

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008418.D
 Acq On : 15 Dec 2021 15:49
 Operator : CG/JU
 Sample : M5076-12 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-G

Quant Time: Dec 15 16:24:34 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)

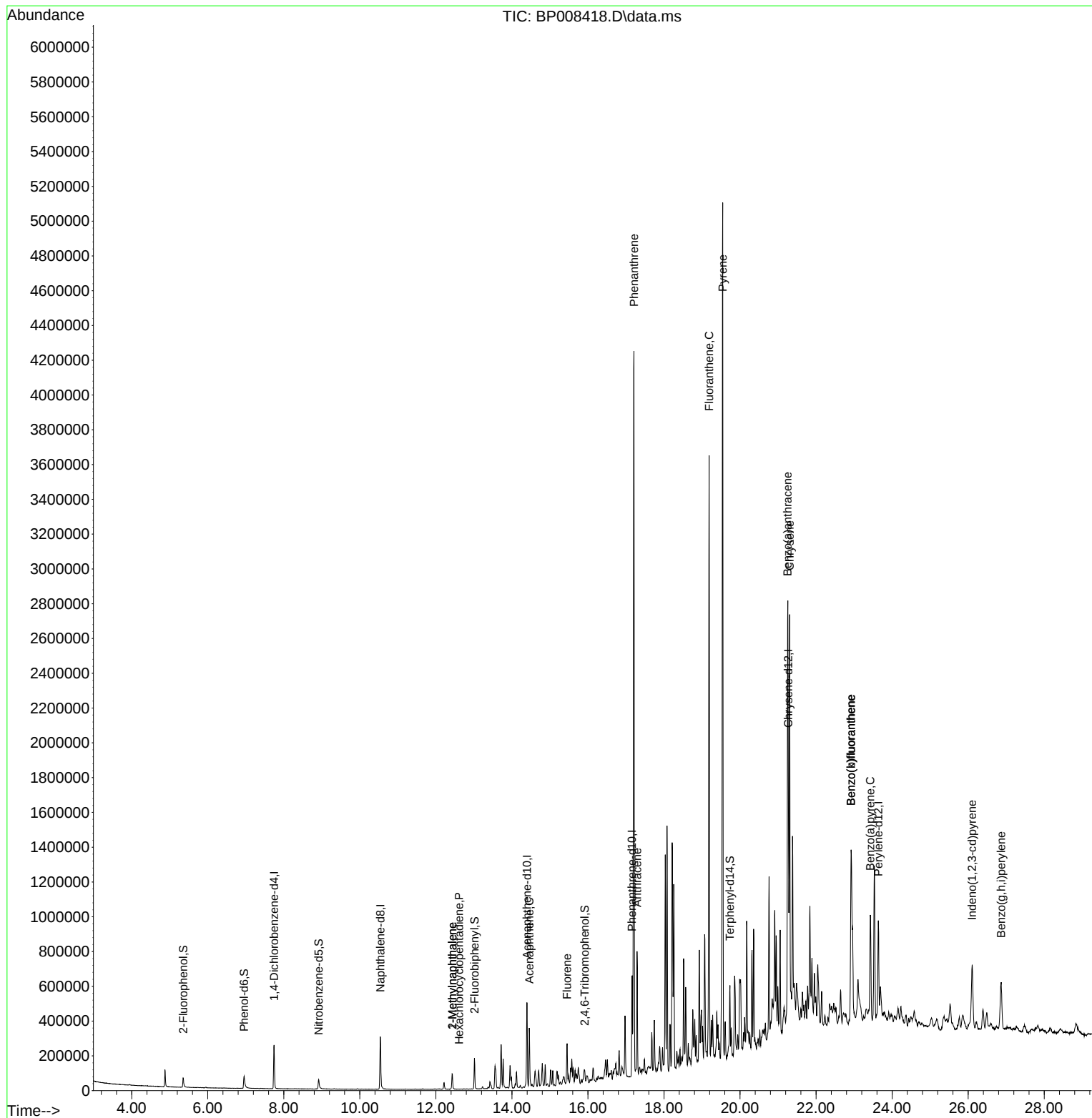
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	66736	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	247272	20.000	ng	0.00
39) Acenaphthene-d10	14.398	164	165457	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	358697	20.000	ng	0.00
76) Chrysene-d12	21.268	240	405363	20.000	ng	# 0.00
86) Perylene-d12	23.639	264	446384	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	28653	6.780	ng	0.01
7) Phenol-d6	6.957	99	58420	10.293	ng	0.02
23) Nitrobenzene-d5	8.916	82	43171	7.396	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	7164	2.946	ng	0.01
45) 2-Fluorobiphenyl	13.016	172	92642	7.118	ng	0.00
79) Terphenyl-d14	19.733	244	159910	6.866	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	53	Below Cal	#	1
9) Benzaldehyde	6.881	77	221	Below Cal	#	13
37) 2-Methylnaphthalene	12.434	142	40317	4.511	ng	97
38) 1-Methylnaphthalene	12.434	142	40601	4.666	ng	95
41) Hexachlorocyclopentadiene	12.610	237	14	8.659	ng	90
52) Acenaphthene	14.457	154	114812	12.878	ng	99
58) Fluorene	15.451	166	92438	7.862	ng	98
71) Phenanthrene	17.210	178	2569478	132.240	ng	100
72) Anthracene	17.292	178	419753	21.896	ng	99
75) Fluoranthene	19.186	202	1904092	86.799	ng	98
78) Pyrene	19.545	202	3057939	105.438	ng	100
81) Benzo(a)anthracene	21.251	228	1225243	45.101	ng	100
83) Chrysene	21.304	228	1157703	44.614	ng	98
87) Indeno(1,2,3-cd)pyrene	26.104	276	366989	10.444	ng	# 94
88) Benzo(b)fluoranthene	22.921	252	1097735	40.881	ng	98
89) Benzo(k)fluoranthene	22.921	252	1097735	40.539	ng	99
90) Benzo(a)pyrene	23.427	252	457605	19.634	ng	99
92) Benzo(g,h,i)perylene	26.868	276	372651	12.794	ng	96

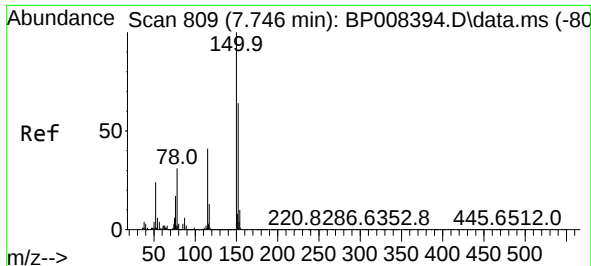
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
Data File : BP008418.D
Acq On : 15 Dec 2021 15:49
Operator : CG/JU
Sample : M5076-12 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

Quant Time: Dec 15 16:24:34 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

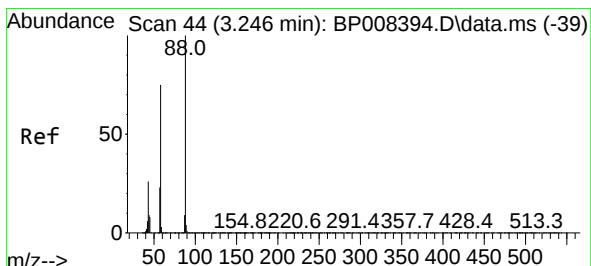
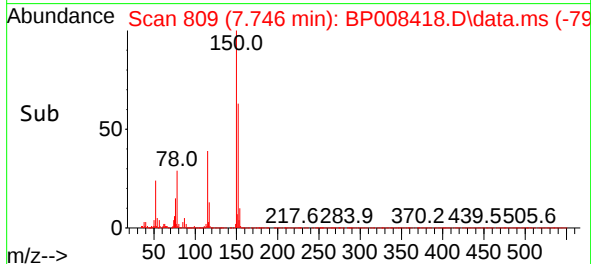
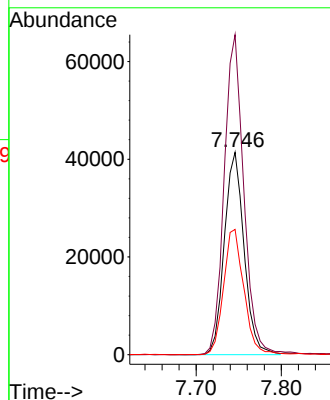
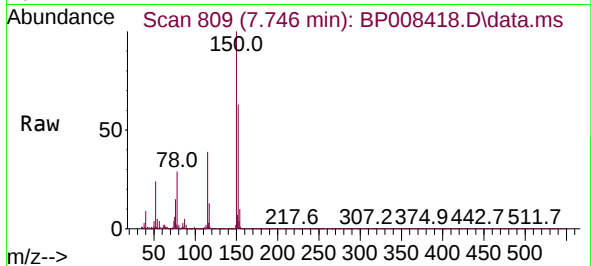




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.746 min Scan# 809
 Delta R.T. -0.000 min
 Lab File: BP008418.D
 Acq: 15 Dec 2021 15:49

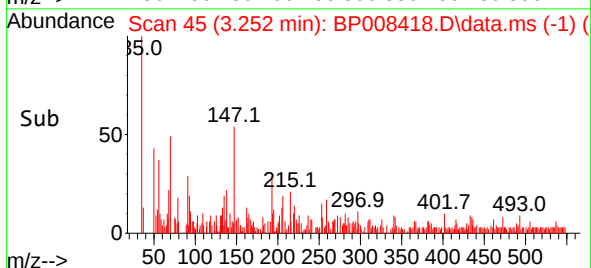
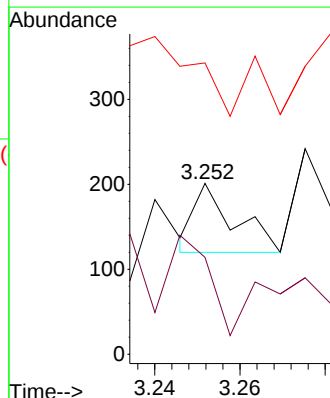
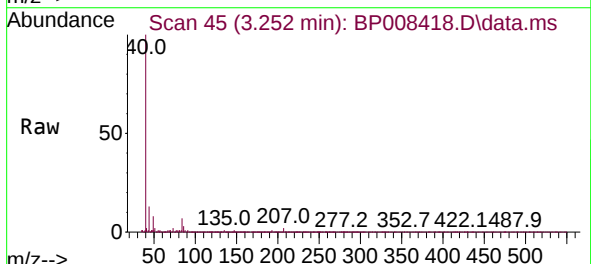
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-G

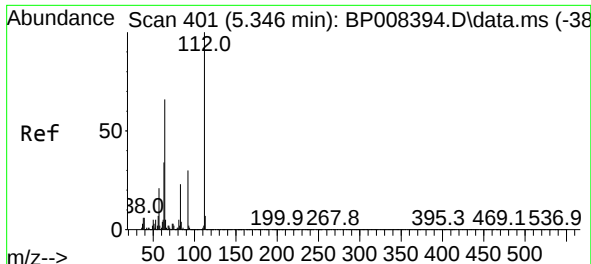
Tgt Ion:152 Resp: 66736
 Ion Ratio Lower Upper
 152 100
 150 158.1 125.7 188.5
 115 61.9 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.252 min Scan# 45
 Delta R.T. 0.006 min
 Lab File: BP008418.D
 Acq: 15 Dec 2021 15:49

Tgt Ion: 88 Resp: 53
 Ion Ratio Lower Upper
 88 100
 58 275.5 63.5 95.3#
 43 224.5 23.4 35.2#

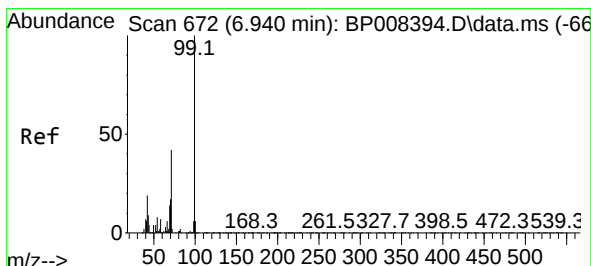
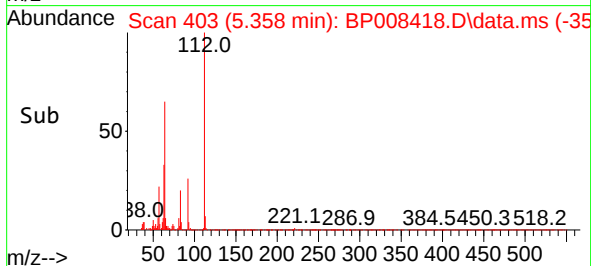
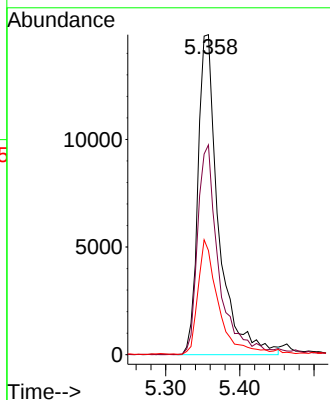
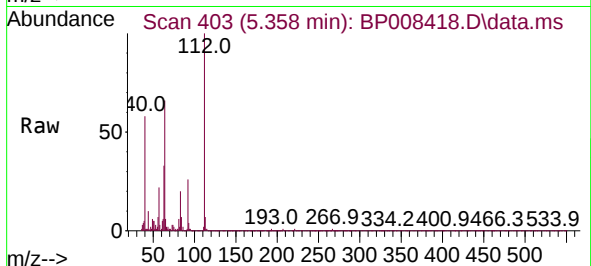




#5
2-Fluorophenol
Concen: 6.780 ng
RT: 5.358 min Scan# 401
Delta R.T. 0.012 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

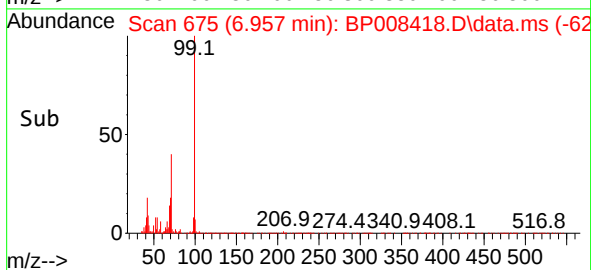
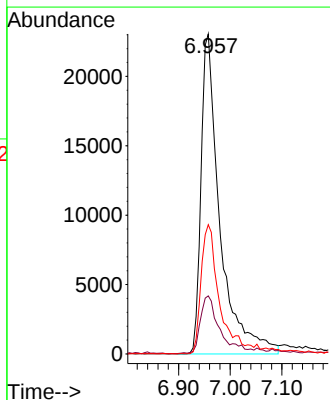
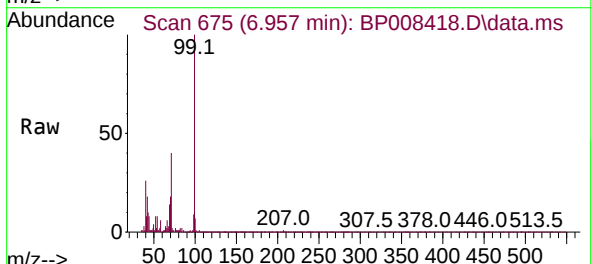
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

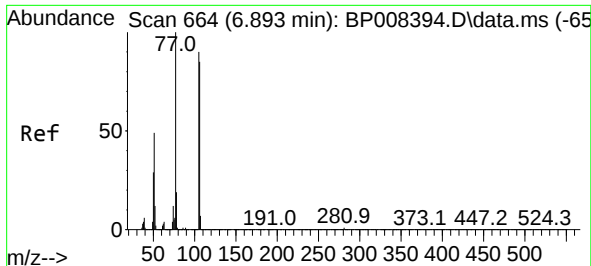
Tgt Ion:112 Resp: 28653
Ion Ratio Lower Upper
112 100
64 65.6 53.4 80.2
63 32.5 27.8 41.8



#7
Phenol-d6
Concen: 10.293 ng
RT: 6.957 min Scan# 675
Delta R.T. 0.018 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion: 99 Resp: 58420
Ion Ratio Lower Upper
99 100
42 18.1 14.6 22.0
71 40.4 31.1 46.7

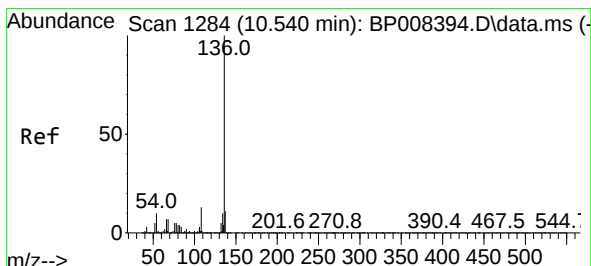
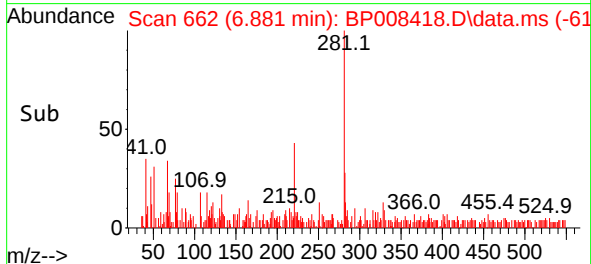
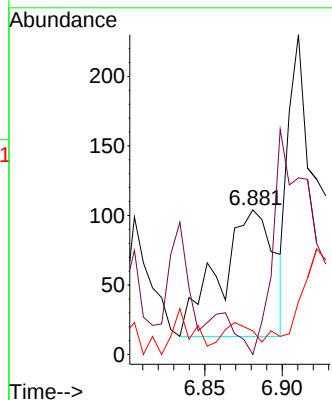
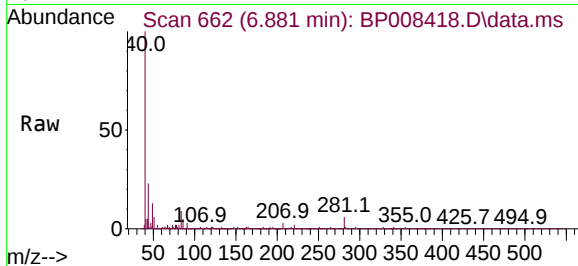




#9
Benzaldehyde
Concen: Below Cal
RT: 6.881 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

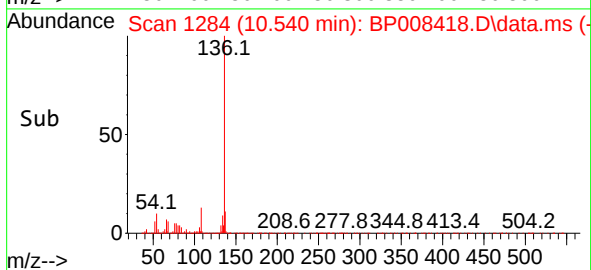
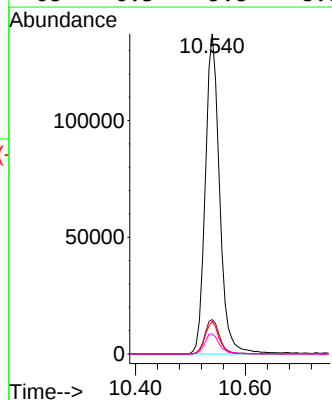
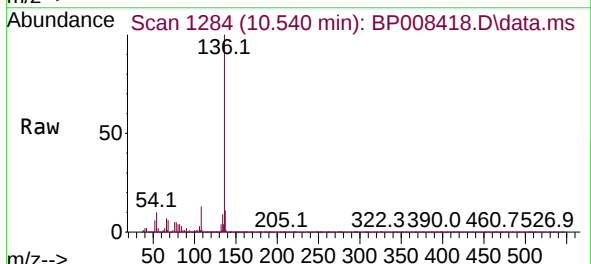
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

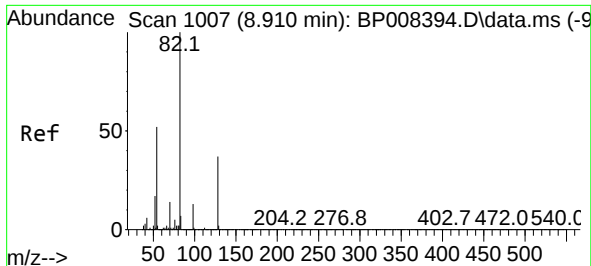
Tgt Ion: 77 Resp: 221
Ion Ratio Lower Upper
77 100
105 0.0 71.8 111.8#
106 16.3 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion: 136 Resp: 247272
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.1 8.2 12.4
68 6.3 5.8 8.8

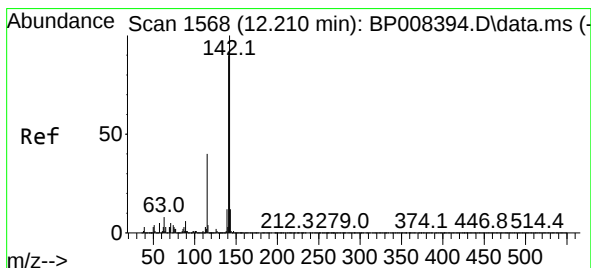
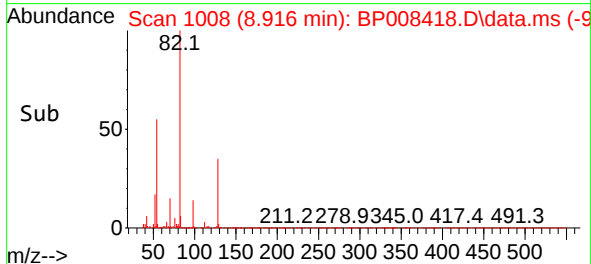
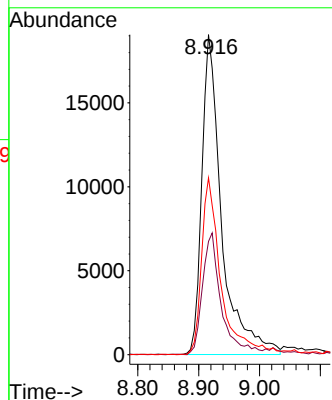
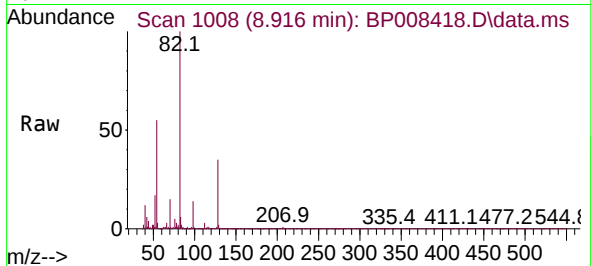




#23
Nitrobenzene-d5
Concen: 7.396 ng
RT: 8.916 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

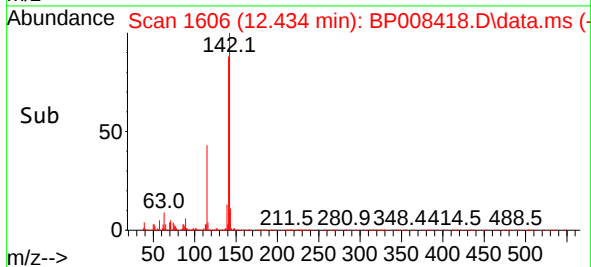
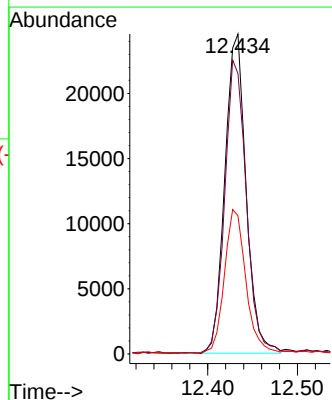
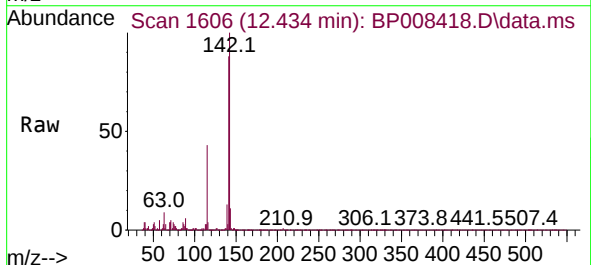
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

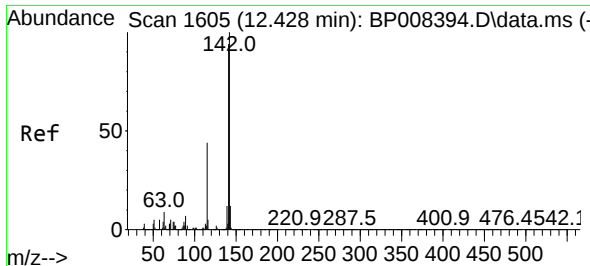
Tgt Ion: 82 Resp: 43171
Ion Ratio Lower Upper
82 100
128 35.4 29.6 44.4
54 55.3 42.7 64.1



#37
2-Methylnaphthalene
Concen: 4.511 ng
RT: 12.434 min Scan# 1606
Delta R.T. 0.223 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion: 142 Resp: 40317
Ion Ratio Lower Upper
142 100
141 87.7 70.7 106.1
115 43.2 30.9 46.3

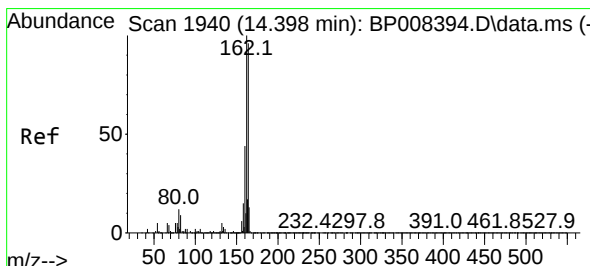
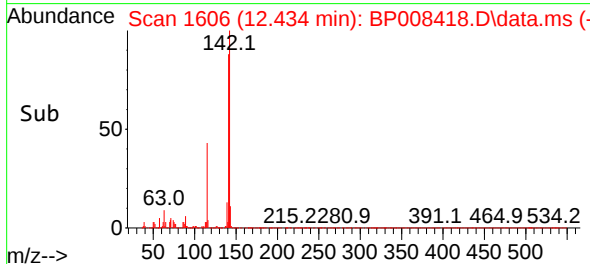
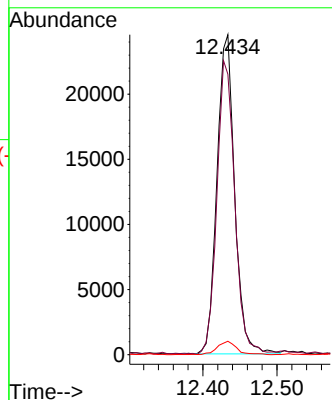
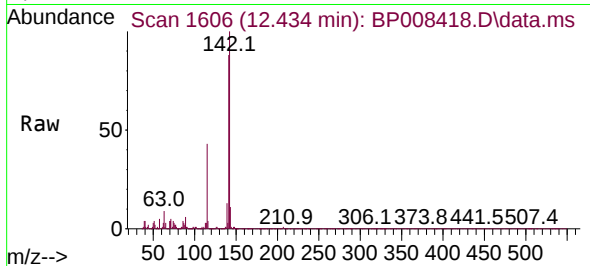




#38
1-Methylnaphthalene
Concen: 4.666 ng
RT: 12.434 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

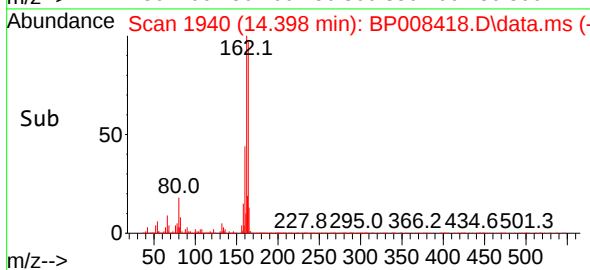
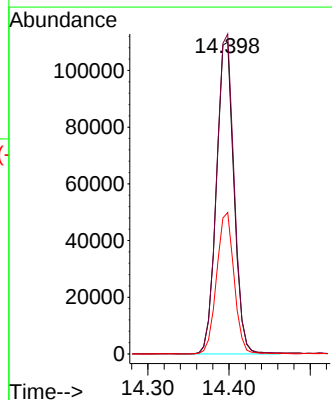
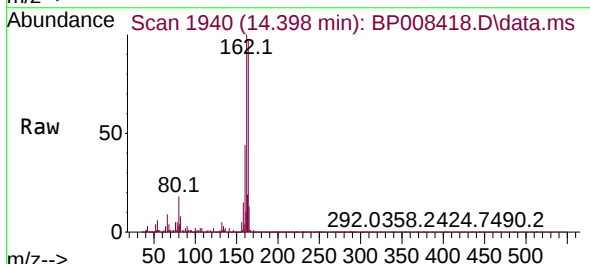
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

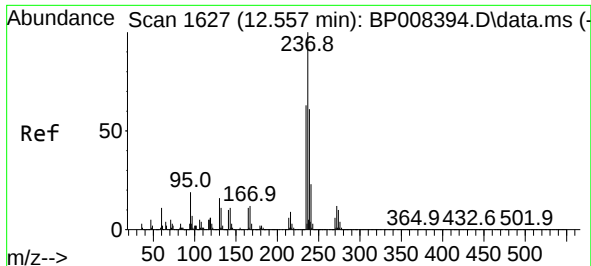
Tgt Ion:142 Resp: 40601
Ion Ratio Lower Upper
142 100
141 87.7 74.2 111.4
116 4.2 3.4 5.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion:164 Resp: 165457
Ion Ratio Lower Upper
164 100
162 102.6 81.9 122.9
160 45.3 35.4 53.0

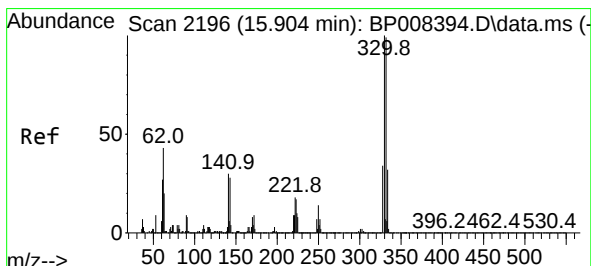
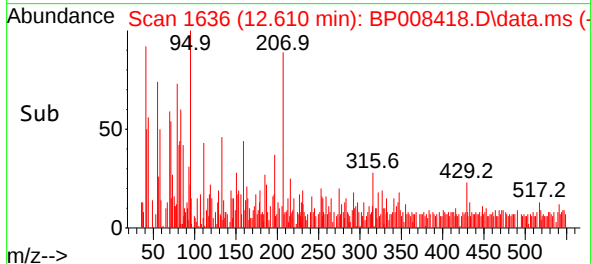
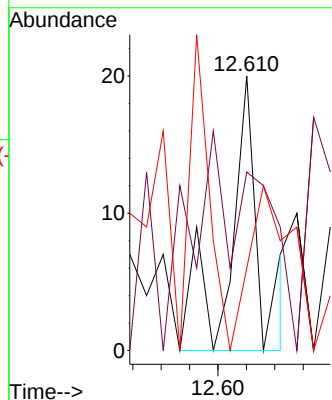
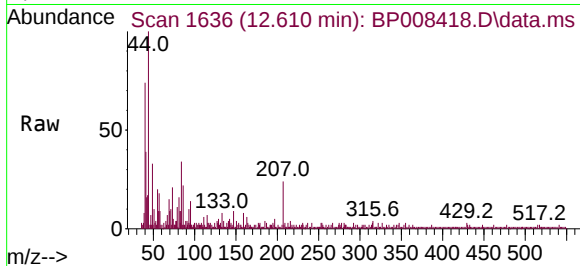




#41
Hexachlorocyclopentadiene
Concen: 8.659 ng
RT: 12.610 min Scan# 1
Delta R.T. 0.053 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

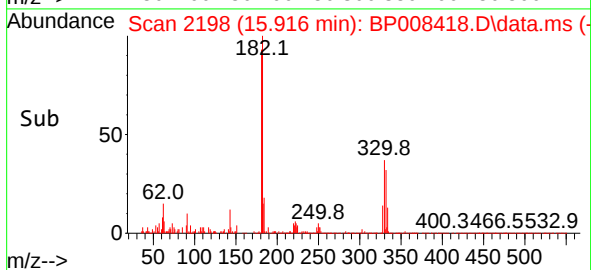
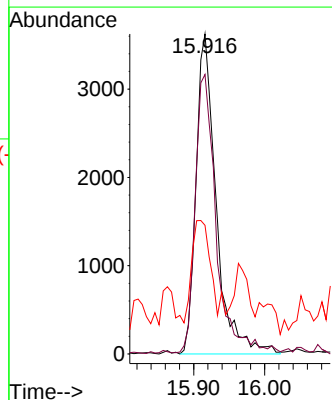
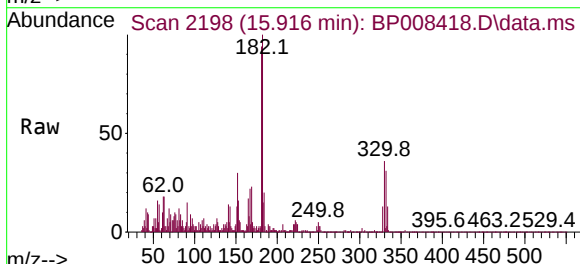
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

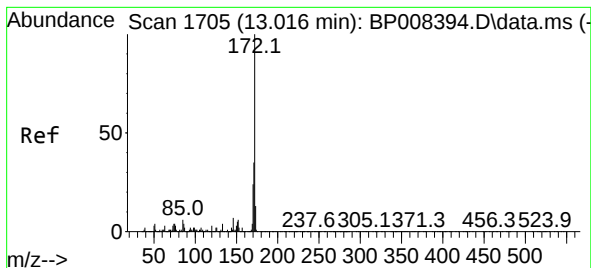
Tgt Ion:	237	Resp:	14
Ion	Ratio	Lower	Upper
237	100		
235	65.0	42.3	82.3
272	30.0	0.0	32.2



#42
2,4,6-Tribromophenol
Concen: 2.946 ng
RT: 15.916 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion:	330	Resp:	7164
Ion	Ratio	Lower	Upper
330	100		
332	89.6	77.0	115.4
141	36.7	28.4	42.6





#45

2-Fluorobiphenyl

Concen: 7.118 ng

RT: 13.016 min Scan# 11

Delta R.T. -0.000 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-G

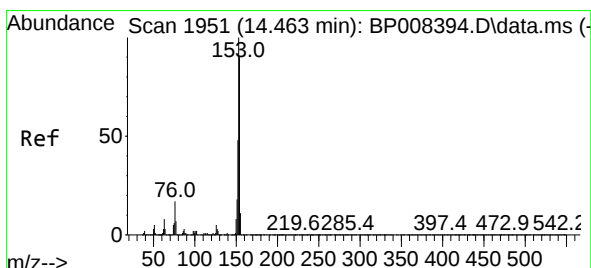
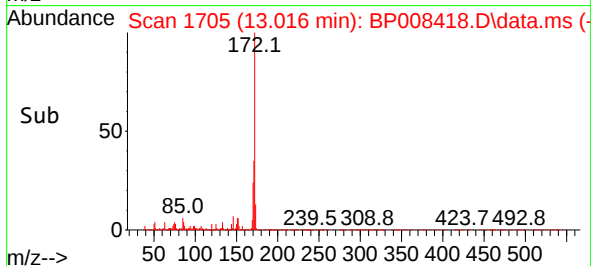
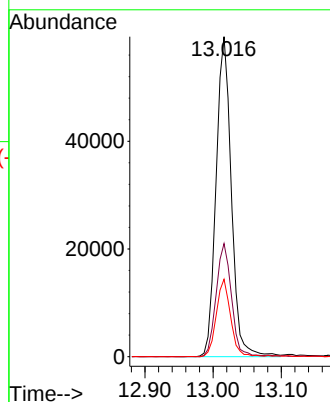
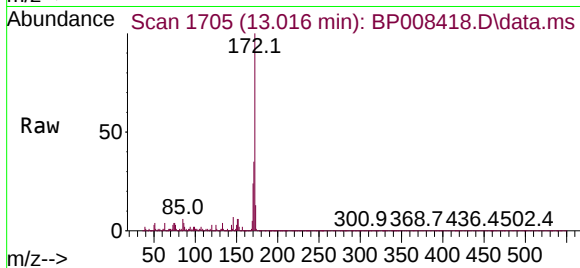
Tgt Ion:172 Resp: 92642

Ion Ratio Lower Upper

172 100

171 35.4 28.0 42.0

170 24.2 18.9 28.3



#52

Acenaphthene

Concen: 12.878 ng

RT: 14.457 min Scan# 1950

Delta R.T. -0.006 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

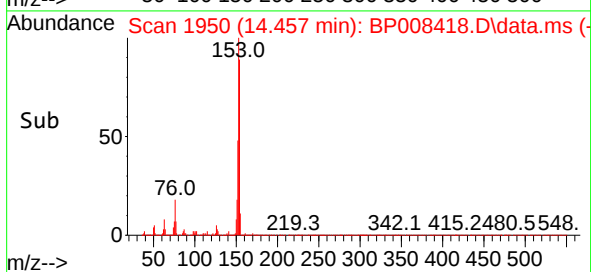
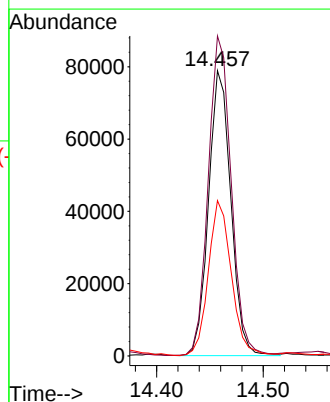
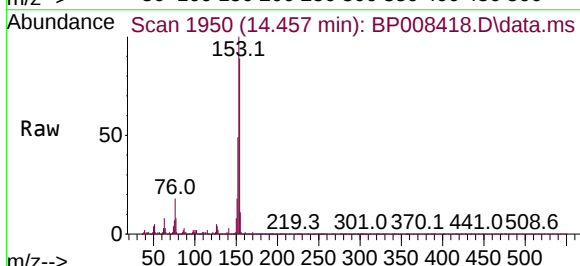
Tgt Ion:154 Resp: 114812

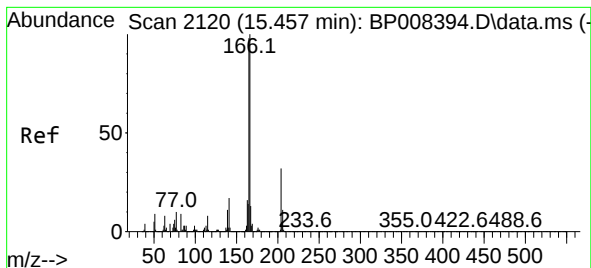
Ion Ratio Lower Upper

154 100

153 112.2 90.3 135.5

152 54.5 43.3 64.9





#58

Fluorene

Concen: 7.862 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-G

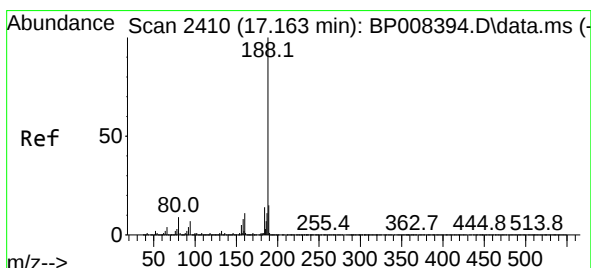
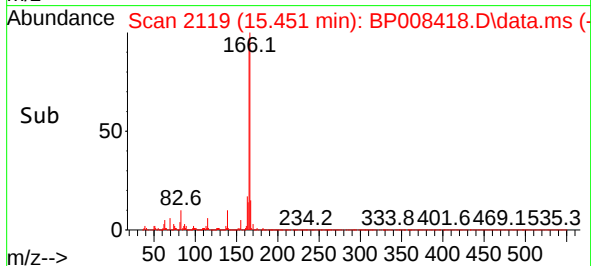
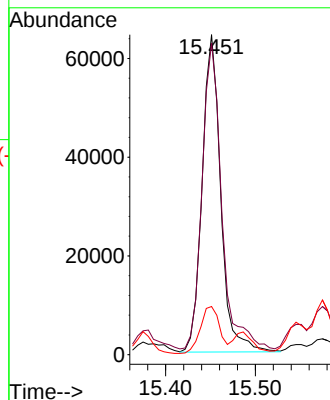
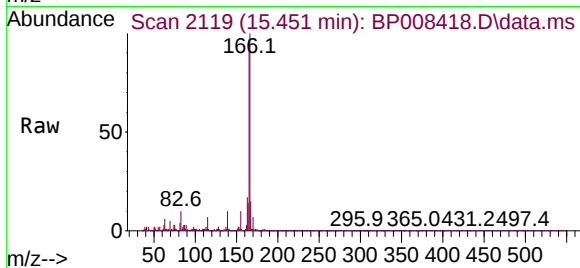
Tgt Ion:166 Resp: 92438

Ion Ratio Lower Upper

166 100

165 97.4 79.4 119.2

167 15.0 10.9 16.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.157 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

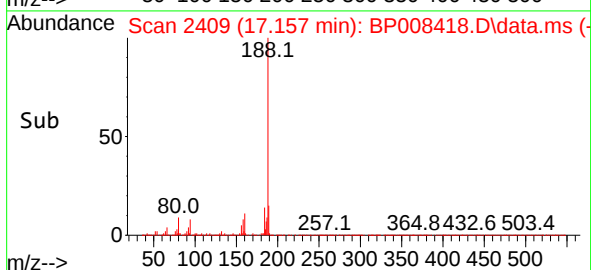
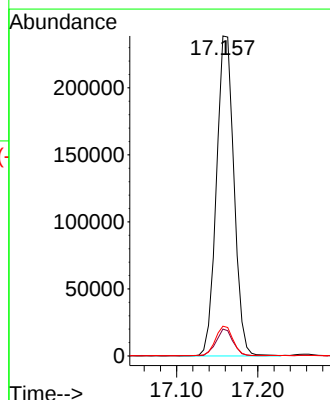
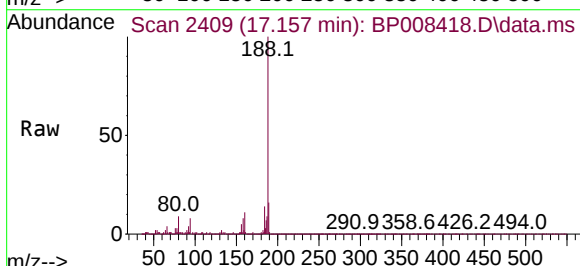
Tgt Ion:188 Resp: 358697

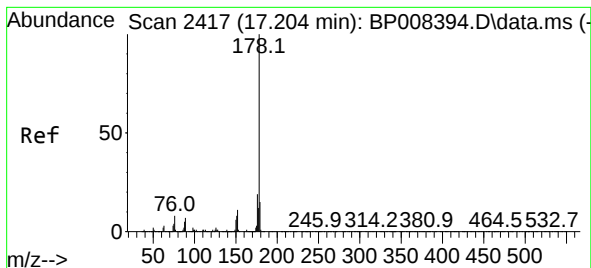
Ion Ratio Lower Upper

188 100

94 8.4 7.2 10.8

80 9.3 8.2 12.4





#71

Phenanthrene

Concen: 132.240 ng

RT: 17.210 min Scan# 2418

Delta R.T. 0.006 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-G

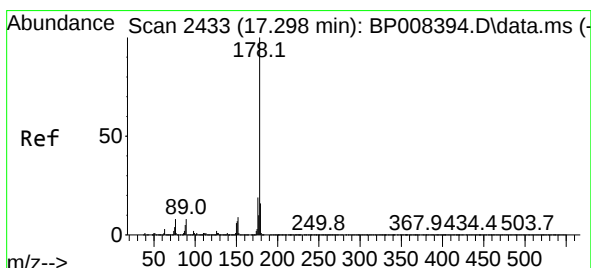
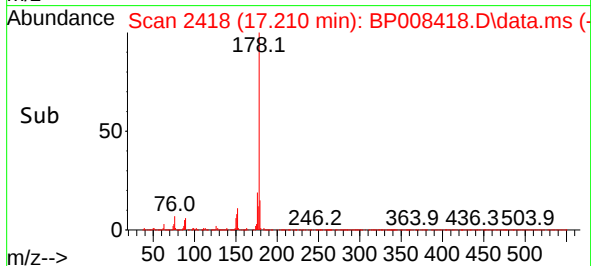
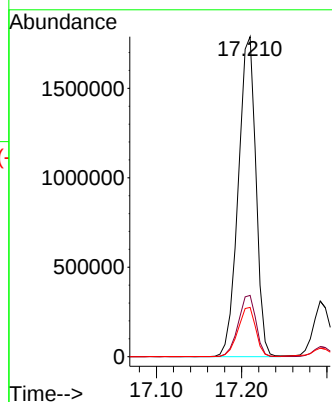
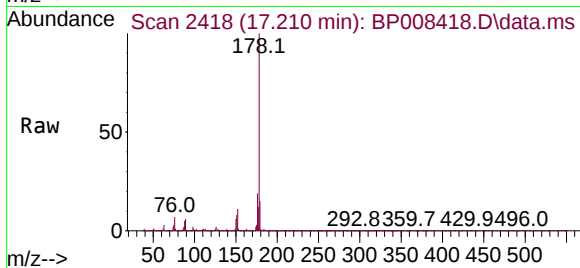
Tgt Ion:178 Resp: 2569478

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 21.896 ng

RT: 17.292 min Scan# 2432

Delta R.T. -0.006 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

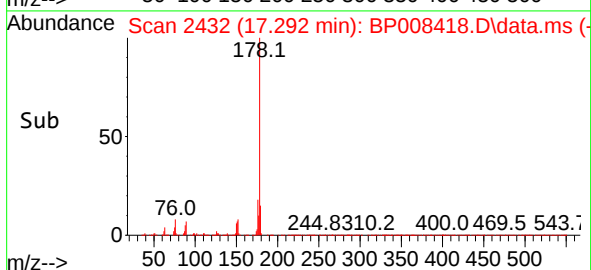
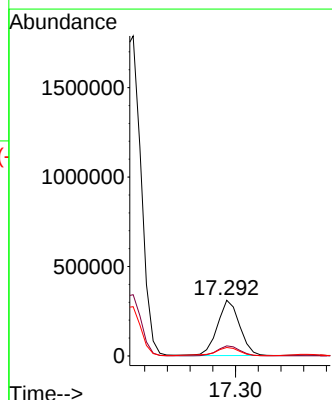
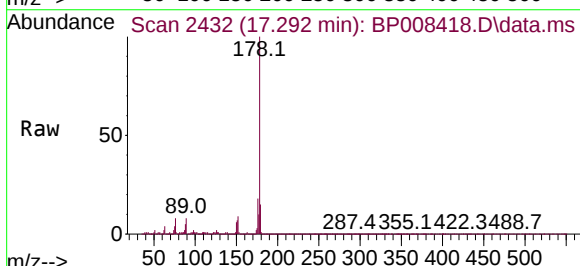
Tgt Ion:178 Resp: 419753

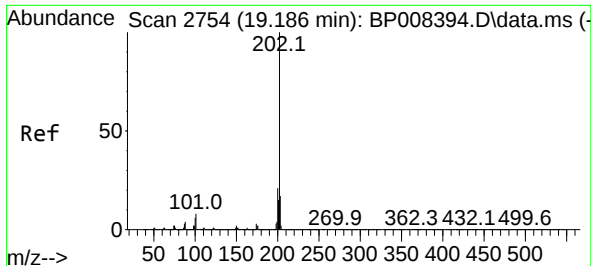
Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 15.1 12.3 18.5

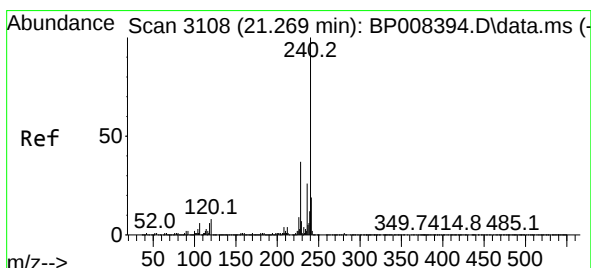
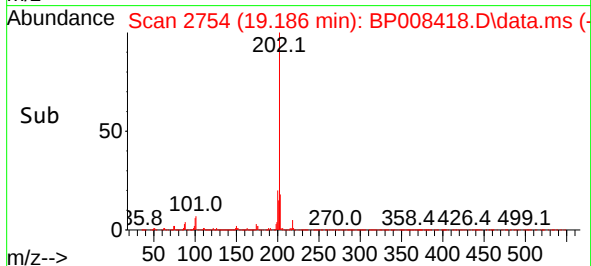
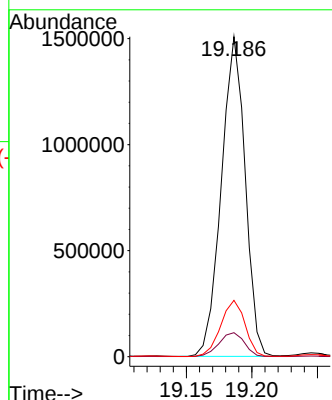
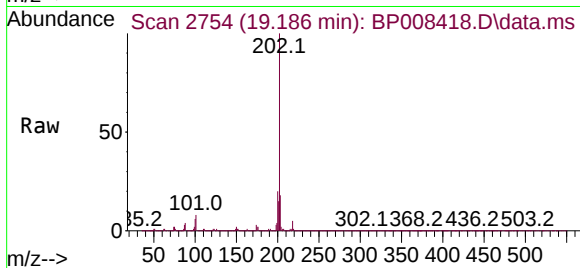




#75
Fluoranthene
Concen: 86.799 ng
RT: 19.186 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

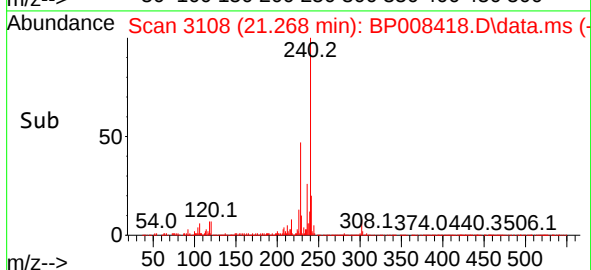
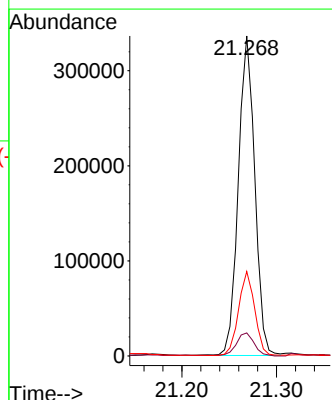
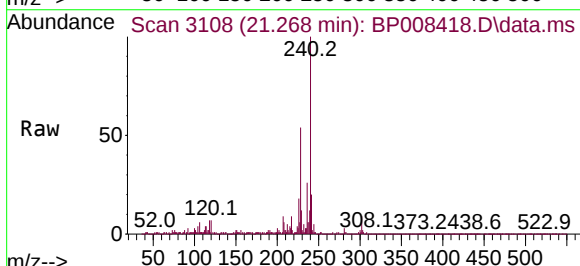
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

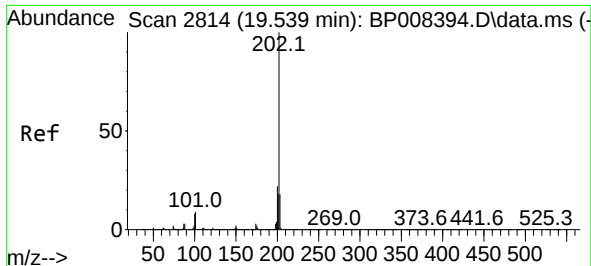
Tgt Ion:202 Resp: 1904092
Ion Ratio Lower Upper
202 100
101 7.5 0.0 29.8
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.268 min Scan# 3108
Delta R.T. -0.000 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion:240 Resp: 405363
Ion Ratio Lower Upper
240 100
120 7.2 7.3 10.9#
236 26.4 21.4 32.2

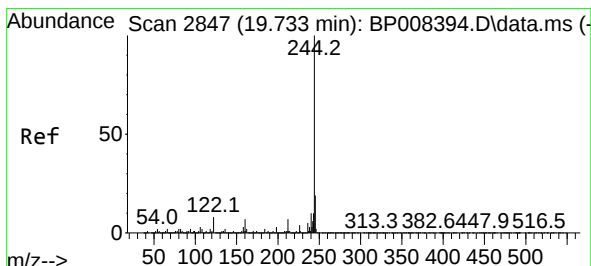
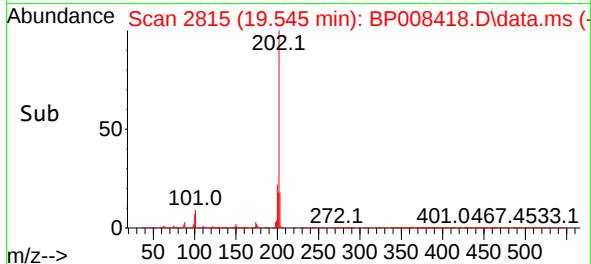
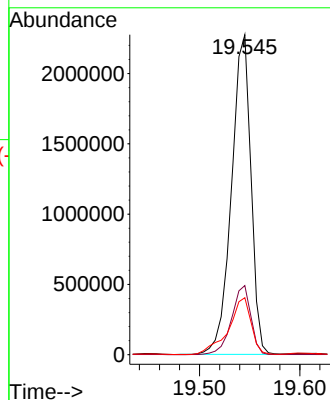
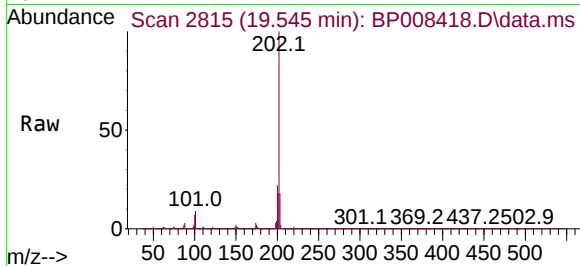




#78
 Pyrene
 Concen: 105.438 ng
 RT: 19.545 min Scan# 2815
 Delta R.T. 0.006 min
 Lab File: BP008418.D
 Acq: 15 Dec 2021 15:49

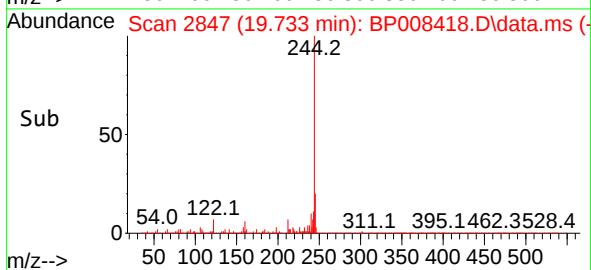
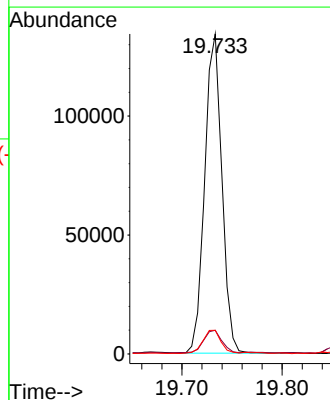
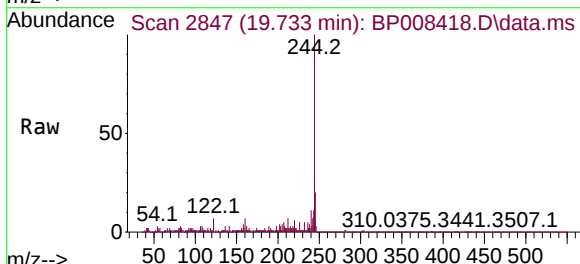
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-G

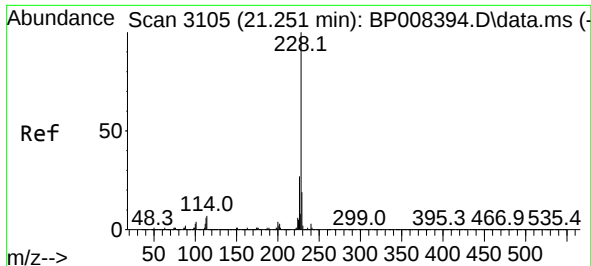
Tgt Ion:202 Resp: 3057939
 Ion Ratio Lower Upper
 202 100
 200 21.6 17.1 25.7
 203 17.8 14.2 21.2



#79
 Terphenyl-d14
 Concen: 6.866 ng
 RT: 19.733 min Scan# 2847
 Delta R.T. -0.000 min
 Lab File: BP008418.D
 Acq: 15 Dec 2021 15:49

Tgt Ion:244 Resp: 159910
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 7.4 6.6 9.8

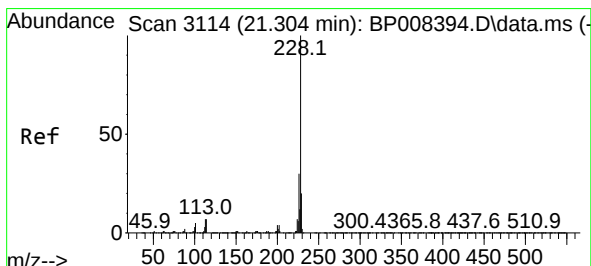
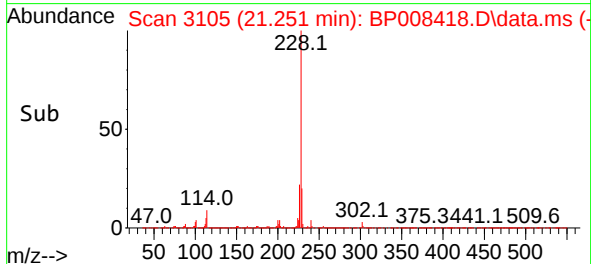
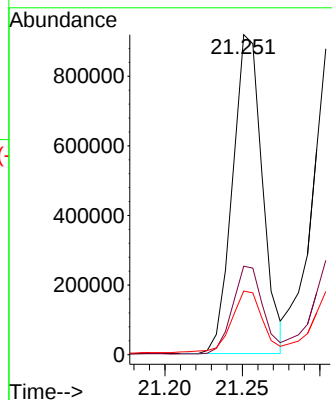
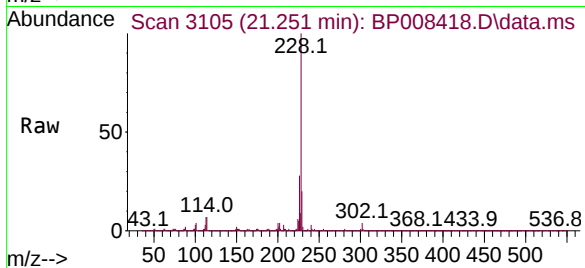




#81
Benzo(a)anthracene
Concen: 45.101 ng
RT: 21.251 min Scan# 3105
Delta R.T. -0.000 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

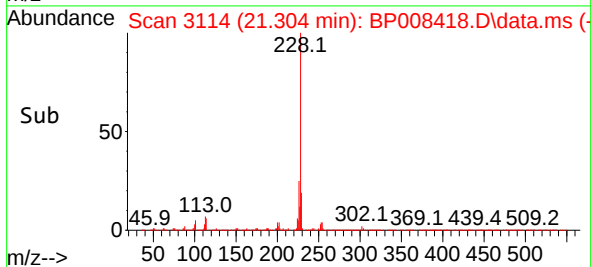
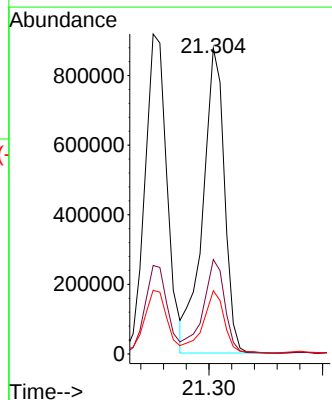
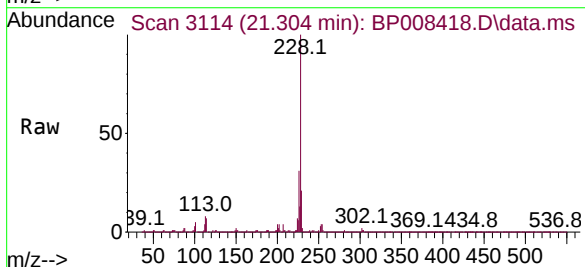
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

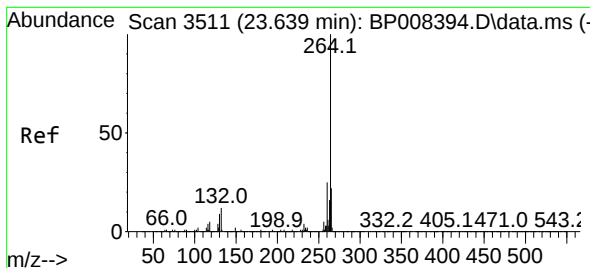
Tgt Ion:228 Resp: 1225243
Ion Ratio Lower Upper
228 100
226 27.7 21.9 32.9
229 19.9 15.9 23.9



#83
Chrysene
Concen: 44.614 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion:228 Resp: 1157703
Ion Ratio Lower Upper
228 100
226 30.8 24.0 36.0
229 20.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.639 min Scan# 3511

Delta R.T. -0.000 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-G

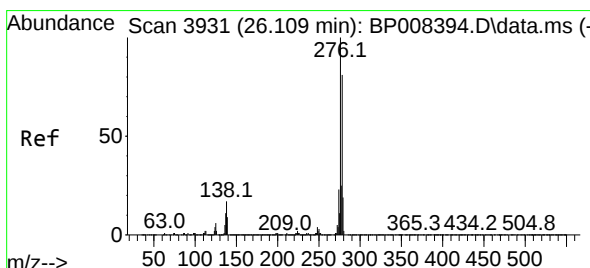
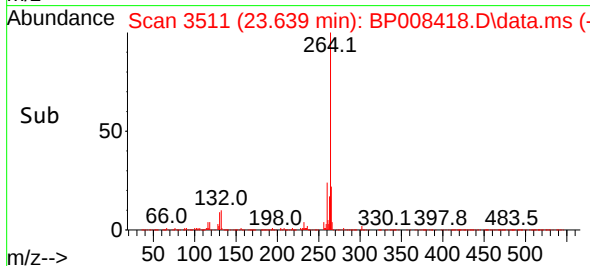
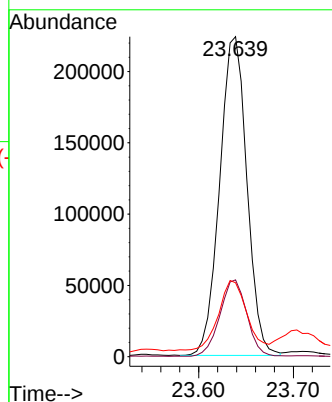
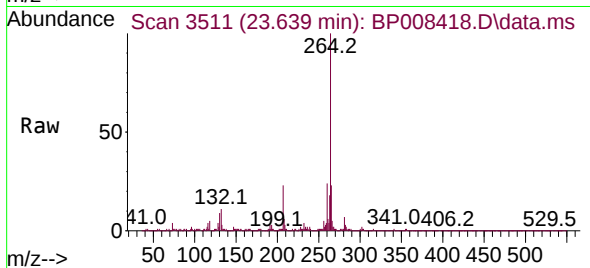
Tgt Ion:264 Resp: 446384

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 23.1 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.444 ng

RT: 26.104 min Scan# 3930

Delta R.T. -0.006 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

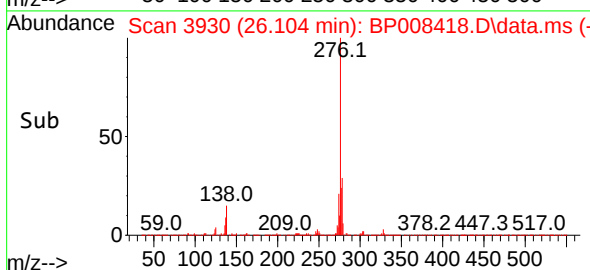
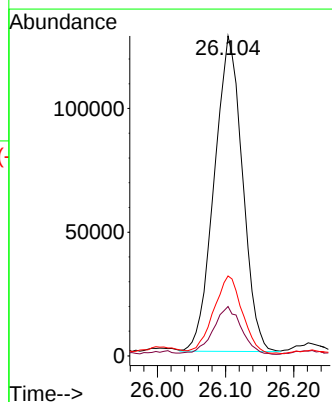
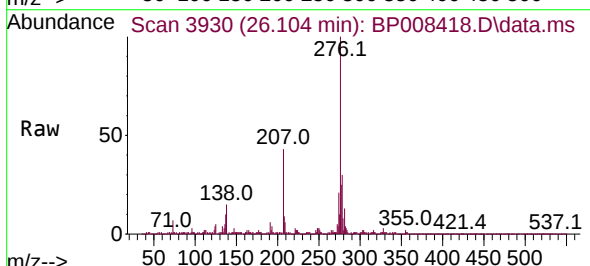
Tgt Ion:276 Resp: 366989

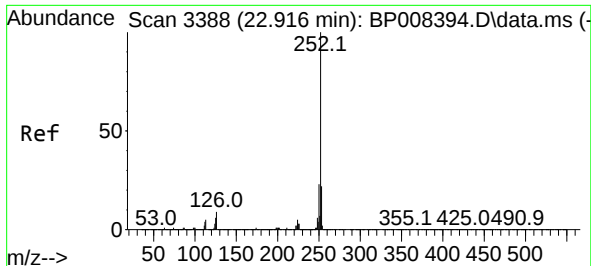
Ion Ratio Lower Upper

276 100

138 15.2 16.6 25.0#

277 25.1 20.2 30.2

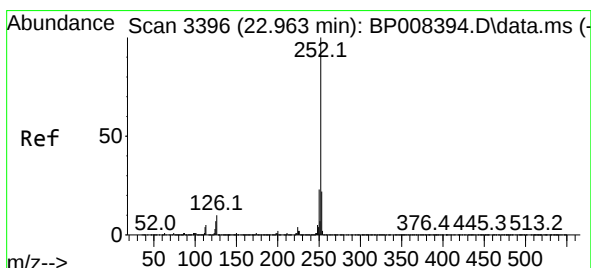
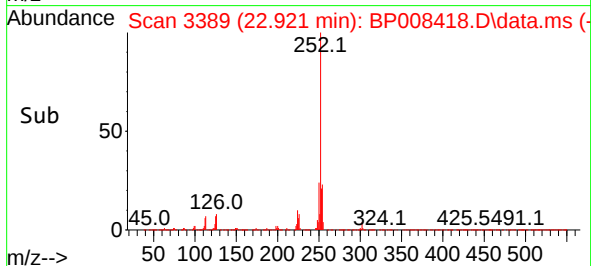
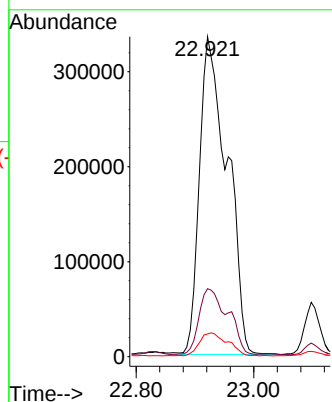
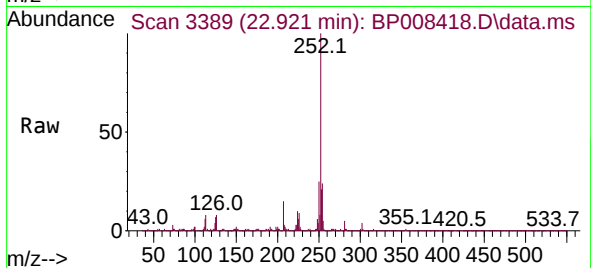




#88
Benzo(b)fluoranthene
Concen: 40.881 ng
RT: 22.921 min Scan# 3389
Delta R.T. 0.006 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

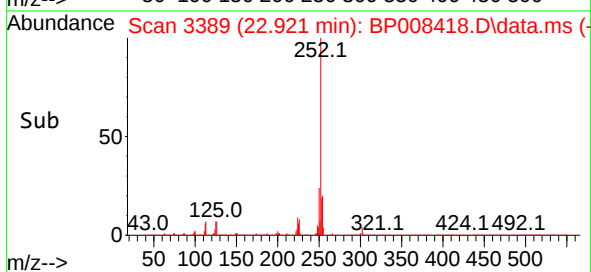
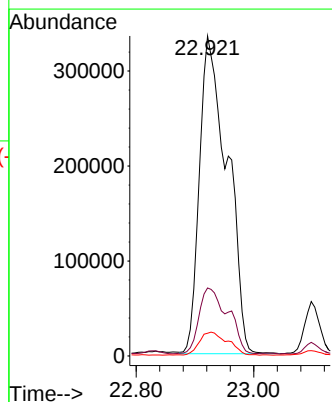
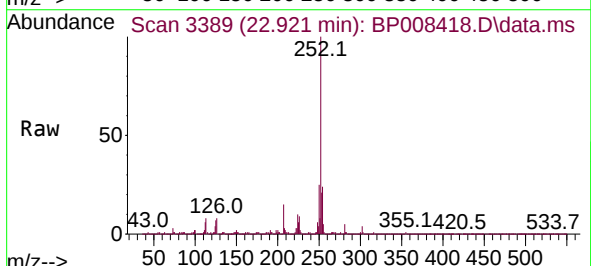
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-G

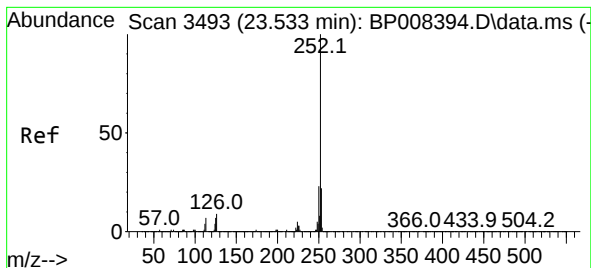
Tgt Ion:252 Resp: 1097735
Ion Ratio Lower Upper
252 100
253 21.3 17.7 26.5
125 7.1 6.2 9.4



#89
Benzo(k)fluoranthene
Concen: 40.539 ng
RT: 22.921 min Scan# 3389
Delta R.T. -0.041 min
Lab File: BP008418.D
Acq: 15 Dec 2021 15:49

Tgt Ion:252 Resp: 1097735
Ion Ratio Lower Upper
252 100
253 21.3 17.3 25.9
125 7.1 6.5 9.7





#90

Benzo(a)pyrene

Concen: 19.634 ng

RT: 23.427 min Scan# 34

Delta R.T. -0.106 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-G

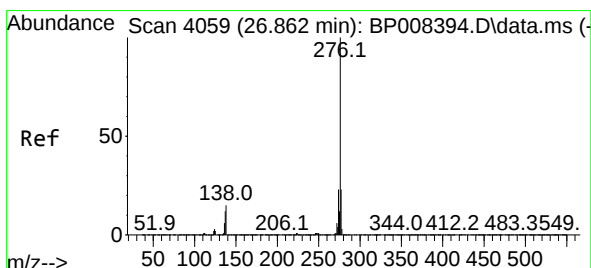
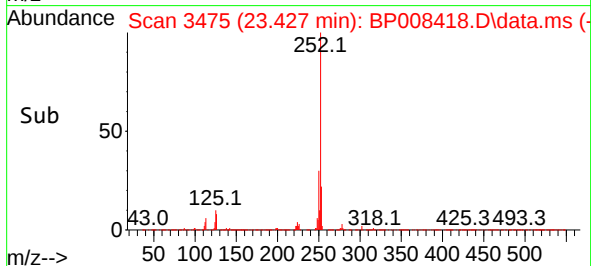
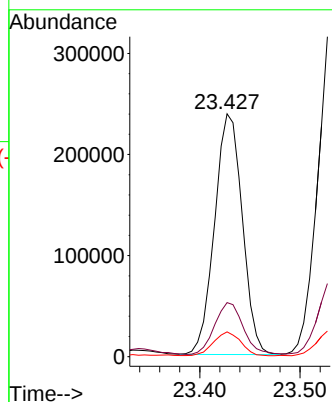
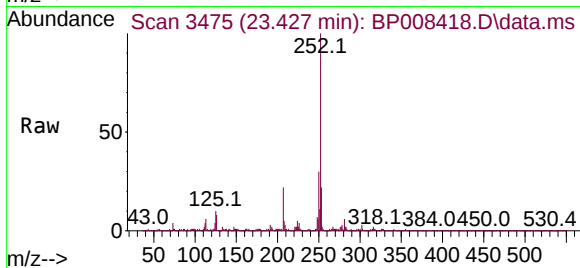
Tgt Ion:252 Resp: 457605

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.2 7.4 11.0



#92

Benzo(g,h,i)perylene

Concen: 12.794 ng

RT: 26.868 min Scan# 4060

Delta R.T. 0.006 min

Lab File: BP008418.D

Acq: 15 Dec 2021 15:49

Tgt Ion:276 Resp: 372651

Ion Ratio Lower Upper

276 100

277 24.6 20.0 30.0

138 14.3 14.1 21.1

