

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008419.D
 Acq On : 15 Dec 2021 16:22
 Operator : CG/JU
 Sample : M5076-13 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-20-C

Quant Time: Dec 15 16:52:42 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)

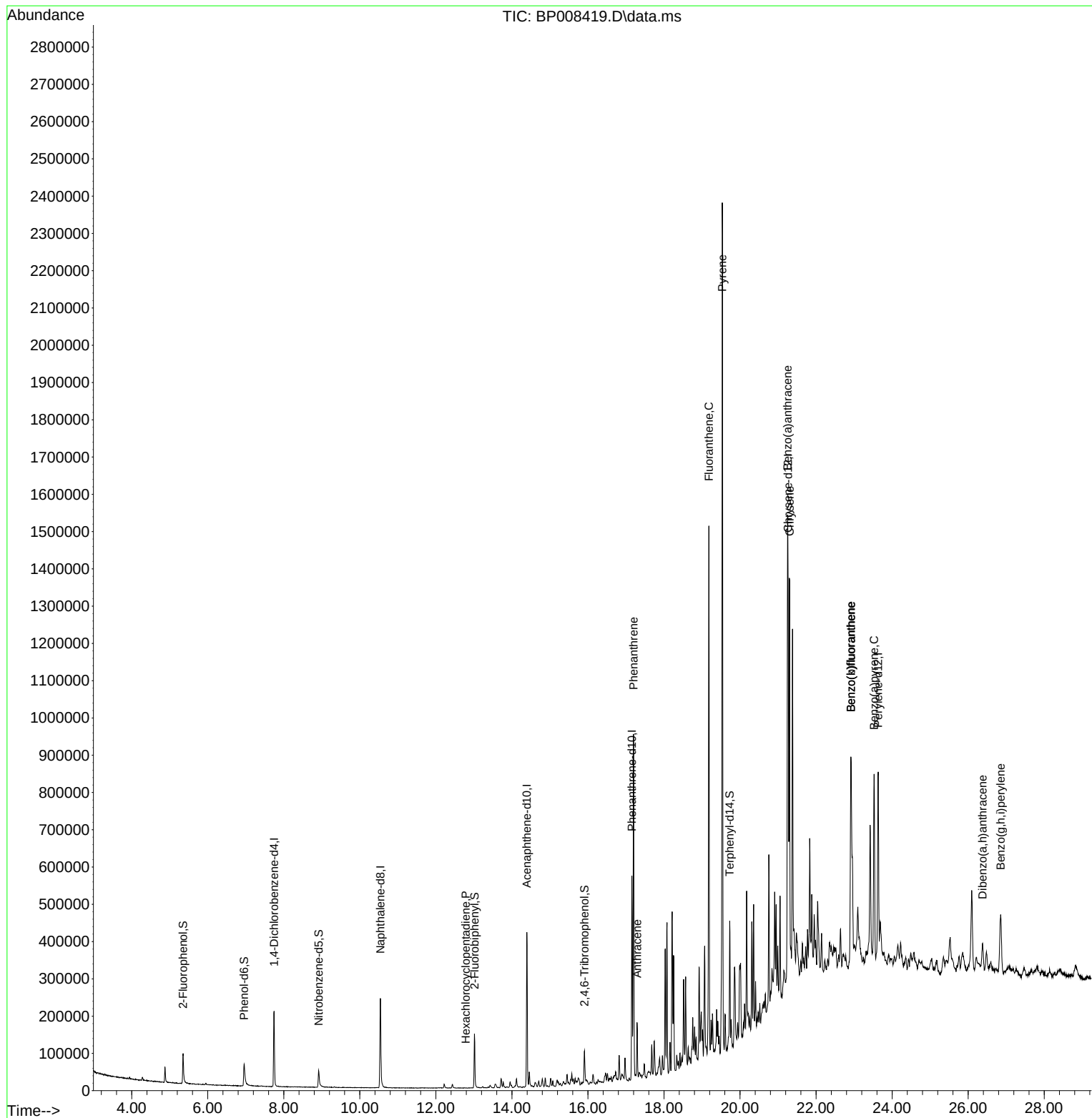
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	54398	20.000	ng	0.00
21) Naphthalene-d8	10.539	136	209923	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	142311	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	314150	20.000	ng	0.00
76) Chrysene-d12	21.262	240	358408	20.000	ng	0.00
86) Perylene-d12	23.633	264	399900	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	41090	11.929	ng	0.00
7) Phenol-d6	6.957	99	51461	11.124	ng	0.02
23) Nitrobenzene-d5	8.916	82	38343	7.738	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	20200	9.659	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	81439	7.275	ng	0.00
79) Terphenyl-d14	19.727	244	146867	7.132	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	129	Below Cal	#	54
9) Benzaldehyde	6.922	77	157	Below Cal	#	71
41) Hexachlorocyclopentadiene	12.786	237	10	8.658	ng	82
71) Phenanthrene	17.198	178	522300	30.692	ng	99
72) Anthracene	17.292	178	93487	5.568	ng	99
75) Fluoranthene	19.180	202	757302	39.417	ng	99
78) Pyrene	19.533	202	1373711	53.571	ng	100
81) Benzo(a)anthracene	21.251	228	597323	24.868	ng	99
83) Chrysene	21.304	228	551947	24.057	ng	99
88) Benzo(b)fluoranthene	22.915	252	600599	24.967	ng	98
89) Benzo(k)fluoranthene	22.915	252	600599	24.758	ng	97
90) Benzo(a)pyrene	23.527	252	384499	18.415	ng	98
91) Dibenzo(a,h)anthracene	26.380	278	62362	2.367	ng	94
92) Benzo(g,h,i)perylene	26.856	276	217440	8.333	ng	97

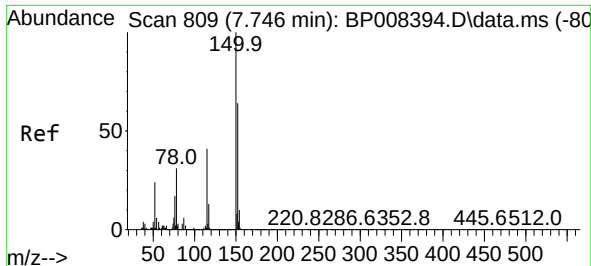
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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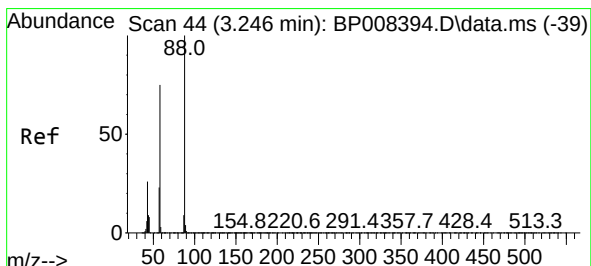
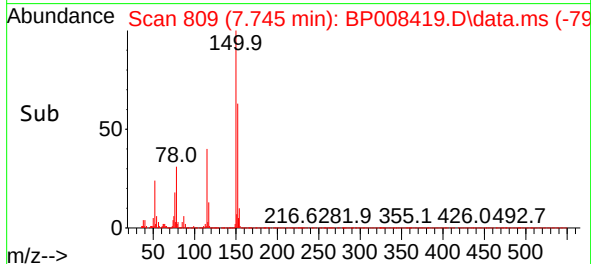
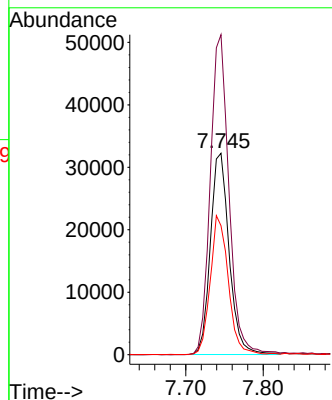
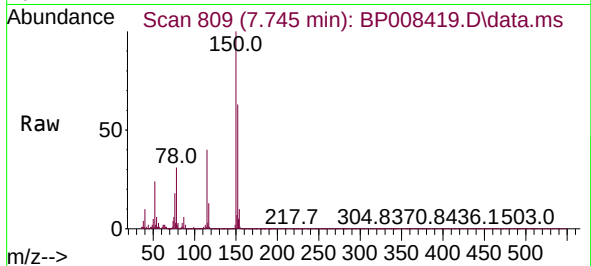




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.745 min Scan# 80
 Delta R.T. -0.001 min
 Lab File: BP008419.D
 Acq: 15 Dec 2021 16:22

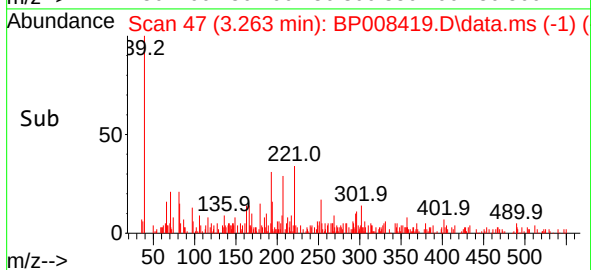
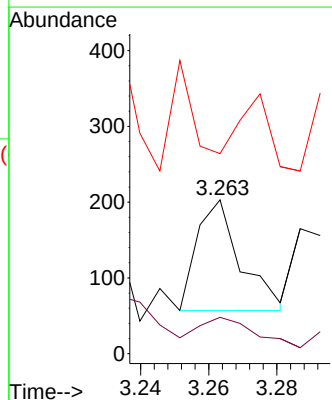
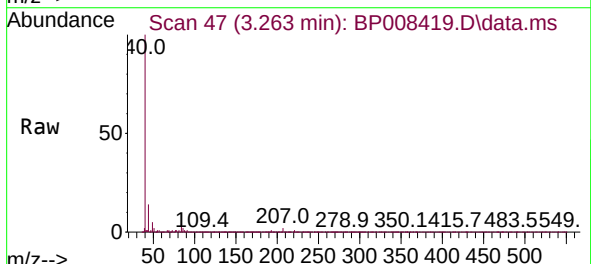
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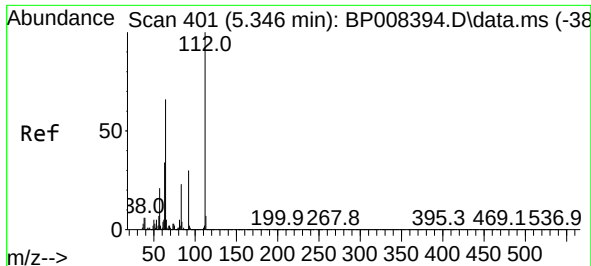
Tgt Ion:152 Resp: 54398
 Ion Ratio Lower Upper
 152 100
 150 158.9 125.7 188.5
 115 64.0 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.263 min Scan# 47
 Delta R.T. 0.017 min
 Lab File: BP008419.D
 Acq: 15 Dec 2021 16:22

Tgt Ion: 88 Resp: 129
 Ion Ratio Lower Upper
 88 100
 58 34.9 63.5 95.3#
 43 48.1 23.4 35.2#

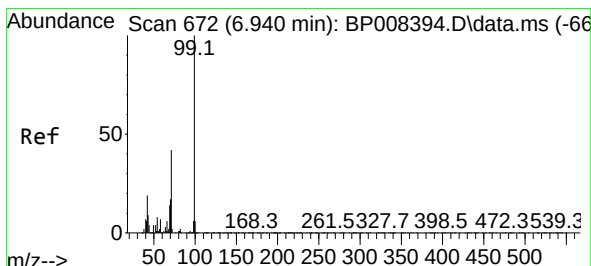
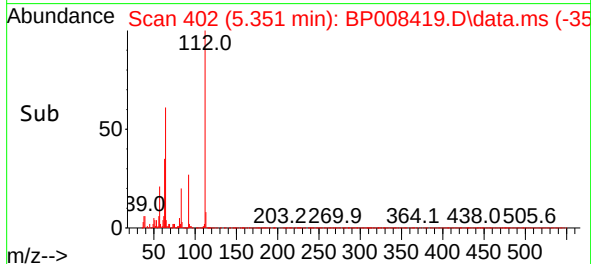
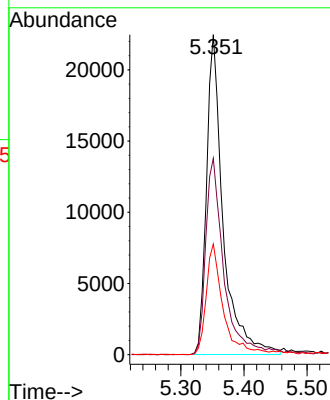
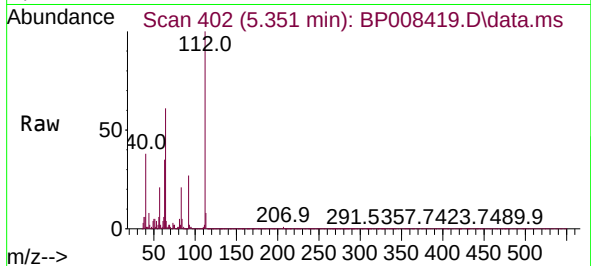




#5
2-Fluorophenol
Concen: 11.929 ng
RT: 5.351 min Scan# 401
Delta R.T. 0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

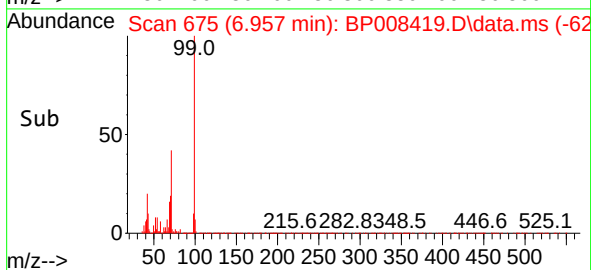
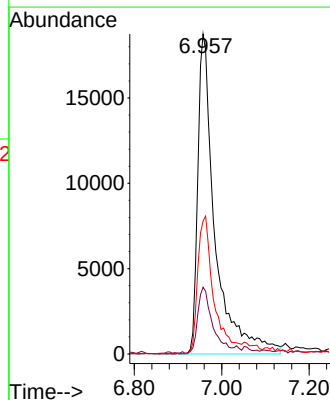
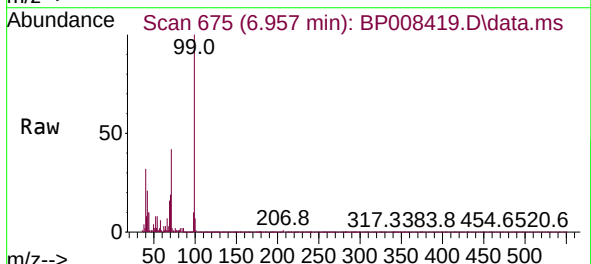
Instrument :
BNA_P
ClientSampleId :
SB-20-C

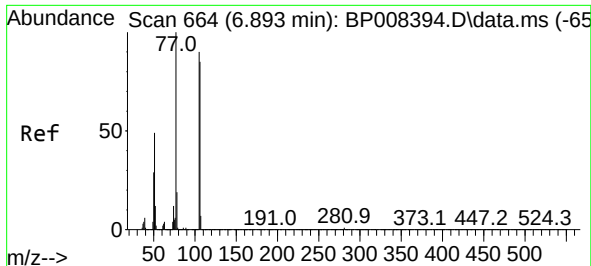
Tgt Ion:112 Resp: 41090
Ion Ratio Lower Upper
112 100
64 61.4 53.4 80.2
63 34.6 27.8 41.8



#7
Phenol-d6
Concen: 11.124 ng
RT: 6.957 min Scan# 675
Delta R.T. 0.017 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion: 99 Resp: 51461
Ion Ratio Lower Upper
99 100
42 20.8 14.6 22.0
71 41.6 31.1 46.7

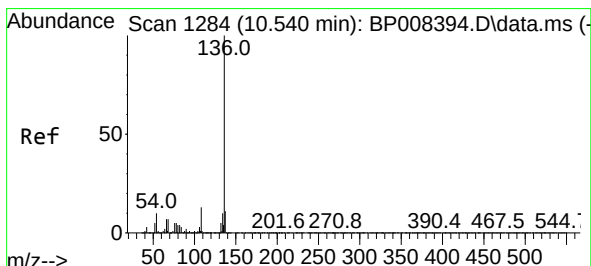
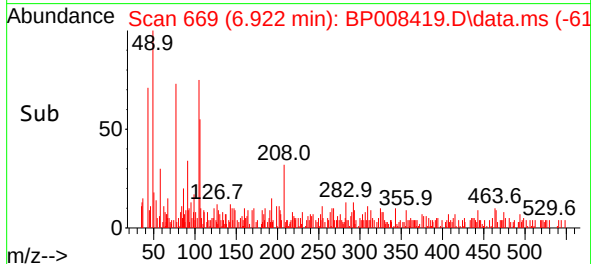
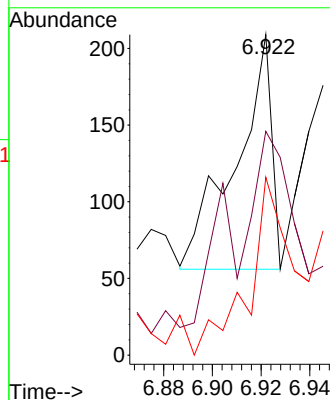
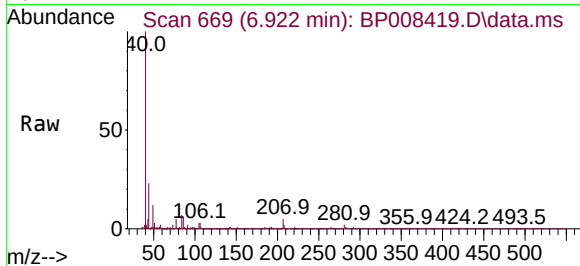




#9
Benzaldehyde
Concen: Below Cal
RT: 6.922 min Scan# 60
Delta R.T. 0.029 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

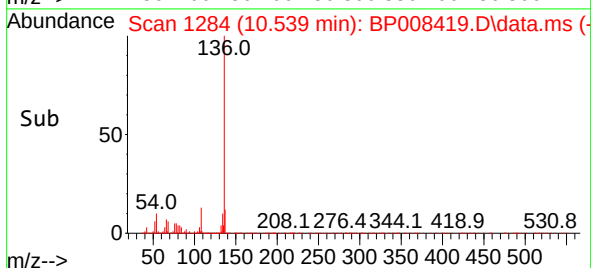
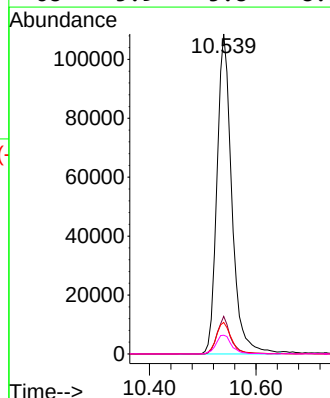
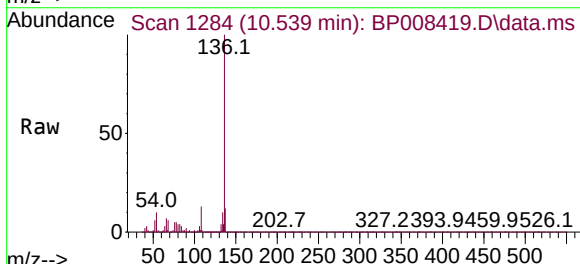
Instrument :
BNA_P
ClientSampleId :
SB-20-C

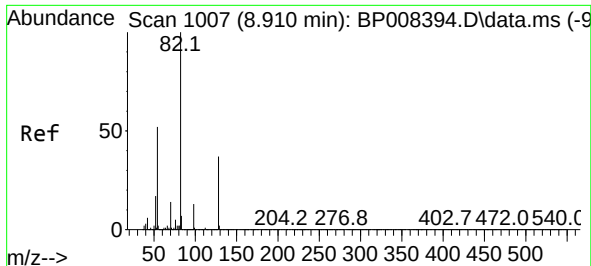
Tgt Ion: 77 Resp: 157
Ion Ratio Lower Upper
77 100
105 69.9 71.8 111.8#
106 55.5 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.001 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:136 Resp: 209923
Ion Ratio Lower Upper
136 100
137 11.8 9.0 13.6
54 9.9 8.2 12.4
68 5.9 5.8 8.8





#23

Nitrobenzene-d5

Concen: 7.738 ng

RT: 8.916 min Scan# 10

Delta R.T. 0.006 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

Instrument :

BNA_P

ClientSampleId :

SB-20-C

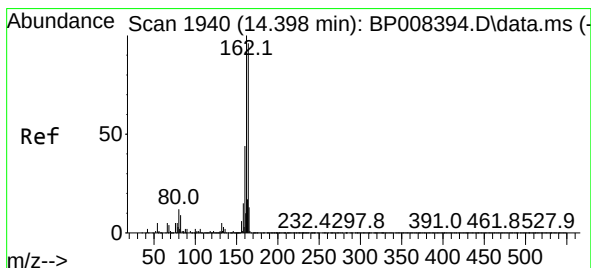
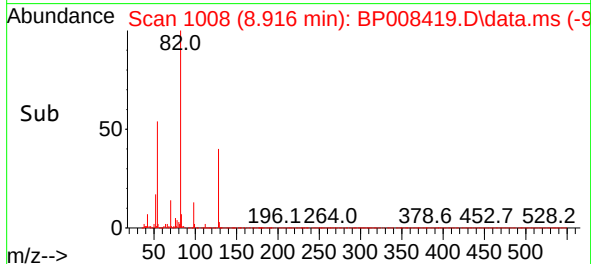
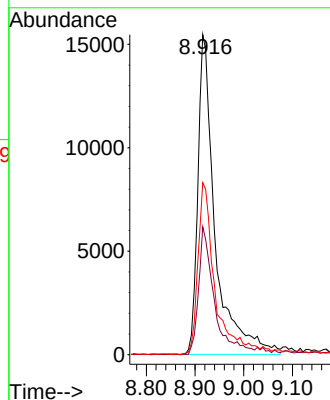
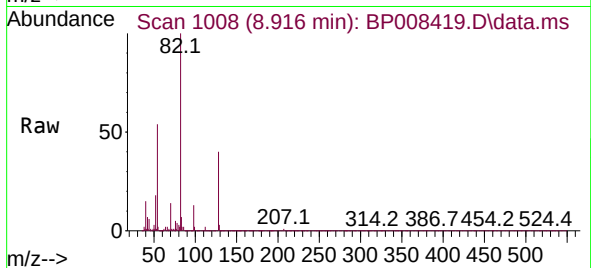
Tgt Ion: 82 Resp: 38343

Ion Ratio Lower Upper

82 100

128 39.9 29.6 44.4

54 53.8 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

Delta R.T. -0.006 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

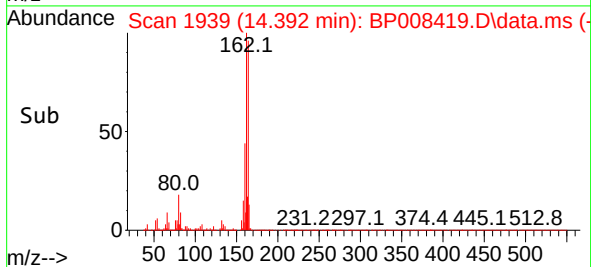
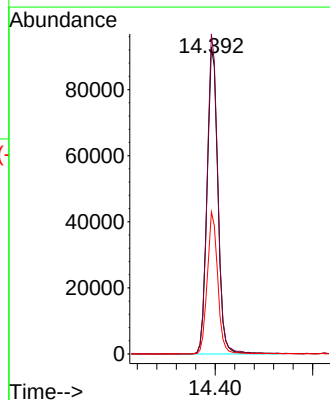
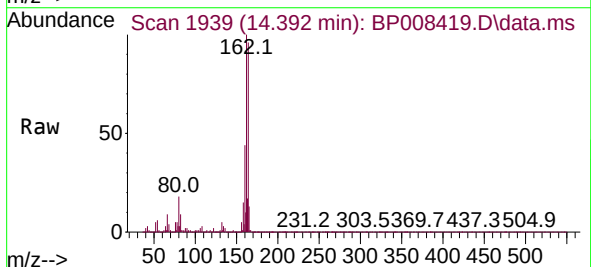
Tgt Ion: 164 Resp: 142311

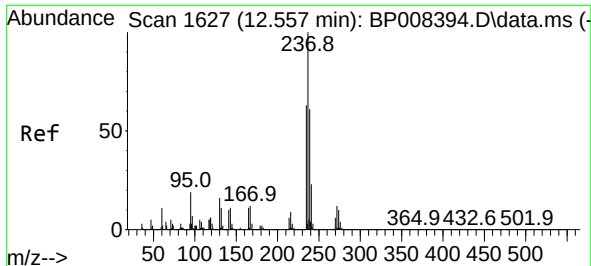
Ion Ratio Lower Upper

164 100

162 104.2 81.9 122.9

160 46.3 35.4 53.0

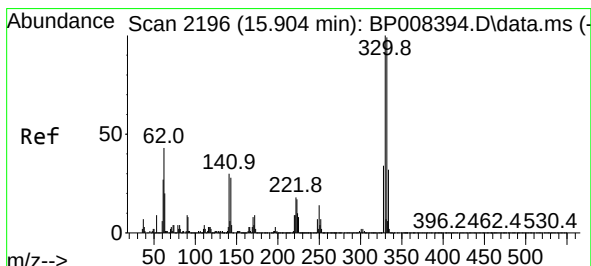
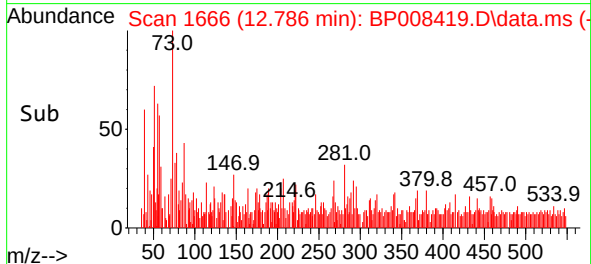
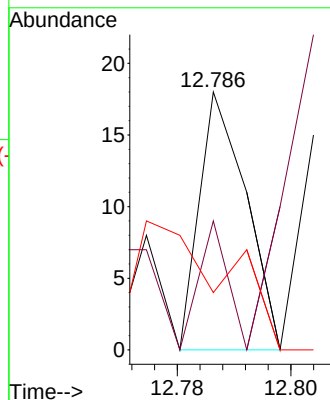
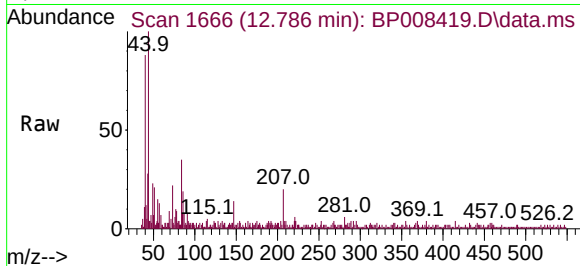




#41
Hexachlorocyclopentadiene
Concen: 8.658 ng
RT: 12.786 min Scan# 1666
Delta R.T. 0.229 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

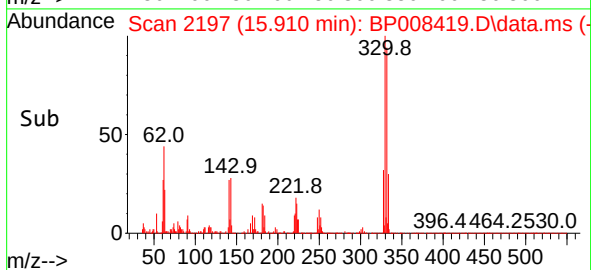
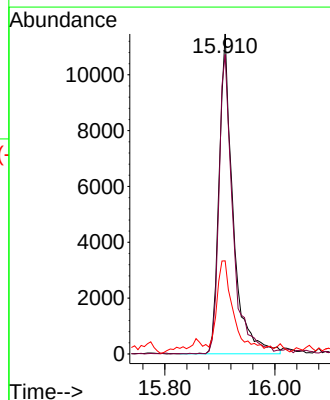
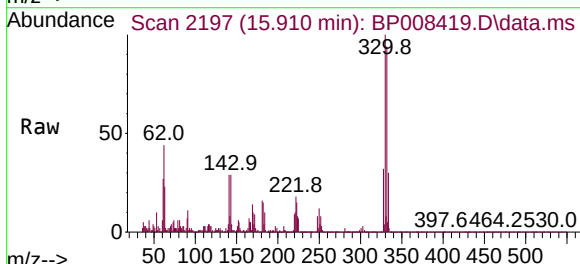
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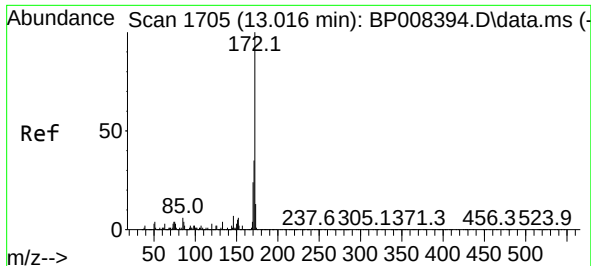
Tgt Ion:	237	Resp:	10
Ion	Ratio	Lower	Upper
237	100		
235	50.0	42.3	82.3
272	22.2	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 9.659 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:	330	Resp:	20200
Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.0	115.4
141	32.7	28.4	42.6

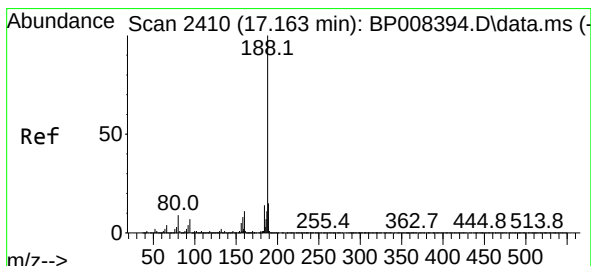
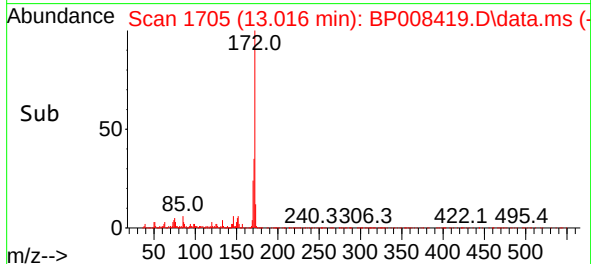
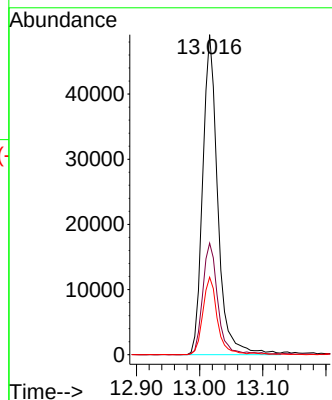
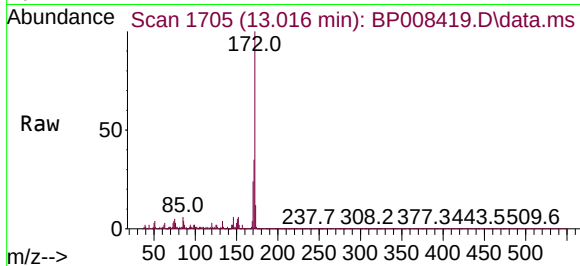




#45
2-Fluorobiphenyl
Concen: 7.275 ng
RT: 13.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

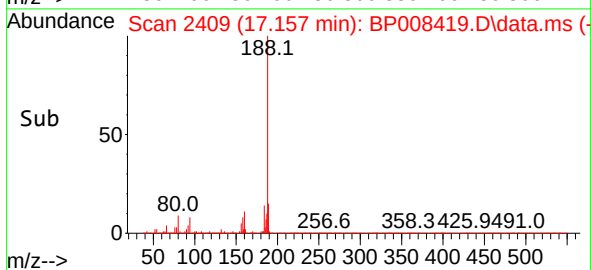
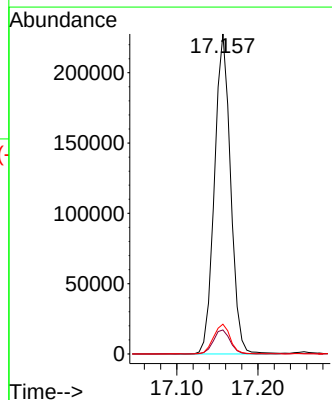
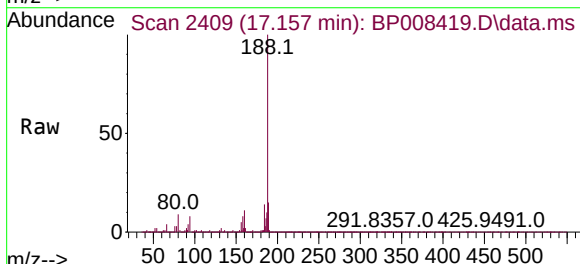
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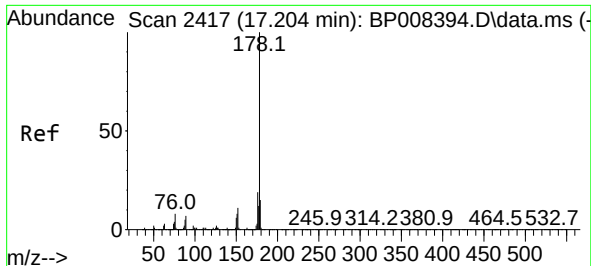
Tgt Ion:172 Resp: 81439
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 24.2 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:188 Resp: 314150
Ion Ratio Lower Upper
188 100
94 7.5 7.2 10.8
80 9.3 8.2 12.4

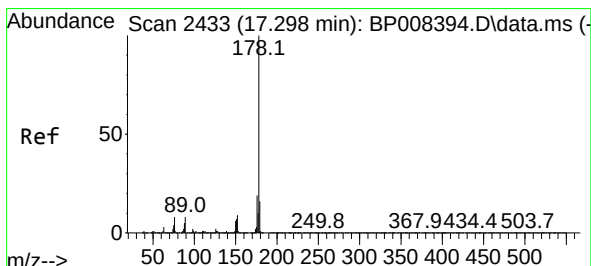
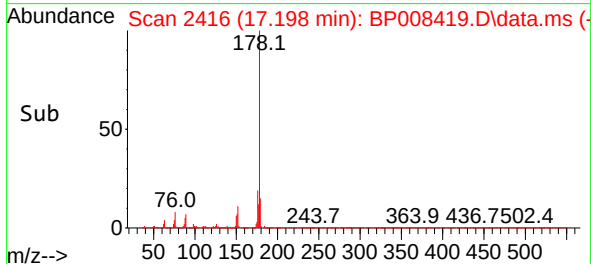
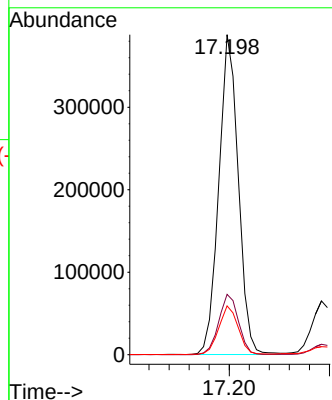
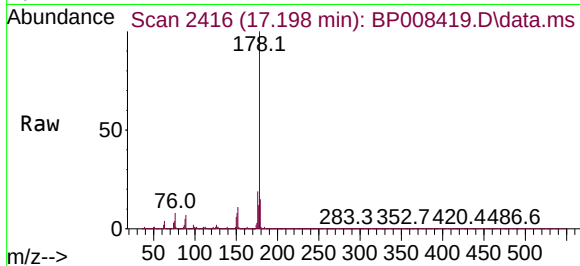




#71
Phenanthrene
Concen: 30.692 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

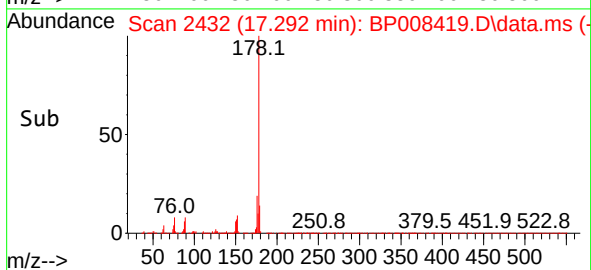
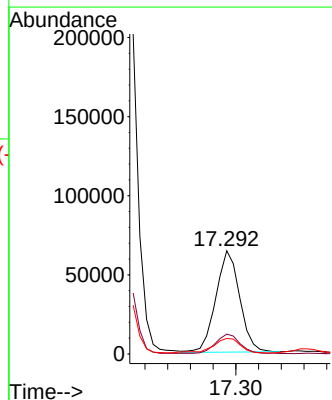
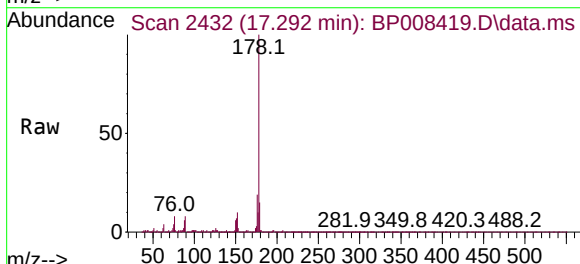
Instrument :
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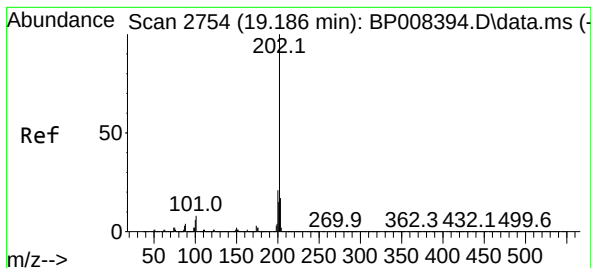
Tgt Ion:178 Resp: 522300
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.3 12.5 18.7



#72
Anthracene
Concen: 5.568 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:178 Resp: 93487
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.0 12.3 18.5





#75

Fluoranthene

Concen: 39.417 ng

RT: 19.180 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

Instrument :

BNA_P

ClientSampleId :

SB-20-C

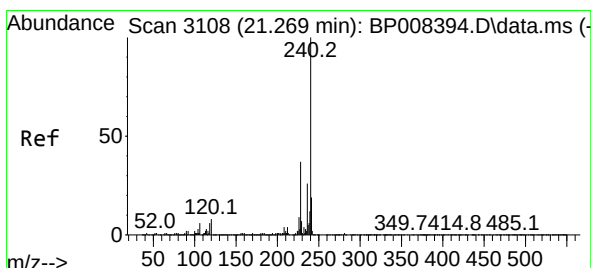
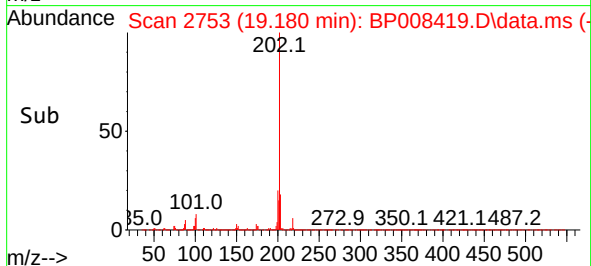
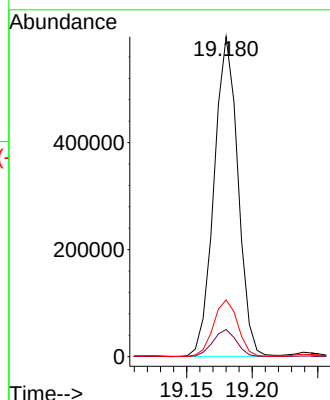
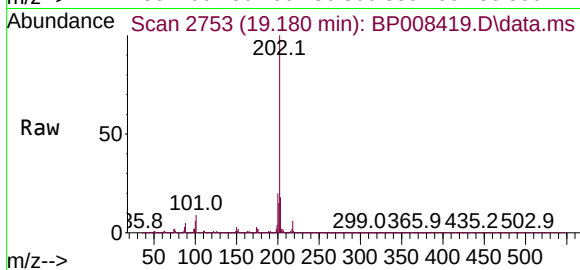
Tgt Ion:202 Resp: 757302

Ion Ratio Lower Upper

202 100

101 8.5 0.0 29.8

203 17.8 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.262 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

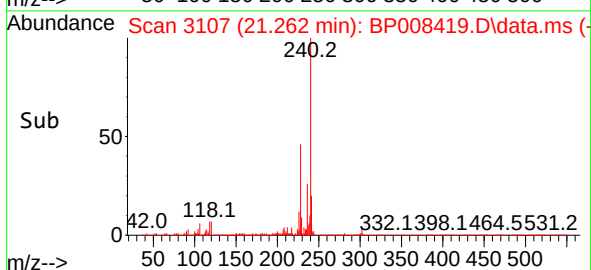
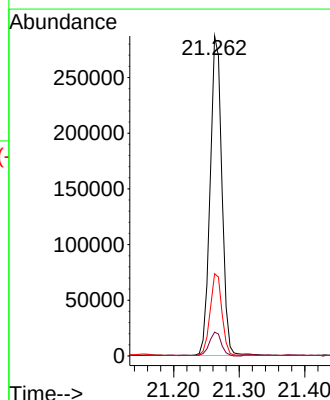
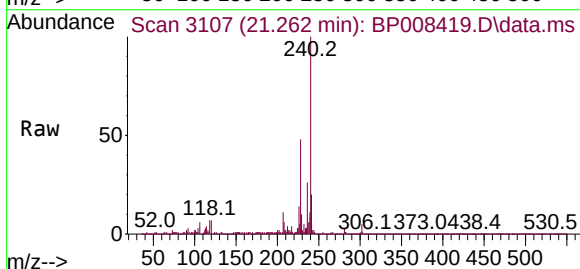
Tgt Ion:240 Resp: 358408

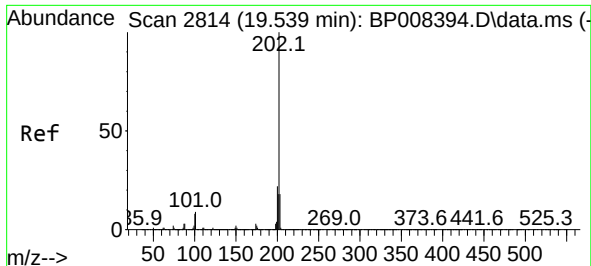
Ion Ratio Lower Upper

240 100

120 7.4 7.3 10.9

236 25.7 21.4 32.2

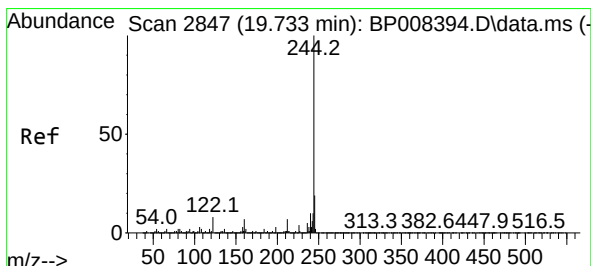
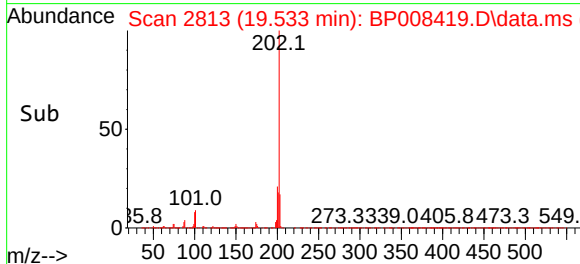
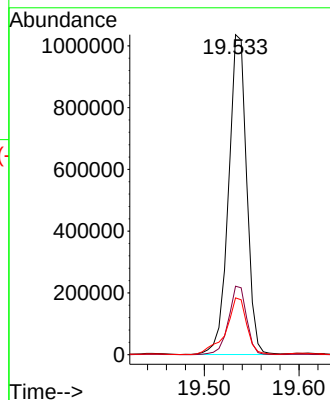
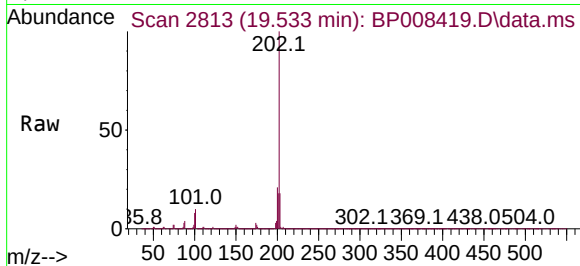




#78
Pyrene
Concen: 53.571 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

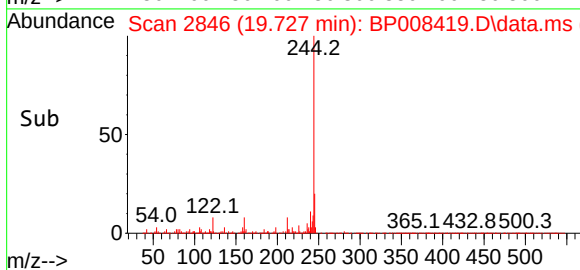
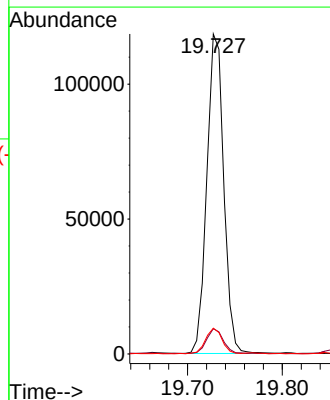
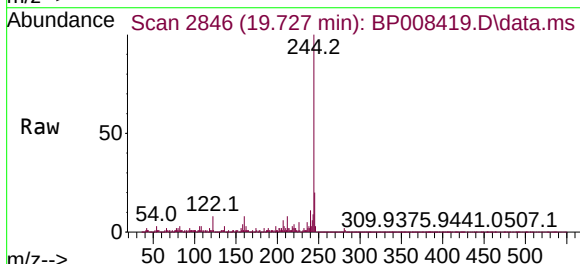
Instrument :
BNA_P
ClientSampleId :
SB-20-C

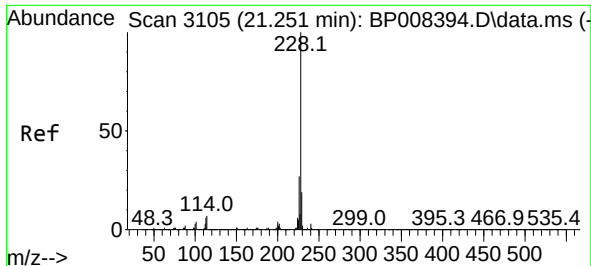
Tgt Ion:202 Resp: 1373711
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.8 14.2 21.2



#79
Terphenyl-d14
Concen: 7.132 ng
RT: 19.727 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:244 Resp: 146867
Ion Ratio Lower Upper
244 100
212 7.9 6.0 9.0
122 8.0 6.6 9.8

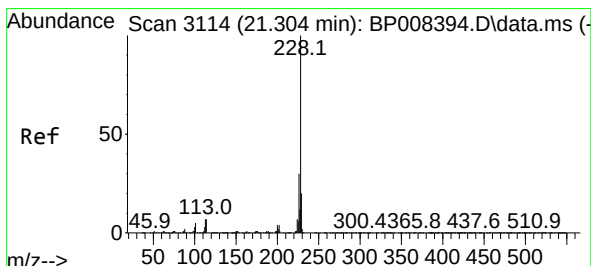
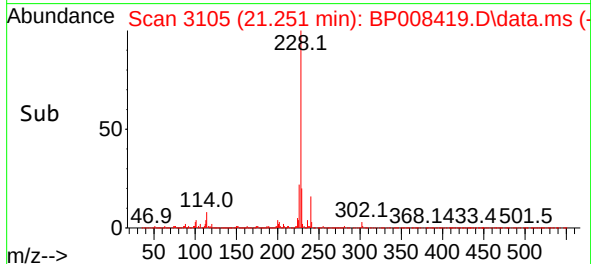
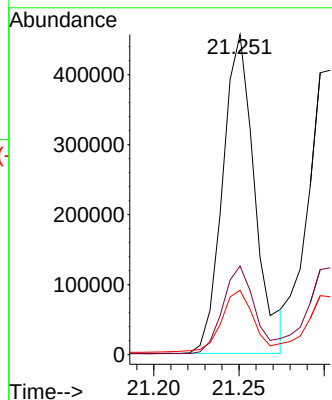
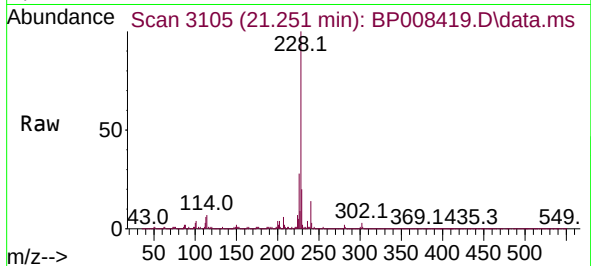




#81
Benzo(a)anthracene
Concen: 24.868 ng
RT: 21.251 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

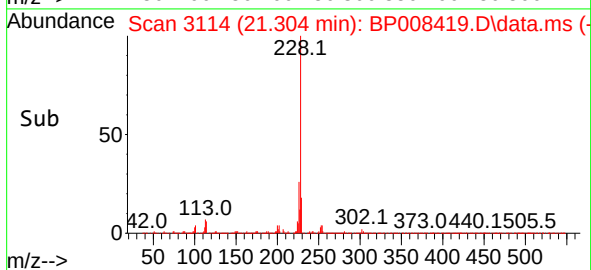
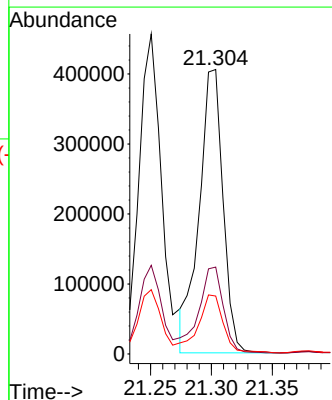
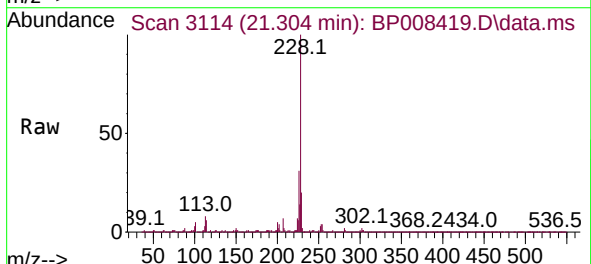
Instrument :
BNA_P
ClientSampleId :
SB-20-C

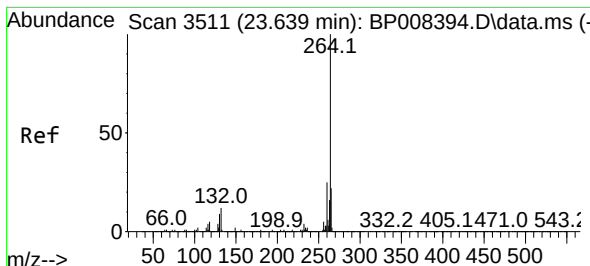
Tgt Ion:228 Resp: 597323
Ion Ratio Lower Upper
228 100
226 27.7 21.9 32.9
229 20.1 15.9 23.9



#83
Chrysene
Concen: 24.057 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:228 Resp: 551947
Ion Ratio Lower Upper
228 100
226 30.5 24.0 36.0
229 20.4 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: BP008419.D

Acq: 15 Dec 2021 16:22

Instrument :

BNA_P

ClientSampleId :

SB-20-C

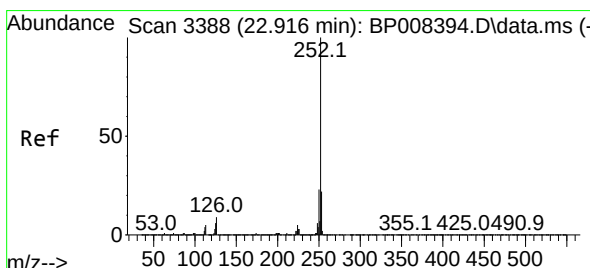
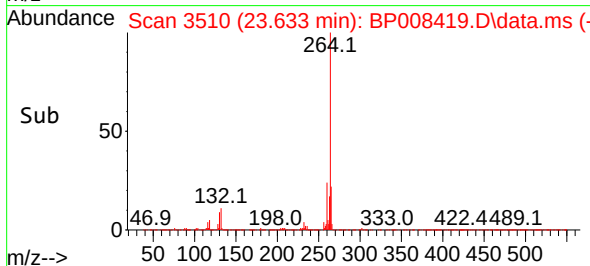
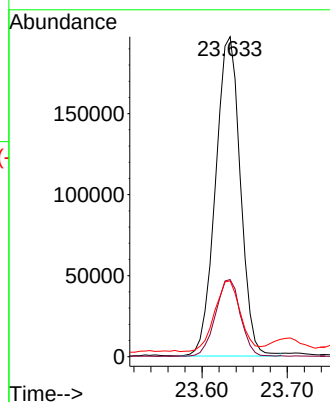
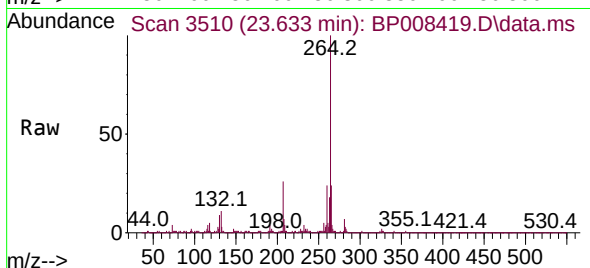
Tgt Ion:264 Resp: 399900

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 23.7 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 24.967 ng

RT: 22.915 min Scan# 3388

Delta R.T. -0.000 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

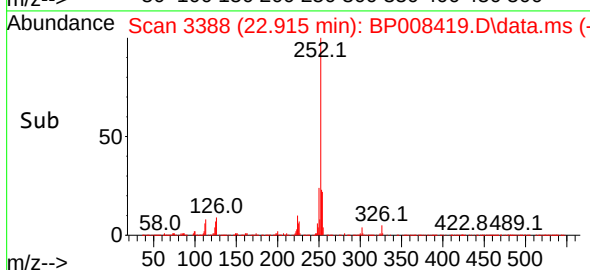
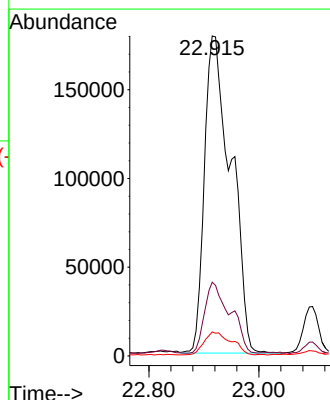
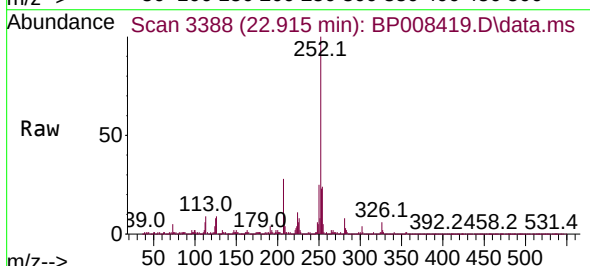
Tgt Ion:252 Resp: 600599

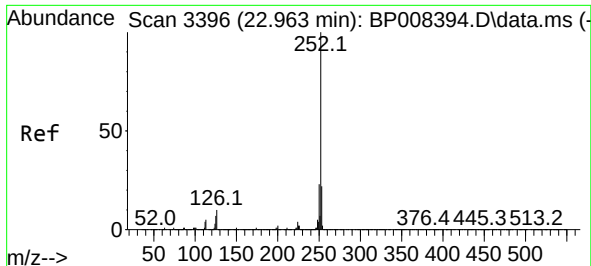
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 7.5 6.2 9.4

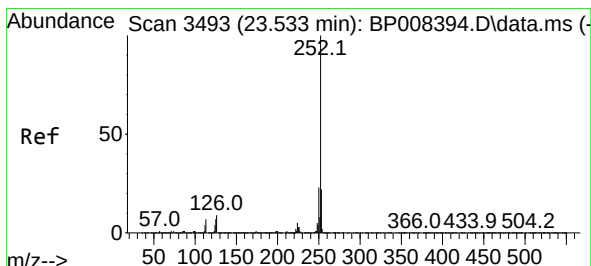
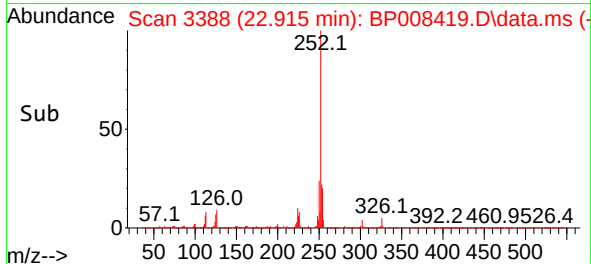
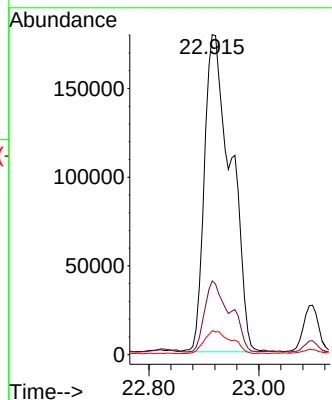
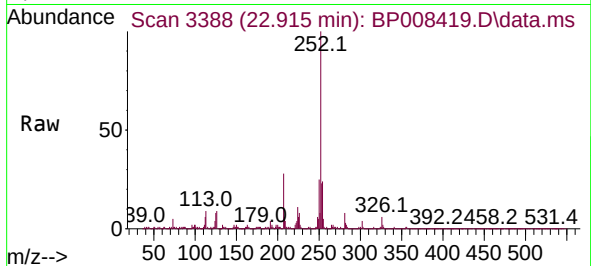




#89
Benzo(k)fluoranthene
Concen: 24.758 ng
RT: 22.915 min Scan# 31
Delta R.T. -0.047 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

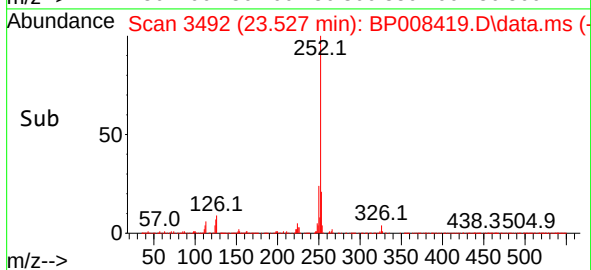
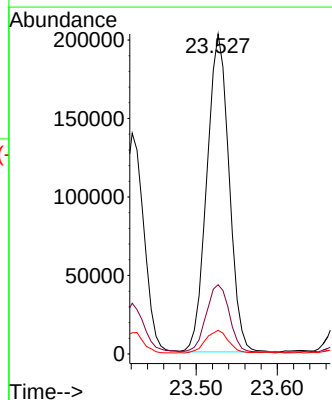
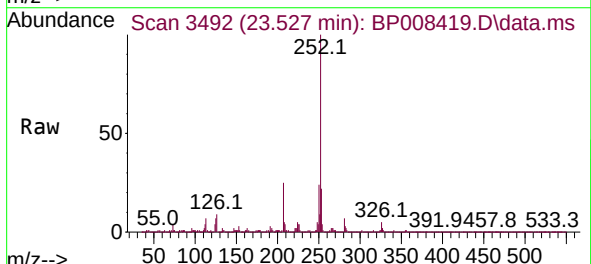
Instrument :
BNA_P
ClientSampleId :
SB-20-C

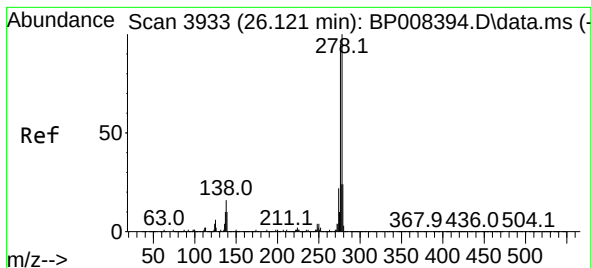
Tgt Ion:252 Resp: 600599
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 7.5 6.5 9.7



#90
Benzo(a)pyrene
Concen: 18.415 ng
RT: 23.527 min Scan# 3492
Delta R.T. -0.006 min
Lab File: BP008419.D
Acq: 15 Dec 2021 16:22

Tgt Ion:252 Resp: 384499
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 7.4 7.4 11.0





#91

Dibenzo(a,h)anthracene

Concen: 2.367 ng

RT: 26.380 min Scan# 3933

Delta R.T. 0.259 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

Instrument :

BNA_P

ClientSampleId :

SB-20-C

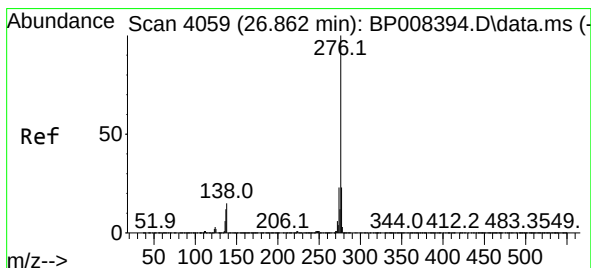
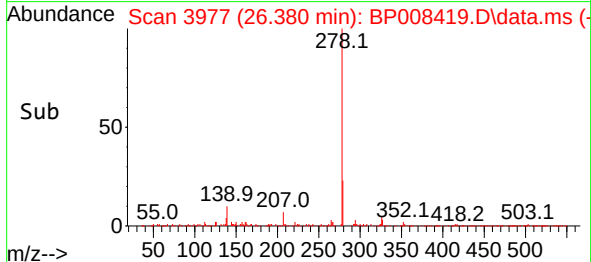
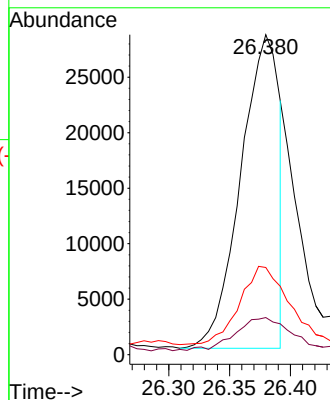
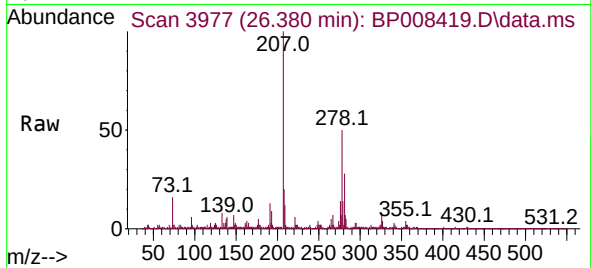
Tgt Ion:278 Resp: 62362

Ion Ratio Lower Upper

278 100

139 11.6 10.8 16.2

279 27.3 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 8.333 ng

RT: 26.856 min Scan# 4058

Delta R.T. -0.006 min

Lab File: BP008419.D

Acq: 15 Dec 2021 16:22

Tgt Ion:276 Resp: 217440

Ion Ratio Lower Upper

276 100

277 25.1 20.0 30.0

138 15.0 14.1 21.1

