

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018936.D
 Acq On : 19 Dec 2023 08:19
 Operator : MA/JU
 Sample : 05626-08DL 30X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF4DL

Quant Time: Dec 19 21:38:00 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)

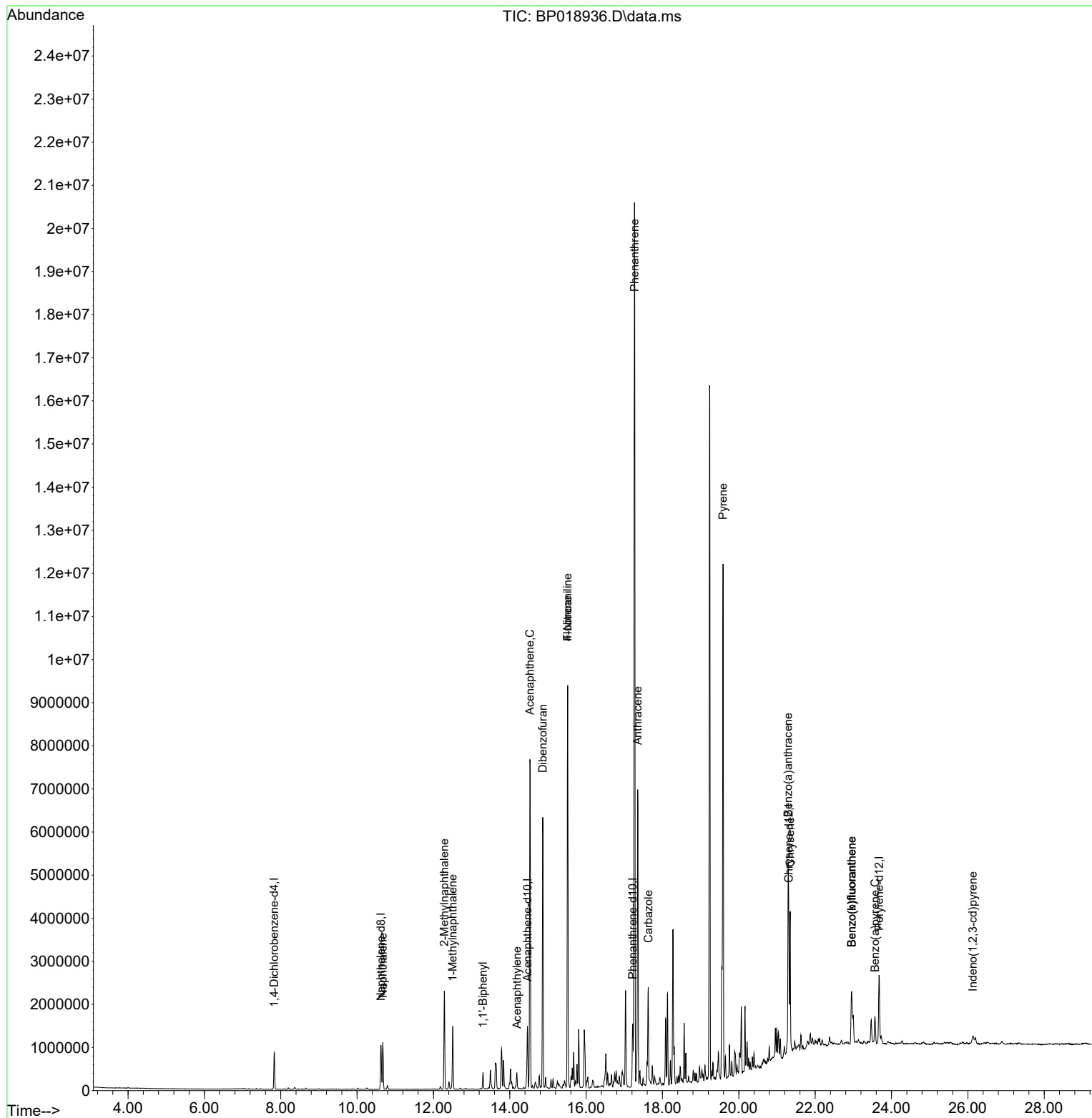
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	245324	20.000	ng/ul	0.00
20) Naphthalene-d8	10.622	136	881721	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.463	164	502014	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.216	188	988960	20.000	ng/ul	0.00
79) Chrysene-d12	21.310	240	1022870	20.000	ng/ul	0.00
88) Perylene-d12	23.674	264	1247233	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.246	96	194	0.027	ng/uL	-0.01
4) Pyridine-d5	3.681	84	114	0.006	ng/ul	0.00
7) Phenol-d5	7.011	99	7398	0.300	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.170	67	4823	0.331	ng/ul	0.00
11) 2-Chlorophenol-d4	7.364	132	6799	0.354	ng/ul	0.00
15) 4-Methylphenol-d8	8.552	113	5082	0.255	ng/ul	0.00
21) Nitrobenzene-d5	8.993	128	3063	0.390	ng/ul	0.00
24) 2-Nitrophenol-d4	9.711	143	2736	0.336	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.258	165	5615	0.338	ng/ul	0.00
31) 4-Chloroaniline-d4	10.740	131	1347	0.062	ng/ul	-0.04
46) Dimethylphthalate-d6	13.881	166	18657	0.416	ng/ul	0.00
49) Acenaphthylene-d8	14.151	160	19784	0.401	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.687	143	1219	0.166	ng/ul	0.00
60) Fluorene-d10	15.457	176	17595	0.468	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	86	0.015	ng/ul	0.00
73) Anthracene-d10	17.316	188	24179	0.465	ng/ul	0.00
81) Pyrene-d10	19.551	212	31573	0.397	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.522	264	32148	0.442	ng/ul	-0.01
Target Compounds					Qvalue	
30) Naphthalene	10.675	128	860751	16.092	ng/ul	99
36) 2-Methylnaphthalene	12.287	142	1058624	27.937	ng/ul	99
37) 1-Methylnaphthalene	12.505	142	678559	17.732	ng/ul	97
43) 1,1'-Biphenyl	13.299	154	189700	4.369	ng/ul	98
50) Acenaphthylene	14.187	152	113135	2.040	ng/ul#	90
52) Acenaphthene	14.528	153	3320591	90.538	ng/ul	99
56) Dibenzofuran	14.863	168	4125597	80.935	ng/ul	98
61) Fluorene	15.516	166	4260906	105.639	ng/ul	99
63) 4-Nitroaniline	15.516	138	46964	5.927	ng/ul#	20
72) Phenanthrene	17.269	178	14928416	249.937	ng/ul	94
74) Anthracene	17.351	178	4285782	71.584	ng/ul	100
77) Carbazole	17.628	167	1428483	29.937	ng/ul	99
82) Pyrene	19.586	202	7844757	82.623	ng/ul#	93
85) Benzo(a)anthracene	21.292	228	2009940	24.209	ng/ul	99
87) Chrysene	21.345	228	1762310	23.050	ng/ul	97
90) Benzo(b)fluoranthene	22.957	252	1146340	12.466	ng/ul	98
91) Benzo(k)fluoranthene	22.957	252	1146340	12.884	ng/ul	99
93) Benzo(a)pyrene	23.569	252	479377	5.705	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.133	276	205270	2.045	ng/ul#	94

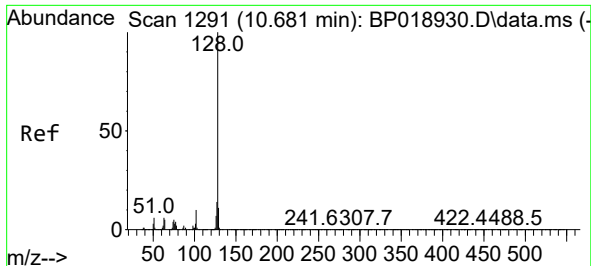
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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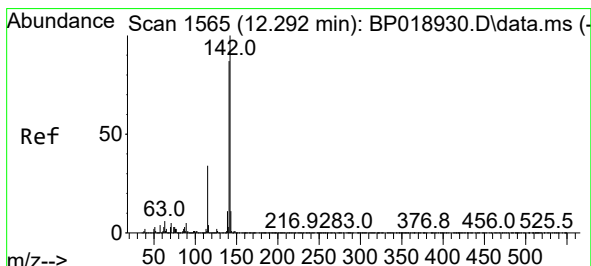
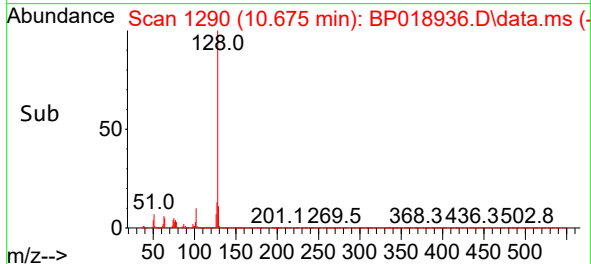
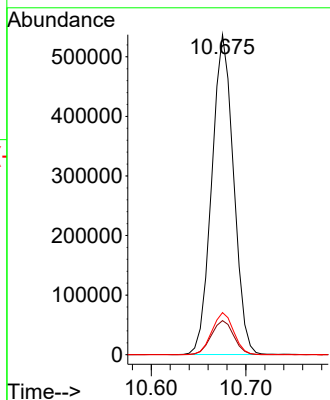
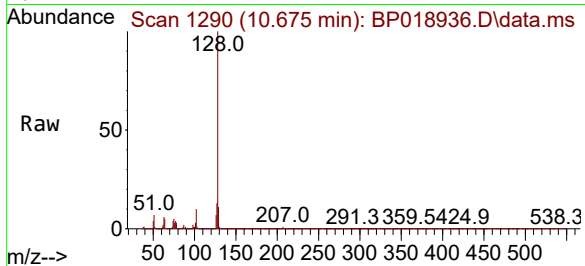




#30
Naphthalene
Concen: 16.092 ng/ul
RT: 10.675 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

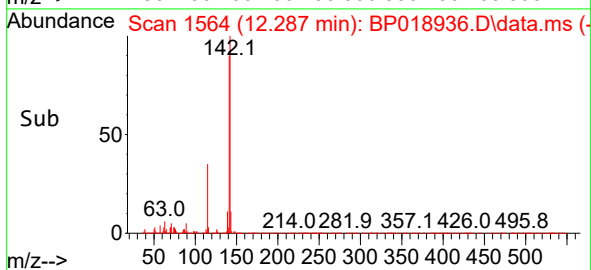
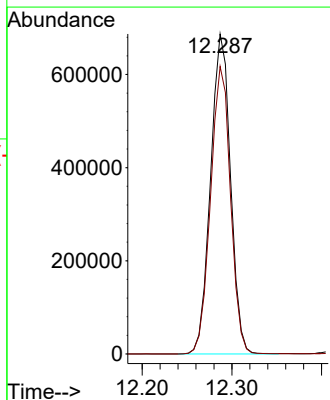
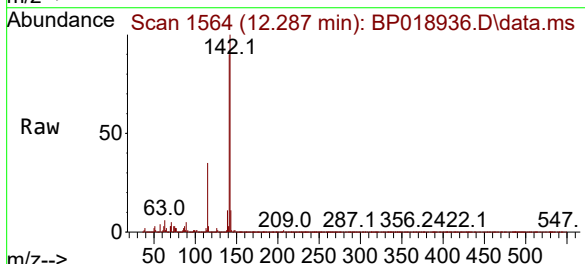
Instrument :
BNA_P
ClientSampleId :
DCLF4DL

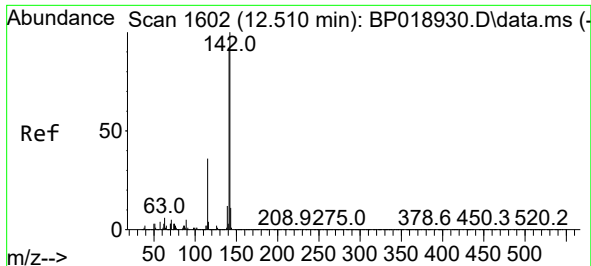
Tgt Ion:128 Resp: 860751
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 13.1 10.5 15.7



#36
2-Methylnaphthalene
Concen: 27.937 ng/ul
RT: 12.287 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

Tgt Ion:142 Resp: 1058624
Ion Ratio Lower Upper
142 100
141 89.8 71.4 107.0





#37

1-Methylnaphthalene

Concen: 17.732 ng/ul

RT: 12.505 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

Instrument :

BNA_P

ClientSampleId :

DCLF4DL

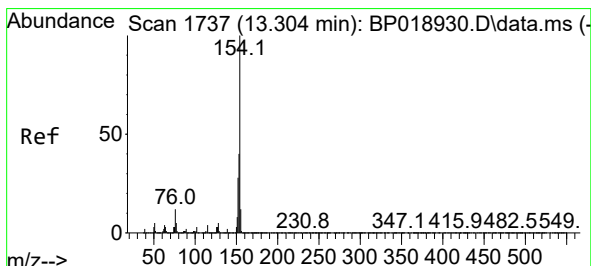
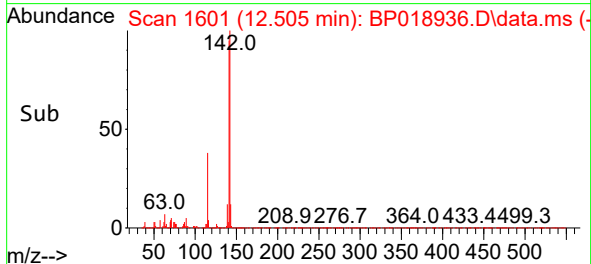
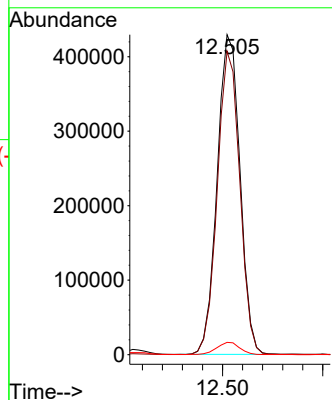
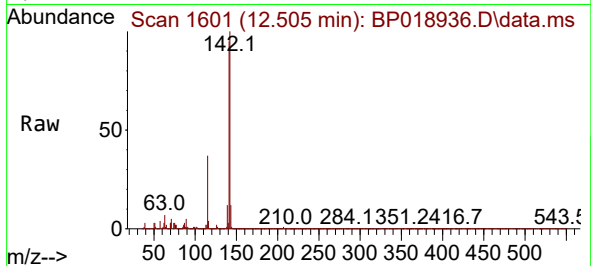
Tgt Ion:142 Resp: 678559

Ion Ratio Lower Upper

142 100

141 94.8 73.5 110.3

116 3.9 2.8 4.2



#43

1,1'-Biphenyl

Concen: 4.369 ng/ul

RT: 13.299 min Scan# 1736

Delta R.T. -0.006 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

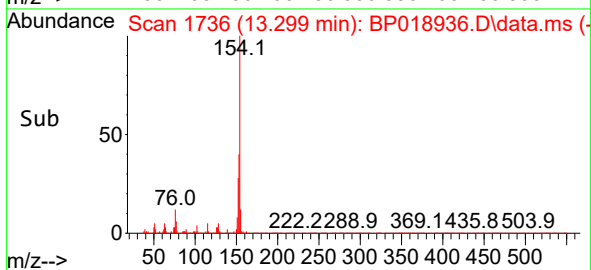
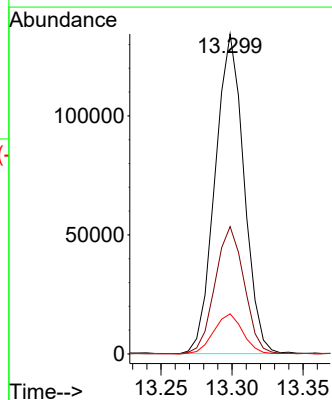
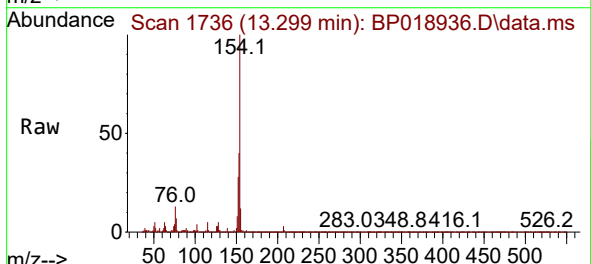
Tgt Ion:154 Resp: 189700

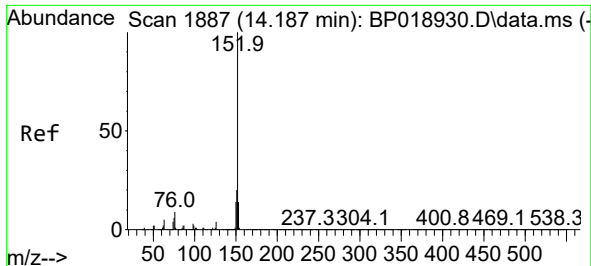
Ion Ratio Lower Upper

154 100

153 39.8 32.8 49.2

76 12.5 10.7 16.1

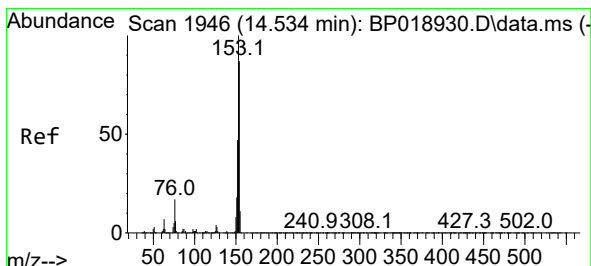
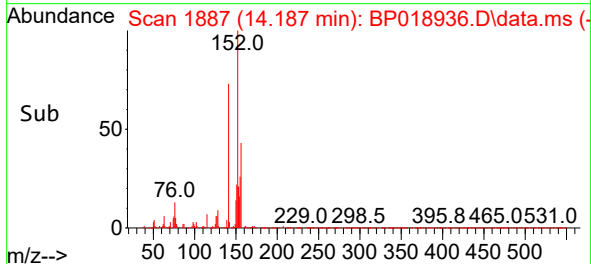
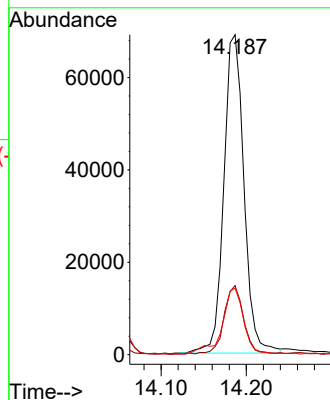
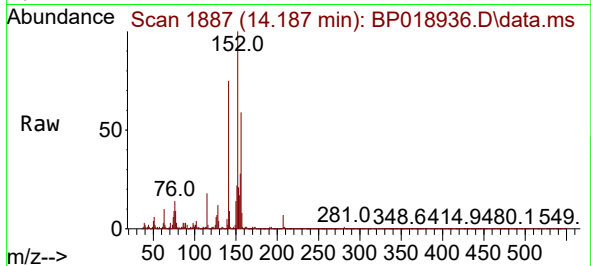




#50
Acenaphthylene
Concen: 2.040 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

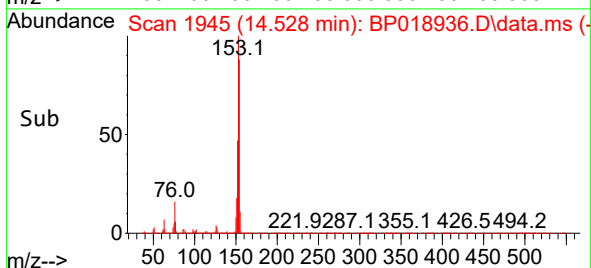
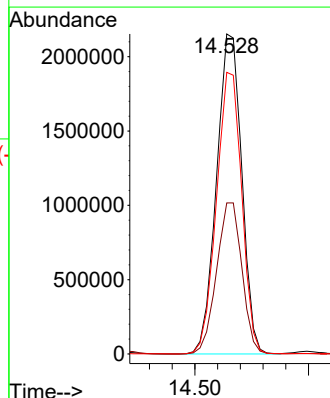
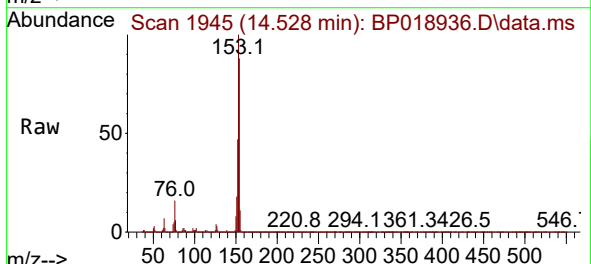
Instrument :
BNA_P
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DCLF4DL

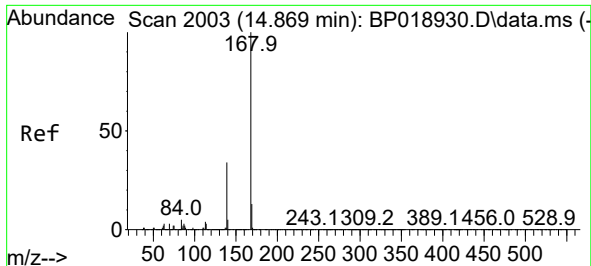
Tgt Ion:152 Resp: 113135
Ion Ratio Lower Upper
152 100
151 21.6 15.9 23.9
153 20.8 10.6 16.0#



#52
Acenaphthene
Concen: 90.538 ng/ul
RT: 14.528 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

Tgt Ion:153 Resp: 3320591
Ion Ratio Lower Upper
153 100
152 47.2 38.1 57.1
154 88.0 71.7 107.5

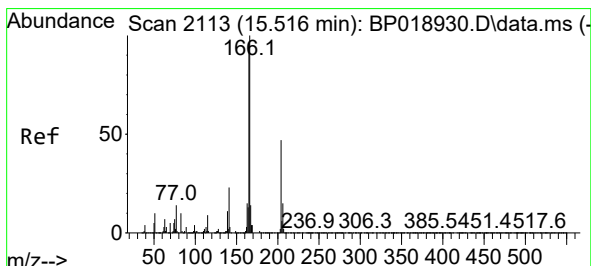
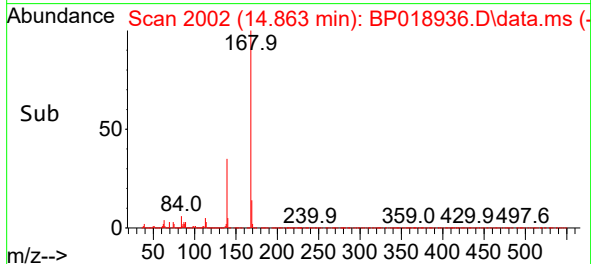
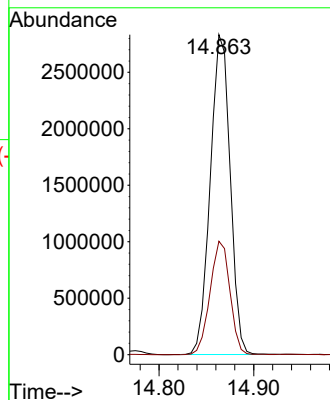
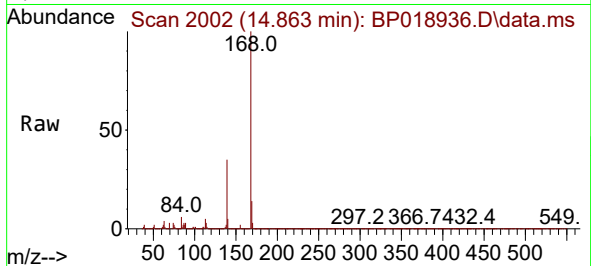




#56
Dibenzenofuran
Concen: 80.935 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

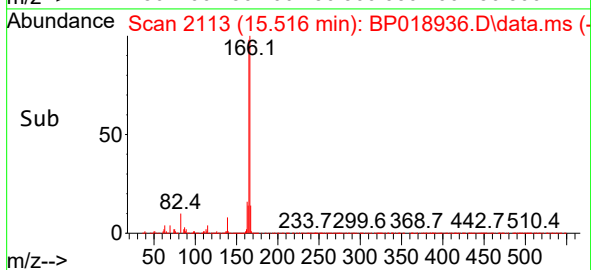
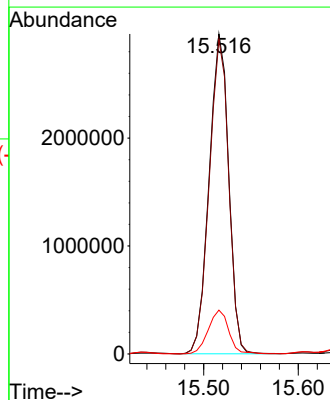
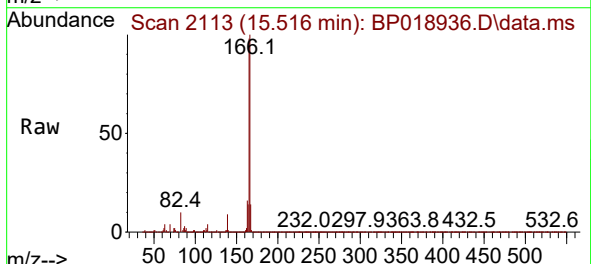
Instrument :
BNA_P
ClientSampleId :
DCLF4DL

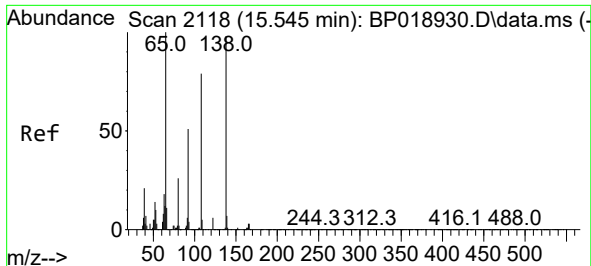
Tgt Ion:168 Resp: 4125597
Ion Ratio Lower Upper
168 100
139 35.5 29.1 43.7



#61
Fluorene
Concen: 105.639 ng/ul
RT: 15.516 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

Tgt Ion:166 Resp: 4260906
Ion Ratio Lower Upper
166 100
165 98.4 78.0 117.0
167 13.7 10.8 16.2

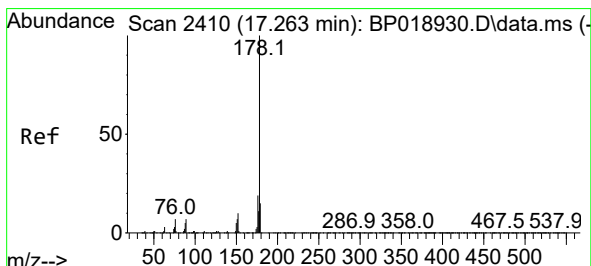
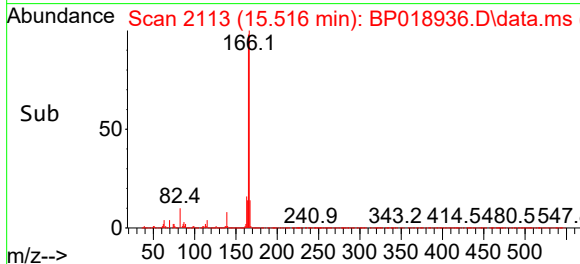
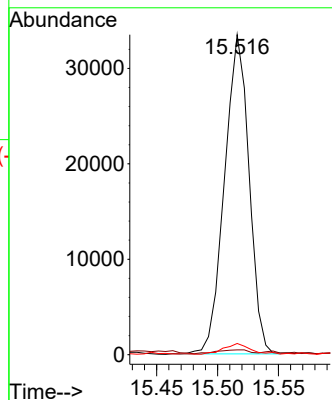
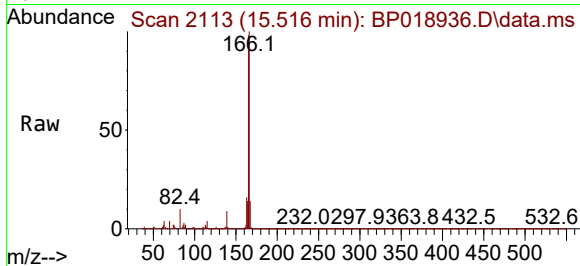




#63
4-Nitroaniline
Concen: 5.927 ng/ul
RT: 15.516 min Scan# 2113
Delta R.T. -0.029 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

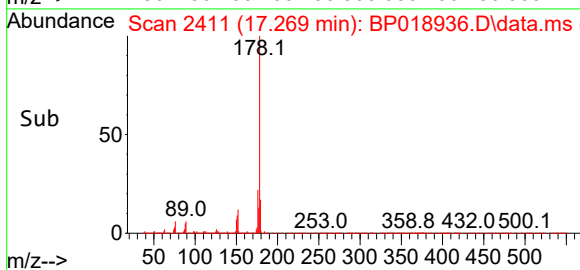
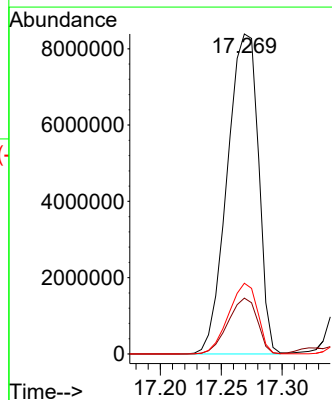
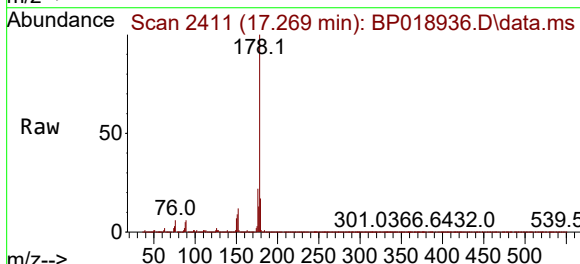
Instrument :
BNA_P
ClientSampleId :
DCLF4DL

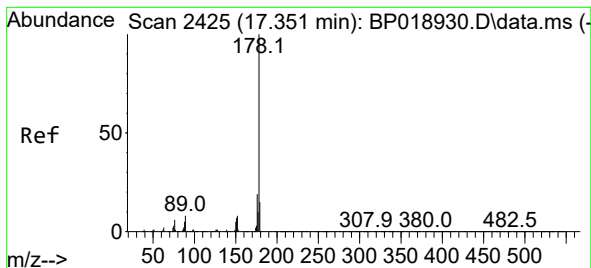
Tgt Ion:138 Resp: 46964
Ion Ratio Lower Upper
138 100
92 1.5 42.3 63.5#
108 3.5 62.0 93.0#



#72
Phenanthrene
Concen: 249.937 ng/ul
RT: 17.269 min Scan# 2411
Delta R.T. 0.006 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

Tgt Ion:178 Resp:14928416
Ion Ratio Lower Upper
178 100
179 17.5 12.3 18.5
176 22.1 15.4 23.2





#74

Anthracene

Concen: 71.584 ng/ul

RT: 17.351 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

Instrument :

BNA_P

ClientSampleId :

DCLF4DL

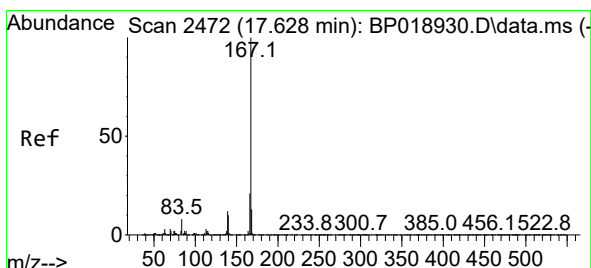
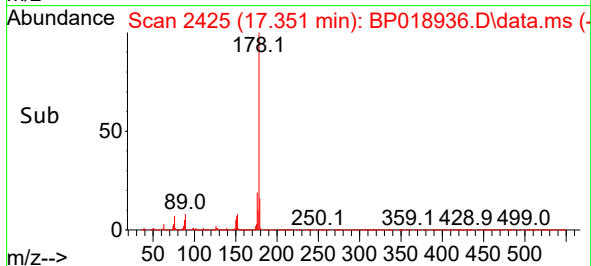
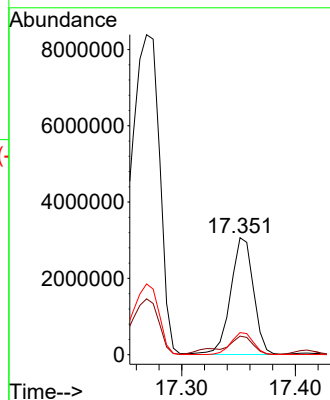
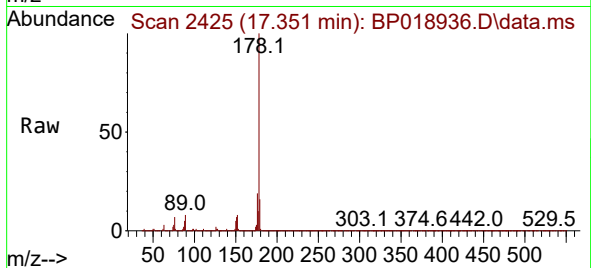
Tgt Ion:178 Resp: 4285782

Ion Ratio Lower Upper

178 100

179 15.8 12.5 18.7

176 18.9 15.0 22.6



#77

Carbazole

Concen: 29.937 ng/ul

RT: 17.628 min Scan# 2472

Delta R.T. 0.000 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

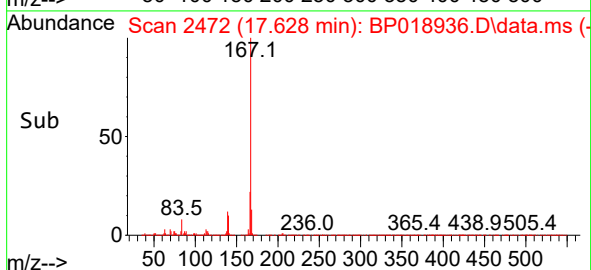
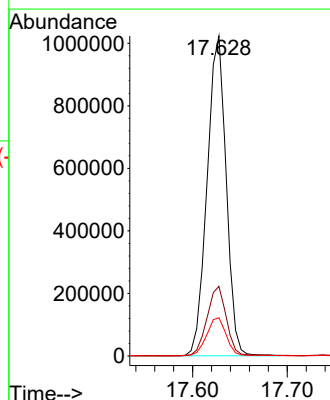
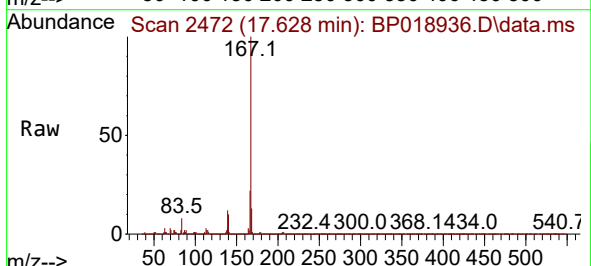
Tgt Ion:167 Resp: 1428483

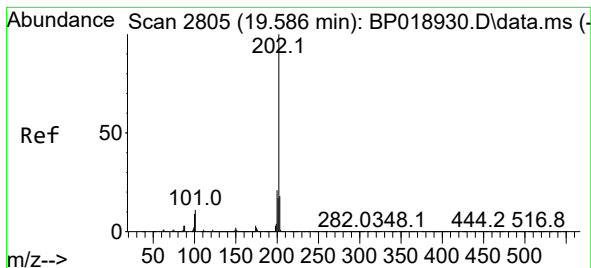
Ion Ratio Lower Upper

167 100

166 21.8 17.1 25.7

139 12.0 10.2 15.4





#82

Pyrene

Concen: 82.623 ng/ul

RT: 19.586 min Scan# 2805

Delta R.T. 0.000 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

Instrument :

BNA_P

ClientSampleId :

DCLF4DL

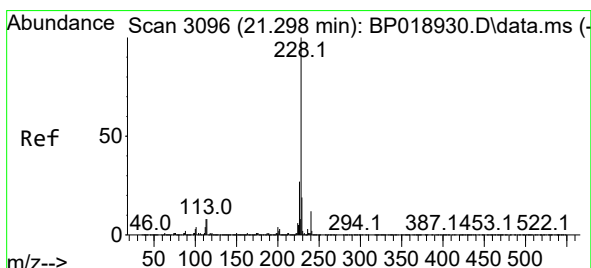
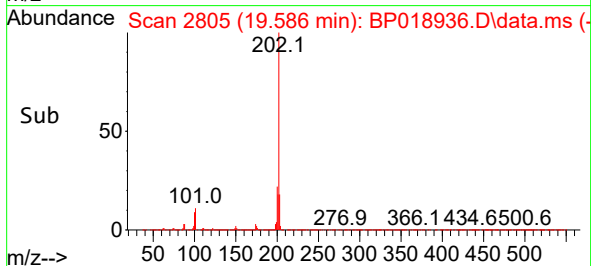
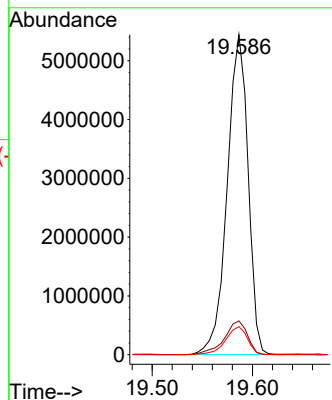
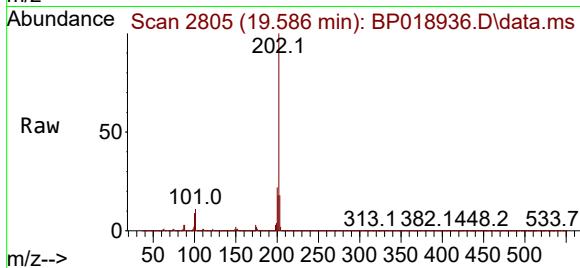
Tgt Ion:202 Resp: 7844757

Ion Ratio Lower Upper

202 100

101 10.6 11.0 16.4#

100 8.8 9.1 13.7#



#85

Benzo(a)anthracene

Concen: 24.209 ng/ul

RT: 21.292 min Scan# 3095

Delta R.T. -0.006 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

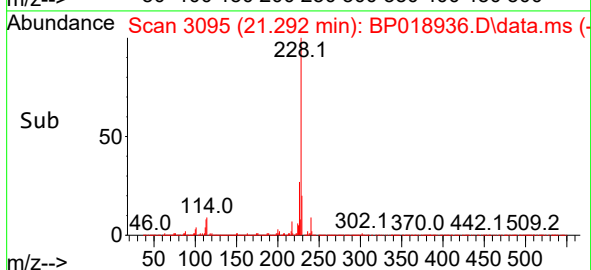
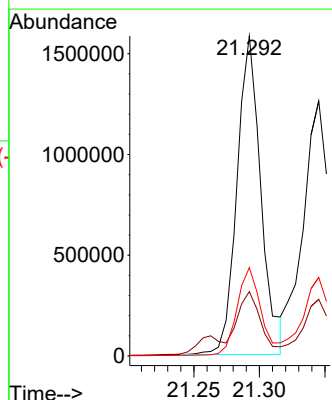
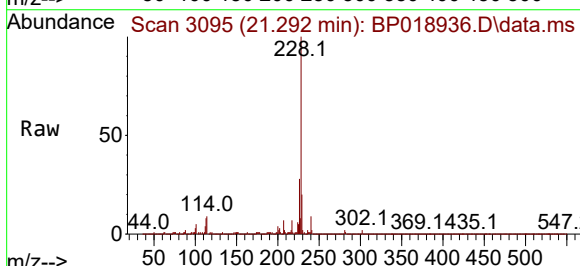
Tgt Ion:228 Resp: 2009940

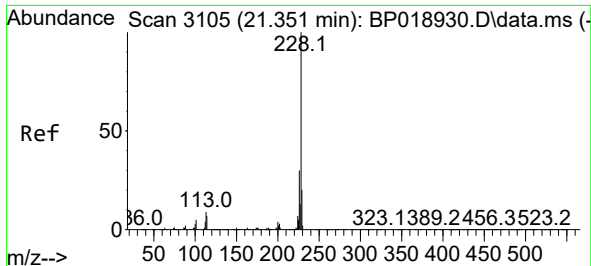
Ion Ratio Lower Upper

228 100

229 20.1 15.7 23.5

226 27.6 21.9 32.9

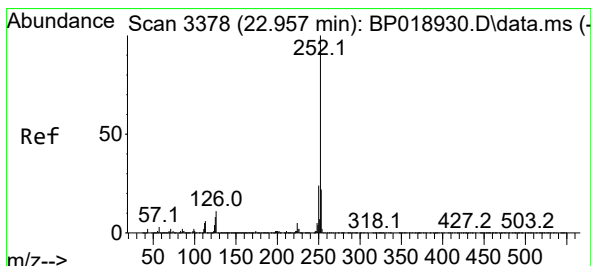
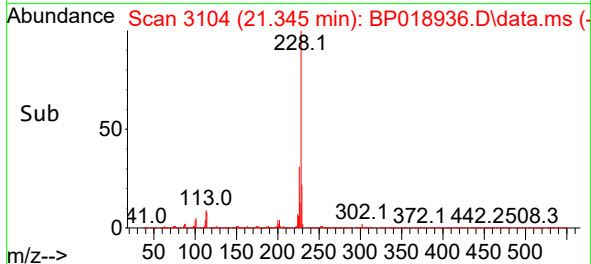
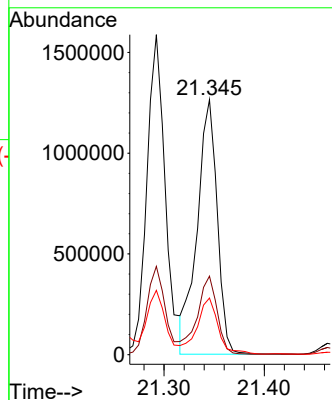
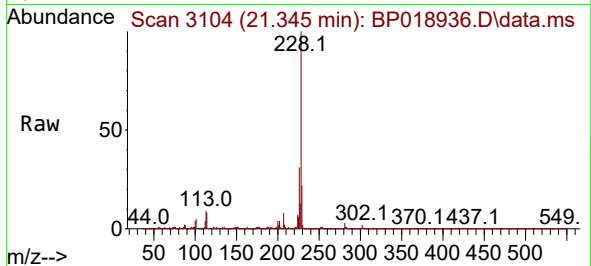




#87
Chrysene
Concen: 23.050 ng/ul
RT: 21.345 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

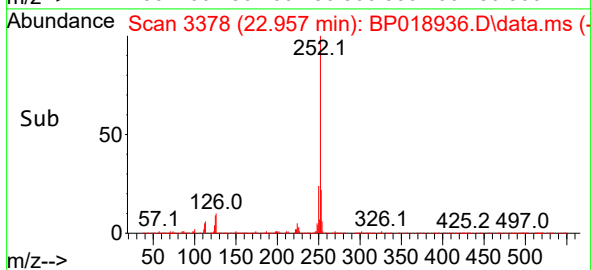
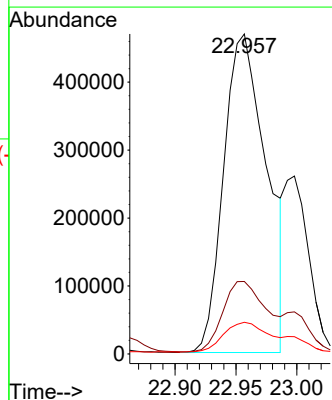
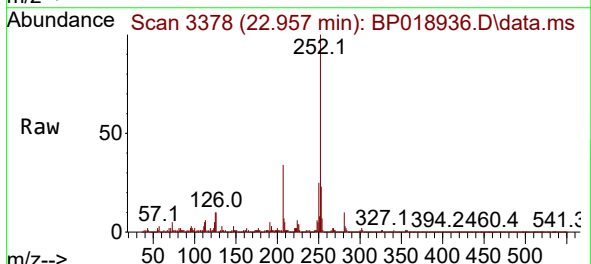
Instrument :
BNA_P
ClientSampleId :
DCLF4DL

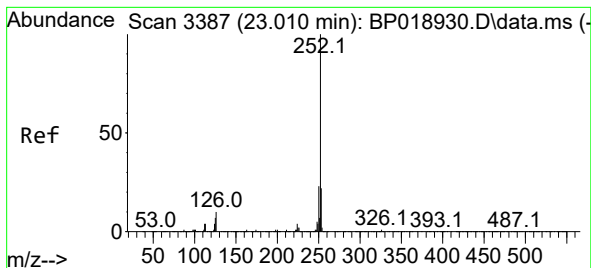
Tgt Ion:228 Resp: 1762310
Ion Ratio Lower Upper
228 100
226 30.8 23.9 35.9
229 22.2 15.6 23.4



#90
Benzo(b)fluoranthene
Concen: 12.466 ng/ul
RT: 22.957 min Scan# 3378
Delta R.T. 0.000 min
Lab File: BP018936.D
Acq: 19 Dec 2023 08:19

Tgt Ion:252 Resp: 1146340
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 9.9 7.8 11.6





#91

Benzo(k)fluoranthene

Concen: 12.884 ng/uI

RT: 22.957 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

Instrument :

BNA_P

ClientSampleId :

DCLF4DL

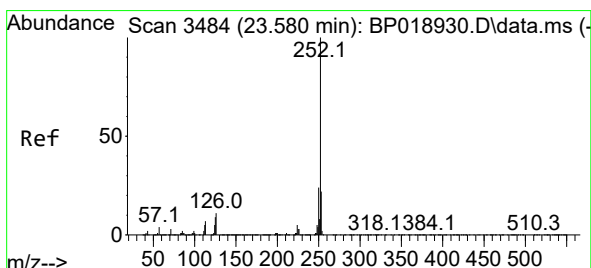
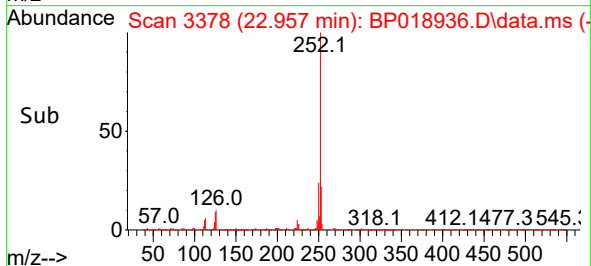
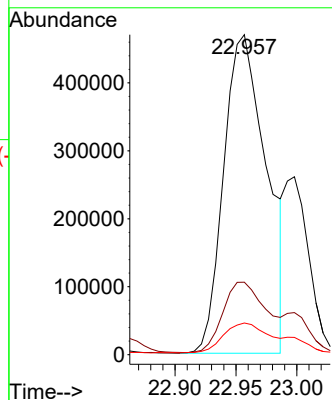
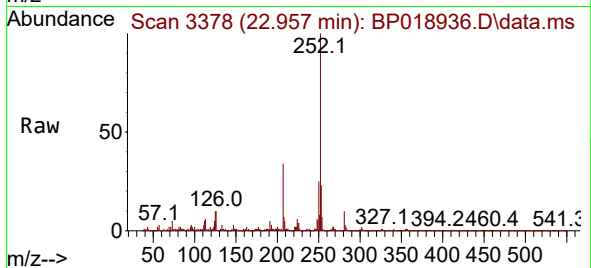
Tgt Ion:252 Resp: 1146340

Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 9.9 8.0 12.0



#93

Benzo(a)pyrene

Concen: 5.705 ng/uI

RT: 23.569 min Scan# 3482

Delta R.T. -0.011 min

Lab File: BP018936.D

Acq: 19 Dec 2023 08:19

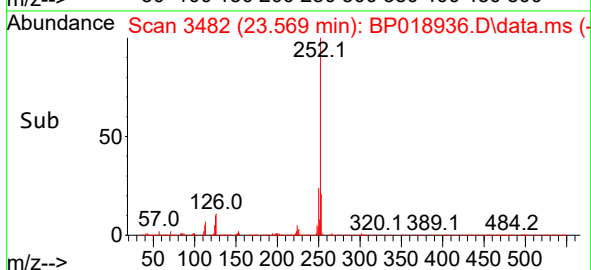
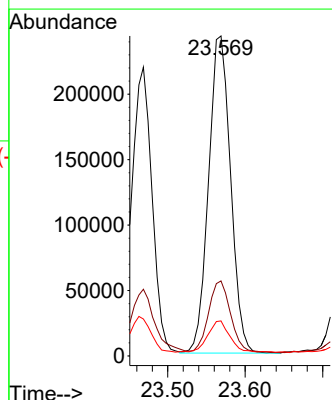
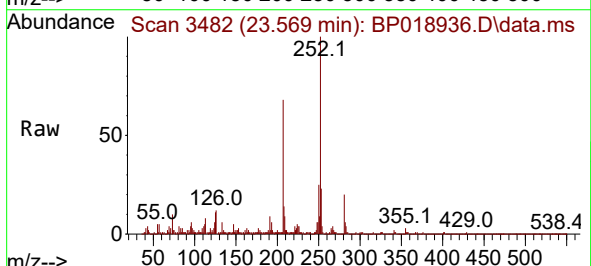
Tgt Ion:252 Resp: 479377

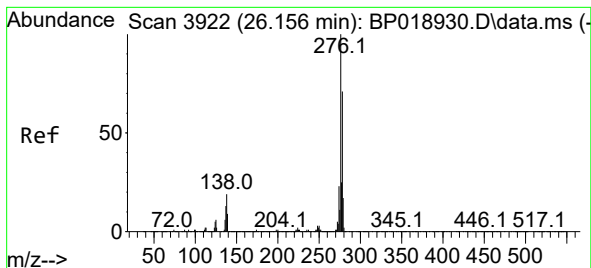
Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 10.9 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.045 ng/ul

RT: 26.133 min Scan# 3918

Delta R.T. -0.023 min

Lab File: BP018936.D

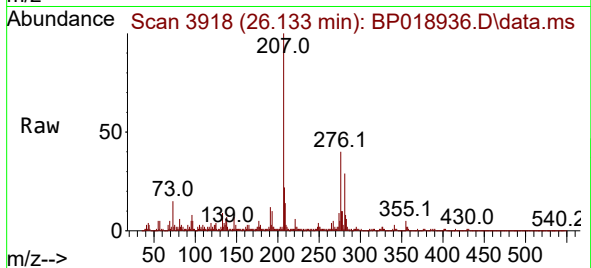
Acq: 19 Dec 2023 08:19

Instrument :

BNA_P

ClientSampleId :

DCLF4DL



Tgt Ion:276 Resp: 205270

Ion Ratio Lower Upper

276 100

138 18.1 19.4 29.2#

277 24.8 19.8 29.6

