

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008414.D
 Acq On : 15 Dec 2021 13:33
 Operator : CG/JU
 Sample : M5076-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-19-C

Quant Time: Dec 15 14:04:43 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)

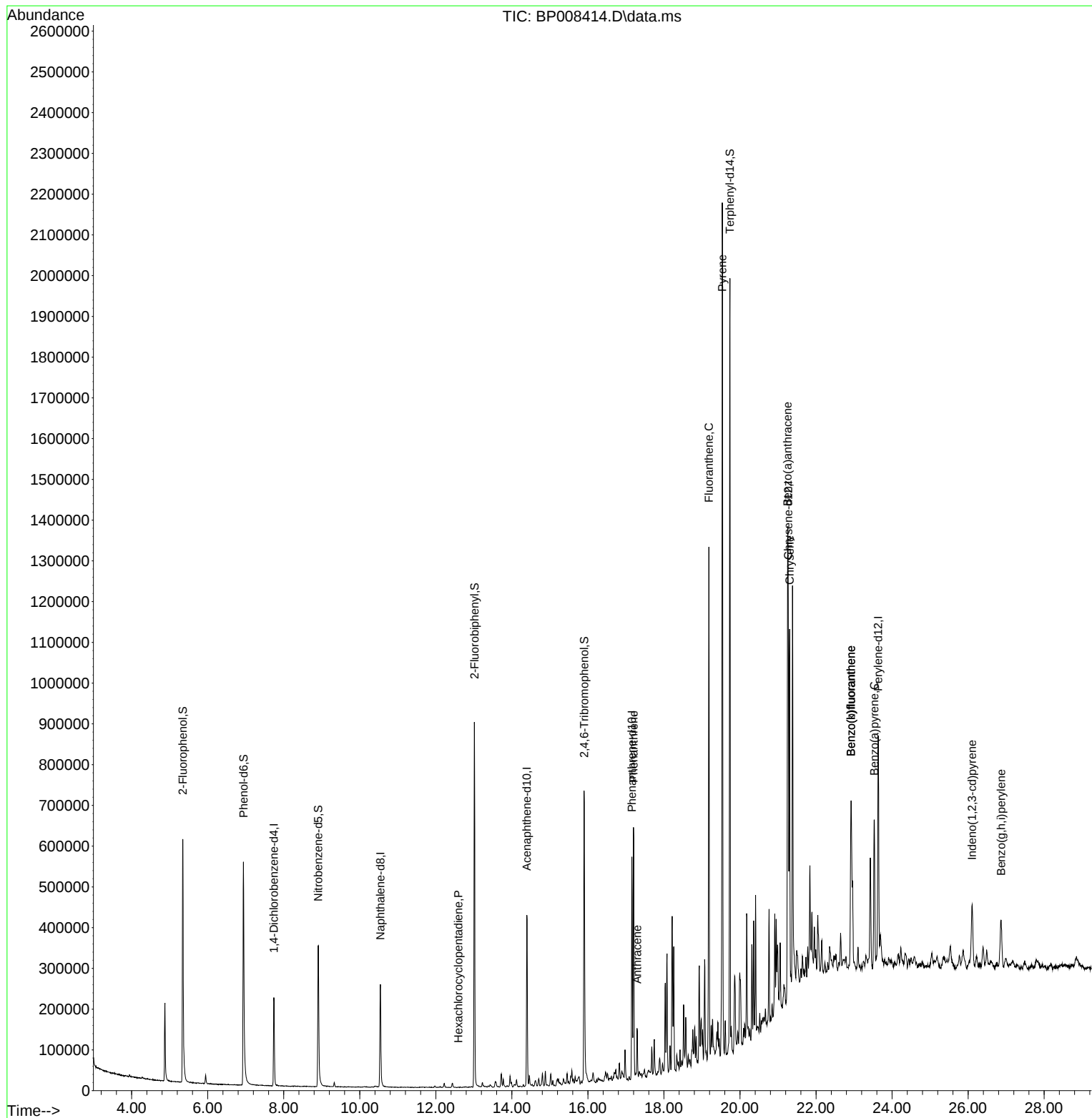
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	58978	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	219359	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	147171	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	325747	20.000	ng	0.00
76) Chrysene-d12	21.269	240	392095	20.000	ng	0.00
86) Perylene-d12	23.633	264	439371	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	279499	74.841	ng	0.00
7) Phenol-d6	6.940	99	362636	72.299	ng	0.00
23) Nitrobenzene-d5	8.905	82	242323	46.800	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	156570	72.393	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	477045	41.205	ng	0.00
79) Terphenyl-d14	19.733	244	872955	38.748	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.240	88	209	Below Cal	#	51
9) Benzaldehyde	6.852	77	72	Below Cal	#	30
41) Hexachlorocyclopentadiene	12.593	237	47	8.679	ng	86
71) Phenanthrene	17.198	178	374191	21.206	ng	99
72) Anthracene	17.292	178	74701	4.291	ng	99
75) Fluoranthene	19.181	202	651642	32.710	ng	98
78) Pyrene	19.533	202	1274732	45.440	ng	99
81) Benzo(a)anthracene	21.251	228	522600	19.888	ng	100
83) Chrysene	21.304	228	472395	18.820	ng	100
87) Indeno(1,2,3-cd)pyrene	26.104	276	159963	4.625	ng	# 94
88) Benzo(b)fluoranthene	22.922	252	483725	18.302	ng	99
89) Benzo(k)fluoranthene	22.922	252	483725	18.149	ng	98
90) Benzo(a)pyrene	23.533	252	286758	12.500	ng	98
92) Benzo(g,h,i)perylene	26.868	276	160495	5.598	ng	96

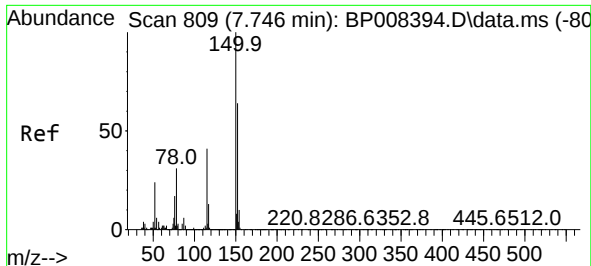
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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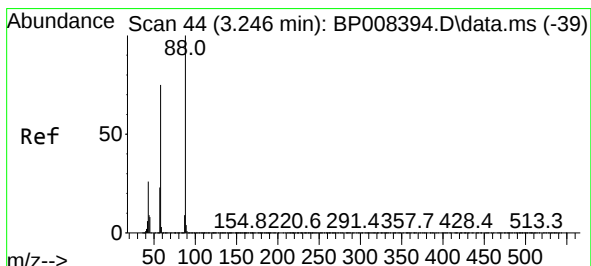
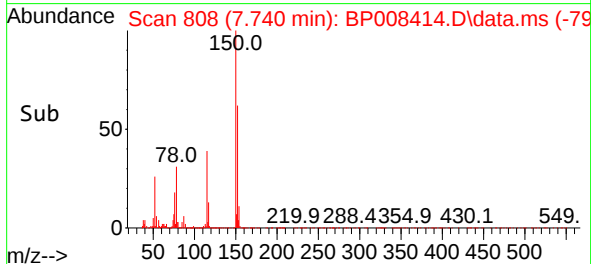
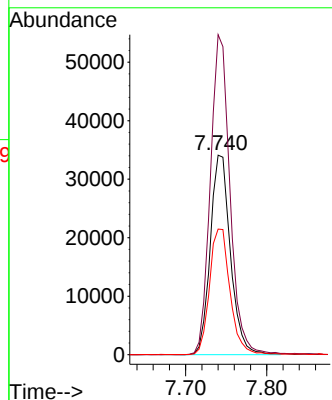
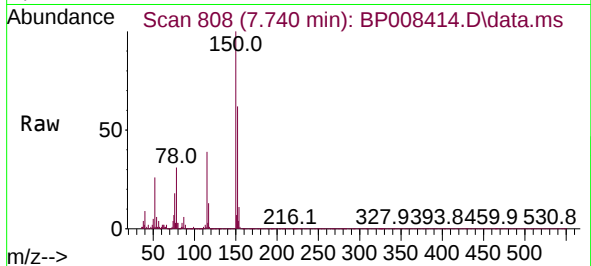




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BP008414.D
 Acq: 15 Dec 2021 13:33

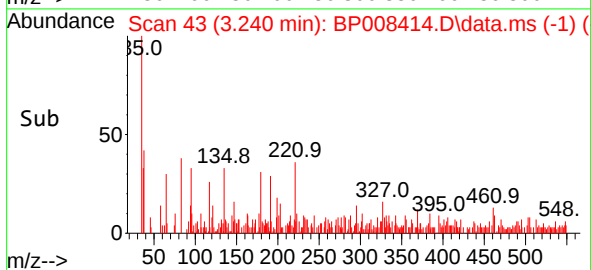
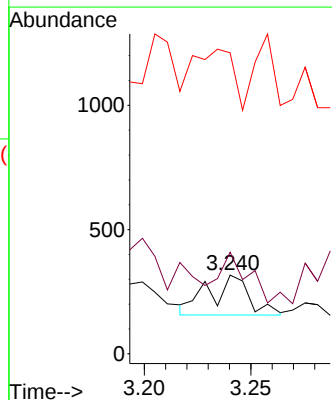
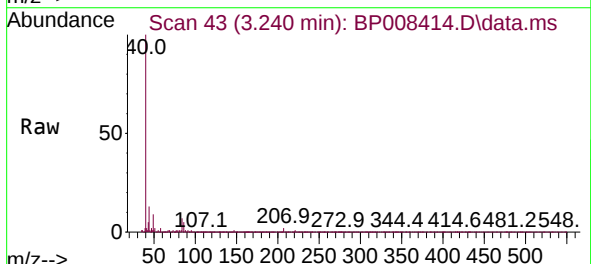
Instrument :
 BNA_P
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 SB-19-C

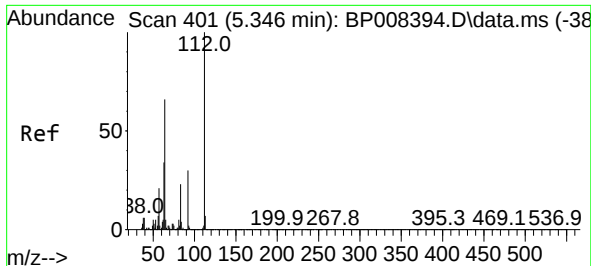
Tgt Ion:152 Resp: 58978
 Ion Ratio Lower Upper
 152 100
 150 160.4 125.7 188.5
 115 63.0 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.240 min Scan# 43
 Delta R.T. -0.006 min
 Lab File: BP008414.D
 Acq: 15 Dec 2021 13:33

Tgt Ion: 88 Resp: 209
 Ion Ratio Lower Upper
 88 100
 58 99.0 63.5 95.3#
 43 95.2 23.4 35.2#

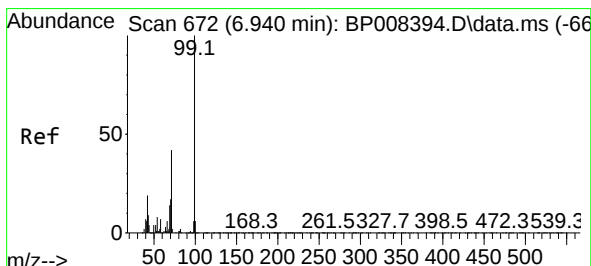
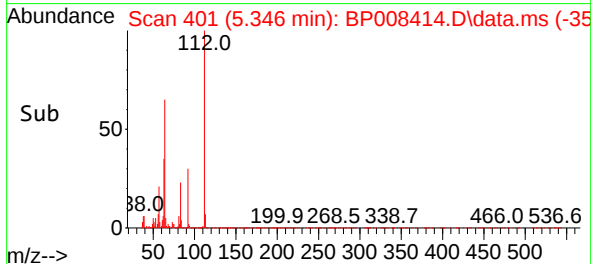
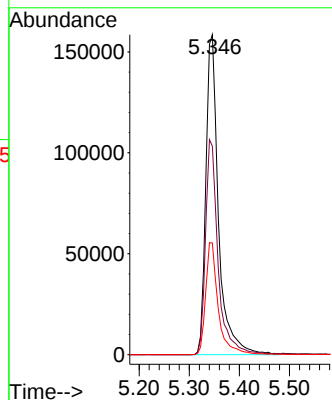
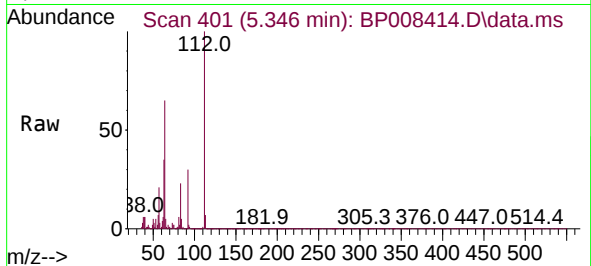




#5
2-Fluorophenol
Concen: 74.841 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

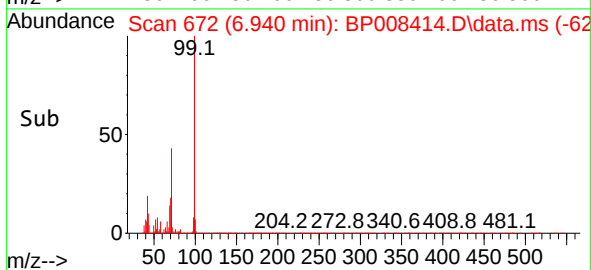
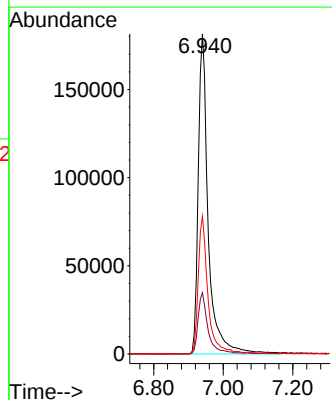
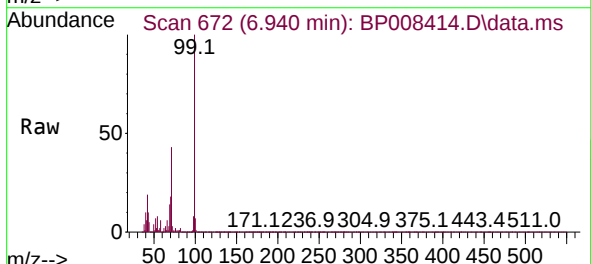
Instrument :
BNA_P
ClientSampleId :
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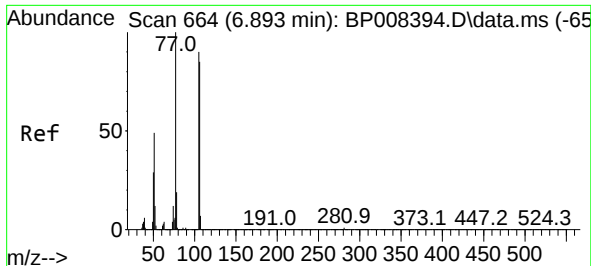
Tgt Ion:112 Resp: 279499
Ion Ratio Lower Upper
112 100
64 65.2 53.4 80.2
63 34.9 27.8 41.8



#7
Phenol-d6
Concen: 72.299 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

Tgt Ion: 99 Resp: 362636
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 43.0 31.1 46.7

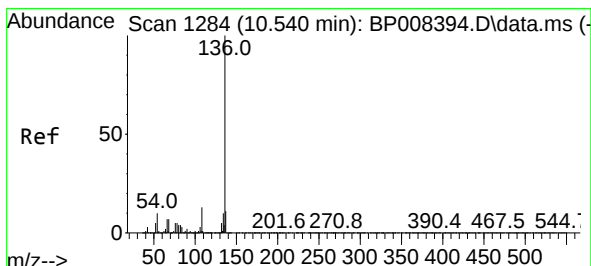
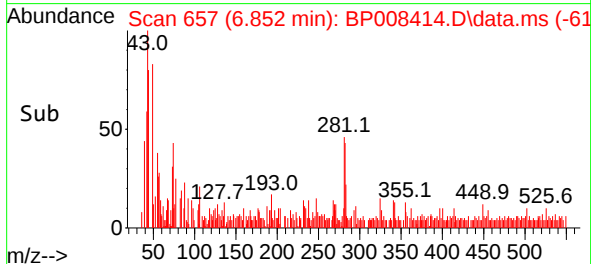
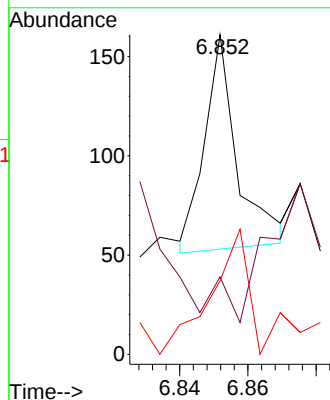
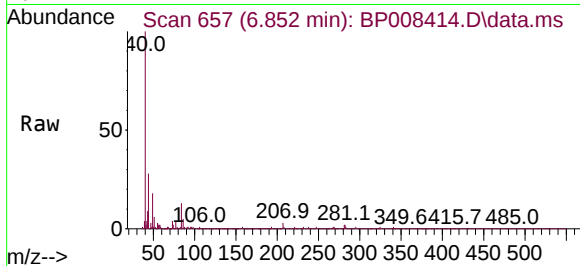




#9
Benzaldehyde
Concen: Below Cal
RT: 6.852 min Scan# 61
Delta R.T. -0.041 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

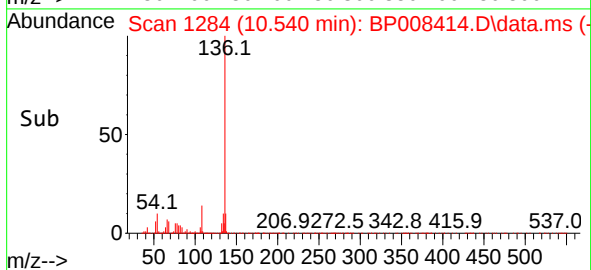
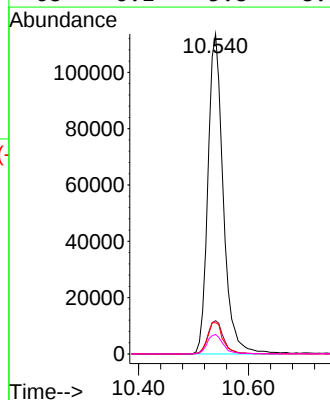
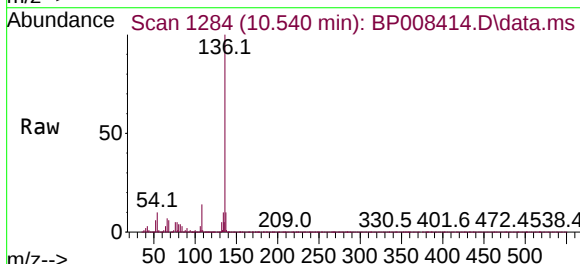
Instrument :
BNA_P
ClientSampleId :
SB-19-C

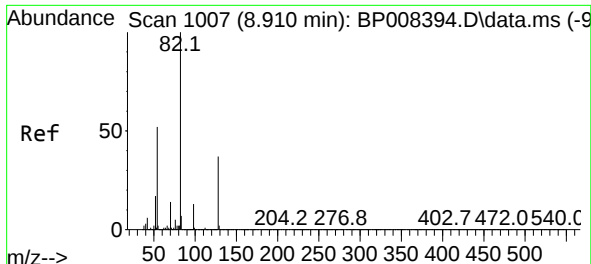
Tgt Ion: 77 Resp: 72
Ion Ratio Lower Upper
77 100
105 24.2 71.8 111.8#
106 23.0 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

Tgt Ion: 136 Resp: 219359
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.6
54 9.7 8.2 12.4
68 6.1 5.8 8.8





#23

Nitrobenzene-d5

Concen: 46.800 ng

RT: 8.905 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

Instrument :

BNA_P

ClientSampleId :

SB-19-C

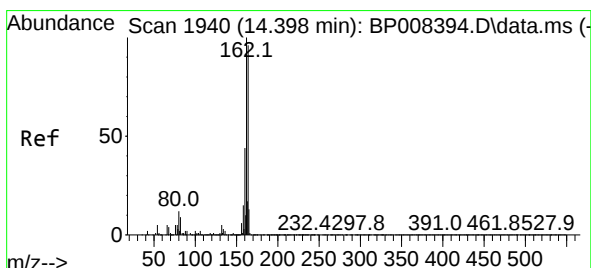
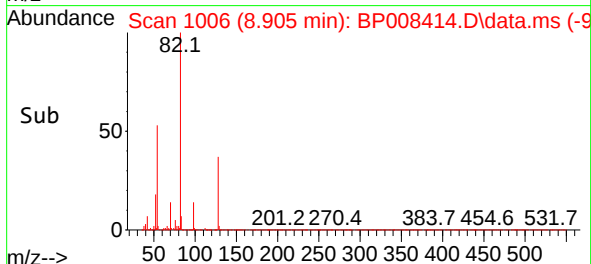
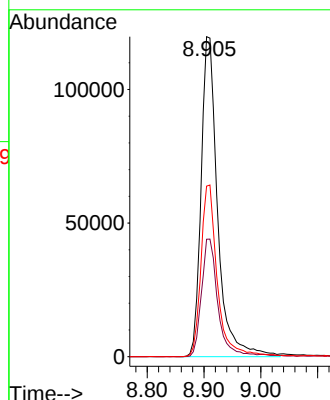
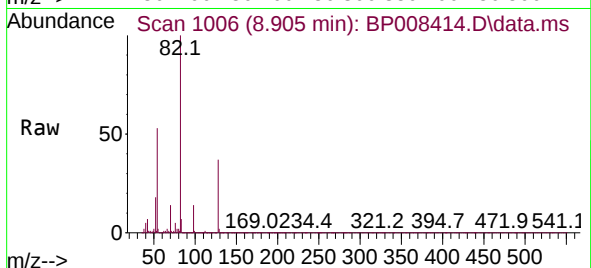
Tgt Ion: 82 Resp: 242323

Ion Ratio Lower Upper

82 100

128 36.7 29.6 44.4

54 53.3 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.393 min Scan# 1939

Delta R.T. -0.005 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

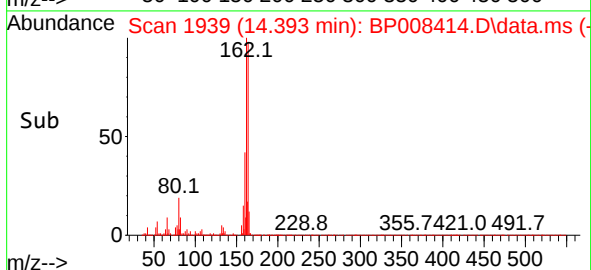
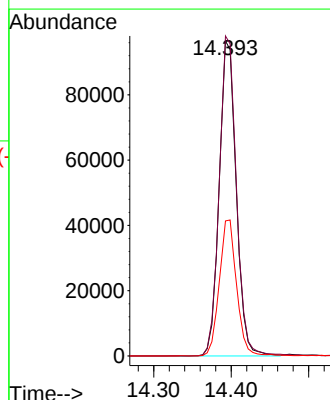
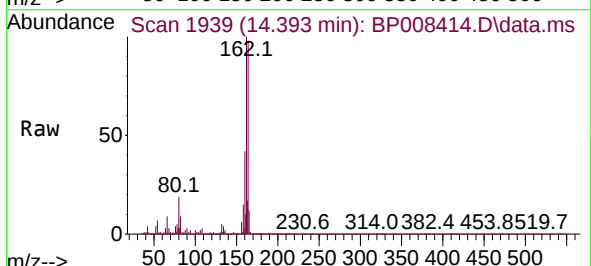
Tgt Ion:164 Resp: 147171

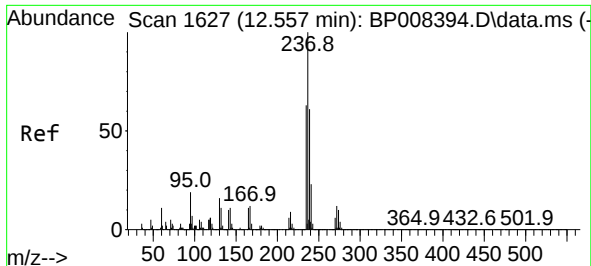
Ion Ratio Lower Upper

164 100

162 101.6 81.9 122.9

160 42.9 35.4 53.0

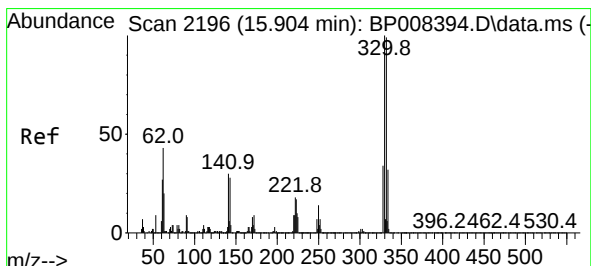
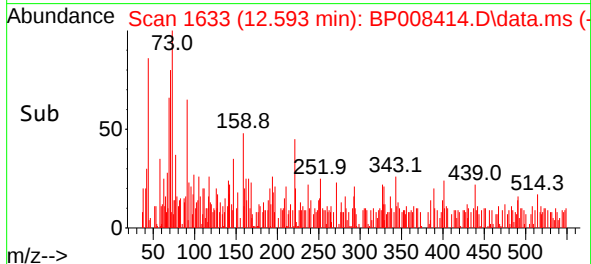
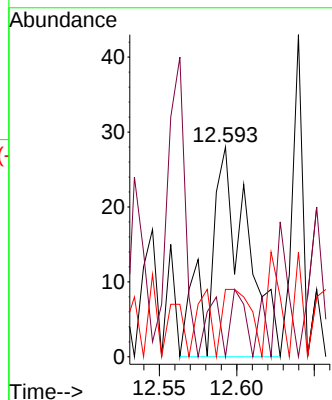
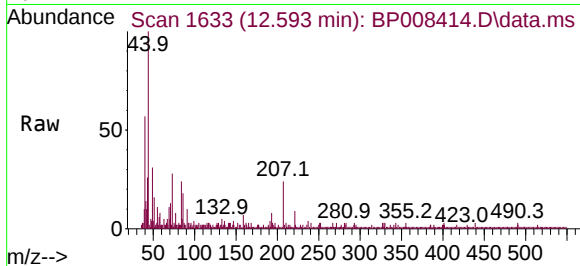




#41
Hexachlorocyclopentadiene
Concen: 8.679 ng
RT: 12.593 min Scan# 1633
Delta R.T. 0.036 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

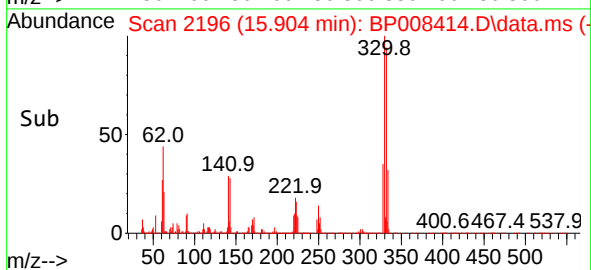
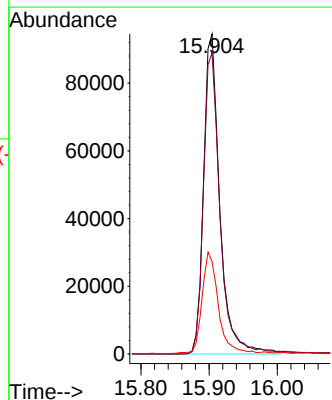
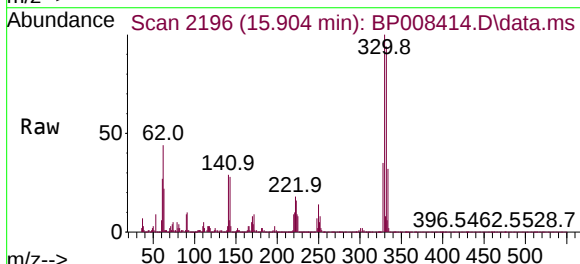
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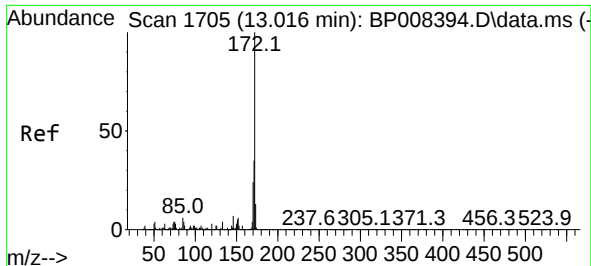
Tgt Ion:	237	Resp:	47
Ion Ratio	Lower	Upper	
237	100		
235	57.1	42.3	82.3
272	32.1	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 72.393 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

Tgt Ion:	330	Resp:	156570
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.0	115.4
141	32.1	28.4	42.6

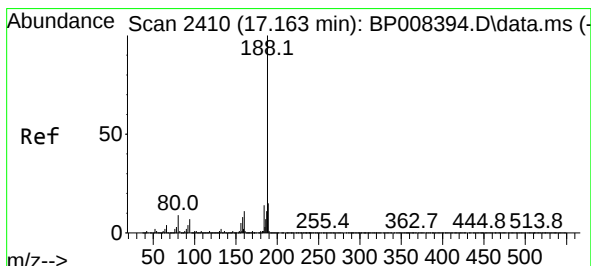
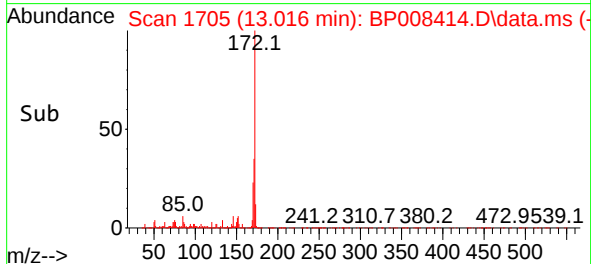
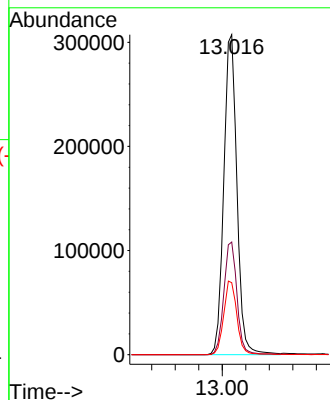
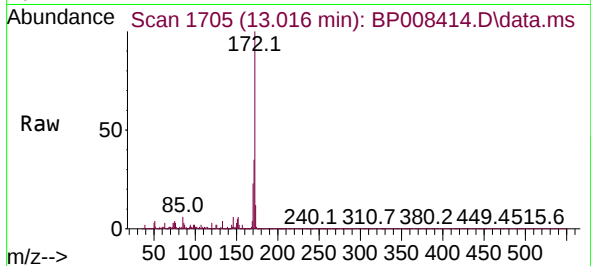




#45
2-Fluorobiphenyl
Concen: 41.205 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

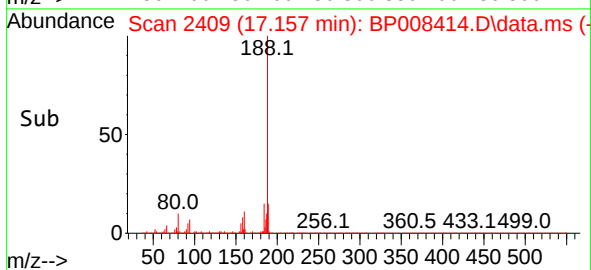
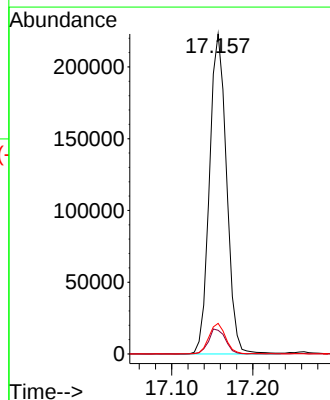
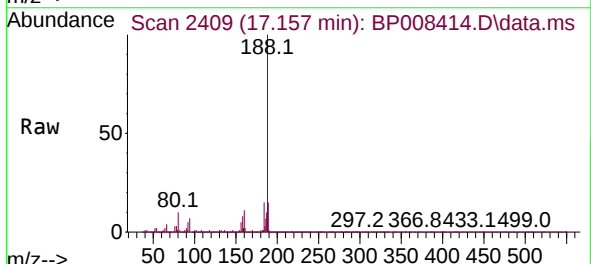
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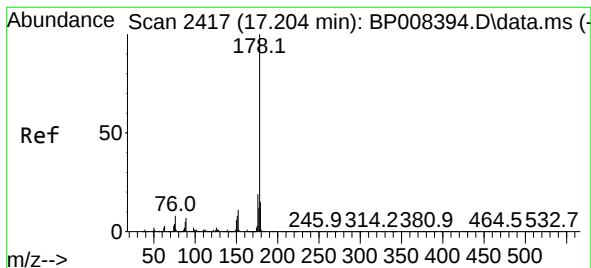
Tgt Ion:172 Resp: 477045
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 22.5 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

Tgt Ion:188 Resp: 325747
Ion Ratio Lower Upper
188 100
94 7.4 7.2 10.8
80 9.6 8.2 12.4





#71

Phenanthrene

Concen: 21.206 ng

RT: 17.198 min Scan# 2417

Delta R.T. -0.006 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

Instrument :

BNA_P

ClientSampleId :

SB-19-C

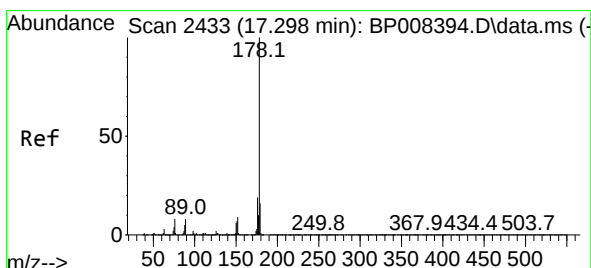
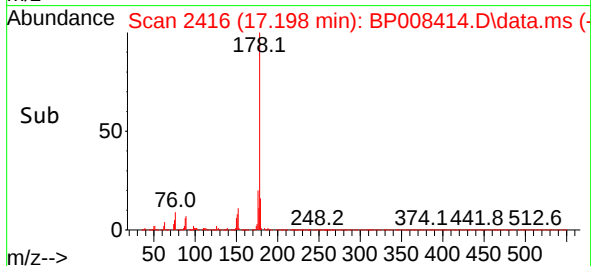
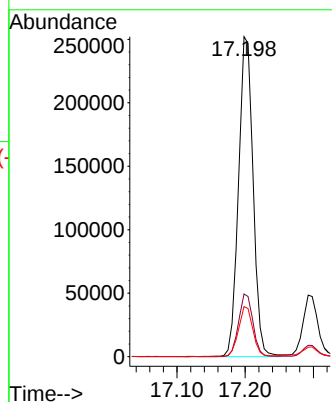
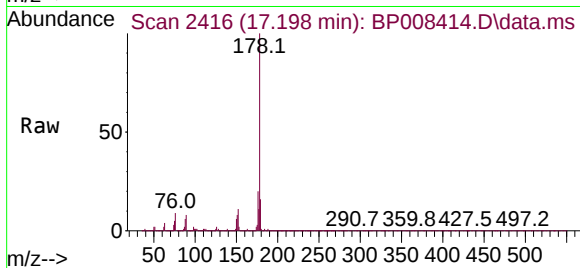
Tgt Ion:178 Resp: 374191

Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

179 15.7 12.5 18.7



#72

Anthracene

Concen: 4.291 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

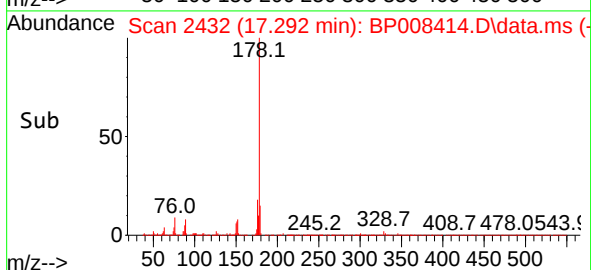
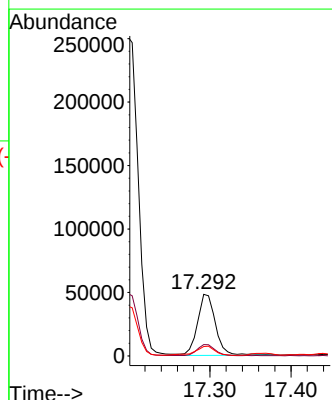
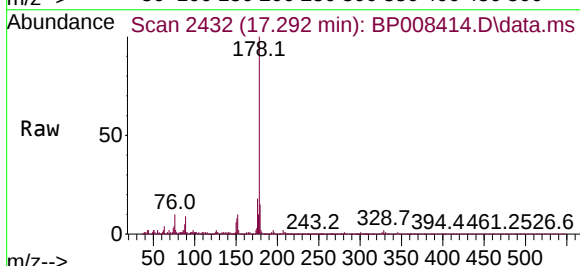
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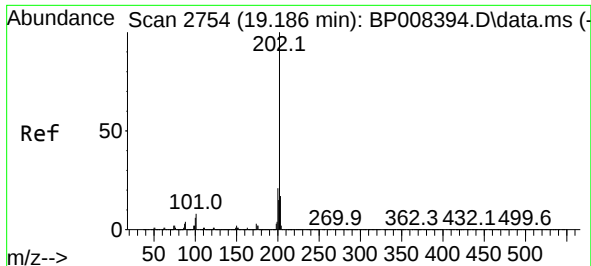
Ion Ratio Lower Upper

178 100

176 18.4 15.1 22.7

179 15.2 12.3 18.5

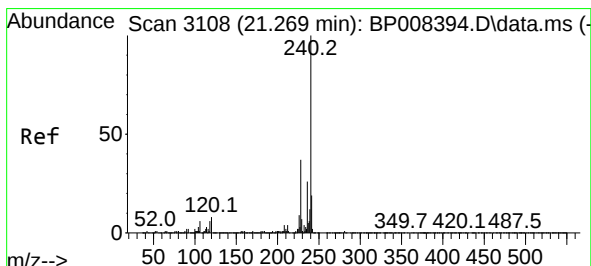
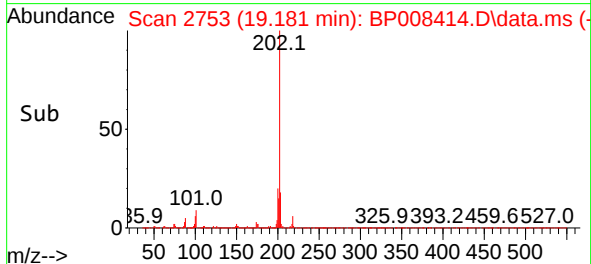
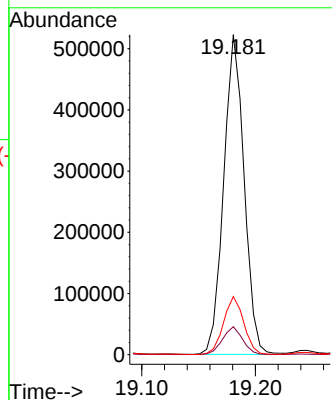
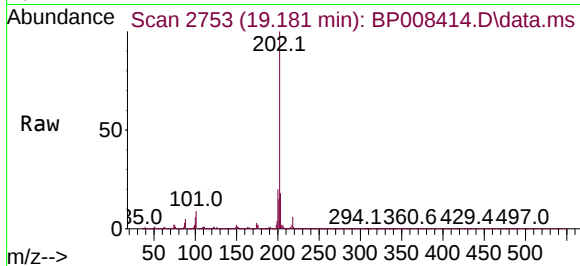




#75
Fluoranthene
Concen: 32.710 ng
RT: 19.181 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

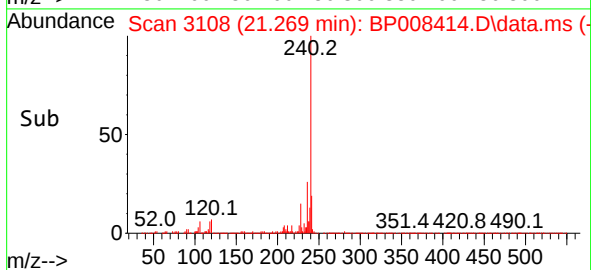
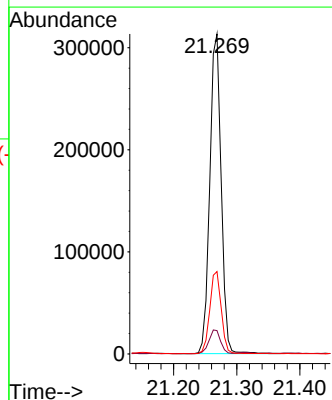
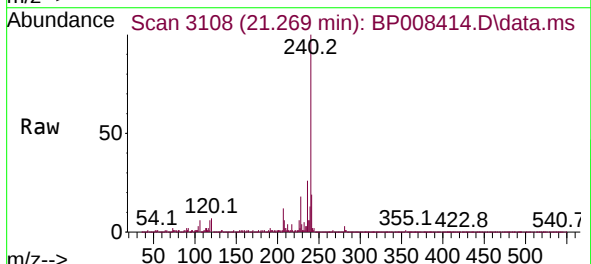
Instrument :
BNA_P
ClientSampleId :
SB-19-C

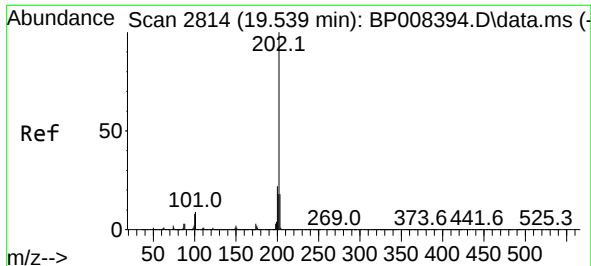
Tgt Ion:202 Resp: 651642
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.8
203 18.2 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. 0.000 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

Tgt Ion:240 Resp: 392095
Ion Ratio Lower Upper
240 100
120 7.3 7.3 10.9
236 25.7 21.4 32.2

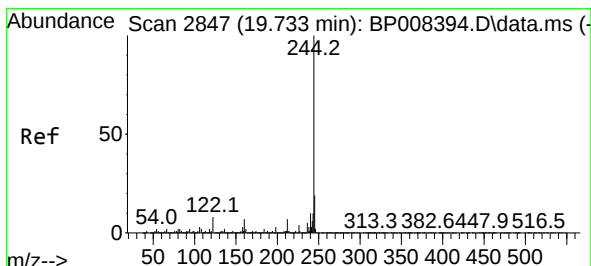
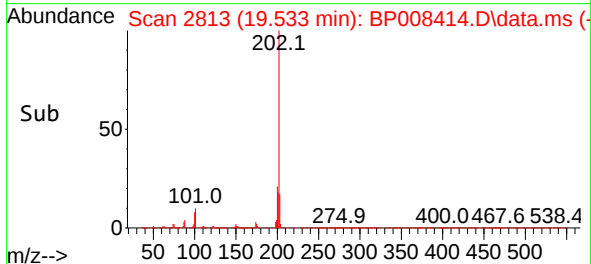
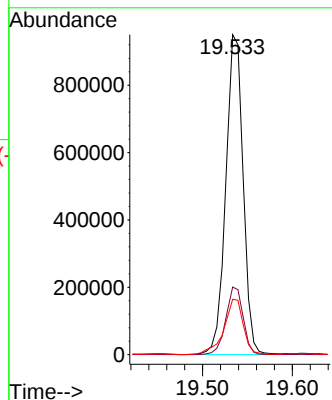
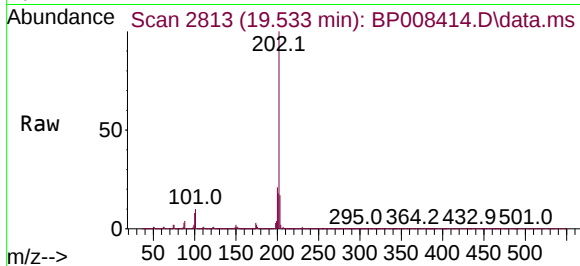




#78
 Pyrene
 Concen: 45.440 ng
 RT: 19.533 min Scan# 2813
 Delta R.T. -0.006 min
 Lab File: BP008414.D
 Acq: 15 Dec 2021 13:33

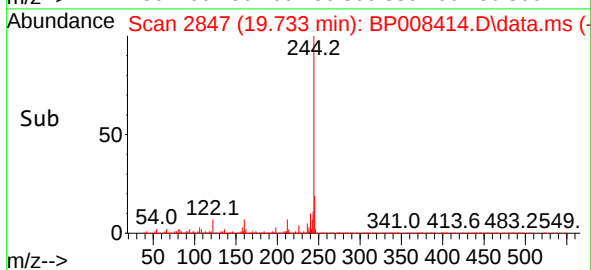
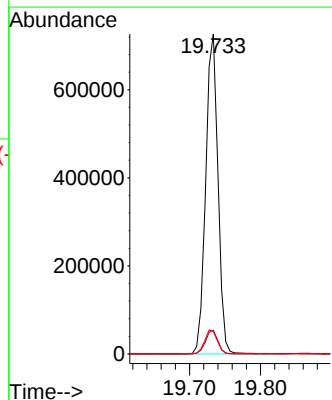
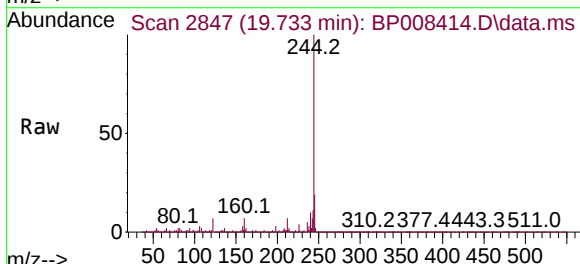
Instrument :
 BNA_P
 ClientSampleId :
 SB-19-C

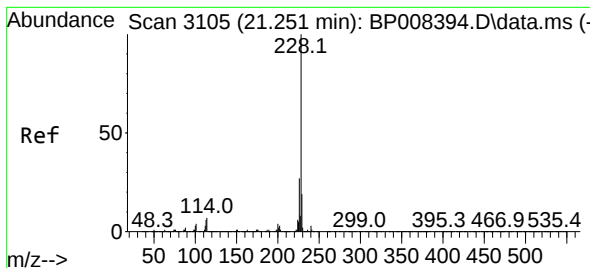
Tgt Ion:202 Resp: 1274732
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 17.3 14.2 21.2



#79
 Terphenyl-d14
 Concen: 38.748 ng
 RT: 19.733 min Scan# 2847
 Delta R.T. 0.000 min
 Lab File: BP008414.D
 Acq: 15 Dec 2021 13:33

Tgt Ion:244 Resp: 872955
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 7.0 6.6 9.8





#81

Benzo(a)anthracene

Concen: 19.888 ng

RT: 21.251 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

Instrument :

BNA_P

ClientSampleId :

SB-19-C

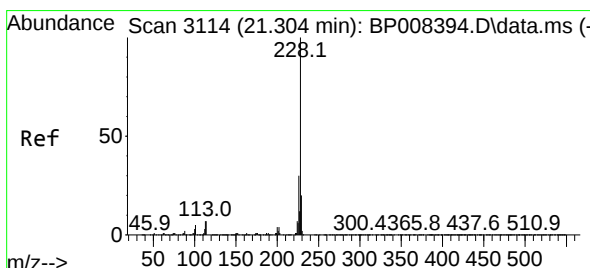
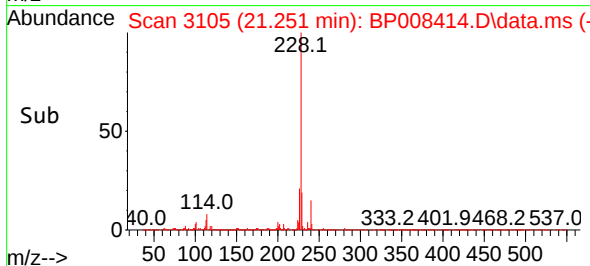
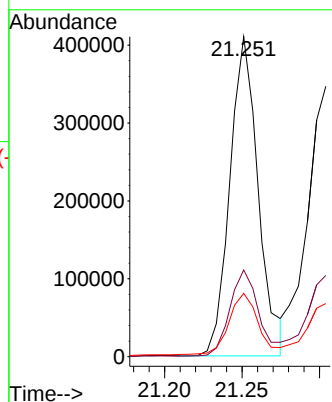
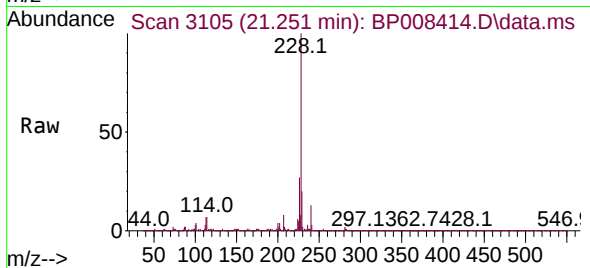
Tgt Ion:228 Resp: 522600

Ion Ratio Lower Upper

228 100

226 27.1 21.9 32.9

229 19.8 15.9 23.9



#83

Chrysene

Concen: 18.820 ng

RT: 21.304 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

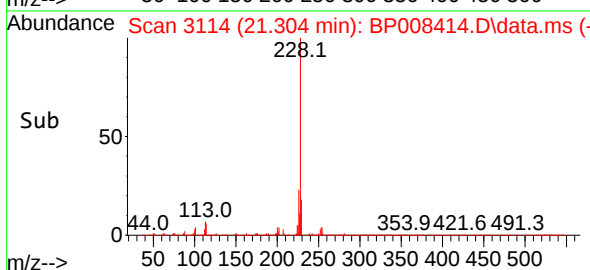
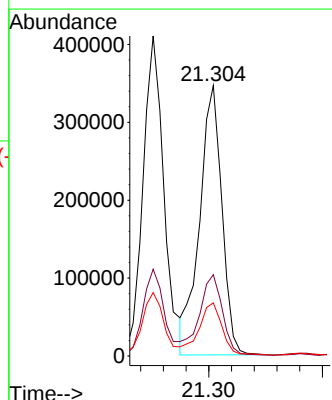
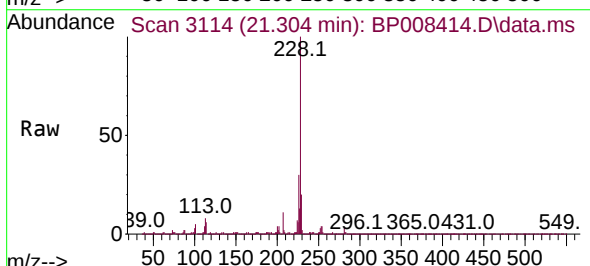
Tgt Ion:228 Resp: 472395

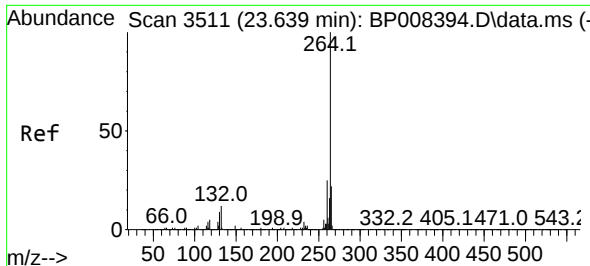
Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 19.7 15.8 23.8

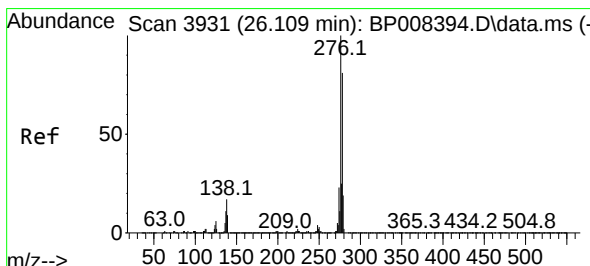
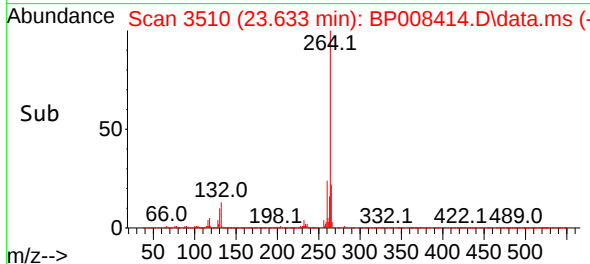
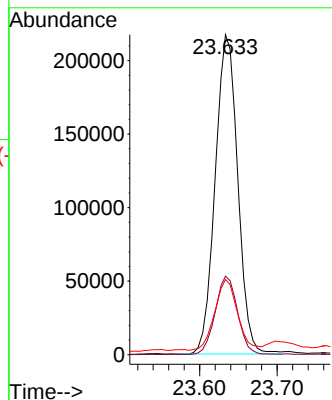
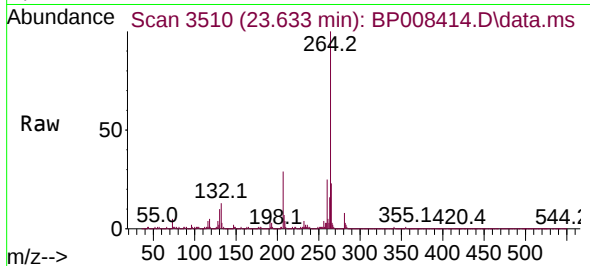




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.633 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP008414.D
 Acq: 15 Dec 2021 13:33

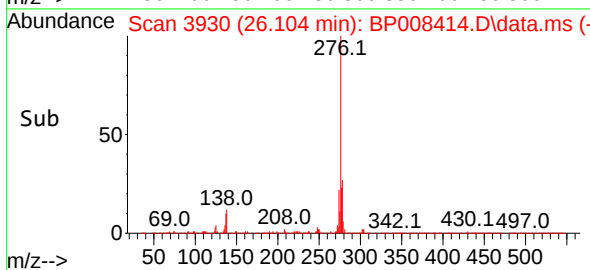
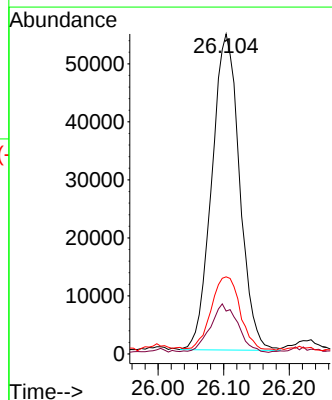
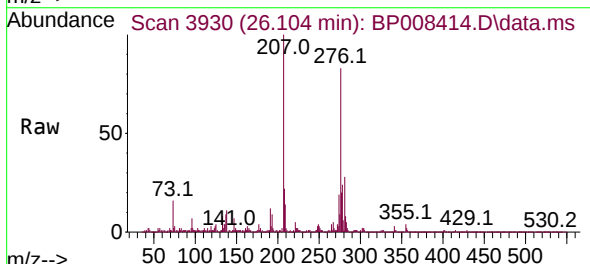
Instrument :
 BNA_P
 ClientSampleId :
 SB-19-C

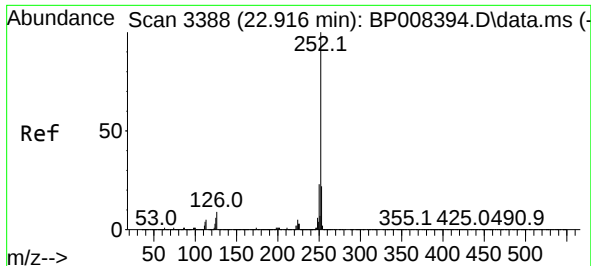
Tgt Ion:264 Resp: 439371
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.4 29.2
 265 23.5 17.6 26.4



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.625 ng
 RT: 26.104 min Scan# 3930
 Delta R.T. -0.006 min
 Lab File: BP008414.D
 Acq: 15 Dec 2021 13:33

Tgt Ion:276 Resp: 159963
 Ion Ratio Lower Upper
 276 100
 138 15.3 16.6 25.0#
 277 24.3 20.2 30.2

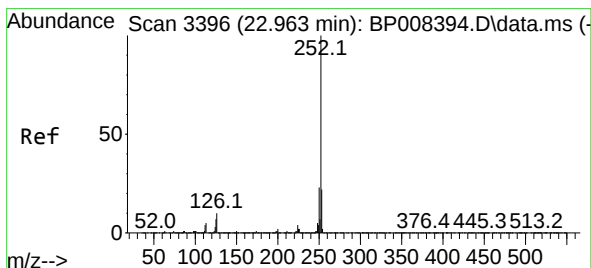
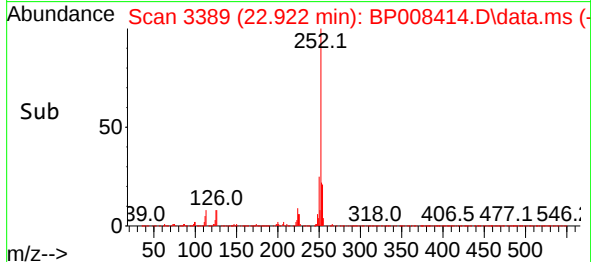
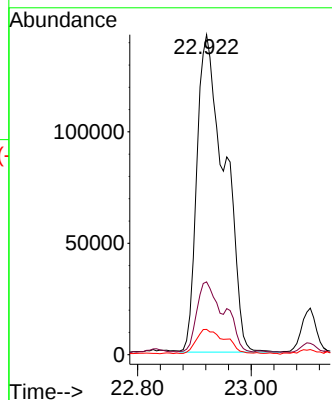
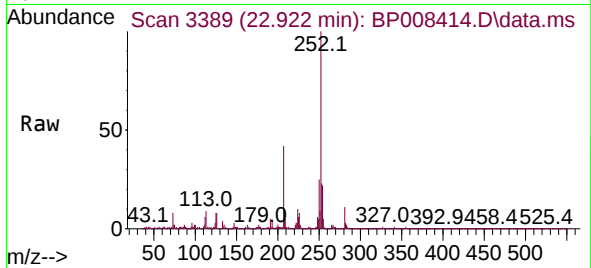




#88
Benzo(b)fluoranthene
Concen: 18.302 ng
RT: 22.922 min Scan# 3389
Delta R.T. 0.006 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

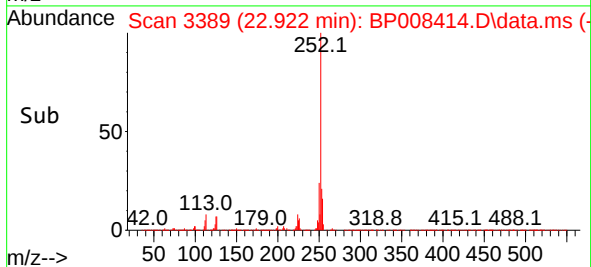
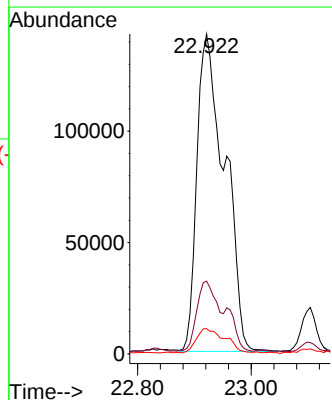
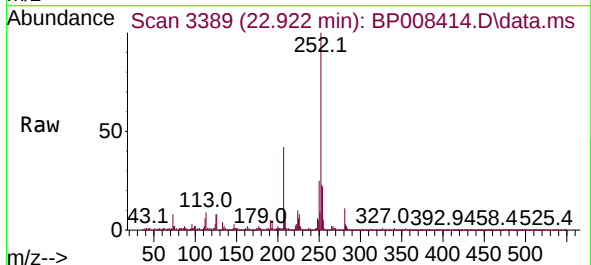
Instrument :
BNA_P
ClientSampleId :
SB-19-C

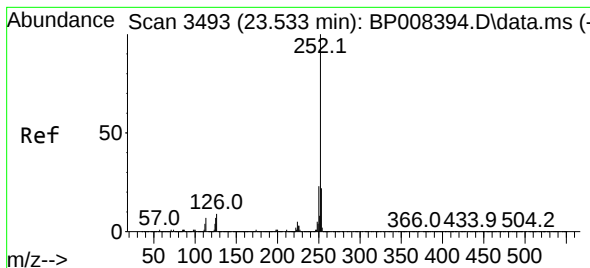
Tgt Ion:252 Resp: 483725
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 7.9 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 18.149 ng
RT: 22.922 min Scan# 3389
Delta R.T. -0.041 min
Lab File: BP008414.D
Acq: 15 Dec 2021 13:33

Tgt Ion:252 Resp: 483725
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 7.9 6.5 9.7





#90

Benzo(a)pyrene

Concen: 12.500 ng

RT: 23.533 min Scan# 34

Delta R.T. 0.000 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

Instrument :

BNA_P

ClientSampleId :

SB-19-C

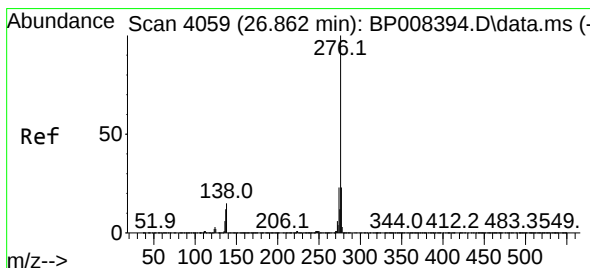
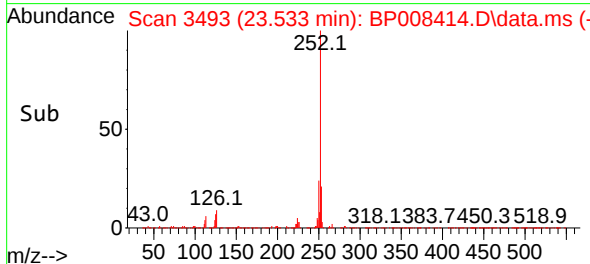
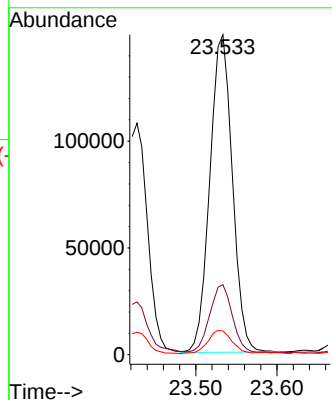
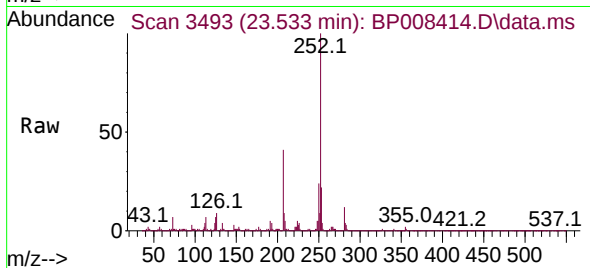
Tgt Ion:252 Resp: 286758

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 7.4 7.4 11.0



#92

Benzo(g,h,i)perylene

Concen: 5.598 ng

RT: 26.868 min Scan# 4060

Delta R.T. 0.006 min

Lab File: BP008414.D

Acq: 15 Dec 2021 13:33

Tgt Ion:276 Resp: 160495

Ion Ratio Lower Upper

276 100

277 24.1 20.0 30.0

138 15.0 14.1 21.1

