

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013942.D
 Acq On : 03 Mar 2023 13:42
 Operator : CG/JU
 Sample : 01744-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11939DL

Quant Time: Mar 04 00:55:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 02 04:26:35 2023
 Response via : Initial Calibration

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

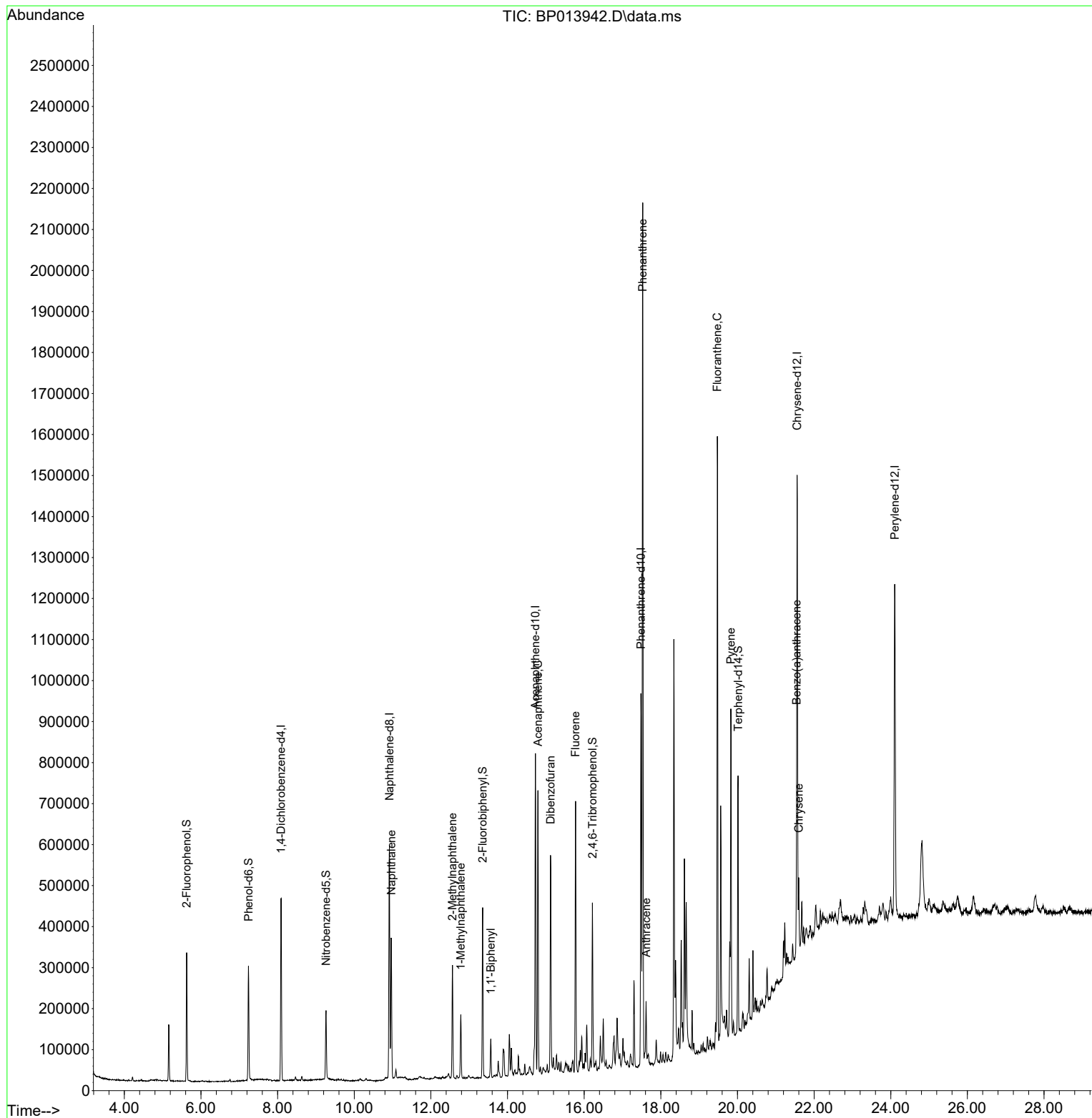
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	117119	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	448249	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	267793	20.000	ng	0.00
64) Phenanthrene-d10	17.481	188	550013	20.000	ng	0.00
76) Chrysene-d12	21.557	240	558226	20.000	ng	-0.01
86) Perylene-d12	24.104	264	686212	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.628	112	121614	17.114	ng	0.00
7) Phenol-d6	7.240	99	147712	16.230	ng	-0.01
23) Nitrobenzene-d5	9.263	82	94278	11.358	ng	0.00
42) 2,4,6-Tribromophenol	16.216	330	58565	15.024	ng	-0.01
45) 2-Fluorobiphenyl	13.352	172	201379	9.877	ng	0.00
79) Terphenyl-d14	20.016	244	295639	10.190	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.969	128	266045	10.825	ng	98
37) 2-Methylnaphthalene	12.563	142	118892	6.683	ng	97
38) 1-Methylnaphthalene	12.781	142	67823	4.074	ng	# 97
46) 1,1'-Biphenyl	13.563	154	48764	2.253	ng	98
52) Acenaphthene	14.793	154	235414	14.883	ng	98
55) Dibenzofuran	15.128	168	264607	10.054	ng	97
58) Fluorene	15.775	166	288876	13.998	ng	98
71) Phenanthrene	17.528	178	1257036	40.796	ng	99
72) Anthracene	17.616	178	87631	2.844	ng	99
75) Fluoranthene	19.475	202	864515	22.507	ng	98
78) Pyrene	19.828	202	513411	13.459	ng	100
81) Benzo(a)anthracene	21.545	228	126888	3.174	ng	99
83) Chrysene	21.598	228	102193	2.639	ng	97

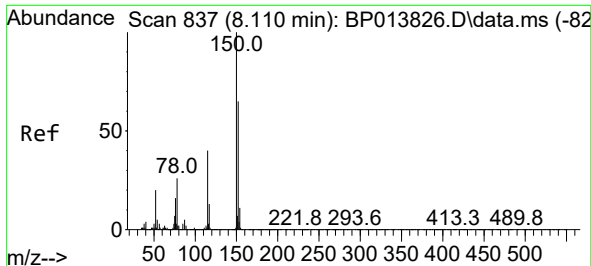
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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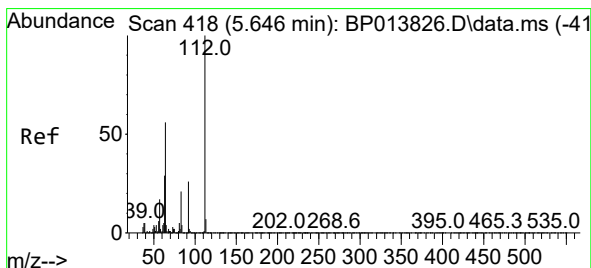
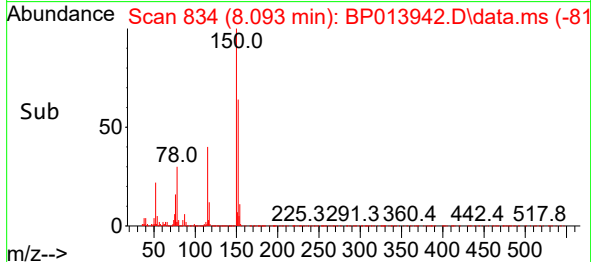
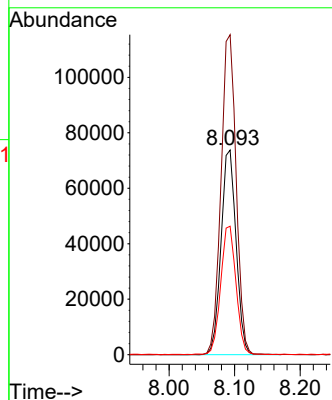
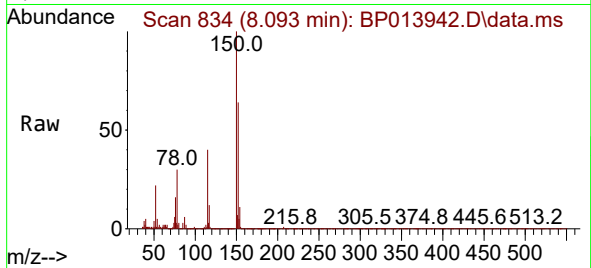




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

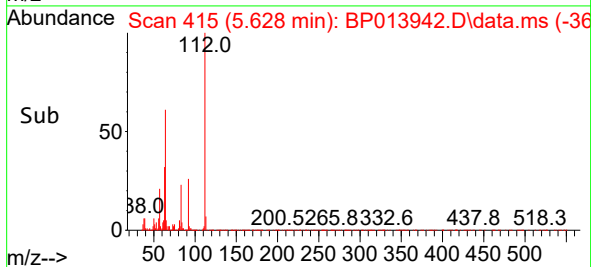
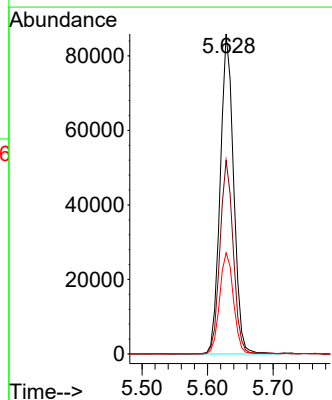
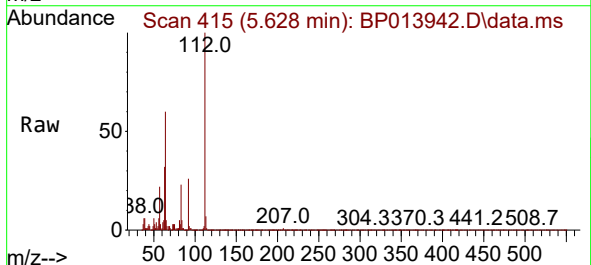
Instrument :
BNA_P
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72-11939DL

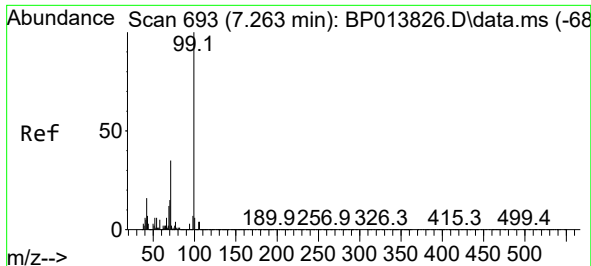
Tgt Ion:152 Resp: 117119
Ion Ratio Lower Upper
152 100
150 156.4 122.8 184.2
115 62.8 49.0 73.6



#5
2-Fluorophenol
Concen: 17.114 ng
RT: 5.628 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:112 Resp: 121614
Ion Ratio Lower Upper
112 100
64 60.5 44.6 66.8
63 31.6 23.6 35.4

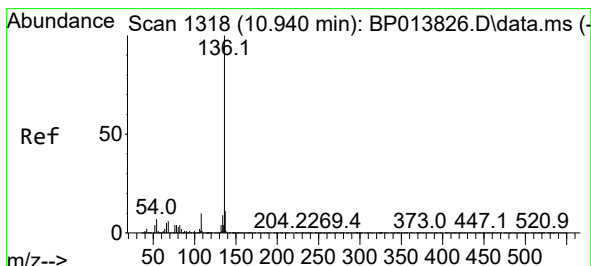
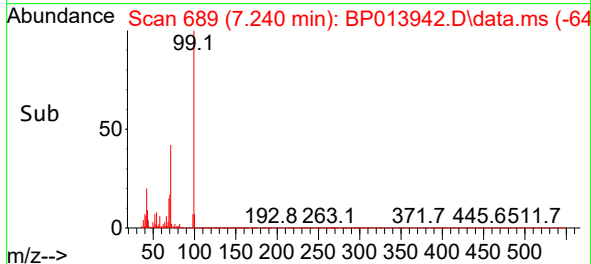
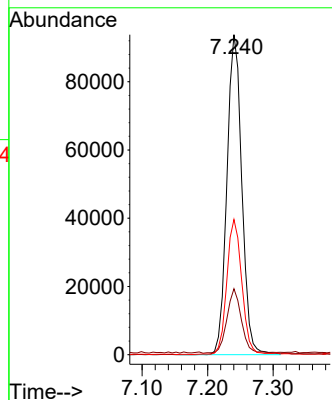
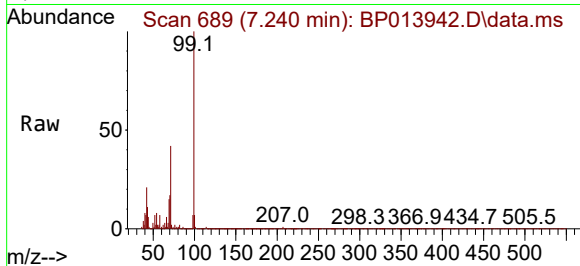




#7
Phenol-d6
Concen: 16.230 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

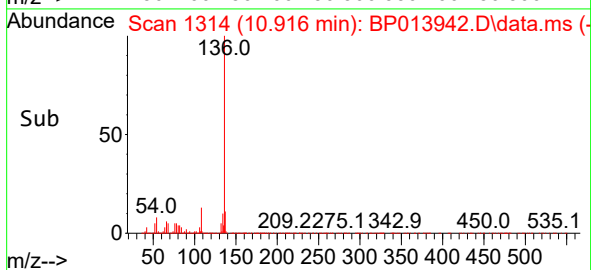
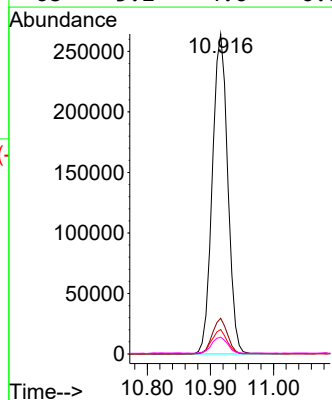
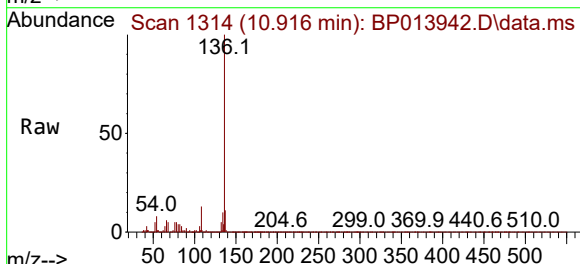
Instrument :
BNA_P
ClientSampleId :
72-11939DL

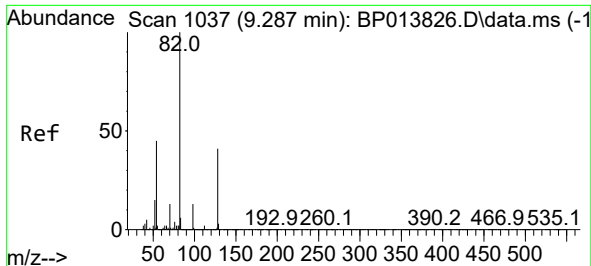
Tgt Ion: 99 Resp: 147712
Ion Ratio Lower Upper
99 100
42 20.6 12.5 18.7#
71 42.2 27.8 41.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion: 136 Resp: 448249
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.7 5.8 8.6
68 5.2 4.6 6.8

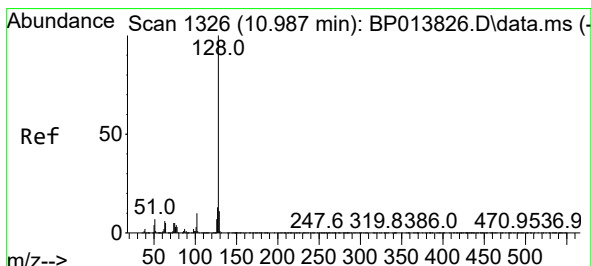
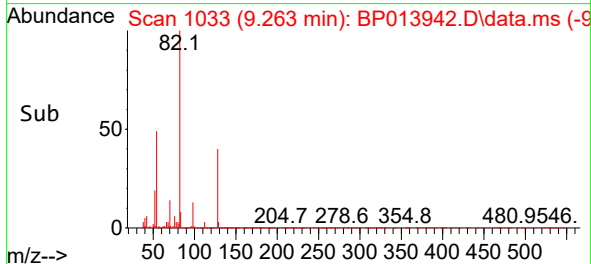
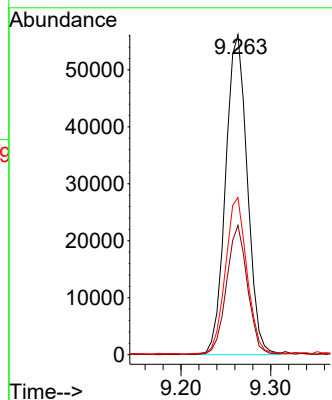
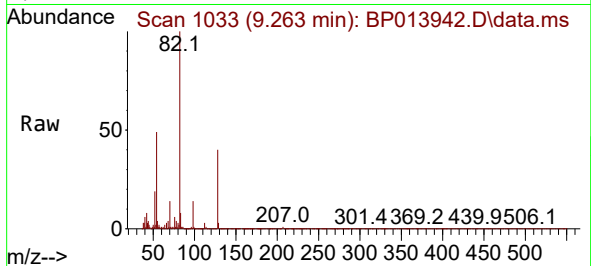




#23
Nitrobenzene-d5
Concen: 11.358 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

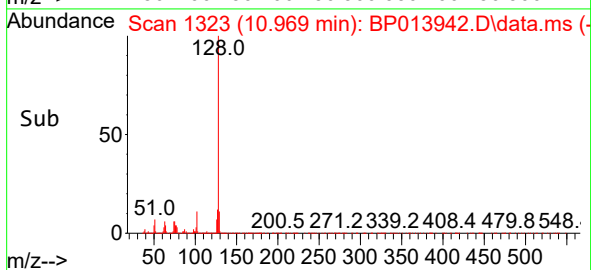
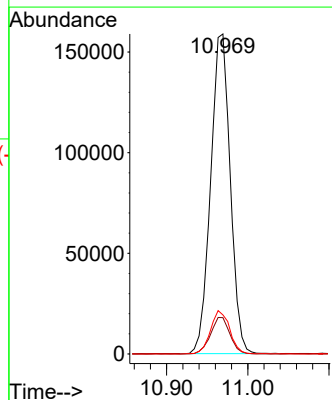
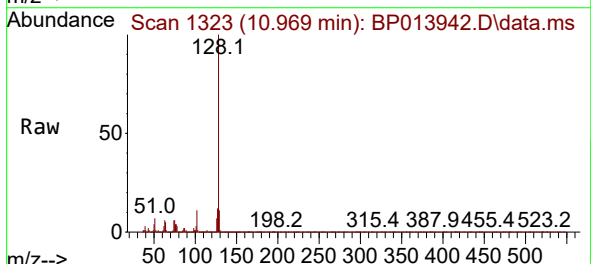
Instrument :
BNA_P
ClientSampleId :
72-11939DL

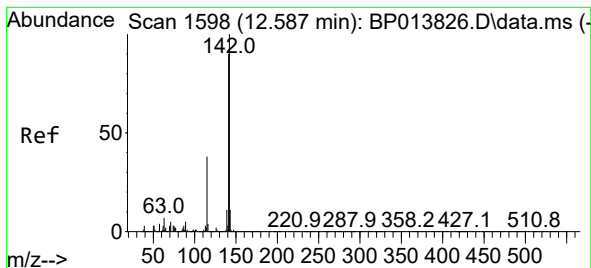
Tgt Ion: 82 Resp: 94278
Ion Ratio Lower Upper
82 100
128 40.4 32.9 49.3
54 49.1 35.6 53.4



#31
Naphthalene
Concen: 10.825 ng
RT: 10.969 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion: 128 Resp: 266045
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 12.2 10.4 15.6





#37

2-Methylnaphthalene

Concen: 6.683 ng

RT: 12.563 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

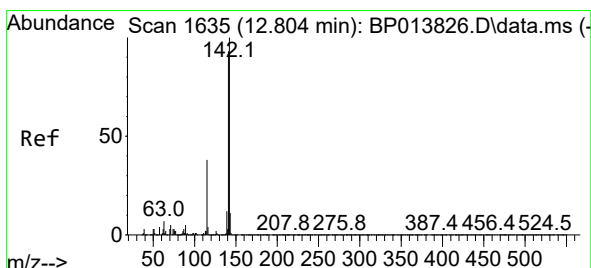
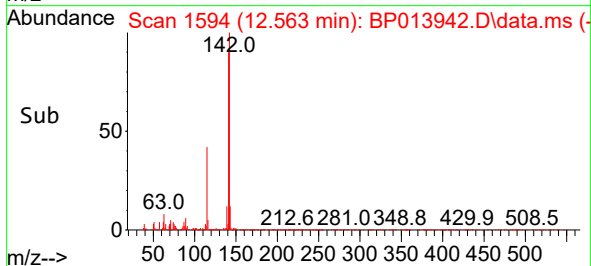
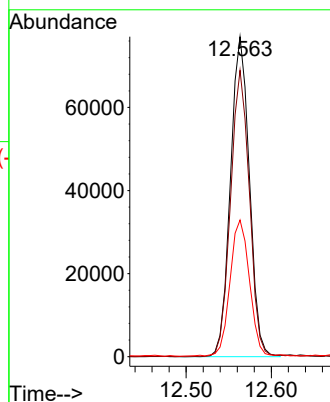
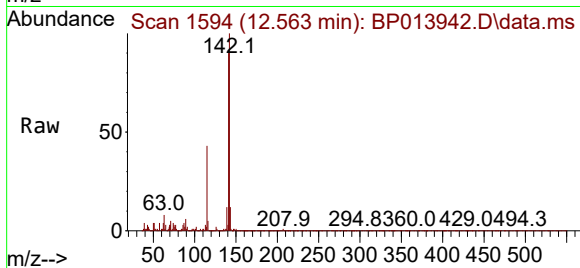
Tgt Ion:142 Resp: 118892

Ion Ratio Lower Upper

142 100

141 89.5 72.1 108.1

115 42.7 30.2 45.4



#38

1-Methylnaphthalene

Concen: 4.074 ng

RT: 12.781 min Scan# 1631

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

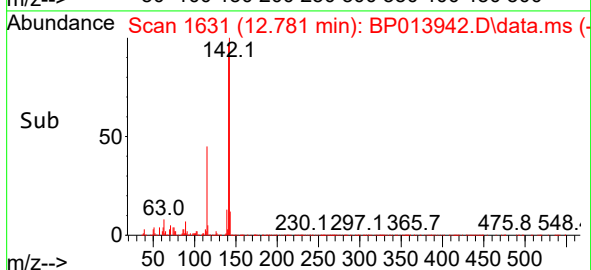
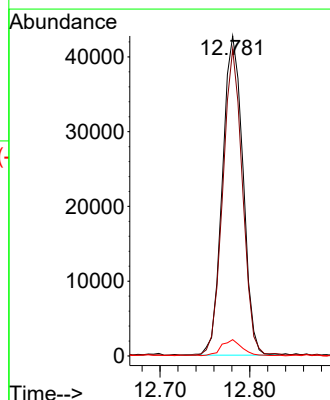
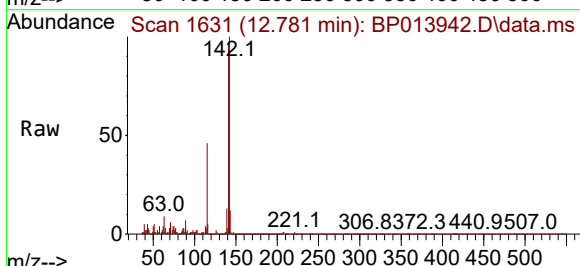
Tgt Ion:142 Resp: 67823

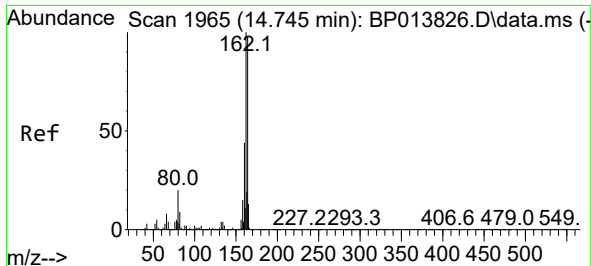
Ion Ratio Lower Upper

142 100

141 95.9 74.2 111.4

116 5.1 3.3 4.9#

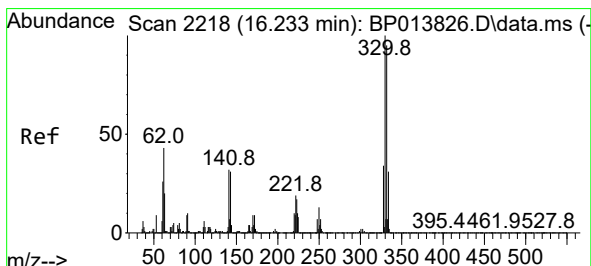
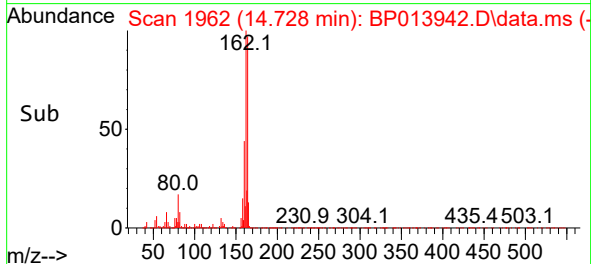
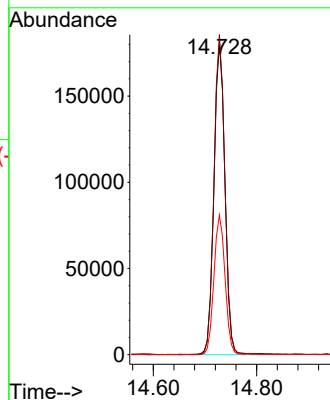
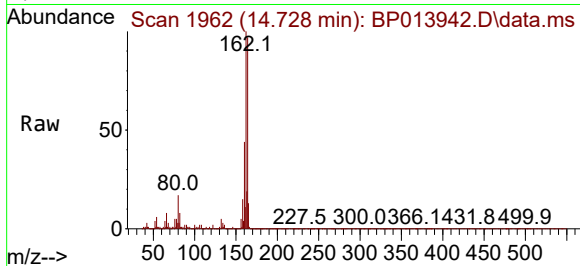




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.728 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

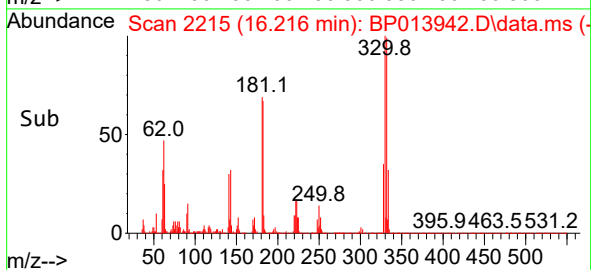
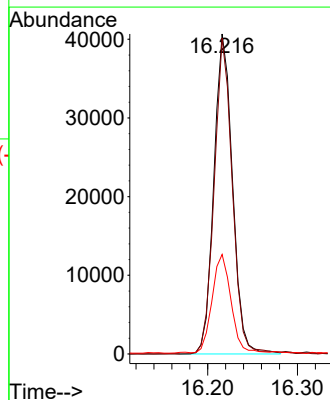
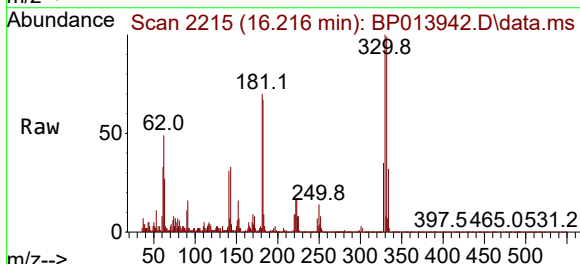
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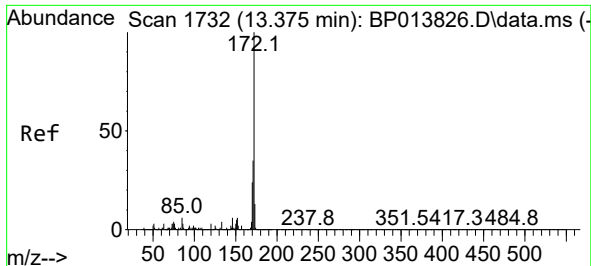
Tgt Ion:164 Resp: 267793
Ion Ratio Lower Upper
164 100
162 102.9 81.7 122.5
160 44.9 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 15.024 ng
RT: 16.216 min Scan# 2215
Delta R.T. -0.012 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:330 Resp: 58565
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 31.6 25.1 37.7

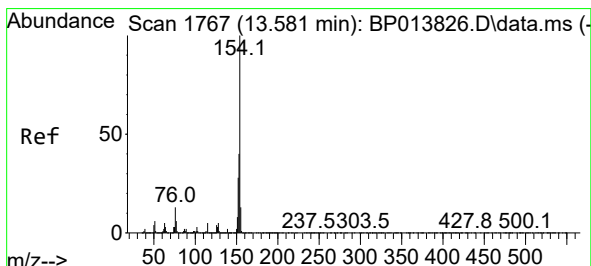
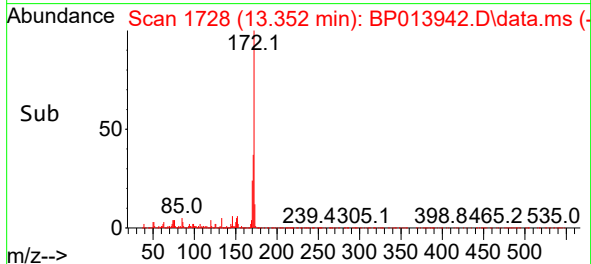
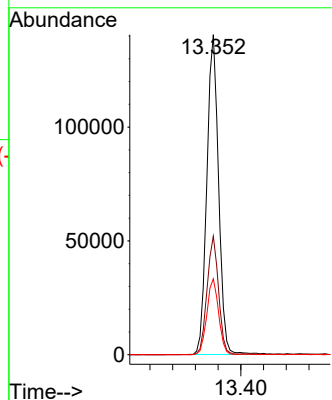
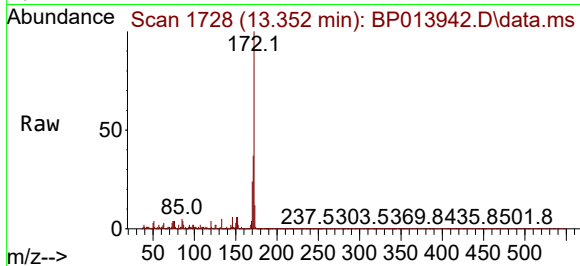




#45
2-Fluorobiphenyl
Concen: 9.877 ng
RT: 13.352 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

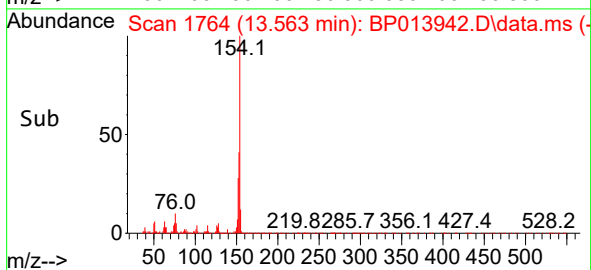
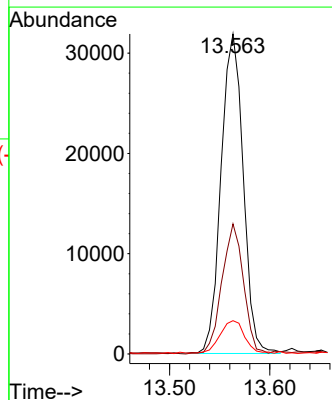
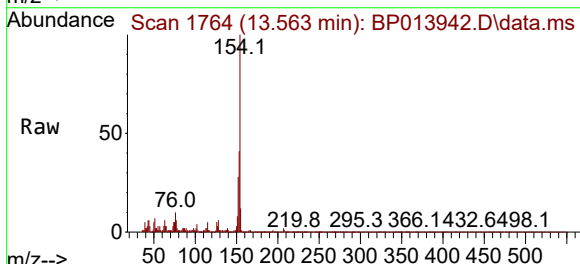
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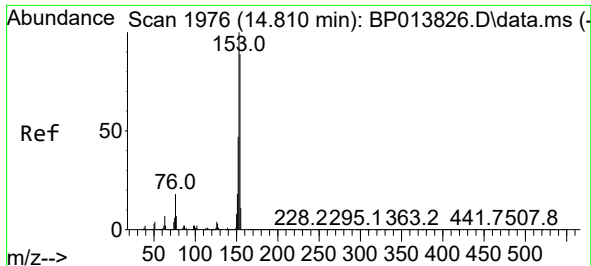
Tgt Ion:172 Resp: 201379
Ion Ratio Lower Upper
172 100
171 37.0 28.2 42.4
170 23.7 19.0 28.4



#46
1,1'-Biphenyl
Concen: 2.253 ng
RT: 13.563 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:154 Resp: 48764
Ion Ratio Lower Upper
154 100
153 40.6 19.9 59.9
76 10.4 0.0 32.8

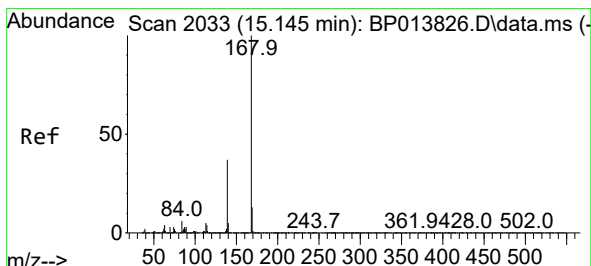
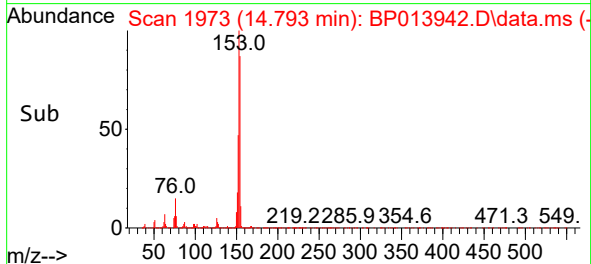
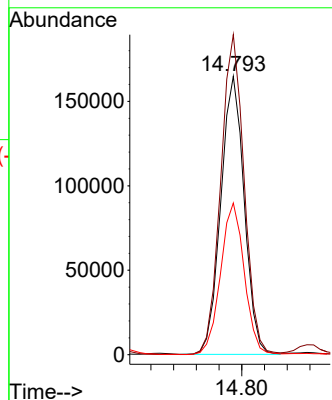
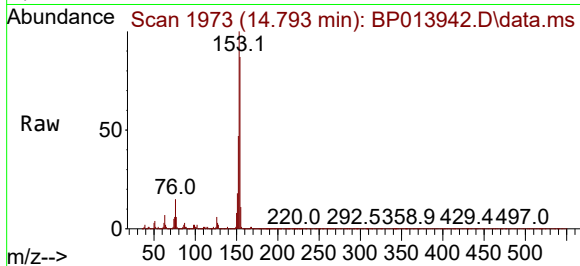




#52
Acenaphthene
Concen: 14.883 ng
RT: 14.793 min Scan# 1973
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

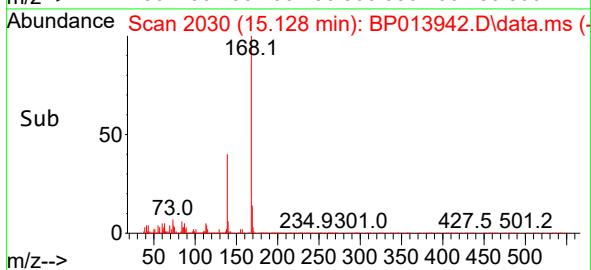
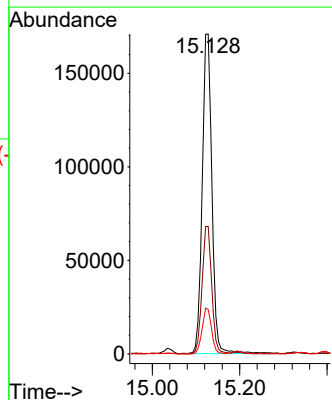
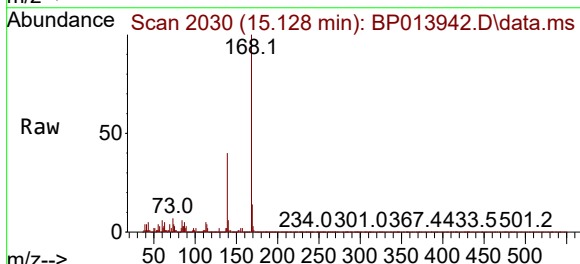
Instrument :
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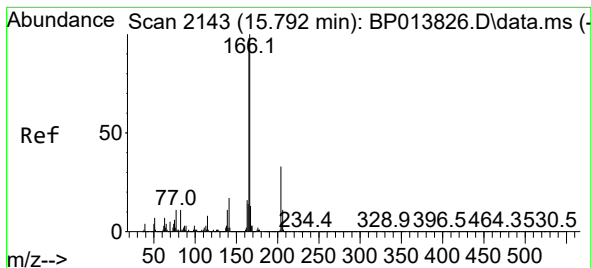
Tgt Ion:154 Resp: 235414
Ion Ratio Lower Upper
154 100
153 114.9 90.4 135.6
152 54.5 42.6 64.0



#55
Dibenzofuran
Concen: 10.054 ng
RT: 15.128 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:168 Resp: 264607
Ion Ratio Lower Upper
168 100
139 39.8 29.8 44.8
169 13.9 10.8 16.2





#58

Fluorene

Concen: 13.998 ng

RT: 15.775 min Scan# 2143

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

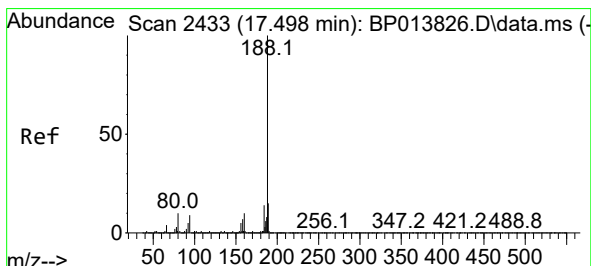
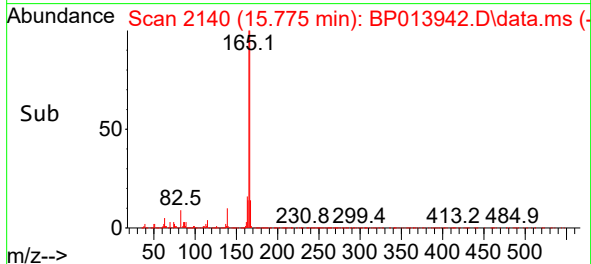
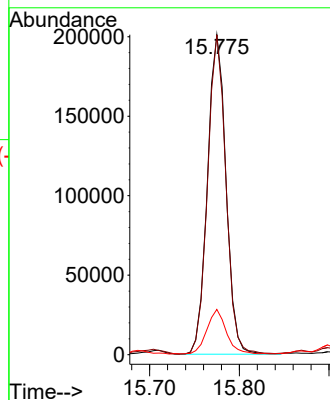
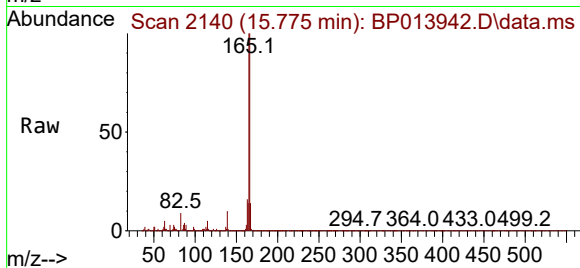
Tgt Ion:166 Resp: 288876

Ion Ratio Lower Upper

166 100

165 100.0 78.1 117.1

167 14.1 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.481 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

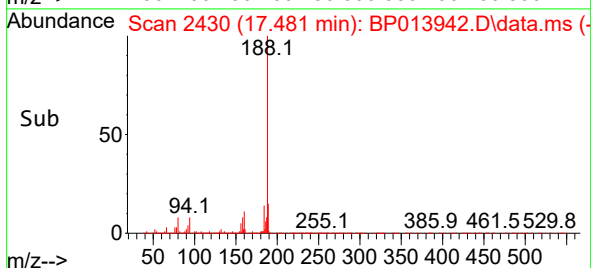
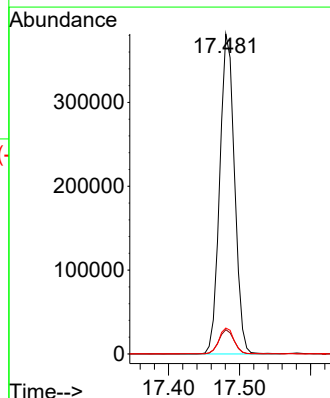
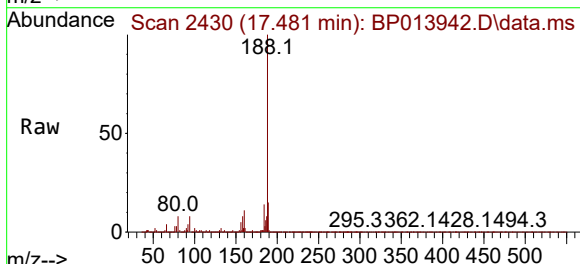
Tgt Ion:188 Resp: 550013

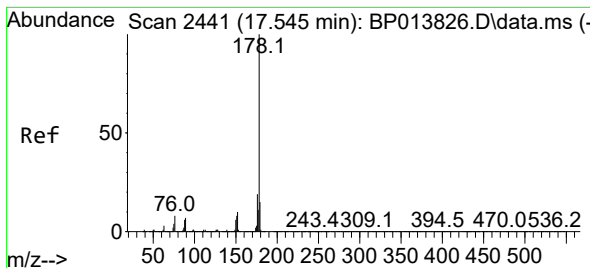
Ion Ratio Lower Upper

188 100

94 7.6 7.0 10.6

80 8.1 7.8 11.8





#71

Phenanthrene

Concen: 40.796 ng

RT: 17.528 min Scan# 2441

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

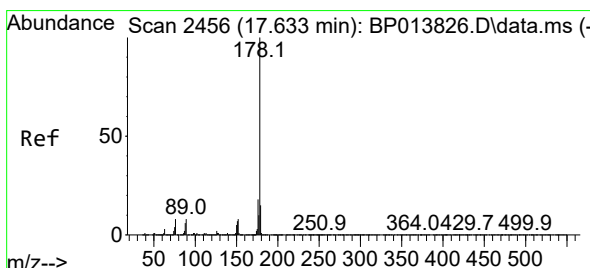
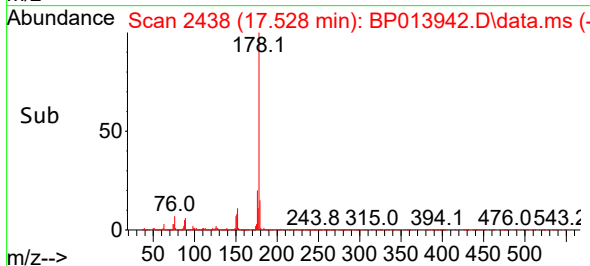
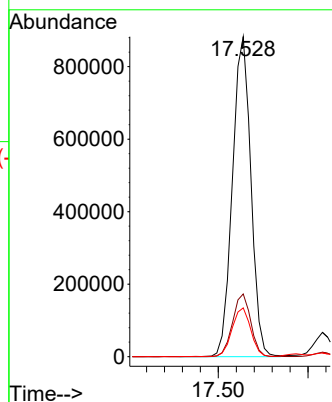
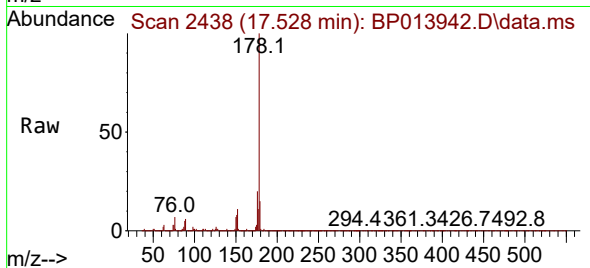
Tgt Ion:178 Resp: 1257036

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.2 12.2 18.4



#72

Anthracene

Concen: 2.844 ng

RT: 17.616 min Scan# 2453

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

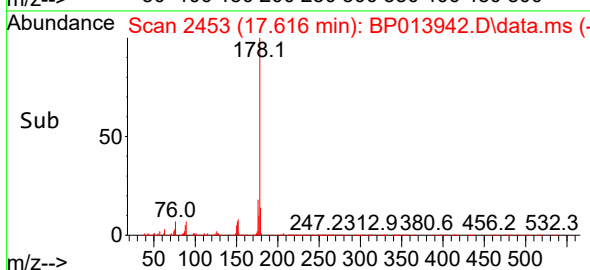
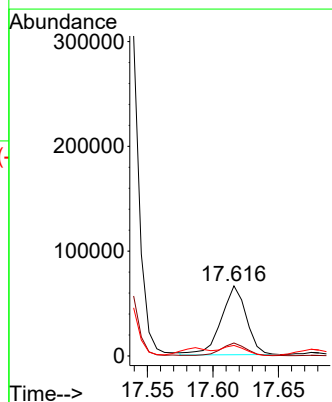
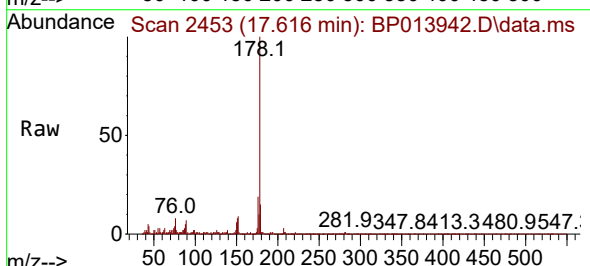
Tgt Ion:178 Resp: 87631

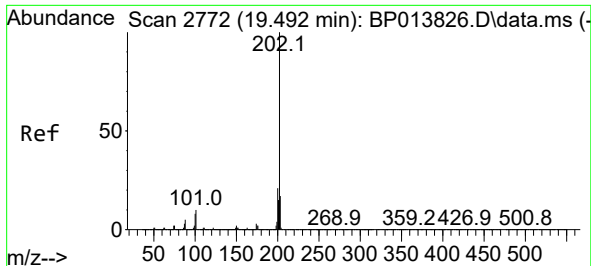
Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

179 15.1 12.4 18.6

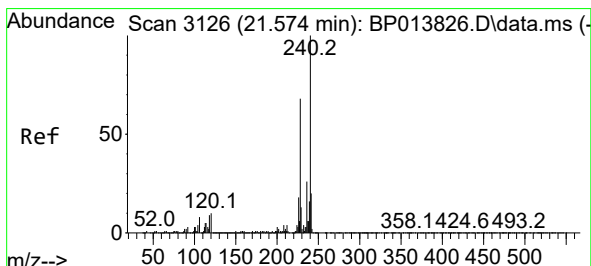
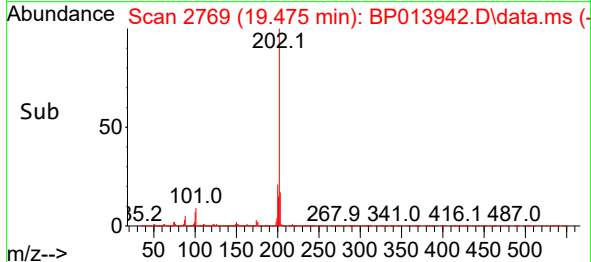
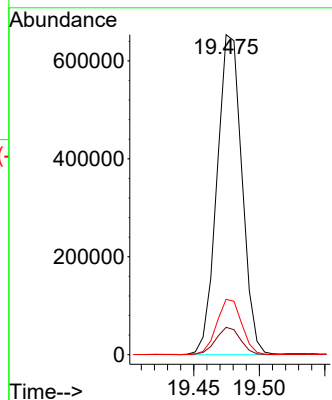
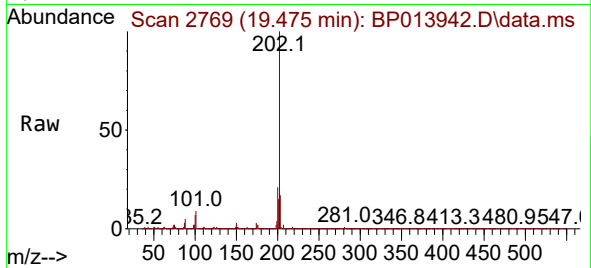




#75
Fluoranthene
Concen: 22.507 ng
RT: 19.475 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

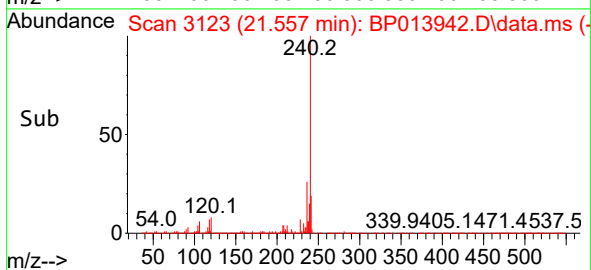
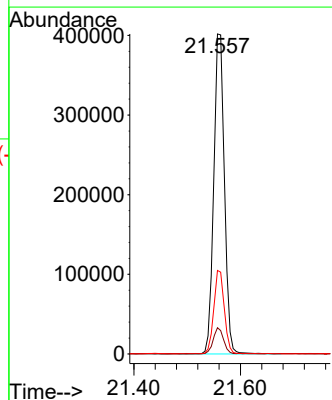
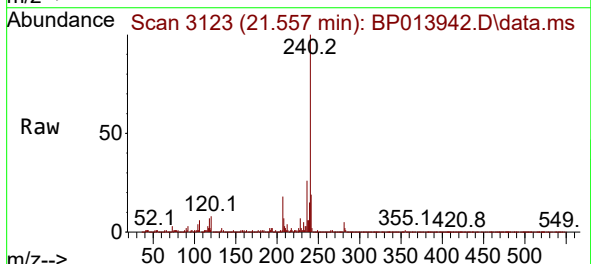
Instrument :
BNA_P
ClientSampleId :
72-11939DL

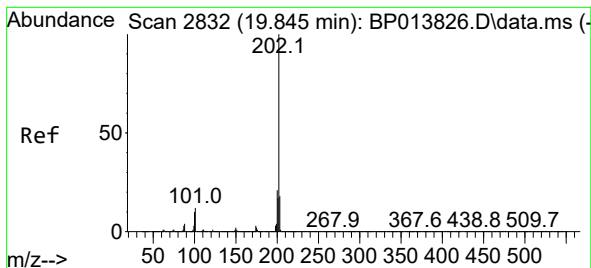
Tgt Ion:202 Resp: 864515
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.0
203 17.3 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.557 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:240 Resp: 558226
Ion Ratio Lower Upper
240 100
120 8.2 7.9 11.9
236 26.1 20.9 31.3





#78

Pyrene

Concen: 13.459 ng

RT: 19.828 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

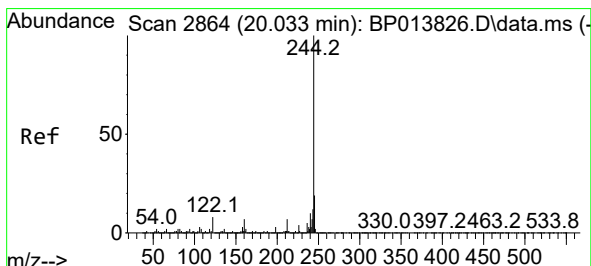
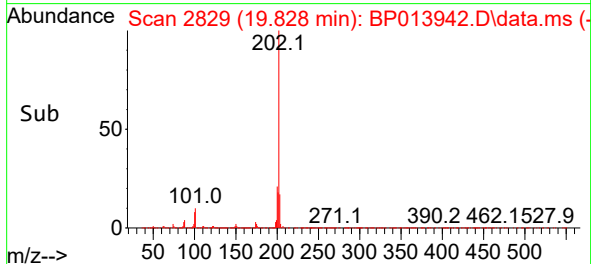
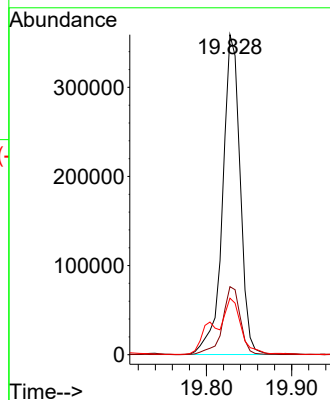
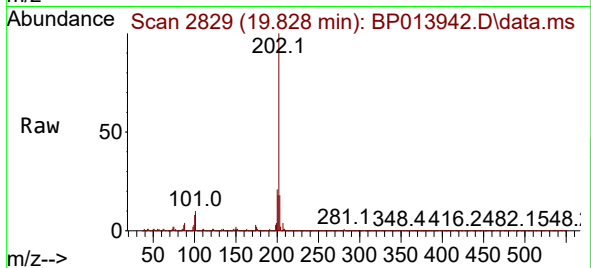
Tgt Ion:202 Resp: 513411

Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 17.7 14.2 21.2



#79

Terphenyl-d14

Concen: 10.190 ng

RT: 20.016 min Scan# 2861

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

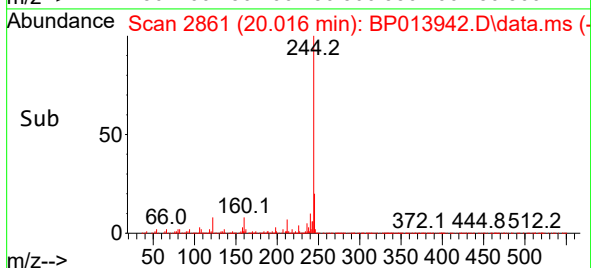
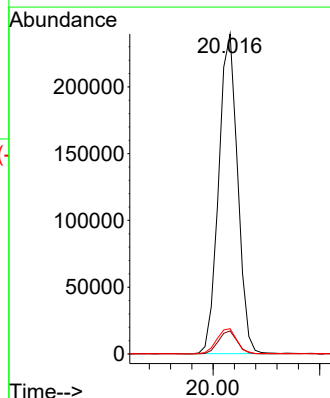
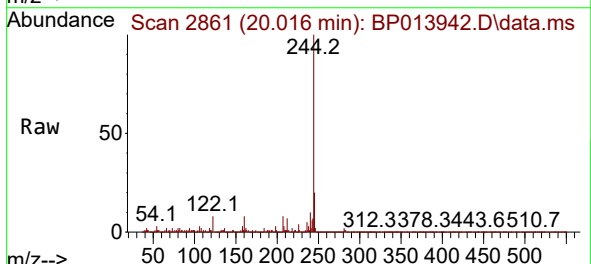
Tgt Ion:244 Resp: 295639

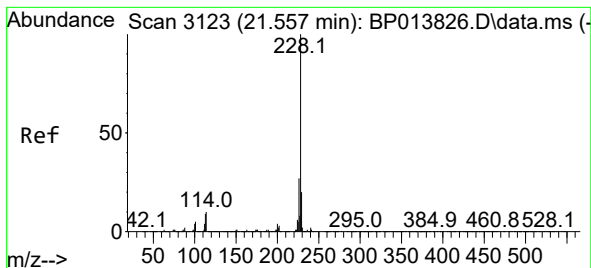
Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 7.9 6.7 10.1





#81

Benzo(a)anthracene

Concen: 3.174 ng

RT: 21.545 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

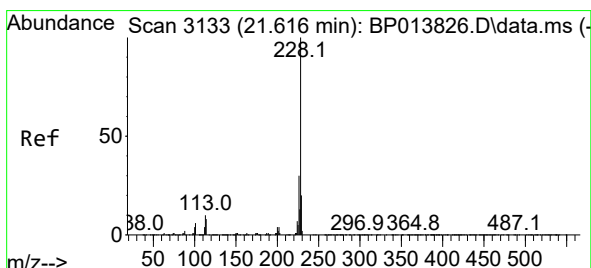
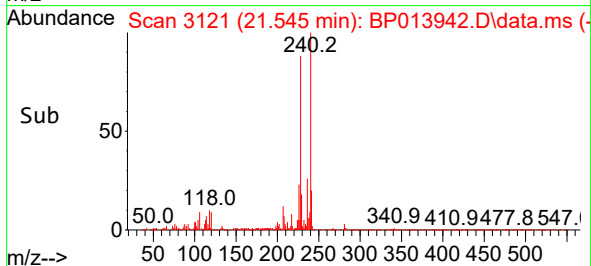
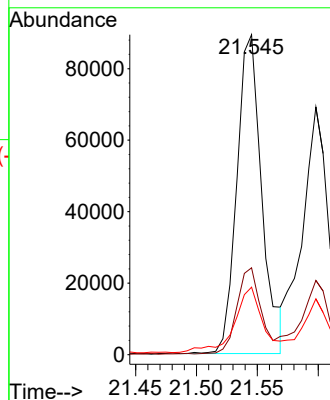
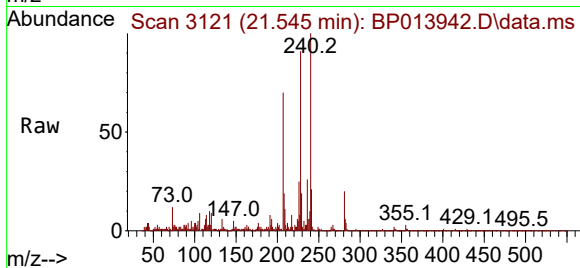
Tgt Ion:228 Resp: 126888

Ion Ratio Lower Upper

228 100

226 27.2 21.7 32.5

229 21.1 15.8 23.6



#83

Chrysene

Concen: 2.639 ng

RT: 21.598 min Scan# 3130

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

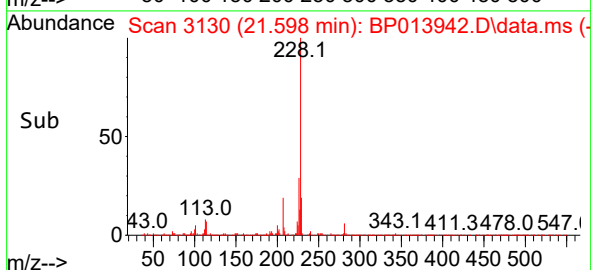
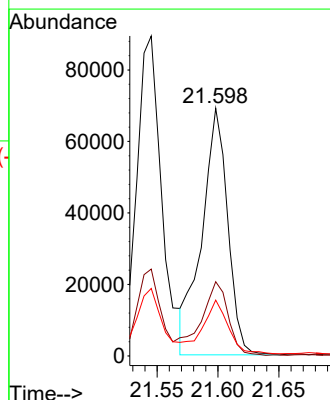
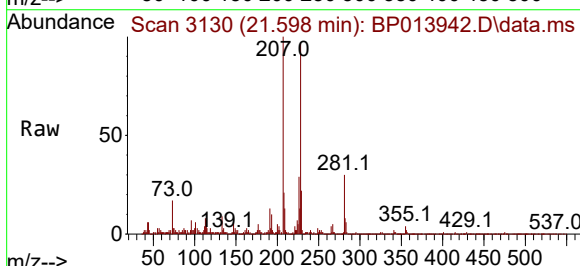
Tgt Ion:228 Resp: 102193

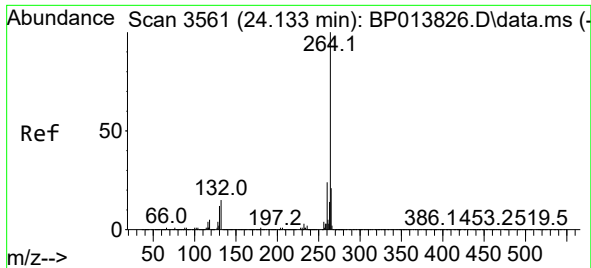
Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

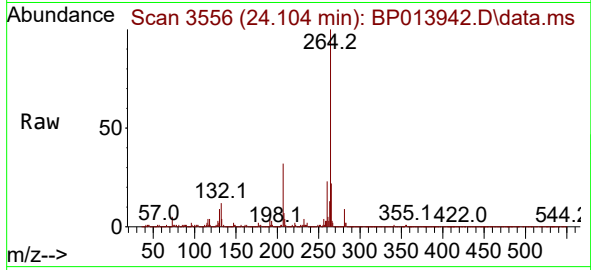
229 22.5 15.8 23.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.104 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP013942.D
 Acq: 03 Mar 2023 13:42

Instrument :
 BNA_P
 ClientSampleId :
 72-11939DL



Tgt Ion:264 Resp: 686212
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.4 29.0
 265 22.1 17.6 26.4

