

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018947.D
 Acq On : 19 Dec 2023 14:33
 Operator : MA/JU
 Sample : 05794-14DL 2X
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q9DL

Quant Time: Dec 19 21:41:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 05:28:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	226881	20.000	ng/ul	0.00
20) Naphthalene-d8	10.622	136	870554	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.463	164	556745	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.210	188	1324091	20.000	ng/ul	0.00
79) Chrysene-d12	21.310	240	1319820	20.000	ng/ul	# 0.00
88) Perylene-d12	23.674	264	1577373	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	11068	1.662	ng/uL	0.00
4) Pyridine-d5	3.687	84	14964	0.839	ng/ul	0.00
7) Phenol-d5	7.005	99	195546	8.589	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.163	67	111036	8.228	ng/ul	0.00
11) 2-Chlorophenol-d4	7.358	132	156410	8.804	ng/ul	-0.01
15) 4-Methylphenol-d8	8.546	113	139709	7.582	ng/ul	-0.01
21) Nitrobenzene-d5	8.987	128	74425	9.605	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.710	143	79982	9.957	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	158281	9.636	ng/ul	0.00
31) 4-Chloroaniline-d4	10.769	131	127389	5.934	ng/ul	0.00
46) Dimethylphthalate-d6	13.875	166	480676	9.674	ng/ul	0.00
49) Acenaphthylene-d8	14.157	160	569726	10.413	ng/ul	0.00
54) 4-Nitrophenol-d4	14.681	143	43853	5.376	ng/ul	0.00
60) Fluorene-d10	15.451	176	454242	10.891	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	19299	2.431	ng/ul	0.00
73) Anthracene-d10	17.310	188	745112	10.704	ng/ul	0.00
81) Pyrene-d10	19.551	212	938020	9.130	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.521	264	948054	10.308	ng/ul	-0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.658	105	57799	2.105	ng/ul	96
30) Naphthalene	10.675	128	257890	4.883	ng/ul	99
36) 2-Methylnaphthalene	12.287	142	64456	1.723	ng/ul	97
37) 1-Methylnaphthalene	12.504	142	50826	1.345	ng/ul#	97
50) Acenaphthylene	14.181	152	150890	2.453	ng/ul	99
52) Acenaphthene	14.528	153	168301	4.138	ng/ul	97
56) Dibenzofuran	14.857	168	187201	3.311	ng/ul	98
61) Fluorene	15.510	166	194801	4.355	ng/ul	98
72) Phenanthrene	17.257	178	3352823	41.927	ng/ul	100
74) Anthracene	17.345	178	711162	8.872	ng/ul	99
77) Carbazole	17.622	167	291455	4.562	ng/ul	99
80) Fluoranthene	19.228	202	4778794	39.351	ng/ul	96
82) Pyrene	19.580	202	4469356	36.481	ng/ul	95
85) Benzo(a)anthracene	21.292	228	2053944	19.173	ng/ul	98
87) Chrysene	21.345	228	2001562	20.289	ng/ul	97
90) Benzo(b)fluoranthene	22.957	252	2536581	21.810	ng/ul	98
91) Benzo(k)fluoranthene	22.957	252	2536581	22.542	ng/ul	98
93) Benzo(a)pyrene	23.468	252	1163944	10.953	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.133	276	1259406	9.919	ng/ul#	94
95) Dibenzo(a,h)anthracene	26.139	278	315778	2.990	ng/ul#	78
96) Benzo(g,h,i)perylene	26.892	276	504684	4.939	ng/ul	96

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

Instrument :

BNA_P

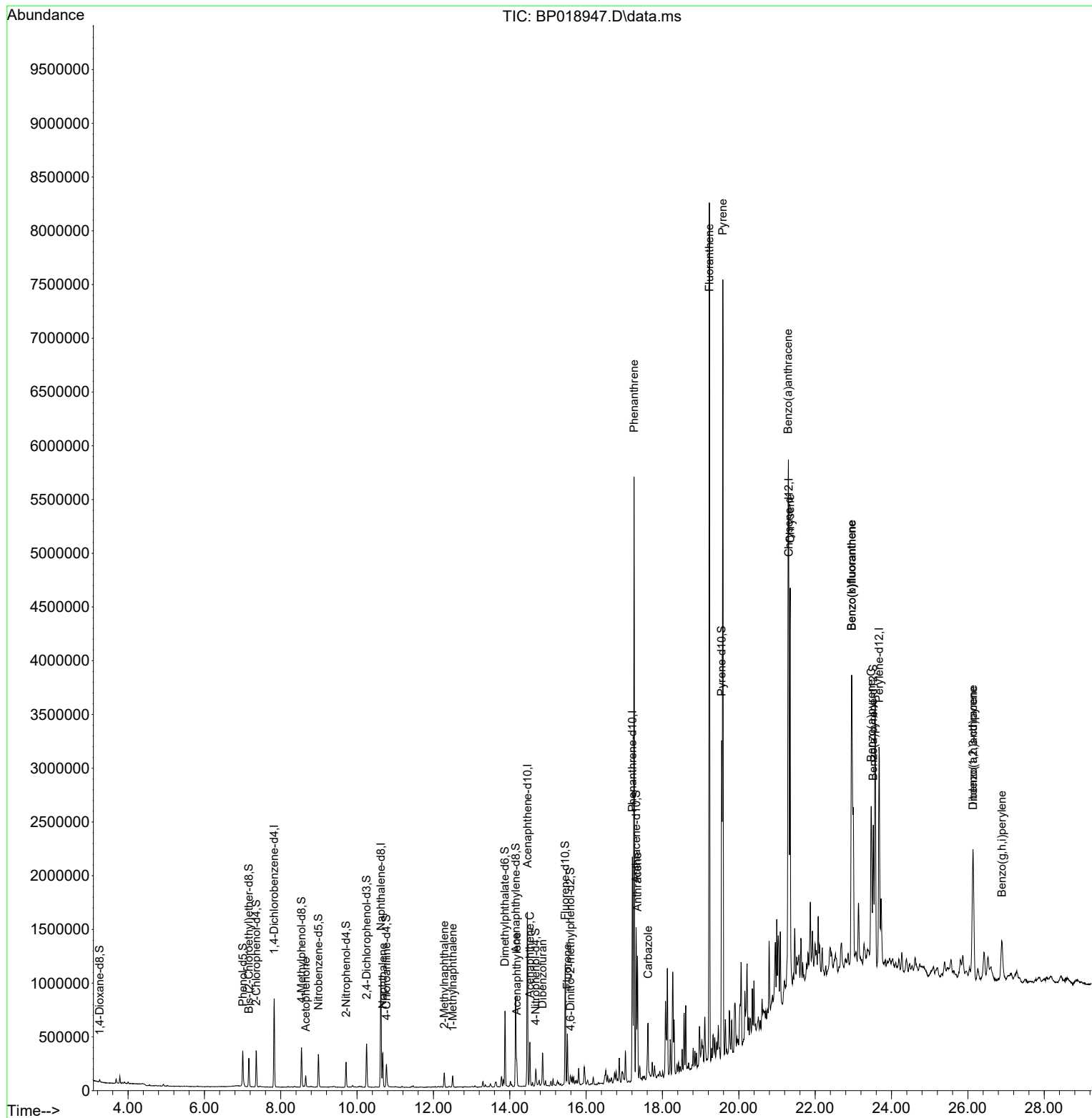
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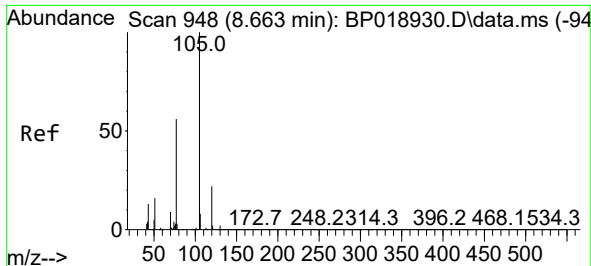
BH3Q9DL

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
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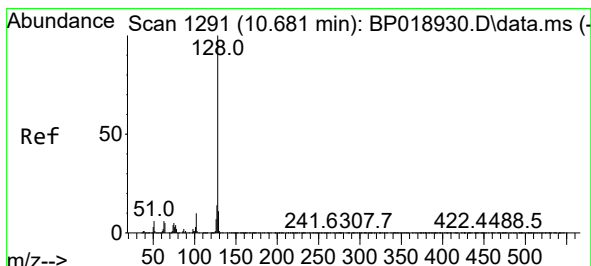
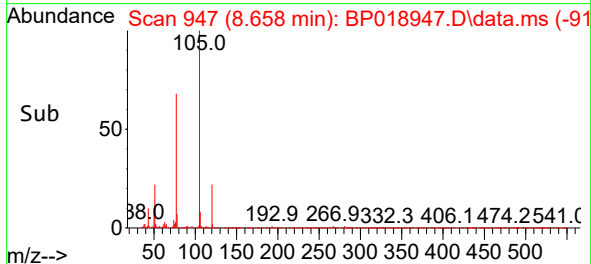
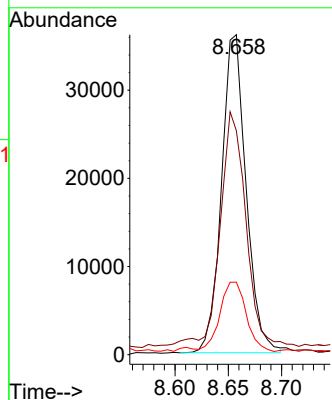
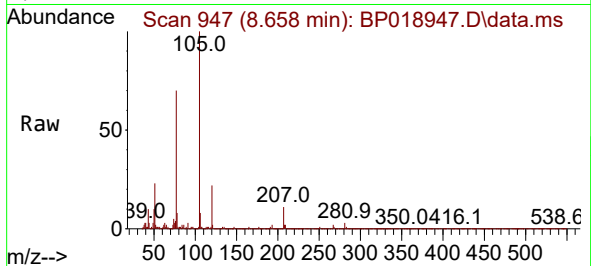




#16
Acetophenone
Concen: 2.105 ng/ul
RT: 8.658 min Scan# 948
Delta R.T. -0.006 min
Lab File: BP018947.D
Acq: 19 Dec 2023 14:33

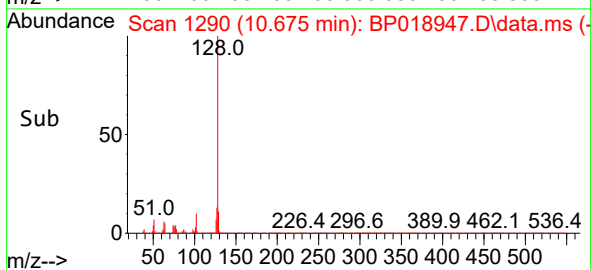
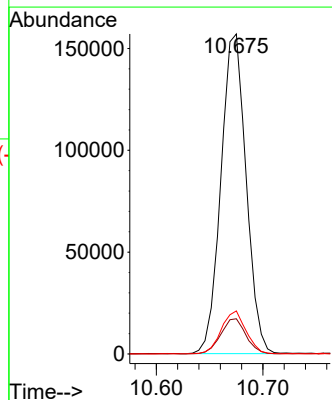
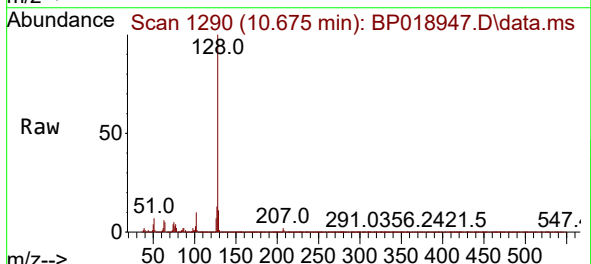
Instrument :
BNA_P
ClientSampleId :
BH3Q9DL

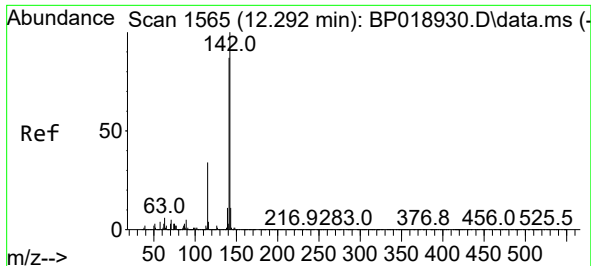
Tgt Ion:105 Resp: 57799
Ion Ratio Lower Upper
105 100
77 70.0 59.4 89.0
51 22.7 19.4 29.0



#30
Naphthalene
Concen: 4.883 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BP018947.D
Acq: 19 Dec 2023 14:33

Tgt Ion:128 Resp: 257890
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.4 10.5 15.7

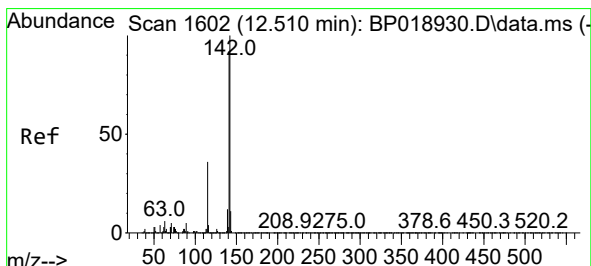
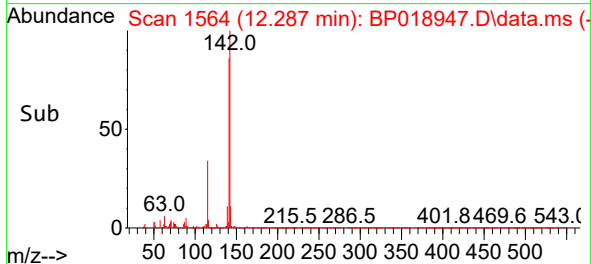
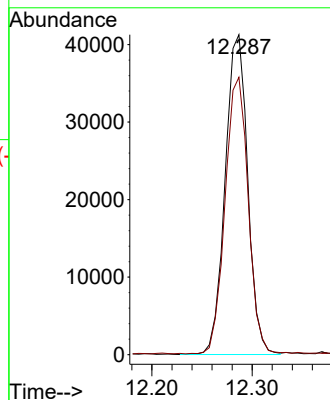
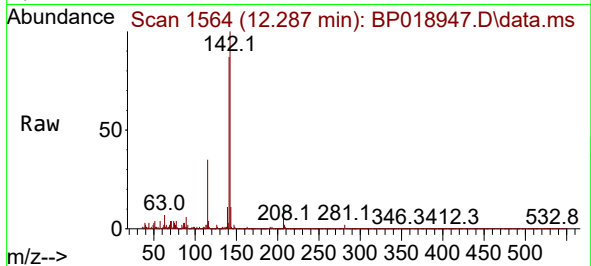




#36
2-Methylnaphthalene
Concen: 1.723 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BP018947.D
Acq: 19 Dec 2023 14:33

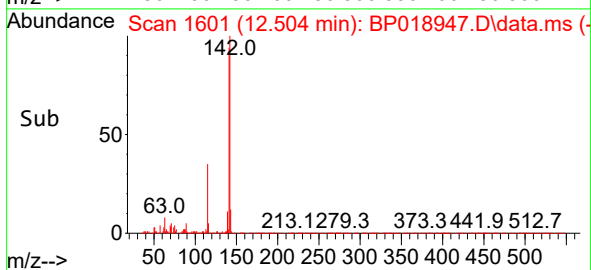
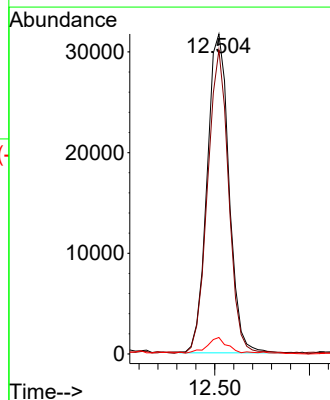
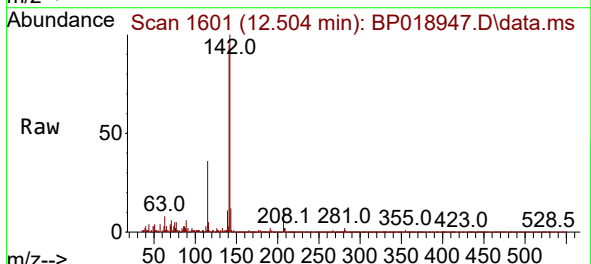
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ClientSampleId :
BH3Q9DL

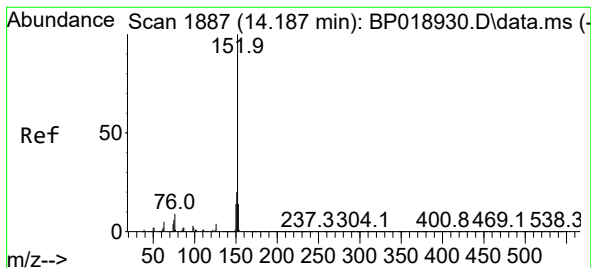
Tgt Ion:142 Resp: 64456
Ion Ratio Lower Upper
142 100
141 86.7 71.4 107.0



#37
1-Methylnaphthalene
Concen: 1.345 ng/ul
RT: 12.504 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BP018947.D
Acq: 19 Dec 2023 14:33

Tgt Ion:142 Resp: 50826
Ion Ratio Lower Upper
142 100
141 95.0 73.5 110.3
116 5.1 2.8 4.2#





#50

Acenaphthylene

Concen: 2.453 ng/ul

RT: 14.181 min Scan# 1886

Delta R.T. -0.006 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

Instrument :

BNA_P

ClientSampleId :

BH3Q9DL

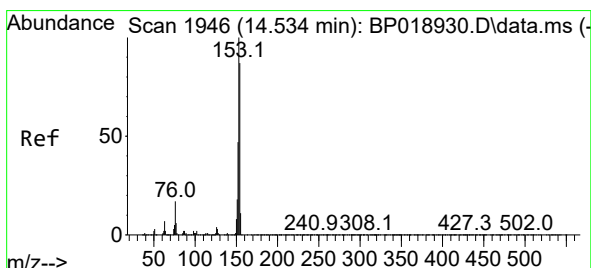
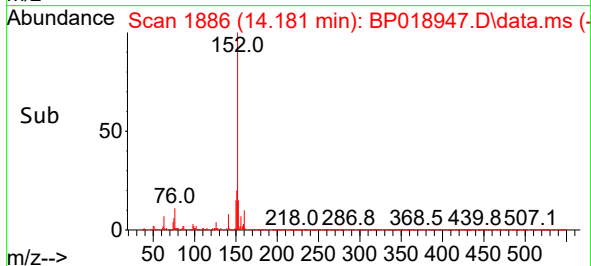
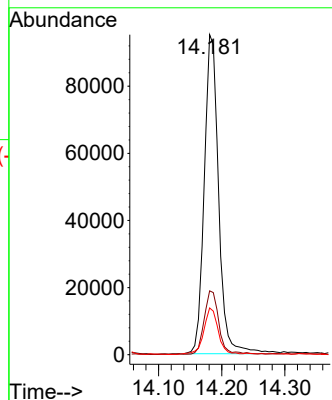
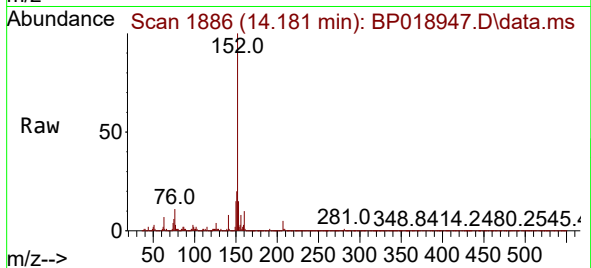
Tgt Ion:152 Resp: 150890

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

153 14.6 10.6 16.0



#52

Acenaphthene

Concen: 4.138 ng/ul

RT: 14.528 min Scan# 1945

Delta R.T. -0.006 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

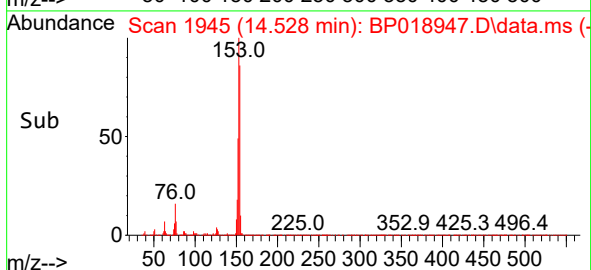
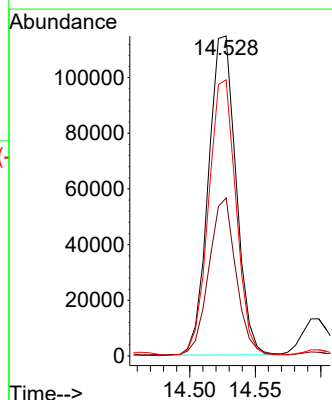
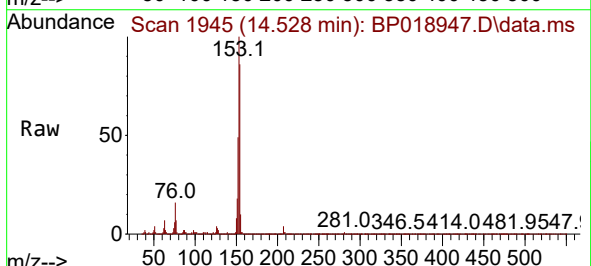
Tgt Ion:153 Resp: 168301

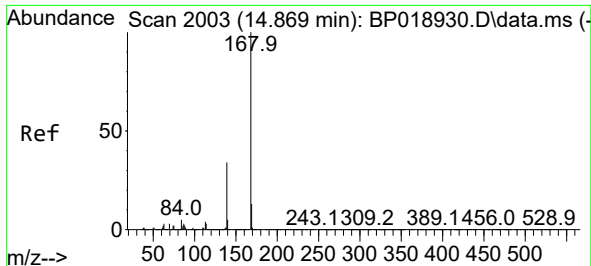
Ion Ratio Lower Upper

153 100

152 49.4 38.1 57.1

154 86.3 71.7 107.5

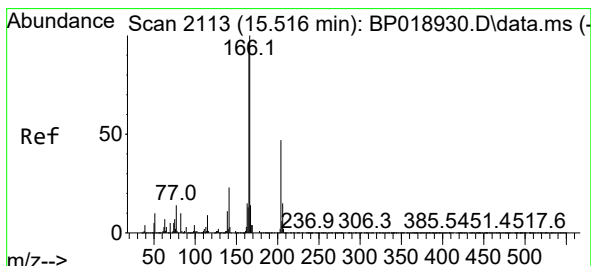
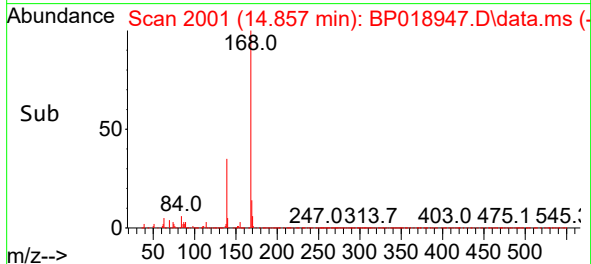
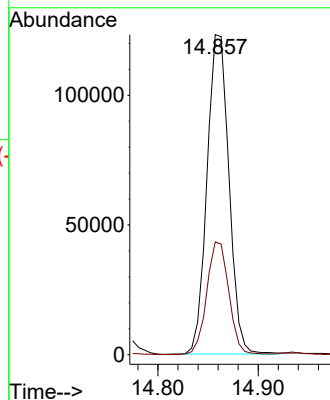
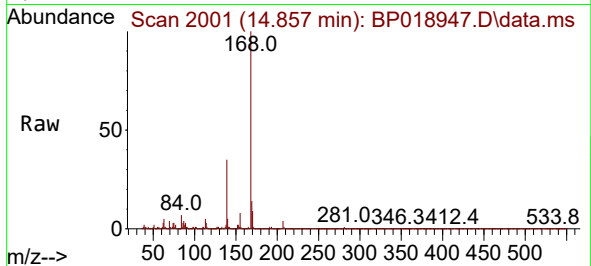




#56
Dibenzofuran
Concen: 3.311 ng/ul
RT: 14.857 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BP018947.D
Acq: 19 Dec 2023 14:33

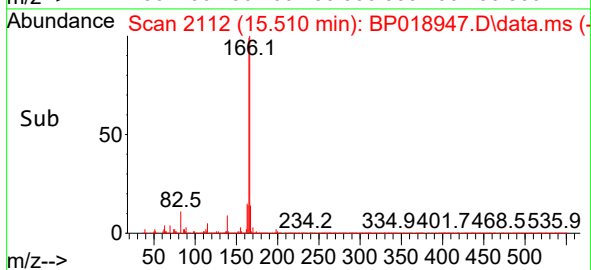
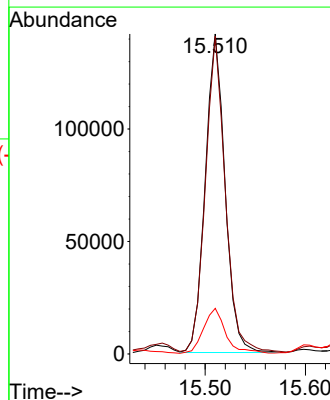
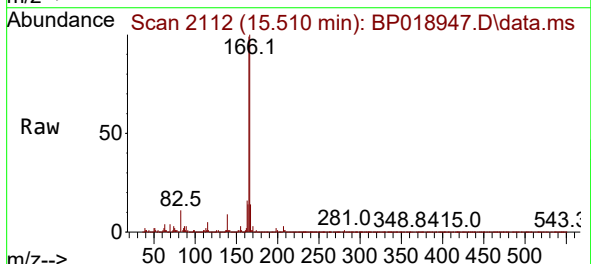
Instrument :
BNA_P
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BH3Q9DL

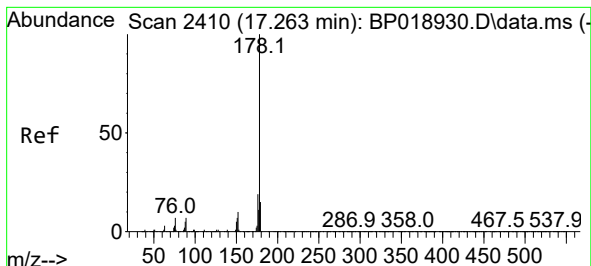
Tgt Ion:168 Resp: 187201
Ion Ratio Lower Upper
168 100
139 35.2 29.1 43.7



#61
Fluorene
Concen: 4.355 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018947.D
Acq: 19 Dec 2023 14:33

Tgt Ion:166 Resp: 194801
Ion Ratio Lower Upper
166 100
165 99.3 78.0 117.0
167 14.3 10.8 16.2





#72

Phenanthrene

Concen: 41.927 ng/ul

RT: 17.257 min Scan# 2410

Delta R.T. -0.006 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

Instrument :

BNA_P

ClientSampleId :

BH3Q9DL

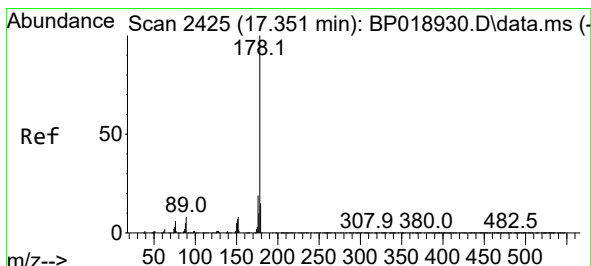
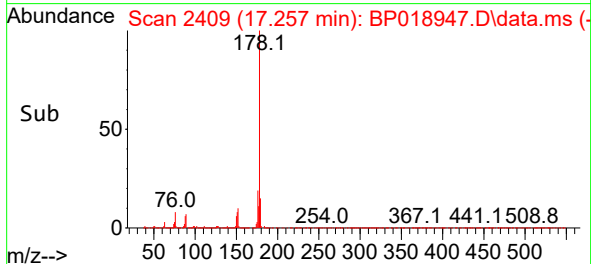
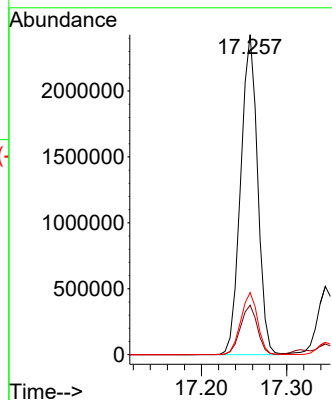
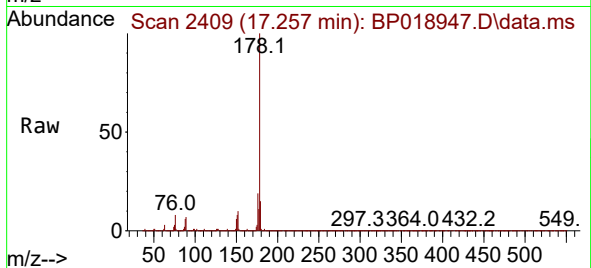
Tgt Ion:178 Resp: 3352823

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 19.4 15.4 23.2



#74

Anthracene

Concen: 8.872 ng/ul

RT: 17.345 min Scan# 2424

Delta R.T. -0.006 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

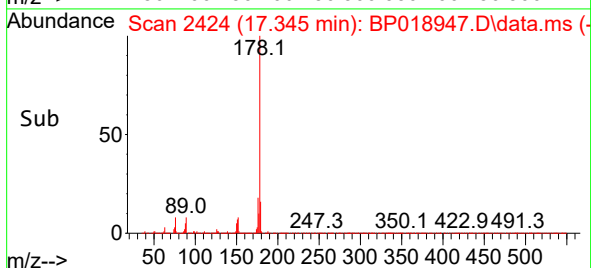
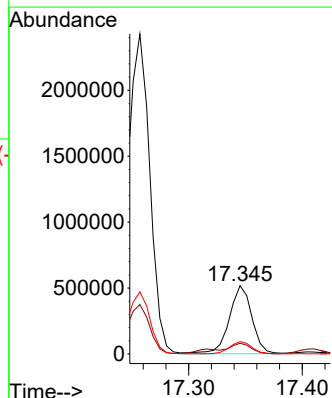
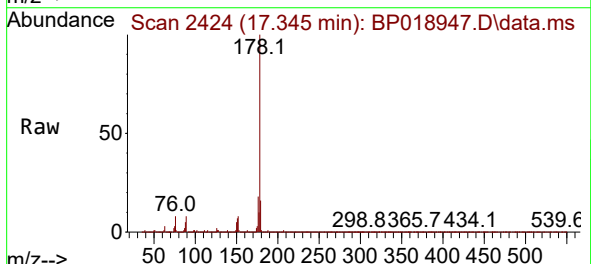
Tgt Ion:178 Resp: 711162

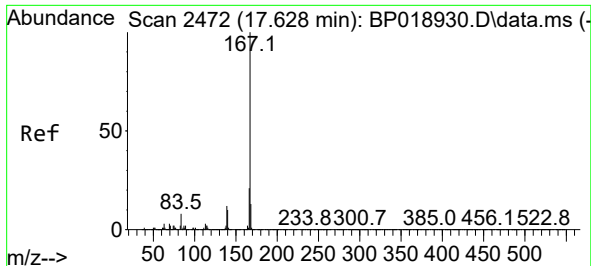
Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 17.9 15.0 22.6

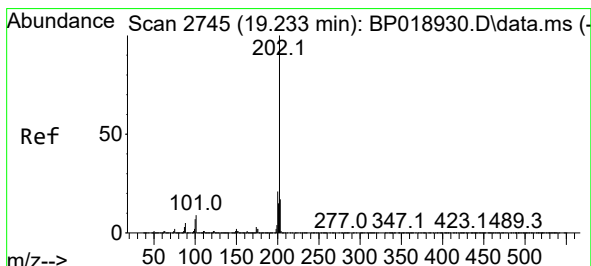
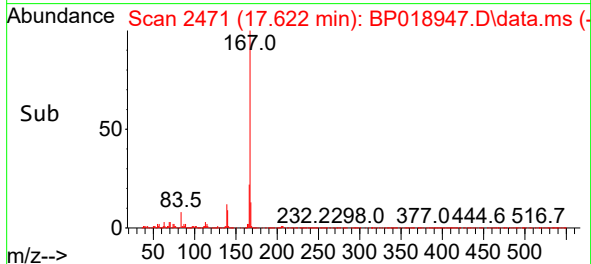
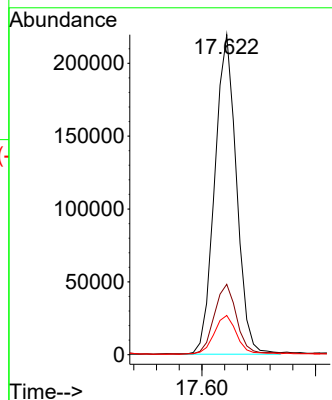
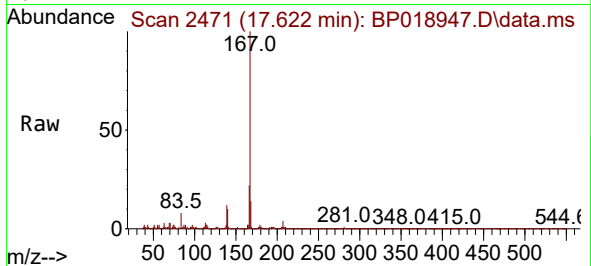




#77
 Carbazole
 Concen: 4.562 ng/ul
 RT: 17.622 min Scan# 2472
 Delta R.T. -0.006 min
 Lab File: BP018947.D
 Acq: 19 Dec 2023 14:33

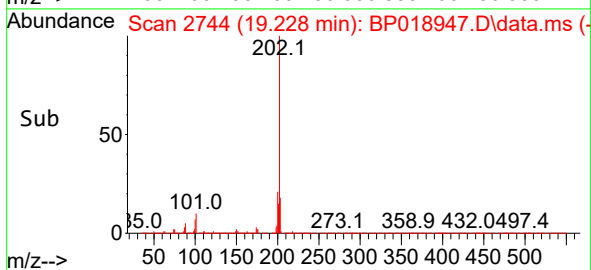
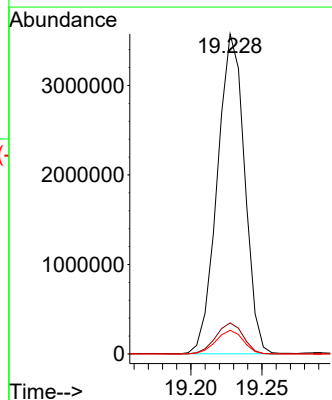
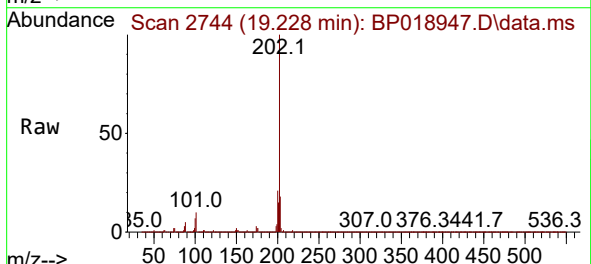
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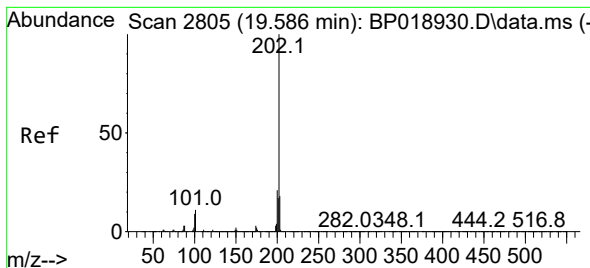
Tgt Ion:167 Resp: 291455
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.1 25.7
 139 12.3 10.2 15.4



#80
 Fluoranthene
 Concen: 39.351 ng/ul
 RT: 19.228 min Scan# 2744
 Delta R.T. -0.006 min
 Lab File: BP018947.D
 Acq: 19 Dec 2023 14:33

Tgt Ion:202 Resp: 4778794
 Ion Ratio Lower Upper
 202 100
 101 9.7 9.1 13.7
 100 7.4 7.1 10.7





#82

Pyrene

Concen: 36.481 ng/ul

RT: 19.580 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

Instrument :

BNA_P

ClientSampleId :

BH3Q9DL

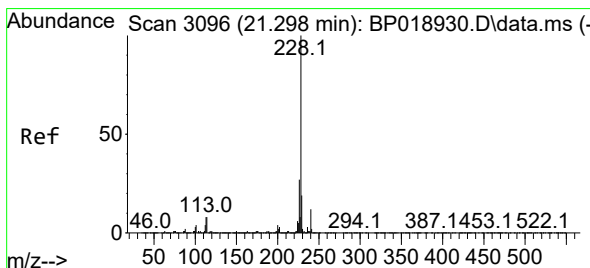
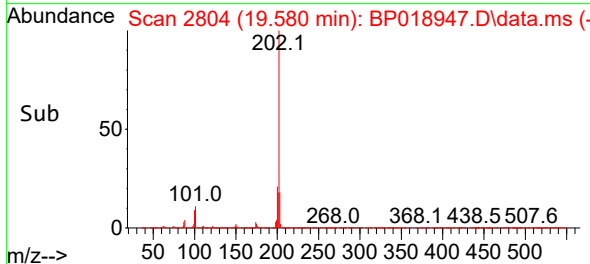
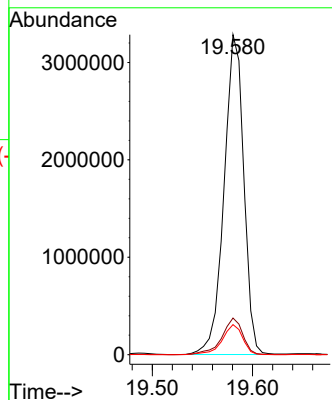
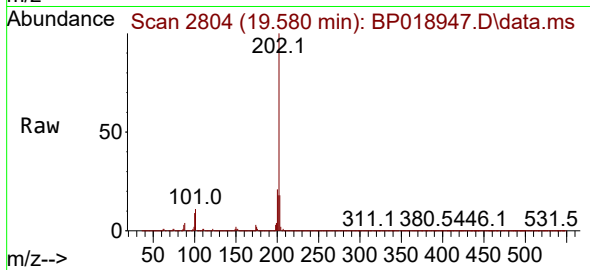
Tgt Ion:202 Resp: 4469356

Ion Ratio Lower Upper

202 100

101 11.5 11.0 16.4

100 9.4 9.1 13.7



#85

Benzo(a)anthracene

Concen: 19.173 ng/ul

RT: 21.292 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

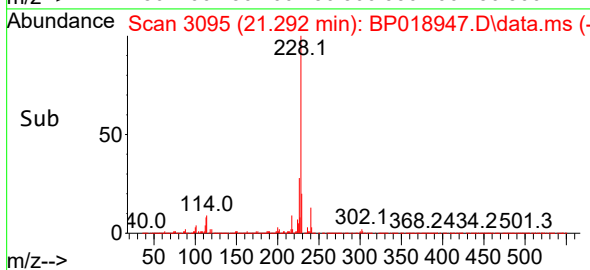
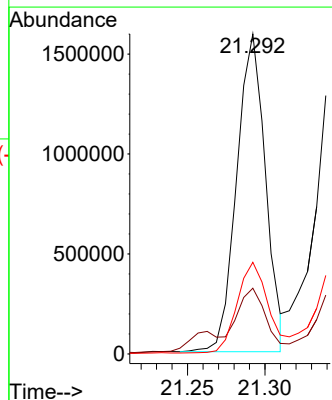
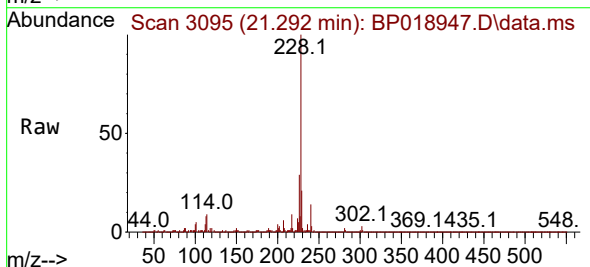
Tgt Ion:228 Resp: 2053944

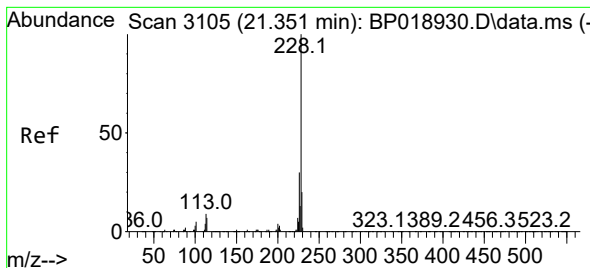
Ion Ratio Lower Upper

228 100

229 20.5 15.7 23.5

226 28.6 21.9 32.9





#87

Chrysene

Concen: 20.289 ng/ul

RT: 21.345 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

Instrument :

BNA_P

ClientSampleId :

BH3Q9DL

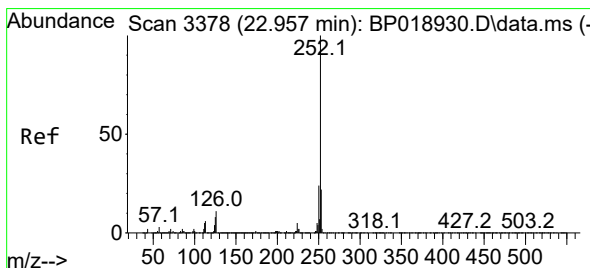
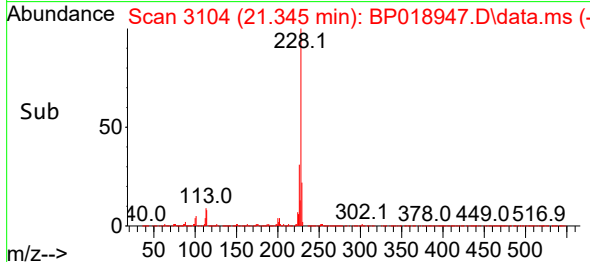
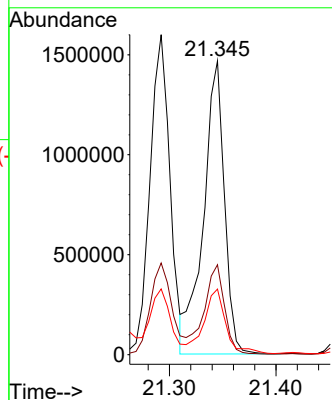
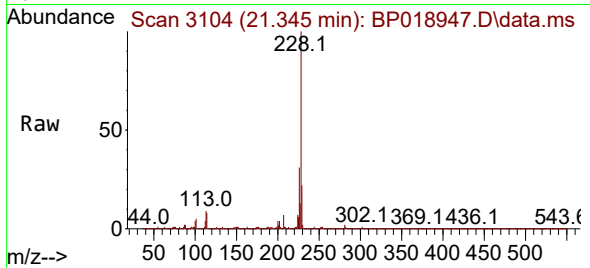
Tgt Ion:228 Resp: 2001562

Ion Ratio Lower Upper

228 100

226 30.6 23.9 35.9

229 22.3 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 21.810 ng/ul

RT: 22.957 min Scan# 3378

Delta R.T. 0.000 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

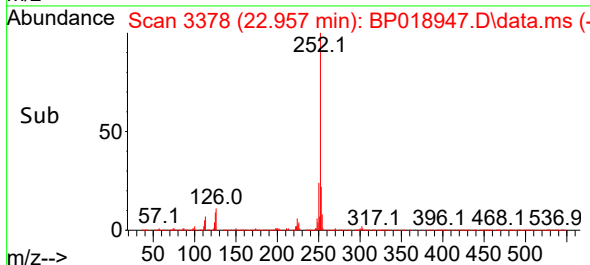
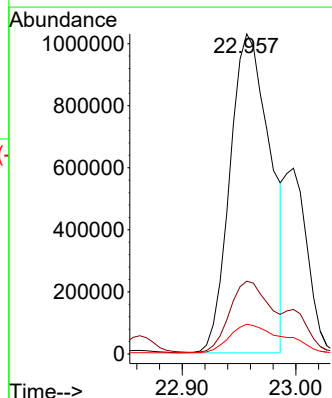
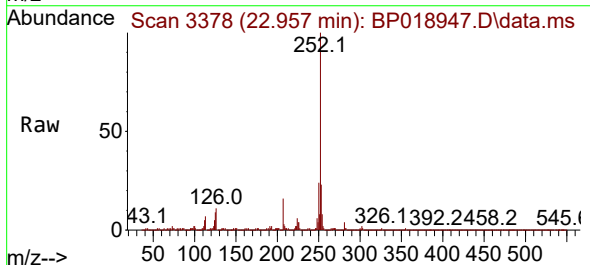
Tgt Ion:252 Resp: 2536581

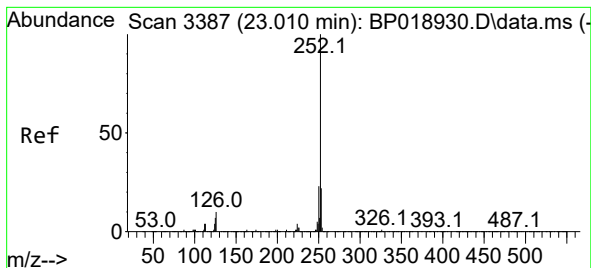
Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 9.3 7.8 11.6





#91

Benzo(k)fluoranthene

Concen: 22.542 ng/uI

RT: 22.957 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

Instrument :

BNA_P

ClientSampleId :

BH3Q9DL

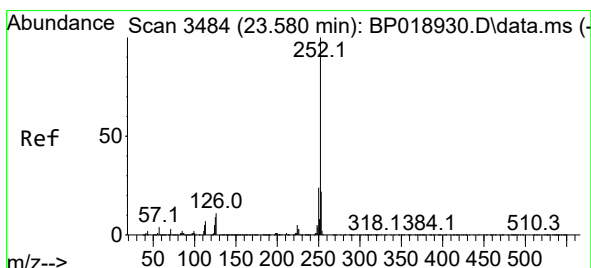
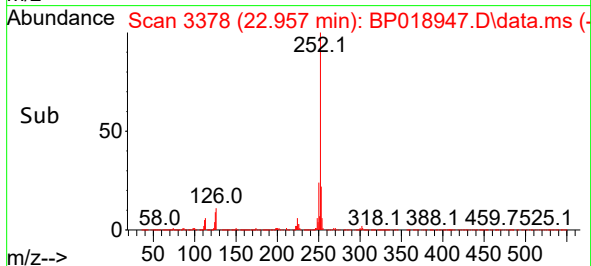
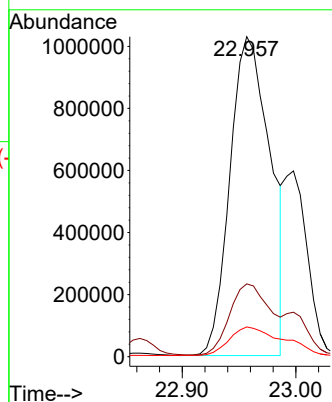
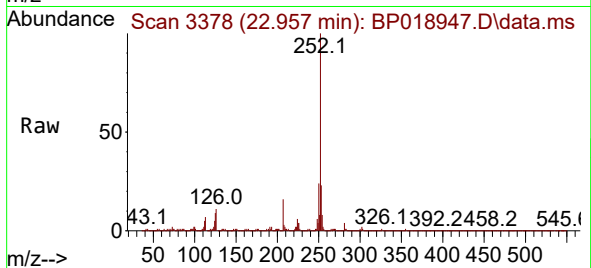
Tgt Ion:252 Resp: 2536581

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 9.3 8.0 12.0



#93

Benzo(a)pyrene

Concen: 10.953 ng/uI

RT: 23.468 min Scan# 3465

Delta R.T. -0.112 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

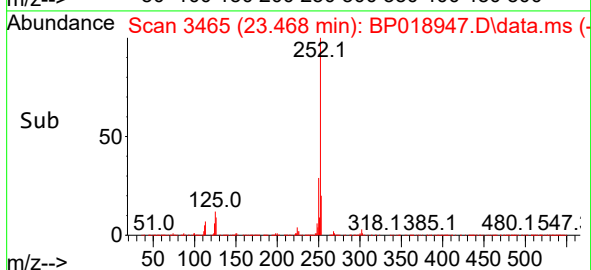
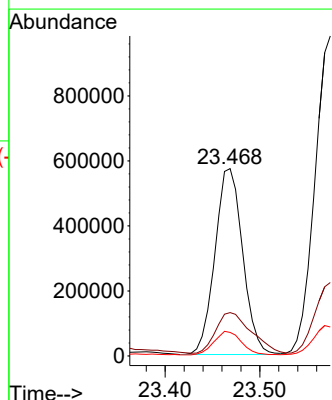
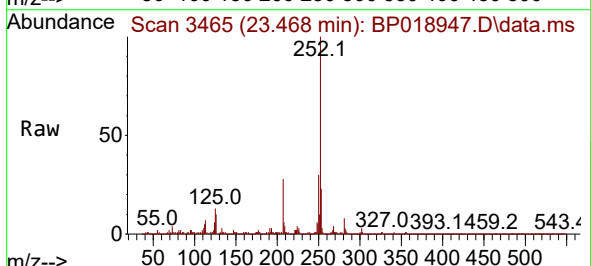
Tgt Ion:252 Resp: 1163944

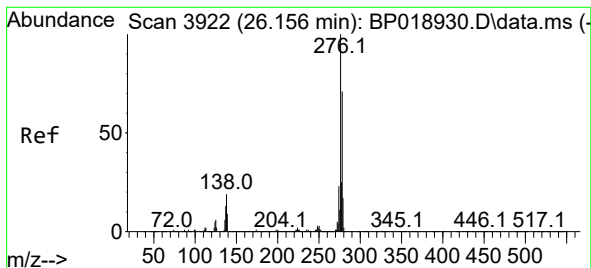
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 12.5 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.919 ng/ul

RT: 26.133 min Scan# 3918

Delta R.T. -0.023 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

Instrument :

BNA_P

ClientSampleId :

BH3Q9DL

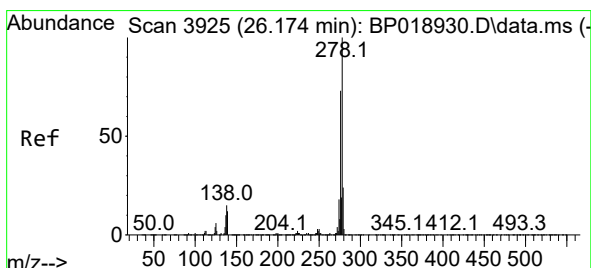
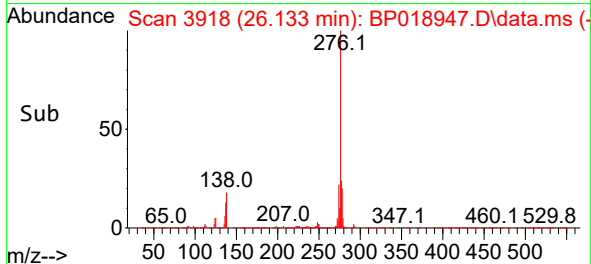
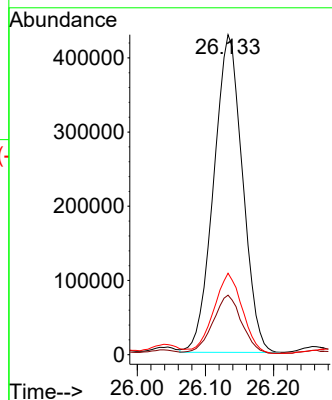
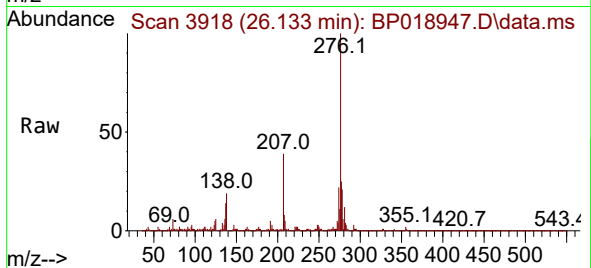
Tgt Ion:276 Resp: 1259406

Ion Ratio Lower Upper

276 100

138 18.6 19.4 29.2#

277 25.5 19.8 29.6



#95

Dibenzo(a,h)anthracene

Concen: 2.990 ng/ul

RT: 26.139 min Scan# 3919

Delta R.T. -0.035 min

Lab File: BP018947.D

Acq: 19 Dec 2023 14:33

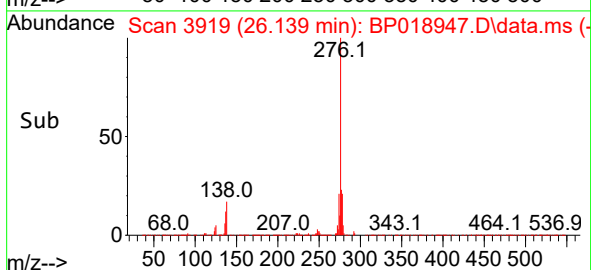
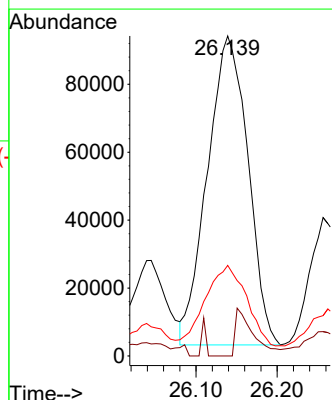
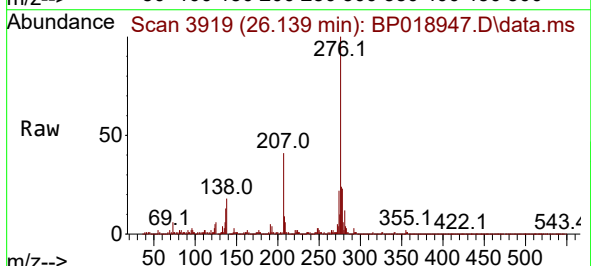
Tgt Ion:278 Resp: 315778

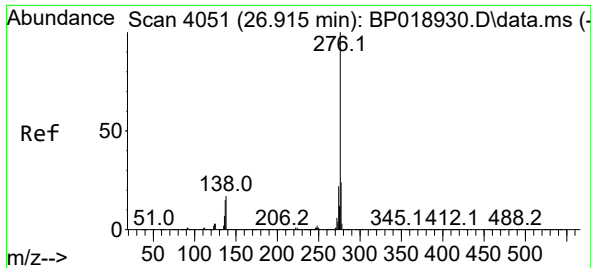
Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.6#

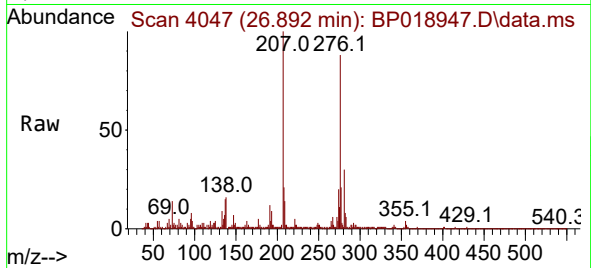
279 28.3 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 4.939 ng/ul
 RT: 26.892 min Scan# 4051
 Delta R.T. -0.023 min
 Lab File: BP018947.D
 Acq: 19 Dec 2023 14:33

Instrument :
 BNA_P
 ClientSampleId :
 BH3Q9DL



Tgt Ion:276 Resp: 504684
 Ion Ratio Lower Upper
 276 100
 138 18.4 18.1 27.1
 277 24.4 19.4 29.0

