

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018914.D
 Acq On : 18 Dec 2023 19:17
 Operator : MA/JU
 Sample : 05818-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BGRG6

Quant Time: Dec 18 21:42:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

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

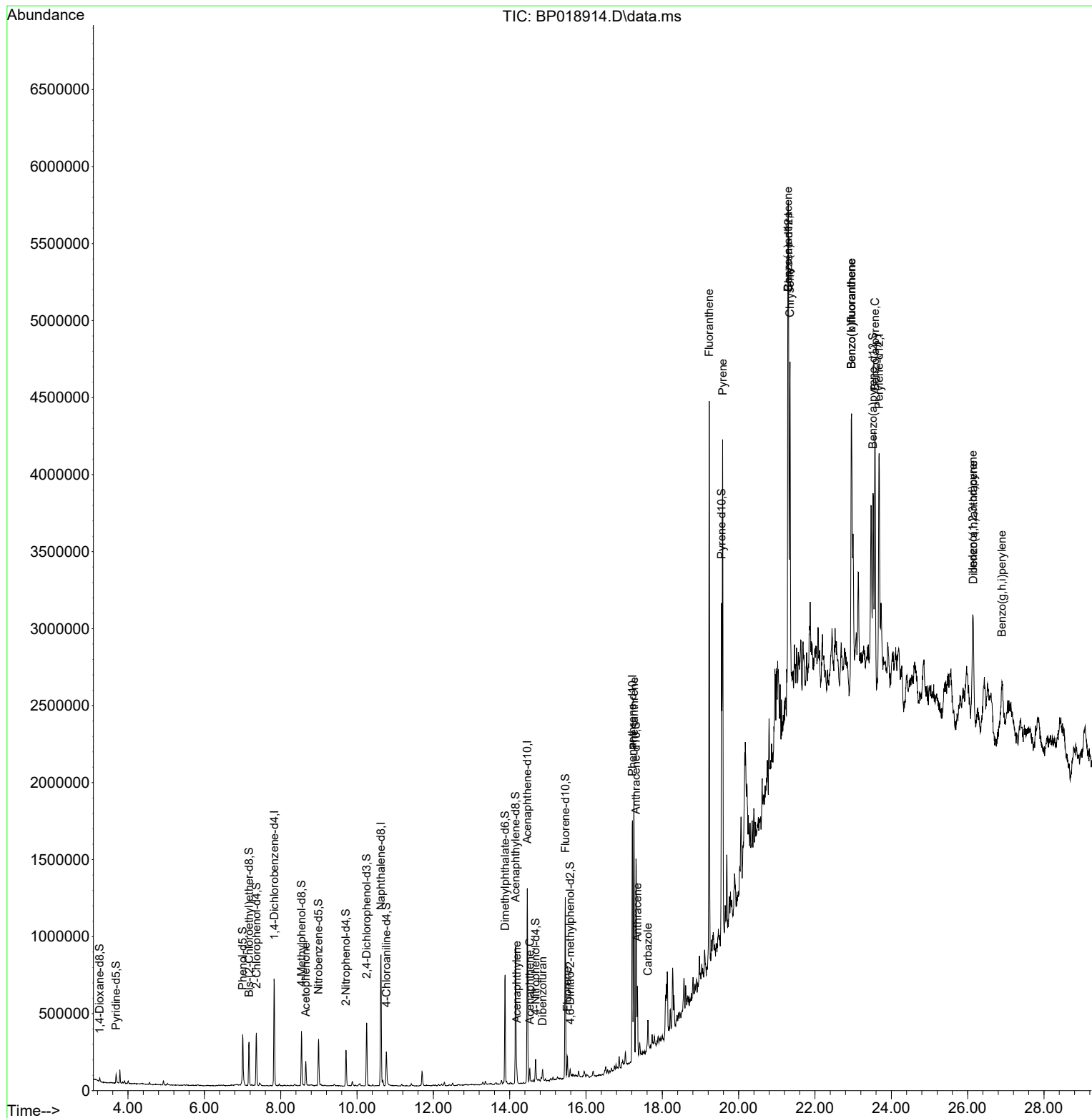
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.834	152	191575	20.000	ng/u1	0.00
20) Naphthalene-d8	10.628	136	698638	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.463	164	423437	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.216	188	967617	20.000	ng/u1	0.00
79) Chrysene-d12	21.304	240	952647	20.000	ng/u1	0.00
88) Perylene-d12	23.680	264	1172165	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	11732	2.087	ng/uL	0.00
4) Pyridine-d5	3.687	84	23210	1.541	ng/u1	0.01
7) Phenol-d5	7.005	99	194058	10.094	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	117035	10.271	ng/u1	0.00
11) 2-Chlorophenol-d4	7.363	132	162078	10.804	ng/u1	0.00
15) 4-Methylphenol-d8	8.546	113	133891	8.606	ng/u1	0.00
21) Nitrobenzene-d5	8.993	128	75056	12.071	ng/u1	0.00
24) 2-Nitrophenol-d4	9.710	143	78343	12.152	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.252	165	159954	12.134	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	128006	7.430	ng/u1	0.00
46) Dimethylphthalate-d6	13.881	166	485058	12.835	ng/u1	0.00
49) Acenaphthylene-d8	14.157	160	577239	13.871	ng/u1	0.00
54) 4-Nitrophenol-d4	14.681	143	40620	6.548	ng/u1	0.01
60) Fluorene-d10	15.457	176	454920	14.341	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.587	200	11822	2.038	ng/u1	0.00
73) Anthracene-d10	17.310	188	734881	14.446	ng/u1	0.00
81) Pyrene-d10	19.551	212	900521	12.144	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.521	264	946043	13.842	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.658	105	86712	3.740	ng/u1	99
50) Acenaphthylene	14.187	152	67685	1.447	ng/u1	99
52) Acenaphthene	14.528	153	37590	1.215	ng/u1	96
56) Dibenzofuran	14.863	168	43546	1.013	ng/u1	95
61) Fluorene	15.510	166	60986	1.793	ng/u1	97
72) Phenanthrene	17.257	178	1070891	18.325	ng/u1	99
74) Anthracene	17.345	178	295539	5.045	ng/u1	98
77) Carbazole	17.622	167	127508	2.731	ng/u1	97
80) Fluoranthene	19.228	202	2164370	24.692	ng/u1	95
82) Pyrene	19.580	202	1959504	22.159	ng/u1	94
85) Benzo(a)anthracene	21.292	228	1259501	16.288	ng/u1	98
87) Chrysene	21.345	228	1176676	16.525	ng/u1	97
90) Benzo(b)fluoranthene	22.957	252	1702538	19.700	ng/u1	96
91) Benzo(k)fluoranthene	22.957	252	1702538	20.360	ng/u1	97
93) Benzo(a)pyrene	23.574	252	1248076	15.805	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.133	276	910635	9.652	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.151	278	248876	3.171	ng/u1#	84
96) Benzo(g,h,i)perylene	26.898	276	376510	4.959	ng/u1	94

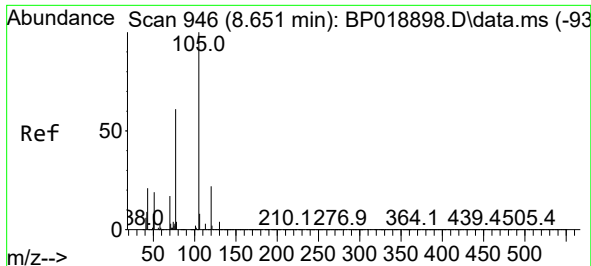
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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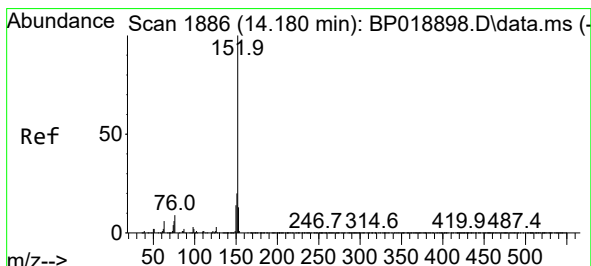
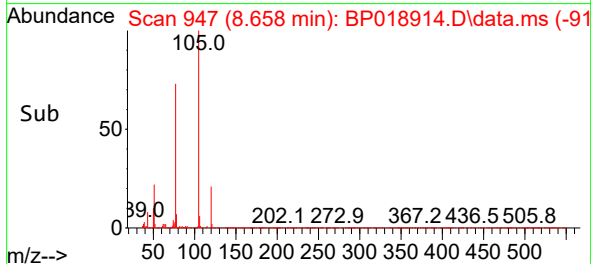
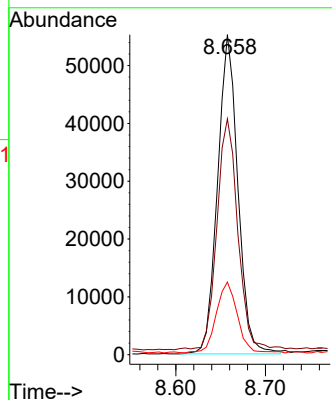
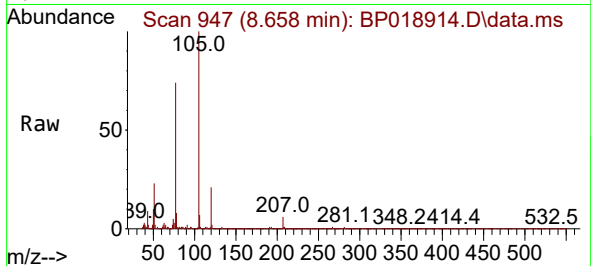




#16
Acetophenone
Concen: 3.740 ng/ul
RT: 8.658 min Scan# 946
Delta R.T. 0.000 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

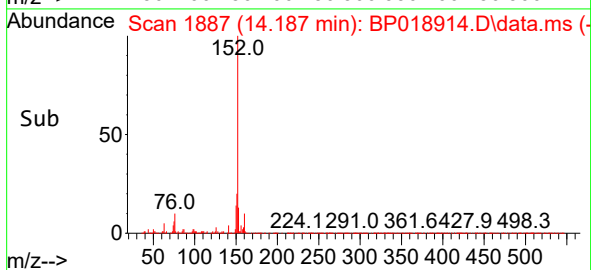
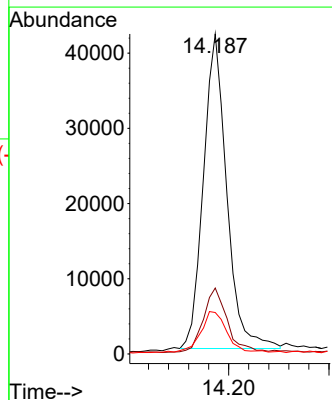
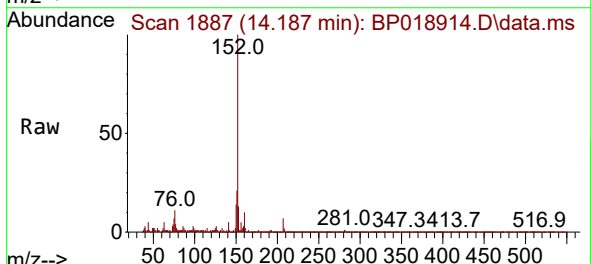
Instrument :
BNA_P
ClientSampleId :
BGRG6

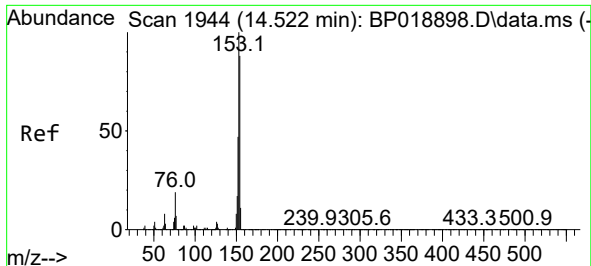
Tgt Ion:105 Resp: 86712
Ion Ratio Lower Upper
105 100
77 73.7 59.4 89.0
51 22.7 19.4 29.0



#50
Acenaphthylene
Concen: 1.447 ng/ul
RT: 14.187 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

Tgt Ion:152 Resp: 67685
Ion Ratio Lower Upper
152 100
151 20.6 15.9 23.9
153 13.0 10.6 16.0

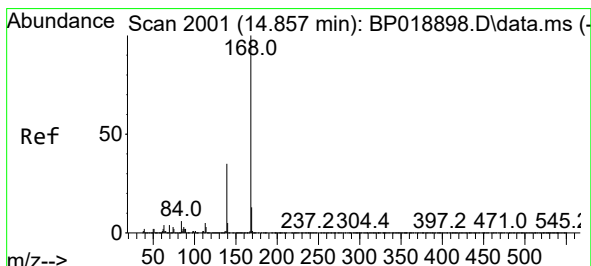
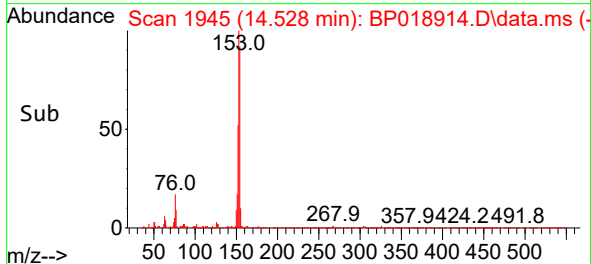
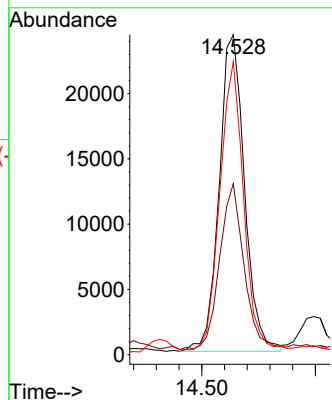
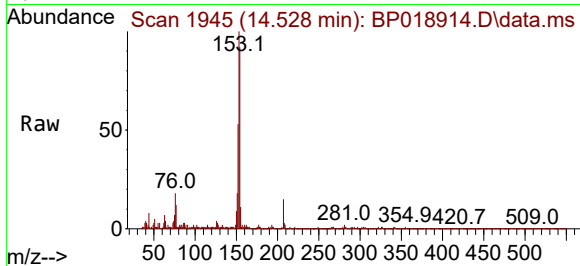




#52
Acenaphthene
Concen: 1.215 ng/ul
RT: 14.528 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

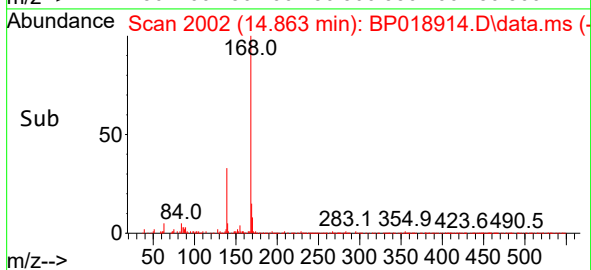
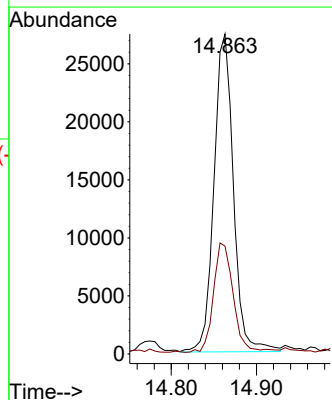
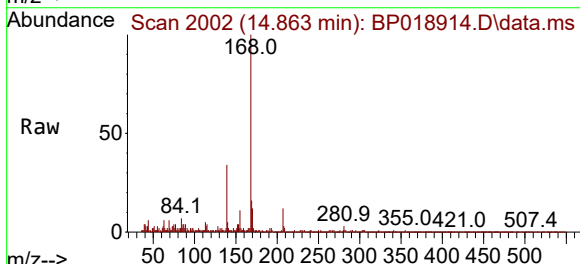
Instrument :
BNA_P
ClientSampleId :
BGRG6

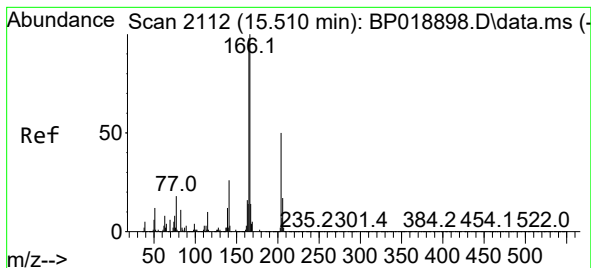
Tgt Ion:153 Resp: 37590
Ion Ratio Lower Upper
153 100
152 53.4 38.1 57.1
154 91.6 71.7 107.5



#56
Dibenzofuran
Concen: 1.013 ng/ul
RT: 14.863 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

Tgt Ion:168 Resp: 43546
Ion Ratio Lower Upper
168 100
139 33.7 29.1 43.7





#61

Fluorene

Concen: 1.793 ng/ul

RT: 15.510 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

Instrument :

BNA_P

ClientSampleId :

BGRG6

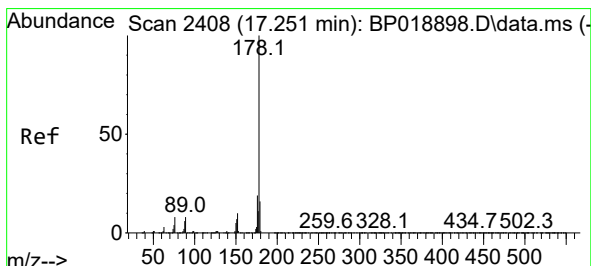
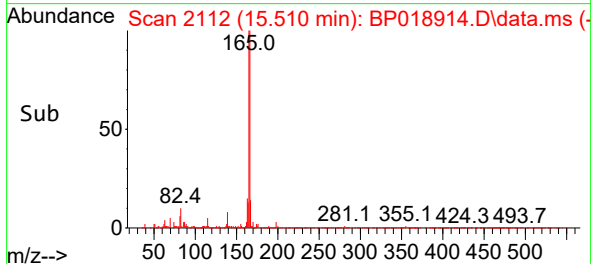
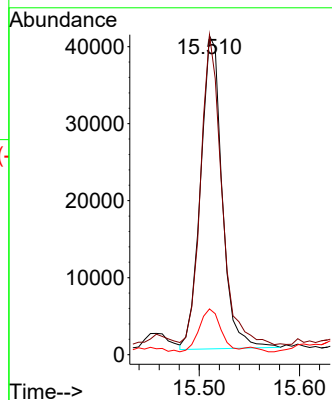
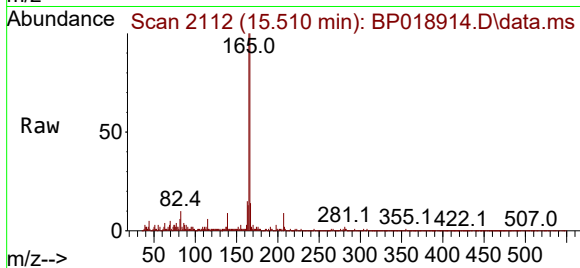
Tgt Ion:166 Resp: 60986

Ion Ratio Lower Upper

166 100

165 100.3 78.0 117.0

167 14.3 10.8 16.2



#72

Phenanthrene

Concen: 18.325 ng/ul

RT: 17.257 min Scan# 2409

Delta R.T. 0.000 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

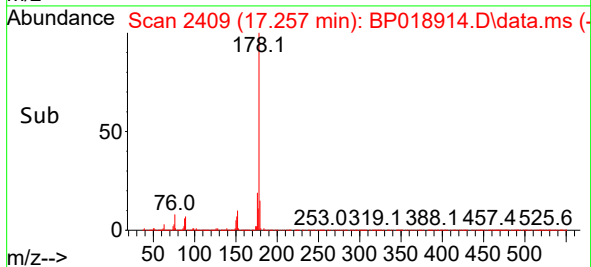
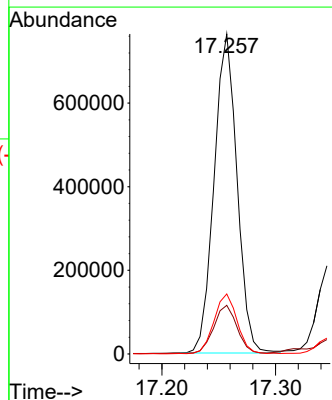
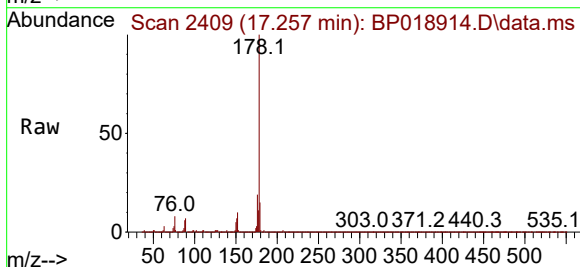
Tgt Ion:178 Resp: 1070891

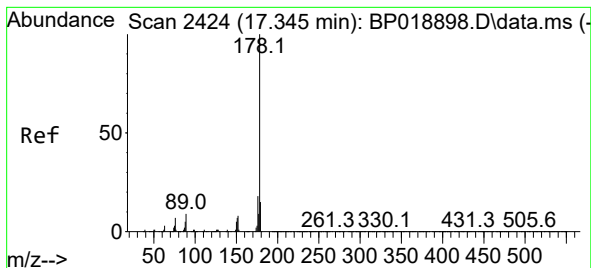
Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

176 18.7 15.4 23.2





#74

Anthracene

Concen: 5.045 ng/ul

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

Instrument :

BNA_P

ClientSampleId :

BGRG6

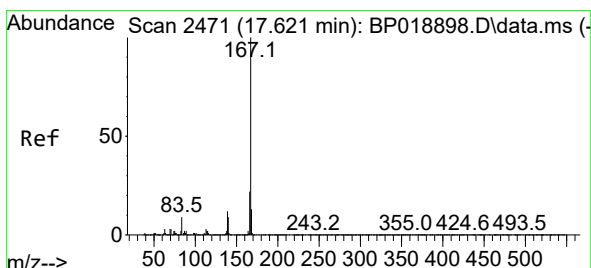
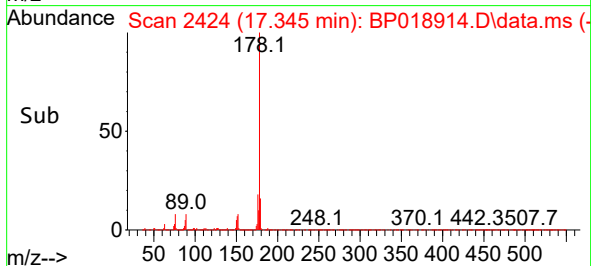
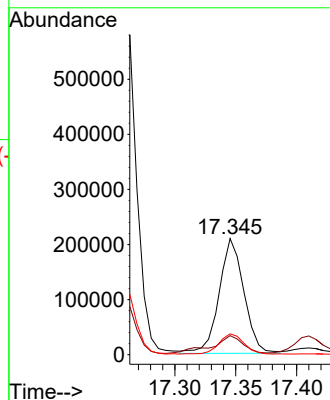
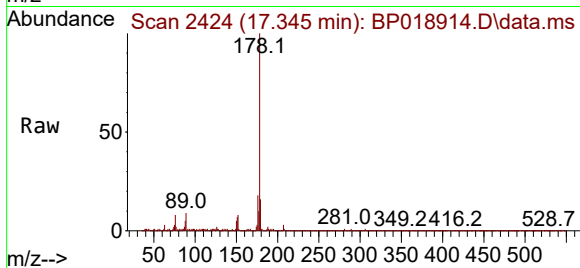
Tgt Ion:178 Resp: 295539

Ion Ratio Lower Upper

178 100

179 16.4 12.5 18.7

176 18.0 15.0 22.6



#77

Carbazole

Concen: 2.731 ng/ul

RT: 17.622 min Scan# 2471

Delta R.T. 0.000 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

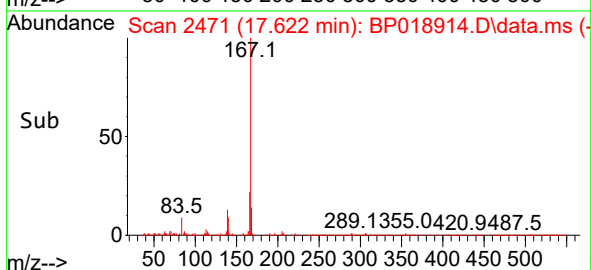
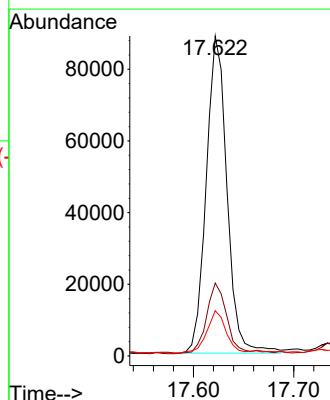
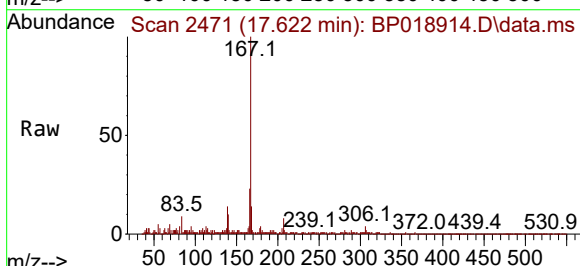
Tgt Ion:167 Resp: 127508

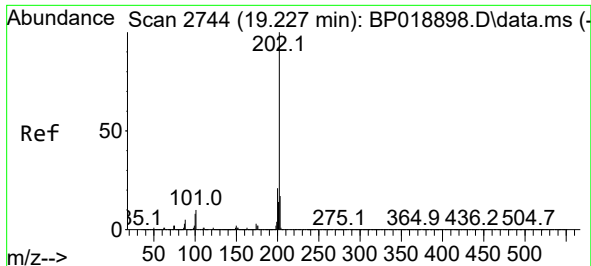
Ion Ratio Lower Upper

167 100

166 22.8 17.1 25.7

139 14.2 10.2 15.4

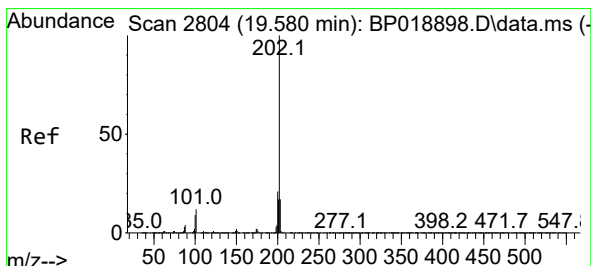
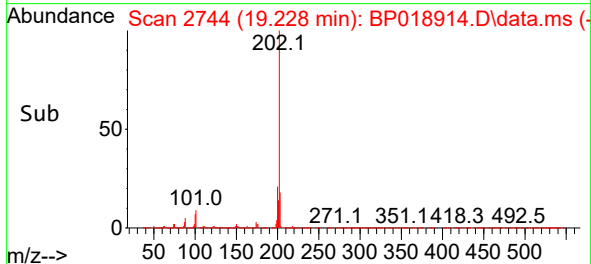
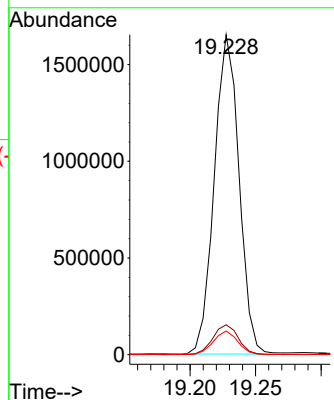
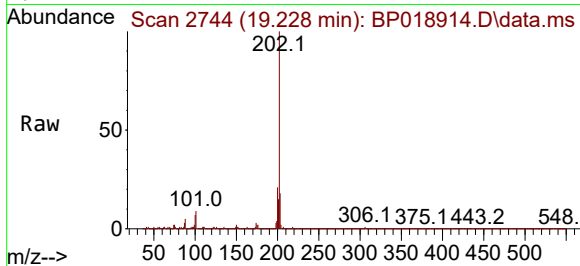




#80
Fluoranthene
Concen: 24.692 ng/ul
RT: 19.228 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

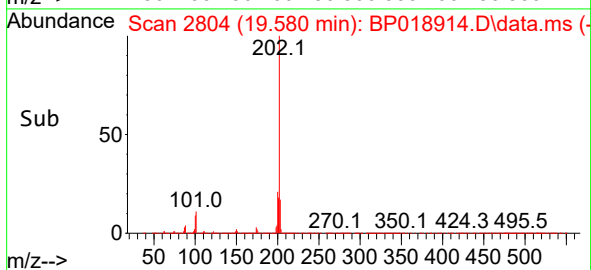
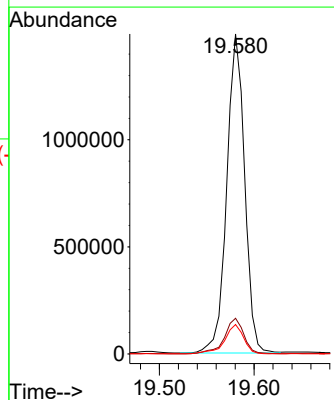
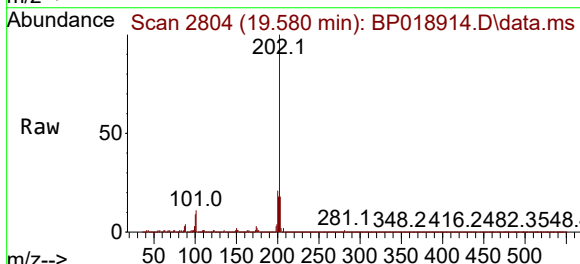
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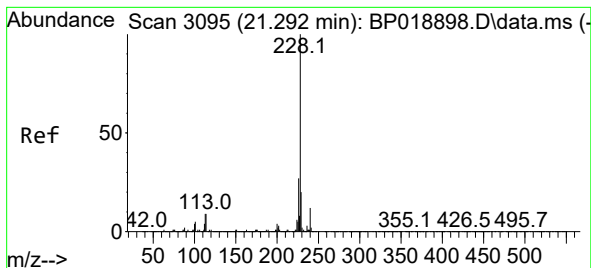
Tgt Ion:202 Resp: 2164370
Ion Ratio Lower Upper
202 100
101 9.3 9.1 13.7
100 7.4 7.1 10.7



#82
Pyrene
Concen: 22.159 ng/ul
RT: 19.580 min Scan# 2804
Delta R.T. 0.000 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

Tgt Ion:202 Resp: 1959504
Ion Ratio Lower Upper
202 100
101 11.2 11.0 16.4
100 9.2 9.1 13.7





#85

Benzo(a)anthracene

Concen: 16.288 ng/ul

RT: 21.292 min Scan# 3095

Delta R.T. 0.006 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

Instrument :

BNA_P

ClientSampleId :

BGRG6

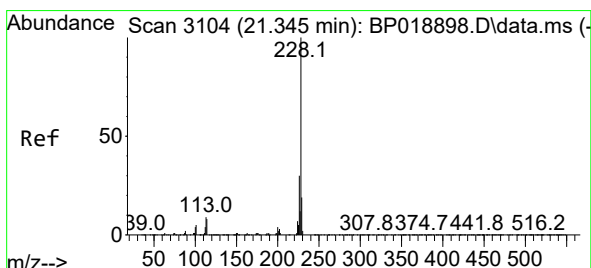
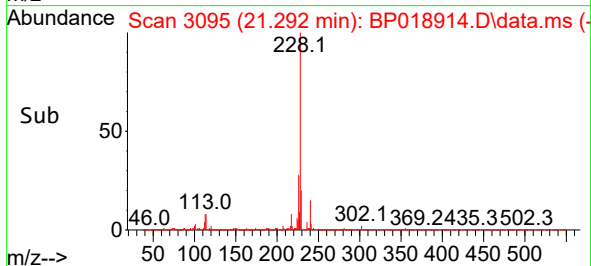
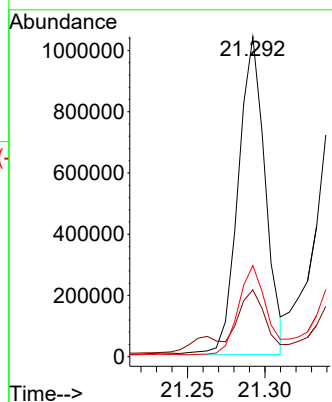
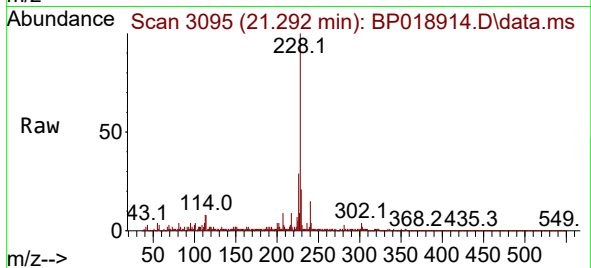
Tgt Ion:228 Resp: 1259501

Ion Ratio Lower Upper

228 100

229 20.9 15.7 23.5

226 28.5 21.9 32.9



#87

Chrysene

Concen: 16.525 ng/ul

RT: 21.345 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

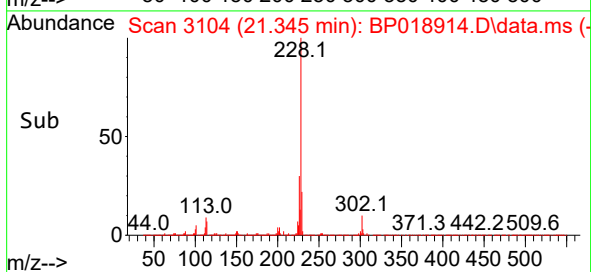
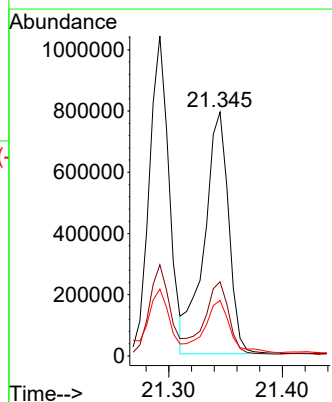
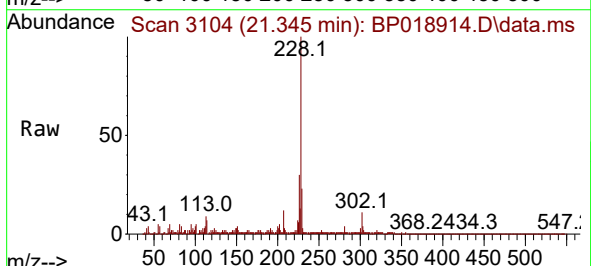
Tgt Ion:228 Resp: 1176676

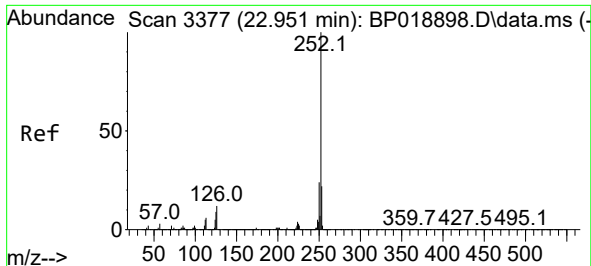
Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

229 22.8 15.6 23.4

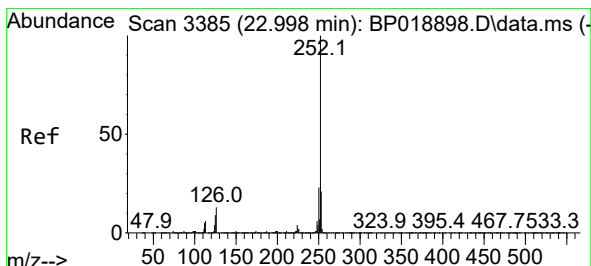
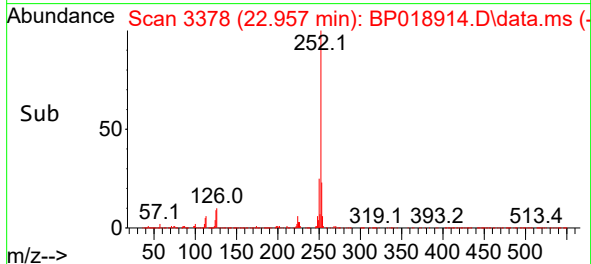
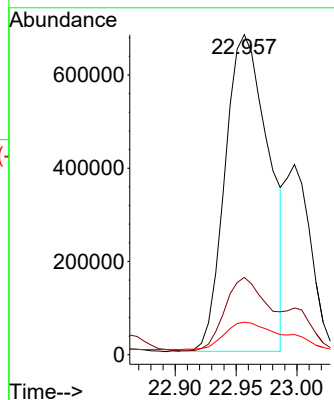
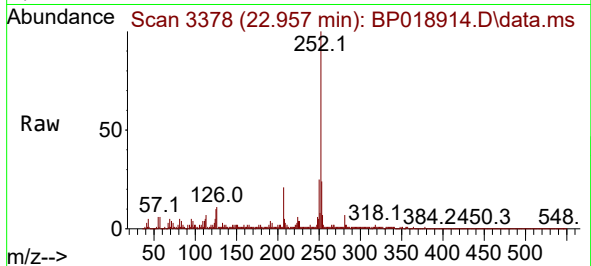




#90
Benzo(b)fluoranthene
Concen: 19.700 ng/ul
RT: 22.957 min Scan# 3378
Delta R.T. 0.012 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

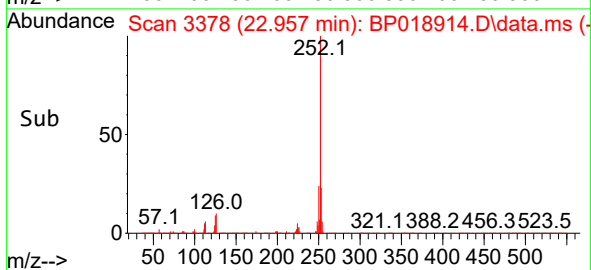
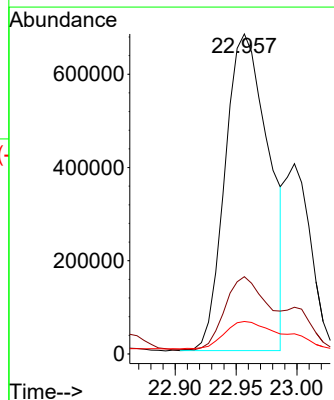
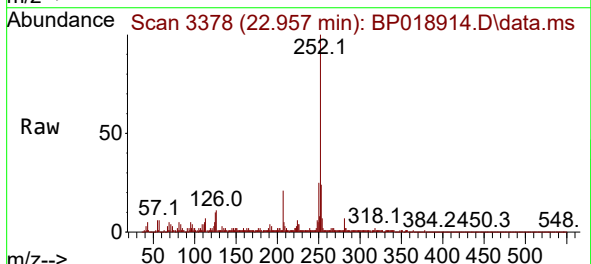
Instrument :
BNA_P
ClientSampleId :
BGRG6

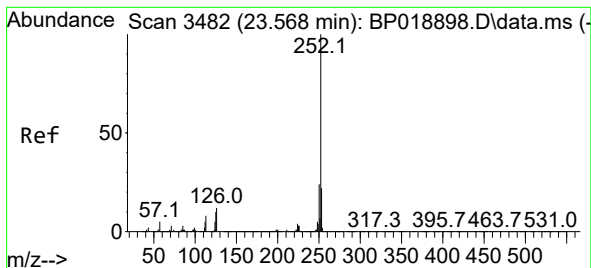
Tgt Ion:252 Resp: 1702538
Ion Ratio Lower Upper
252 100
253 24.2 17.3 25.9
125 10.1 7.8 11.6



#91
Benzo(k)fluoranthene
Concen: 20.360 ng/ul
RT: 22.957 min Scan# 3378
Delta R.T. -0.035 min
Lab File: BP018914.D
Acq: 18 Dec 2023 19:17

Tgt Ion:252 Resp: 1702538
Ion Ratio Lower Upper
252 100
253 24.2 17.7 26.5
125 10.1 8.0 12.0





#93

Benzo(a)pyrene

Concen: 15.805 ng/ul

RT: 23.574 min Scan# 3482

Delta R.T. 0.012 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

Instrument :

BNA_P

ClientSampleId :

BGRG6

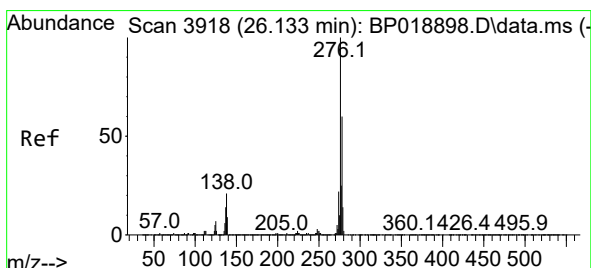
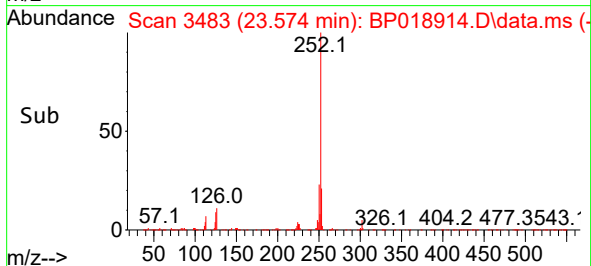
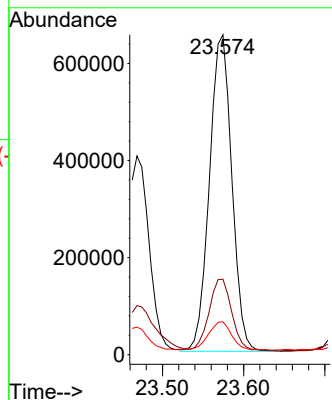
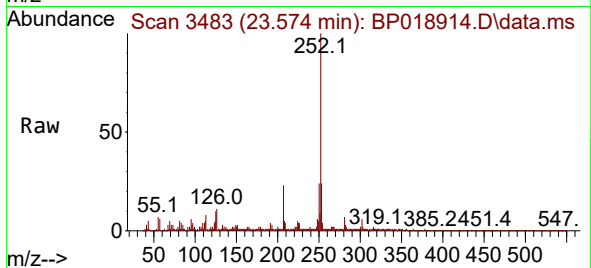
Tgt Ion:252 Resp: 1248076

Ion Ratio Lower Upper

252 100

253 23.6 17.8 26.8

125 10.3 9.2 13.8



#94

Indeno(1,2,3-cd)pyrene

Concen: 9.652 ng/ul

RT: 26.133 min Scan# 3918

Delta R.T. 0.012 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

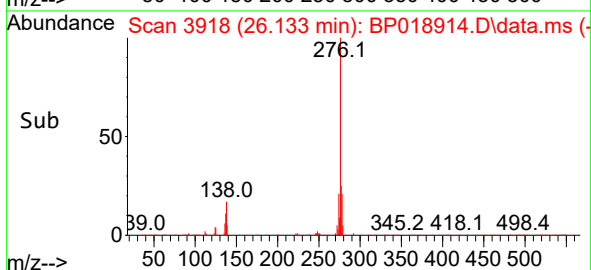
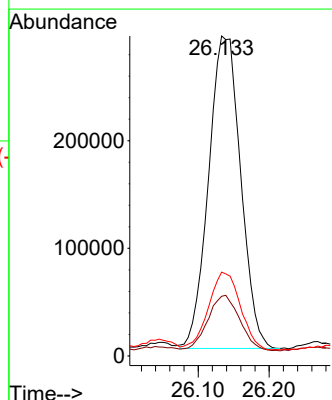
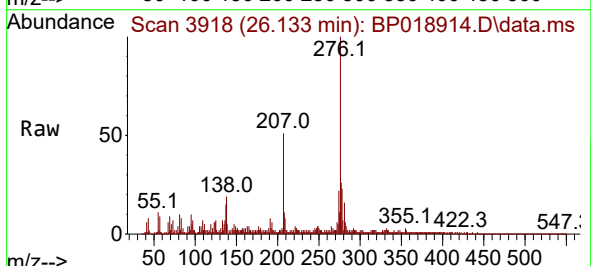
Tgt Ion:276 Resp: 910635

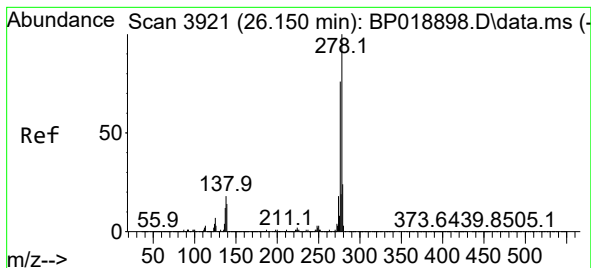
Ion Ratio Lower Upper

276 100

138 18.7 19.4 29.2#

277 26.2 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 3.171 ng/ul

RT: 26.151 min Scan# 3921

Delta R.T. 0.012 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

Instrument :

BNA_P

ClientSampleId :

BGRG6

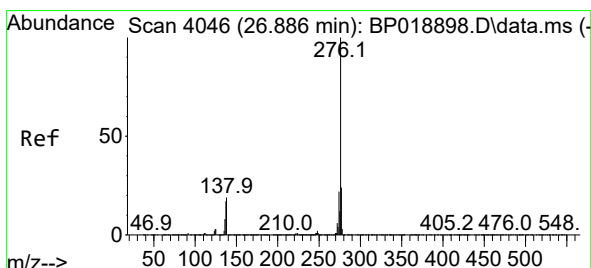
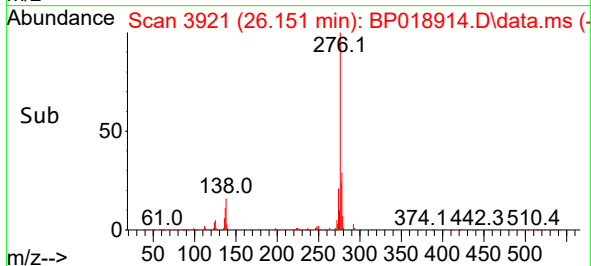
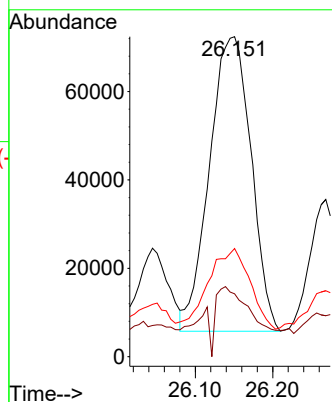
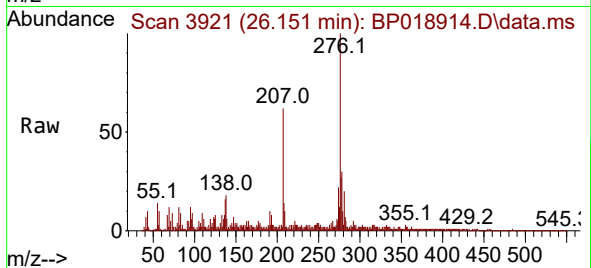
Tgt Ion:278 Resp: 248876

Ion Ratio Lower Upper

278 100

139 19.7 13.0 19.6#

279 33.8 18.7 28.1#



#96

Benzo(g,h,i)perylene

Concen: 4.959 ng/ul

RT: 26.898 min Scan# 4048

Delta R.T. 0.024 min

Lab File: BP018914.D

Acq: 18 Dec 2023 19:17

Tgt Ion:276 Resp: 376510

Ion Ratio Lower Upper

276 100

138 20.1 18.1 27.1

277 27.3 19.4 29.0

