

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018938.D
 Acq On : 19 Dec 2023 09:27
 Operator : MA/JU
 Sample : 05626-12DL 10X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF8DL

Quant Time: Dec 19 21:38:40 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	231762	20.000	ng/ul	0.00
20) Naphthalene-d8	10.634	136	806670	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.469	164	504435	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.240	188	957343	20.000	ng/ul	0.02
79) Chrysene-d12	21.322	240	1033323	20.000	ng/ul	# 0.00
88) Perylene-d12	23.680	264	1360632	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	2213	0.325	ng/uL	0.00
4) Pyridine-d5	3.687	84	22136	1.215	ng/ul	0.00
7) Phenol-d5	7.011	99	47845	2.057	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	25439	1.845	ng/ul	0.00
11) 2-Chlorophenol-d4	7.364	132	37595	2.072	ng/ul	0.00
15) 4-Methylphenol-d8	8.552	113	36586	1.944	ng/ul	0.00
21) Nitrobenzene-d5	8.993	128	20035	2.791	ng/ul	0.00
24) 2-Nitrophenol-d4	9.711	143	16736	2.248	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.258	165	36310	2.386	ng/ul	0.00
31) 4-Chloroaniline-d4	10.775	131	35152	1.767	ng/ul	0.00
46) Dimethylphthalate-d6	13.887	166	120216	2.670	ng/ul	0.00
49) Acenaphthylene-d8	14.157	160	119149	2.403	ng/ul	0.00
54) 4-Nitrophenol-d4	14.704	143	20548	2.780	ng/ul	0.02
60) Fluorene-d10	15.463	176	105588	2.794	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.628	200	598	0.104	ng/ul	0.04
73) Anthracene-d10	17.357	188	138729	2.756	ng/ul	0.04
81) Pyrene-d10	19.569	212	182560	2.270	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.527	264	208287	2.625	ng/ul	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.658	105	78332	2.792	ng/ul	99
19) Hexachloroethane	8.934	117	29173	3.874	ng/ul#	6
32) 4-Chloroaniline	10.705	127	3486485	183.900	ng/ul#	12
36) 2-Methylnaphthalene	12.310	142	13001378	375.025	ng/ul	99
37) 1-Methylnaphthalene	12.522	142	7062350	201.720	ng/ul	99
43) 1,1'-Biphenyl	13.304	154	5100254	116.907	ng/ul	98
45) 2-Nitroaniline	13.499	65	32678	3.498	ng/ul#	29
50) Acenaphthylene	14.187	152	814248	14.609	ng/ul#	88
52) Acenaphthene	14.563	153	20411683	553.869	ng/ul	98
57) 2,4-Dinitrotoluene	14.828	165	47719	4.052	ng/ul#	39
61) Fluorene	15.551	166	23898940	589.674	ng/ul	98
63) 4-Nitroaniline	15.551	138	305103	38.318	ng/ul#	19
67) N-Nitrosodiphenylamine	15.734	169	123455	3.892	ng/ul#	1
72) Phenanthrene	17.387	178	3209091	55.502	ng/ul#	85
74) Anthracene	17.387	178	3209091	55.371	ng/ul#	84
77) Carbazole	17.657	167	19400879	420.017	ng/ul#	90
80) Fluoranthene	19.386	202	156139	1.642	ng/ul	98
82) Pyrene	19.504	202	117328	1.223	ng/ul#	91
85) Benzo(a)anthracene	21.310	228	12581914	150.011	ng/ul	96
87) Chrysene	21.310	228	12713683	164.604	ng/ul	98
90) Benzo(b)fluoranthene	22.969	252	7752472	77.277	ng/ul	96
91) Benzo(k)fluoranthene	22.969	252	7752472	79.868	ng/ul	97
93) Benzo(a)pyrene	23.474	252	2794518	30.486	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.139	276	1494093	13.642	ng/ul#	93

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 19 05:28:03 2023
Response via : Initial Calibration

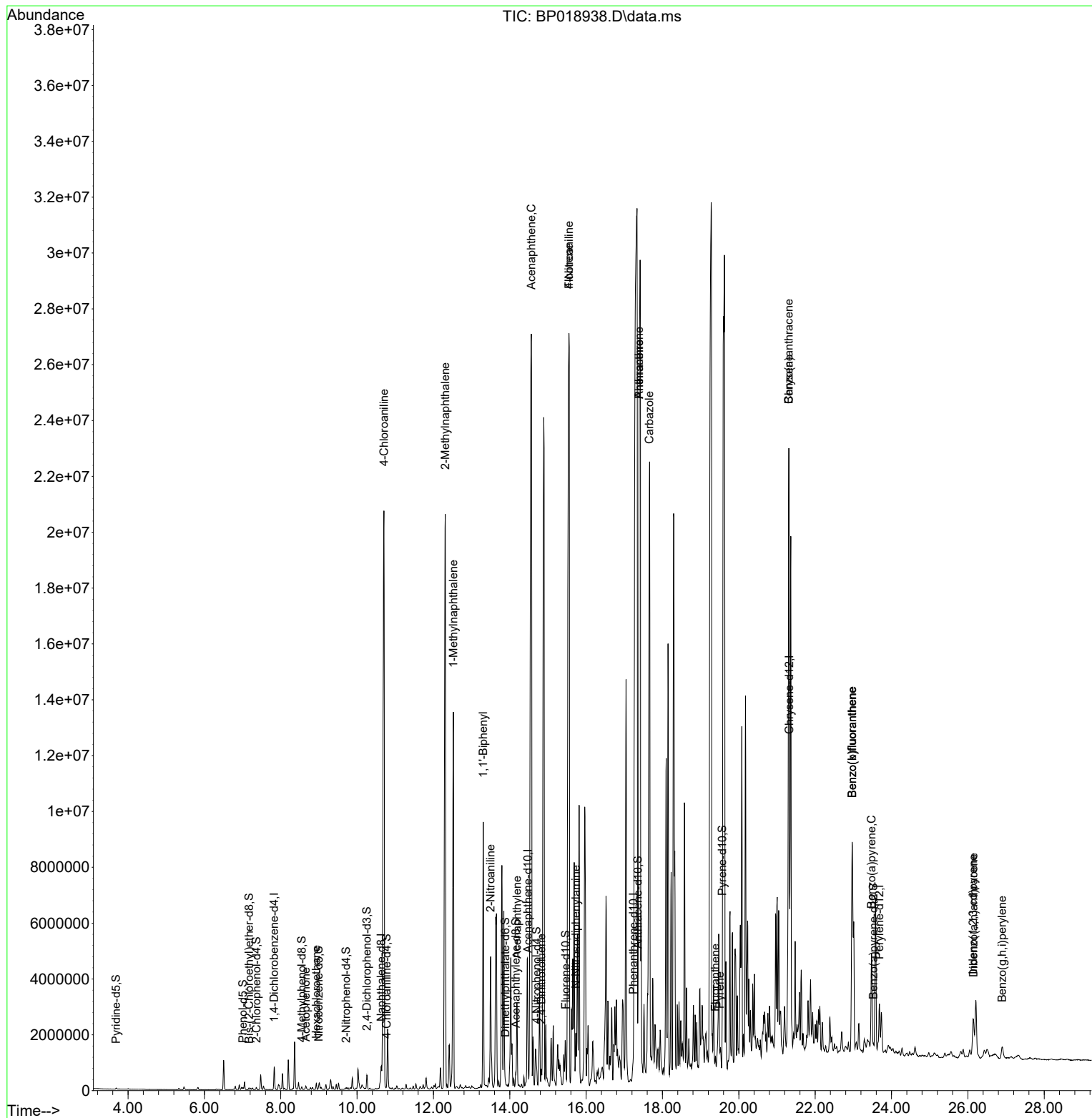
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Dibenzo(a,h)anthracene	26.151	278	410583	4.507	ng/ul	94
96) Benzo(g,h,i)perylene	26.898	276	594338	6.743	ng/ul	95

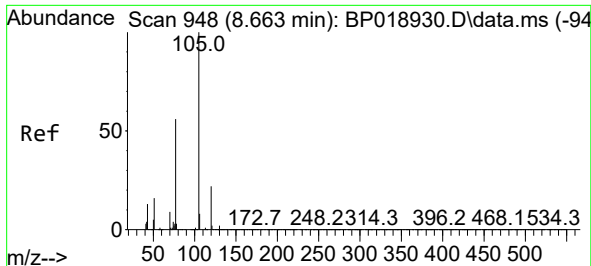
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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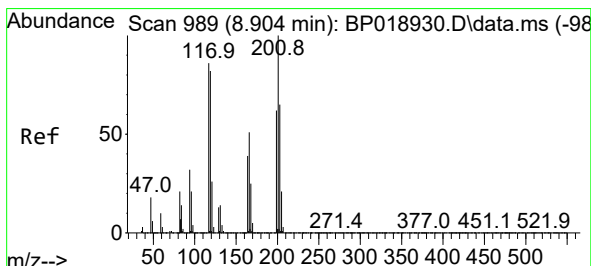
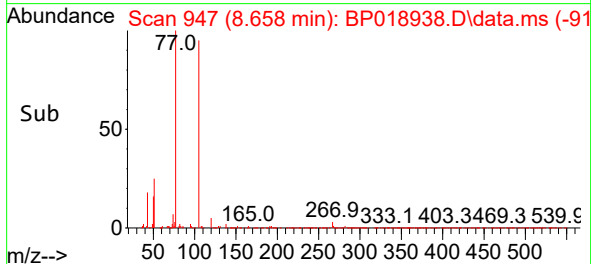
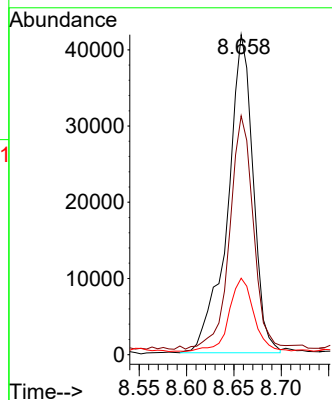
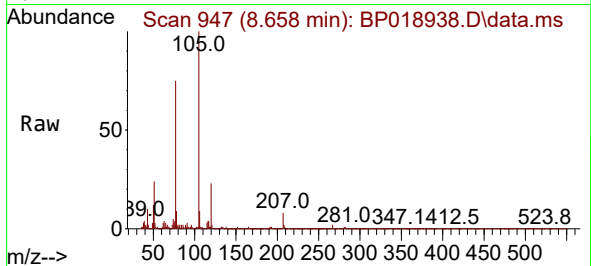




#16
Acetophenone
Concen: 2.792 ng/ul
RT: 8.658 min Scan# 947
Delta R.T. -0.006 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

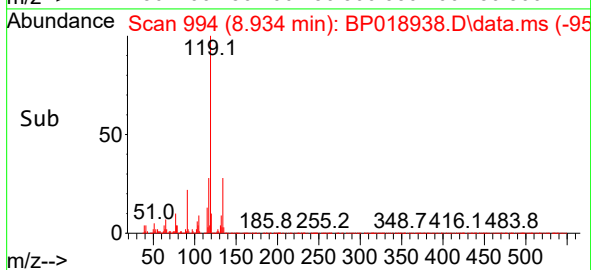
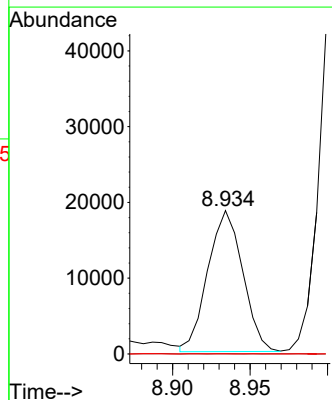
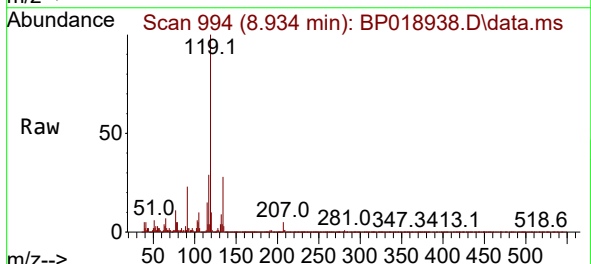
Instrument :
BNA_P
ClientSampleId :
DCLF8DL

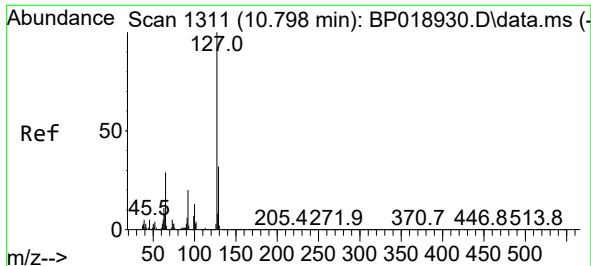
Tgt Ion:105 Resp: 78332
Ion Ratio Lower Upper
105 100
77 74.7 59.4 89.0
51 23.9 19.4 29.0



#19
Hexachloroethane
Concen: 3.874 ng/ul
RT: 8.934 min Scan# 994
Delta R.T. 0.030 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

Tgt Ion:117 Resp: 29173
Ion Ratio Lower Upper
117 100
201 0.2 83.7 125.5#
199 0.1 52.3 78.5#

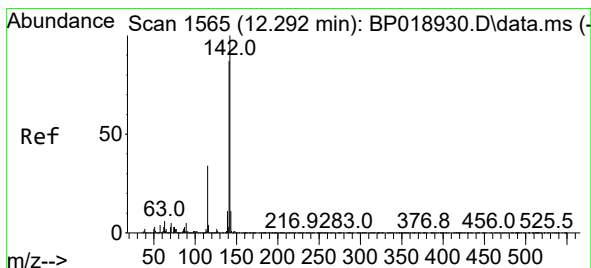
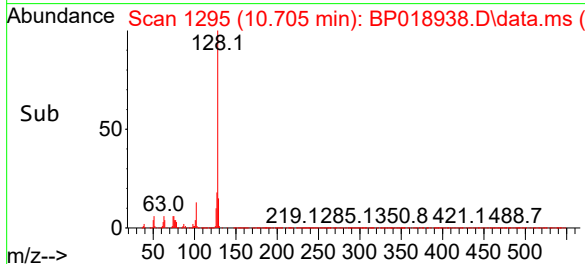
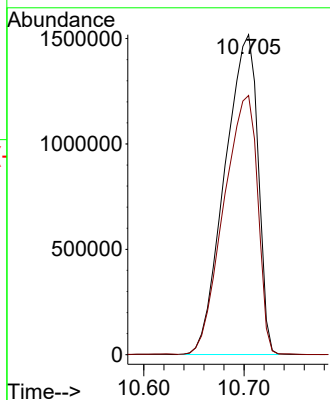
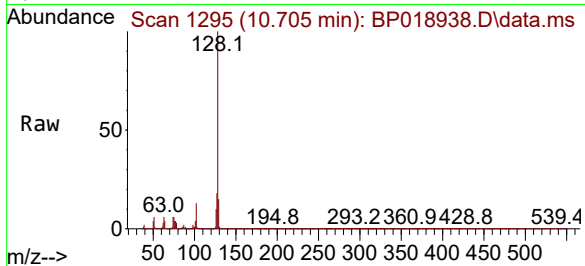




#32
4-Chloroaniline
Concen: 183.900 ng/ul
RT: 10.705 min Scan# 11
Delta R.T. -0.094 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

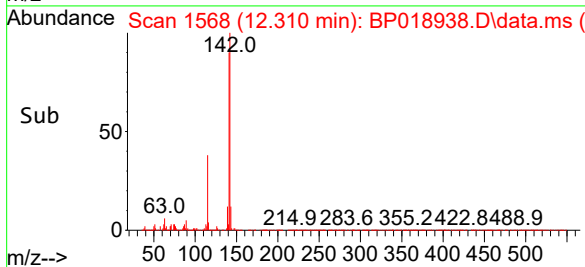
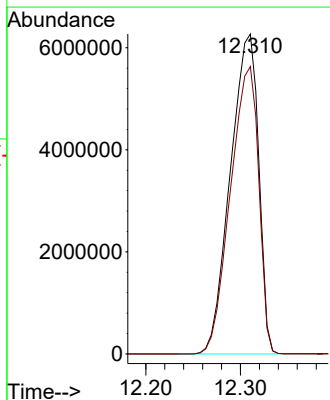
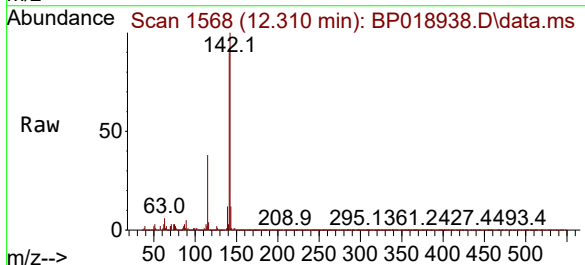
Instrument :
BNA_P
ClientSampleId :
DCLF8DL

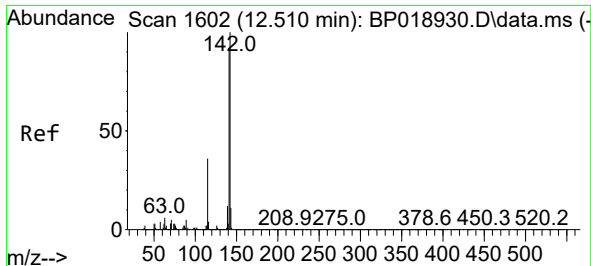
Tgt Ion:127 Resp: 3486485
Ion Ratio Lower Upper
127 100
129 81.0 25.6 38.4#



#36
2-Methylnaphthalene
Concen: 375.025 ng/ul
RT: 12.310 min Scan# 1568
Delta R.T. 0.018 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

Tgt Ion:142 Resp:13001378
Ion Ratio Lower Upper
142 100
141 89.8 71.4 107.0





#37

1-Methylnaphthalene

Concen: 201.720 ng/ul

RT: 12.522 min Scan# 1

Delta R.T. 0.012 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

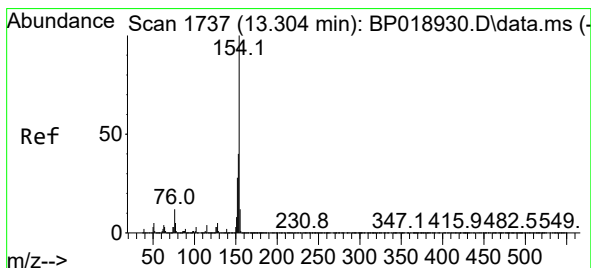
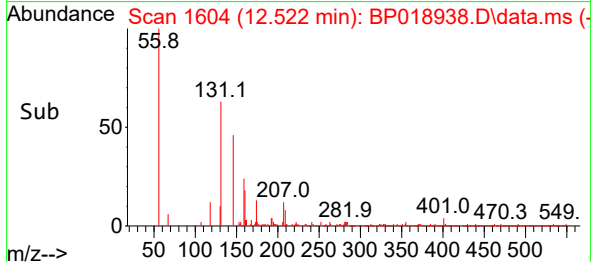
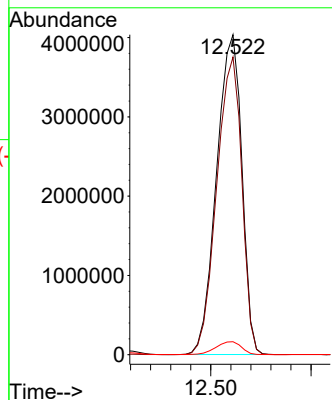
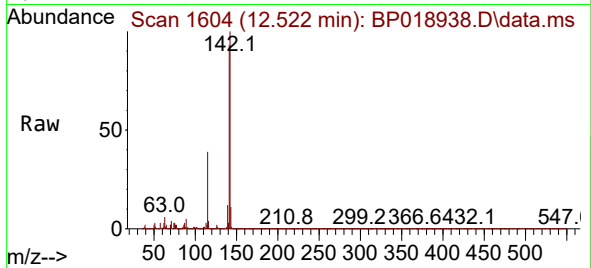
Tgt Ion:142 Resp: 7062350

Ion Ratio Lower Upper

142 100

141 93.0 73.5 110.3

116 4.1 2.8 4.2



#43

1,1'-Biphenyl

Concen: 116.907 ng/ul

RT: 13.304 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

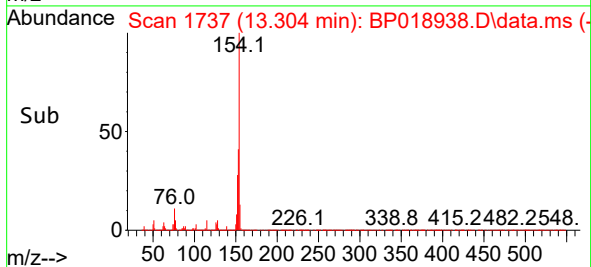
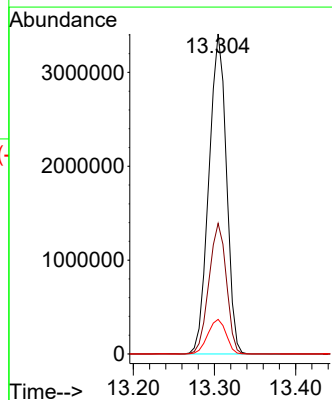
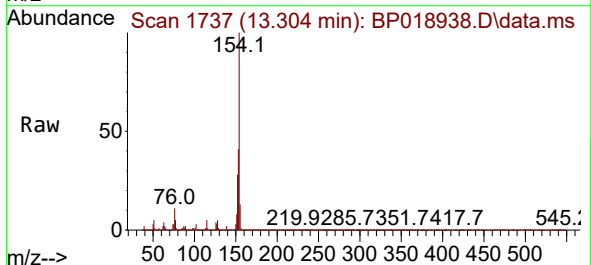
Tgt Ion:154 Resp: 5100254

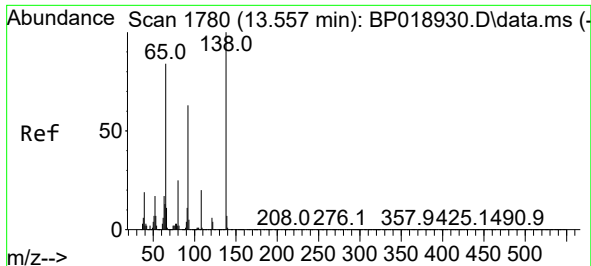
Ion Ratio Lower Upper

154 100

153 40.8 32.8 49.2

76 10.8 10.7 16.1

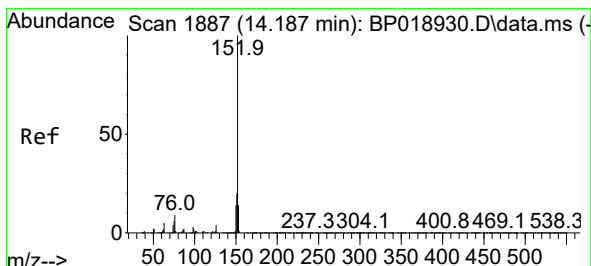
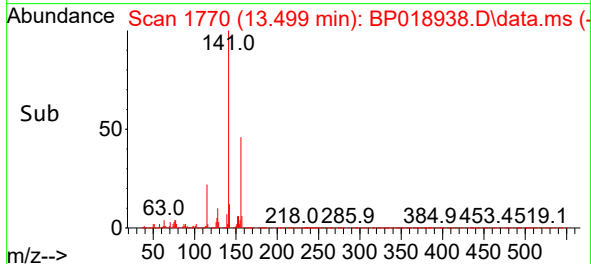
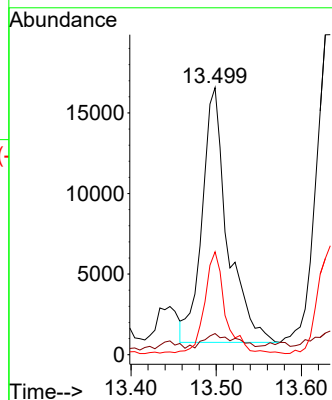
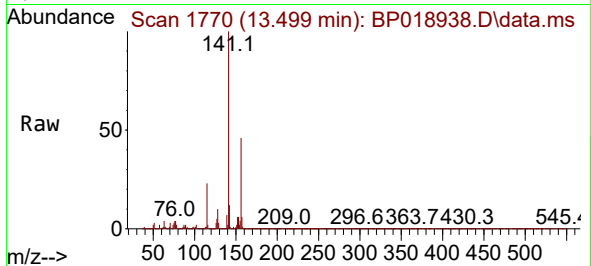




#45
2-Nitroaniline
Concen: 3.498 ng/ul
RT: 13.499 min Scan# 1770
Delta R.T. -0.059 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

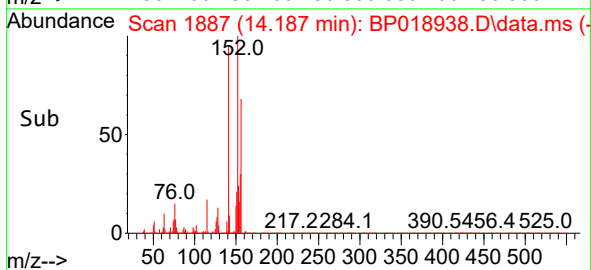
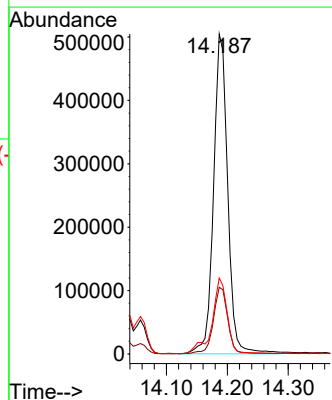
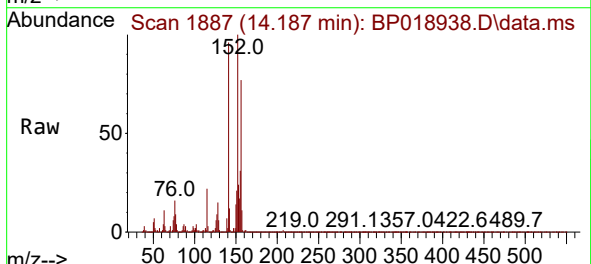
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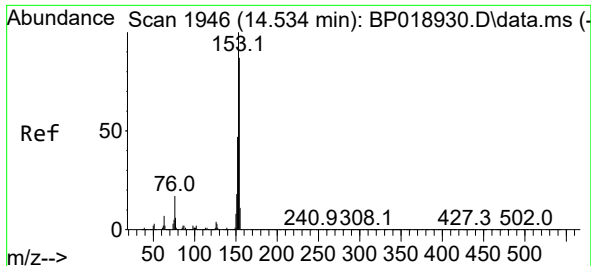
Tgt Ion: 65 Resp: 32678
Ion Ratio Lower Upper
65 100
92 7.9 56.9 85.3#
138 38.5 88.2 132.2#



#50
Acenaphthylene
Concen: 14.609 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

Tgt Ion: 152 Resp: 814248
Ion Ratio Lower Upper
152 100
151 20.9 15.9 23.9
153 23.8 10.6 16.0#

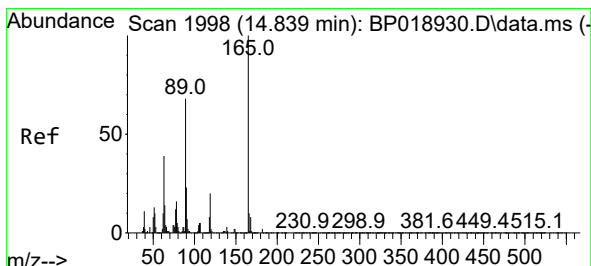
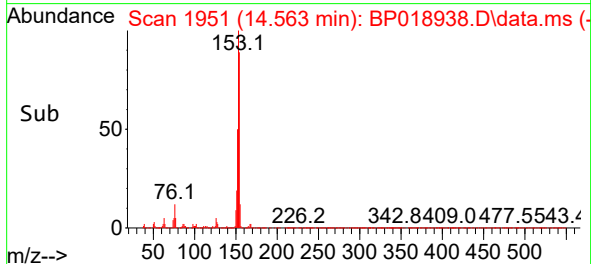
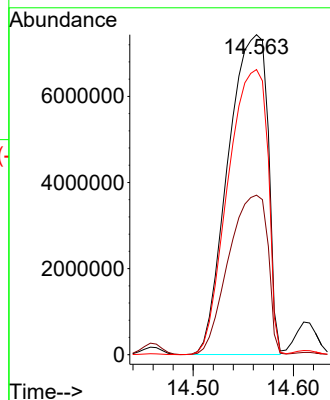
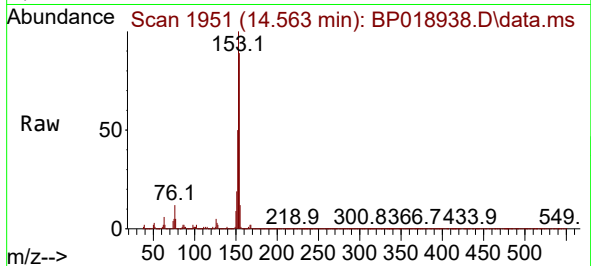




#52
Acenaphthene
Concen: 553.869 ng/ul
RT: 14.563 min Scan# 1951
Delta R.T. 0.030 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

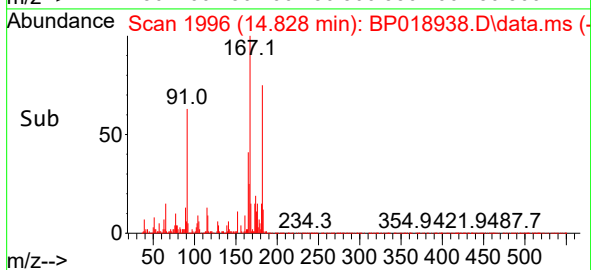
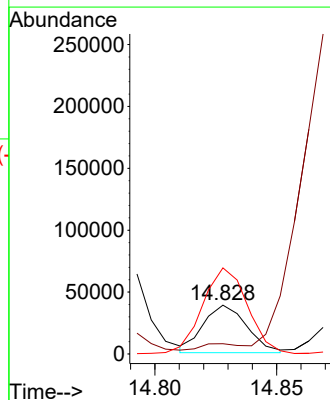
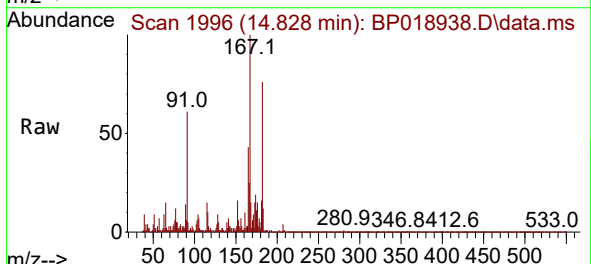
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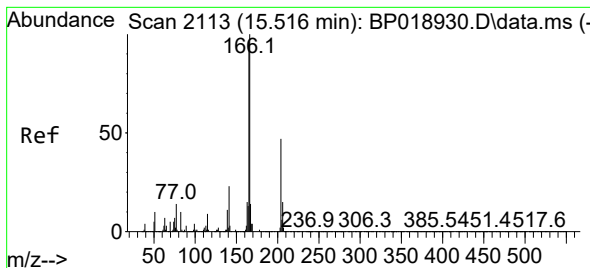
Tgt Ion:153 Resp:20411683
Ion Ratio Lower Upper
153 100
152 49.8 38.1 57.1
154 89.1 71.7 107.5



#57
2,4-Dinitrotoluene
Concen: 4.052 ng/ul
RT: 14.828 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

Tgt Ion:165 Resp: 47719
Ion Ratio Lower Upper
165 100
63 21.0 32.7 49.1#
182 176.4 2.1 3.1#





#61

Fluorene

Concen: 589.674 ng/ul

RT: 15.551 min Scan# 2119

Delta R.T. 0.036 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

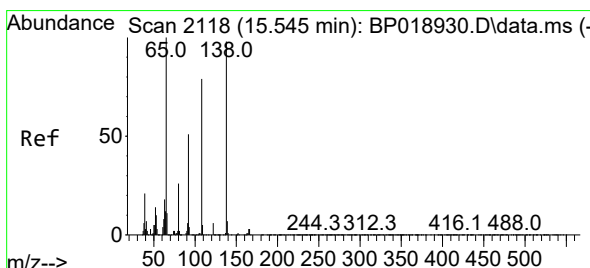
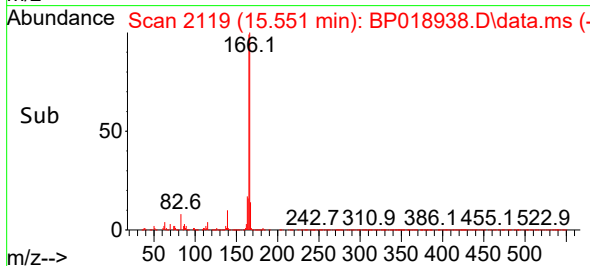
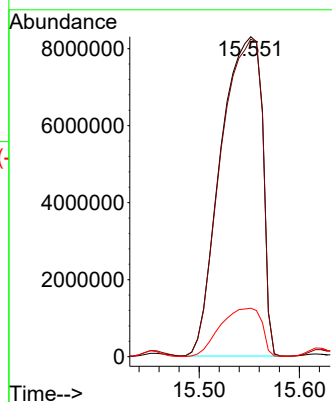
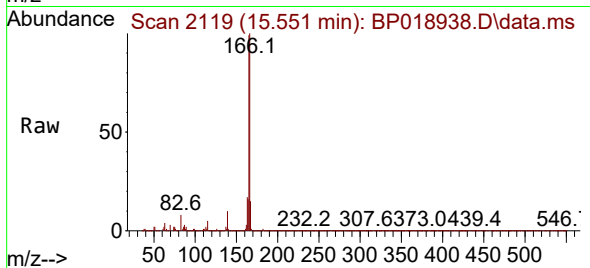
Tgt Ion:166 Resp:23898940

Ion Ratio Lower Upper

166 100

165 99.3 78.0 117.0

167 15.2 10.8 16.2



#63

4-Nitroaniline

Concen: 38.318 ng/ul

RT: 15.551 min Scan# 2119

Delta R.T. 0.006 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

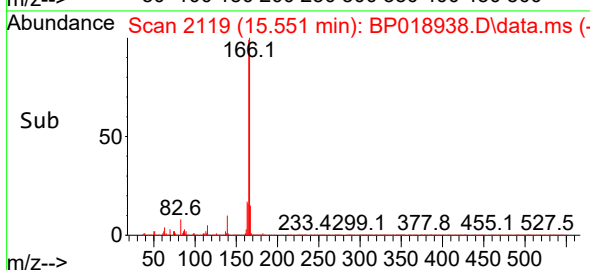
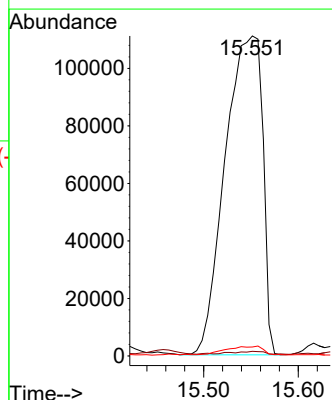
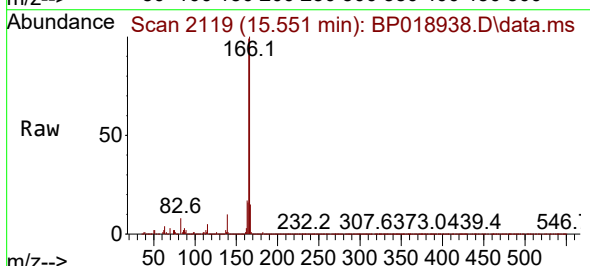
Tgt Ion:138 Resp: 305103

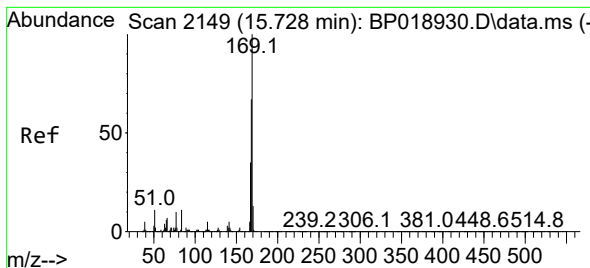
Ion Ratio Lower Upper

138 100

92 1.5 42.3 63.5#

108 2.8 62.0 93.0#





#67

N-Nitrosodiphenylamine

Concen: 3.892 ng/ul

RT: 15.734 min Scan# 2149

Delta R.T. 0.006 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

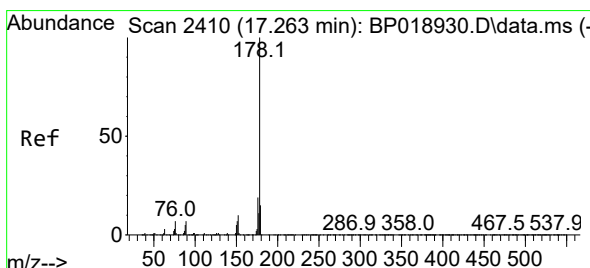
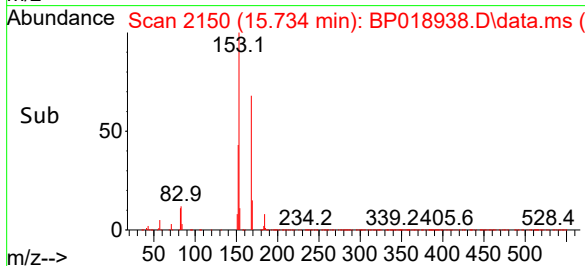
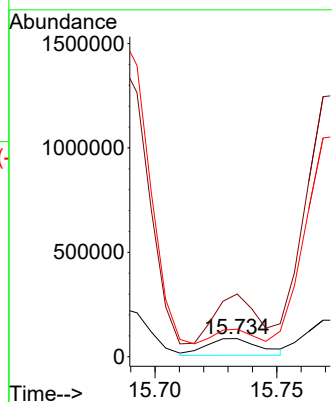
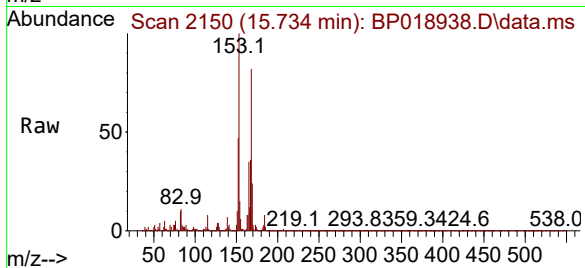
Tgt Ion:169 Resp: 123455

Ion Ratio Lower Upper

169 100

168 346.9 53.1 79.7#

167 152.4 29.1 43.7#



#72

Phenanthrene

Concen: 55.502 ng/ul

RT: 17.387 min Scan# 2431

Delta R.T. 0.124 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

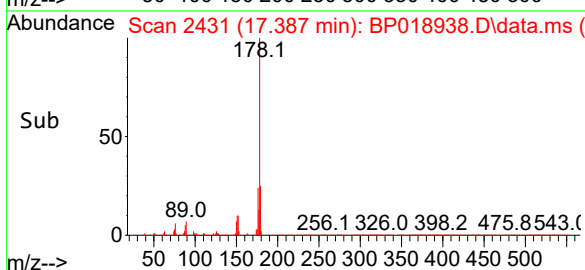
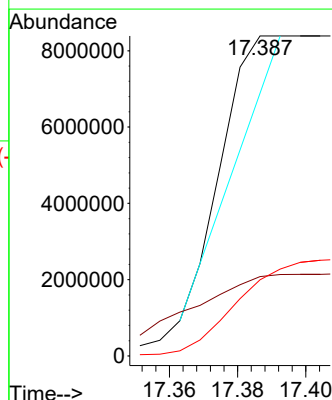
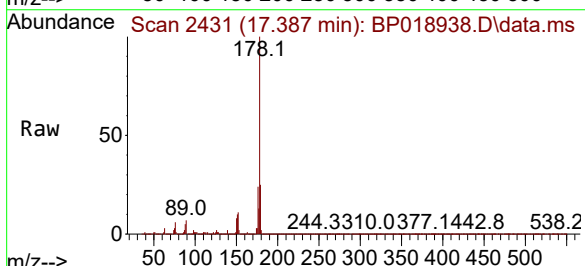
Tgt Ion:178 Resp: 3209091

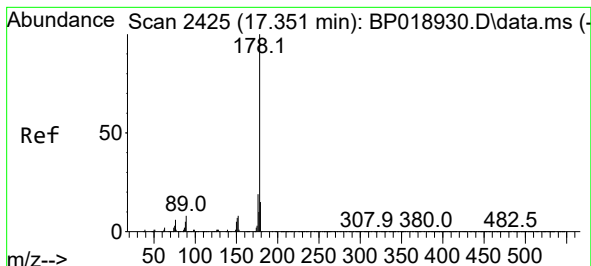
Ion Ratio Lower Upper

178 100

179 24.8 12.3 18.5#

176 23.8 15.4 23.2#





#74

Anthracene

Concen: 55.371 ng/ul

RT: 17.387 min Scan# 2425

Delta R.T. 0.036 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

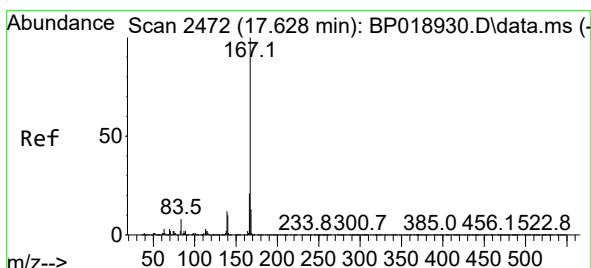
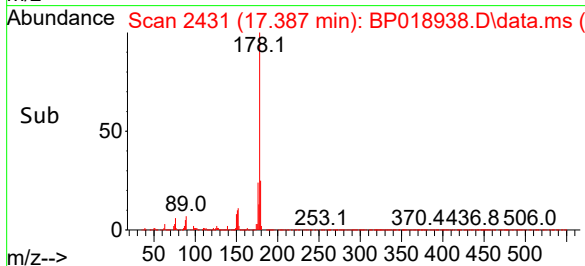
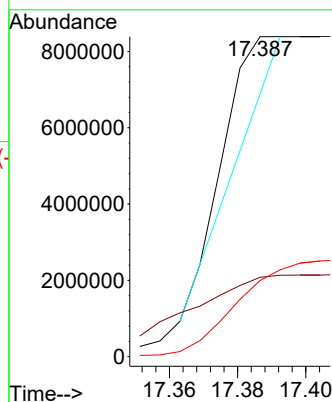
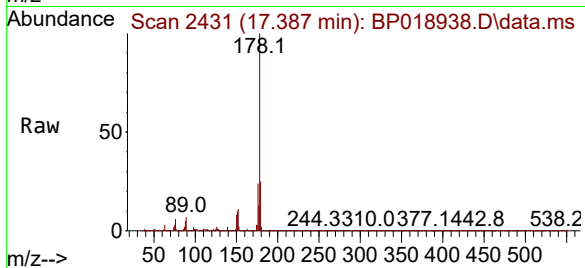
Tgt Ion:178 Resp: 3209091

Ion Ratio Lower Upper

178 100

179 24.8 12.5 18.7#

176 23.8 15.0 22.6#



#77

Carbazole

Concen: 420.017 ng/ul

RT: 17.657 min Scan# 2477

Delta R.T. 0.030 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

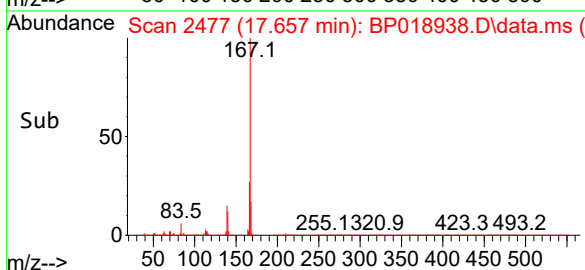
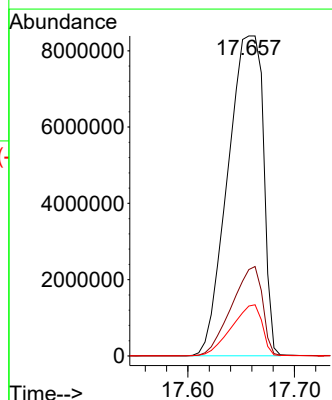
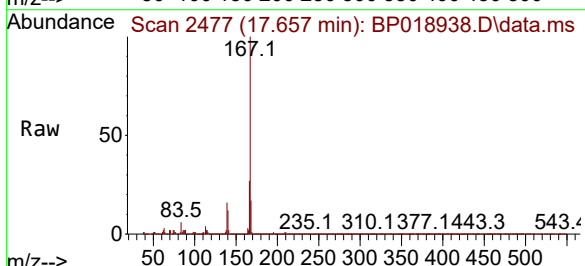
Tgt Ion:167 Resp:19400879

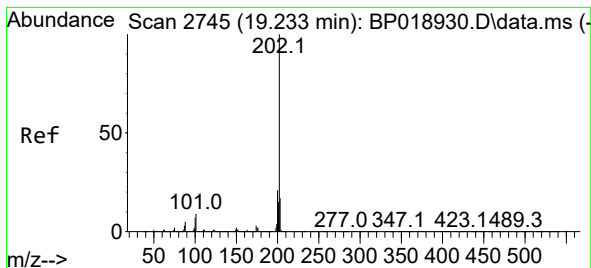
Ion Ratio Lower Upper

167 100

166 27.0 17.1 25.7#

139 15.6 10.2 15.4#





#80

Fluoranthene

Concen: 1.642 ng/ul

RT: 19.386 min Scan# 2771

Delta R.T. 0.153 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

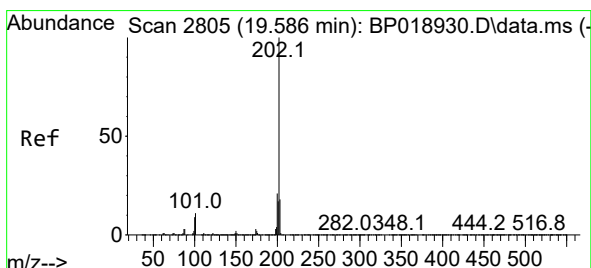
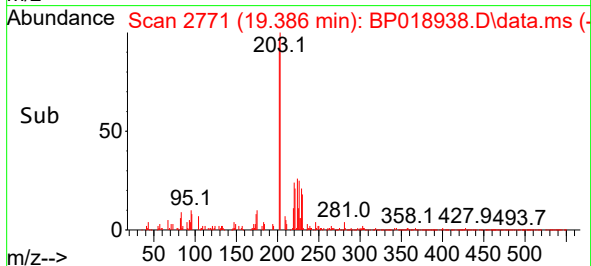
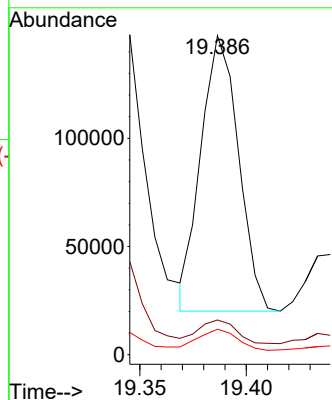
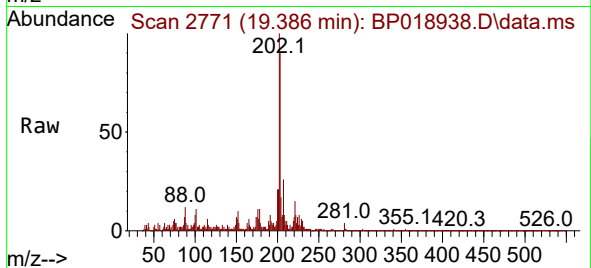
Tgt Ion:202 Resp: 156139

Ion Ratio Lower Upper

202 100

101 10.9 9.1 13.7

100 8.0 7.1 10.7



#82

Pyrene

Concen: 1.223 ng/ul

RT: 19.504 min Scan# 2791

Delta R.T. -0.082 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

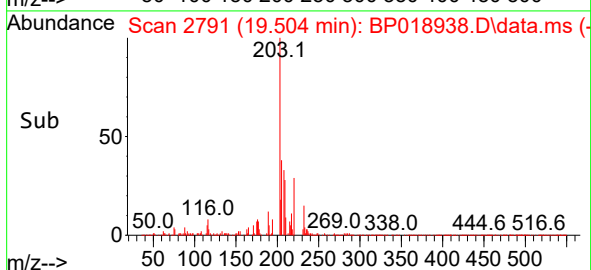
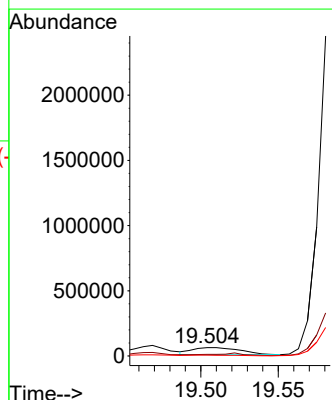
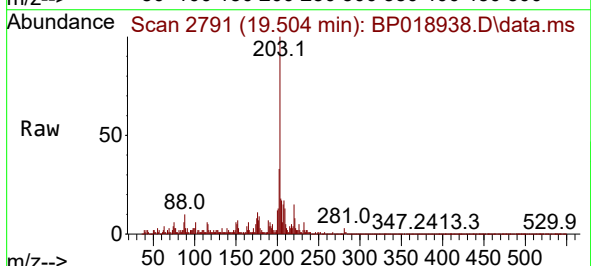
Tgt Ion:202 Resp: 117328

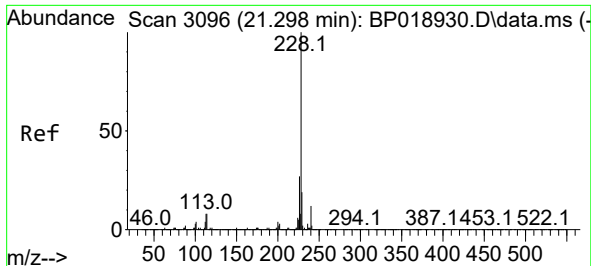
Ion Ratio Lower Upper

202 100

101 18.8 11.0 16.4#

100 9.9 9.1 13.7

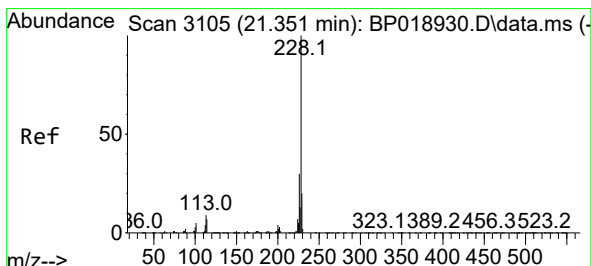
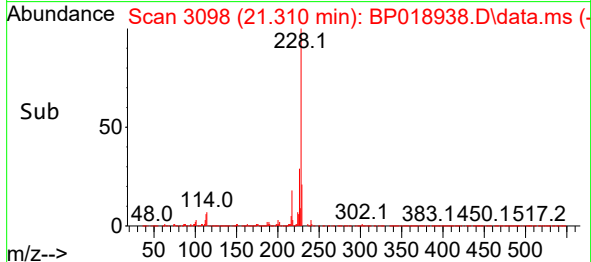
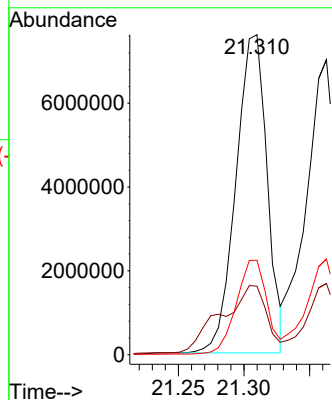
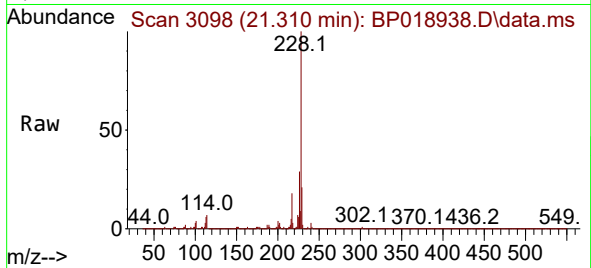




#85
Benzo(a)anthracene
Concen: 150.011 ng/ul
RT: 21.310 min Scan# 3098
Delta R.T. 0.012 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

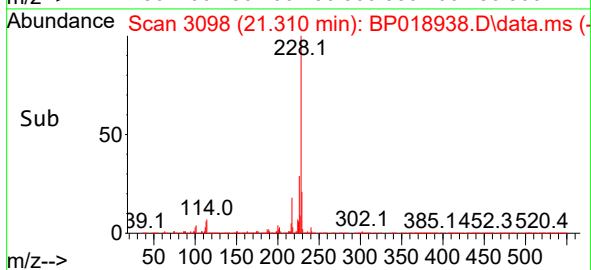
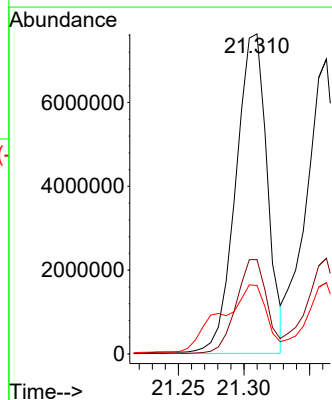
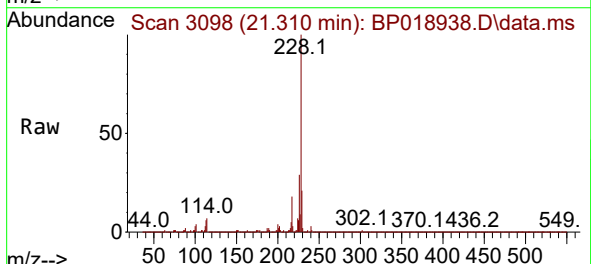
Instrument :
BNA_P
ClientSampleId :
DCLF8DL

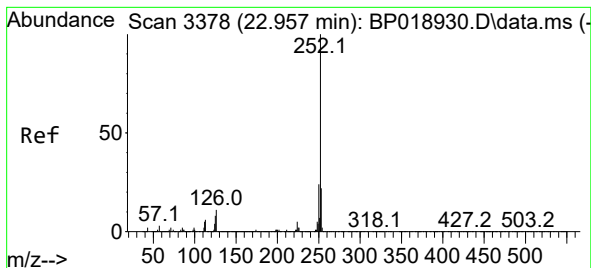
Tgt Ion:228 Resp:12581914
Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 29.5 21.9 32.9



#87
Chrysene
Concen: 164.604 ng/ul
RT: 21.310 min Scan# 3098
Delta R.T. -0.041 min
Lab File: BP018938.D
Acq: 19 Dec 2023 09:27

Tgt Ion:228 Resp:12713683
Ion Ratio Lower Upper
228 100
226 29.5 23.9 35.9
229 21.4 15.6 23.4





#90

Benzo(b)fluoranthene

Concen: 77.277 ng/ul

RT: 22.969 min Scan# 3380

Delta R.T. 0.012 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

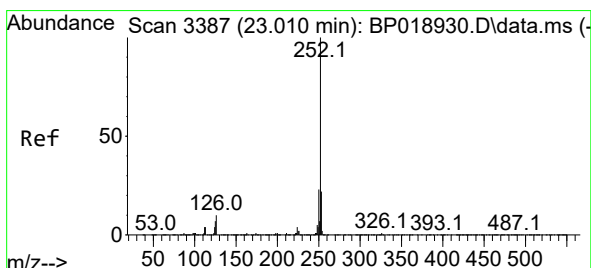
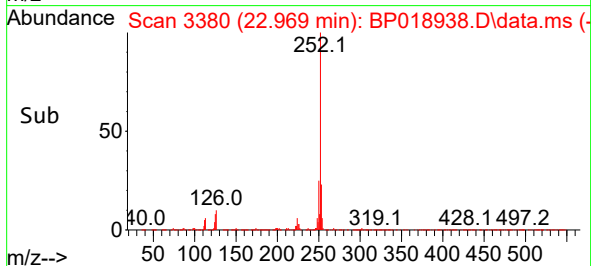
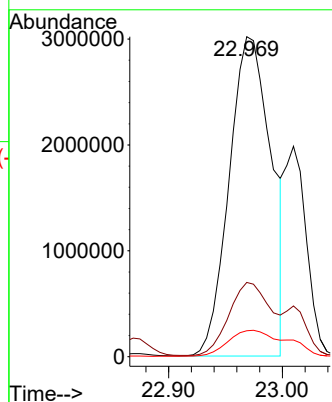
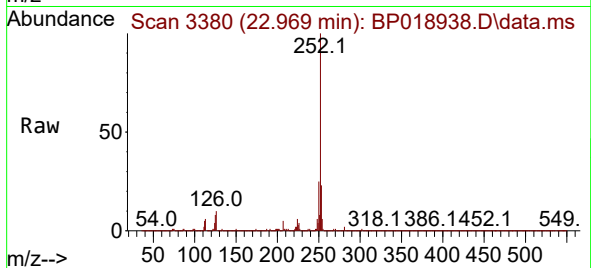
Tgt Ion:252 Resp: 7752472

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 8.1 7.8 11.6



#91

Benzo(k)fluoranthene

Concen: 79.868 ng/ul

RT: 22.969 min Scan# 3380

Delta R.T. -0.041 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

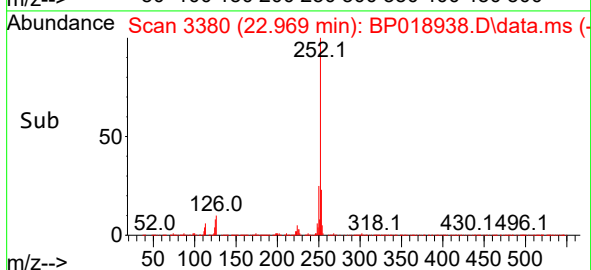
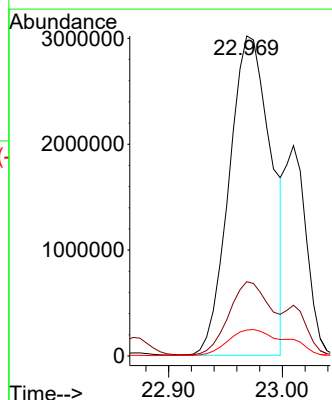
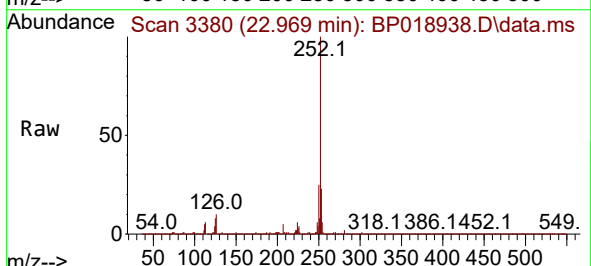
Tgt Ion:252 Resp: 7752472

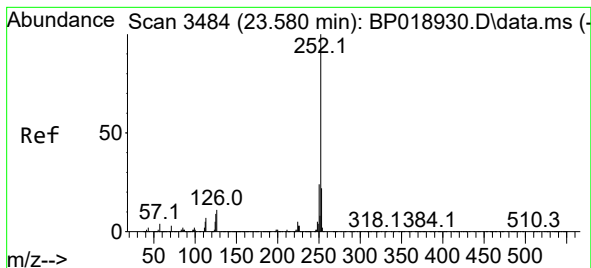
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

125 8.1 8.0 12.0





#93

Benzo(a)pyrene

Concen: 30.486 ng/ul

RT: 23.474 min Scan# 34

Delta R.T. -0.106 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

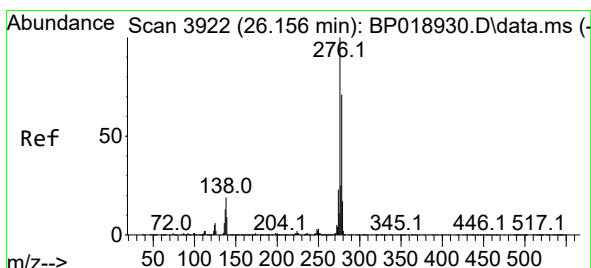
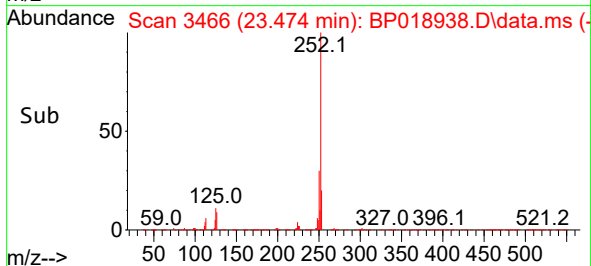
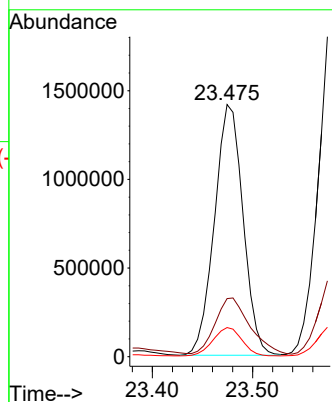
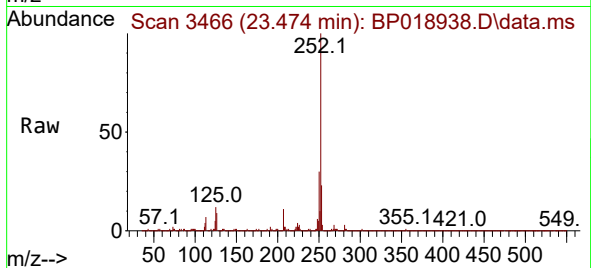
Tgt Ion:252 Resp: 2794518

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 11.5 9.2 13.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 13.642 ng/ul

RT: 26.139 min Scan# 3919

Delta R.T. -0.017 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

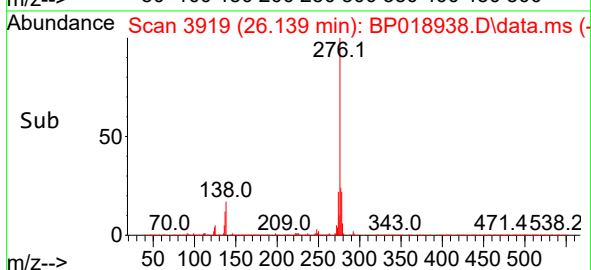
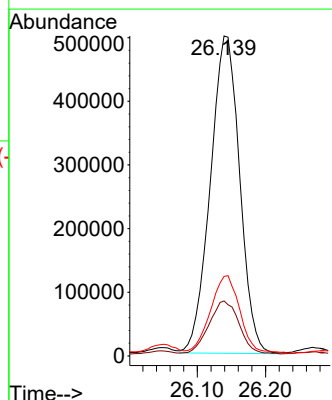
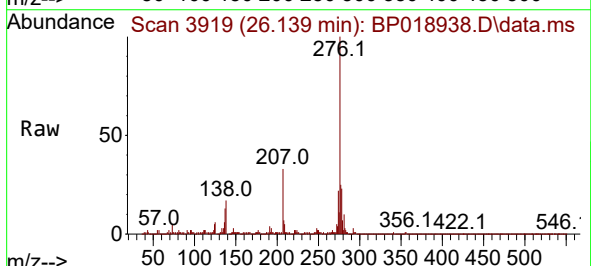
Tgt Ion:276 Resp: 1494093

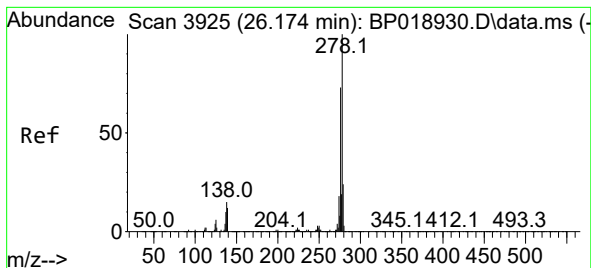
Ion Ratio Lower Upper

276 100

138 17.2 19.4 29.2#

277 24.8 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 4.507 ng/ul

RT: 26.151 min Scan# 3925

Delta R.T. -0.023 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Instrument :

BNA_P

ClientSampleId :

DCLF8DL

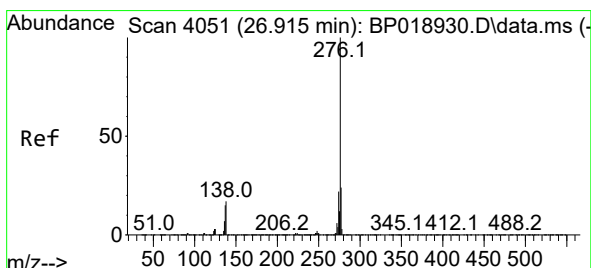
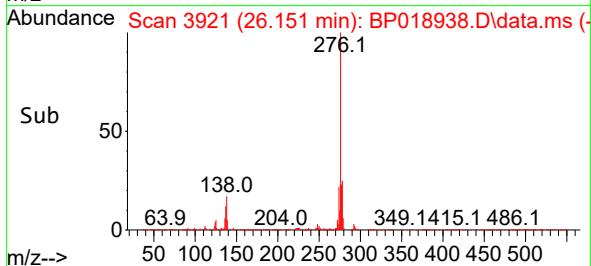
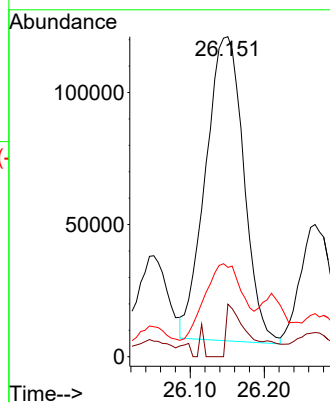
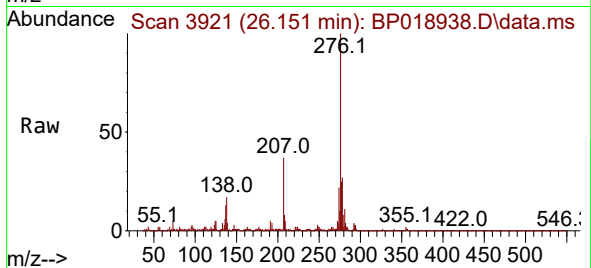
Tgt Ion:278 Resp: 410583

Ion Ratio Lower Upper

278 100

139 16.4 13.0 19.6

279 27.9 18.7 28.1



#96

Benzo(g,h,i)perylene

Concen: 6.743 ng/ul

RT: 26.898 min Scan# 4048

Delta R.T. -0.017 min

Lab File: BP018938.D

Acq: 19 Dec 2023 09:27

Tgt Ion:276 Resp: 594338

Ion Ratio Lower Upper

276 100

138 18.2 18.1 27.1

277 24.3 19.4 29.0

