

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008422.D
 Acq On : 15 Dec 2021 18:08
 Operator : CG/JU
 Sample : M5017-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP1

Quant Time: Dec 15 18:55:50 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)

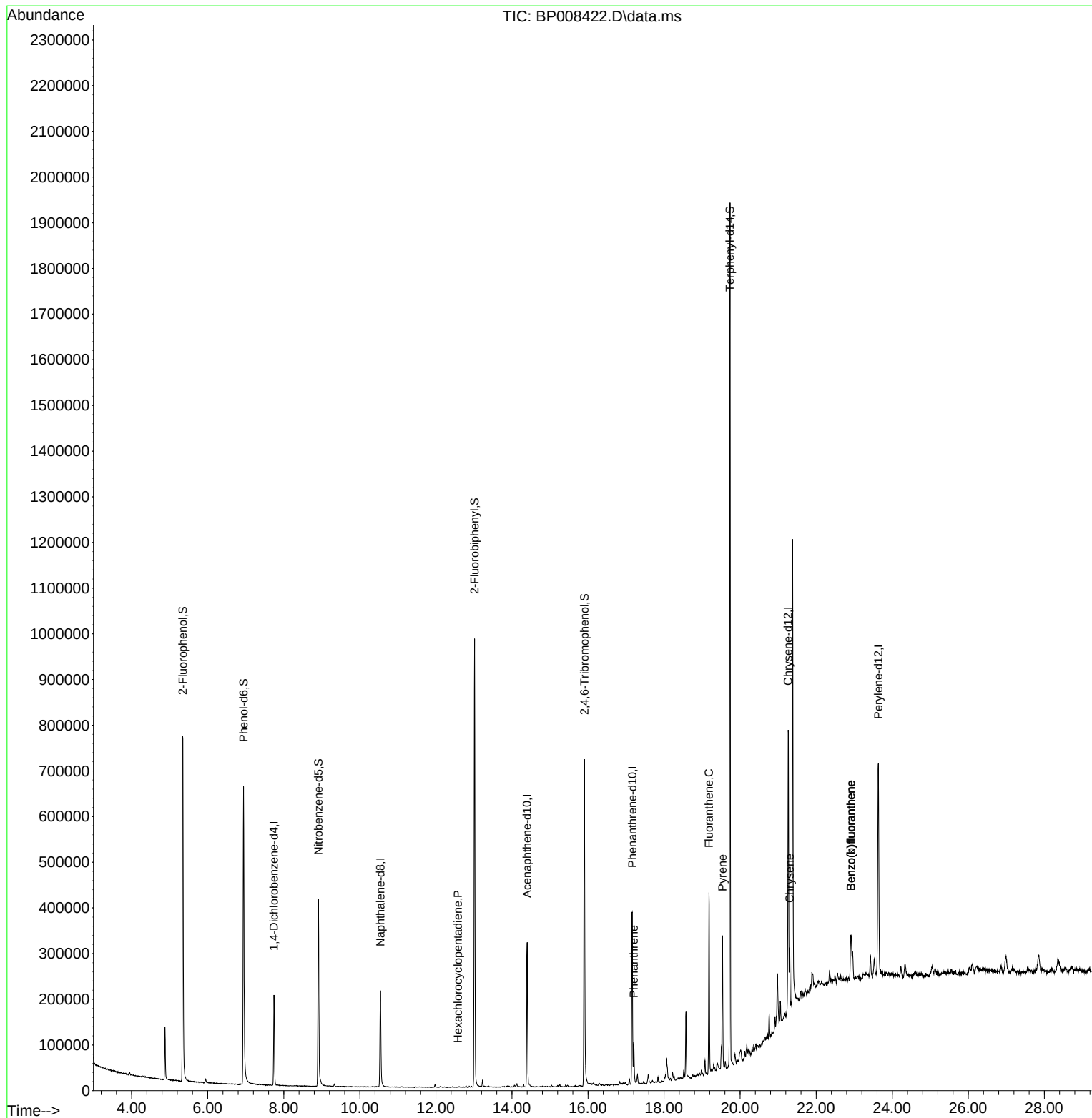
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	50636	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	178259	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	113430	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	240508	20.000	ng	0.00
76) Chrysene-d12	21.263	240	303506	20.000	ng	0.00
86) Perylene-d12	23.633	264	360457	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	322875	100.698	ng	0.00
7) Phenol-d6	6.940	99	398294	92.490	ng	0.00
23) Nitrobenzene-d5	8.910	82	262964	62.496	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	156421	93.837	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	512875	57.477	ng	0.00
79) Terphenyl-d14	19.733	244	870039	49.890	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.246	88	189	Below Cal	#	56
9) Benzaldehyde	6.887	77	82	Below Cal	#	30
41) Hexachlorocyclopentadiene	12.575	237	10	8.659	ng	87
71) Phenanthrene	17.204	178	56288	4.320	ng	99
75) Fluoranthene	19.180	202	234361	15.933	ng	98
78) Pyrene	19.533	202	180422	8.309	ng	98
83) Chrysene	21.304	228	84154	4.331	ng	98
88) Benzo(b)fluoranthene	22.916	252	80290	3.703	ng	97
89) Benzo(k)fluoranthene	22.916	252	80290	3.672	ng	97

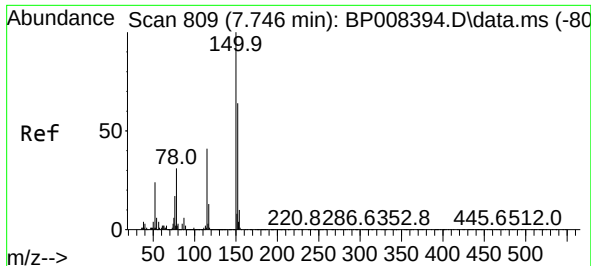
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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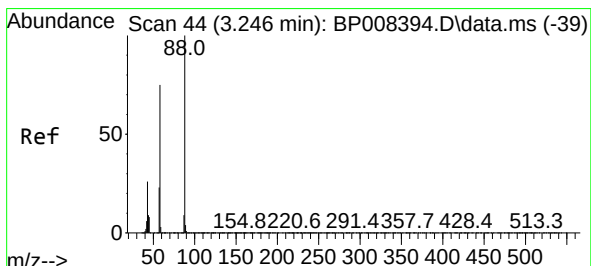
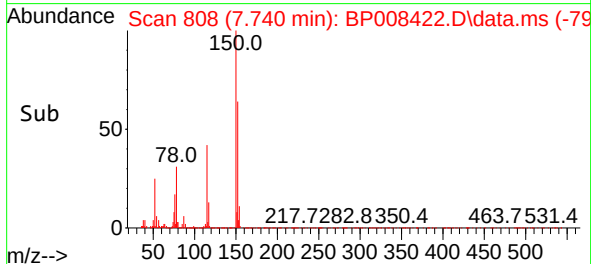
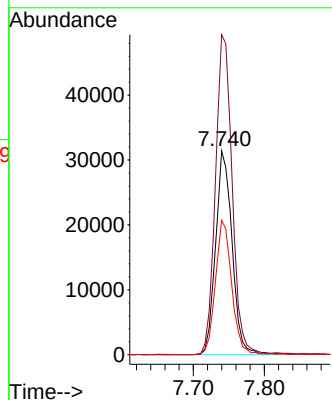
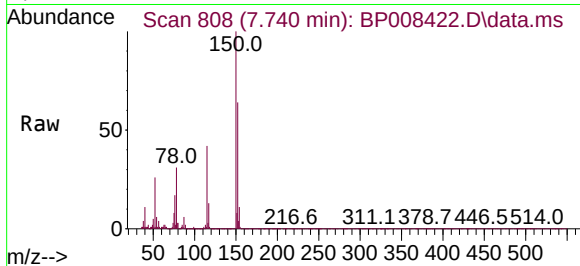




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 809
 Delta R.T. -0.006 min
 Lab File: BP008422.D
 Acq: 15 Dec 2021 18:08

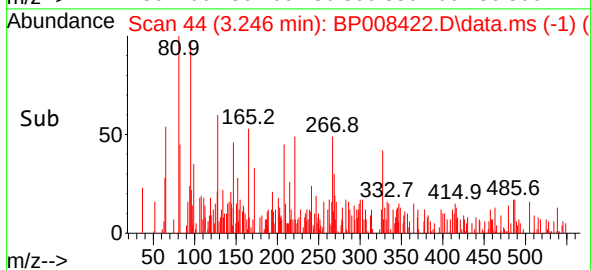
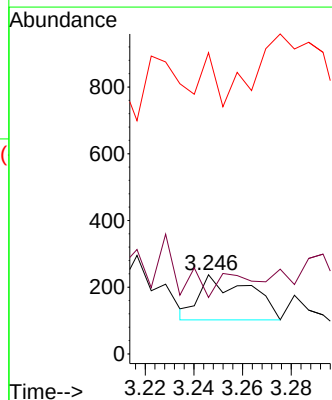
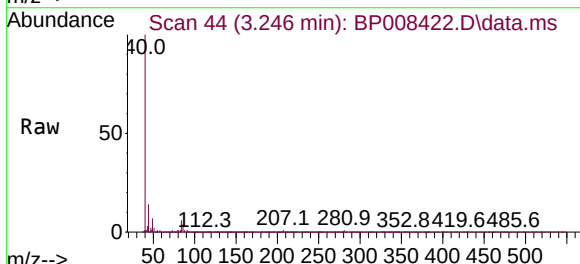
Instrument :
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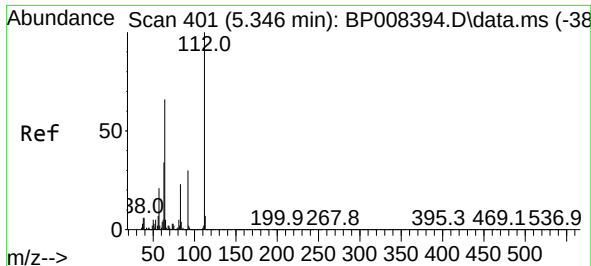
Tgt Ion:152 Resp: 50636
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.7 188.5
 115 66.0 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.246 min Scan# 44
 Delta R.T. 0.000 min
 Lab File: BP008422.D
 Acq: 15 Dec 2021 18:08

Tgt Ion: 88 Resp: 189
 Ion Ratio Lower Upper
 88 100
 58 43.9 63.5 95.3#
 43 0.0 23.4 35.2#

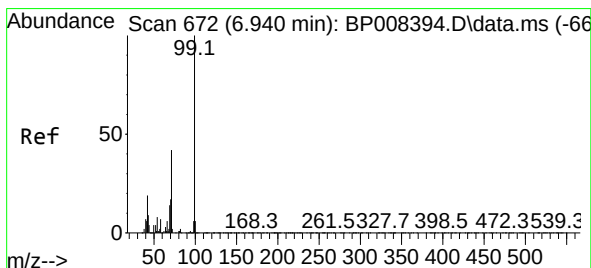
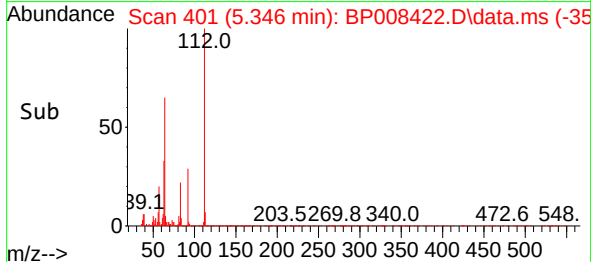
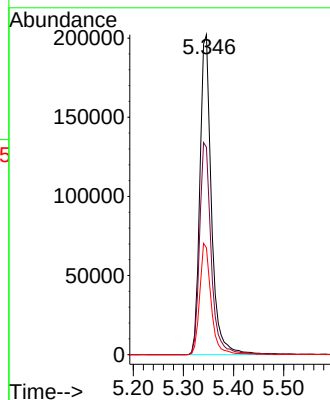
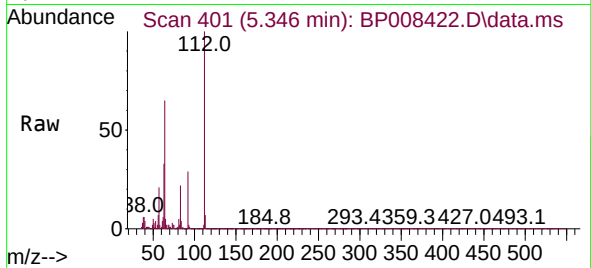




#5
2-Fluorophenol
Concen: 100.698 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

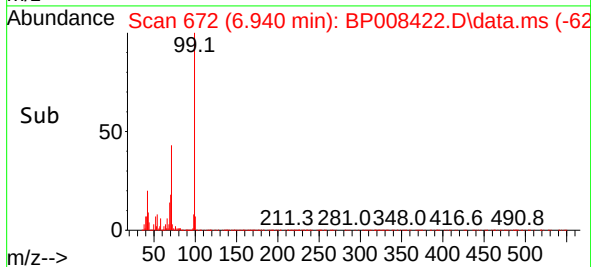
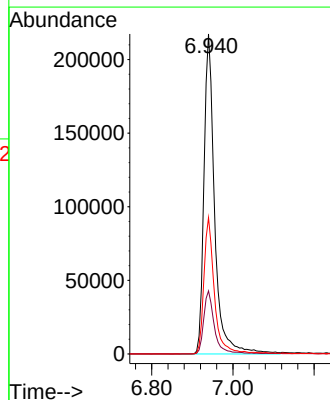
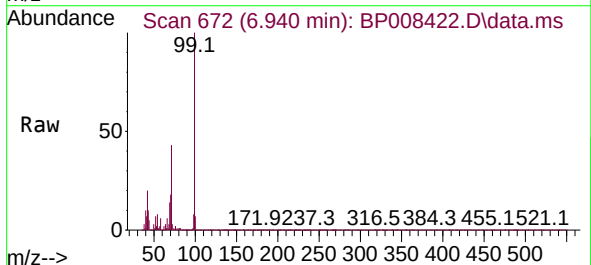
Instrument :
BNA_P
ClientSampleId :
TP1

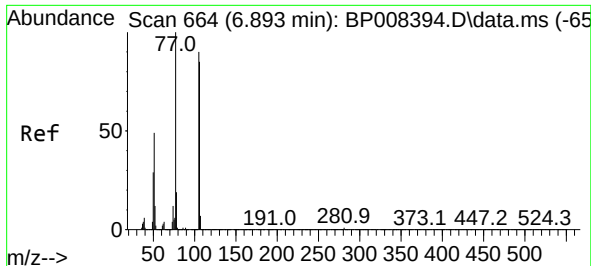
Tgt Ion: 112 Resp: 322875
Ion Ratio Lower Upper
112 100
64 64.8 53.4 80.2
63 33.4 27.8 41.8



#7
Phenol-d6
Concen: 92.490 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

Tgt Ion: 99 Resp: 398294
Ion Ratio Lower Upper
99 100
42 19.7 14.6 22.0
71 42.6 31.1 46.7

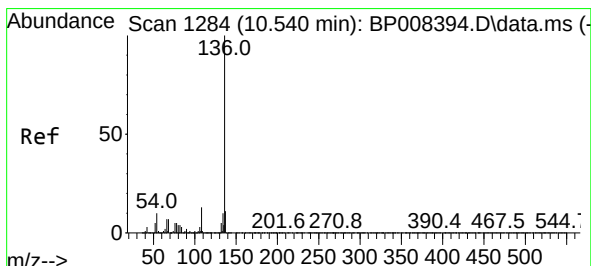
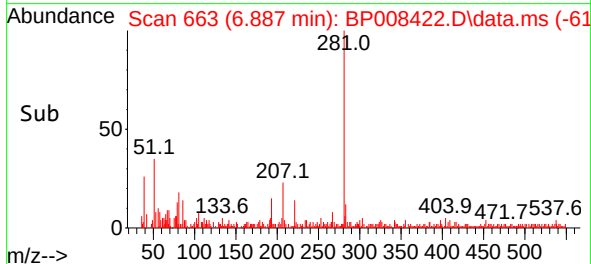
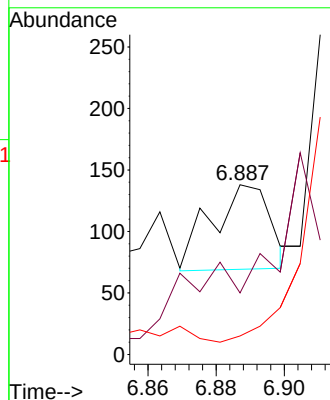
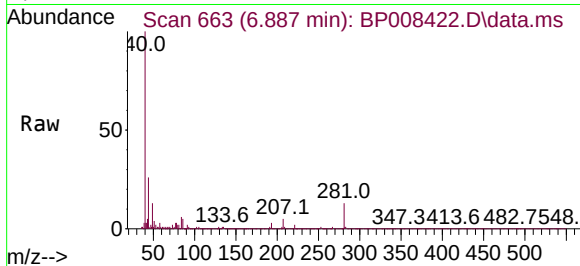




#9
Benzaldehyde
Concen: Below Cal
RT: 6.887 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

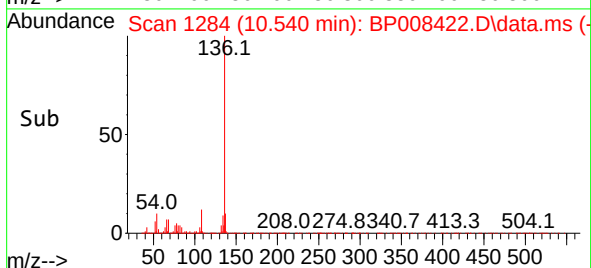
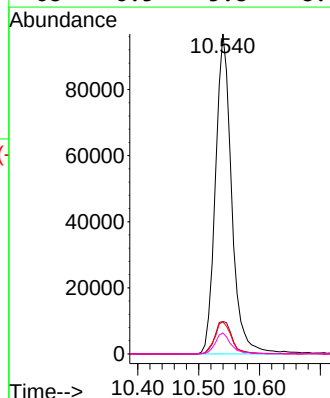
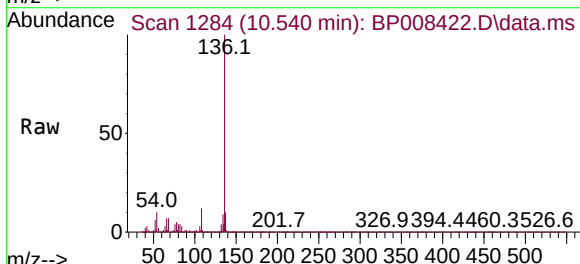
Instrument :
BNA_P
ClientSampleId :
TP1

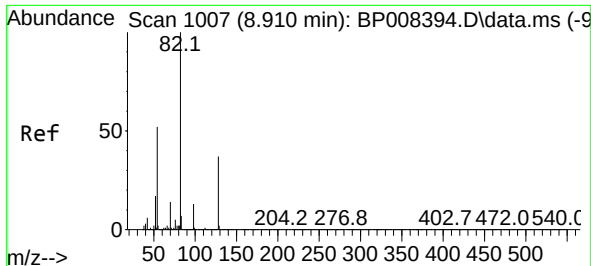
Tgt Ion: 77 Resp: 82
Ion Ratio Lower Upper
77 100
105 36.2 71.8 111.8#
106 10.9 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

Tgt Ion: 136 Resp: 178259
Ion Ratio Lower Upper
136 100
137 10.2 9.0 13.6
54 10.0 8.2 12.4
68 6.5 5.8 8.8

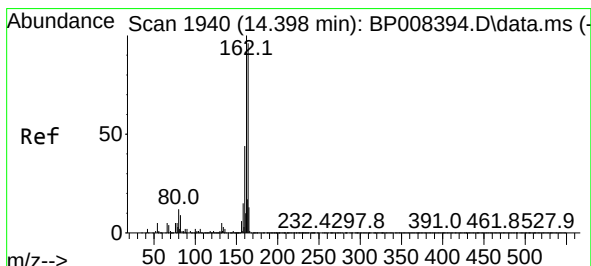
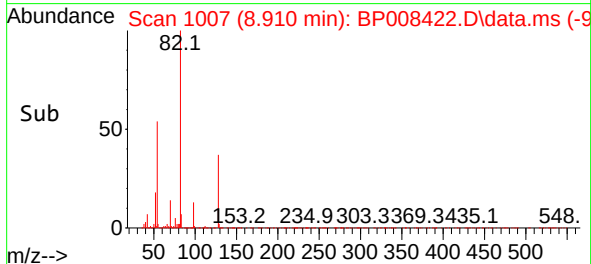
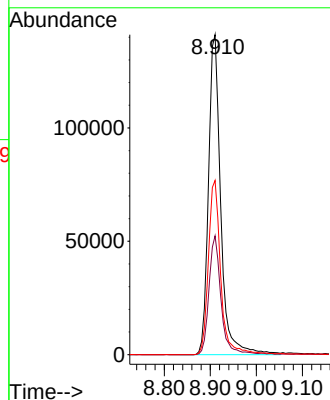
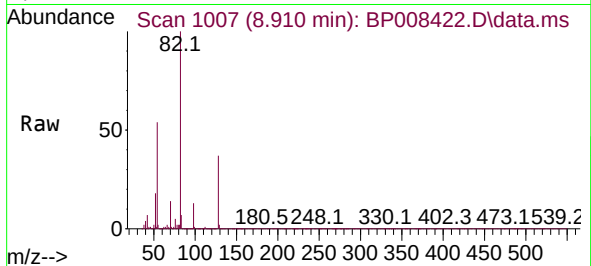




#23
Nitrobenzene-d5
Concen: 62.496 ng
RT: 8.910 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

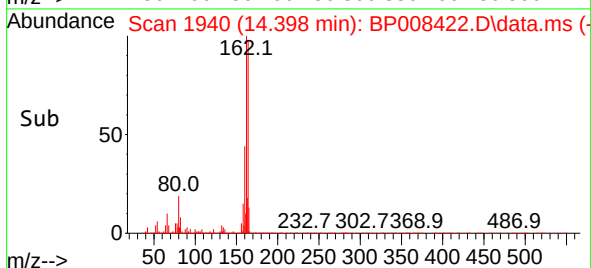
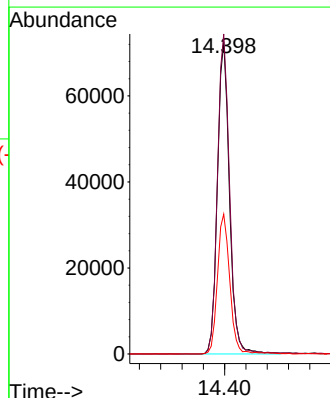
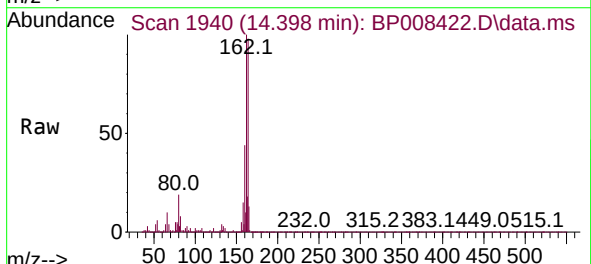
Instrument :
BNA_P
ClientSampleId :
TP1

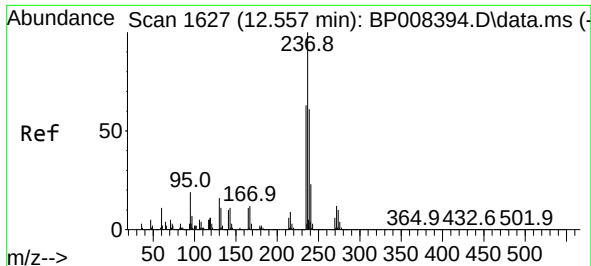
Tgt Ion: 82 Resp: 262964
Ion Ratio Lower Upper
82 100
128 37.2 29.6 44.4
54 54.4 42.7 64.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

Tgt Ion:164 Resp: 113430
Ion Ratio Lower Upper
164 100
162 102.5 81.9 122.9
160 44.8 35.4 53.0

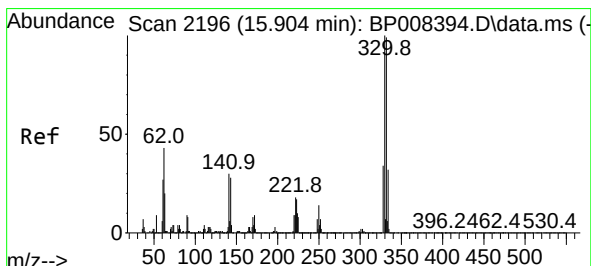
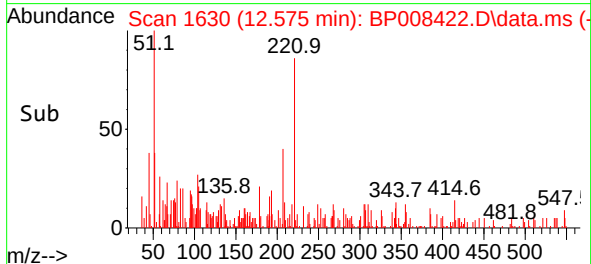
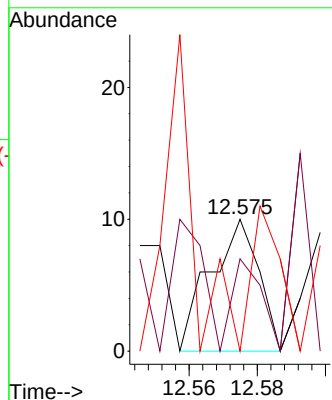
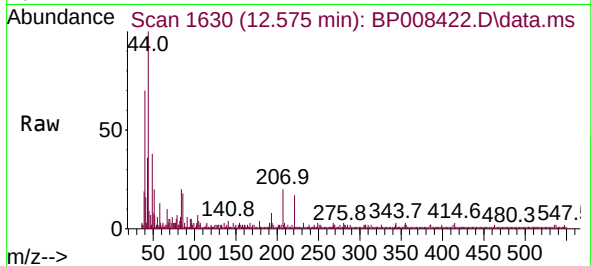




#41
Hexachlorocyclopentadiene
Concen: 8.659 ng
RT: 12.575 min Scan# 1630
Delta R.T. 0.018 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

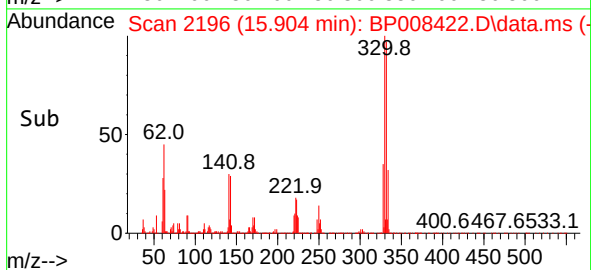
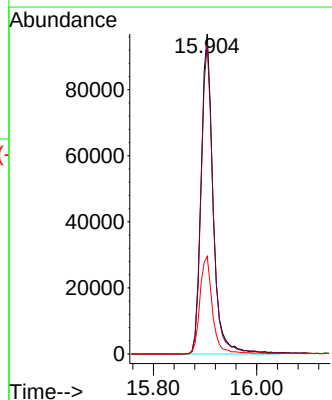
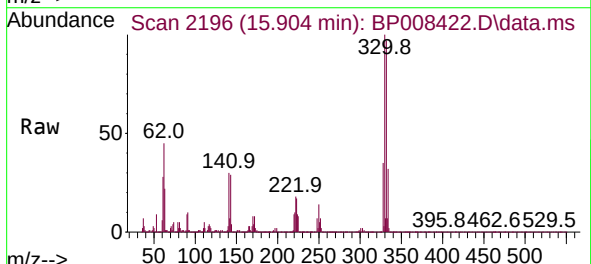
Instrument :
BNA_P
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TP1

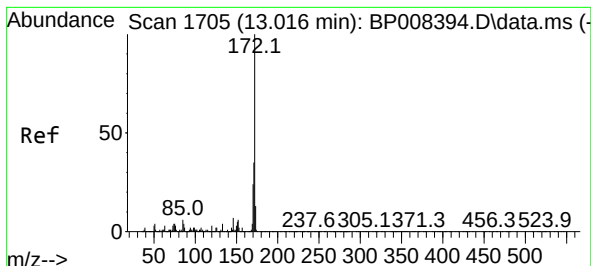
Tgt Ion:	237	Resp:	10
Ion	Ratio	Lower	Upper
237	100		
235	70.0	42.3	82.3
272	0.0	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 93.837 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

Tgt Ion:	330	Resp:	156421
Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.4
141	31.9	28.4	42.6





#45

2-Fluorobiphenyl

Concen: 57.477 ng

RT: 13.016 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP008422.D

Acq: 15 Dec 2021 18:08

Instrument :

BNA_P

ClientSampleId :

TP1

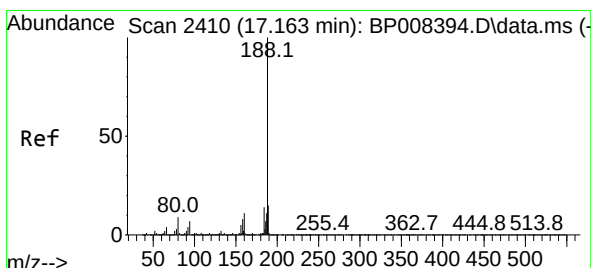
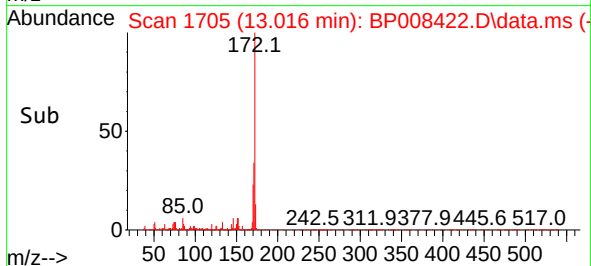
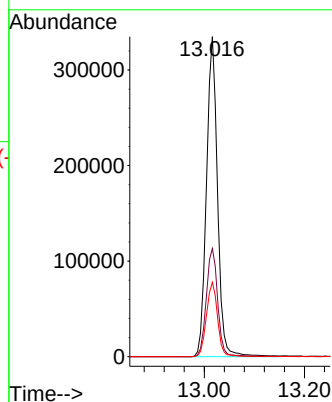
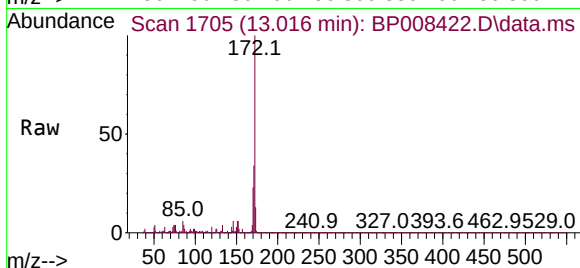
Tgt Ion:172 Resp: 512875

Ion Ratio Lower Upper

172 100

171 33.8 28.0 42.0

170 23.2 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.163 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP008422.D

Acq: 15 Dec 2021 18:08

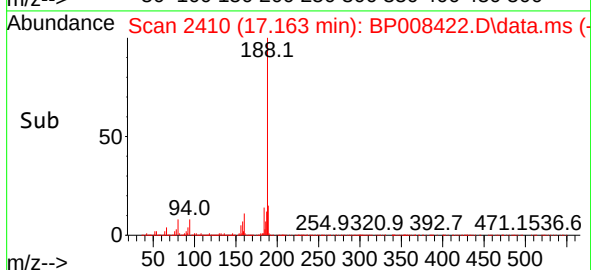
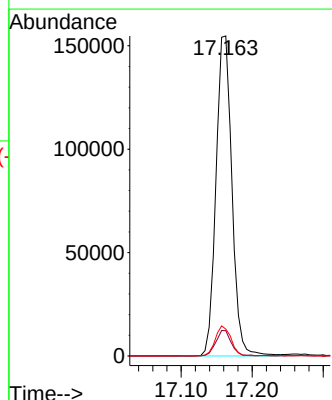
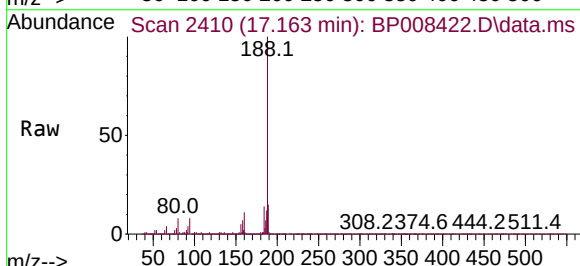
Tgt Ion:188 Resp: 240508

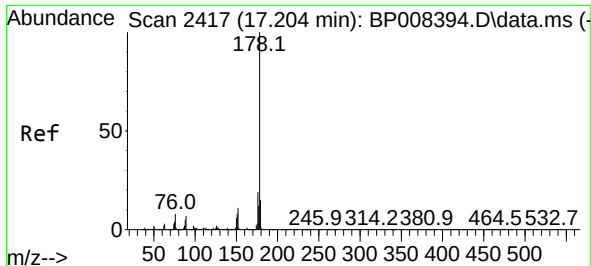
Ion Ratio Lower Upper

188 100

94 7.9 7.2 10.8

80 8.4 8.2 12.4

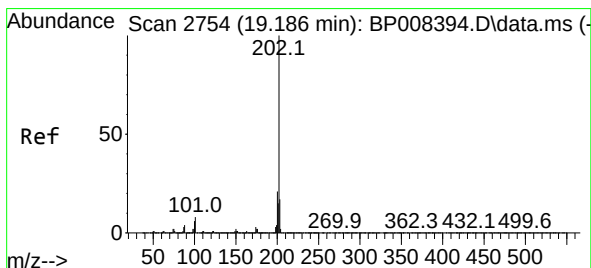
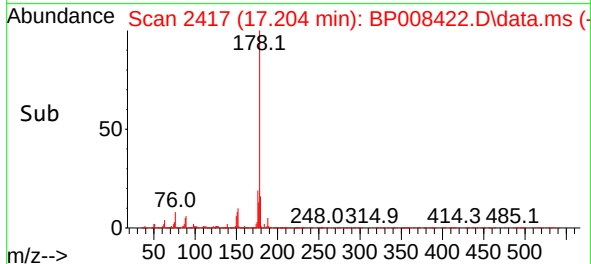
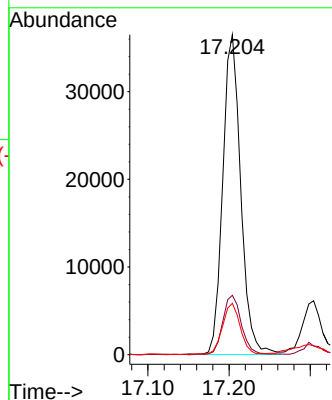
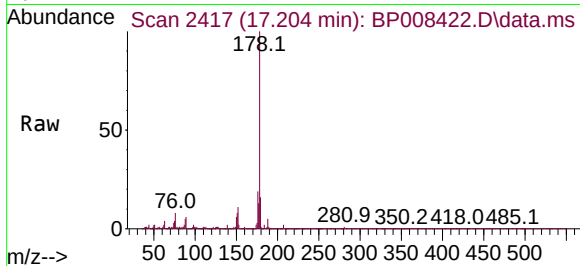




#71
Phenanthrene
Concen: 4.320 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

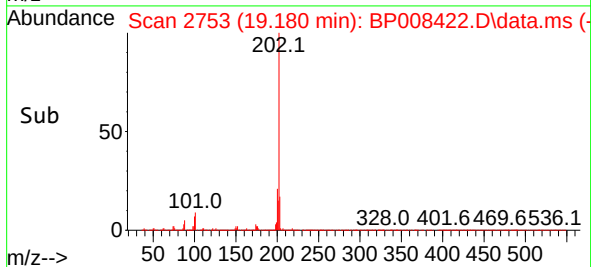
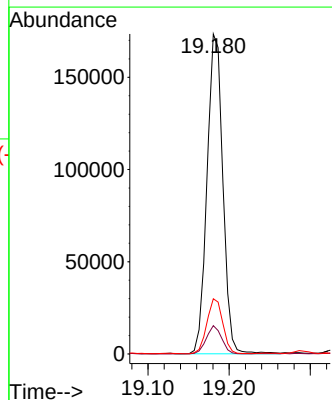
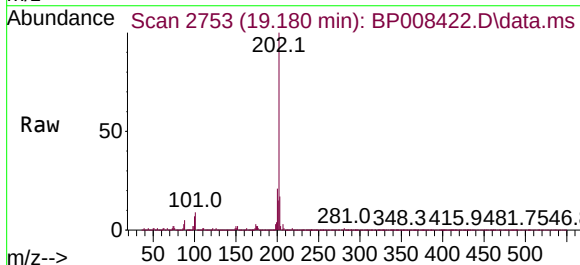
Instrument :
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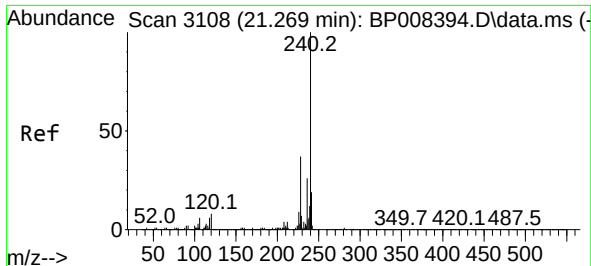
Tgt Ion:178 Resp: 56288
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 16.1 12.5 18.7



#75
Fluoranthene
Concen: 15.933 ng
RT: 19.180 min Scan# 2753
Delta R.T. -0.006 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

Tgt Ion:202 Resp: 234361
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.8
203 17.3 0.0 37.7

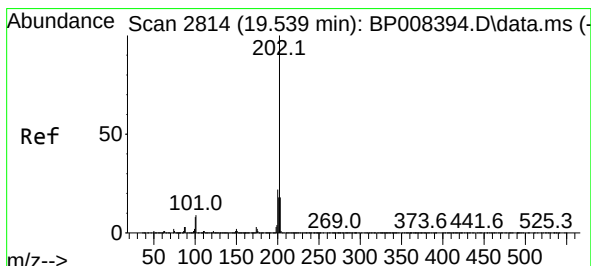
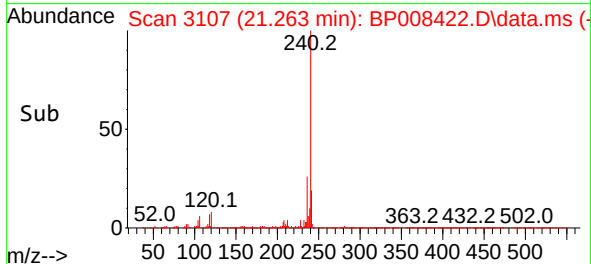
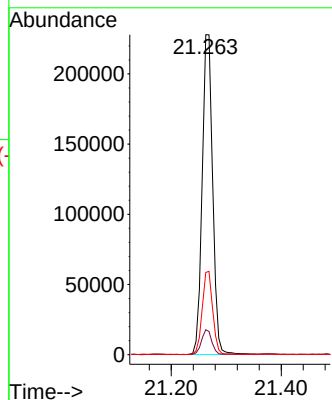
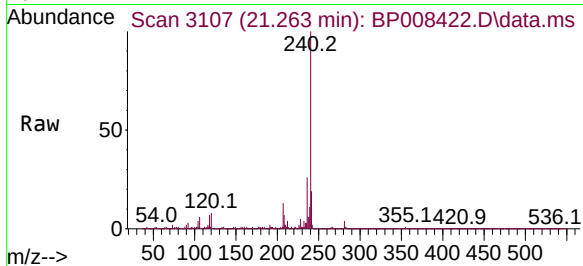




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3108
Delta R.T. -0.006 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

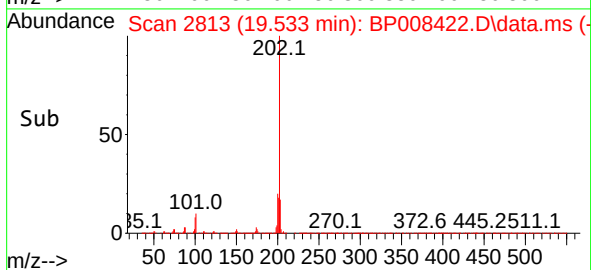
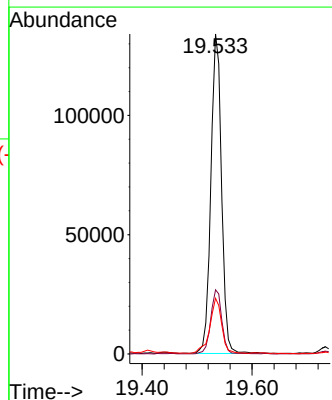
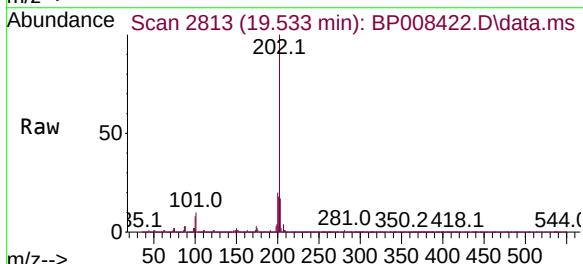
Instrument :
BNA_P
ClientSampleId :
TP1

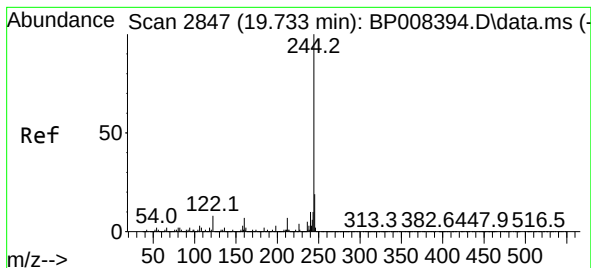
Tgt Ion:240 Resp: 303506
Ion Ratio Lower Upper
240 100
120 7.8 7.3 10.9
236 25.7 21.4 32.2



#78
Pyrene
Concen: 8.309 ng
RT: 19.533 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BP008422.D
Acq: 15 Dec 2021 18:08

Tgt Ion:202 Resp: 180422
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 17.4 14.2 21.2





#79

Terphenyl-d14

Concen: 49.890 ng

RT: 19.733 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP008422.D

Acq: 15 Dec 2021 18:08

Instrument :

BNA_P

ClientSampleId :

TP1

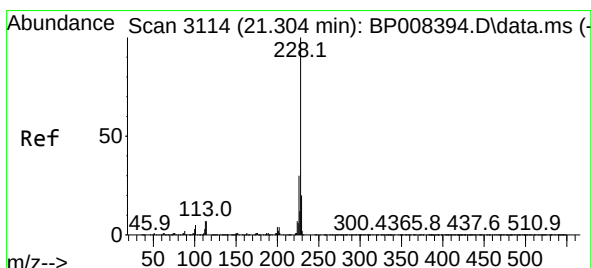
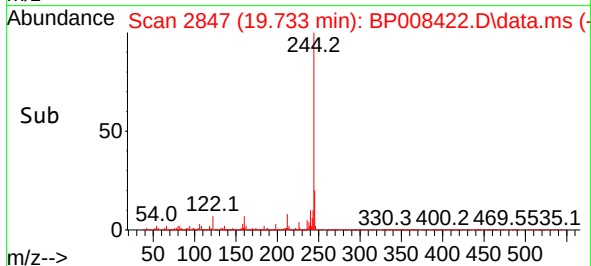
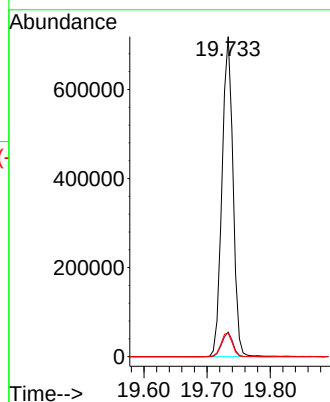
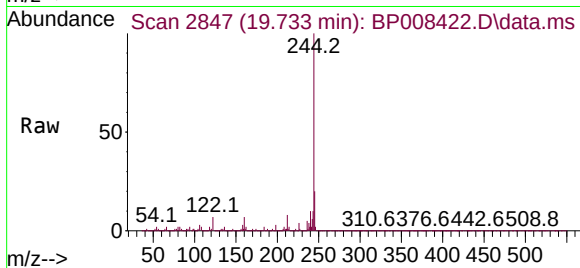
Tgt Ion:244 Resp: 870039

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

122 7.3 6.6 9.8



#83

Chrysene

Concen: 4.331 ng

RT: 21.304 min Scan# 3114

Delta R.T. 0.000 min

Lab File: BP008422.D

Acq: 15 Dec 2021 18:08

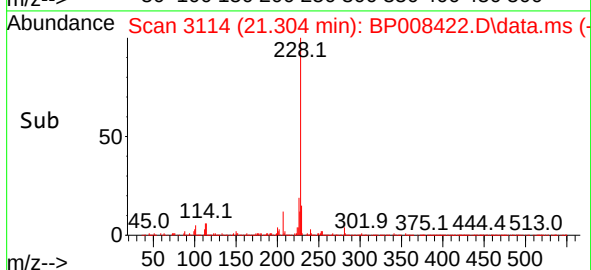
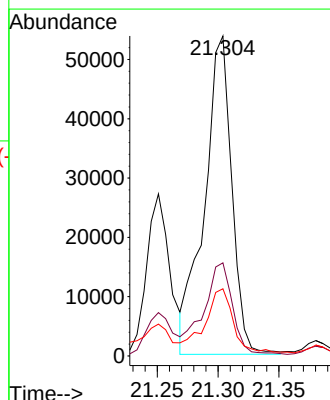
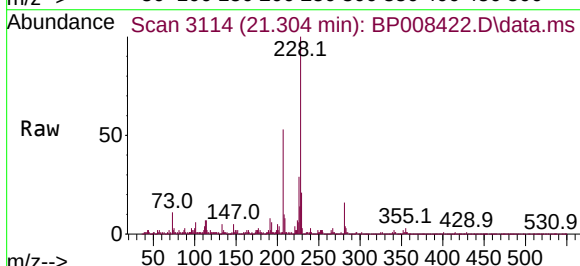
Tgt Ion:228 Resp: 84154

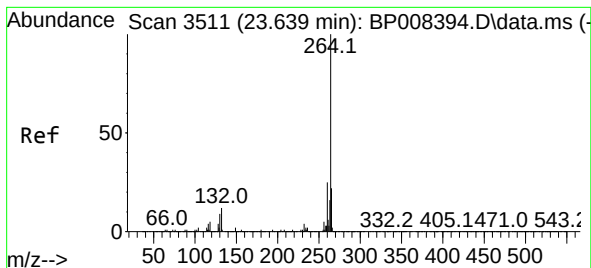
Ion Ratio Lower Upper

228 100

226 29.1 24.0 36.0

229 21.0 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: BP008422.D

Acq: 15 Dec 2021 18:08

Instrument :

BNA_P

ClientSampleId :

TP1

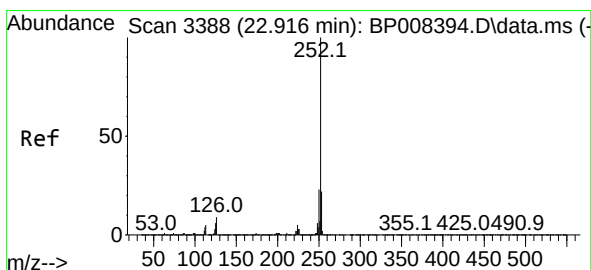
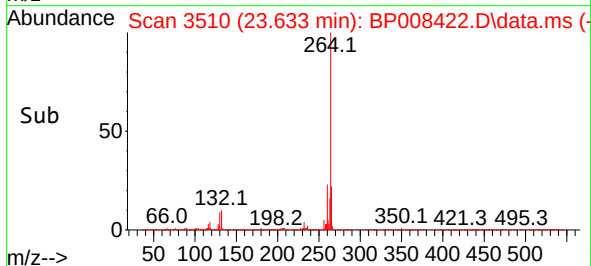
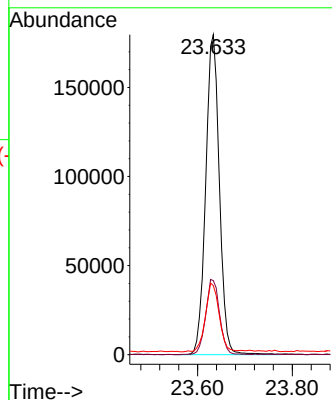
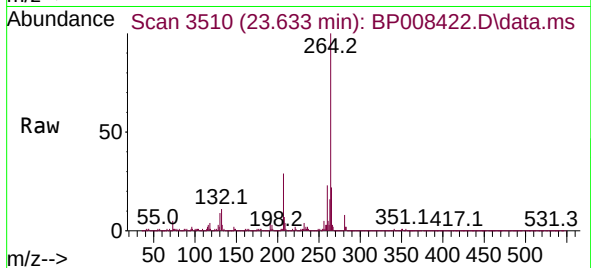
Tgt Ion:264 Resp: 360457

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.2

265 21.6 17.6 26.4



#88

Benzo(b)fluoranthene

Concen: 3.703 ng

RT: 22.916 min Scan# 3388

Delta R.T. 0.000 min

Lab File: BP008422.D

Acq: 15 Dec 2021 18:08

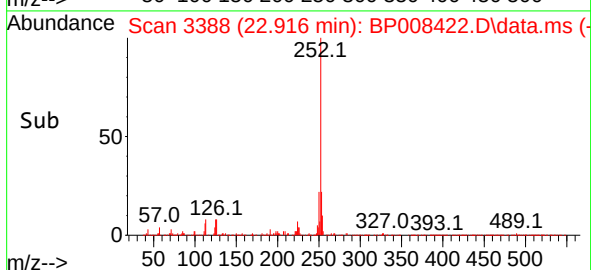
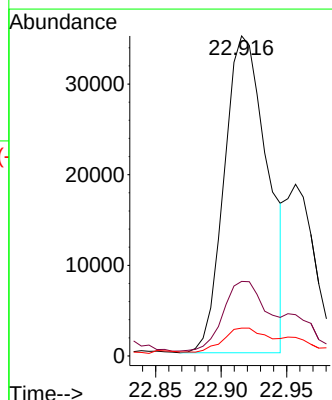
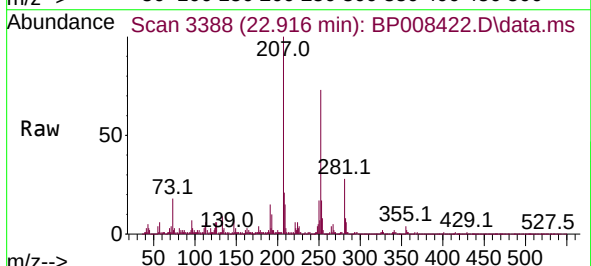
Tgt Ion:252 Resp: 80290

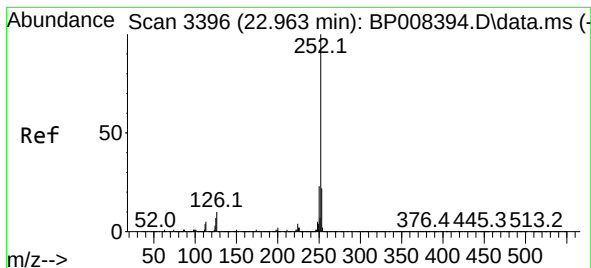
Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 8.7 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 3.672 ng

RT: 22.916 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP008422.D

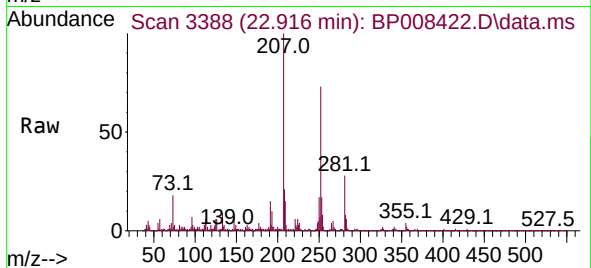
Acq: 15 Dec 2021 18:08

Instrument :

BNA_P

ClientSampleId :

TP1



Tgt Ion:252 Resp: 80290

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 8.7 6.5 9.7

