

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)

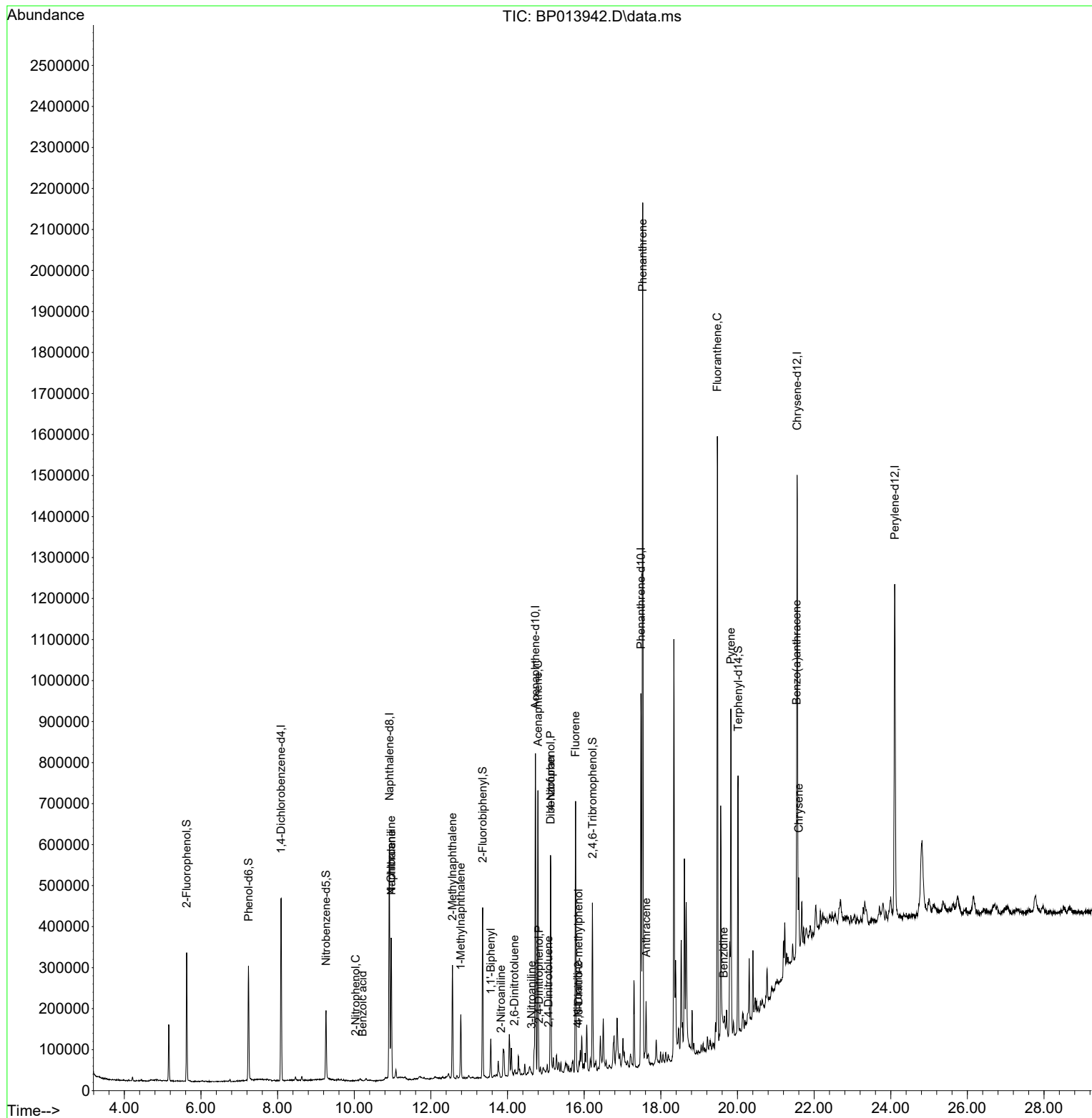
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	117119	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	448249	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	267793	20.000	ng	0.00
64) Phenanthrene-d10	17.481	188	550013	20.000	ng	0.00
76) Chrysene-d12	21.557	240	558226	20.000	ng	-0.01
86) Perylene-d12	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
26) 2-Nitrophenol	10.034	139	35	2.776	ng	# 1
31) Naphthalene	10.969	128	266045	10.825	ng	98
32) Benzoic acid	10.216	122	71	5.087	ng	# 44
33) 4-Chloroaniline	10.963	127	35394	3.430	ng	# 35
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
48) 2-Nitroaniline	13.828	65	53	3.240	ng	# 46
51) 2,6-Dinitrotoluene	14.181	165	585	2.105	ng	91
52) Acenaphthene	14.793	154	235414	14.883	ng	98
53) 3-Nitroaniline	14.628	138	214	2.049	ng	# 38
54) 2,4-Dinitrophenol	14.822	184	32	5.272	ng	# 1
55) Dibenzofuran	15.128	168	264607	10.054	ng	97
56) 4-Nitrophenol	15.122	139	104448	26.815	ng	# 8
57) 2,4-Dinitrotoluene	15.069	165	336	2.331	ng	# 79
58) Fluorene	15.775	166	288876	13.998	ng	98
62) 4-Nitroaniline	15.834	138	144	2.574	ng	93
65) 4,6-Dinitro-2-methylph...	15.851	198	38	4.633	ng	# 1
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
77) Benzidine	19.639	184	189	2.299	ng	# 1
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

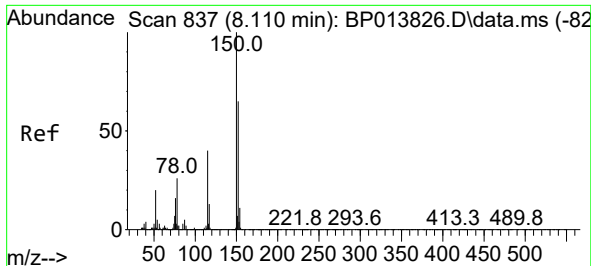
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
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QLast Update : Thu Mar 02 04:26:35 2023
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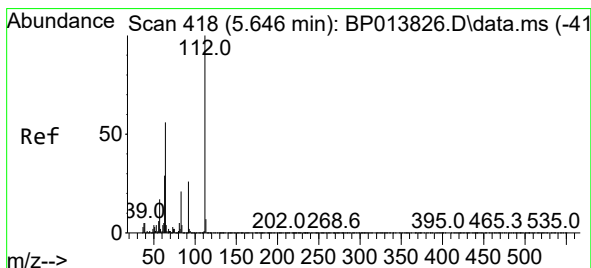
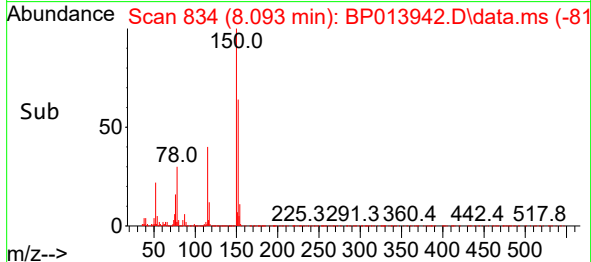
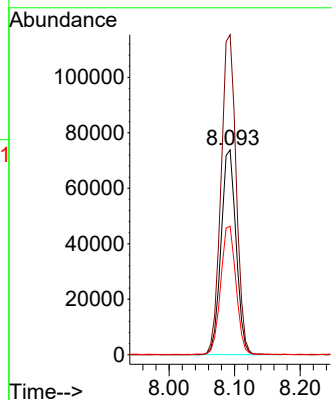
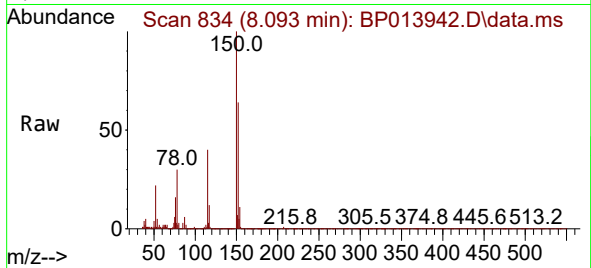




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

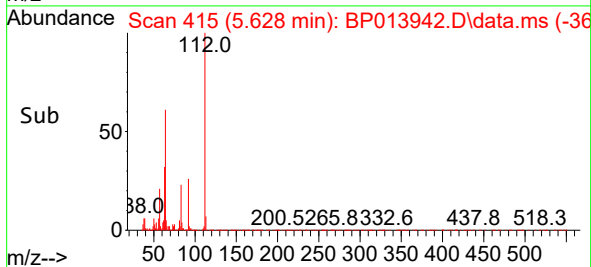
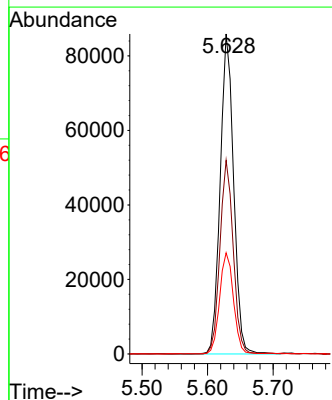
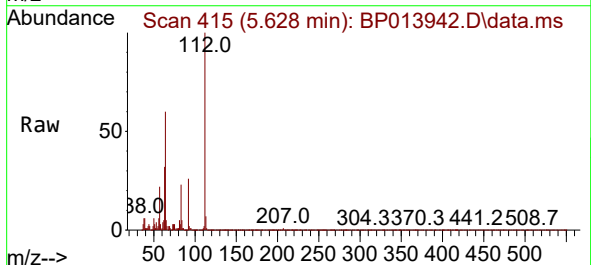
Instrument :
BNA_P
ClientSampleId :
72-11939DL

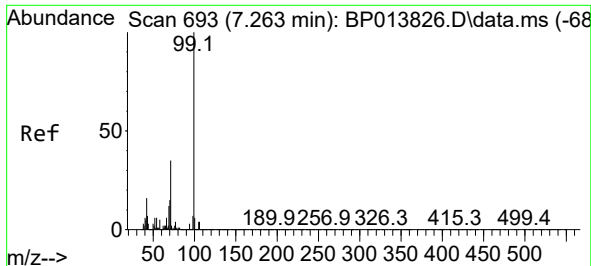
Tgt Ion:152 Resp: 117119
Ion Ratio Lower Upper
152 100
150 156.4 122.8 184.2
115 62.8 49.0 73.6



#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

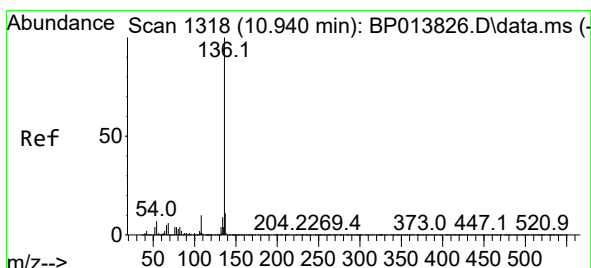
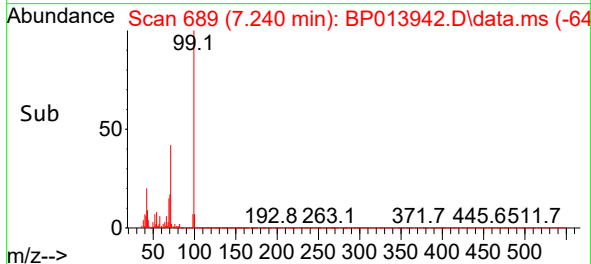
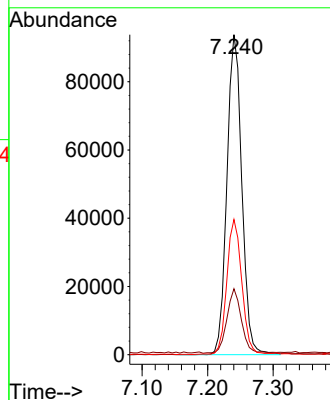
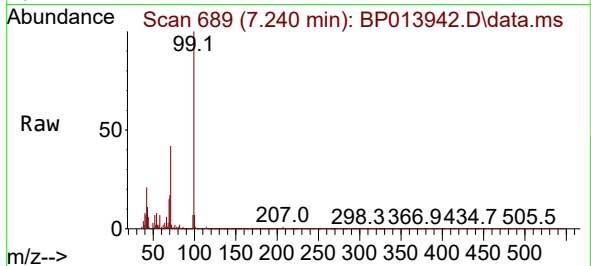




#7
Phenol-d6
Concen: 16.230 ng
RT: 7.240 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

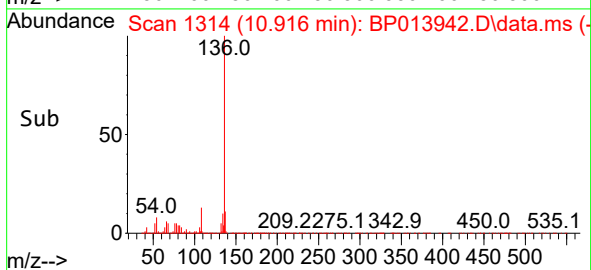
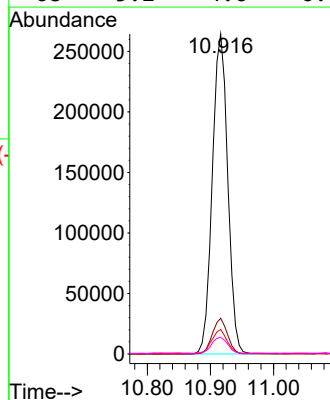
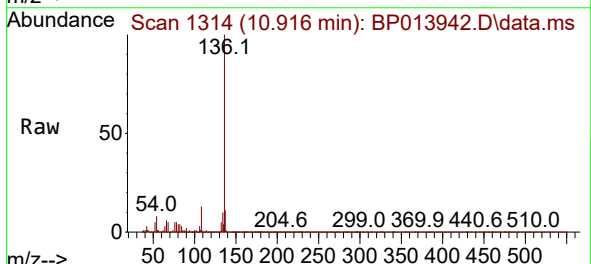
Instrument :
BNA_P
ClientSampleId :
72-11939DL

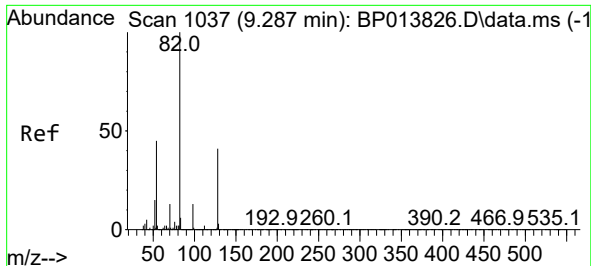
Tgt Ion: 99 Resp: 147712
Ion Ratio Lower Upper
99 100
42 20.6 12.5 18.7#
71 42.2 27.8 41.8#



#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

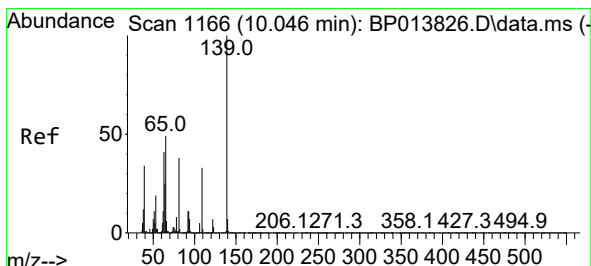
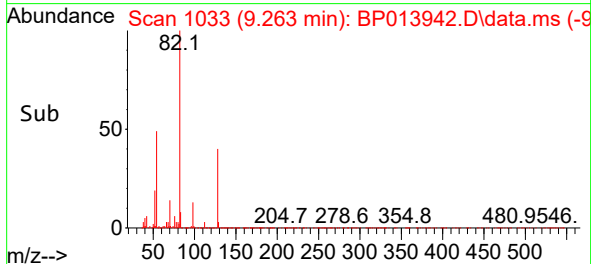
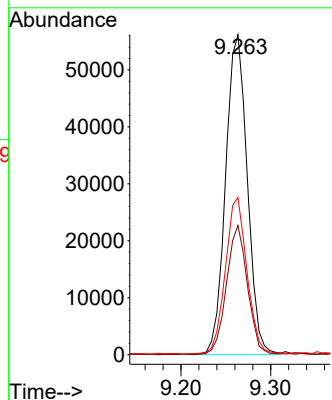
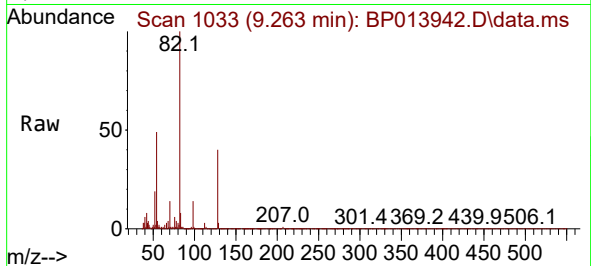




#23
Nitrobenzene-d5
Concen: 11.358 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

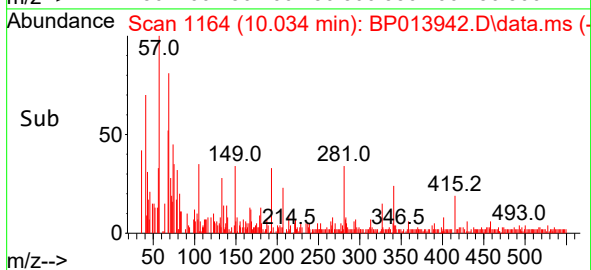
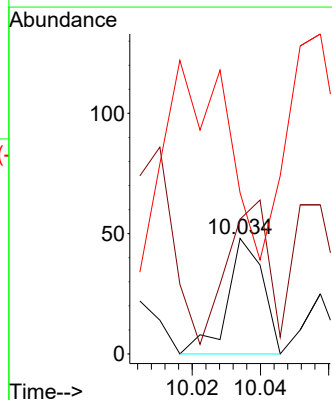
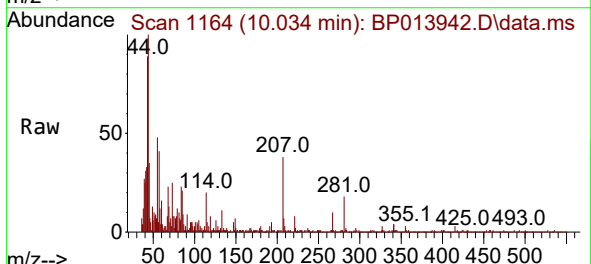
Instrument :
BNA_P
ClientSampleId :
72-11939DL

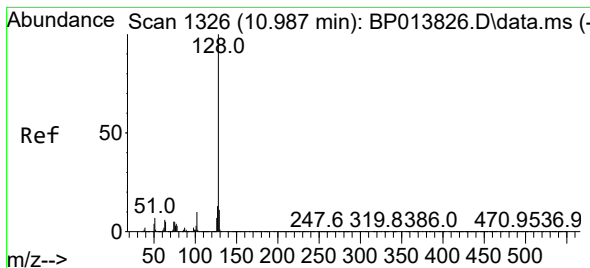
Tgt Ion: 82 Resp: 94278
Ion Ratio Lower Upper
82 100
128 40.4 32.9 49.3
54 49.1 35.6 53.4



#26
2-Nitrophenol
Concen: 2.776 ng
RT: 10.034 min Scan# 1164
Delta R.T. 0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion: 139 Resp: 35
Ion Ratio Lower Upper
139 100
109 116.7 26.7 40.1#
65 139.6 39.4 59.2#





#31

Naphthalene

Concen: 10.825 ng

RT: 10.969 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

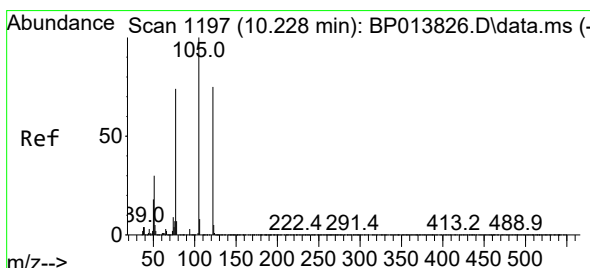
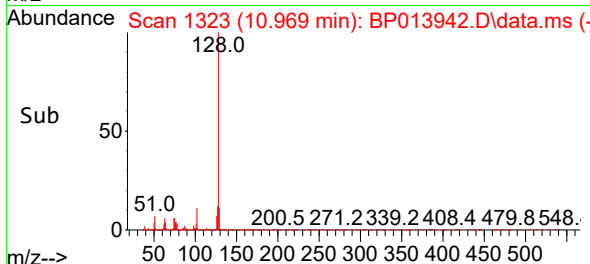
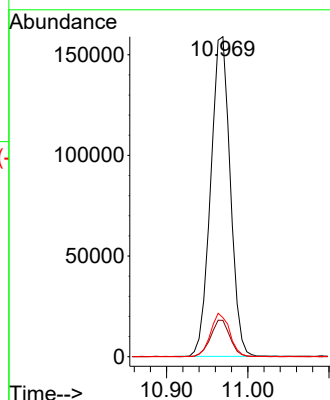
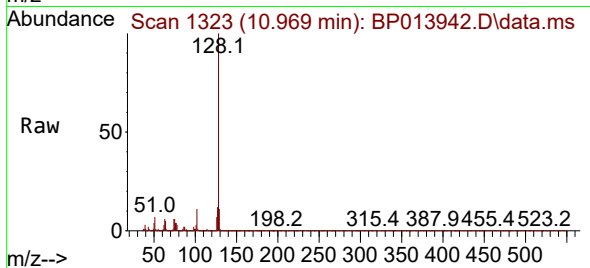
Tgt Ion:128 Resp: 266045

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

127 12.2 10.4 15.6



#32

Benzoic acid

Concen: 5.087 ng

RT: 10.216 min Scan# 1195

Delta R.T. 0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

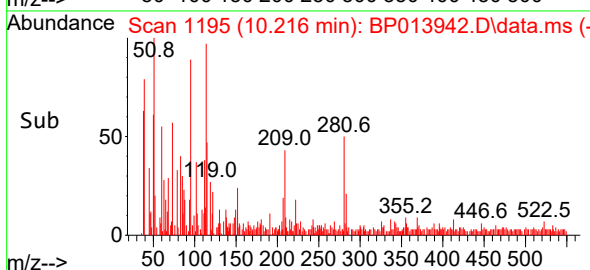
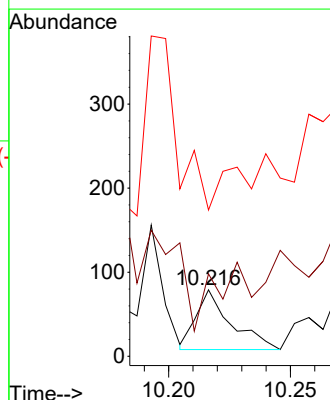
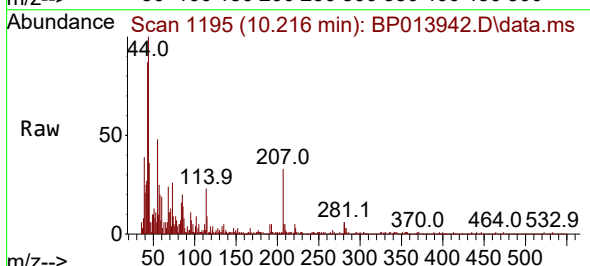
Tgt Ion:122 Resp: 71

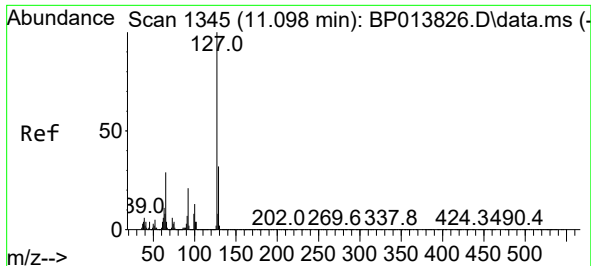
Ion Ratio Lower Upper

122 100

105 124.1 107.4 147.4

77 220.3 76.0 116.0#

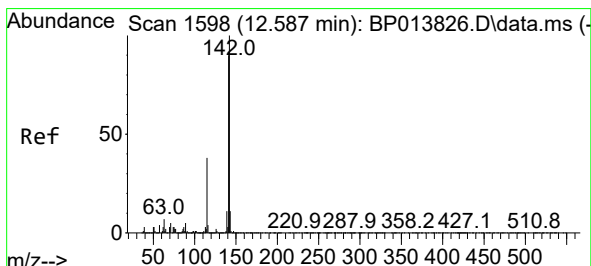
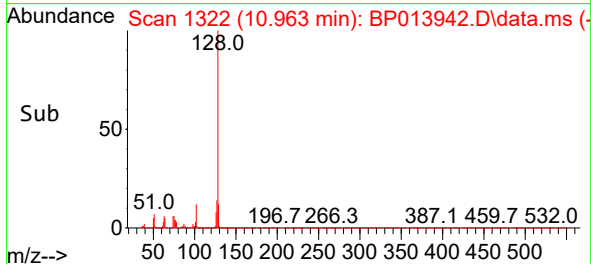
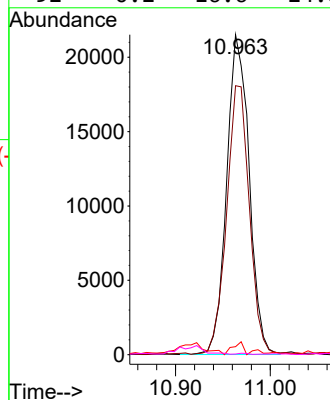
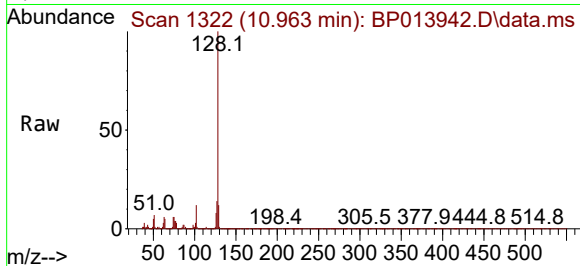




#33
4-Chloroaniline
Concen: 3.430 ng
RT: 10.963 min Scan# 11
Delta R.T. -0.117 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

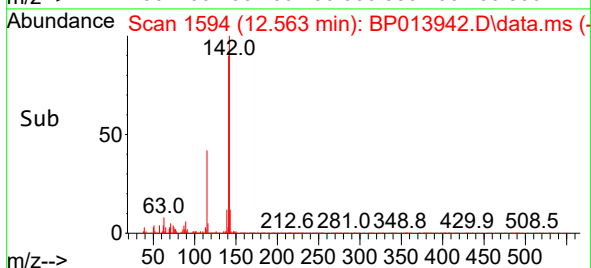
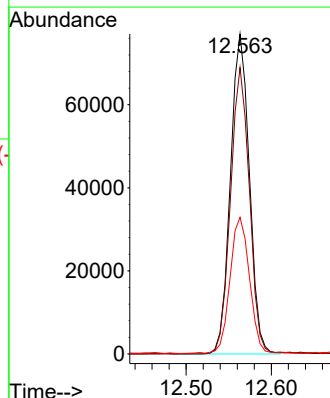
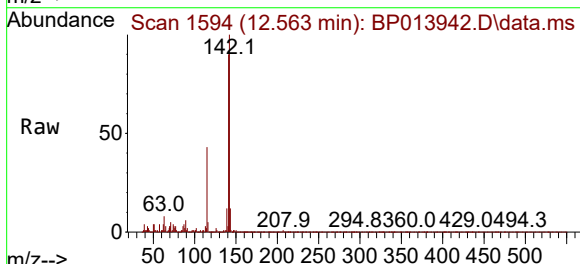
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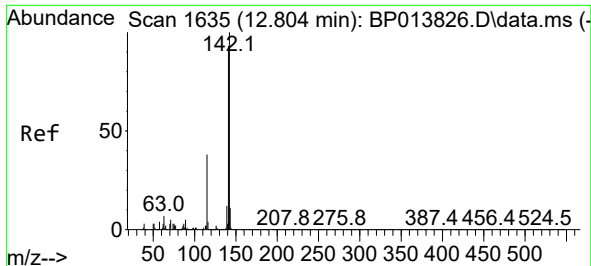
Tgt Ion:127	Resp:	35394
Ion Ratio	Lower	Upper
127	100	
129	84.1	25.7 38.5#
65	2.5	23.4 35.2#
92	0.2	16.6 24.8#



#37
2-Methylnaphthalene
Concen: 6.683 ng
RT: 12.563 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

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

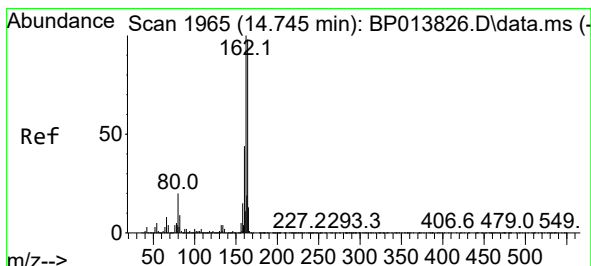
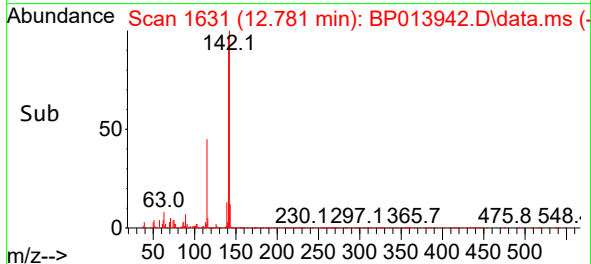
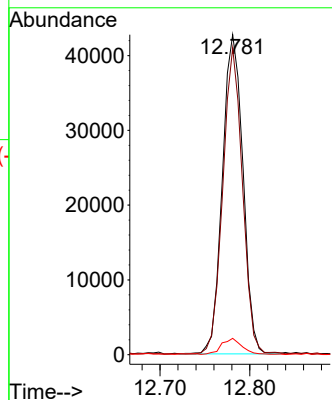
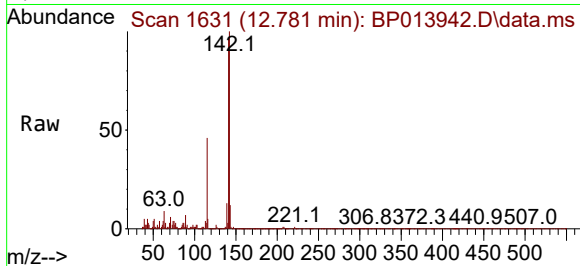




#38
1-Methylnaphthalene
Concen: 4.074 ng
RT: 12.781 min Scan# 1631
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

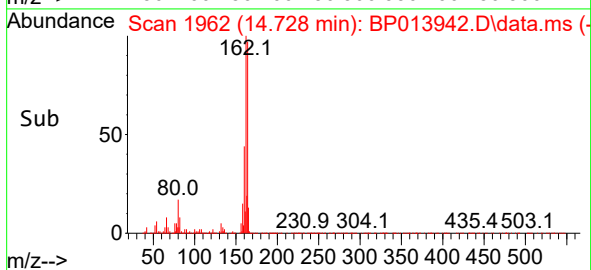
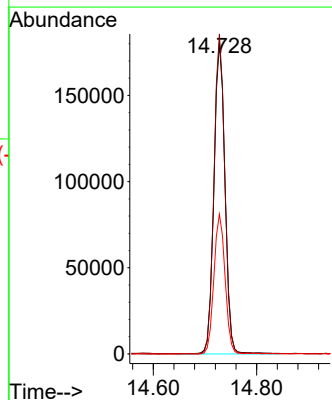
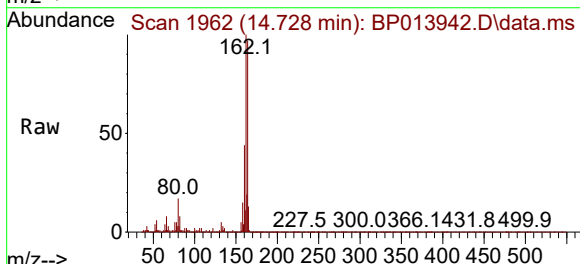
Instrument :
BNA_P
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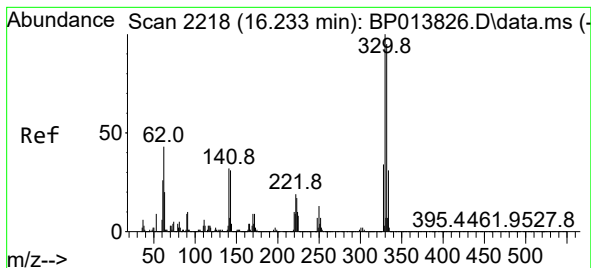
Tgt Ion:142 Resp: 67823
Ion Ratio Lower Upper
142 100
141 95.9 74.2 111.4
116 5.1 3.3 4.9#



#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

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# 21

Delta R.T. -0.012 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

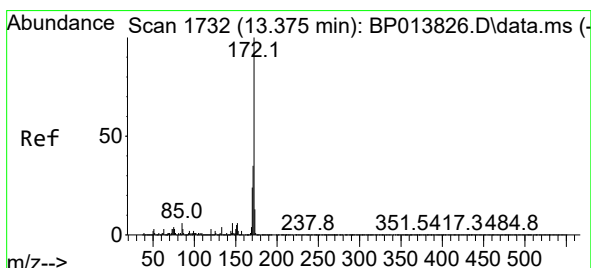
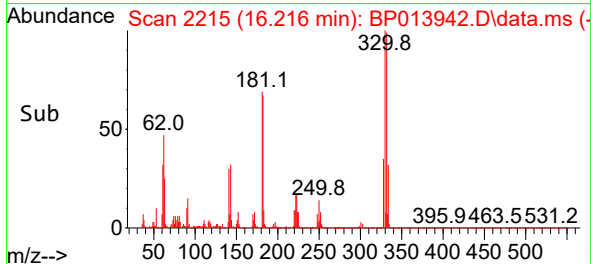
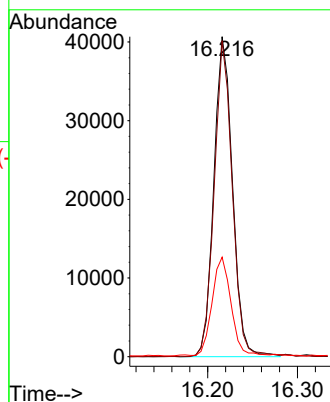
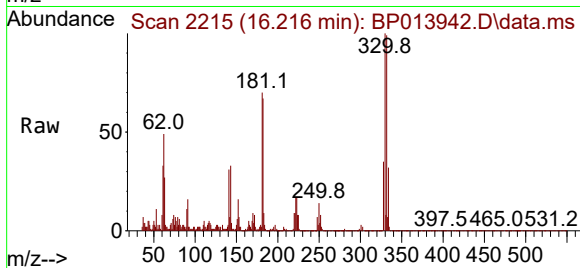
Tgt Ion:330 Resp: 58565

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

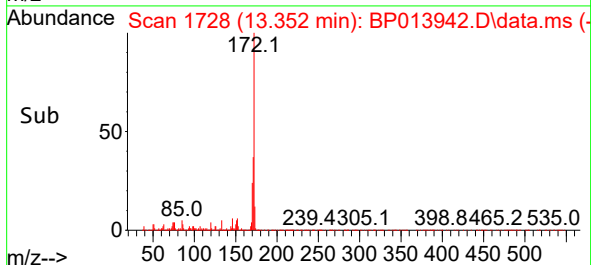
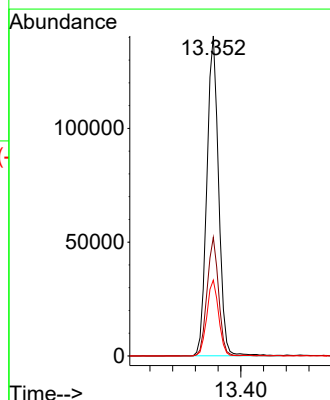
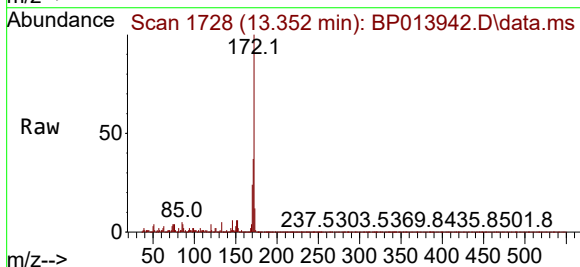
Tgt Ion:172 Resp: 201379

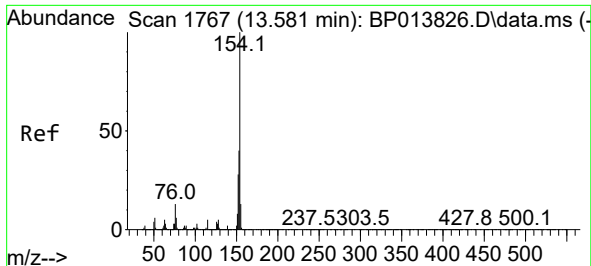
Ion Ratio Lower Upper

172 100

171 37.0 28.2 42.4

170 23.7 19.0 28.4

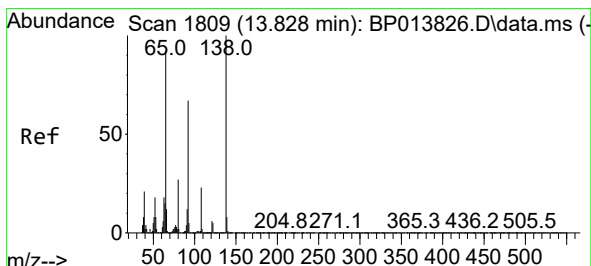
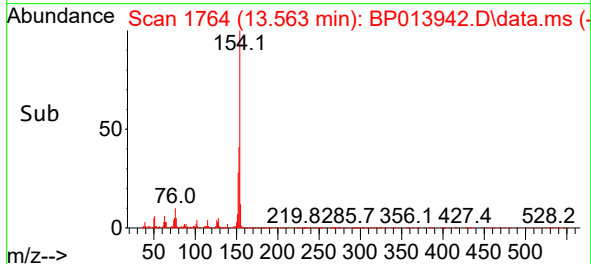
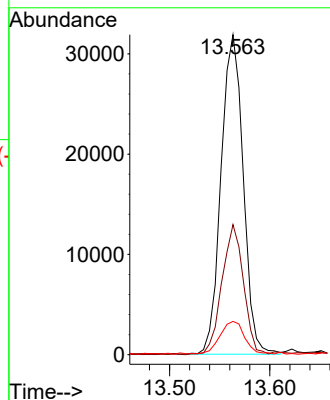
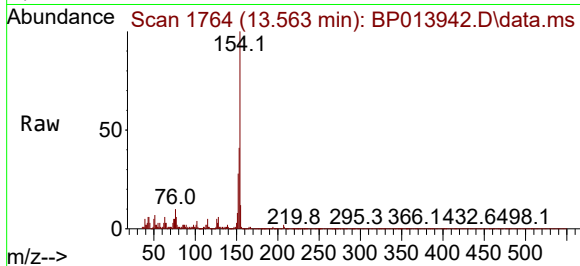




#46
1,1'-Biphenyl
Concen: 2.253 ng
RT: 13.563 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

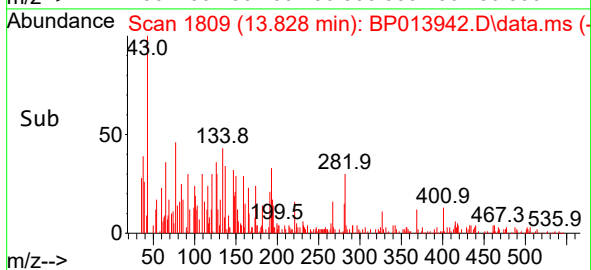
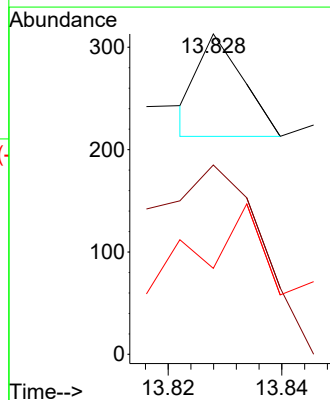
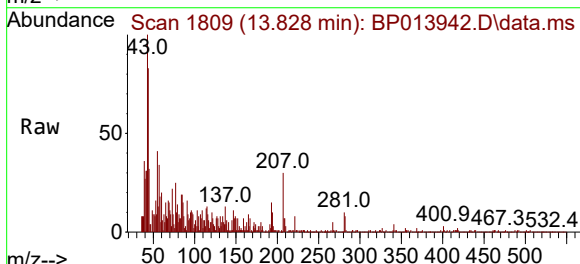
Instrument :
BNA_P
ClientSampleId :
72-11939DL

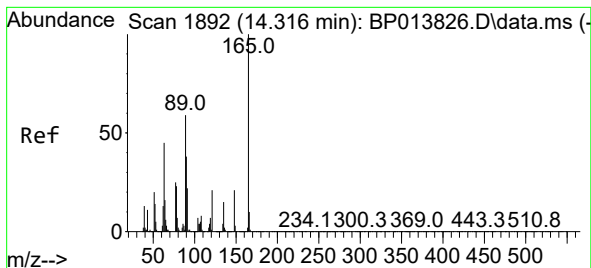
Tgt Ion:154 Resp: 48764
Ion Ratio Lower Upper
154 100
153 40.6 19.9 59.9
76 10.4 0.0 32.8



#48
2-Nitroaniline
Concen: 3.240 ng
RT: 13.828 min Scan# 1809
Delta R.T. 0.012 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion: 65 Resp: 53
Ion Ratio Lower Upper
65 100
92 59.1 58.7 88.1
138 26.8 87.3 130.9#





#51

2,6-Dinitrotoluene

Concen: 2.105 ng

RT: 14.181 min Scan# 1869

Delta R.T. -0.129 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

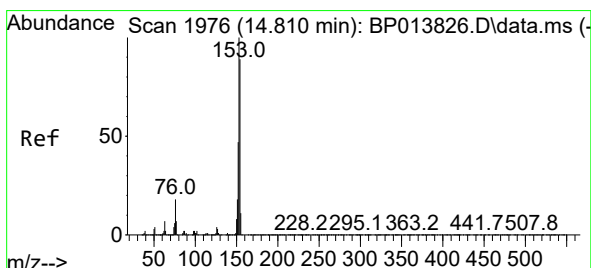
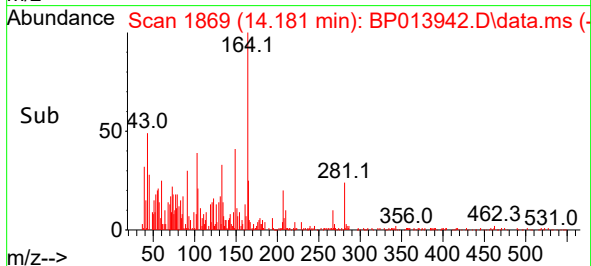
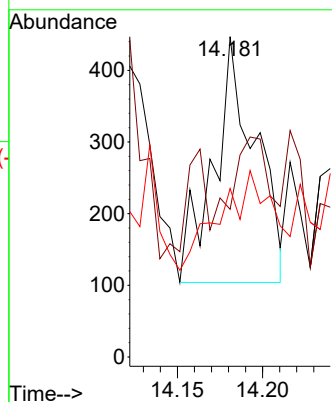
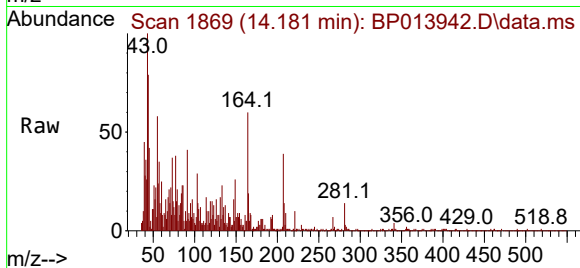
Tgt Ion:165 Resp: 585

Ion Ratio Lower Upper

165 100

63 46.1 42.6 63.8

89 52.6 47.1 70.7



#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

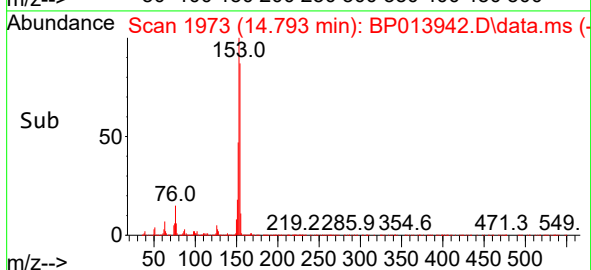
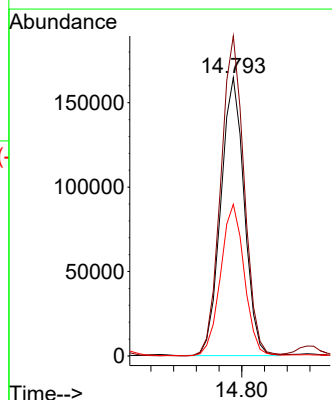
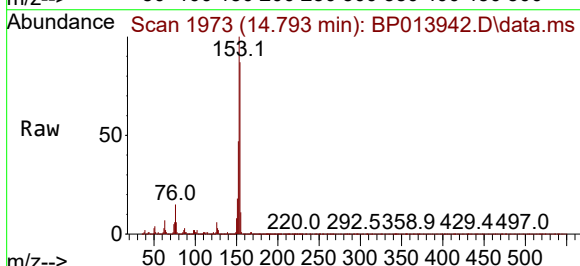
Tgt Ion:154 Resp: 235414

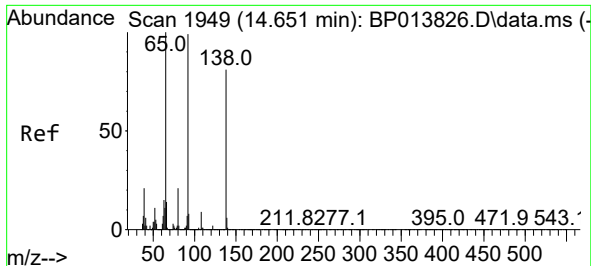
Ion Ratio Lower Upper

154 100

153 114.9 90.4 135.6

152 54.5 42.6 64.0

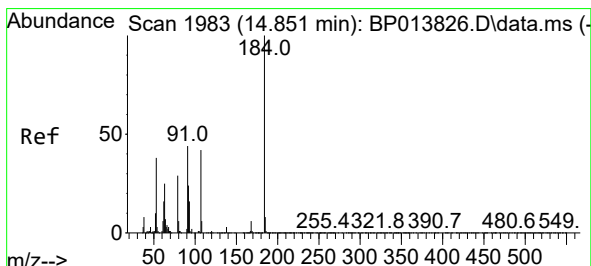
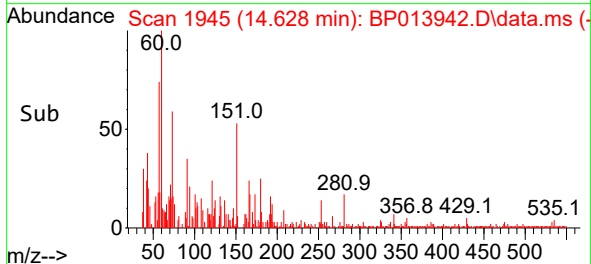
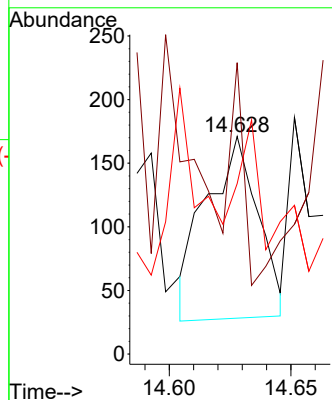
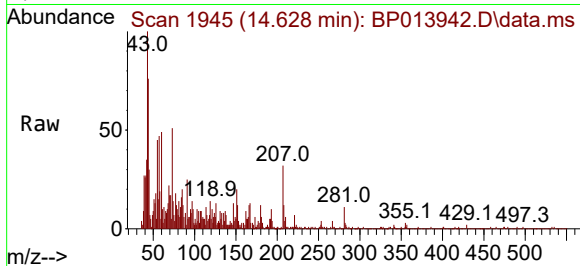




#53
3-Nitroaniline
Concen: 2.049 ng
RT: 14.628 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

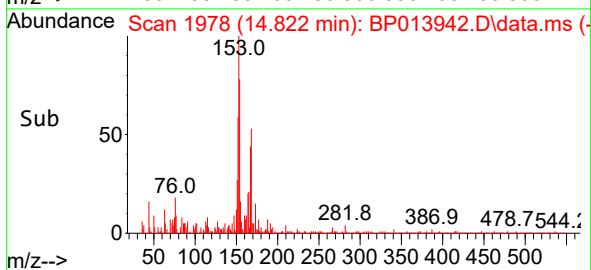
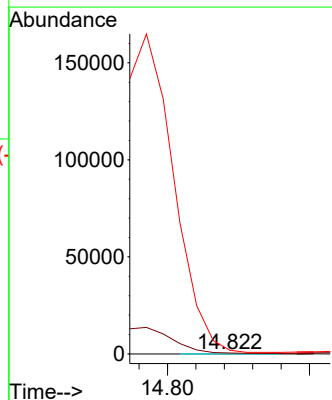
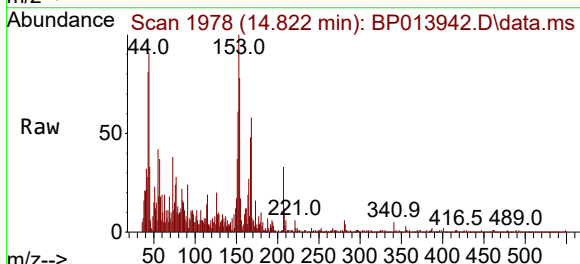
Instrument :
BNA_P
ClientSampleId :
72-11939DL

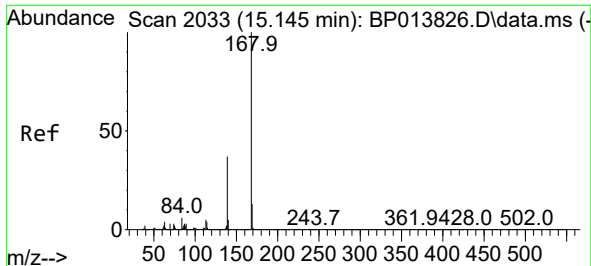
Tgt Ion:138 Resp: 214
Ion Ratio Lower Upper
138 100
108 133.9 9.0 13.4#
92 78.4 97.1 145.7#



#54
2,4-Dinitrophenol
Concen: 5.272 ng
RT: 14.822 min Scan# 1978
Delta R.T. -0.018 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:184 Resp: 32
Ion Ratio Lower Upper
184 100
63 1345.7 47.0 70.4#
154 5494.3 51.5 77.3#

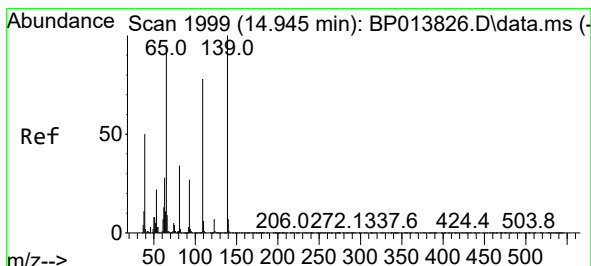
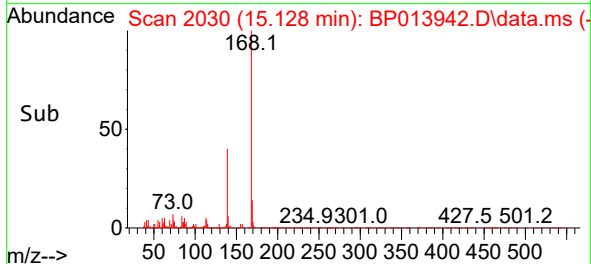
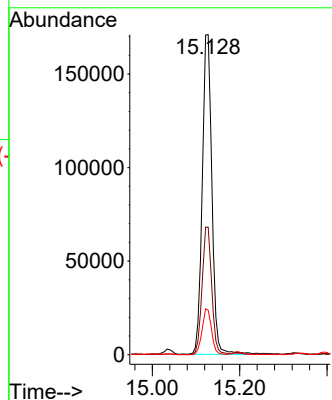
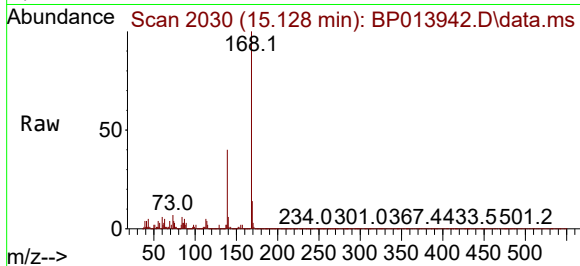




#55
Dibenzofuran
Concen: 10.054 ng
RT: 15.128 min Scan# 20
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

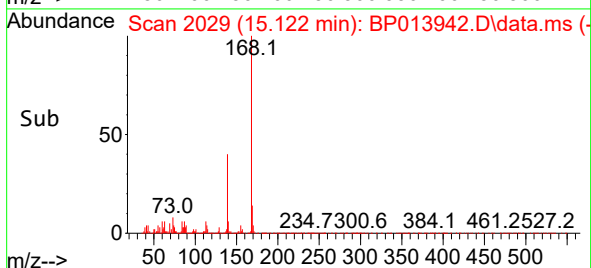
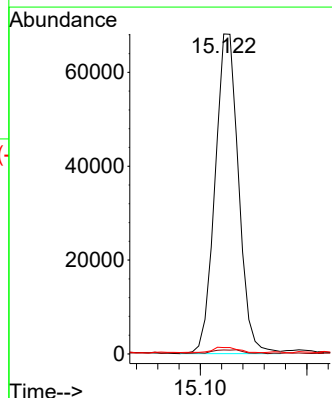
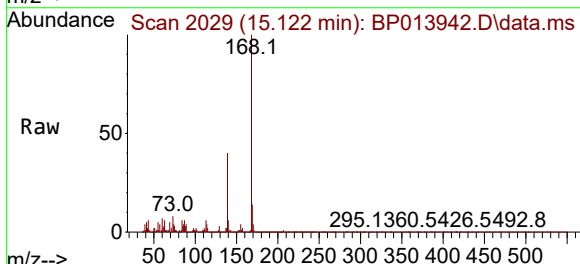
Instrument :
BNA_P
ClientSampleId :
72-11939DL

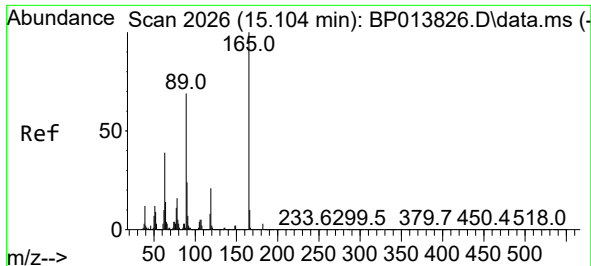
Tgt Ion:168 Resp: 264607
Ion Ratio Lower Upper
168 100
139 39.8 29.8 44.8
169 13.9 10.8 16.2



#56
4-Nitrophenol
Concen: 26.815 ng
RT: 15.122 min Scan# 2029
Delta R.T. 0.182 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:139 Resp: 104448
Ion Ratio Lower Upper
139 100
109 1.3 58.2 98.2#
65 2.0 74.9 114.9#





#57

2,4-Dinitrotoluene

Concen: 2.331 ng

RT: 15.069 min Scan# 20

Delta R.T. -0.023 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

Tgt Ion:165 Resp: 336

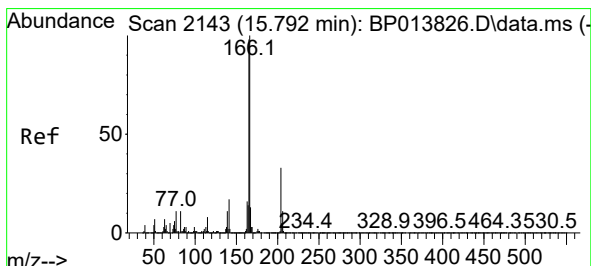
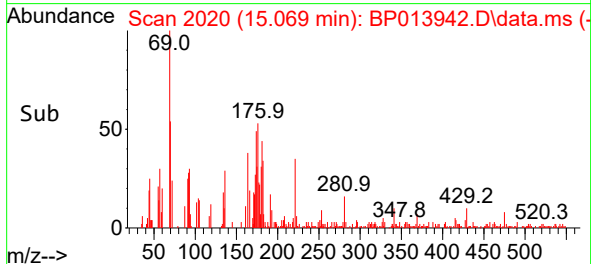
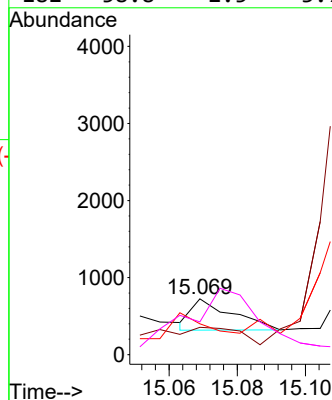
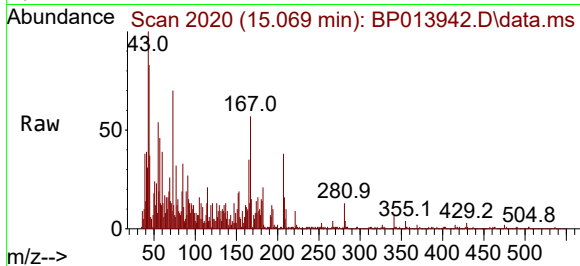
Ion Ratio Lower Upper

165 100

63 49.0 31.1 46.7#

89 55.2 54.9 82.3

182 58.8 2.5 3.7#



#58

Fluorene

Concen: 13.998 ng

RT: 15.775 min Scan# 2140

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

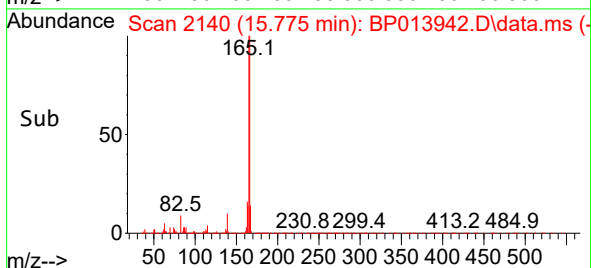
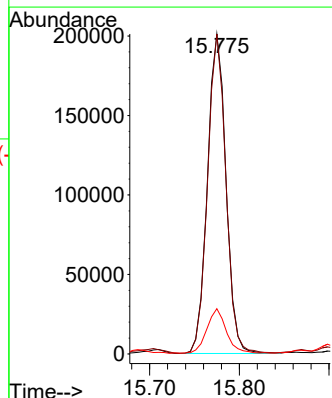
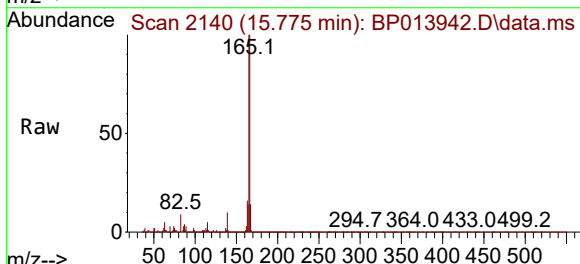
Tgt Ion:166 Resp: 288876

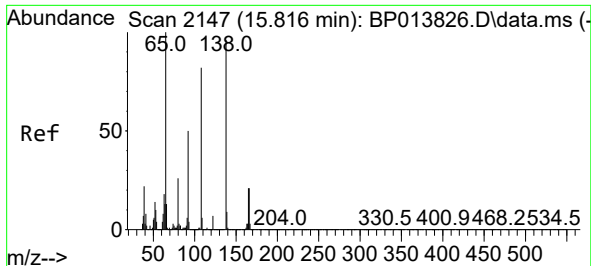
Ion Ratio Lower Upper

166 100

165 100.0 78.1 117.1

167 14.1 10.7 16.1

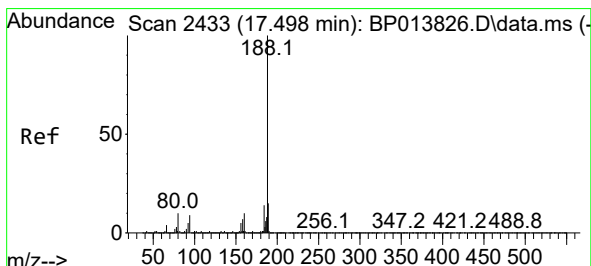
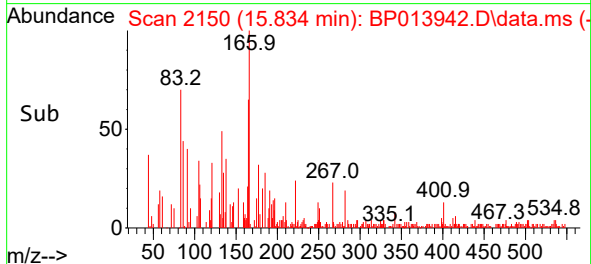
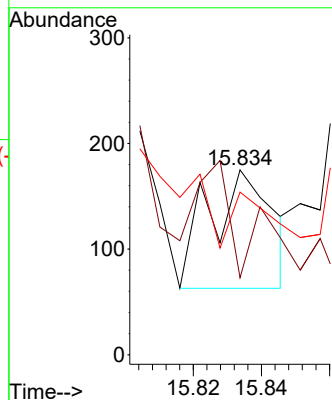
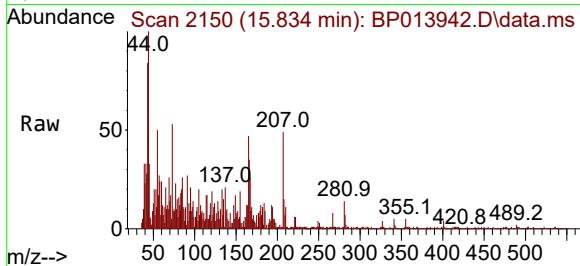




#62
4-Nitroaniline
Concen: 2.574 ng
RT: 15.834 min Scan# 2147
Delta R.T. 0.030 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

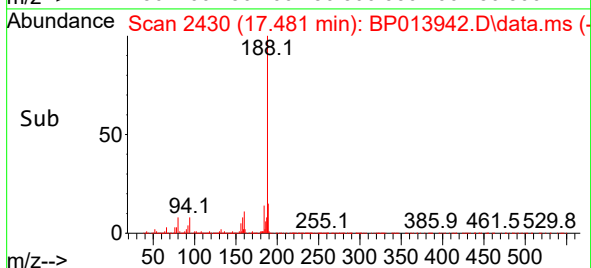
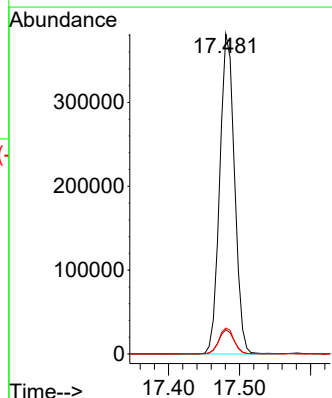
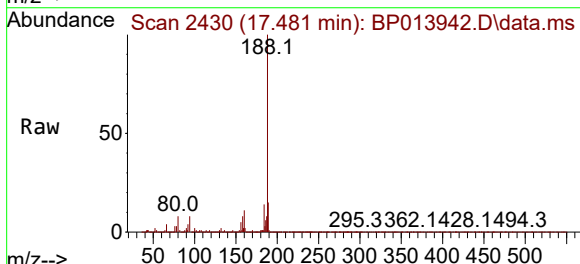
Instrument :
BNA_P
ClientSampleId :
72-11939DL

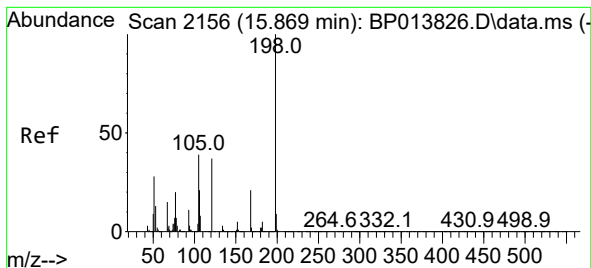
Tgt Ion:138 Resp: 144
Ion Ratio Lower Upper
138 100
92 41.7 32.0 72.0
108 88.0 65.6 105.6



#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

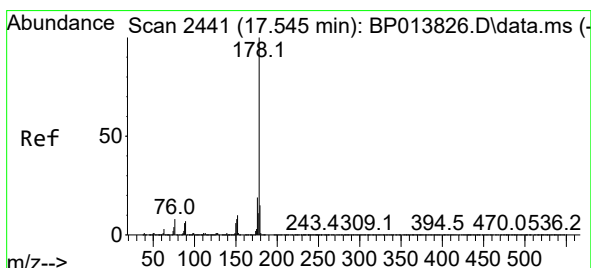
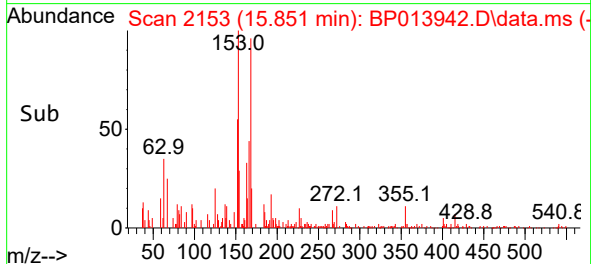
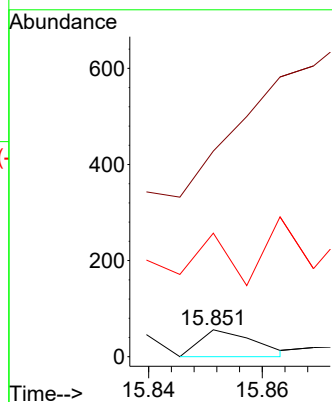
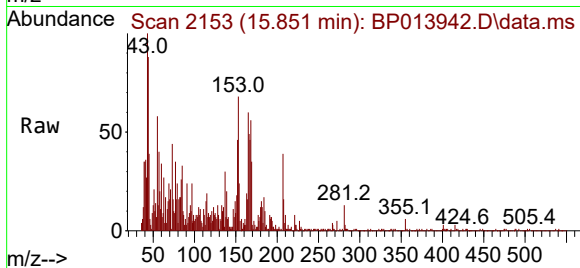




#65
4,6-Dinitro-2-methylphenol
Concen: 4.633 ng
RT: 15.851 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

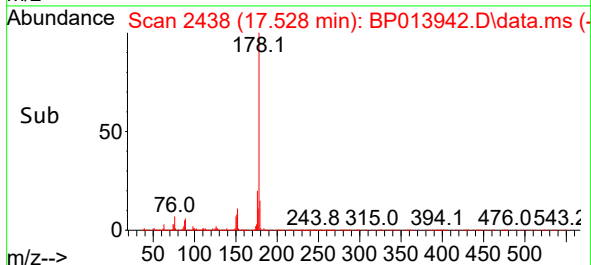
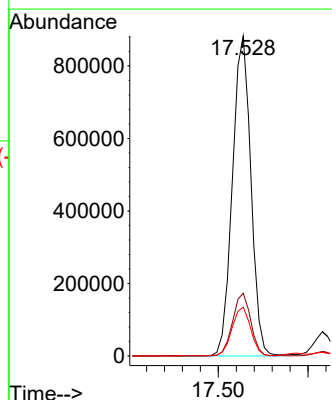
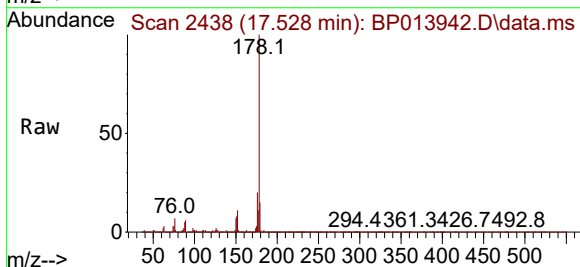
Instrument :
BNA_P
ClientSampleId :
72-11939DL

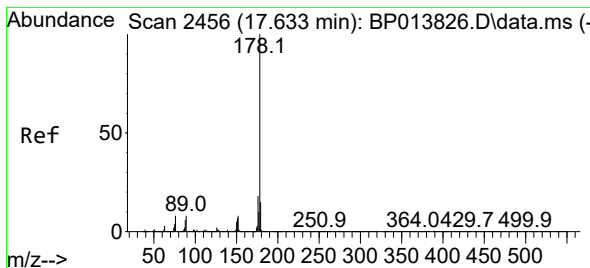
Tgt Ion:198 Resp: 38
Ion Ratio Lower Upper
198 100
51 764.3 14.3 54.3#
105 458.9 20.5 60.5#



#71
Phenanthrene
Concen: 40.796 ng
RT: 17.528 min Scan# 2438
Delta R.T. -0.006 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

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# 2456

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

Instrument :

BNA_P

ClientSampleId :

72-11939DL

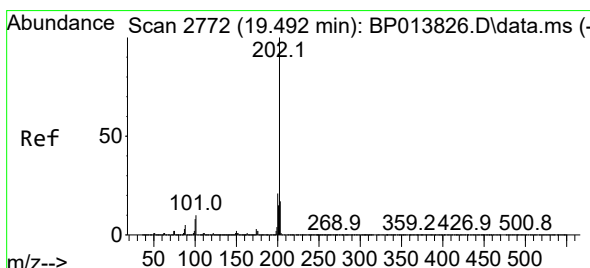
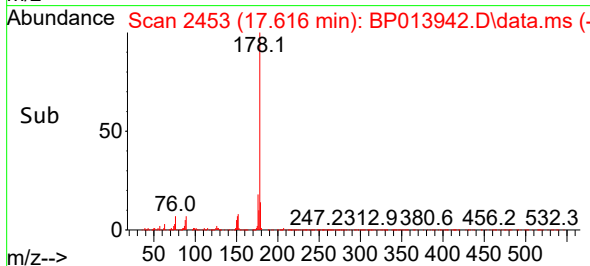
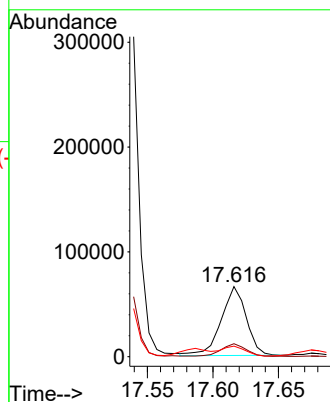
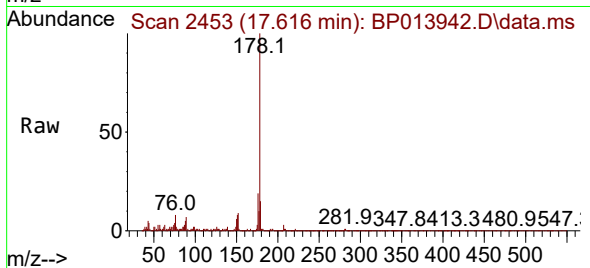
Tgt Ion:178 Resp: 87631

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# 2769

Delta R.T. -0.006 min

Lab File: BP013942.D

Acq: 03 Mar 2023 13:42

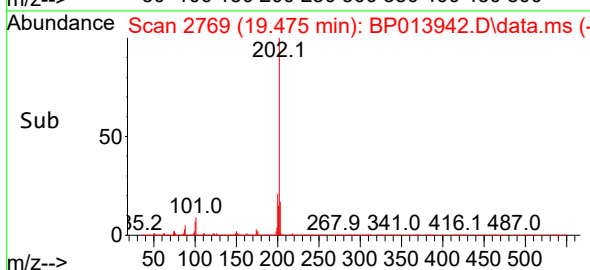
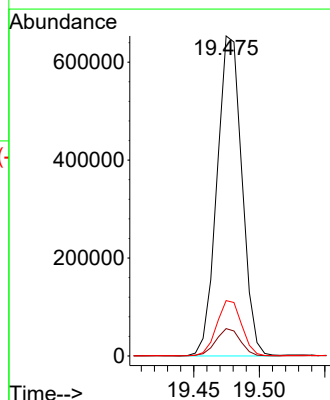
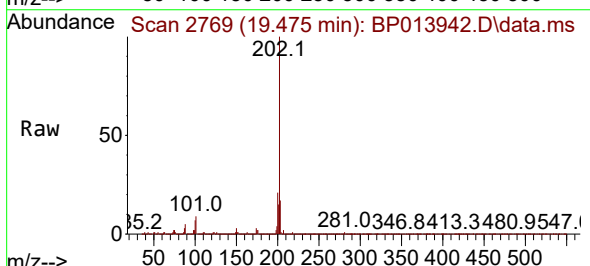
Tgt Ion:202 Resp: 864515

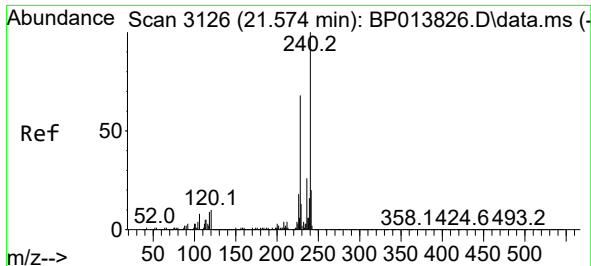
Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.0

203 17.3 0.0 37.5

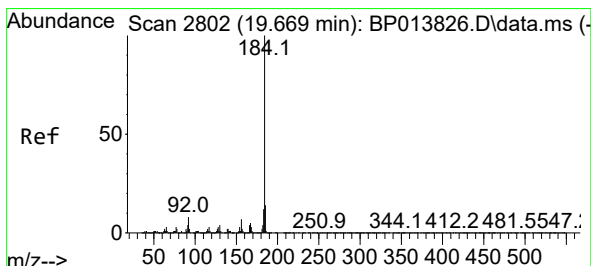
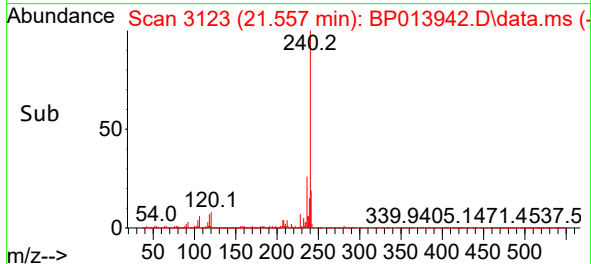
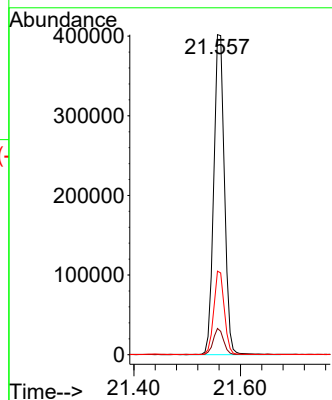
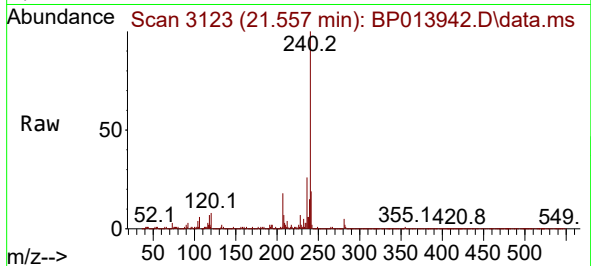




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.557 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

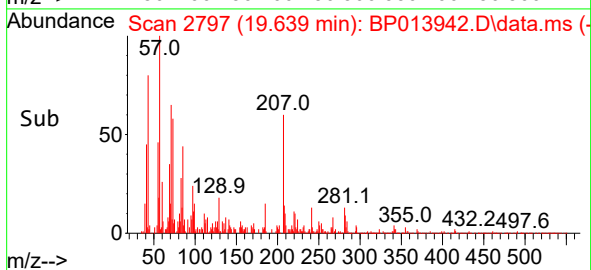
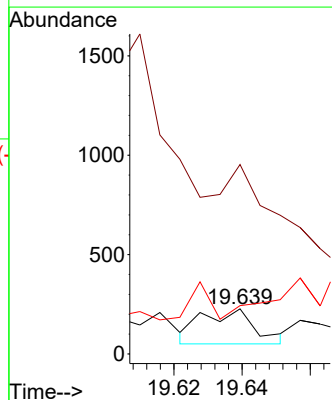
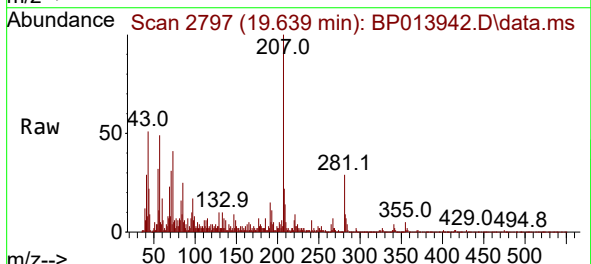
Instrument :
BNA_P
ClientSampleId :
72-11939DL

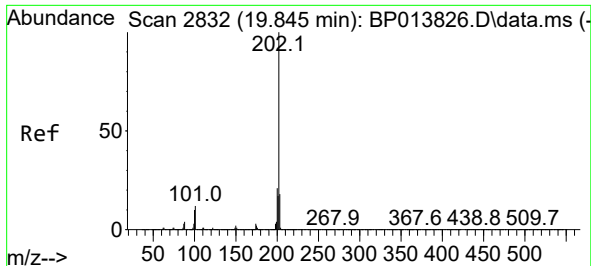
Tgt Ion:240 Resp: 558226
Ion Ratio Lower Upper
240 100
120 8.2 7.9 11.9
236 26.1 20.9 31.3



#77
Benzidine
Concen: 2.299 ng
RT: 19.639 min Scan# 2797
Delta R.T. -0.018 min
Lab File: BP013942.D
Acq: 03 Mar 2023 13:42

Tgt Ion:184 Resp: 189
Ion Ratio Lower Upper
184 100
185 419.8 11.4 17.0#
183 107.0 9.6 14.4#

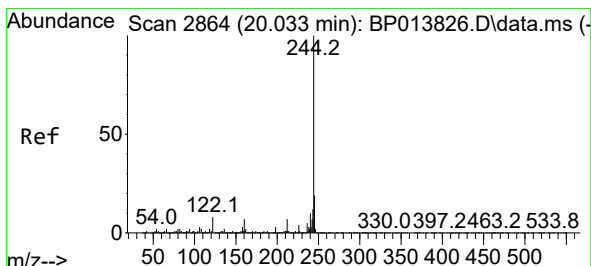
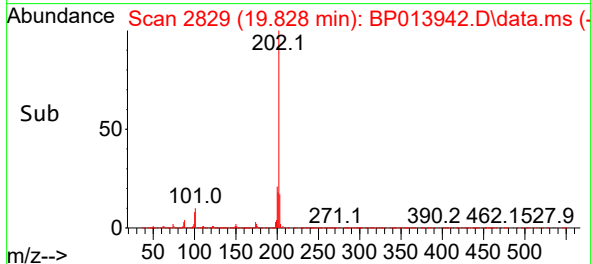
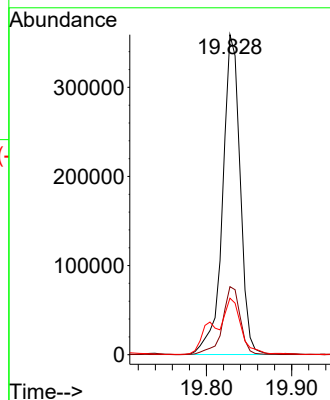
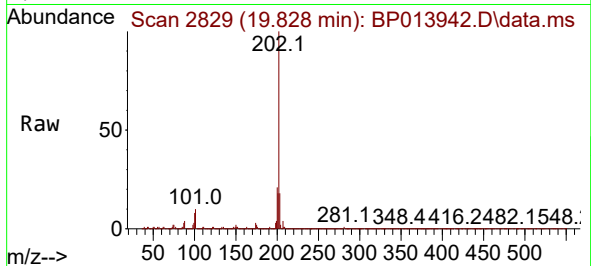




#78
 Pyrene
 Concen: 13.459 ng
 RT: 19.828 min Scan# 2829
 Delta R.T. -0.006 min
 Lab File: BP013942.D
 Acq: 03 Mar 2023 13:42

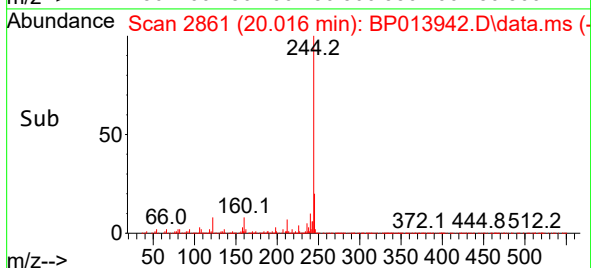
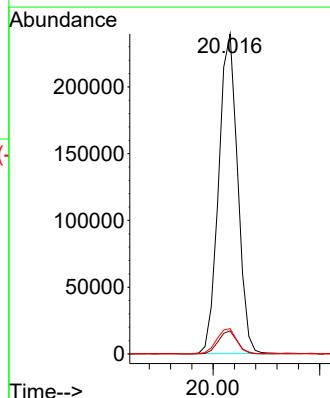
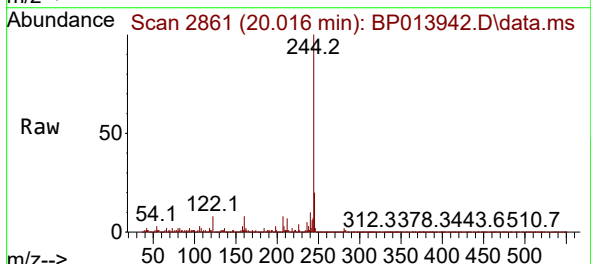
Instrument :
 BNA_P
 ClientSampleId :
 72-11939DL

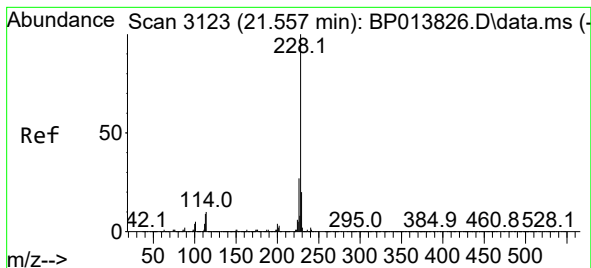
Tgt Ion:202 Resp: 513411
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.9 25.3
 203 17.7 14.2 21.2



#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

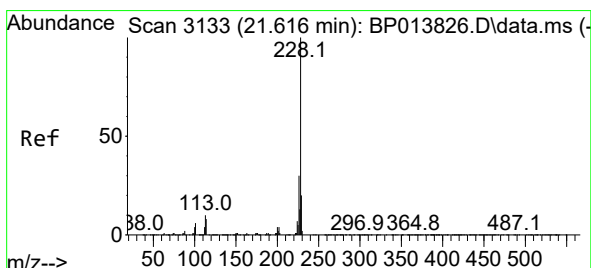
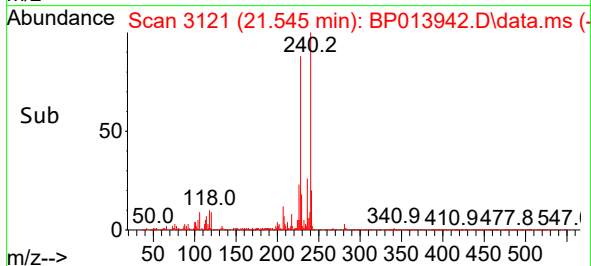
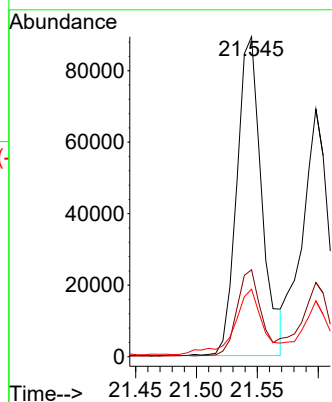
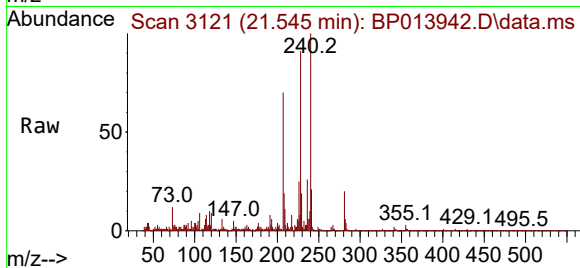
Tgt Ion:228 Resp: 126888

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

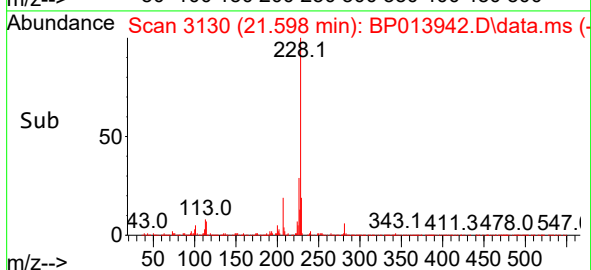
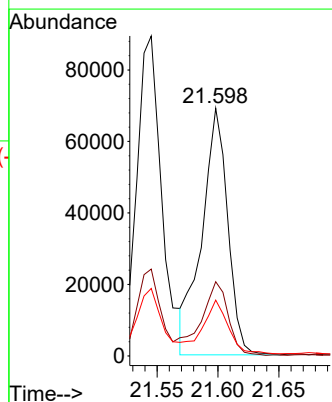
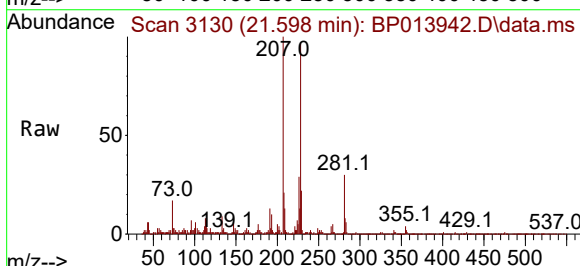
Tgt Ion:228 Resp: 102193

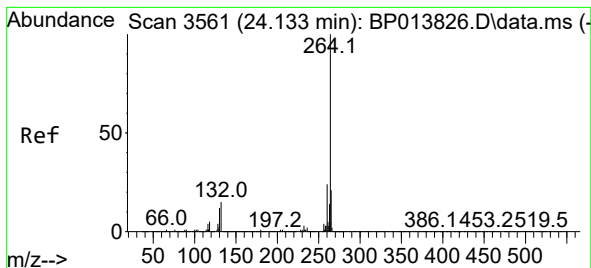
Ion Ratio Lower Upper

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# 3

Delta R.T. -0.006 min

Lab File: BP013942.D

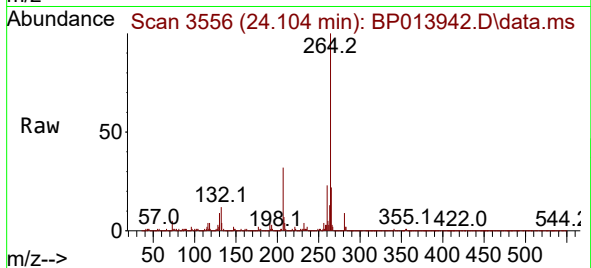
Acq: 03 Mar 2023 13:42

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

