
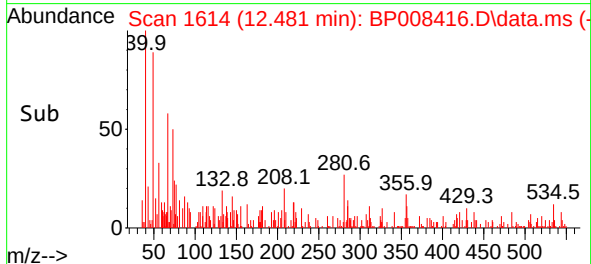
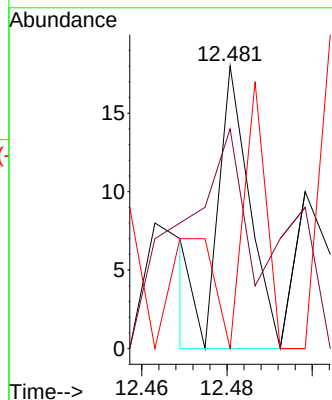
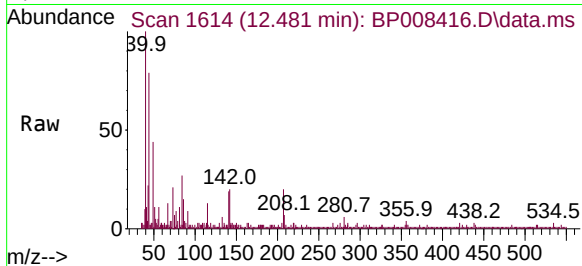


#41
Hexachlorocyclopentadiene
Concen: 8.657 ng
RT: 12.481 min Scan# 1
Delta R.T. -0.076 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Instrument :
BNA_P
ClientSampleId :
SB-18-C

Tgt Ion: 237 Resp: 9

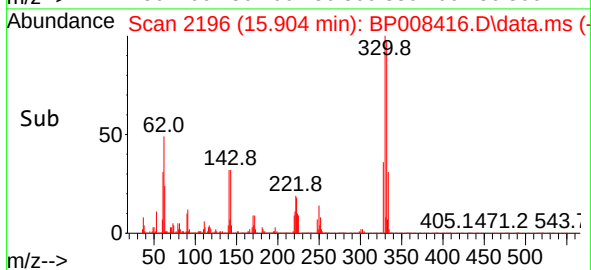
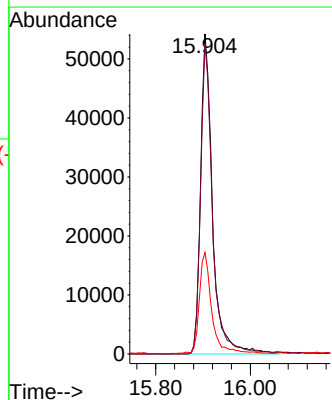
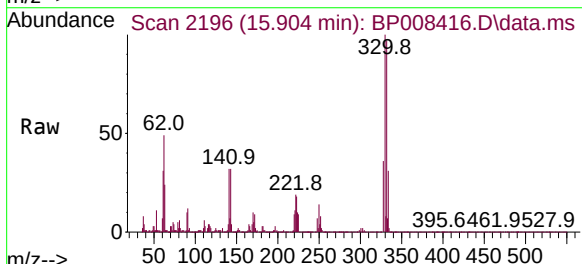
Ion	Ratio	Lower	Upper
237	100		
235	77.8	42.3	82.3
272	0.0	0.0	32.2

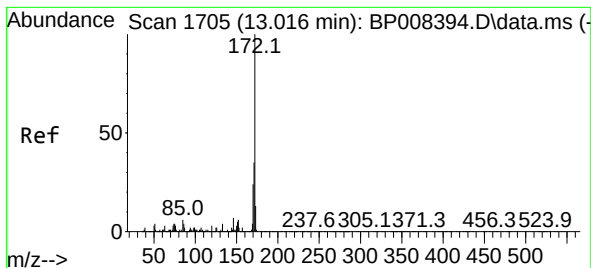


#42
2,4,6-Tribromophenol
Concen: 44.393 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion: 330 Resp: 95228

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.4
141	33.4	28.4	42.6





#45

2-Fluorobiphenyl

Concen: 28.363 ng

RT: 13.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: BP008416.D

Acq: 15 Dec 2021 14:41

Instrument :

BNA_P

ClientSampleId :

SB-18-C

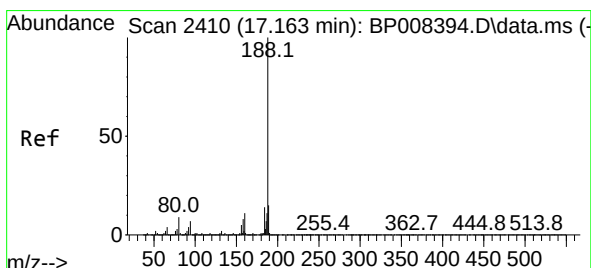
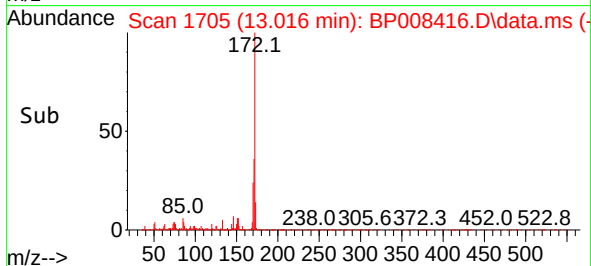
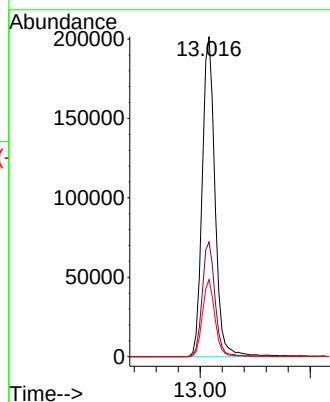
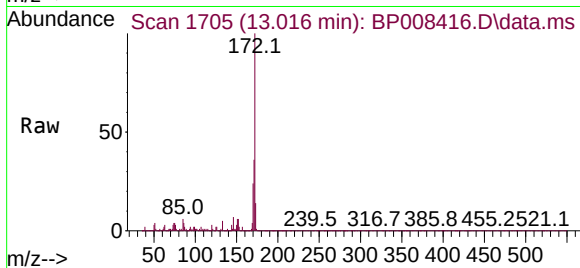
Tgt Ion:172 Resp: 325685

Ion Ratio Lower Upper

172 100

171 35.9 28.0 42.0

170 24.1 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BP008416.D

Acq: 15 Dec 2021 14:41

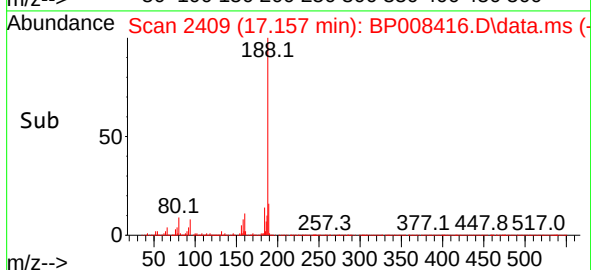
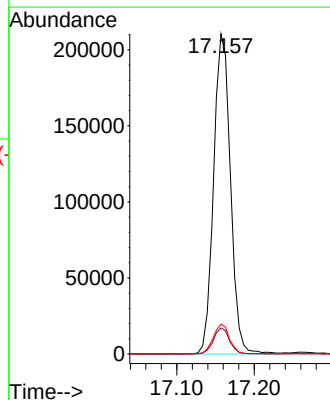
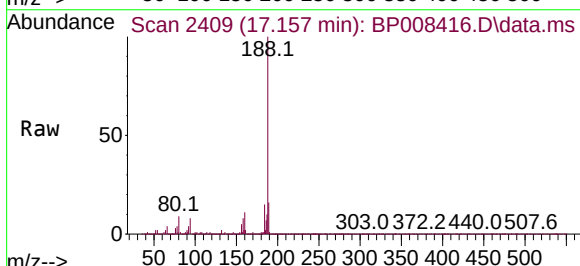
Tgt Ion:188 Resp: 317210

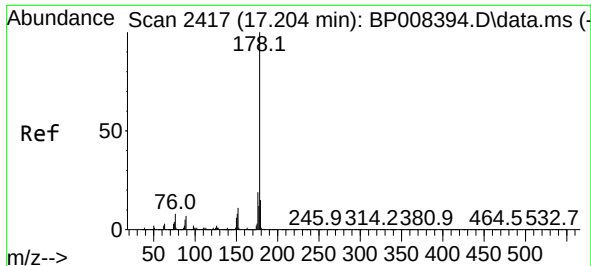
Ion Ratio Lower Upper

188 100

94 8.2 7.2 10.8

80 9.3 8.2 12.4

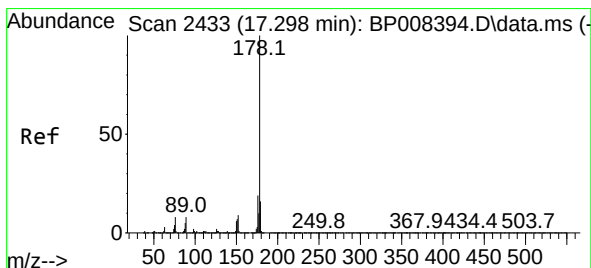
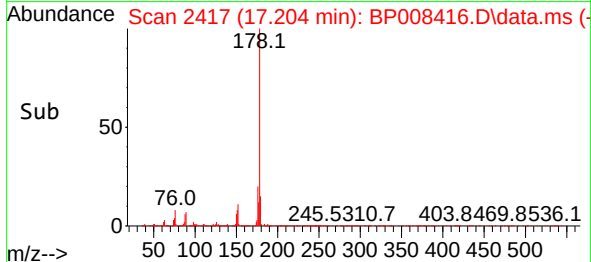
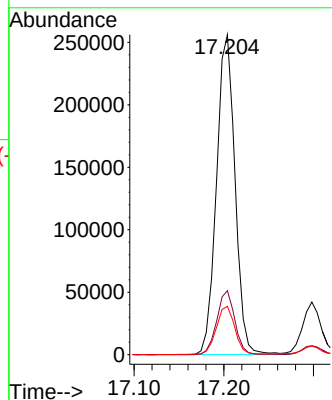
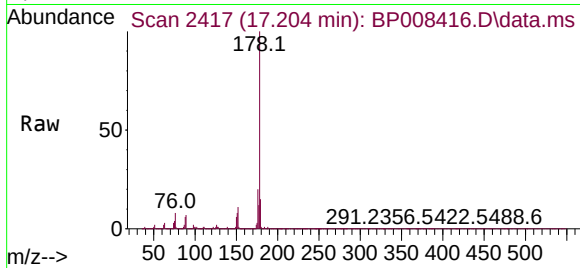




#71
Phenanthrene
Concen: 21.367 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

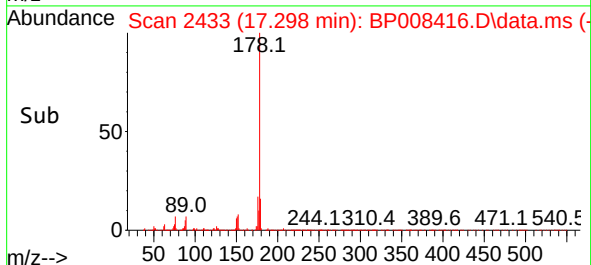
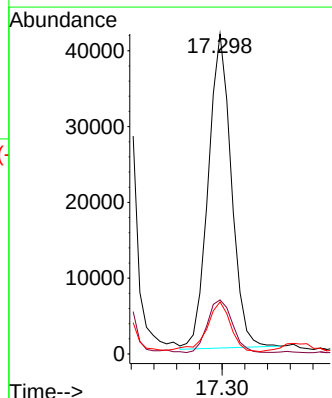
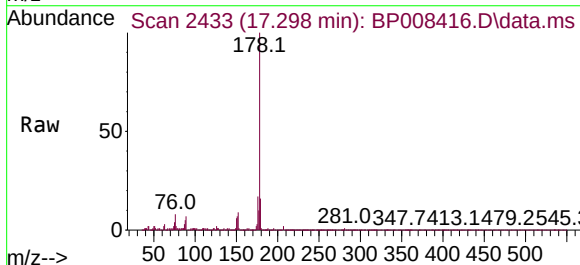
Instrument :
BNA_P
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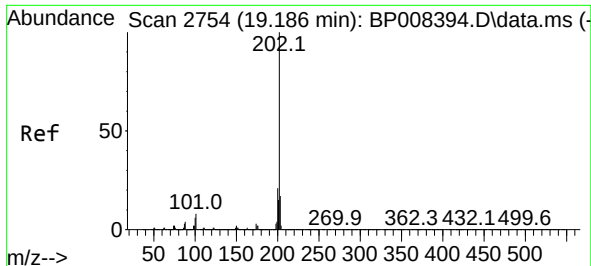
Tgt Ion:178 Resp: 367147
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 15.1 12.5 18.7



#72
Anthracene
Concen: 3.443 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion:178 Resp: 58368
Ion Ratio Lower Upper
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179 16.3 12.3 18.5

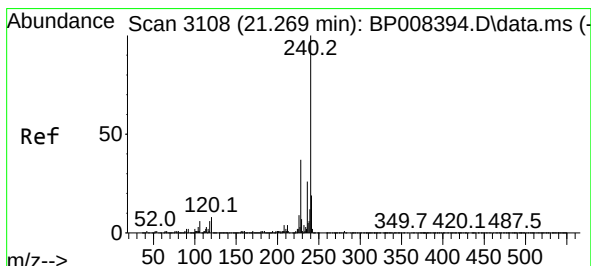
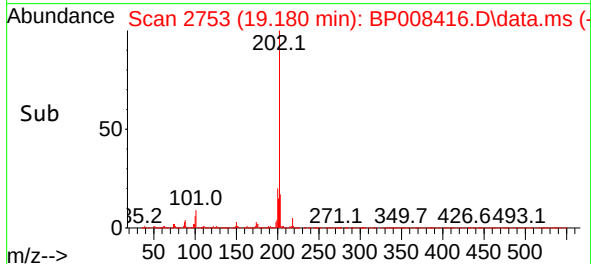
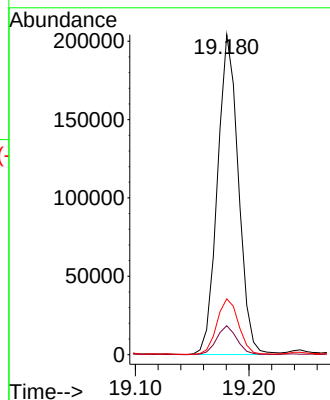
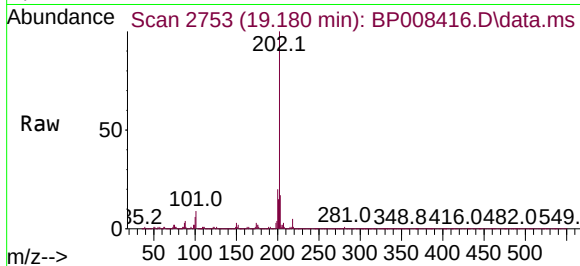




#75
Fluoranthene
Concen: 13.492 ng
RT: 19.180 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

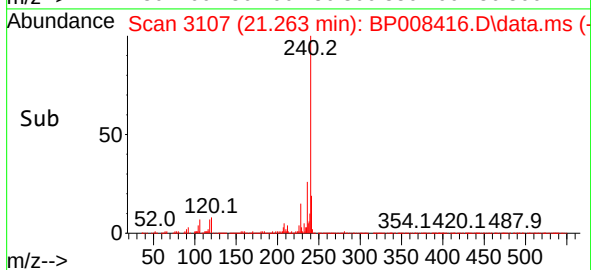
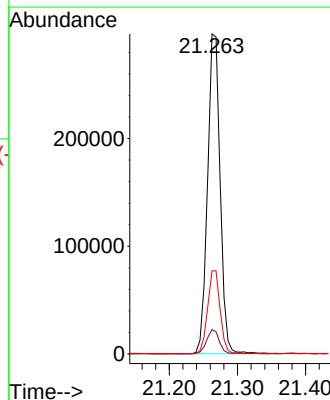
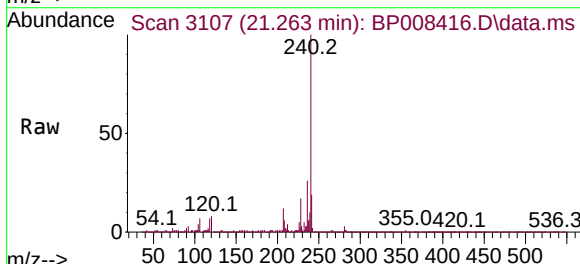
Instrument :
BNA_P
ClientSampleId :
SB-18-C

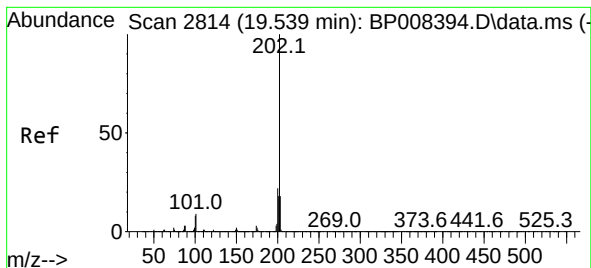
Tgt Ion:202 Resp: 261744
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.8
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion:240 Resp: 382125
Ion Ratio Lower Upper
240 100
120 7.6 7.3 10.9
236 26.0 21.4 32.2





#78

Pyrene

Concen: 16.877 ng

RT: 19.533 min Scan# 2814

Delta R.T. -0.006 min

Lab File: BP008416.D

Acq: 15 Dec 2021 14:41

Instrument :

BNA_P

ClientSampleId :

SB-18-C

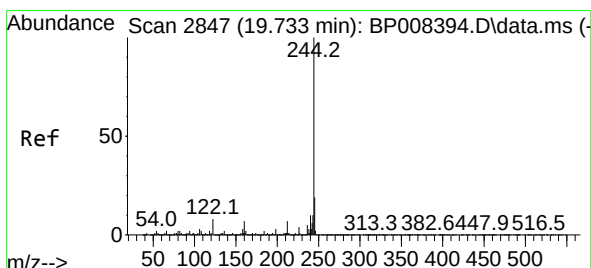
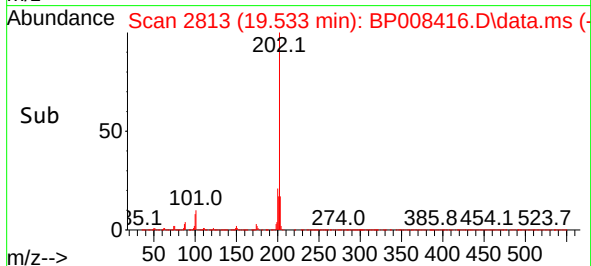
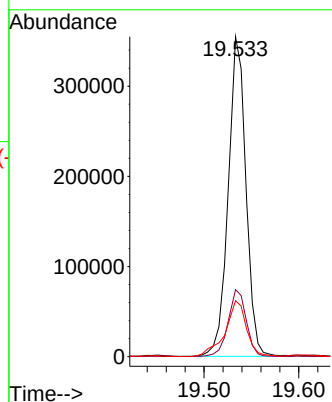
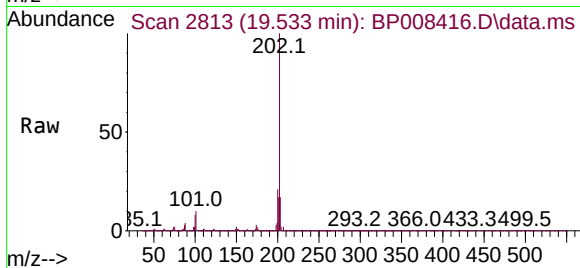
Tgt Ion:202 Resp: 461413

Ion Ratio Lower Upper

202 100

200 20.9 17.1 25.7

203 17.5 14.2 21.2



#79

Terphenyl-d14

Concen: 26.938 ng

RT: 19.733 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BP008416.D

Acq: 15 Dec 2021 14:41

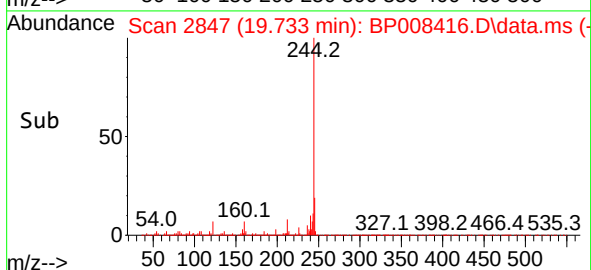
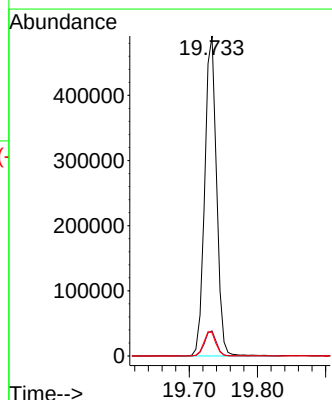
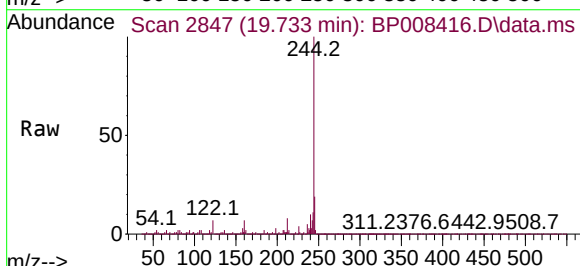
Tgt Ion:244 Resp: 591456

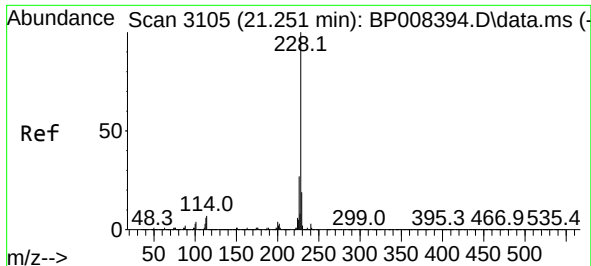
Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

122 7.2 6.6 9.8

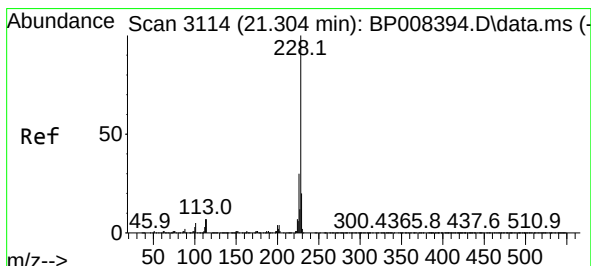
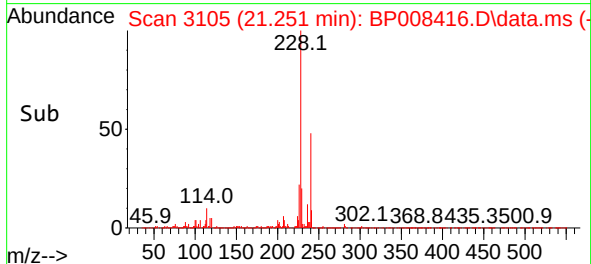
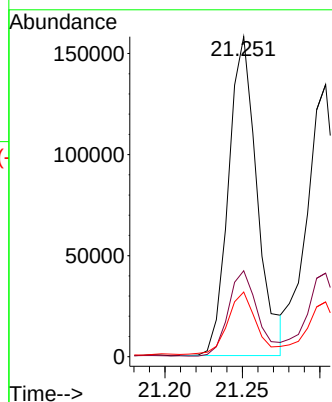
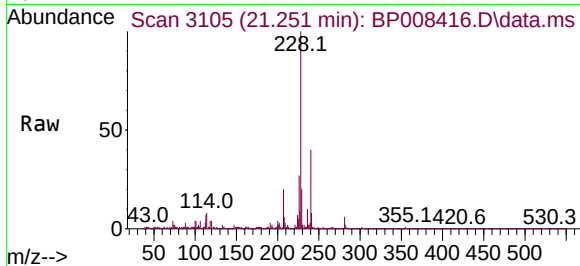




#81
Benzo(a)anthracene
Concen: 7.916 ng
RT: 21.251 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

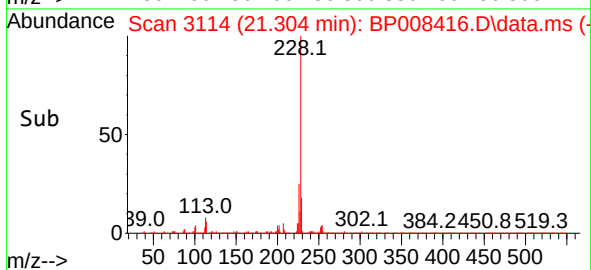
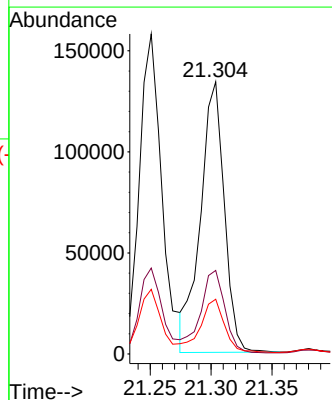
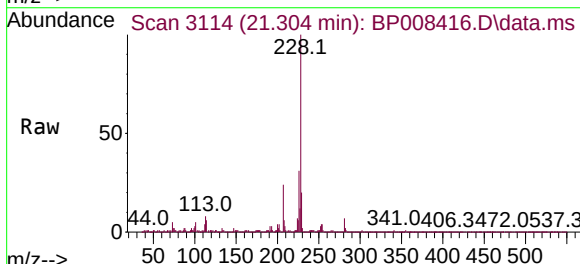
Instrument :
BNA_P
ClientSampleId :
SB-18-C

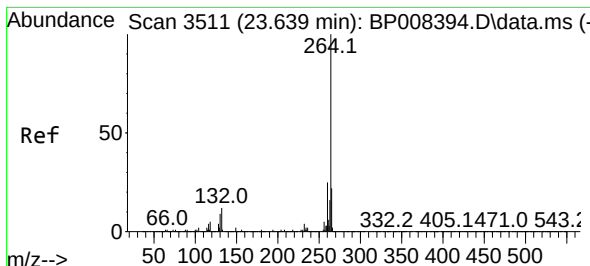
Tgt Ion:228 Resp: 202725
Ion Ratio Lower Upper
228 100
226 26.8 21.9 32.9
229 20.2 15.9 23.9



#83
Chrysene
Concen: 7.464 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion:228 Resp: 182574
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 20.1 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.633 min Scan# 3511

Delta R.T. -0.006 min

Lab File: BP008416.D

Acq: 15 Dec 2021 14:41

Instrument :

BNA_P

ClientSampleId :

SB-18-C

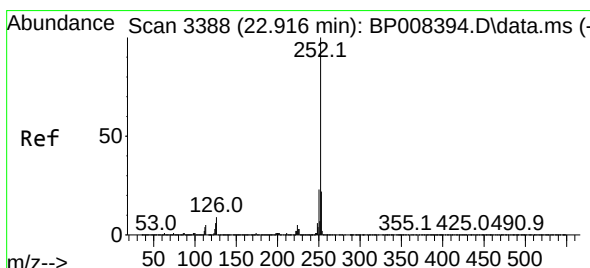
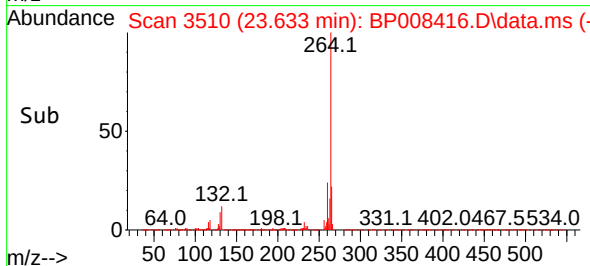
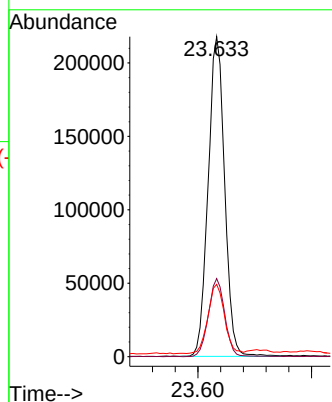
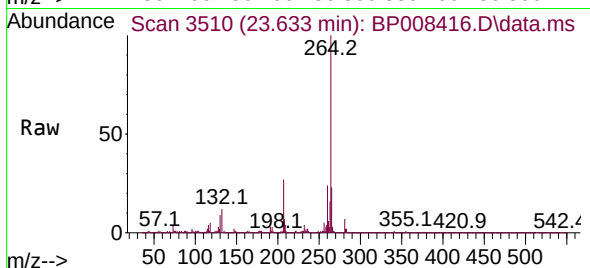
Tgt Ion:264 Resp: 437735

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 22.6 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 7.117 ng

RT: 22.921 min Scan# 3389

Delta R.T. 0.006 min

Lab File: BP008416.D

Acq: 15 Dec 2021 14:41

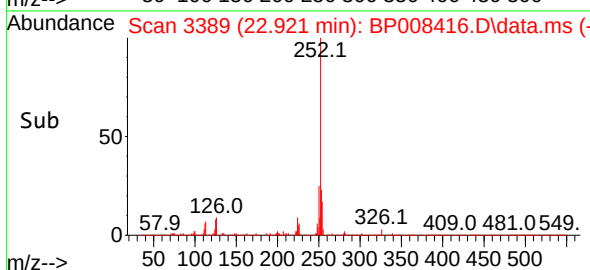
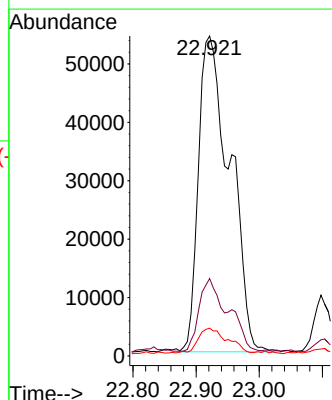
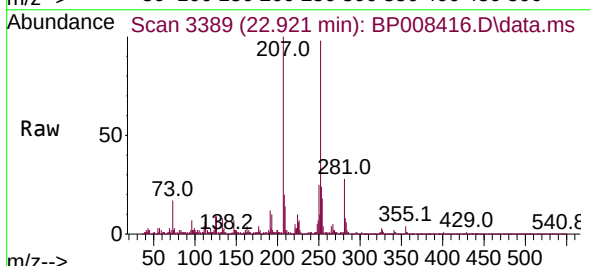
Tgt Ion:252 Resp: 187407

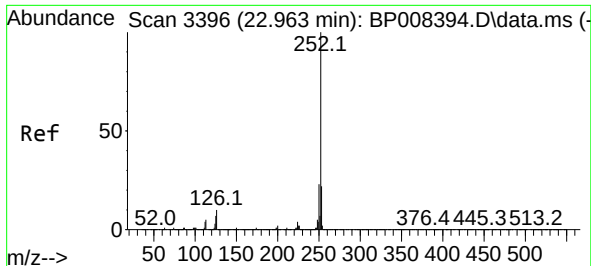
Ion Ratio Lower Upper

252 100

253 24.2 17.7 26.5

125 8.7 6.2 9.4

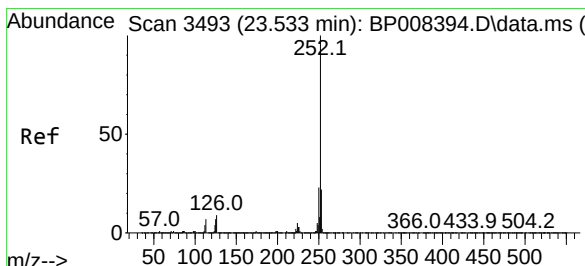
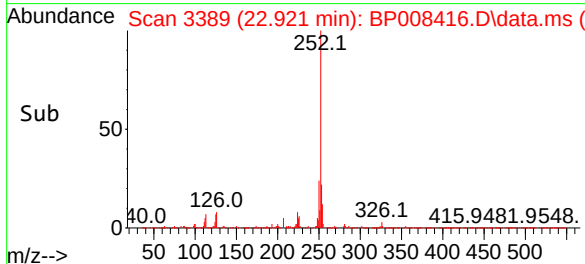
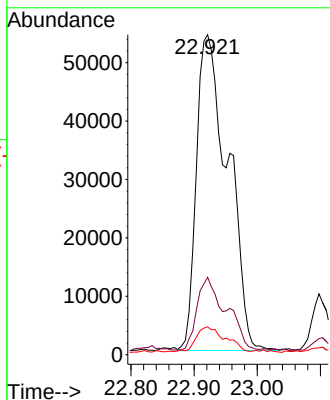
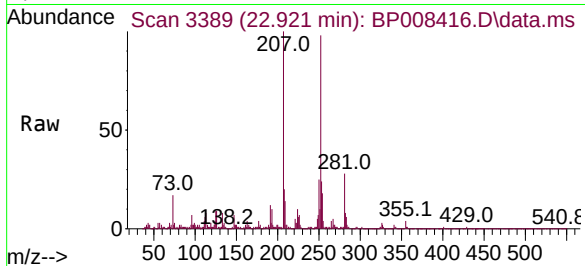




#89
Benzo(k)fluoranthene
Concen: 7.058 ng
RT: 22.921 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

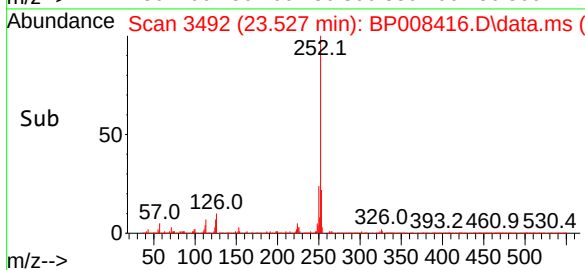
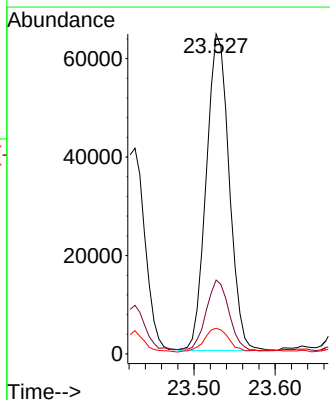
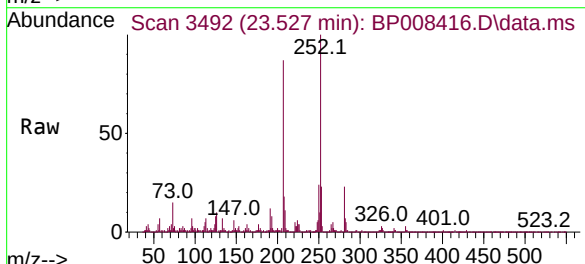
Instrument :
BNA_P
ClientSampleId :
SB-18-C

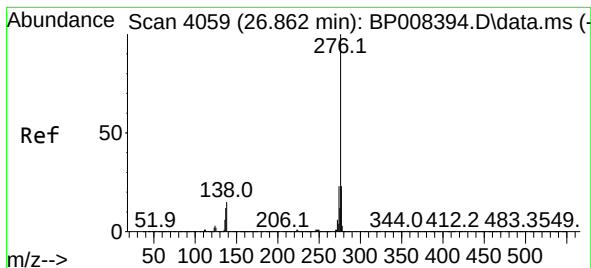
Tgt Ion:252 Resp: 187407
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 8.7 6.5 9.7



#90
Benzo(a)pyrene
Concen: 5.508 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.006 min
Lab File: BP008416.D
Acq: 15 Dec 2021 14:41

Tgt Ion:252 Resp: 125881
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 8.0 7.4 11.0





#92

Benzo(g,h,i)perylene

Concen: 2.407 ng

RT: 26.868 min Scan# 4060

Delta R.T. 0.006 min

Lab File: BP008416.D

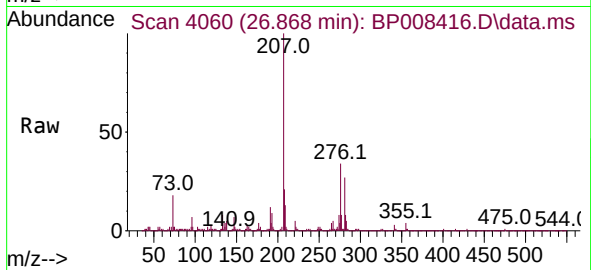
Acq: 15 Dec 2021 14:41

Instrument :

BNA_P

ClientSampleId :

SB-18-C



Tgt Ion:276 Resp: 68765

Ion Ratio Lower Upper

276 100

277 23.4 20.0 30.0

138 15.5 14.1 21.1

