

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018937.D
 Acq On : 19 Dec 2023 08:53
 Operator : MA/JU
 Sample : 05626-10DL 10X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF6DL

Quant Time: Dec 19 21:38:19 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	208500	20.000	ng/ul	0.00
20) Naphthalene-d8	10.634	136	738482	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.469	164	506152	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.233	188	888742	20.000	ng/ul	0.02
79) Chrysene-d12	21.321	240	939396	20.000	ng/ul	# 0.00
88) Perylene-d12	23.686	264	1242109	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	2348	0.384	ng/uL	0.00
4) Pyridine-d5	3.687	84	21265	1.298	ng/ul	0.00
7) Phenol-d5	7.010	99	48036	2.296	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	28032	2.260	ng/ul	0.00
11) 2-Chlorophenol-d4	7.363	132	39015	2.390	ng/ul	0.00
15) 4-Methylphenol-d8	8.552	113	36490	2.155	ng/ul	0.00
21) Nitrobenzene-d5	8.993	128	20085	3.056	ng/ul	0.00
24) 2-Nitrophenol-d4	9.716	143	17177	2.521	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.257	165	36194	2.598	ng/ul	0.00
31) 4-Chloroaniline-d4	10.781	131	44384	2.437	ng/ul	0.00
46) Dimethylphthalate-d6	13.892	166	127138	2.814	ng/ul	0.01
49) Acenaphthylene-d8	14.157	160	120505	2.423	ng/ul	0.00
54) 4-Nitrophenol-d4	14.704	143	19713	2.658	ng/ul	0.02
60) Fluorene-d10	15.463	176	100426	2.648	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.592	200	329	0.062	ng/ul	0.00
73) Anthracene-d10	17.233	188	888742	19.022	ng/ul	-0.08
81) Pyrene-d10	19.569	212	173807	2.377	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.527	264	202385	2.794	ng/ul	0.00
Target Compounds						
						Qvalue
10) Bis(2-Chloroethyl)ether	7.263	93	31747	1.884	ng/ul#	28
16) Acetophenone	8.657	105	107507	4.260	ng/ul	99
32) 4-Chloroaniline	10.710	127	4492894	258.866	ng/ul#	15
36) 2-Methylnaphthalene	12.316	142	16148278	508.807	ng/ul	100
37) 1-Methylnaphthalene	12.522	142	9268882	289.190	ng/ul	99
43) 1,1'-Biphenyl	13.310	154	8375349	191.327	ng/ul#	98
45) 2-Nitroaniline	13.498	65	38327	4.089	ng/ul#	30
50) Acenaphthylene	14.192	152	999773	17.876	ng/ul#	88
52) Acenaphthene	14.569	153	22831552	617.430	ng/ul	98
56) Dibenzofuran	14.781	168	742786	14.453	ng/ul#	53
57) 2,4-Dinitrotoluene	14.834	165	58137	4.919	ng/ul#	38
61) Fluorene	15.551	166	23872879	587.033	ng/ul	99
63) 4-Nitroaniline	15.551	138	301011	37.676	ng/ul#	20
67) N-Nitrosodiphenylamine	15.733	169	140736	4.779	ng/ul#	1
72) Phenanthrene	17.386	178	14582076	271.669	ng/ul#	93
74) Anthracene	17.386	178	14582076	271.026	ng/ul#	93
77) Carbazole	17.645	167	9142110	213.198	ng/ul	98
80) Fluoranthene	19.386	202	160917	1.862	ng/ul	97
82) Pyrene	19.657	202	110645	1.269	ng/ul#	83
85) Benzo(a)anthracene	21.304	228	13805882	181.062	ng/ul	95
87) Chrysene	21.304	228	13956265	198.759	ng/ul	98
90) Benzo(b)fluoranthene	22.968	252	8588173	93.776	ng/ul	96
91) Benzo(k)fluoranthene	23.010	252	2792617	31.515	ng/ul	97
93) Benzo(a)pyrene	23.480	252	3092152	36.952	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
Data File : BP018937.D
Acq On : 19 Dec 2023 08:53
Operator : MA/JU
Sample : 05626-10DL 10X
Misc :
ALS Vial : 41 Sample Multiplier: 1

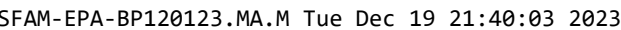
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

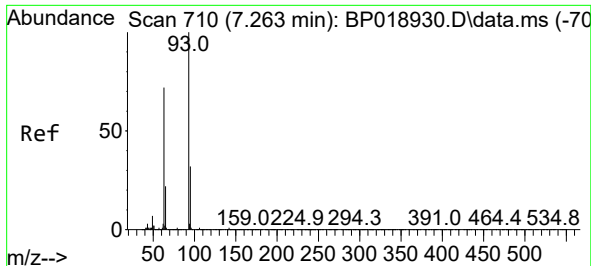
Quant Time: Dec 19 21:38:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 19 05:28:03 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Indeno(1,2,3-cd)pyrene	26.145	276	1646639	16.469	ng/ul#	93
95) Dibenzo(a,h)anthracene	26.145	278	452623	5.442	ng/ul#	78
96) Benzo(g,h,i)perylene	26.903	276	692699	8.609	ng/ul#	93

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

Quant Time: Dec 19 21:38:19 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

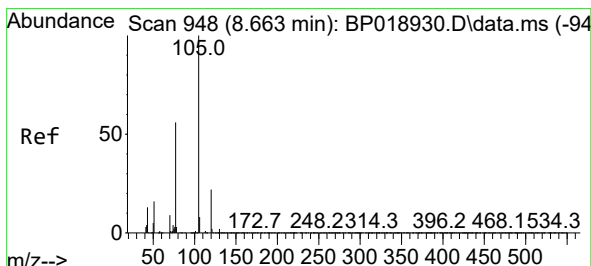
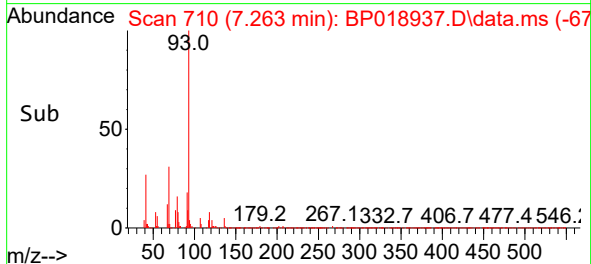
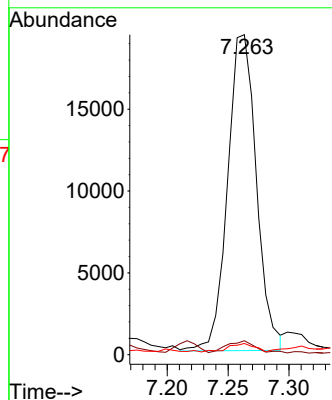
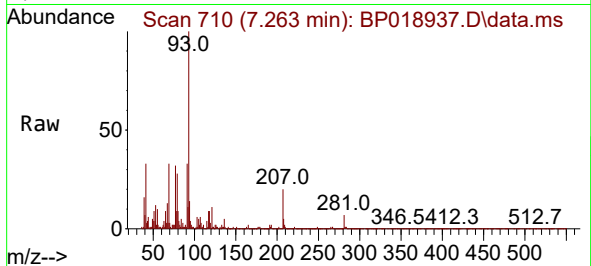




#10
Bis(2-Chloroethyl)ether
Concen: 1.884 ng/ul
RT: 7.263 min Scan# 710
Delta R.T. 0.000 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

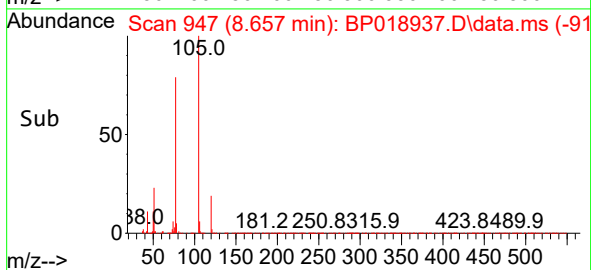
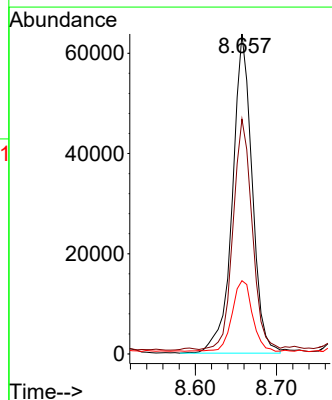
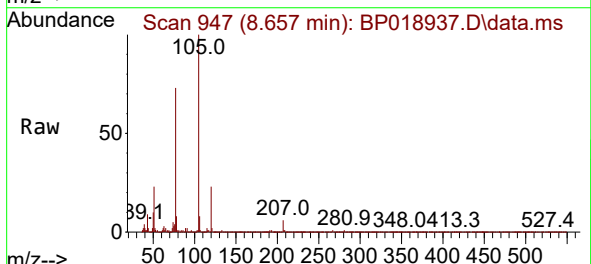
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

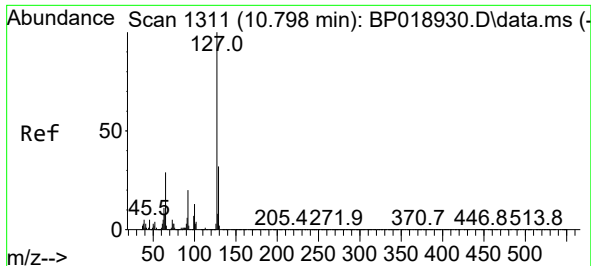
Tgt Ion: 93 Resp: 31747
Ion Ratio Lower Upper
93 100
63 4.4 58.3 87.5#
95 3.5 25.9 38.9#



#16
Acetophenone
Concen: 4.260 ng/ul
RT: 8.657 min Scan# 947
Delta R.T. -0.006 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion: 105 Resp: 107507
Ion Ratio Lower Upper
105 100
77 73.4 59.4 89.0
51 22.9 19.4 29.0

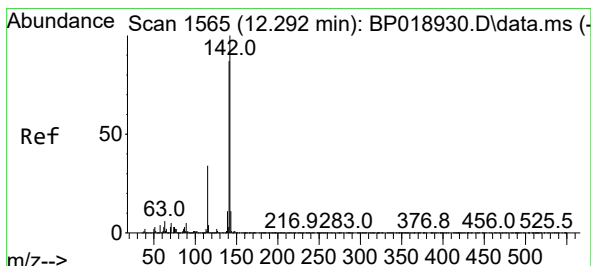
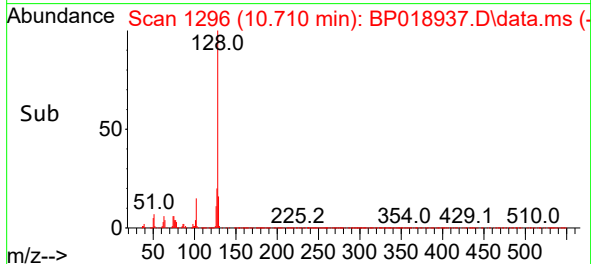
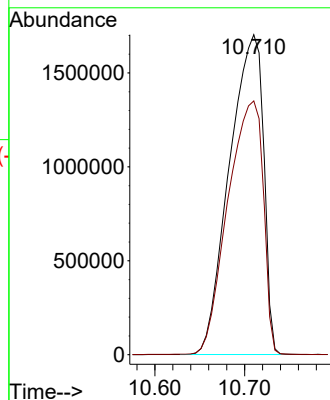
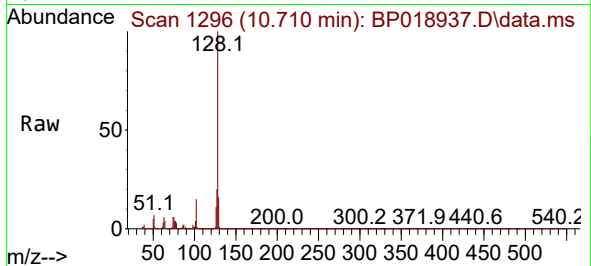




#32
4-Chloroaniline
Concen: 258.866 ng/ul
RT: 10.710 min Scan# 1296
Delta R.T. -0.088 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

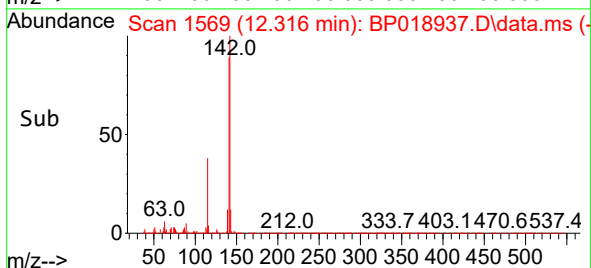
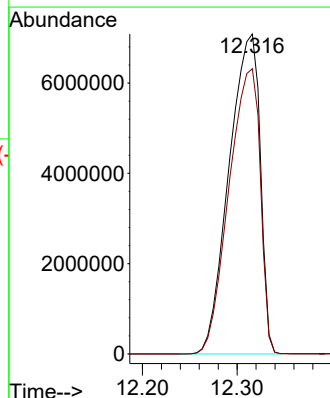
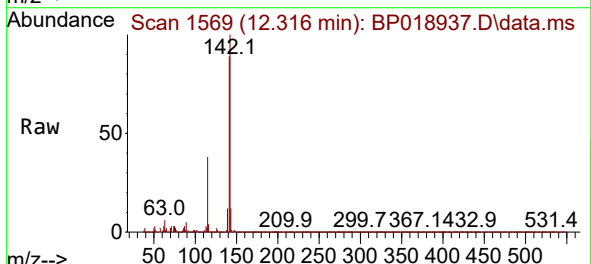
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

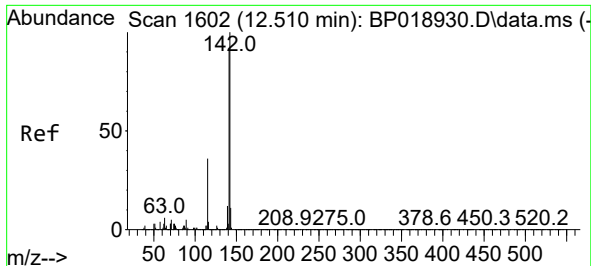
Tgt Ion:127 Resp: 4492894
Ion Ratio Lower Upper
127 100
129 79.3 25.6 38.4#



#36
2-Methylnaphthalene
Concen: 508.807 ng/ul
RT: 12.316 min Scan# 1569
Delta R.T. 0.024 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:142 Resp:16148278
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.0





#37

1-Methylnaphthalene

Concen: 289.190 ng/ul

RT: 12.522 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Instrument :

BNA_P

ClientSampleId :

DCLF6DL

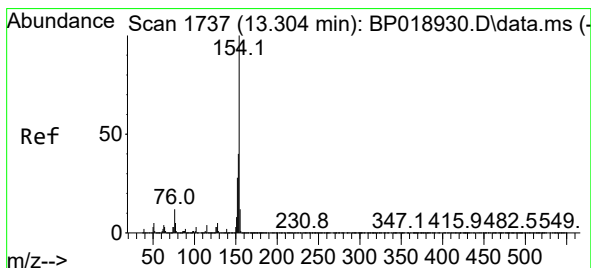
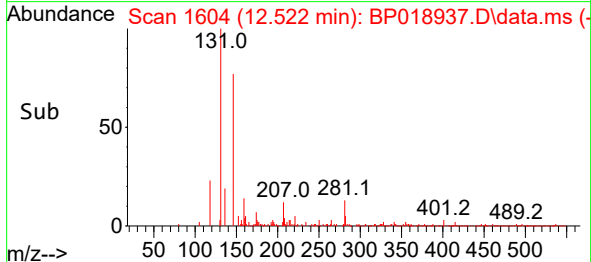
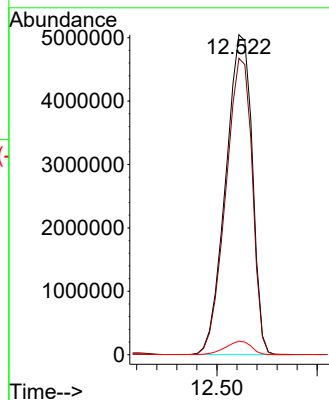
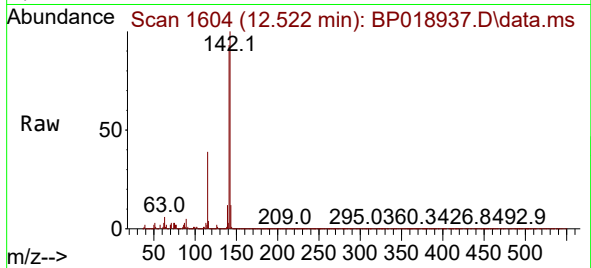
Tgt Ion:142 Resp: 9268882

Ion Ratio Lower Upper

142 100

141 92.6 73.5 110.3

116 4.2 2.8 4.2



#43

1,1'-Biphenyl

Concen: 191.327 ng/ul

RT: 13.310 min Scan# 1738

Delta R.T. 0.006 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

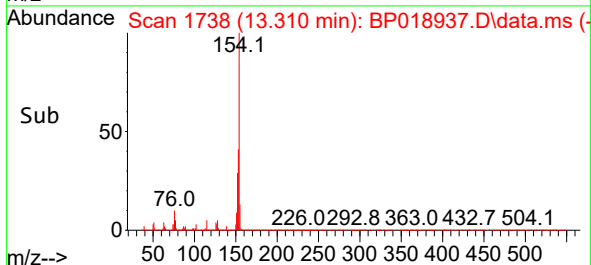
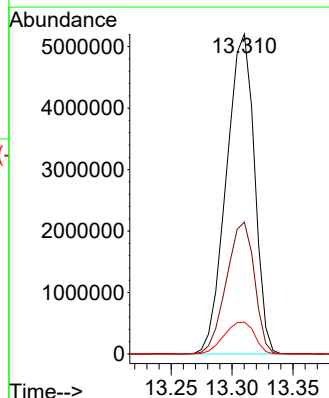
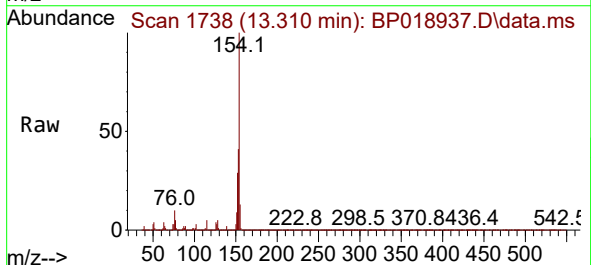
Tgt Ion:154 Resp: 8375349

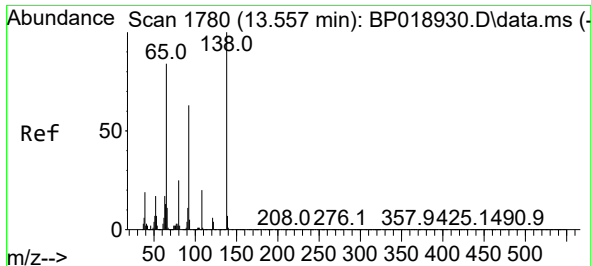
Ion Ratio Lower Upper

154 100

153 41.2 32.8 49.2

76 10.0 10.7 16.1#

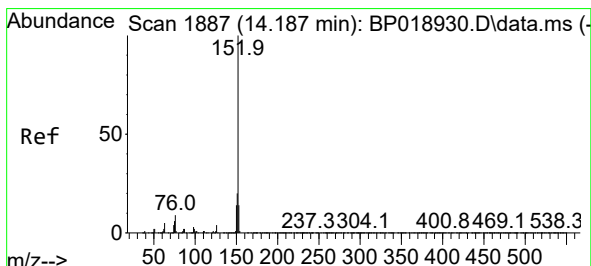
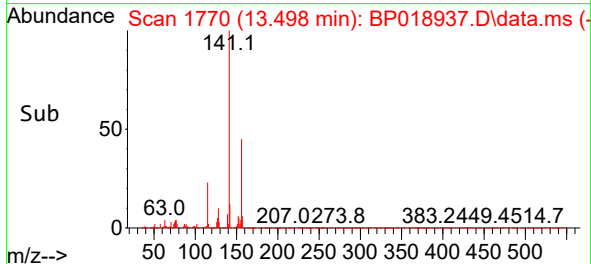
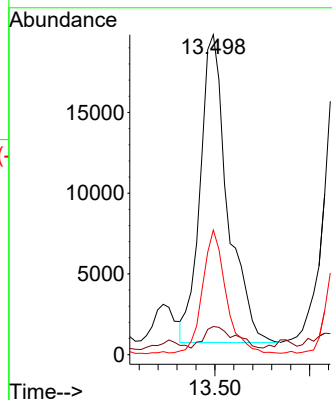
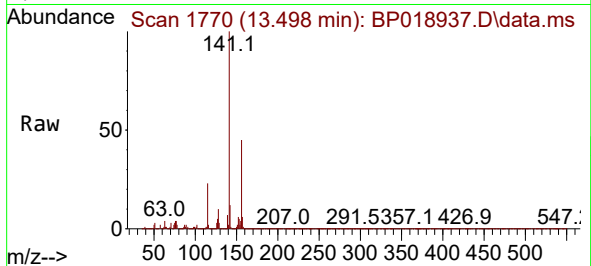




#45
2-Nitroaniline
Concen: 4.089 ng/ul
RT: 13.498 min Scan# 1770
Delta R.T. -0.059 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

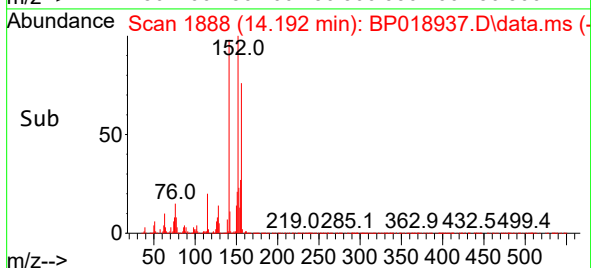
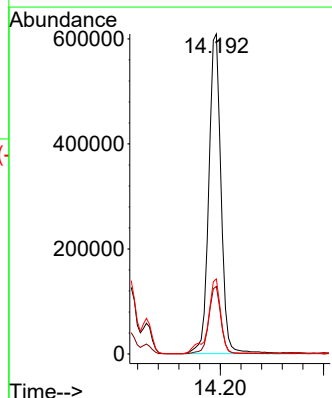
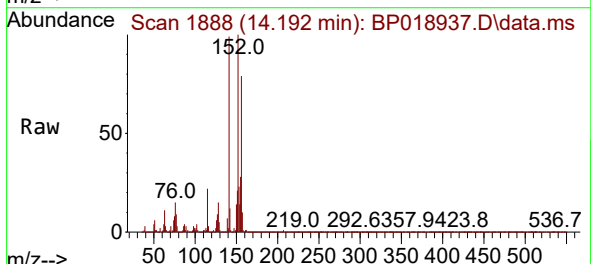
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

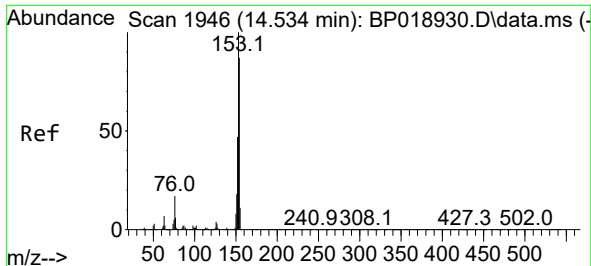
Tgt Ion: 65 Resp: 38327
Ion Ratio Lower Upper
65 100
92 8.8 56.9 85.3#
138 39.0 88.2 132.2#



#50
Acenaphthylene
Concen: 17.876 ng/ul
RT: 14.192 min Scan# 1888
Delta R.T. 0.006 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

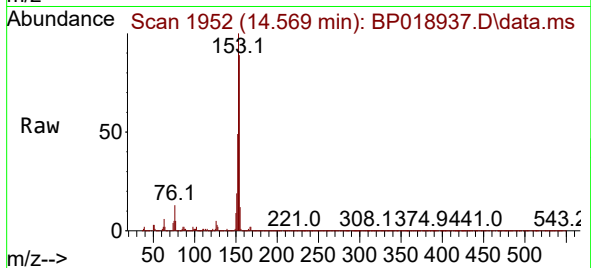
Tgt Ion: 152 Resp: 999773
Ion Ratio Lower Upper
152 100
151 21.1 15.9 23.9
153 23.4 10.6 16.0#



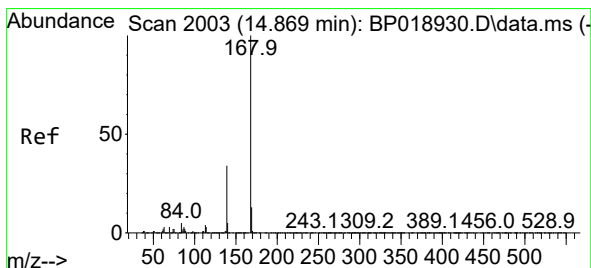
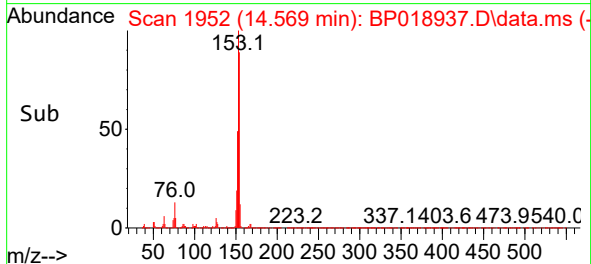
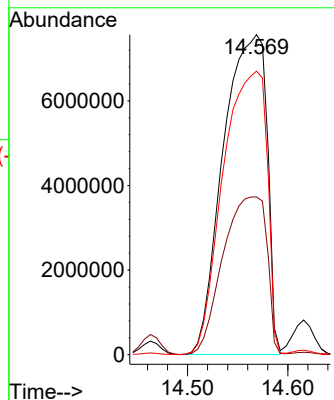


#52
Acenaphthene
Concen: 617.430 ng/ul
RT: 14.569 min Scan# 1952
Delta R.T. 0.035 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Instrument :
BNA_P
ClientSampleId :
DCLF6DL

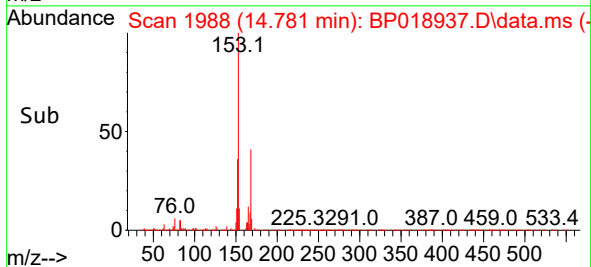
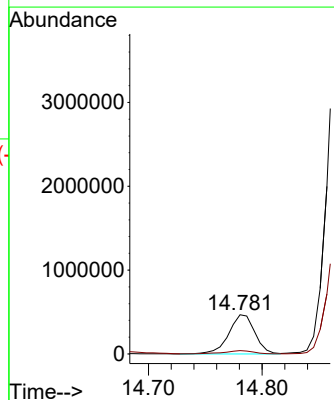
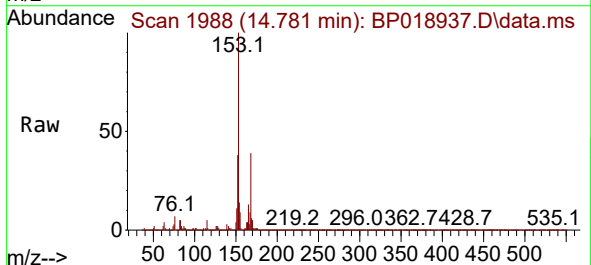


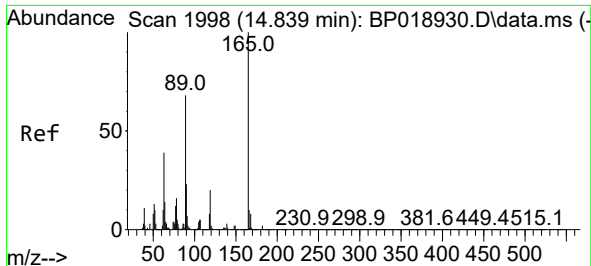
Tgt Ion:153 Resp:22831552
Ion Ratio Lower Upper
153 100
152 49.3 38.1 57.1
154 88.6 71.7 107.5



#56
Dibenzofuran
Concen: 14.453 ng/ul
RT: 14.781 min Scan# 1988
Delta R.T. -0.088 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:168 Resp: 742786
Ion Ratio Lower Upper
168 100
139 8.5 29.1 43.7#

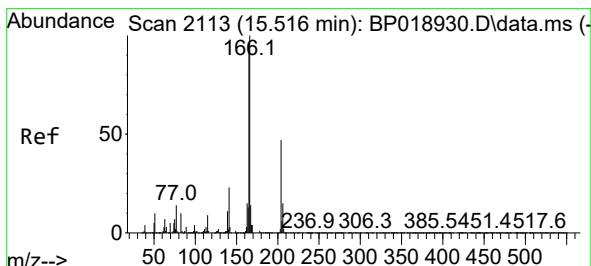
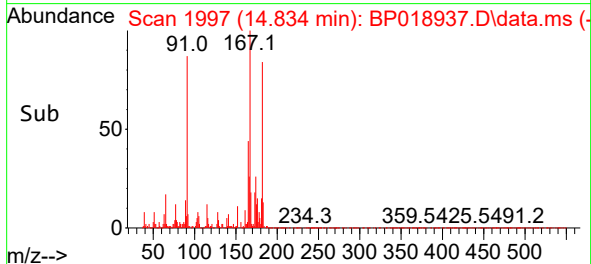
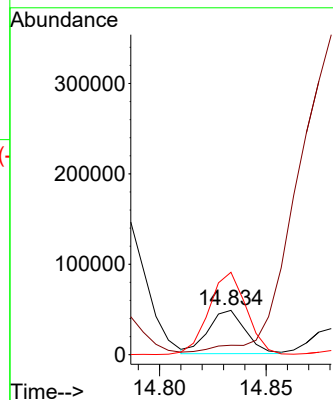
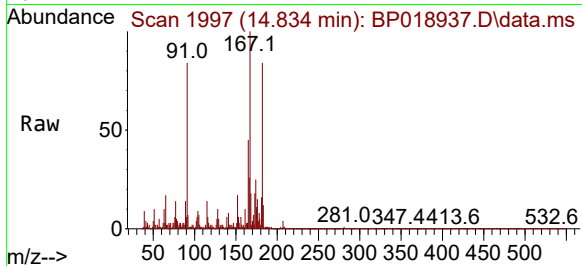




#57
2,4-Dinitrotoluene
Concen: 4.919 ng/ul
RT: 14.834 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

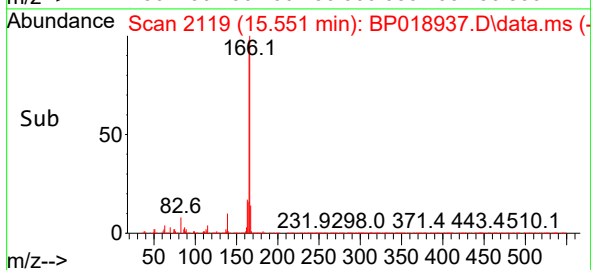
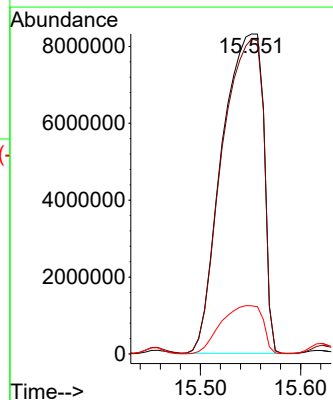
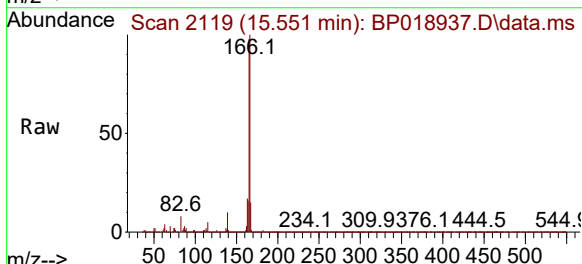
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

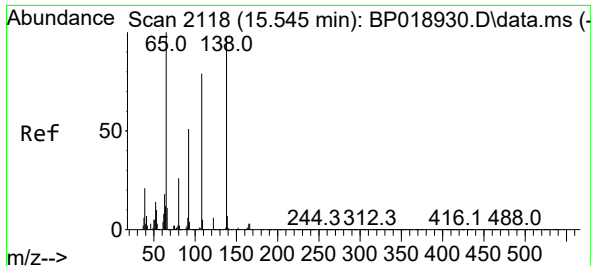
Tgt Ion:165 Resp: 58137
Ion Ratio Lower Upper
165 100
63 21.2 32.7 49.1#
182 185.7 2.1 3.1#



#61
Fluorene
Concen: 587.033 ng/ul
RT: 15.551 min Scan# 2119
Delta R.T. 0.035 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:166 Resp:23872879
Ion Ratio Lower Upper
166 100
165 98.4 78.0 117.0
167 15.0 10.8 16.2

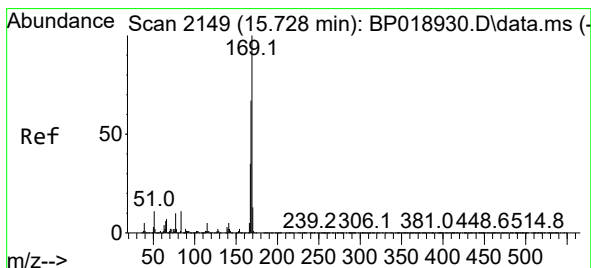
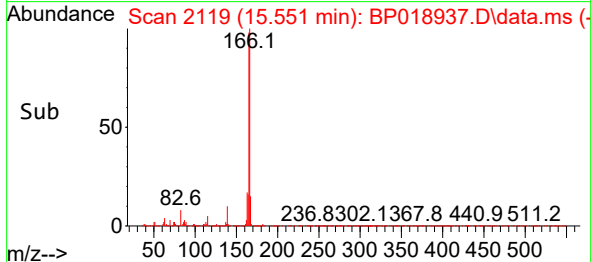
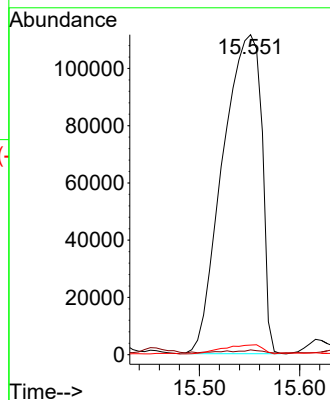
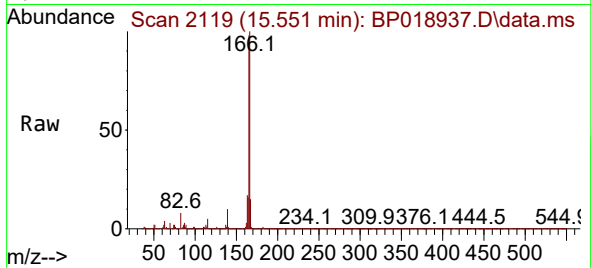




#63
4-Nitroaniline
Concen: 37.676 ng/ul
RT: 15.551 min Scan# 2118
Delta R.T. 0.006 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

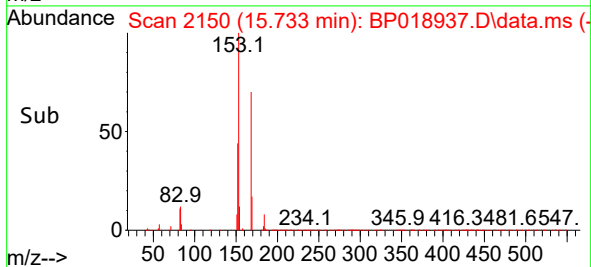
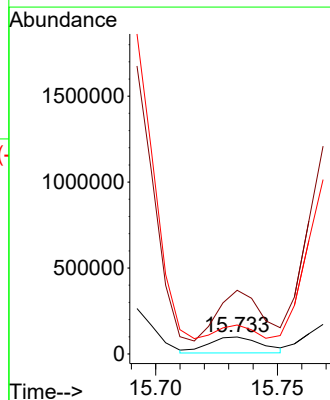
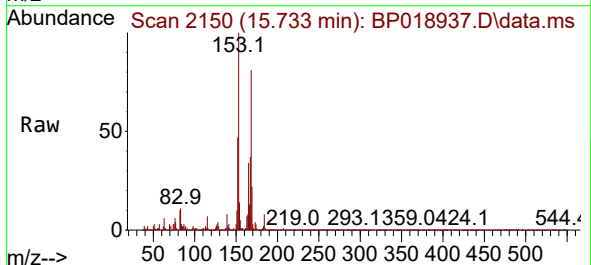
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

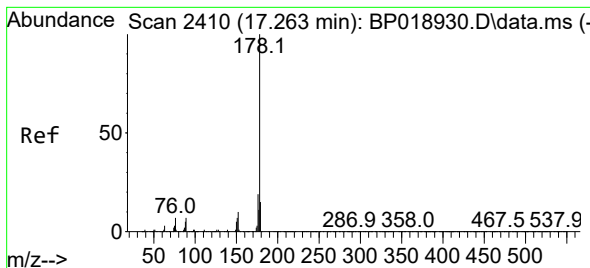
Tgt Ion:138 Resp: 301011
Ion Ratio Lower Upper
138 100
92 1.5 42.3 63.5#
108 3.0 62.0 93.0#



#67
N-Nitrosodiphenylamine
Concen: 4.779 ng/ul
RT: 15.733 min Scan# 2150
Delta R.T. 0.006 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:169 Resp: 140736
Ion Ratio Lower Upper
169 100
168 374.1 53.1 79.7#
167 169.9 29.1 43.7#





#72

Phenanthrene

Concen: 271.669 ng/uI

RT: 17.386 min Scan# 2410

Delta R.T. 0.124 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Instrument :

BNA_P

ClientSampleId :

DCLF6DL

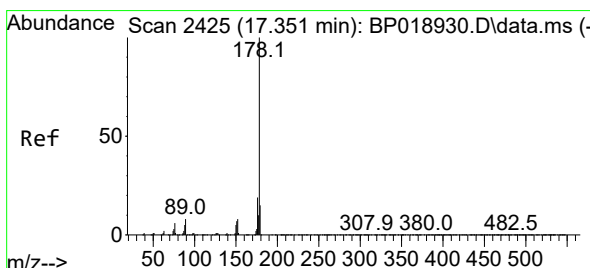
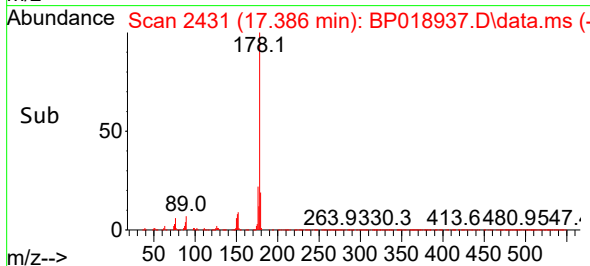
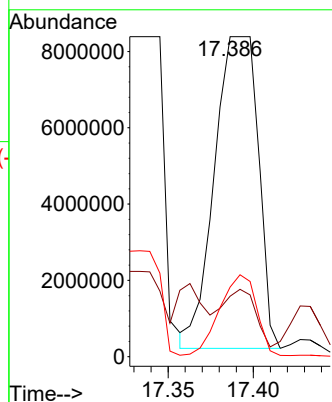
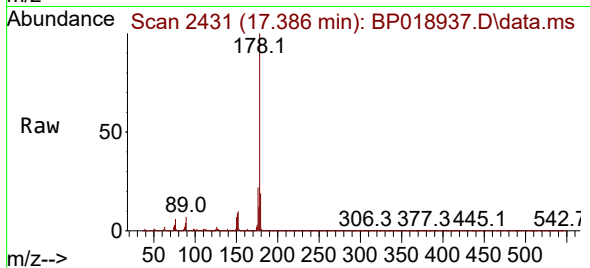
Tgt Ion:178 Resp:14582076

Ion Ratio Lower Upper

178 100

179 18.9 12.3 18.5#

176 21.8 15.4 23.2



#74

Anthracene

Concen: 271.026 ng/uI

RT: 17.386 min Scan# 2431

Delta R.T. 0.035 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

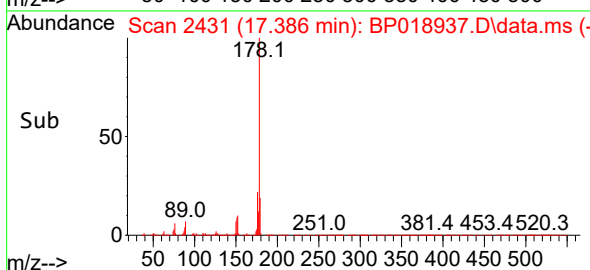
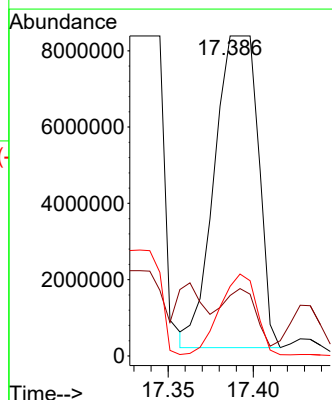
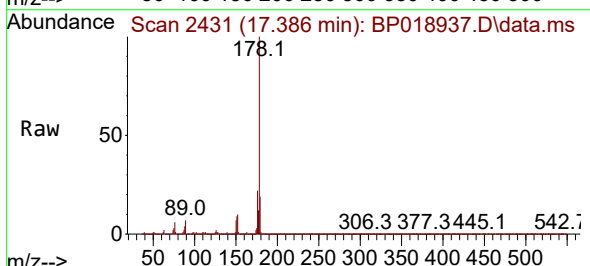
Tgt Ion:178 Resp:14582076

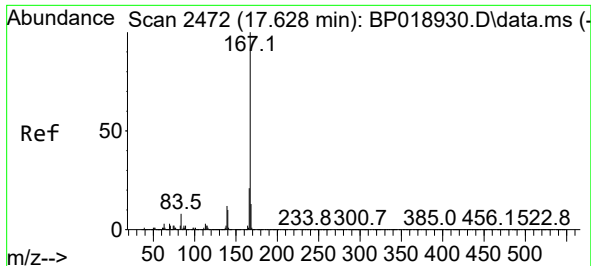
Ion Ratio Lower Upper

178 100

179 18.9 12.5 18.7#

176 21.8 15.0 22.6

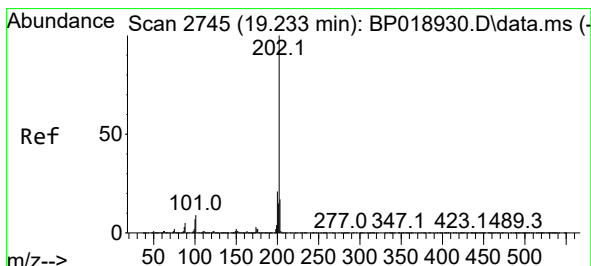
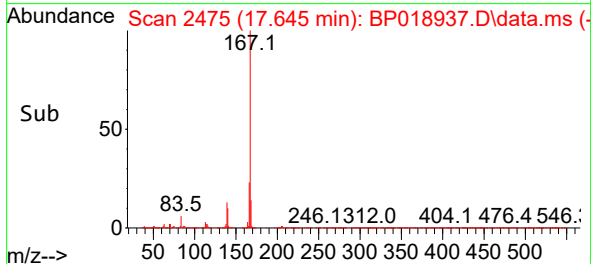
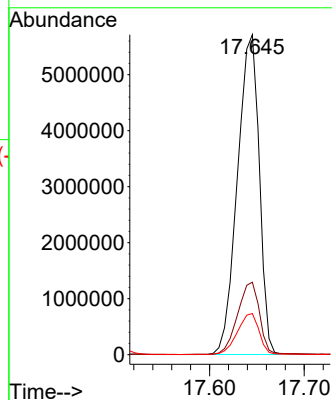
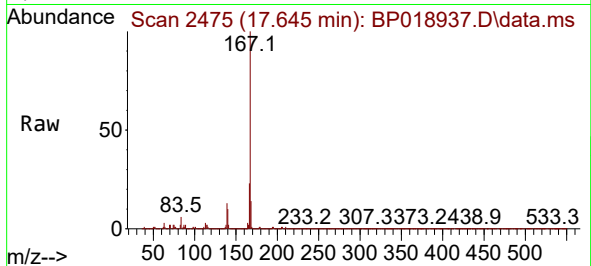




#77
 Carbazole
 Concen: 213.198 ng/ul
 RT: 17.645 min Scan# 2472
 Delta R.T. 0.018 min
 Lab File: BP018937.D
 Acq: 19 Dec 2023 08:53

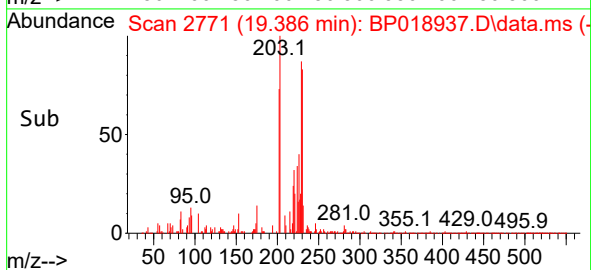
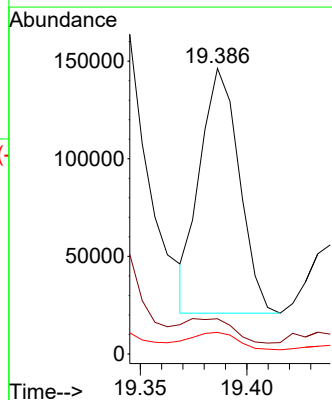
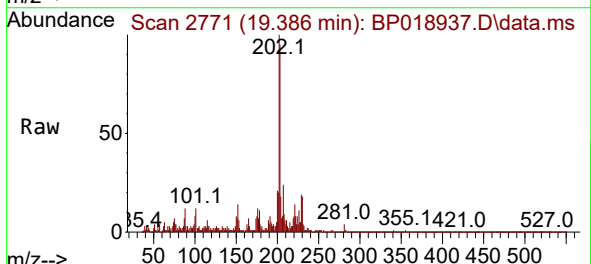
Instrument :
 BNA_P
 ClientSampleId :
 DCLF6DL

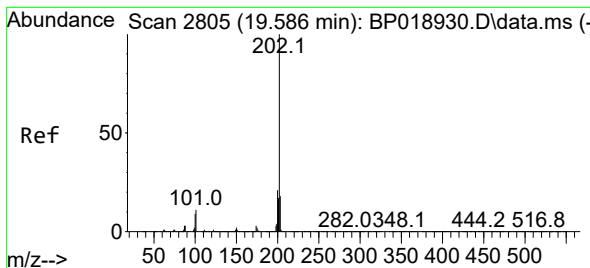
Tgt Ion:167 Resp: 9142110
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.1 25.7
 139 12.9 10.2 15.4



#80
 Fluoranthene
 Concen: 1.862 ng/ul
 RT: 19.386 min Scan# 2771
 Delta R.T. 0.153 min
 Lab File: BP018937.D
 Acq: 19 Dec 2023 08:53

Tgt Ion:202 Resp: 160917
 Ion Ratio Lower Upper
 202 100
 101 12.3 9.1 13.7
 100 7.6 7.1 10.7





#82

Pyrene

Concen: 1.269 ng/ul

RT: 19.657 min Scan# 21

Delta R.T. 0.071 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Instrument :

BNA_P

ClientSampleId :

DCLF6DL

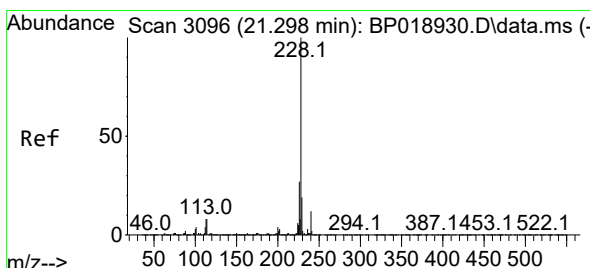
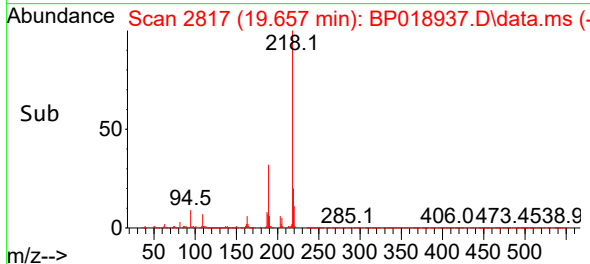
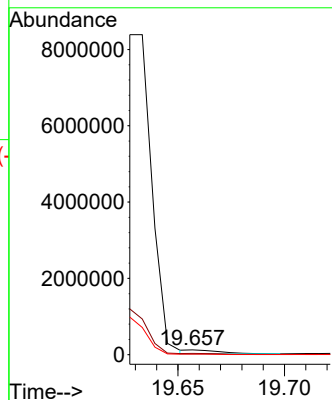
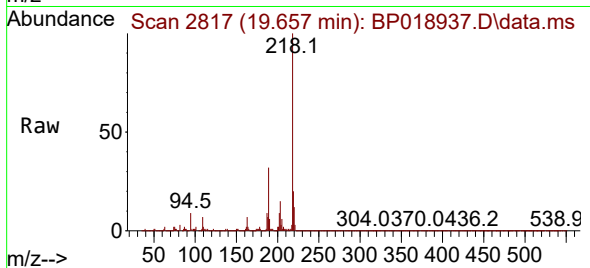
Tgt Ion:202 Resp: 110645

Ion Ratio Lower Upper

202 100

101 25.9 11.0 16.4#

100 11.0 9.1 13.7



#85

Benzo(a)anthracene

Concen: 181.062 ng/ul

RT: 21.304 min Scan# 3097

Delta R.T. 0.006 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

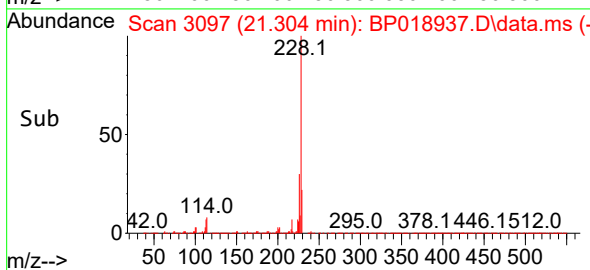
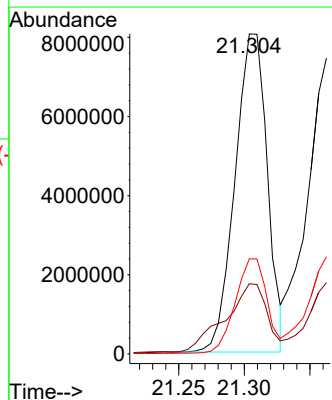
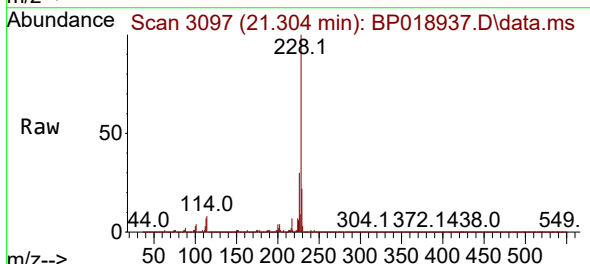
Tgt Ion:228 Resp:13805882

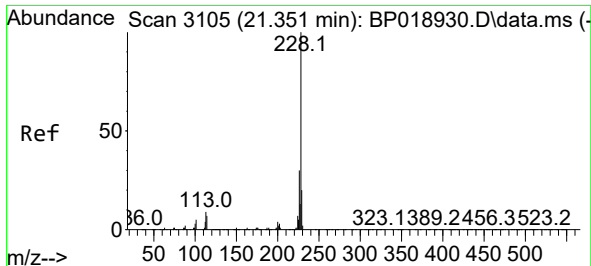
Ion Ratio Lower Upper

228 100

229 22.0 15.7 23.5

226 29.7 21.9 32.9

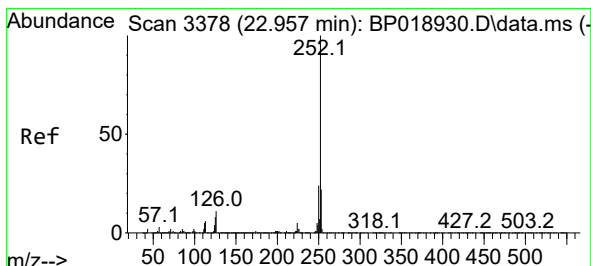
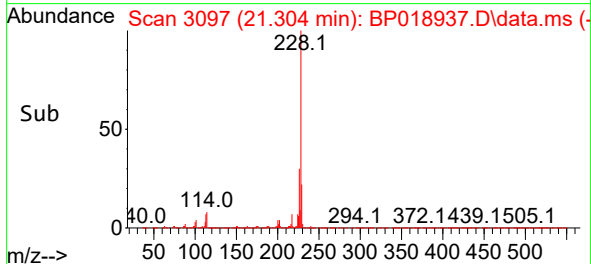
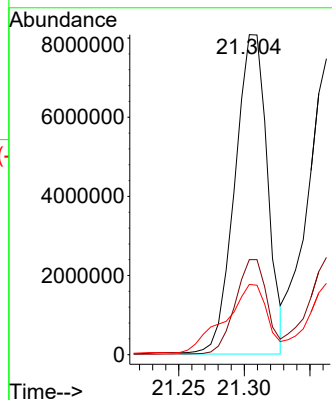
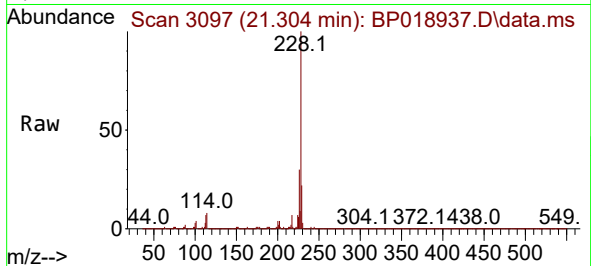




#87
Chrysene
Concen: 198.759 ng/ul
RT: 21.304 min Scan# 3097
Delta R.T. -0.047 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

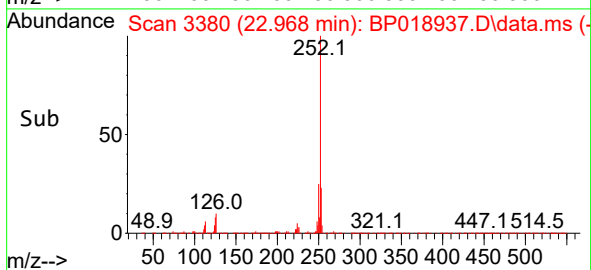
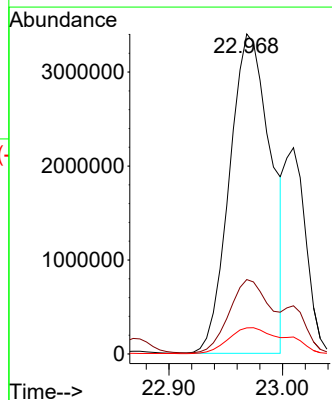
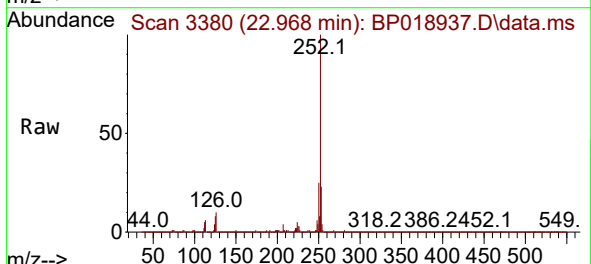
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

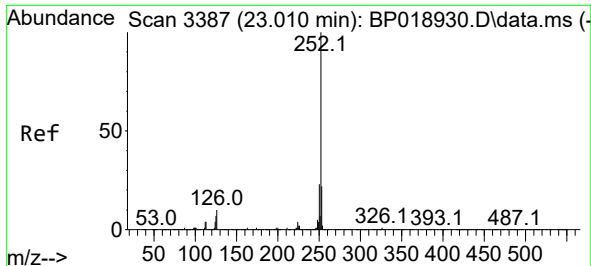
Tgt Ion:228 Resp:13956265
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 22.0 15.6 23.4



#90
Benzo(b)fluoranthene
Concen: 93.776 ng/ul
RT: 22.968 min Scan# 3380
Delta R.T. 0.012 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:252 Resp: 8588173
Ion Ratio Lower Upper
252 100
253 23.3 17.3 25.9
125 8.1 7.8 11.6

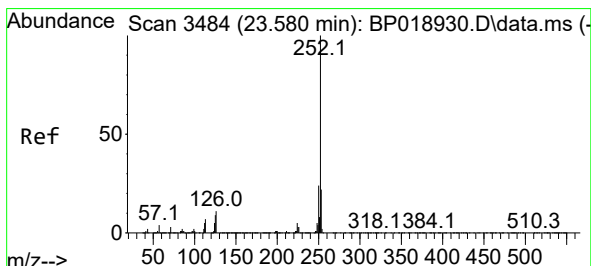
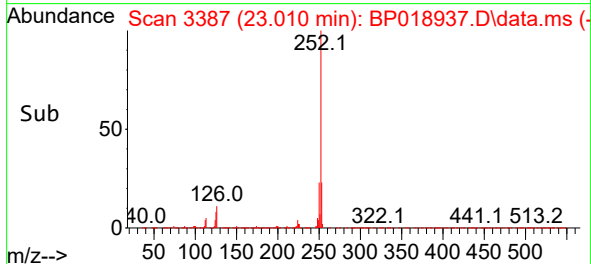
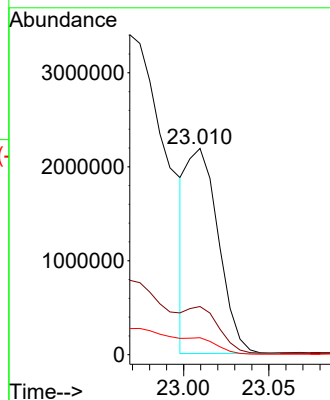
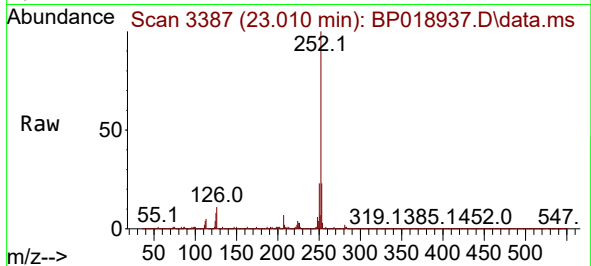




#91
Benzo(k)fluoranthene
Concen: 31.515 ng/ul
RT: 23.010 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

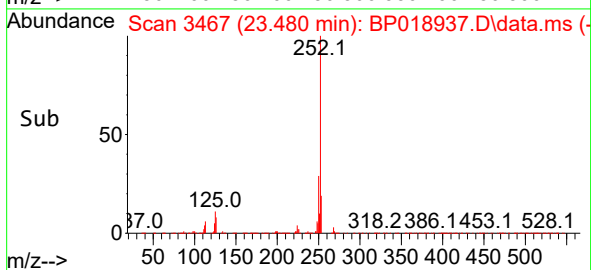
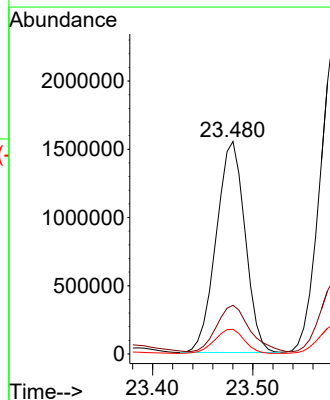
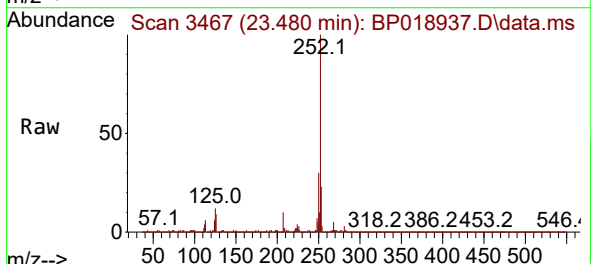
Instrument :
BNA_P
ClientSampleId :
DCLF6DL

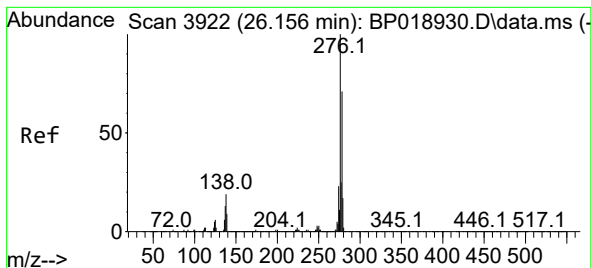
Tgt Ion:252 Resp: 2792617
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 8.2 8.0 12.0



#93
Benzo(a)pyrene
Concen: 36.952 ng/ul
RT: 23.480 min Scan# 3467
Delta R.T. -0.100 min
Lab File: BP018937.D
Acq: 19 Dec 2023 08:53

Tgt Ion:252 Resp: 3092152
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 11.6 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 16.469 ng/ul

RT: 26.145 min Scan# 3920

Delta R.T. -0.012 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

Instrument :

BNA_P

ClientSampleId :

DCLF6DL

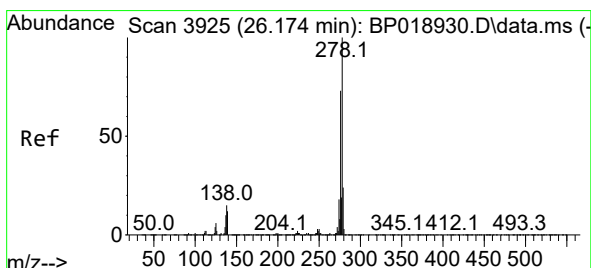
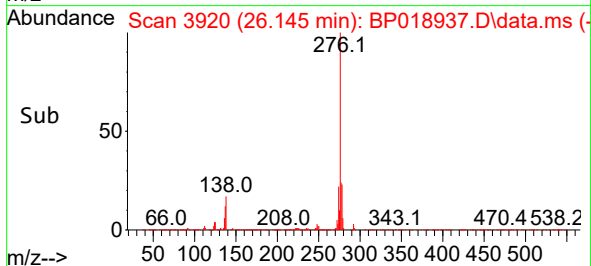
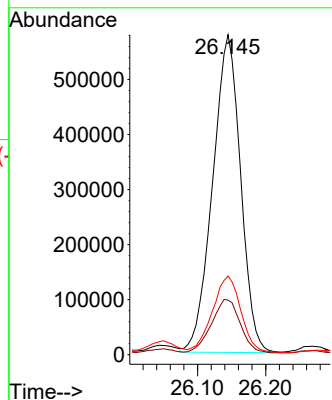
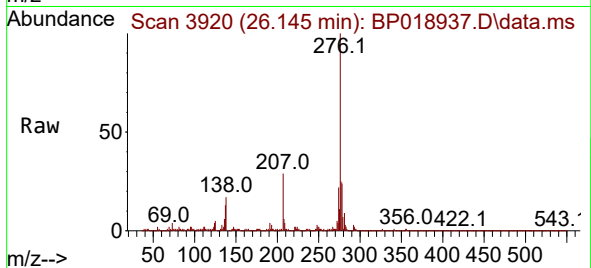
Tgt Ion:276 Resp: 1646639

Ion Ratio Lower Upper

276 100

138 17.1 19.4 29.2#

277 24.6 19.8 29.6



#95

Dibenzo(a,h)anthracene

Concen: 5.442 ng/ul

RT: 26.145 min Scan# 3920

Delta R.T. -0.029 min

Lab File: BP018937.D

Acq: 19 Dec 2023 08:53

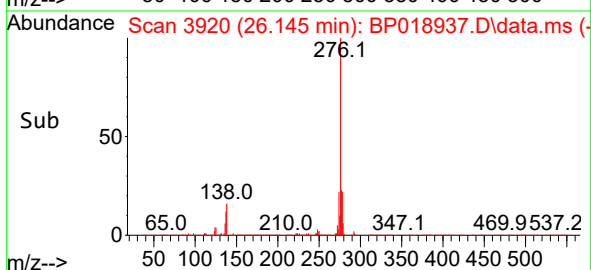
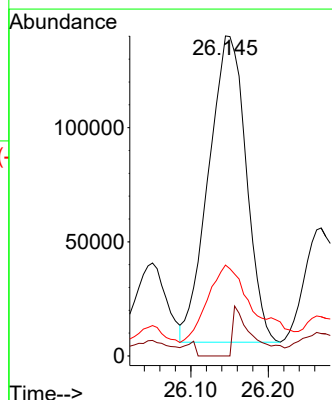
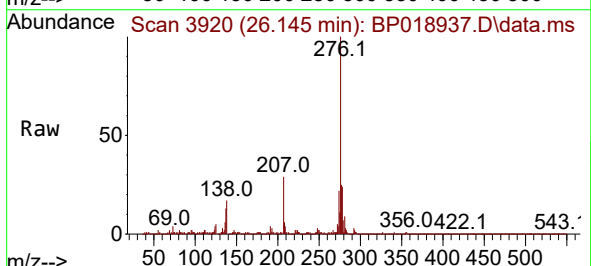
Tgt Ion:278 Resp: 452623

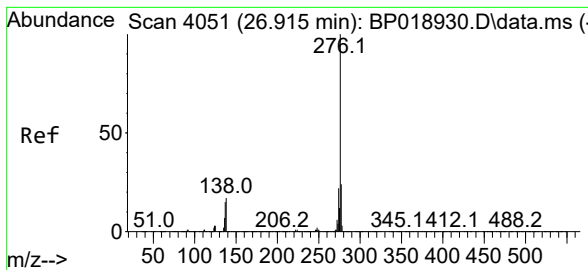
Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.6#

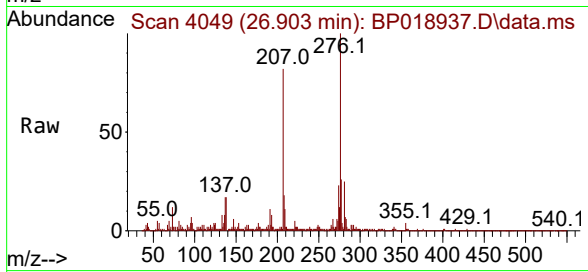
279 28.4 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 8.609 ng/ul
 RT: 26.903 min Scan# 4049
 Delta R.T. -0.012 min
 Lab File: BP018937.D
 Acq: 19 Dec 2023 08:53

Instrument :
 BNA_P
 ClientSampleId :
 DCLF6DL



Tgt Ion:	276	Resp:	692699
Ion Ratio	Lower	Upper	
276	100		
138	17.2	18.1	27.1#
277	25.9	19.4	29.0

