

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120423\
 Data File : BP018629.D
 Acq On : 06 Dec 2023 10:06
 Operator : MA/JU
 Sample : 05456-01
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05M4

Quant Time: Dec 06 21:38:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 04 21:39:40 2023
 Response via : Initial Calibration

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

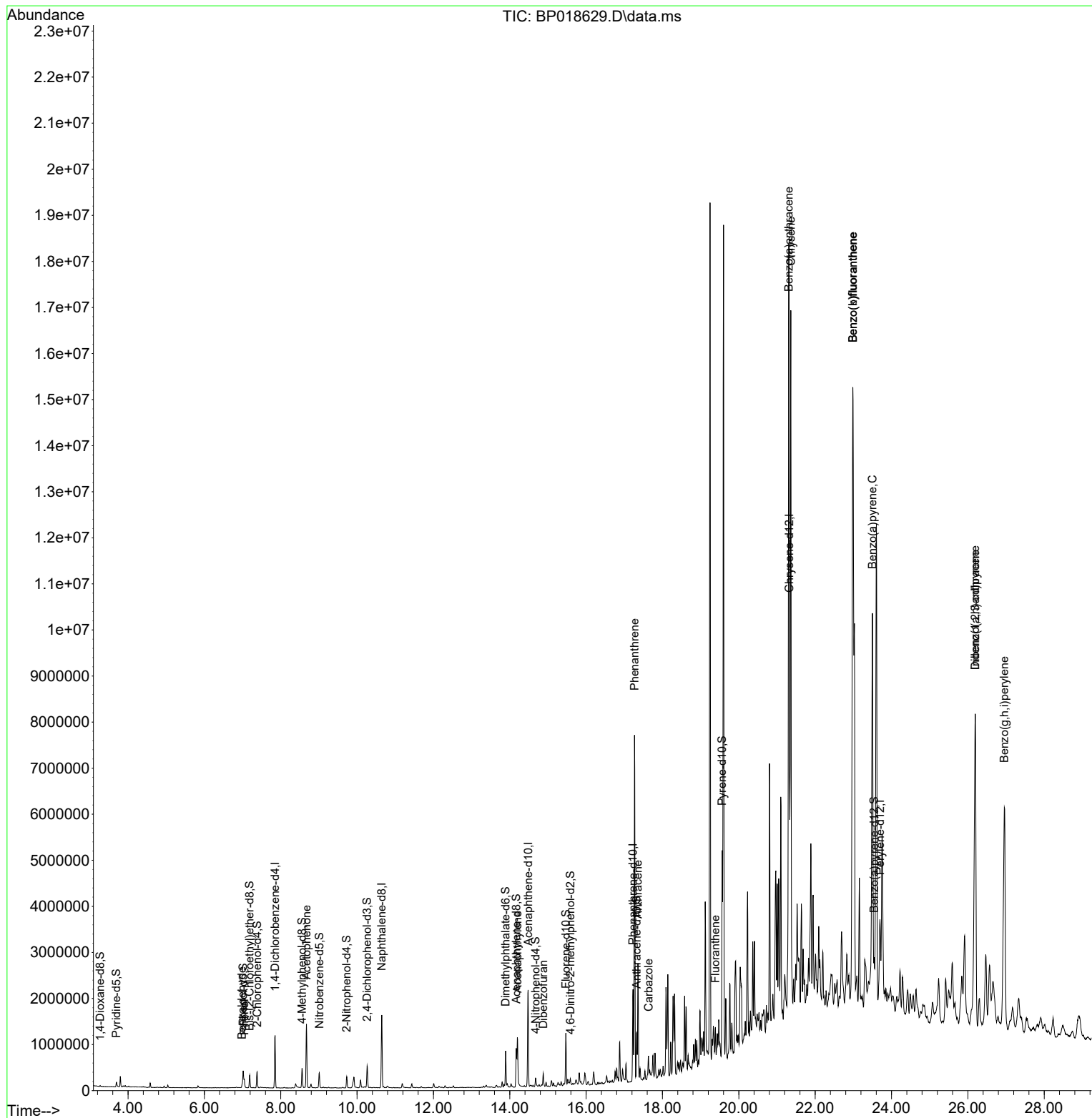
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	315783	20.000	ng/ul	0.00
20) Naphthalene-d8	10.646	136	1249526	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.481	164	733644	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.228	188	1256431	20.000	ng/ul	0.00
79) Chrysene-d12	21.321	240	1094613	20.000	ng/ul	# 0.00
88) Perylene-d12	23.698	264	1474340	20.000	ng/ul	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.269	96	9279	1.001	ng/uL	0.00
4) Pyridine-d5	3.693	84	46601	1.877	ng/ul	0.00
7) Phenol-d5	7.016	99	203803	6.431	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.187	67	115883	6.170	ng/ul	0.00
11) 2-Chlorophenol-d4	7.381	132	155931	6.306	ng/ul	0.00
15) 4-Methylphenol-d8	8.557	113	150628	5.873	ng/ul	-0.01
21) Nitrobenzene-d5	9.010	128	75206	6.762	ng/ul	0.00
24) 2-Nitrophenol-d4	9.728	143	77306	6.705	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.263	165	170937	7.250	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.793	131	26440	0.858	ng/ul	0.00
46) Dimethylphthalate-d6	13.892	166	508305	7.763	ng/ul	-0.01
49) Acenaphthylene-d8	14.169	160	542285	7.521	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.681	143	39321	3.658	ng/ul	0.00
60) Fluorene-d10	15.469	176	407747	7.419	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	28970	3.845	ng/ul	0.00
73) Anthracene-d10	17.322	188	519561	7.866	ng/ul	0.00
81) Pyrene-d10	19.563	212	559967	6.572	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.545	264	659300	7.669	ng/ul	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.987	77	26611	1.626	ng/ul	97
8) Phenol	7.046	94	107132	3.447	ng/ul	98
16) Acetophenone	8.675	105	718760	18.805	ng/ul	100
50) Acenaphthylene	14.198	152	914635	11.283	ng/ul	99
56) Dibenzofuran	14.875	168	122871	1.649	ng/ul	96
72) Phenanthrene	17.269	178	4538191	59.805	ng/ul	99
74) Anthracene	17.357	178	1572060	20.668	ng/ul	100
77) Carbazole	17.633	167	301297	4.970	ng/ul	99
80) Fluoranthene	19.386	202	367798	3.652	ng/ul	96
85) Benzo(a)anthracene	21.310	228	8918343	100.377	ng/ul	94
87) Chrysene	21.363	228	8792698	107.465	ng/ul	95
90) Benzo(b)fluoranthene	22.986	252	13639138	125.470	ng/ul#	96
91) Benzo(k)fluoranthene	22.986	252	13639138	129.676	ng/ul#	96
93) Benzo(a)pyrene	23.498	252	6837144	68.835	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.192	276	7770689	65.479	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.192	278	2140630	21.684	ng/ul#	81
96) Benzo(g,h,i)perylene	26.956	276	6822102	71.431	ng/ul#	94

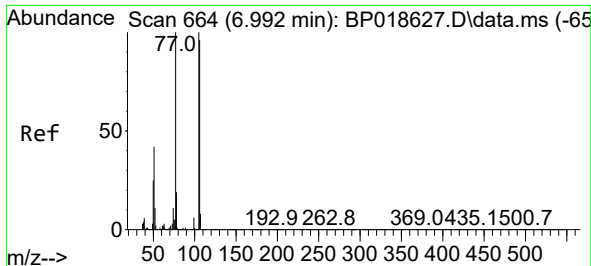
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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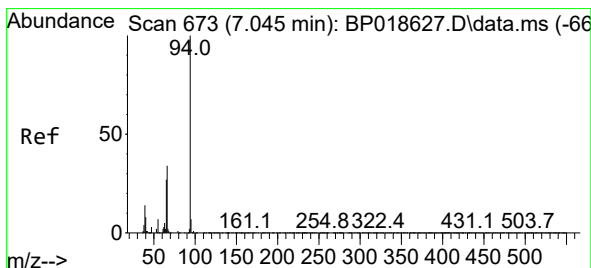
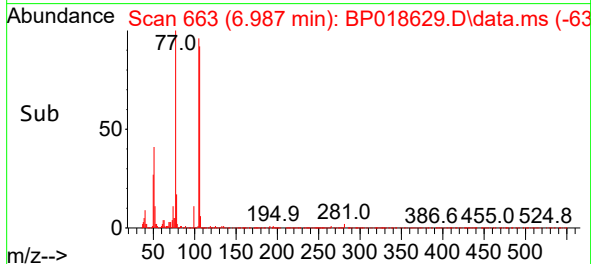
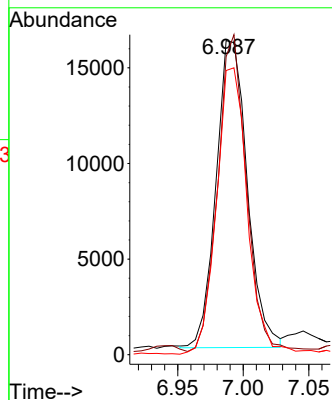
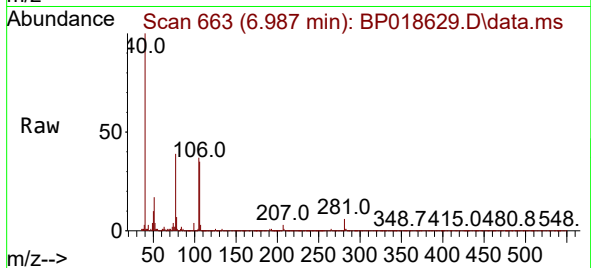




#6
Benzaldehyde
Concen: 1.626 ng/ul
RT: 6.987 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

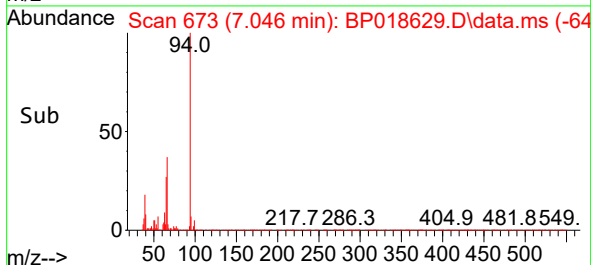
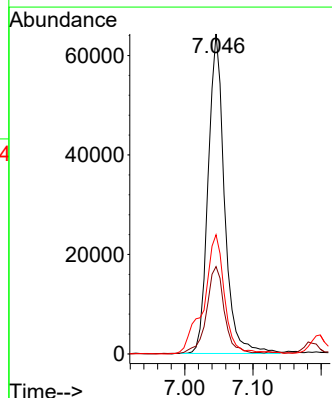
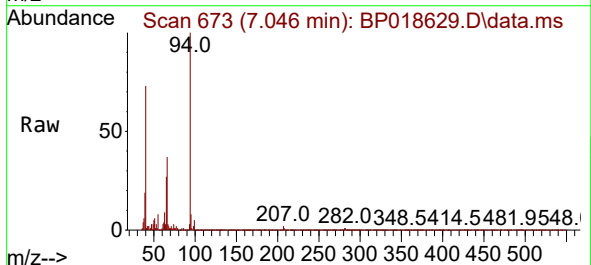
Instrument :
BNA_P
ClientSampleId :
E05M4

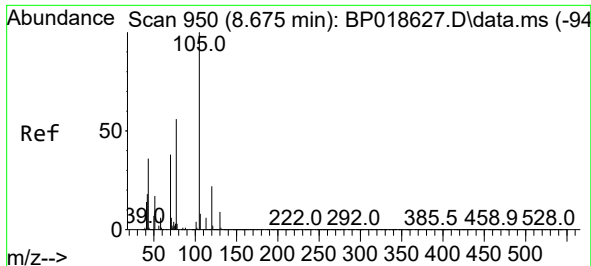
Tgt Ion: 77 Resp: 26611
Ion Ratio Lower Upper
77 100
105 94.9 77.9 116.9
106 90.5 74.6 111.8



#8
Phenol
Concen: 3.447 ng/ul
RT: 7.046 min Scan# 673
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Tgt Ion: 94 Resp: 107132
Ion Ratio Lower Upper
94 100
65 27.3 21.0 31.6
66 37.3 28.6 43.0

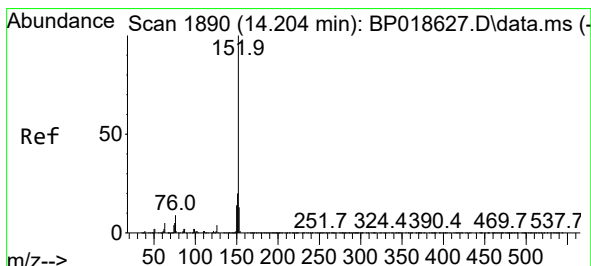
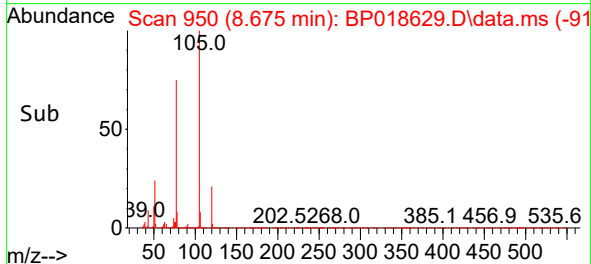
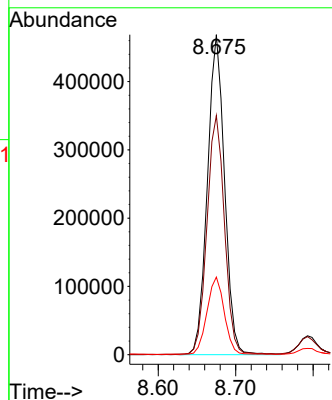
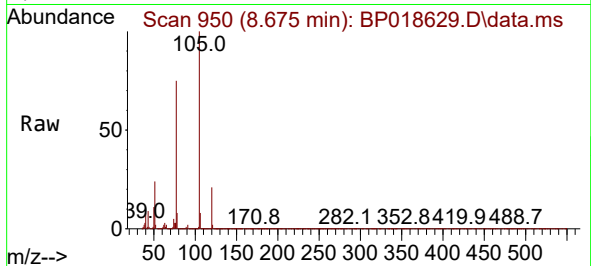




#16
Acetophenone
Concen: 18.805 ng/ul
RT: 8.675 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

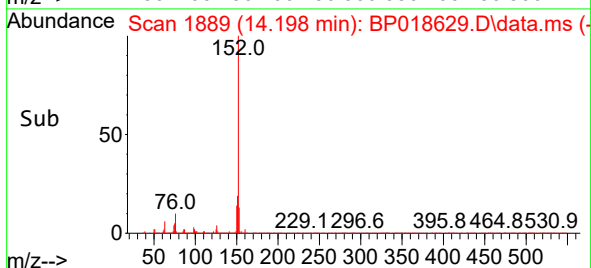
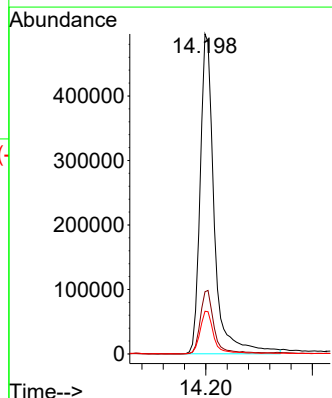
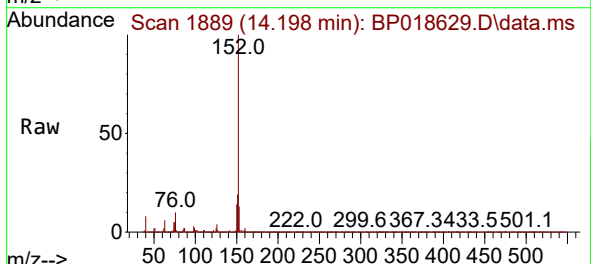
Instrument :
BNA_P
ClientSampleId :
E05M4

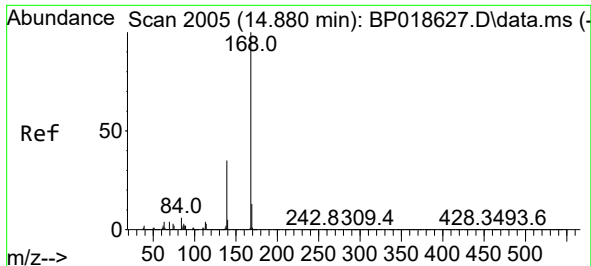
Tgt Ion:105 Resp: 718760
Ion Ratio Lower Upper
105 100
77 74.7 59.4 89.0
51 24.3 19.4 29.0



#50
Acenaphthylene
Concen: 11.283 ng/ul
RT: 14.198 min Scan# 1889
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Tgt Ion:152 Resp: 914635
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 13.3 10.6 16.0

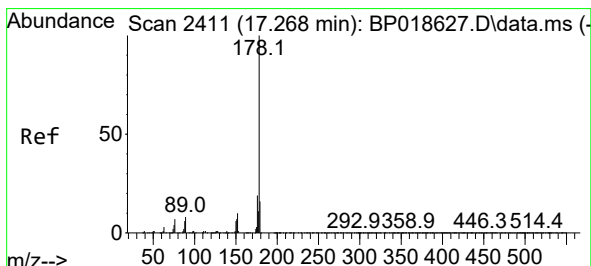
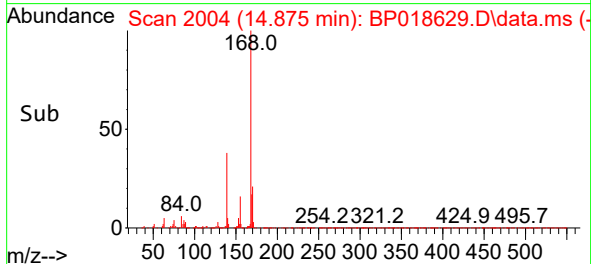
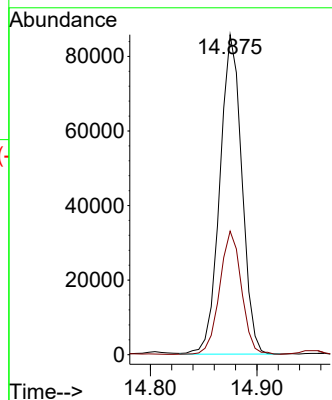
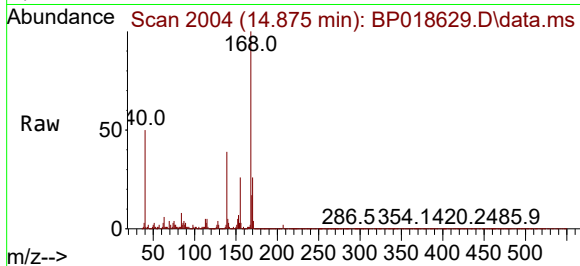




#56
Dibenzofuran
Concen: 1.649 ng/ul
RT: 14.875 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

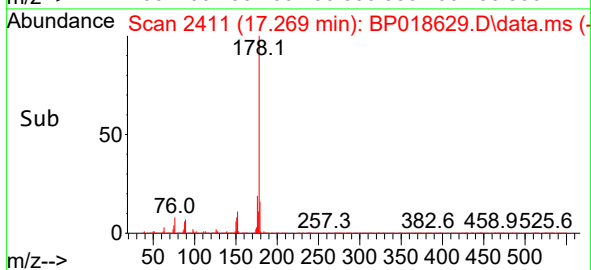
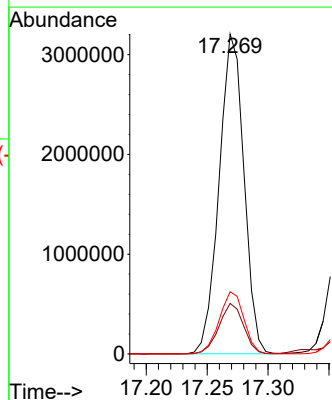
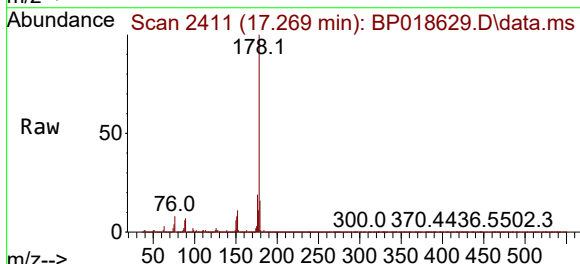
Instrument :
BNA_P
ClientSampleId :
E05M4

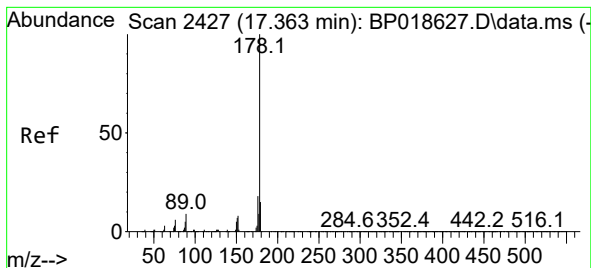
Tgt Ion:168 Resp: 122871
Ion Ratio Lower Upper
168 100
139 38.6 29.1 43.7



#72
Phenanthrene
Concen: 59.805 ng/ul
RT: 17.269 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Tgt Ion:178 Resp: 4538191
Ion Ratio Lower Upper
178 100
179 15.8 12.3 18.5
176 19.5 15.4 23.2





#74

Anthracene

Concen: 20.668 ng/ul

RT: 17.357 min Scan# 2427

Delta R.T. -0.006 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

Instrument :

BNA_P

ClientSampleId :

E05M4

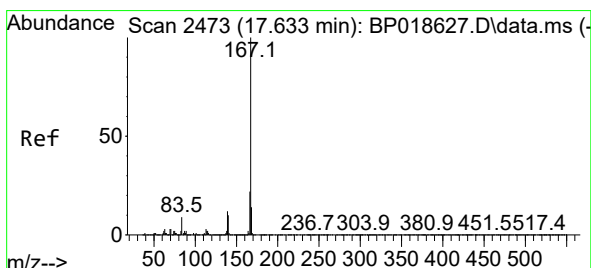
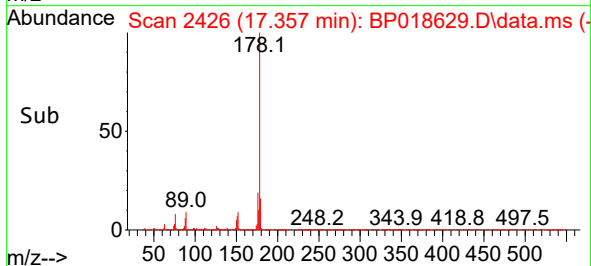
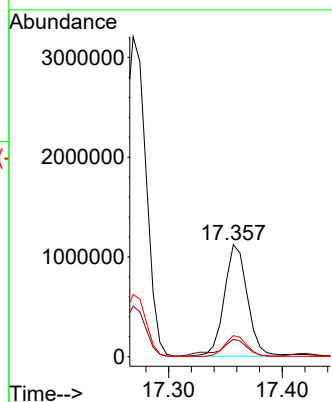
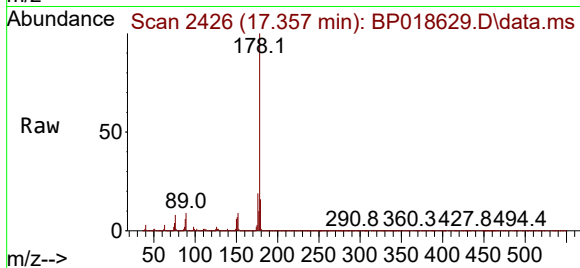
Tgt Ion:178 Resp: 1572060

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 18.8 15.0 22.6



#77

Carbazole

Concen: 4.970 ng/ul

RT: 17.633 min Scan# 2473

Delta R.T. -0.006 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

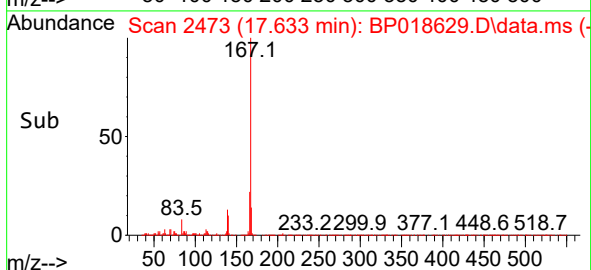
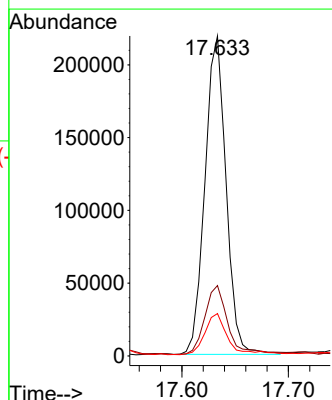
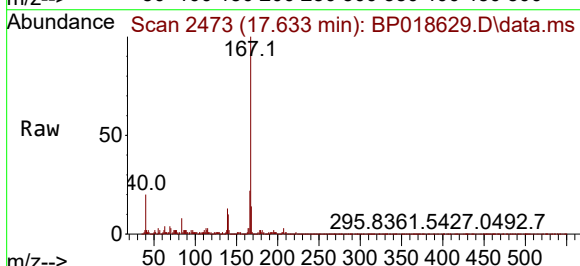
Tgt Ion:167 Resp: 301297

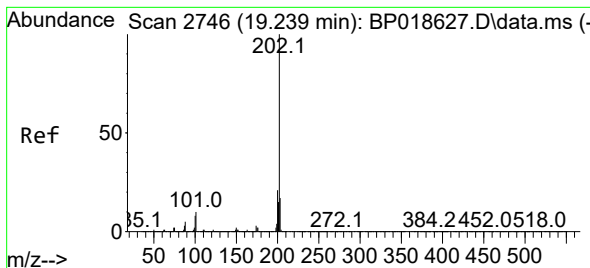
Ion Ratio Lower Upper

167 100

166 22.0 17.1 25.7

139 13.3 10.2 15.4

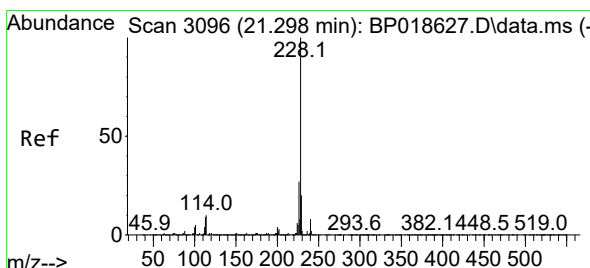
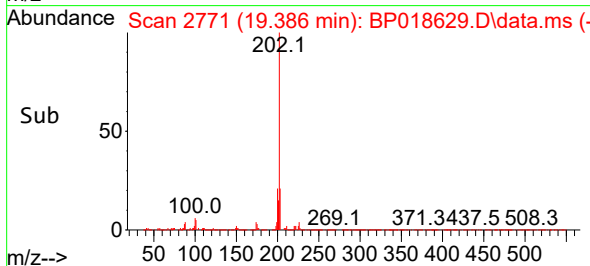
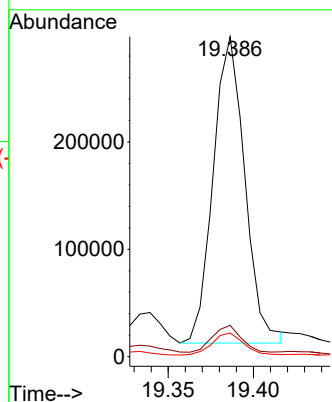
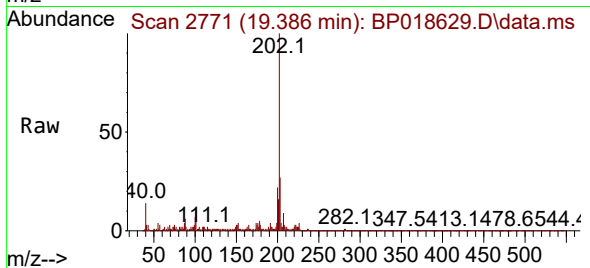




#80
Fluoranthene
Concen: 3.652 ng/ul
RT: 19.386 min Scan# 21
Delta R.T. 0.147 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

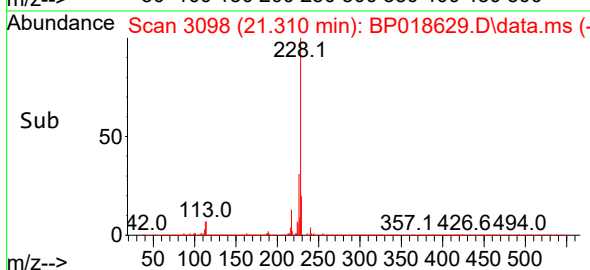
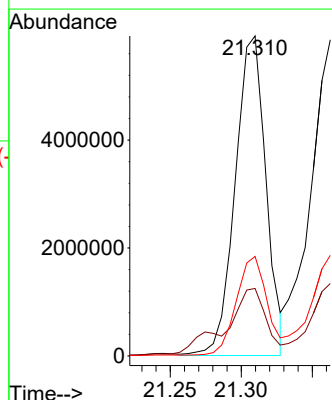
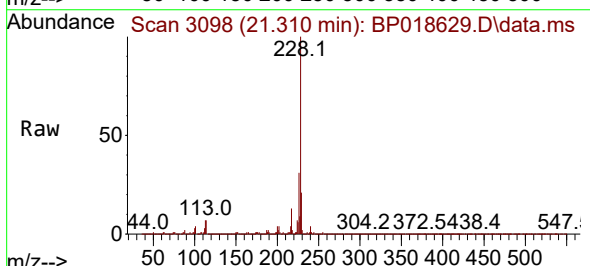
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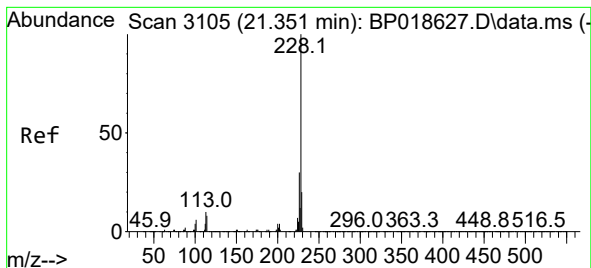
Tgt Ion:202 Resp: 367798
Ion Ratio Lower Upper
202 100
101 9.8 9.1 13.7
100 7.4 7.1 10.7



#85
Benzo(a)anthracene
Concen: 100.377 ng/ul
RT: 21.310 min Scan# 3098
Delta R.T. 0.006 min
Lab File: BP018629.D
Acq: 06 Dec 2023 10:06

Tgt Ion:228 Resp: 8918343
Ion Ratio Lower Upper
228 100
229 21.1 15.7 23.5
226 31.1 21.9 32.9





#87

Chrysene

Concen: 107.465 ng/ul

RT: 21.363 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

Instrument :

BNA_P

ClientSampleId :

E05M4

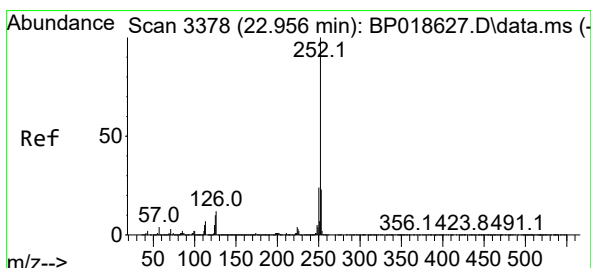
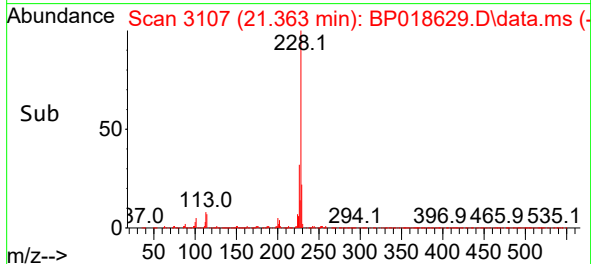
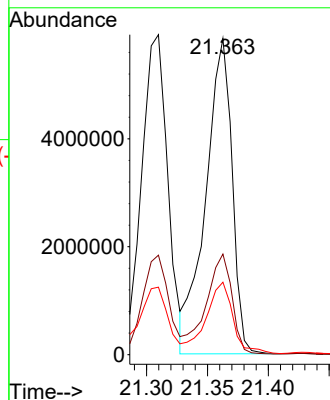
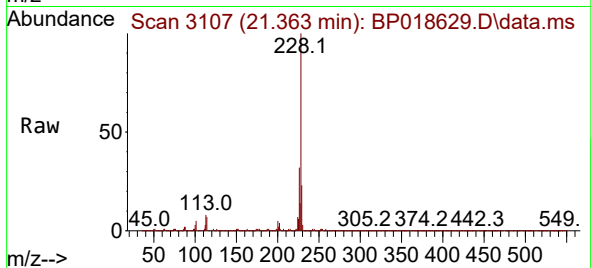
Tgt Ion:228 Resp: 8792698

Ion Ratio Lower Upper

228 100

226 31.8 23.9 35.9

229 22.9 15.6 23.4



#90

Benzo(b)fluoranthene

Concen: 125.470 ng/ul

RT: 22.986 min Scan# 3383

Delta R.T. 0.024 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

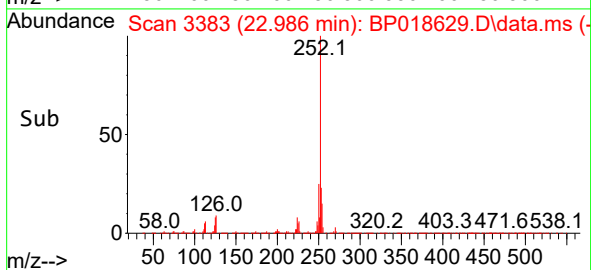
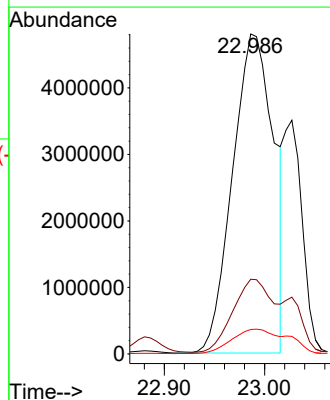
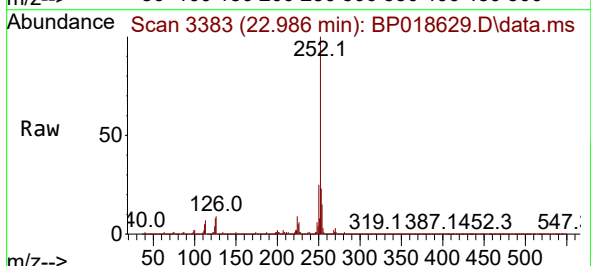
Tgt Ion:252 Resp:13639138

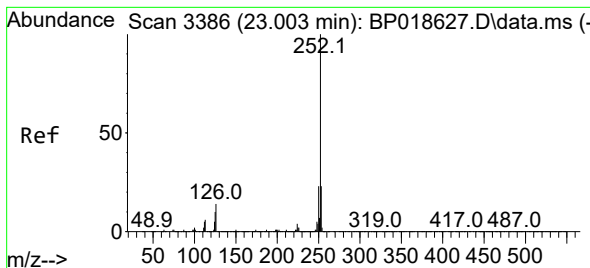
Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 7.6 7.8 11.6#





#91

Benzo(k)fluoranthene

Concen: 129.676 ng/ul

RT: 22.986 min Scan# 31

Delta R.T. -0.029 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

Instrument :

BNA_P

ClientSampleId :

E05M4

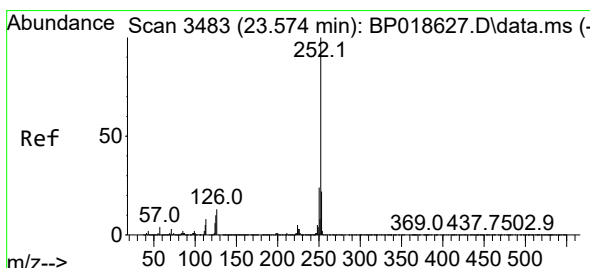
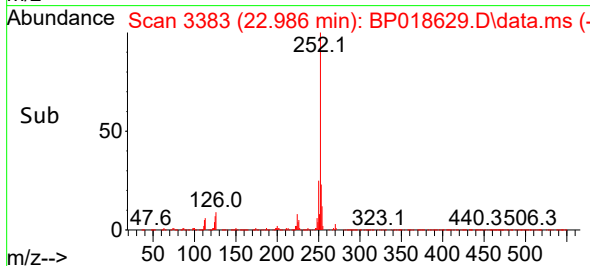
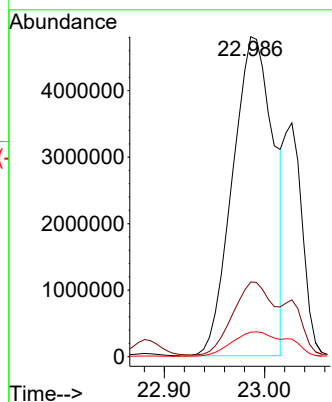
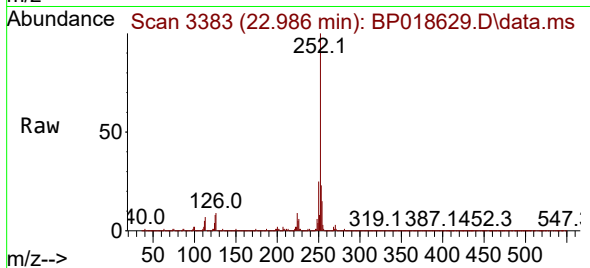
Tgt Ion:252 Resp:13639138

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 7.6 8.0 12.0#



#93

Benzo(a)pyrene

Concen: 68.835 ng/ul

RT: 23.498 min Scan# 3470

Delta R.T. -0.088 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

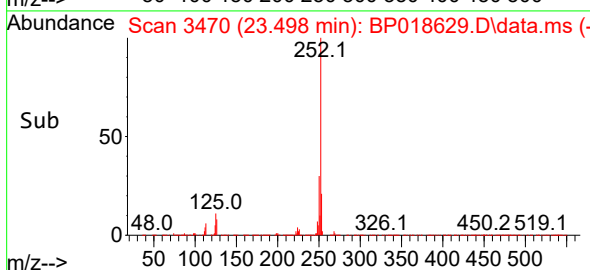
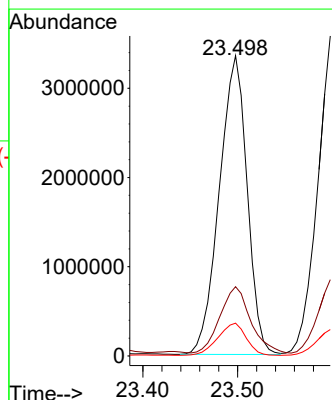
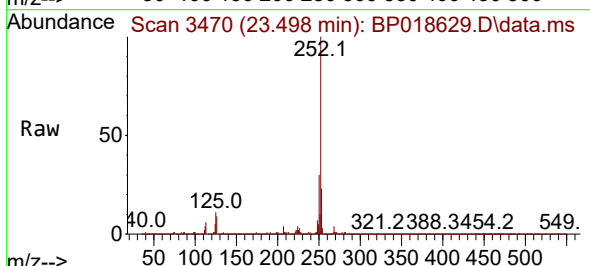
Tgt Ion:252 Resp: 6837144

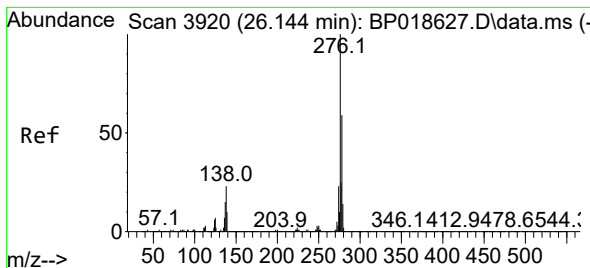
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 10.9 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 65.479 ng/ul

RT: 26.192 min Scan# 3928

Delta R.T. 0.035 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

Instrument :

BNA_P

ClientSampleId :

E05M4

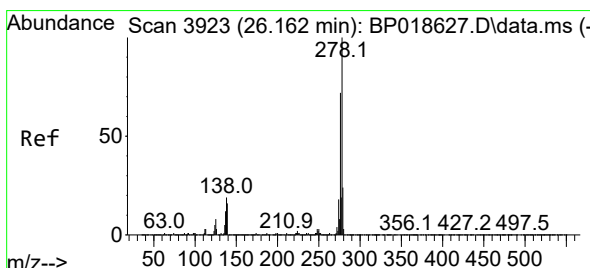
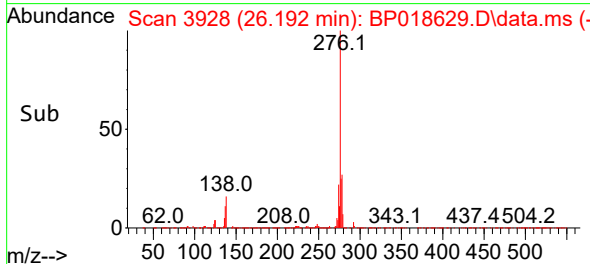
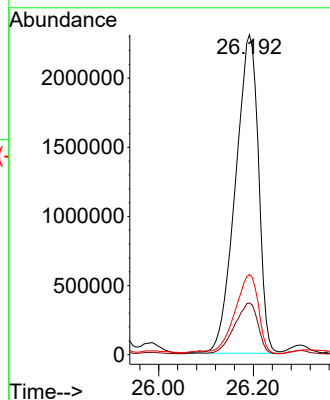
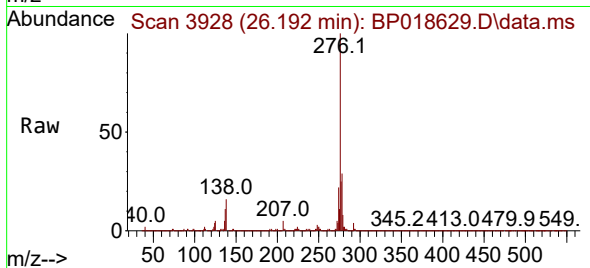
Tgt Ion:276 Resp: 7770689

Ion Ratio Lower Upper

276 100

138 16.2 19.4 29.2#

277 25.0 19.8 29.6



#95

Dibenzo(a,h)anthracene

Concen: 21.684 ng/ul

RT: 26.192 min Scan# 3928

Delta R.T. 0.012 min

Lab File: BP018629.D

Acq: 06 Dec 2023 10:06

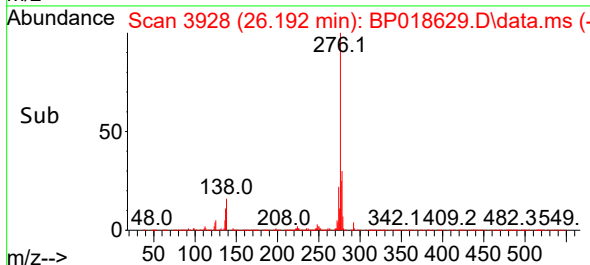
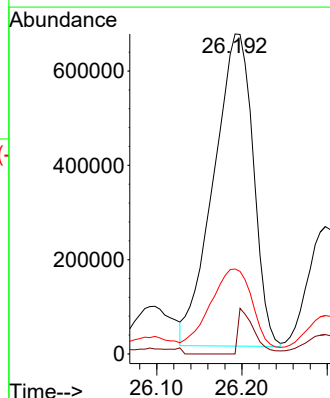
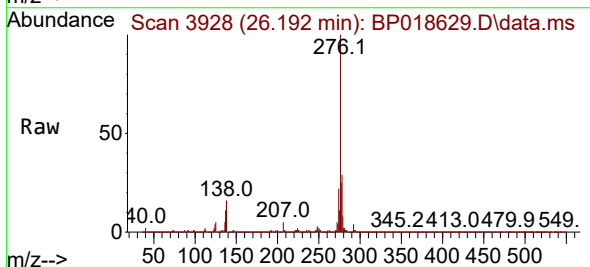
Tgt Ion:278 Resp: 2140630

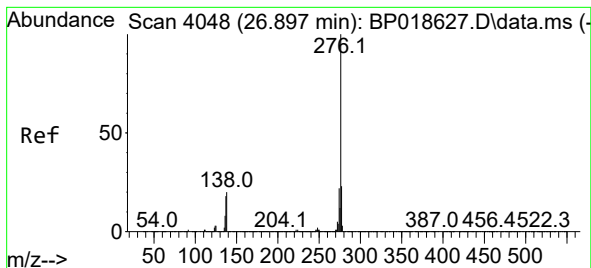
Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.6#

279 26.5 18.7 28.1





#96

Benzo(g,h,i)perylene

Concen: 71.431 ng/ul

RT: 26.956 min Scan# 40

Delta R.T. 0.041 min

Lab File: BP018629.D

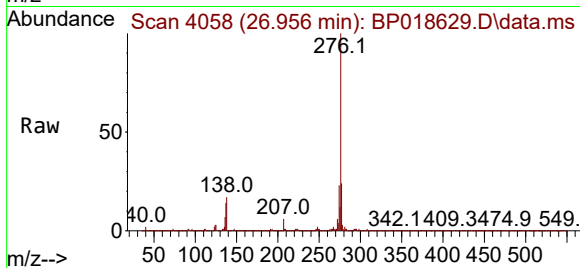
Acq: 06 Dec 2023 10:06

Instrument :

BNA_P

ClientSampleId :

E05M4



Tgt Ion:276 Resp: 6822102

Ion Ratio Lower Upper

276 100

138 16.9 18.1 27.1#

277 24.3 19.4 29.0

