

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018900.D
 Acq On : 18 Dec 2023 11:14
 Operator : MA/JU
 Sample : 05626-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF0

Quant Time: Dec 18 21:38:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	299207	20.000	ng/ul	0.00
20) Naphthalene-d8	10.622	136	1094952	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.457	164	666820	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.210	188	1529637	20.000	ng/ul	0.00
79) Chrysene-d12	21.310	240	1486816	20.000	ng/ul	0.00
88) Perylene-d12	23.680	264	1872882	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	28515	3.248	ng/uL	0.00
4) Pyridine-d5	3.675	84	330919	14.071	ng/ul	0.00
7) Phenol-d5	6.999	99	493528	16.436	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	291290	16.368	ng/ul	0.00
11) 2-Chlorophenol-d4	7.357	132	380870	16.256	ng/ul	0.00
15) 4-Methylphenol-d8	8.540	113	373422	15.367	ng/ul	0.00
21) Nitrobenzene-d5	8.987	128	165519	16.984	ng/ul	0.00
24) 2-Nitrophenol-d4	9.710	143	163832	16.215	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.246	165	367942	17.809	ng/ul	0.00
31) 4-Chloroaniline-d4	10.763	131	346802	12.844	ng/ul	0.00
46) Dimethylphthalate-d6	13.875	166	1118447	18.793	ng/ul	0.00
49) Acenaphthylene-d8	14.151	160	1244361	18.988	ng/ul	0.00
54) 4-Nitrophenol-d4	14.669	143	149237	15.276	ng/ul	0.00
60) Fluorene-d10	15.451	176	1025687	20.532	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.581	200	129190	14.086	ng/ul	0.00
73) Anthracene-d10	17.310	188	1680155	20.893	ng/ul	0.00
81) Pyrene-d10	19.557	212	2035784	17.590	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.533	264	2238991	20.503	ng/ul	0.02
Target Compounds						
					Qvalue	
16) Acetophenone	8.652	105	83256	2.299	ng/ul	96
30) Naphthalene	10.669	128	101342	1.526	ng/ul	99
36) 2-Methylnaphthalene	12.281	142	96402	2.049	ng/ul	97
37) 1-Methylnaphthalene	12.498	142	82963	1.746	ng/ul	99
43) 1,1'-Biphenyl	13.292	154	87398	1.515	ng/ul	96
50) Acenaphthylene	14.181	152	923871	12.539	ng/ul	99
52) Acenaphthene	14.528	153	3013936	61.867	ng/ul	99
56) Dibenzofuran	14.857	168	1626538	24.023	ng/ul	98
61) Fluorene	15.510	166	2079723	38.818	ng/ul	100
63) 4-Nitroaniline	15.510	138	22912	2.177	ng/ul#	23
71) Pentachlorophenol	16.863	266	17452	1.361	ng/ul	100
72) Phenanthrene	17.257	178	7669552	83.019	ng/ul	99
74) Anthracene	17.351	178	6977038	75.344	ng/ul	100
77) Carbazole	17.622	167	1111112	15.055	ng/ul	99
80) Fluoranthene	19.375	202	200301	1.464	ng/ul	98
85) Benzo(a)anthracene	21.298	228	7623961	63.173	ng/ul	95
87) Chrysene	21.351	228	10847473	97.606	ng/ul	95
90) Benzo(b)fluoranthene	22.974	252	16584997	120.104	ng/ul	96
91) Benzo(k)fluoranthene	22.974	252	16584997	124.130	ng/ul	96
93) Benzo(a)pyrene	23.586	252	6689875	53.020	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.151	276	5251785	34.837	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.151	278	1343363	10.712	ng/ul#	81
96) Benzo(g,h,i)perylene	26.909	276	4202706	34.641	ng/ul	95

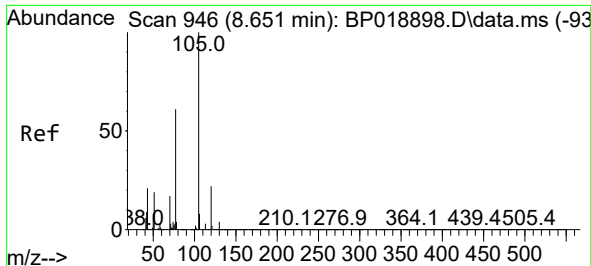
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
Data File : BP018900.D
Acq On : 18 Dec 2023 11:14
Operator : MA/JU
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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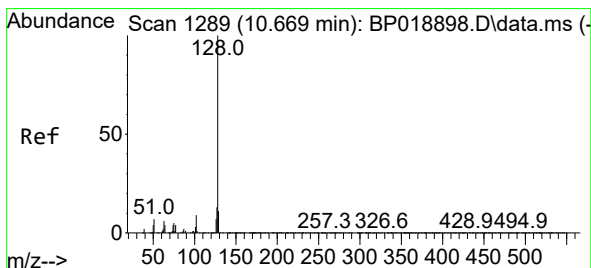
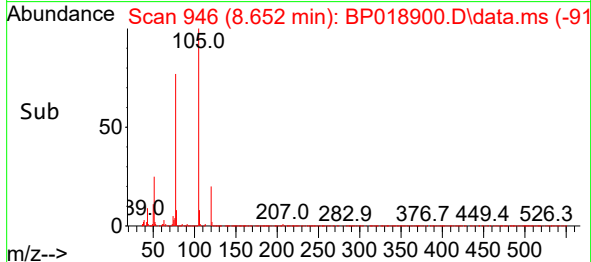
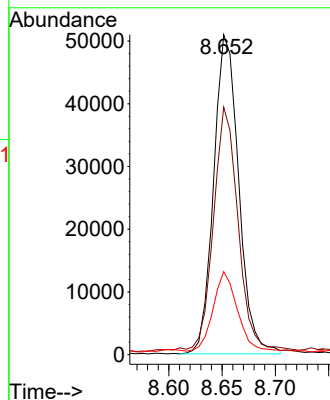
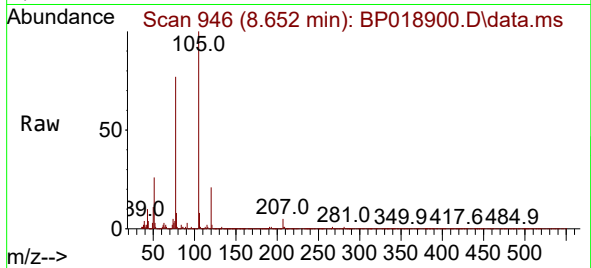
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#16
Acetophenone
Concen: 2.299 ng/ul
RT: 8.652 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

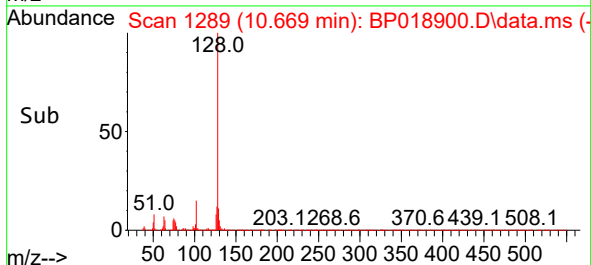
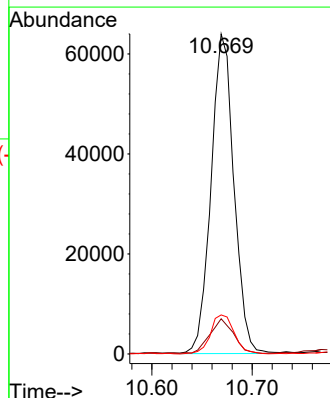
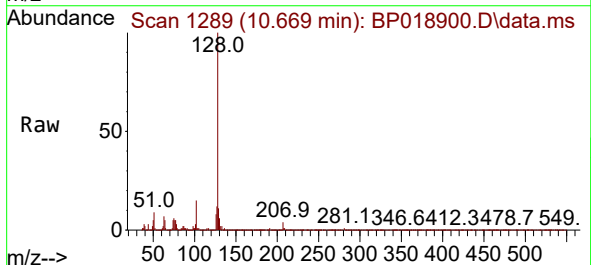
Instrument :
BNA_P
ClientSampleId :
DCLF0

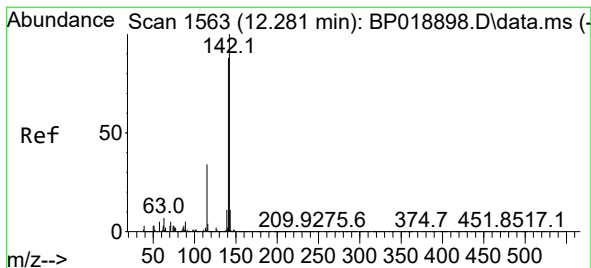
Tgt Ion:105 Resp: 83256
Ion Ratio Lower Upper
105 100
77 77.4 59.4 89.0
51 26.0 19.4 29.0



#30
Naphthalene
Concen: 1.526 ng/ul
RT: 10.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Tgt Ion:128 Resp: 101342
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 12.2 10.5 15.7





#36

2-Methylnaphthalene

Concen: 2.049 ng/ul

RT: 12.281 min Scan# 1563

Delta R.T. -0.006 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

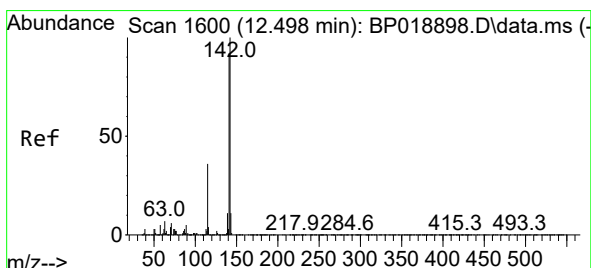
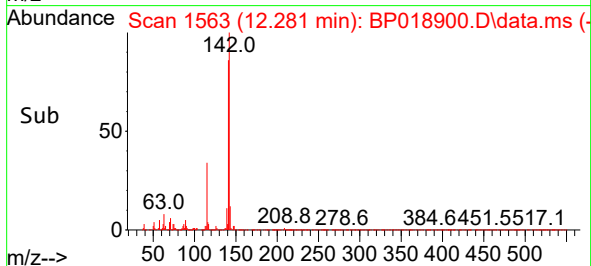
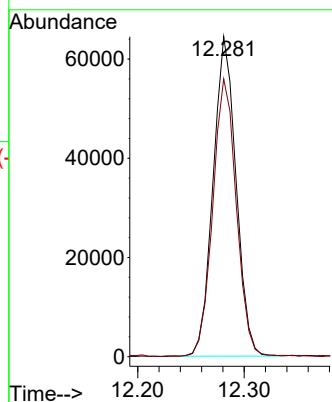
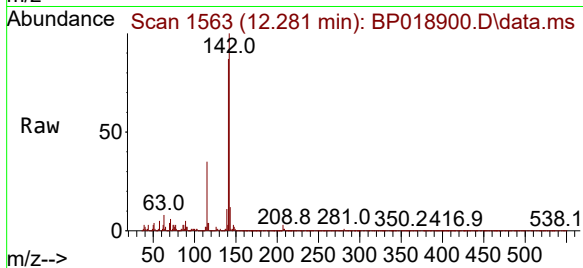
DCLF0

Tgt Ion:142 Resp: 96402

Ion Ratio Lower Upper

142 100

141 86.8 71.4 107.0



#37

1-Methylnaphthalene

Concen: 1.746 ng/ul

RT: 12.498 min Scan# 1600

Delta R.T. -0.012 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

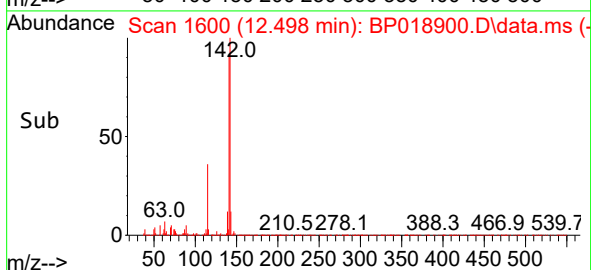
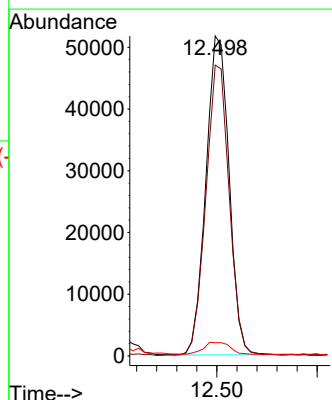
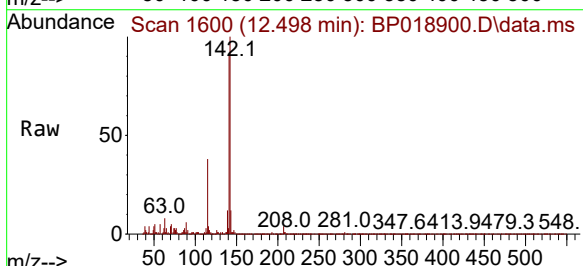
Tgt Ion:142 Resp: 82963

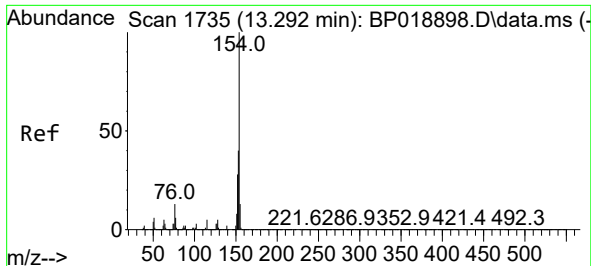
Ion Ratio Lower Upper

142 100

141 90.9 73.5 110.3

116 4.2 2.8 4.2

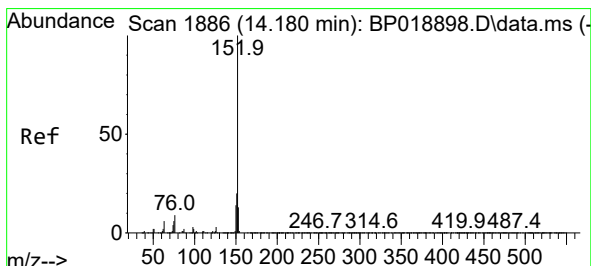
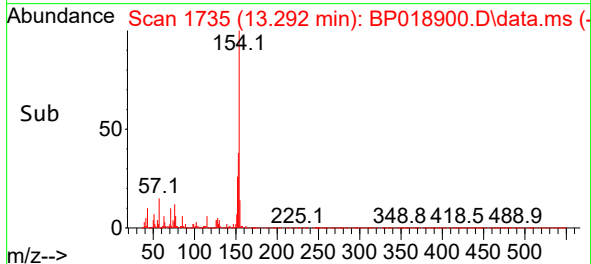
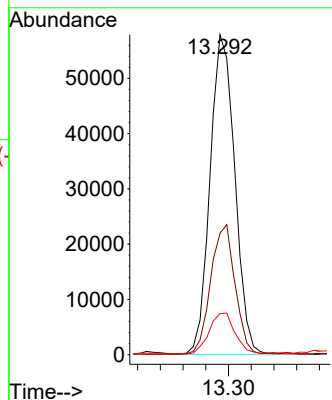
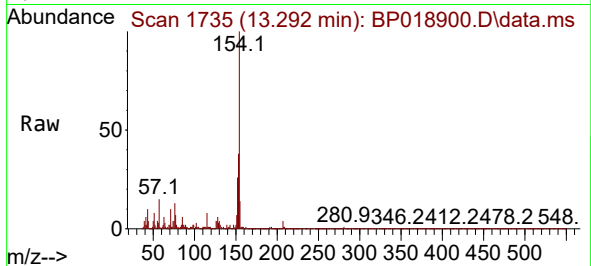




#43
1,1'-Biphenyl
Concen: 1.515 ng/ul
RT: 13.292 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

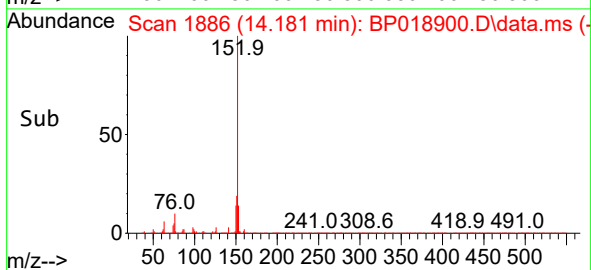
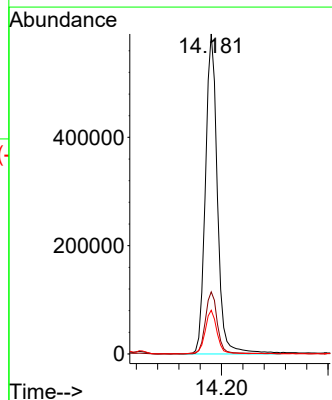
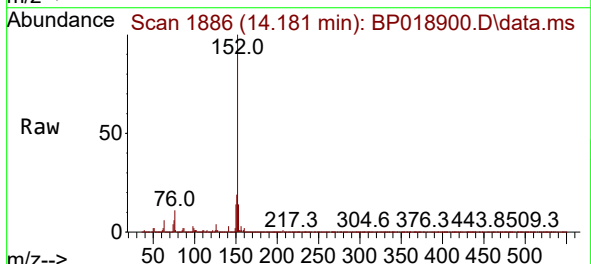
Instrument :
BNA_P
ClientSampleId :
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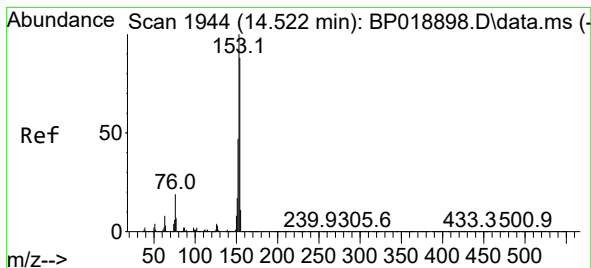
Tgt Ion:154 Resp: 87398
Ion Ratio Lower Upper
154 100
153 38.0 32.8 49.2
76 12.8 10.7 16.1



#50
Acenaphthylene
Concen: 12.539 ng/ul
RT: 14.181 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Tgt Ion:152 Resp: 923871
Ion Ratio Lower Upper
152 100
151 19.4 15.9 23.9
153 13.6 10.6 16.0





#52

Acenaphthene

Concen: 61.867 ng/ul

RT: 14.528 min Scan# 1944

Delta R.T. 0.000 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

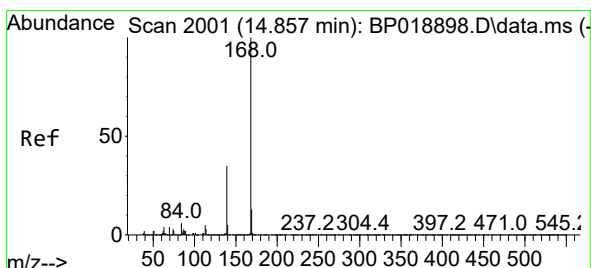
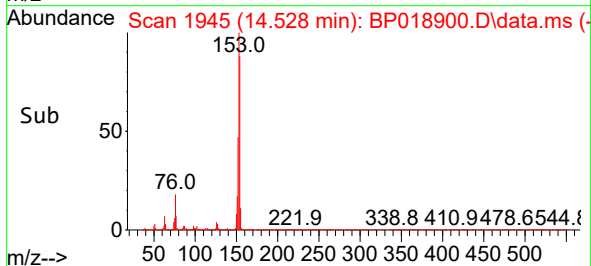
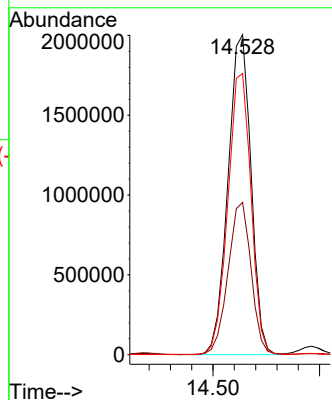
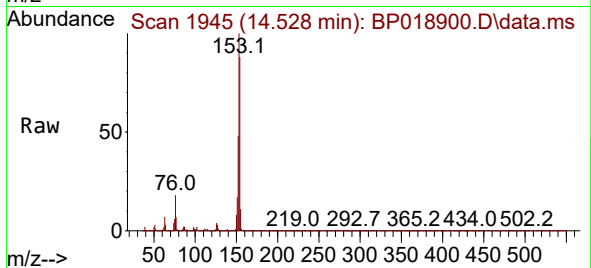
Tgt Ion:153 Resp: 3013936

Ion Ratio Lower Upper

153 100

152 47.6 38.1 57.1

154 87.9 71.7 107.5



#56

Dibenzofuran

Concen: 24.023 ng/ul

RT: 14.857 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BP018900.D

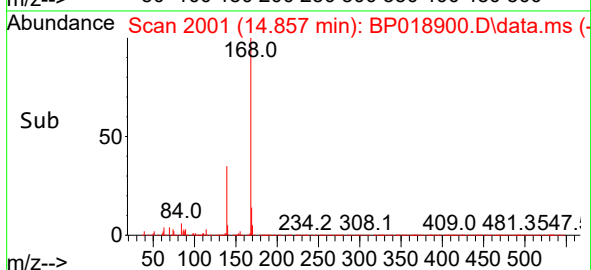
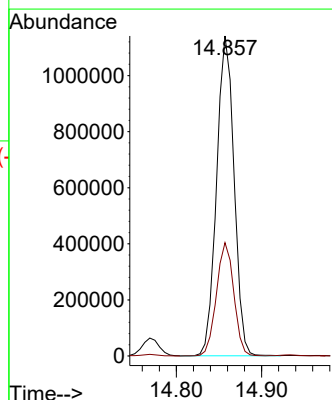
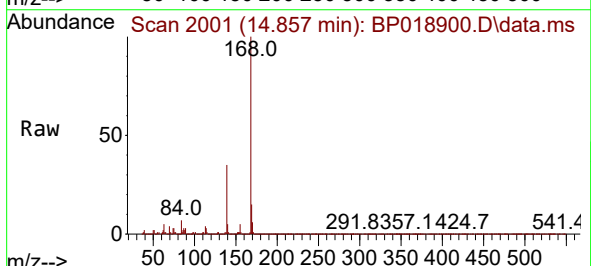
Acq: 18 Dec 2023 11:14

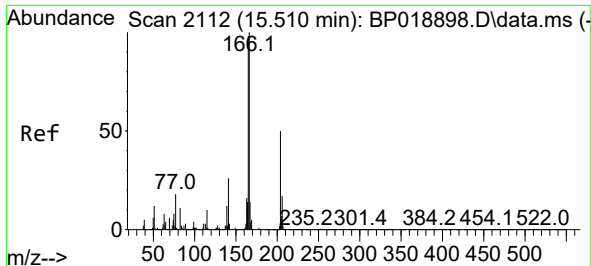
Tgt Ion:168 Resp: 1626538

Ion Ratio Lower Upper

168 100

139 35.4 29.1 43.7

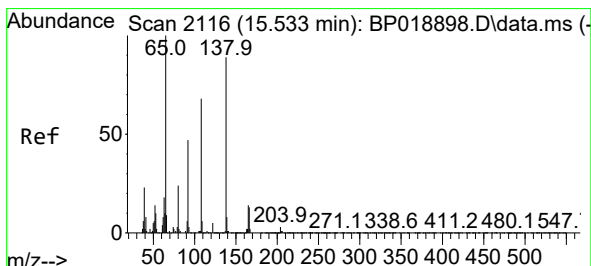
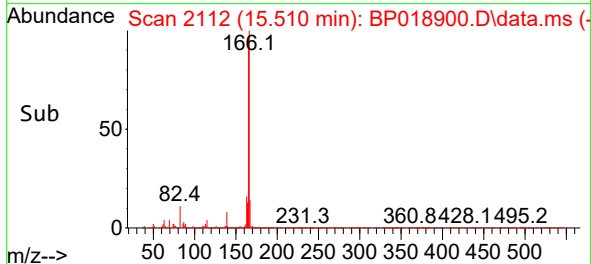
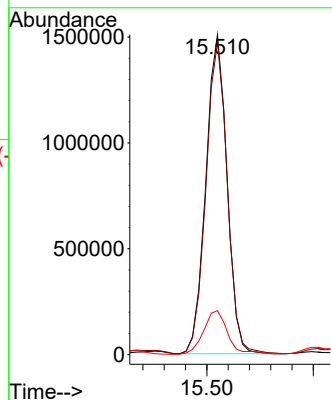
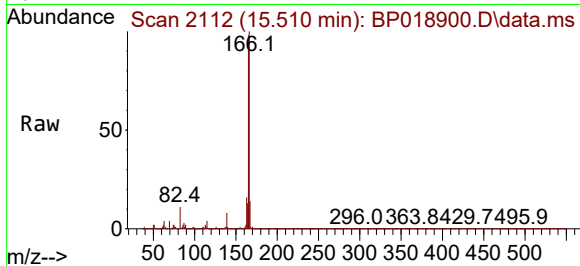




#61
Fluorene
Concen: 38.818 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

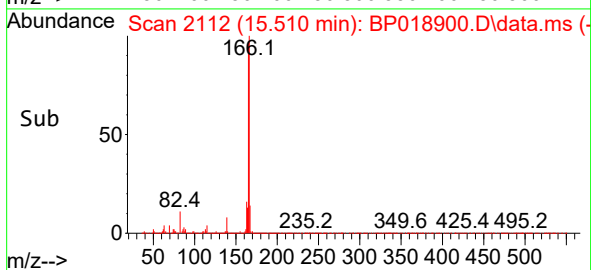
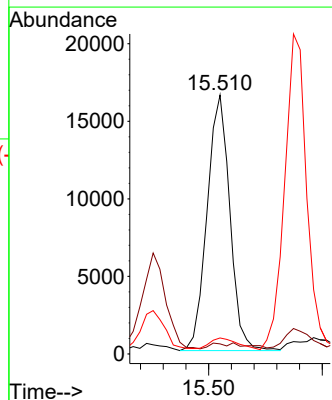
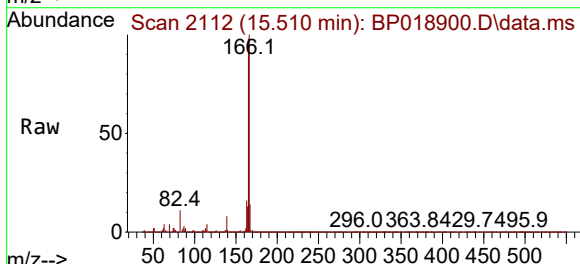
Instrument :
BNA_P
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DCLF0

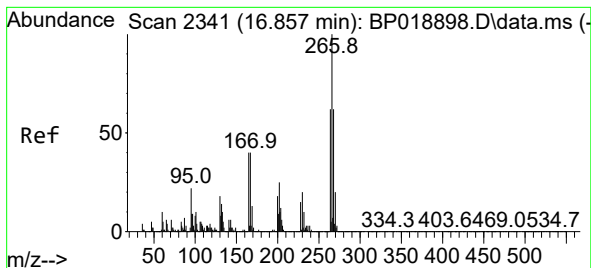
Tgt Ion:166 Resp: 2079723
Ion Ratio Lower Upper
166 100
165 97.5 78.0 117.0
167 13.7 10.8 16.2



#63
4-Nitroaniline
Concen: 2.177 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.029 min
Lab File: BP018900.D
Acq: 18 Dec 2023 11:14

Tgt Ion:138 Resp: 22912
Ion Ratio Lower Upper
138 100
92 3.9 42.3 63.5#
108 6.2 62.0 93.0#





#71

Pentachlorophenol

Concen: 1.361 ng/ul

RT: 16.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

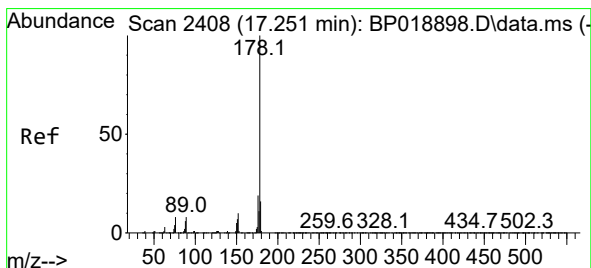
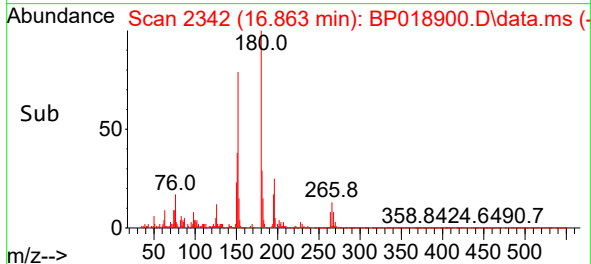
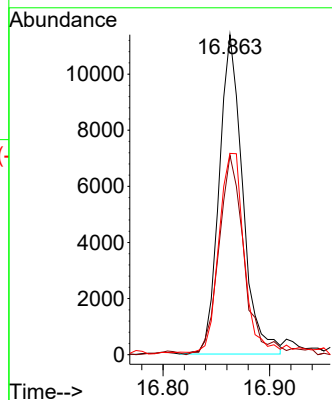
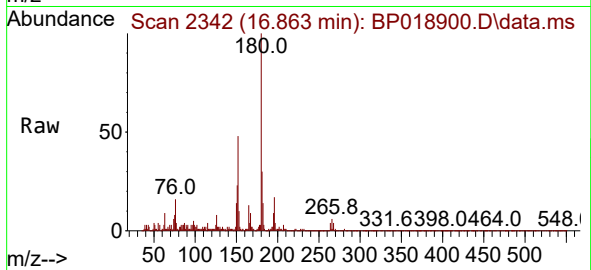
Tgt Ion:266 Resp: 17452

Ion Ratio Lower Upper

266 100

264 62.3 50.2 75.2

268 62.9 50.5 75.7



#72

Phenanthrene

Concen: 83.019 ng/ul

RT: 17.257 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

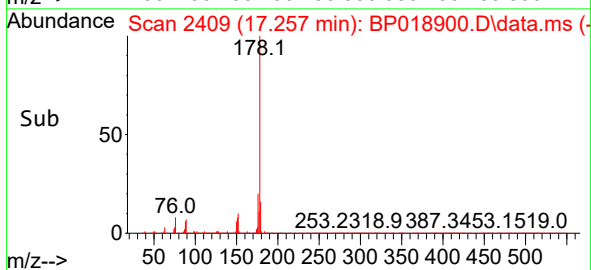
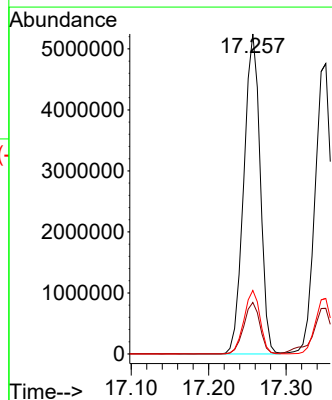
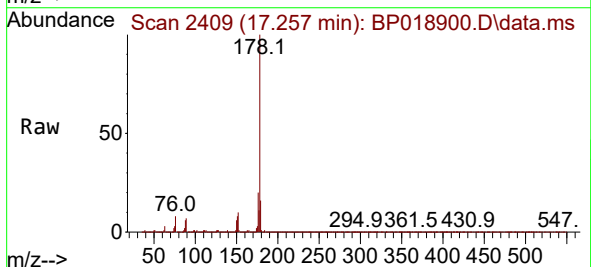
Tgt Ion:178 Resp: 7669552

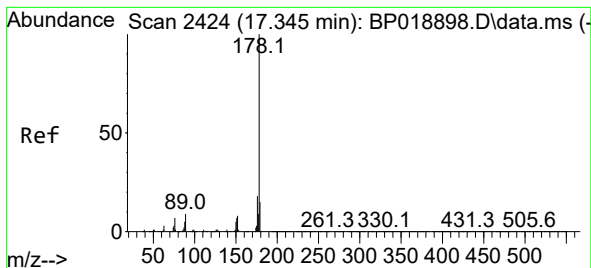
Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

176 19.9 15.4 23.2





#74

Anthracene

Concen: 75.344 ng/ul

RT: 17.351 min Scan# 2424

Delta R.T. 0.006 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

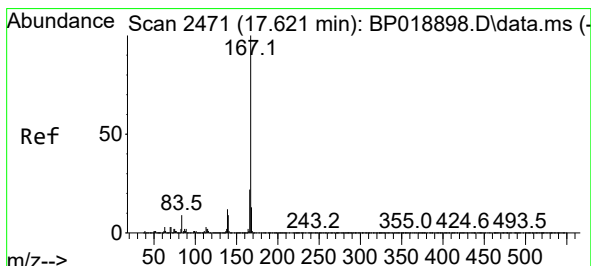
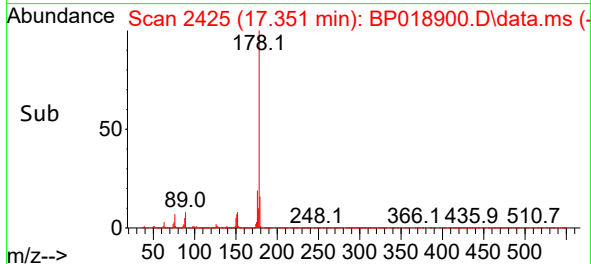
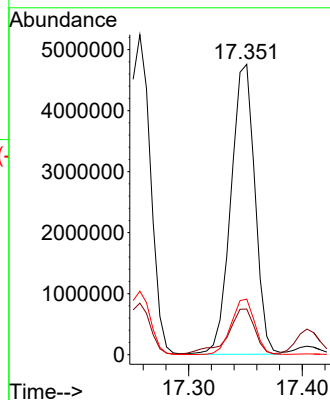
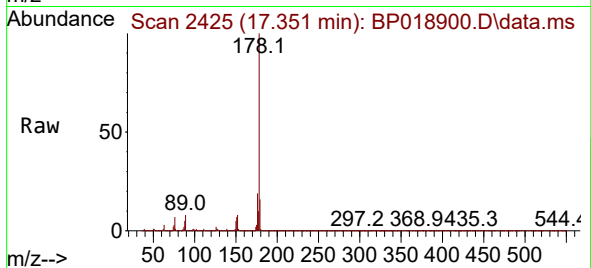
Tgt Ion:178 Resp: 6977038

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 19.1 15.0 22.6



#77

Carbazole

Concen: 15.055 ng/ul

RT: 17.622 min Scan# 2471

Delta R.T. -0.000 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

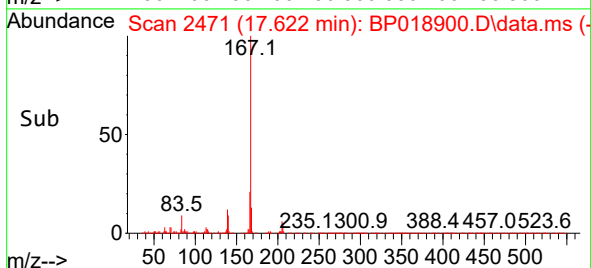
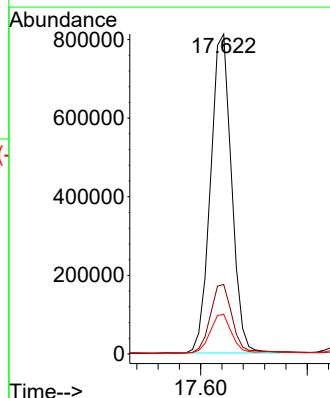
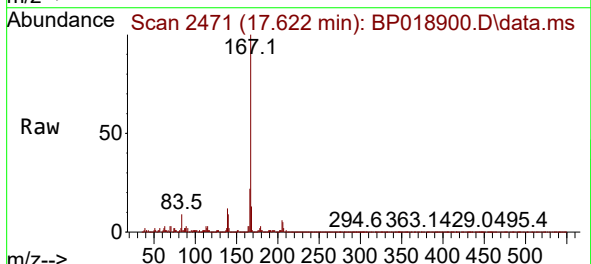
Tgt Ion:167 Resp: 1111112

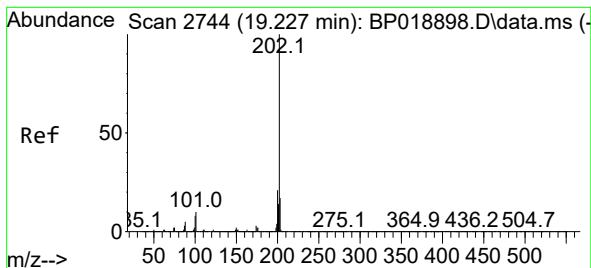
Ion Ratio Lower Upper

167 100

166 21.7 17.1 25.7

139 12.4 10.2 15.4





#80

Fluoranthene

Concen: 1.464 ng/ul

RT: 19.375 min Scan# 21

Delta R.T. 0.147 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

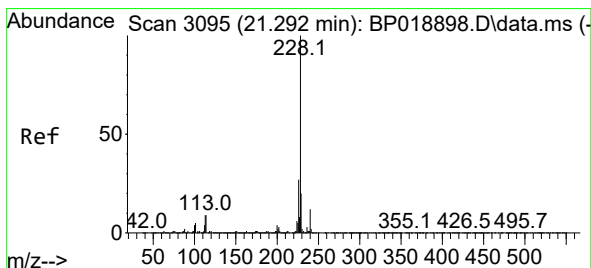
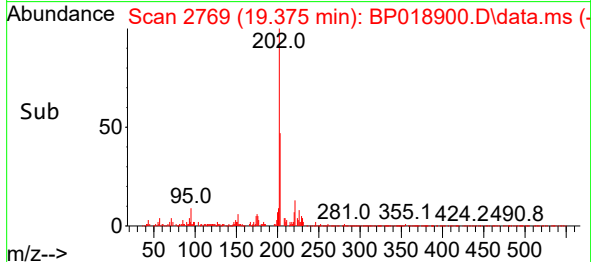
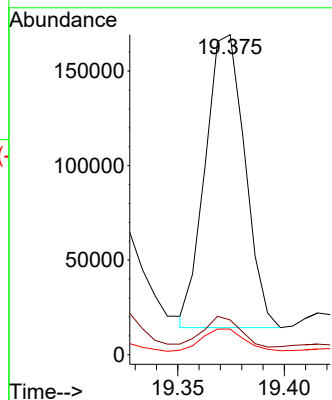
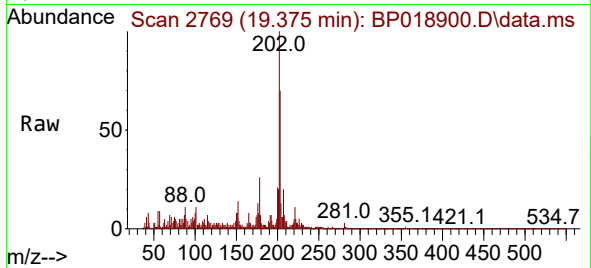
Tgt Ion:202 Resp: 200301

Ion Ratio Lower Upper

202 100

101 10.8 9.1 13.7

100 8.0 7.1 10.7



#85

Benzo(a)anthracene

Concen: 63.173 ng/ul

RT: 21.298 min Scan# 3096

Delta R.T. 0.012 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

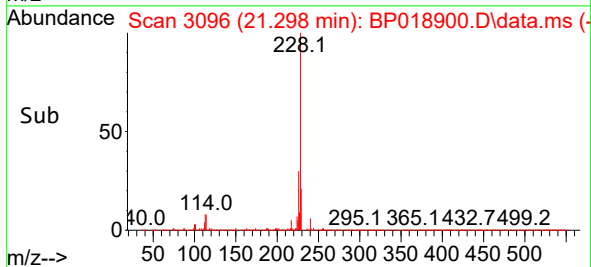
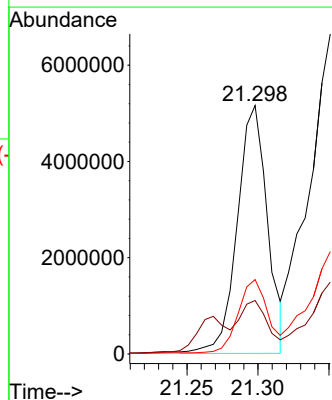
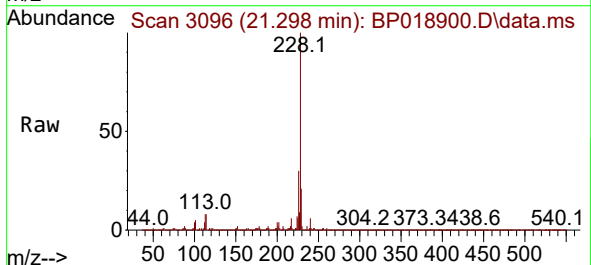
Tgt Ion:228 Resp: 7623961

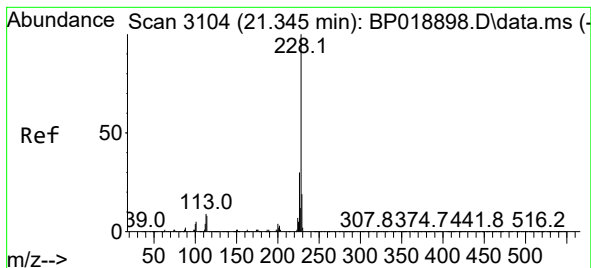
Ion Ratio Lower Upper

228 100

229 21.5 15.7 23.5

226 30.0 21.9 32.9





#87

Chrysene

Concen: 97.606 ng/ul

RT: 21.351 min Scan# 3104

Delta R.T. 0.012 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

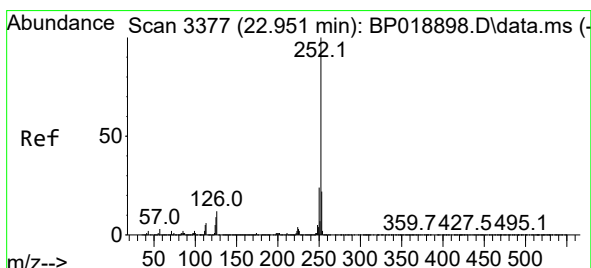
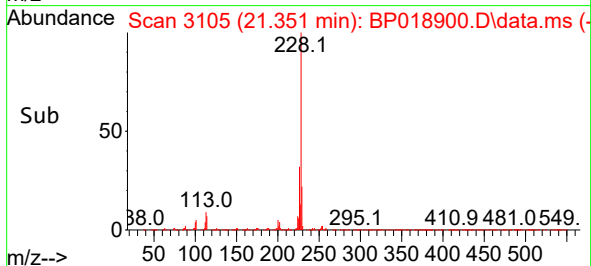
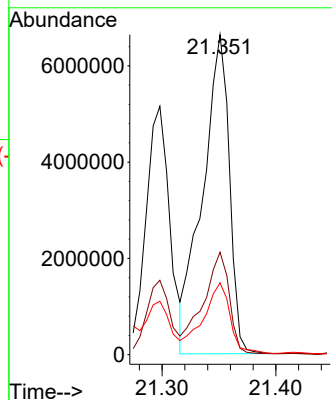
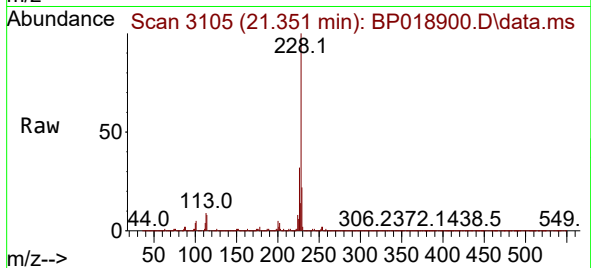
Tgt Ion:228 Resp:10847473

Ion Ratio Lower Upper

228 100

226 32.0 23.9 35.9

229 22.5 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 120.104 ng/ul

RT: 22.974 min Scan# 3381

Delta R.T. 0.029 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

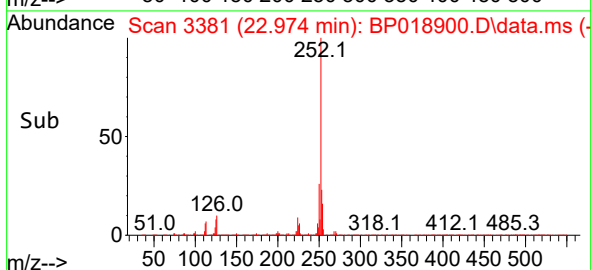
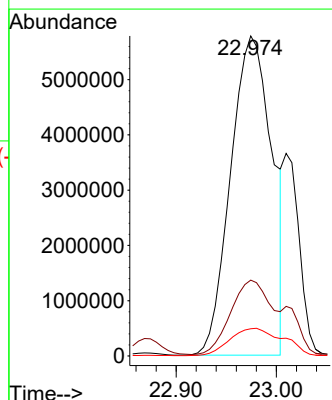
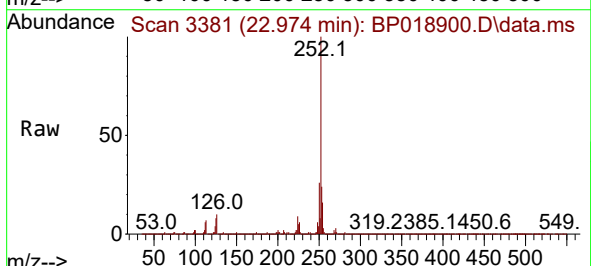
Tgt Ion:252 Resp:16584997

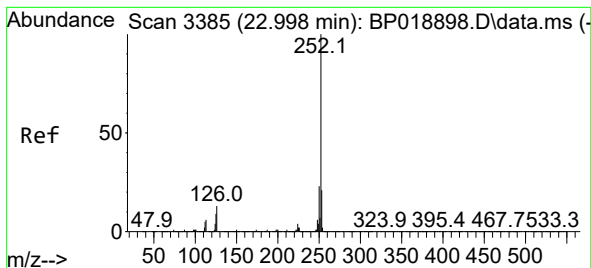
Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 8.5 7.8 11.6





#91

Benzo(k)fluoranthene

Concen: 124.130 ng/ul

RT: 22.974 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

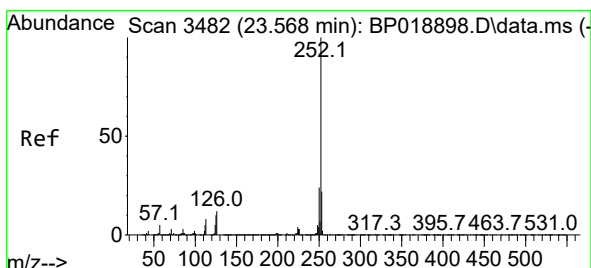
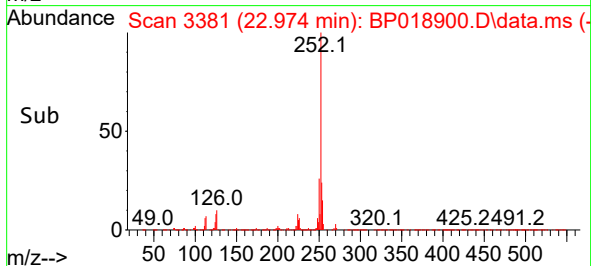
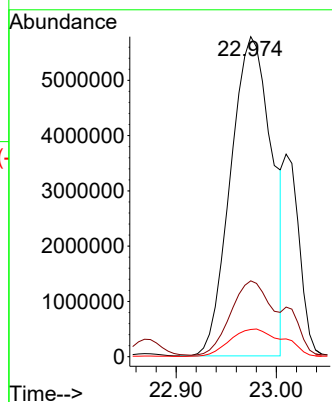
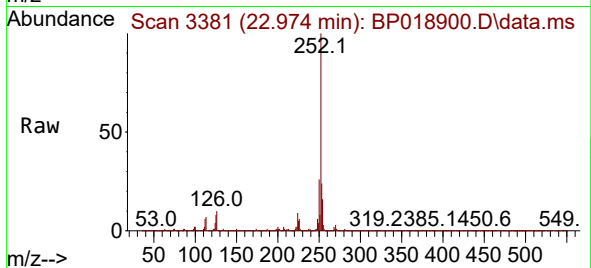
Tgt Ion:252 Resp:16584997

Ion Ratio Lower Upper

252 100

253 23.7 17.7 26.5

125 8.5 8.0 12.0



#93

Benzo(a)pyrene

Concen: 53.020 ng/ul

RT: 23.586 min Scan# 3485

Delta R.T. 0.024 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

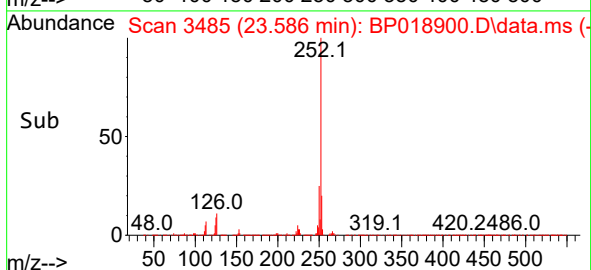
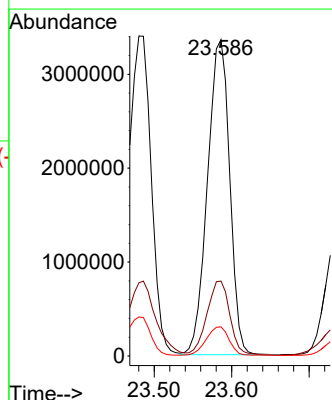
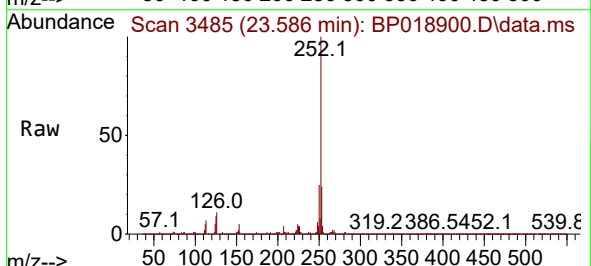
Tgt Ion:252 Resp: 6689875

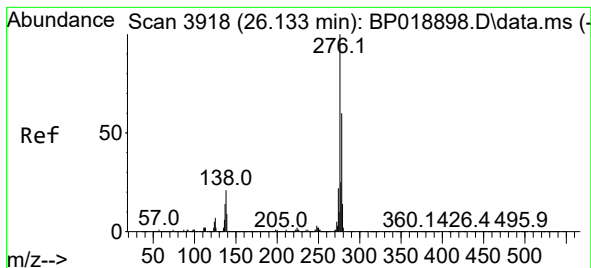
Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.8

125 9.2 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 34.837 ng/ul

RT: 26.151 min Scan# 3921

Delta R.T. 0.029 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

Instrument :

BNA_P

ClientSampleId :

DCLF0

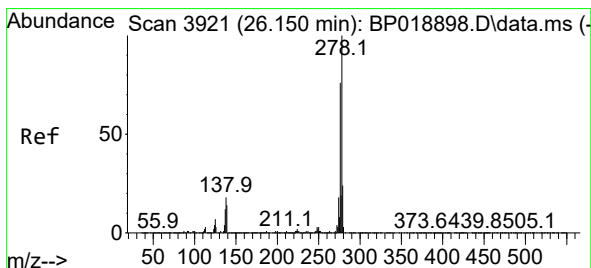
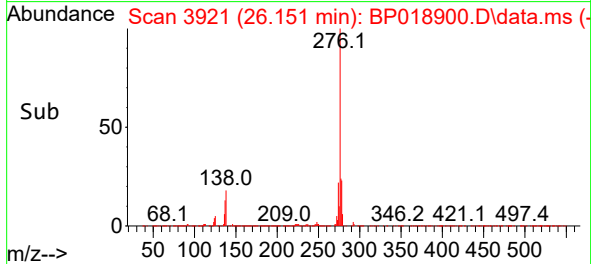
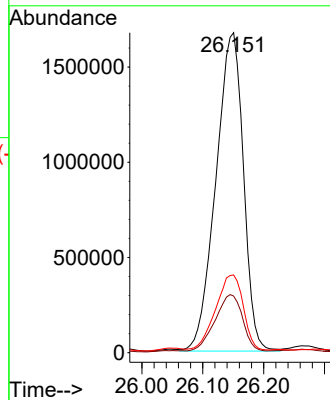
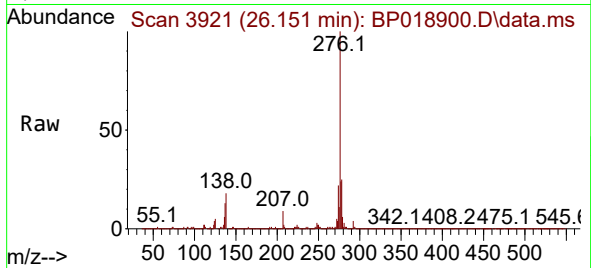
Tgt Ion:276 Resp: 5251785

Ion Ratio Lower Upper

276 100

138 17.7 19.4 29.2#

277 24.3 19.8 29.6



#95

Dibenzo(a,h)anthracene

Concen: 10.712 ng/ul

RT: 26.151 min Scan# 3921

Delta R.T. 0.012 min

Lab File: BP018900.D

Acq: 18 Dec 2023 11:14

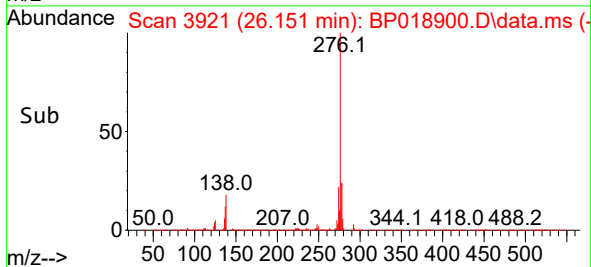
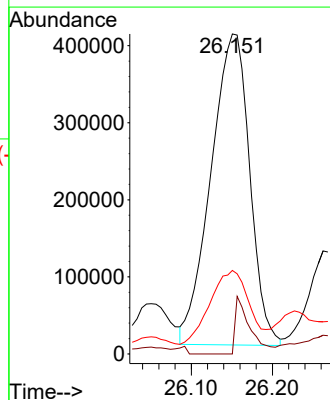
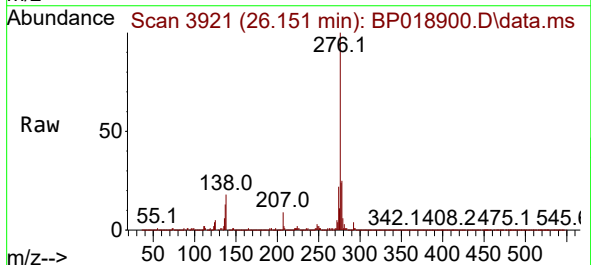
Tgt Ion:278 Resp: 1343363

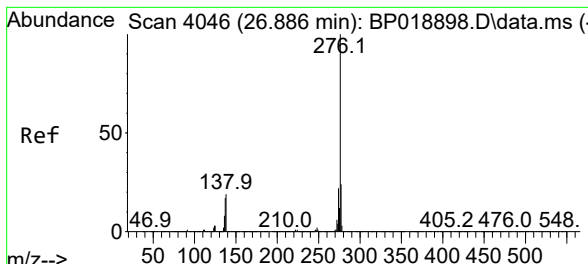
Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.6#

279 26.1 18.7 28.1





#96
 Benzo(g,h,i)perylene
 Concen: 34.641 ng/ul
 RT: 26.909 min Scan# 4046
 Delta R.T. 0.035 min
 Lab File: BP018900.D
 Acq: 18 Dec 2023 11:14

Instrument :
 BNA_P
 ClientSampleId :
 DCLF0

Tgt Ion:276 Resp: 4202706

Ion	Ratio	Lower	Upper
276	100		
138	18.2	18.1	27.1
277	24.0	19.4	29.0

