

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP063023\
 Data File : BP015879.D
 Acq On : 01 Jul 2023 11:28
 Operator : MA/JU
 Sample : 03242-16
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCGB7

Quant Time: Jul 02 00:44:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 30 22:30:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.052	152	322204	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.875	136	1357168	20.000	ng/ul	#-0.02
38) Acenaphthene-d10	14.698	164	738588	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.463	188	1227051	20.000	ng/ul	#-0.01
79) Chrysene-d12	21.557	240	774851	20.000	ng/ul	# 0.00
88) Perylene-d12	24.104	264	1134673	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.376	96	26635	2.974	ng/uL	-0.01
4) Pyridine-d5	3.823	84	1154	0.051	ng/ul	0.00
7) Phenol-d5	7.228	99	571504	20.731	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.375	67	385328	22.592	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.581	132	460694	22.138	ng/ul	-0.01
15) 4-Methylphenol-d8	8.787	113	459100	21.080	ng/ul	0.00
21) Nitrobenzene-d5	9.240	128	231281	22.299	ng/ul	0.00
24) 2-Nitrophenol-d4	9.969	143	252465	20.856	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.528	165	438443	20.325	ng/ul	0.00
31) 4-Chloroaniline-d4	11.057	131	327407	11.815	ng/ul	0.02
46) Dimethylphthalate-d6	14.110	166	1350656	23.660	ng/ul	-0.01
49) Acenaphthylene-d8	14.398	160	1515704	23.619	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.928	143	1903	0.253	ng/ul	-0.02
60) Fluorene-d10	15.693	176	1045445	22.241	ng/ul	-0.02
65) 4,6-Dinitro-2-methylph...	15.869	200	68166	9.033	ng/ul	0.01
73) Anthracene-d10	17.563	188	1314212	23.447	ng/ul	-0.01
81) Pyrene-d10	19.792	212	1213488	23.984	ng/ul	-0.01
92) Benzo(a)pyrene-d12	23.945	264	1317912	23.025	ng/ul	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.205	77	21762	1.952	ng/ul	95
8) Phenol	7.264	94	47515	1.661	ng/ul#	87
16) Acetophenone	8.899	105	312430	8.727	ng/ul	98
30) Naphthalene	10.928	128	485445	6.580	ng/ul	99
36) 2-Methylnaphthalene	12.540	142	138936	2.861	ng/ul	98
37) 1-Methylnaphthalene	12.757	142	106270	2.145	ng/ul	99
43) 1,1'-Biphenyl	13.540	154	60140	1.028	ng/ul	97
50) Acenaphthylene	14.428	152	448393	6.341	ng/ul	98
52) Acenaphthene	14.763	153	799182	16.299	ng/ul	98
56) Dibenzofuran	15.104	168	508003	7.463	ng/ul	96
61) Fluorene	15.751	166	729859	13.219	ng/ul	99
72) Phenanthrene	17.510	178	10280698	154.225	ng/ul	98
74) Anthracene	17.598	178	2834926	42.324	ng/ul	99
77) Carbazole	17.875	167	1311090	23.223	ng/ul	99
80) Fluoranthene	19.475	202	16239177	258.253	ng/ul	99
82) Pyrene	19.828	202	15354462	239.377	ng/ul	98
85) Benzo(a)anthracene	21.539	228	9877245	181.211	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.416	149	81955	2.279	ng/ul	98
87) Chrysene	21.604	228	10182413	196.899	ng/ul	95
90) Benzo(b)fluoranthene	23.339	252	17298903	237.272	ng/ul	97
91) Benzo(k)fluoranthene	23.380	252	5644078	76.620	ng/ul	95
93) Benzo(a)pyrene	24.016	252	12316486	193.334	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.851	276	11163816	129.088	ng/ul	99
95) Dibenzo(a,h)anthracene	26.839	278	2805075	39.489	ng/ul#	81

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 30 22:30:25 2023
Response via : Initial Calibration

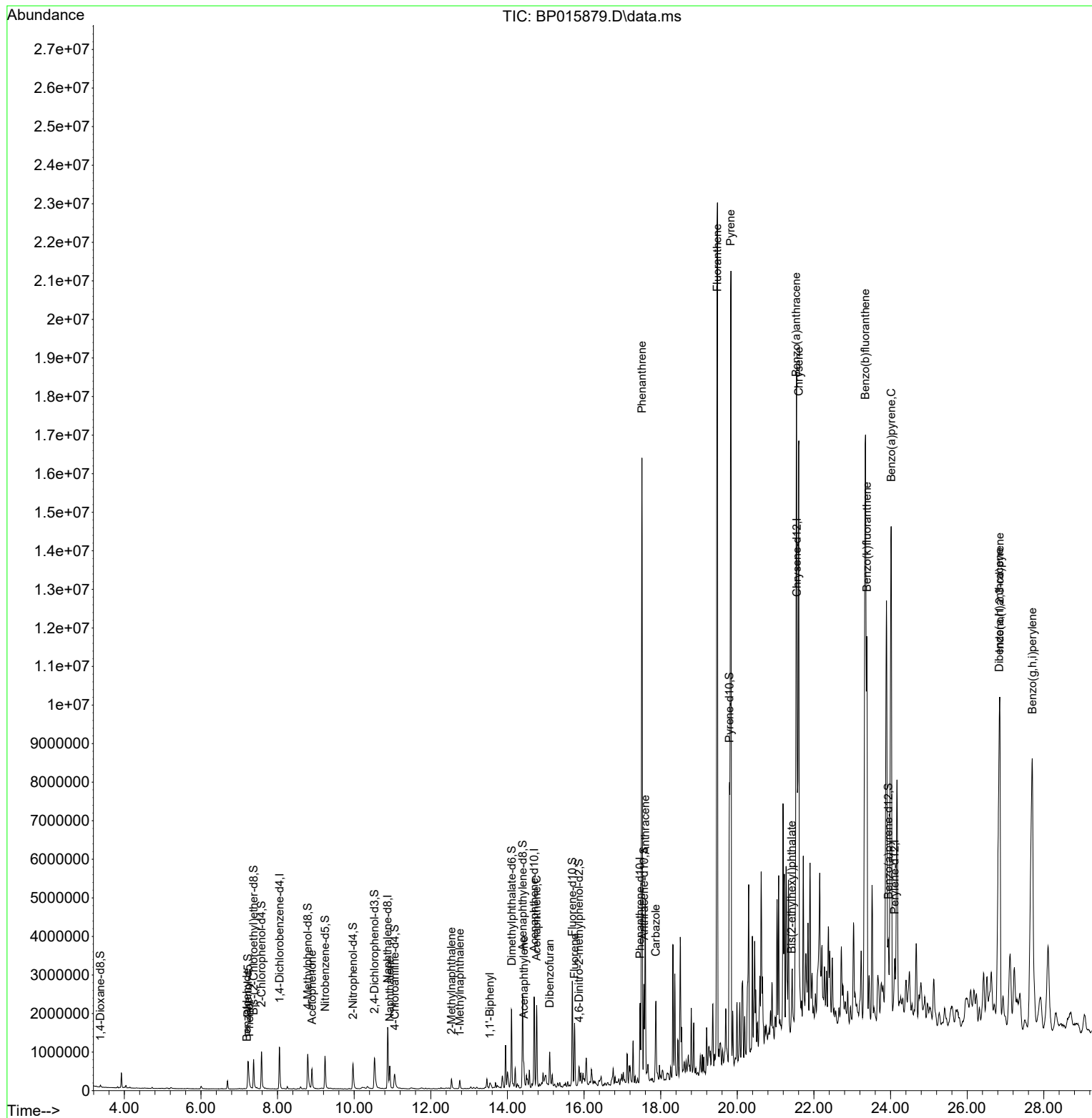
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.698	276	11219981	157.702	ng/ul	95

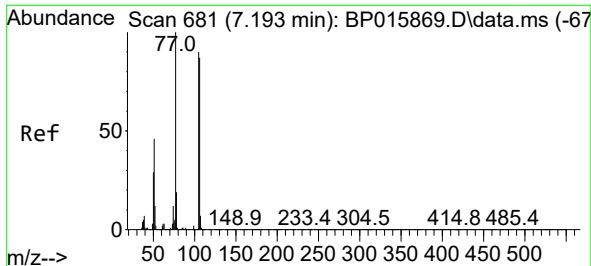
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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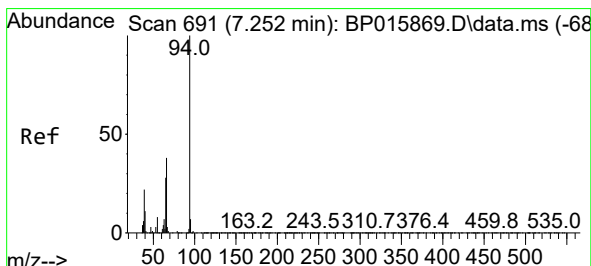
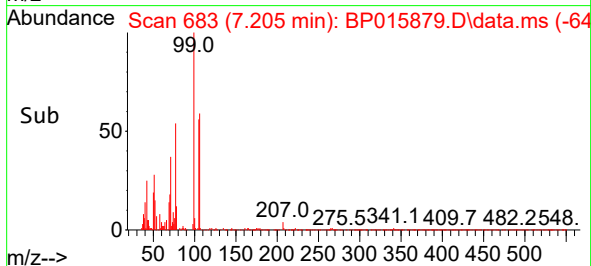
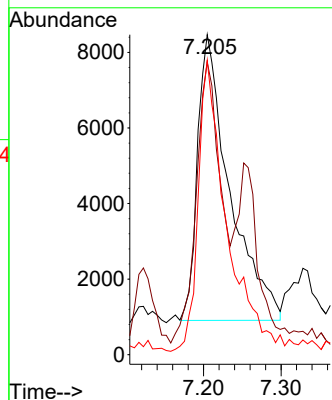
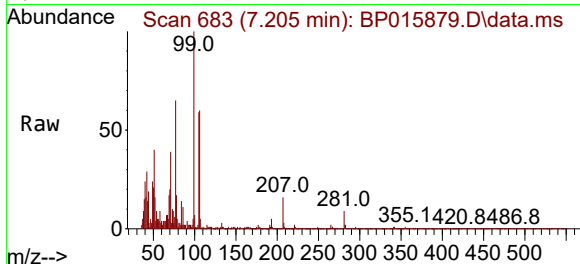




#6
Benzaldehyde
Concen: 1.952 ng/ul
RT: 7.205 min Scan# 681
Delta R.T. 0.000 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

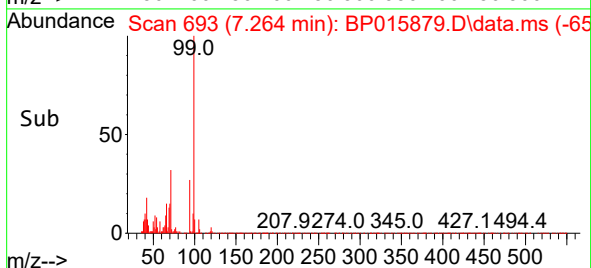
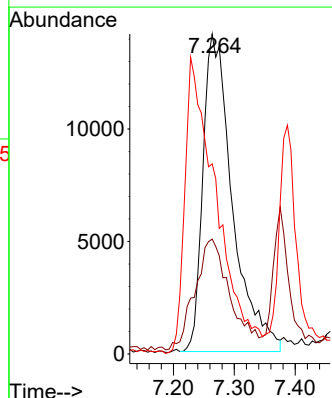
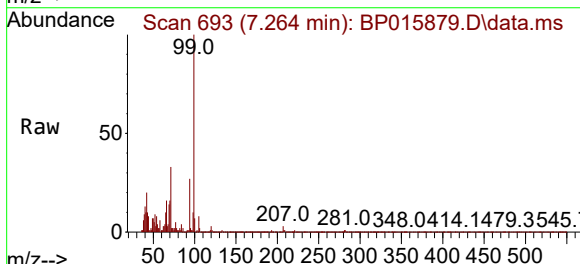
Instrument :
BNA_P
ClientSampleId :
DCGB7

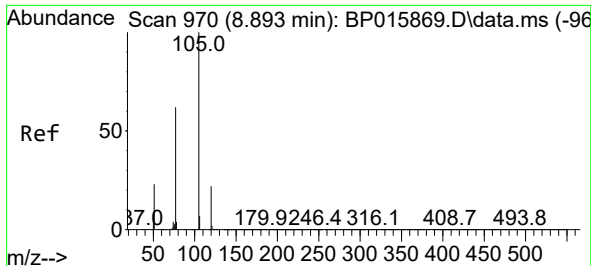
Tgt Ion: 77 Resp: 21762
Ion Ratio Lower Upper
77 100
105 91.5 73.4 110.0
106 92.0 66.6 100.0



#8
Phenol
Concen: 1.661 ng/ul
RT: 7.264 min Scan# 693
Delta R.T. 0.006 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

Tgt Ion: 94 Resp: 47515
Ion Ratio Lower Upper
94 100
65 35.9 26.4 39.6
66 59.4 37.3 55.9#

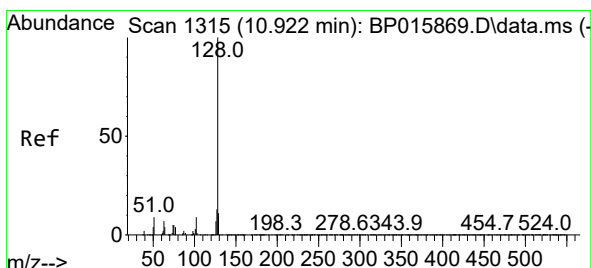
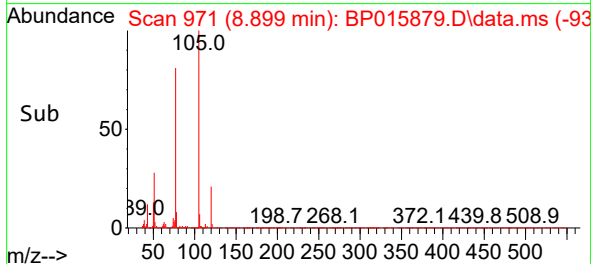
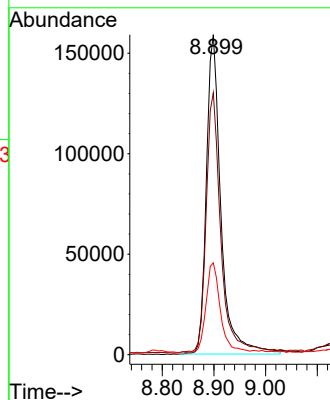
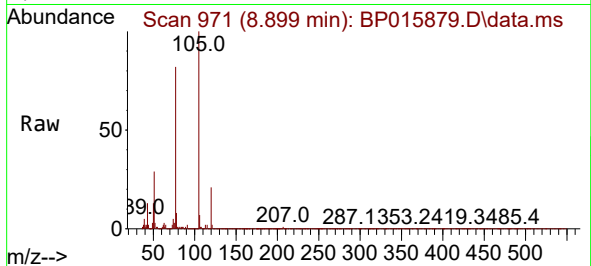




#16
Acetophenone
Concen: 8.727 ng/ul
RT: 8.899 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

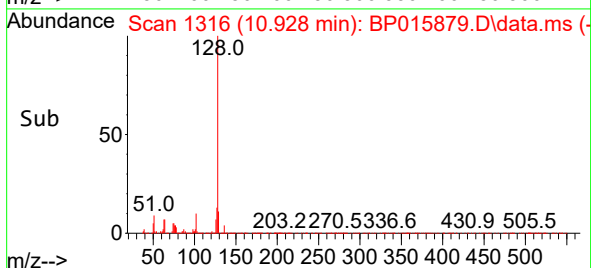
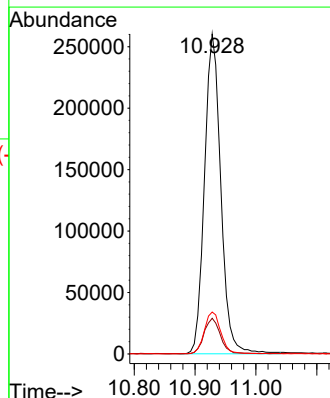
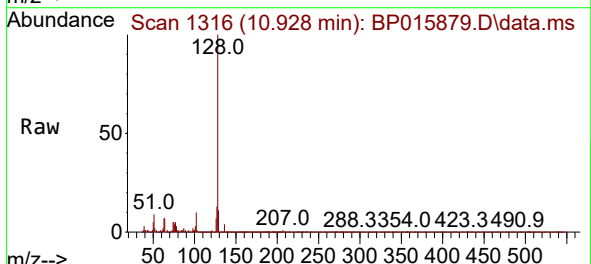
Instrument :
BNA_P
ClientSampleId :
DCGB7

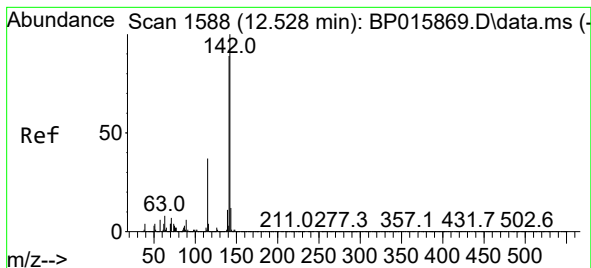
Tgt Ion:105 Resp: 312430
Ion Ratio Lower Upper
105 100
77 81.9 65.0 97.4
51 28.7 25.1 37.7



#30
Naphthalene
Concen: 6.580 ng/ul
RT: 10.928 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

Tgt Ion:128 Resp: 485445
Ion Ratio Lower Upper
128 100
129 11.1 8.6 12.8
127 13.1 10.3 15.5





#36

2-Methylnaphthalene

Concen: 2.861 ng/ul

RT: 12.540 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

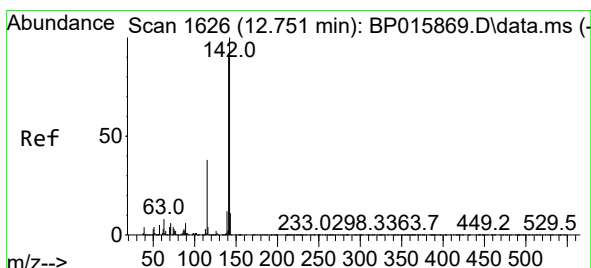
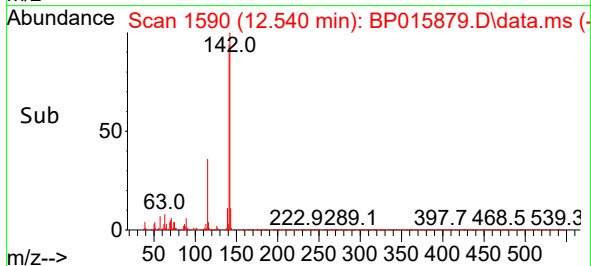
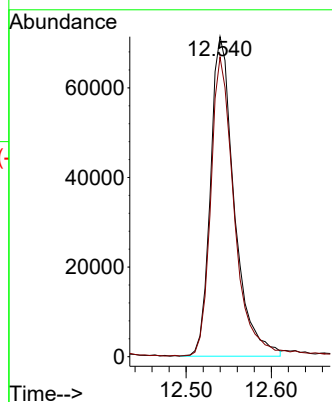
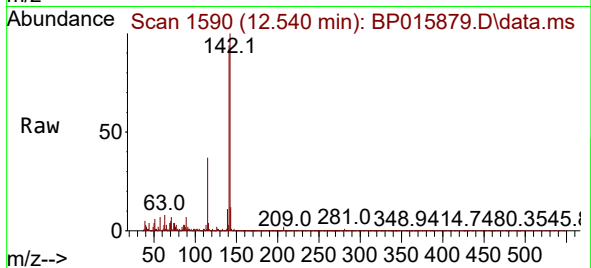
DCGB7

Tgt Ion:142 Resp: 138936

Ion Ratio Lower Upper

142 100

141 93.6 73.2 109.8



#37

1-Methylnaphthalene

Concen: 2.145 ng/ul

RT: 12.757 min Scan# 1627

Delta R.T. -0.006 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

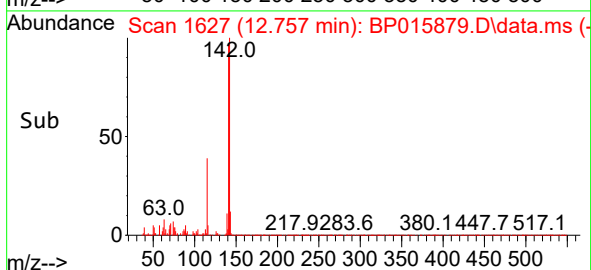
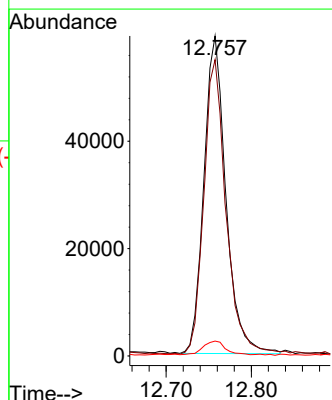
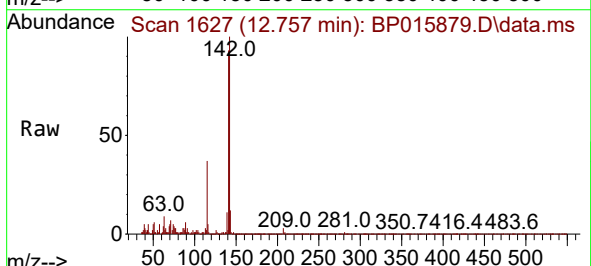
Tgt Ion:142 Resp: 106270

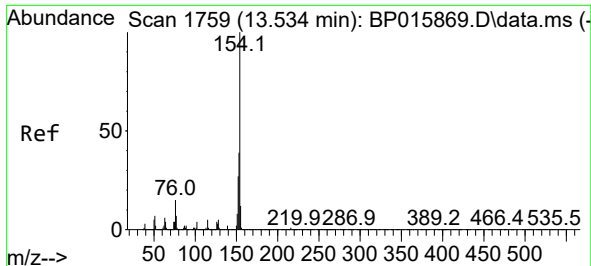
Ion Ratio Lower Upper

142 100

141 92.6 73.1 109.7

116 4.6 4.0 6.0

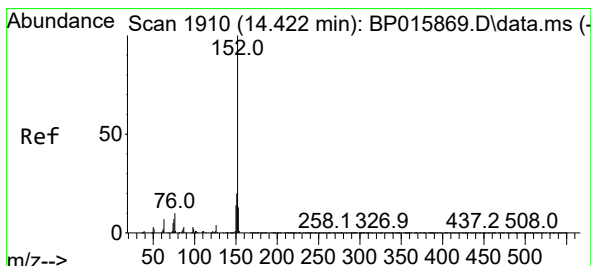
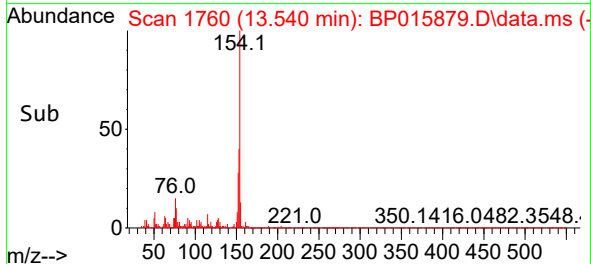
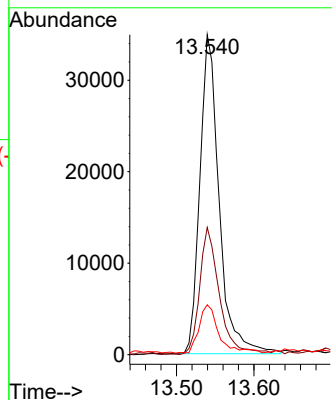
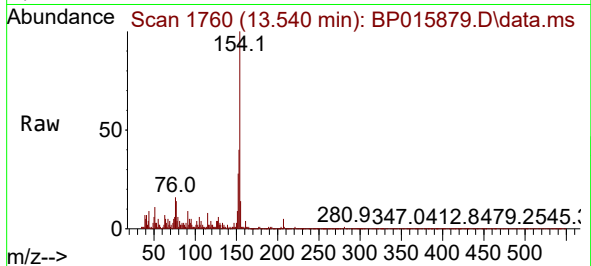




#43
1,1'-Biphenyl
Concen: 1.028 ng/ul
RT: 13.540 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

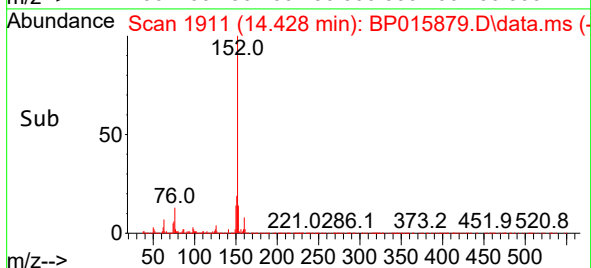
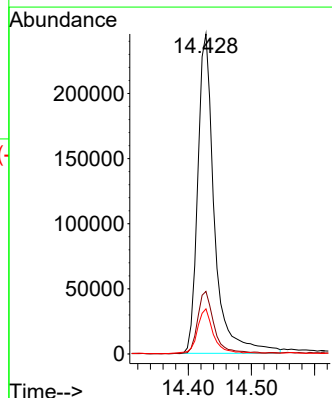
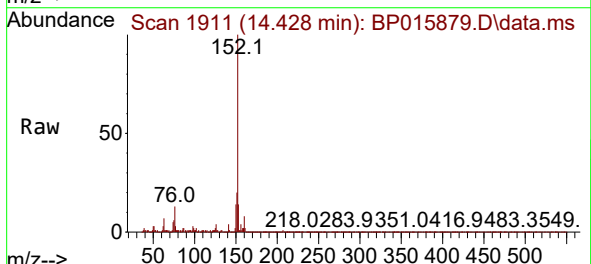
Instrument :
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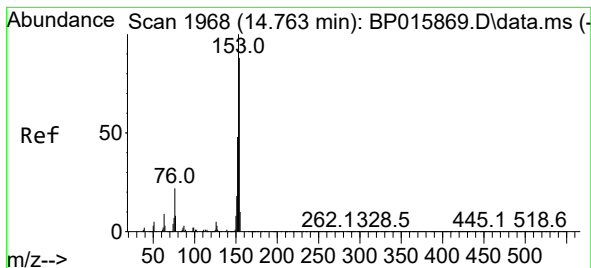
Tgt Ion:154 Resp: 60140
Ion Ratio Lower Upper
154 100
153 39.8 32.8 49.2
76 15.6 10.7 16.1



#50
Acenaphthylene
Concen: 6.341 ng/ul
RT: 14.428 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

Tgt Ion:152 Resp: 448393
Ion Ratio Lower Upper
152 100
151 19.5 16.2 24.2
153 14.1 10.5 15.7





#52

Acenaphthene

Concen: 16.299 ng/ul

RT: 14.763 min Scan# 1968

Delta R.T. -0.012 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

DCGB7

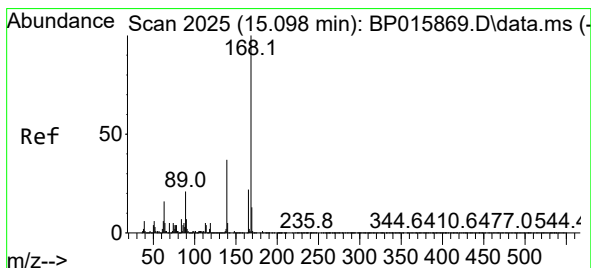
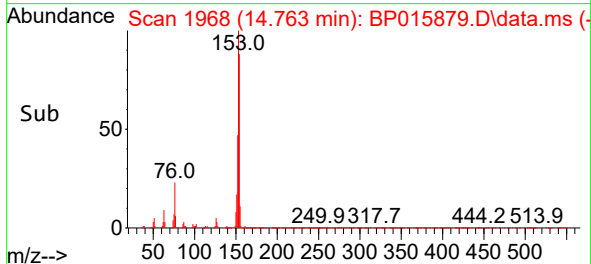
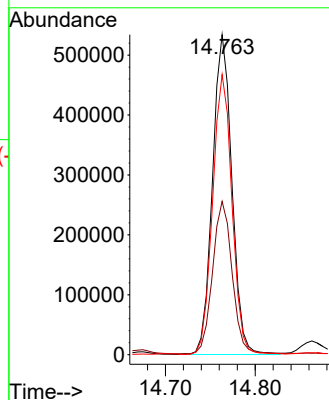
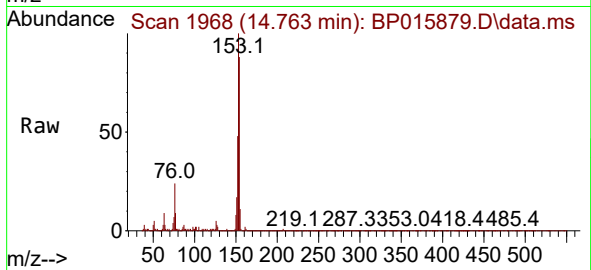
Tgt Ion:153 Resp: 799182

Ion Ratio Lower Upper

153 100

152 47.9 39.4 59.2

154 87.5 71.4 107.2



#56

Dibenzofuran

Concen: 7.463 ng/ul

RT: 15.104 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BP015879.D

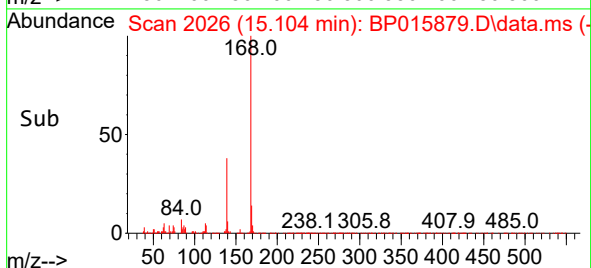
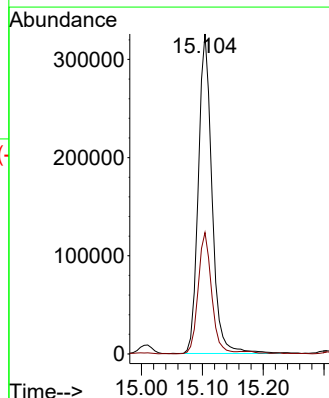
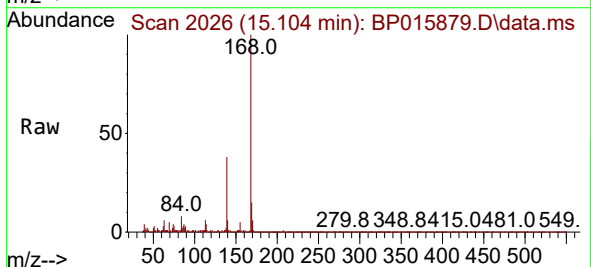
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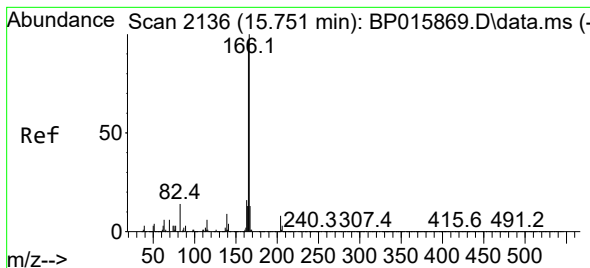
Tgt Ion:168 Resp: 508003

Ion Ratio Lower Upper

168 100

139 37.9 32.2 48.4





#61

Fluorene

Concen: 13.219 ng/ul

RT: 15.751 min Scan# 2136

Delta R.T. -0.012 min

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Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

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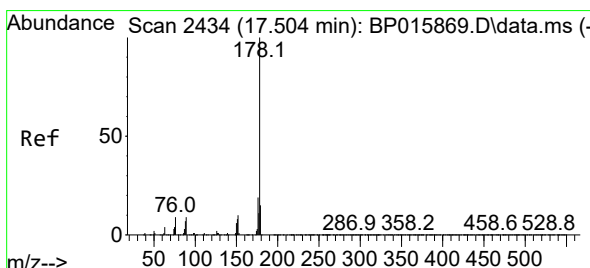
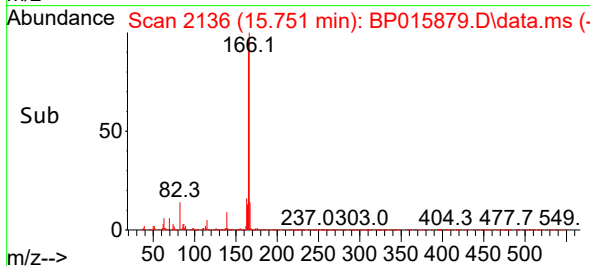
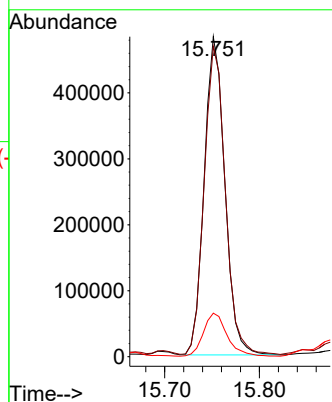
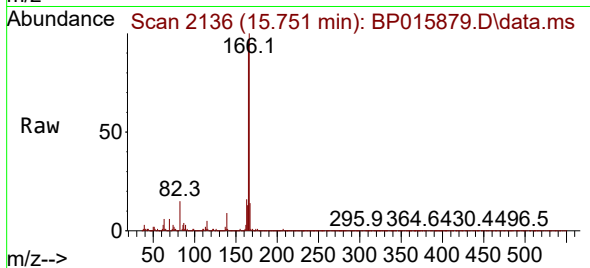
Tgt Ion:166 Resp: 729859

Ion Ratio Lower Upper

166 100

165 97.0 78.7 118.1

167 13.6 10.5 15.7



#72

Phenanthrene

Concen: 154.225 ng/ul

RT: 17.510 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

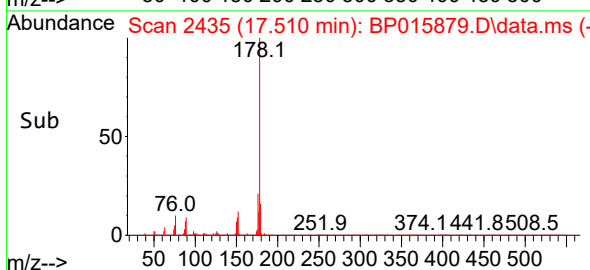
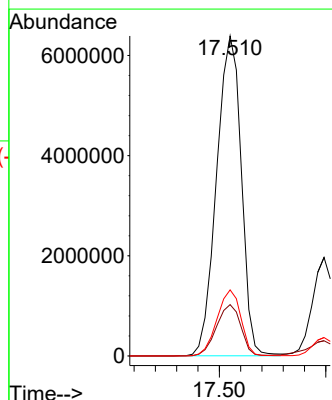
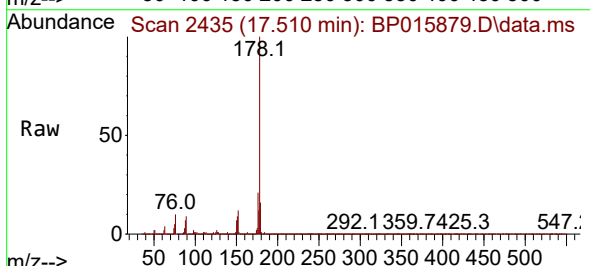
Tgt Ion:178 Resp:10280698

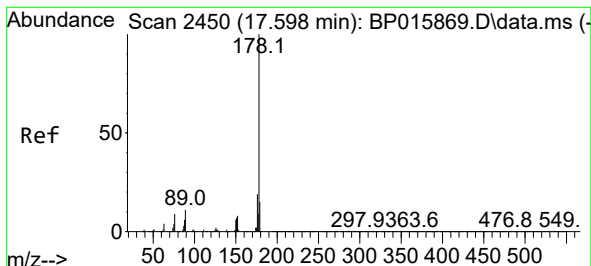
Ion Ratio Lower Upper

178 100

179 16.0 12.4 18.6

176 20.6 15.6 23.4





#74

Anthracene

Concen: 42.324 ng/ul

RT: 17.598 min Scan# 2450

Delta R.T. -0.012 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

DCGB7

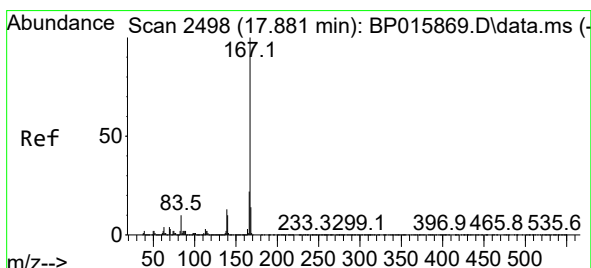
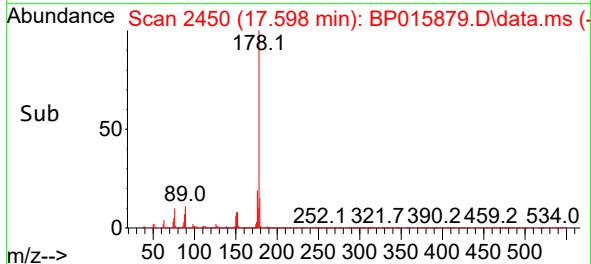
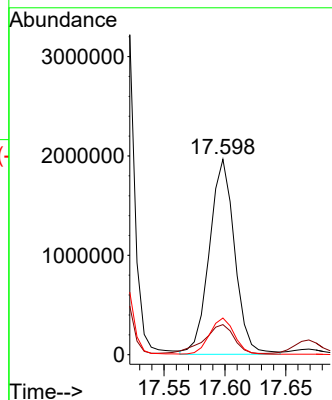
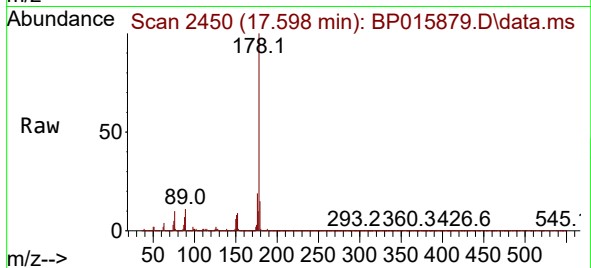
Tgt Ion:178 Resp: 2834926

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

176 18.7 14.6 22.0



#77

Carbazole

Concen: 23.223 ng/ul

RT: 17.875 min Scan# 2497

Delta R.T. -0.012 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

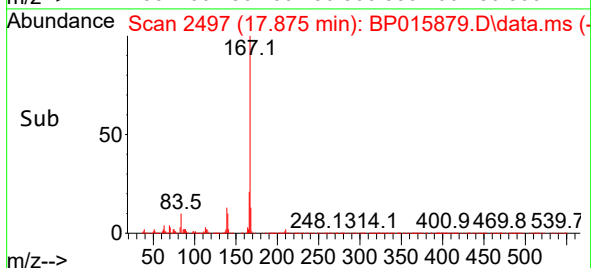
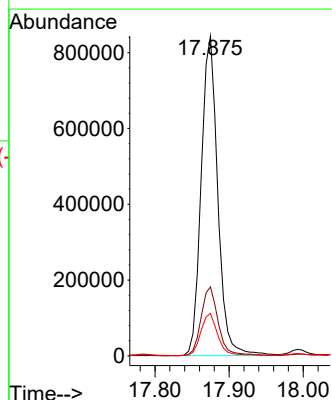
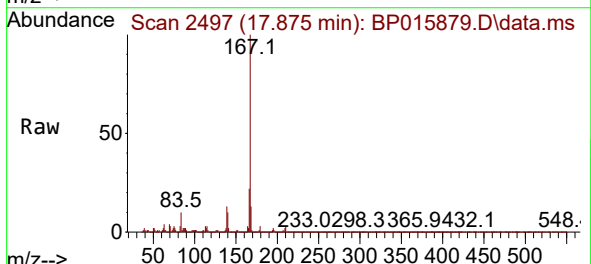
Tgt Ion:167 Resp: 1311090

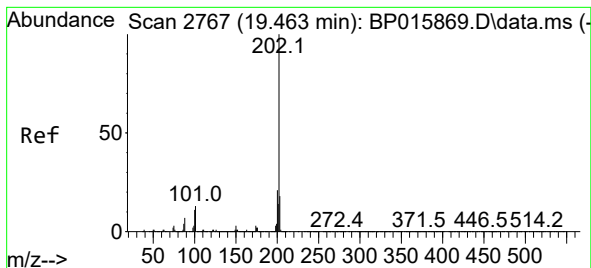
Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.0

139 13.3 11.0 16.4





#80

Fluoranthene

Concen: 258.253 ng/ul

RT: 19.475 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

DCGB7

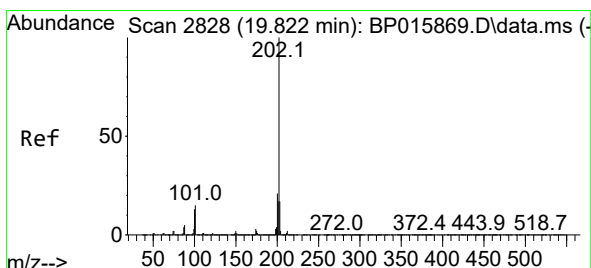
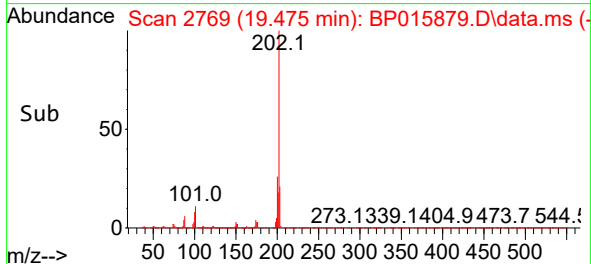
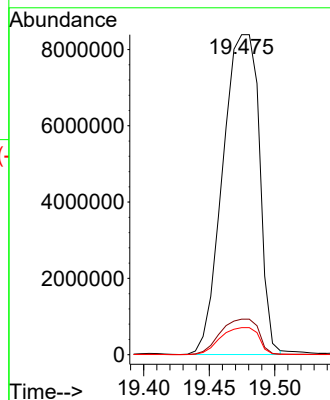
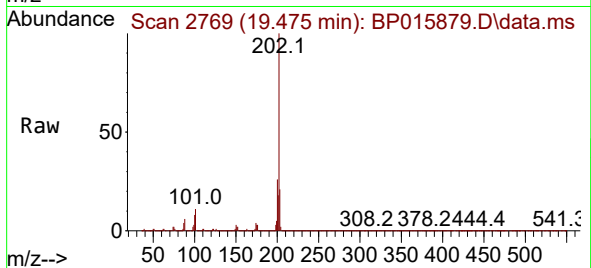
Tgt Ion:202 Resp:16239177

Ion Ratio Lower Upper

202 100

101 11.1 8.3 12.5

100 8.5 6.6 9.8



#82

Pyrene

Concen: 239.377 ng/ul

RT: 19.828 min Scan# 2829

Delta R.T. -0.006 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

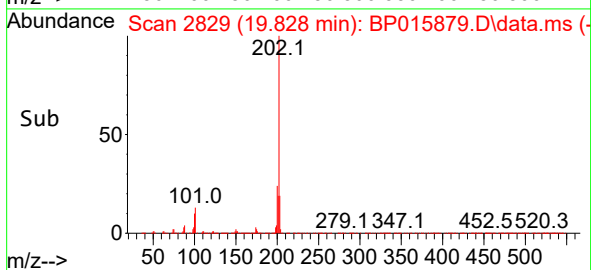
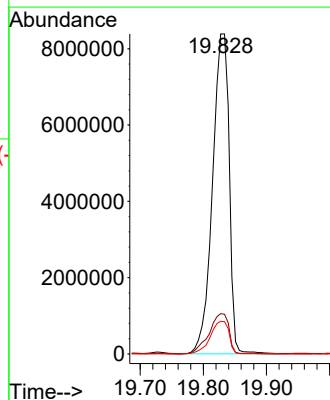
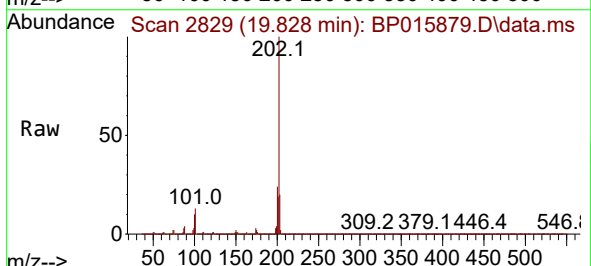
Tgt Ion:202 Resp:15354462

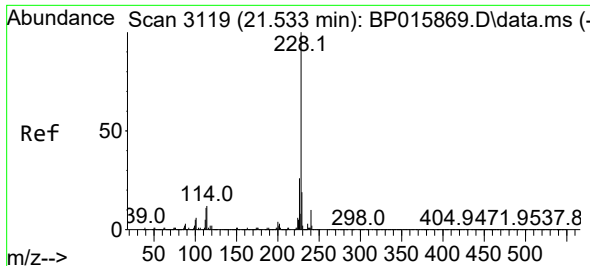
Ion Ratio Lower Upper

202 100

101 12.6 9.3 13.9

100 10.2 7.6 11.4

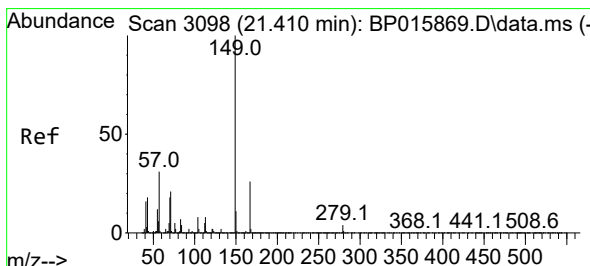
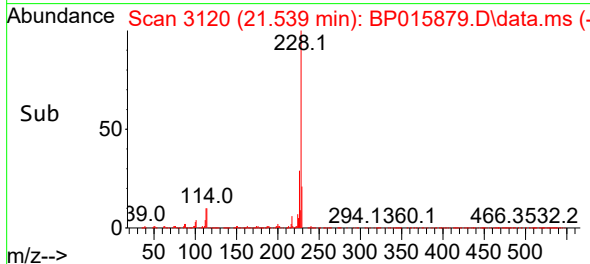
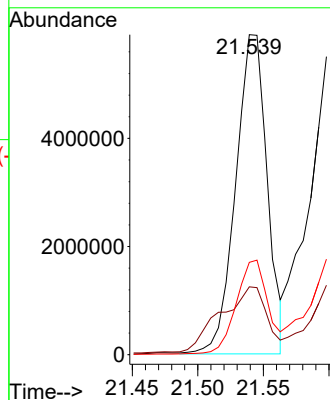
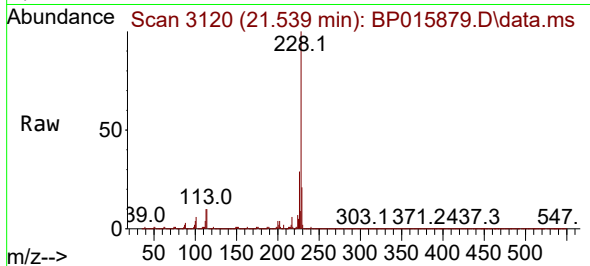




#85
Benzo(a)anthracene
Concen: 181.211 ng/ul
RT: 21.539 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

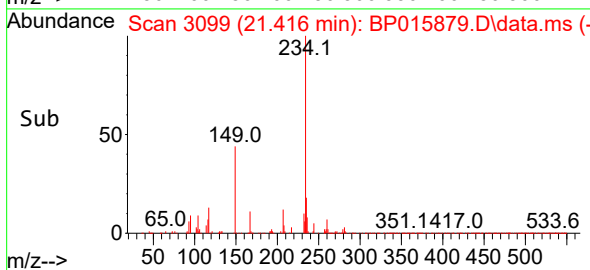
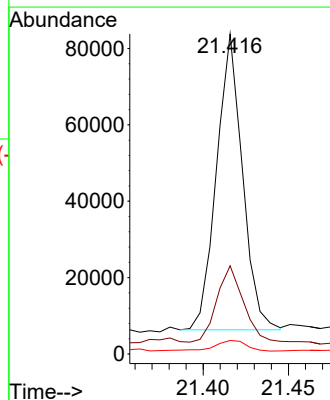
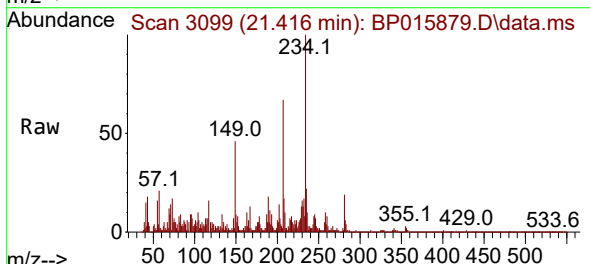
Instrument :
BNA_P
ClientSampleId :
DCGB7

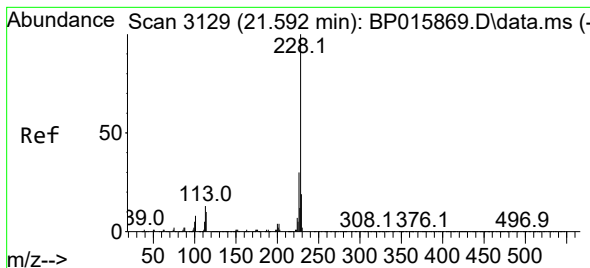
Tgt Ion:228 Resp: 9877245
Ion Ratio Lower Upper
228 100
229 21.2 15.3 22.9
226 28.9 21.4 32.0



#86
Bis(2-ethylhexyl)phthalate
Concen: 2.279 ng/ul
RT: 21.416 min Scan# 3099
Delta R.T. -0.017 min
Lab File: BP015879.D
Acq: 01 Jul 2023 11:28

Tgt Ion:149 Resp: 81955
Ion Ratio Lower Upper
149 100
167 27.5 21.0 31.6
279 4.2 3.8 5.6





#87

Chrysene

Concen: 196.899 ng/ul

RT: 21.604 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

DCGB7

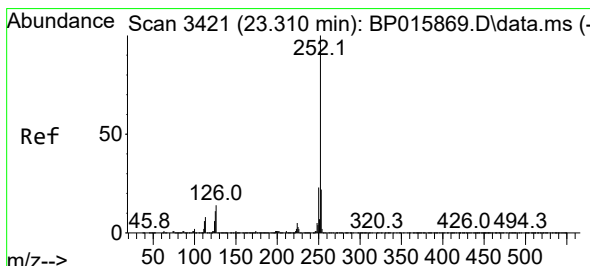
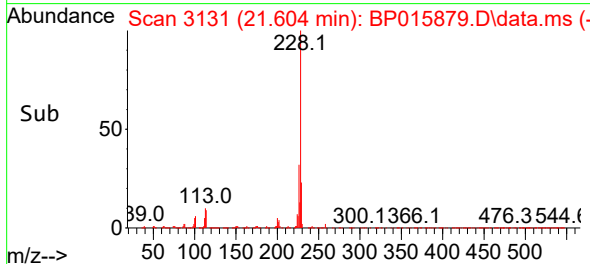
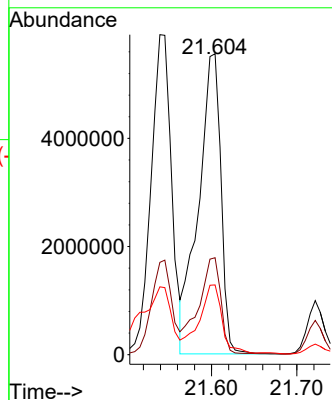
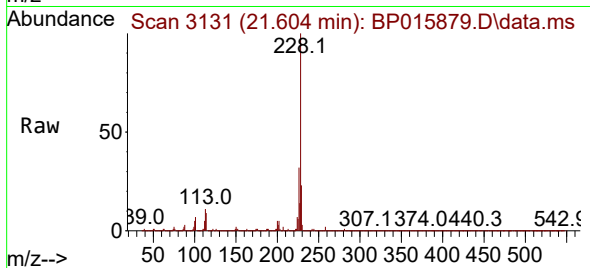
Tgt Ion:228 Resp:10182413

Ion Ratio Lower Upper

228 100

226 32.2 24.3 36.5

229 23.2 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 237.272 ng/ul

RT: 23.339 min Scan# 3426

Delta R.T. 0.012 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

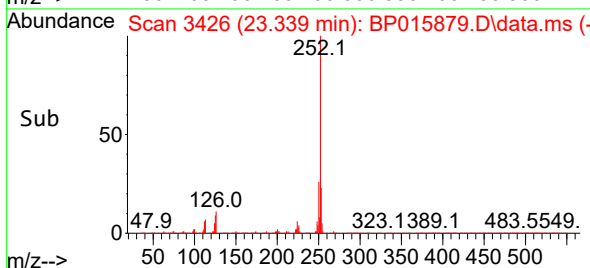
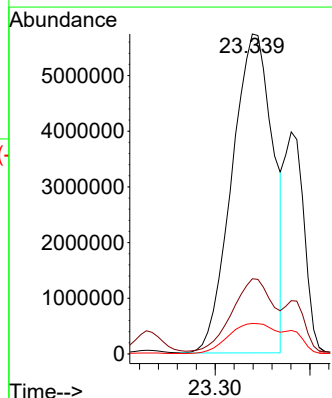
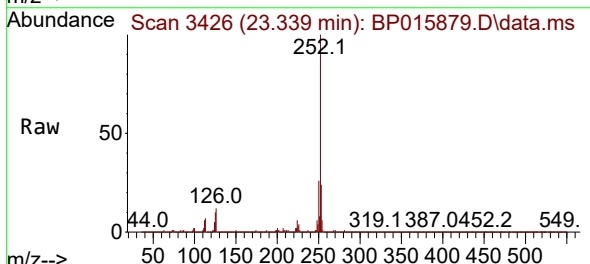
Tgt Ion:252 Resp:17298903

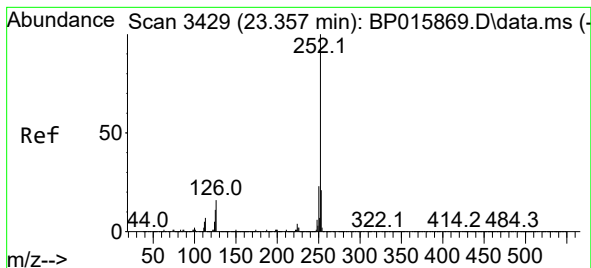
Ion Ratio Lower Upper

252 100

253 23.5 17.3 25.9

125 9.6 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 76.620 ng/ul

RT: 23.380 min Scan# 3429

Delta R.T. 0.000 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

DCGB7

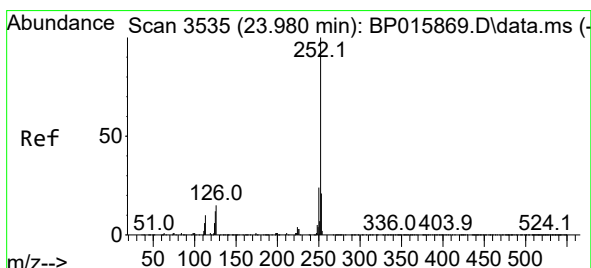
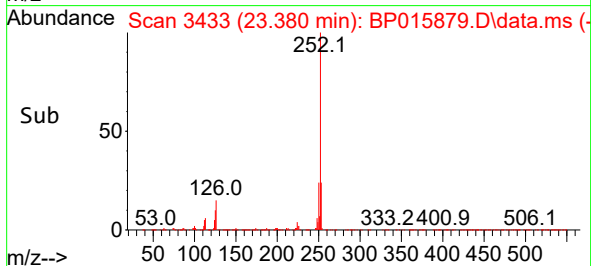
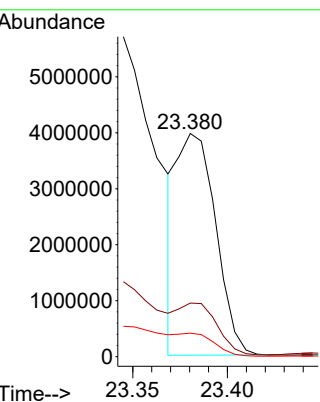
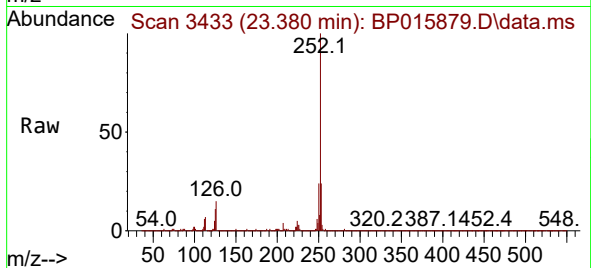
Tgt Ion:252 Resp: 5644078

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.4

125 10.6 7.3 10.9



#93

Benzo(a)pyrene

Concen: 193.334 ng/ul

RT: 24.016 min Scan# 3541

Delta R.T. 0.012 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

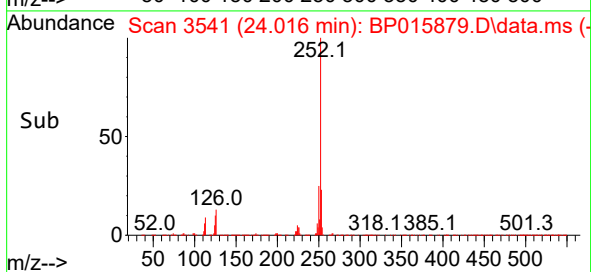
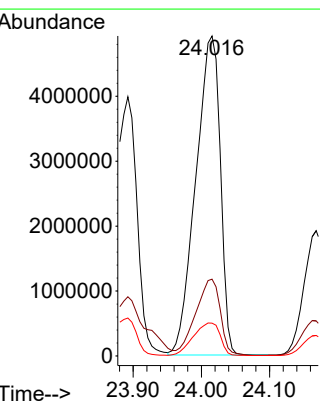
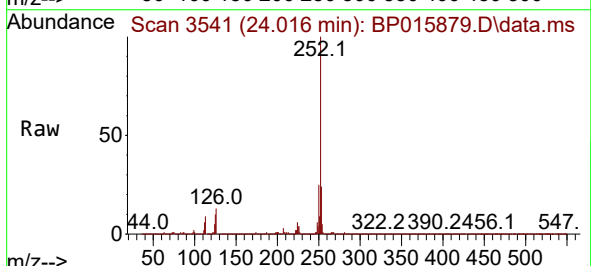
Tgt Ion:252 Resp:12316486

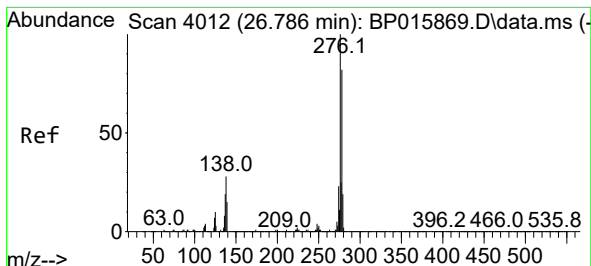
Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 10.3 8.2 12.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 129.088 ng/ul

RT: 26.851 min Scan# 4012

Delta R.T. 0.035 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

Instrument :

BNA_P

ClientSampleId :

DCGB7

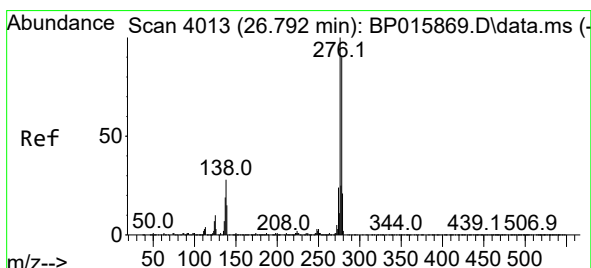
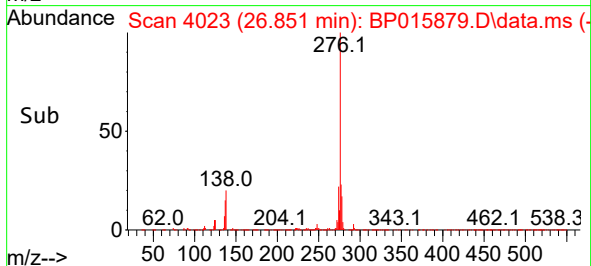
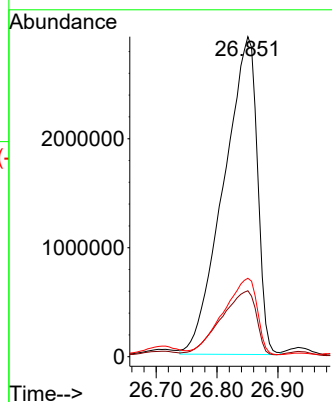
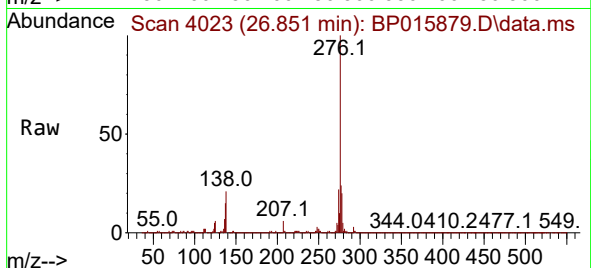
Tgt Ion:276 Resp:11163816

Ion Ratio Lower Upper

276 100

138 20.6 15.7 23.5

277 24.5 19.6 29.4



#95

Dibenzo(a,h)anthracene

Concen: 39.489 ng/ul

RT: 26.839 min Scan# 4021

Delta R.T. 0.012 min

Lab File: BP015879.D

Acq: 01 Jul 2023 11:28

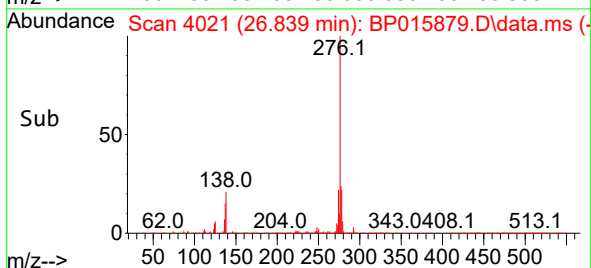
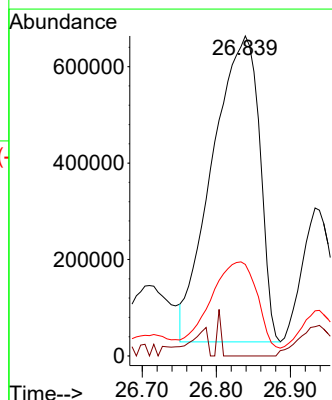
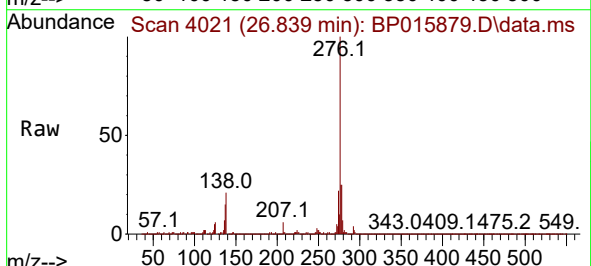
Tgt Ion:278 Resp: 2805075

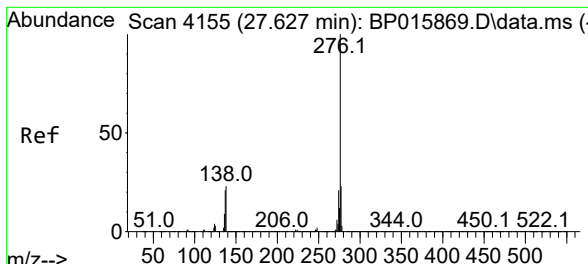
Ion Ratio Lower Upper

278 100

139 0.0 10.5 15.7#

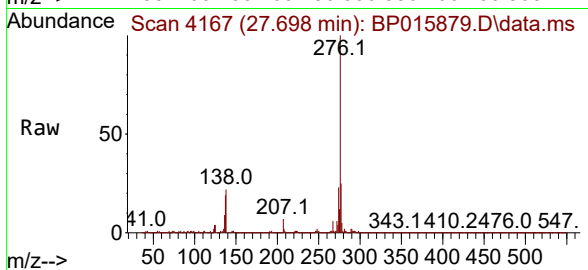
279 28.6 18.4 27.6#





#96
 Benzo(g,h,i)perylene
 Concen: 157.702 ng/ul
 RT: 27.698 min Scan# 41
 Delta R.T. 0.041 min
 Lab File: BP015879.D
 Acq: 01 Jul 2023 11:28

Instrument :
 BNA_P
 ClientSampleId :
 DCGB7



Tgt Ion: 276 Resp: 11219981

Ion	Ratio	Lower	Upper
276	100		
138	22.5	15.1	22.7
277	25.1	18.8	28.2

