

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062623\
 Data File : BP015726.D
 Acq On : 26 Jun 2023 21:50
 Operator : MA/JU
 Sample : 03083-12DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

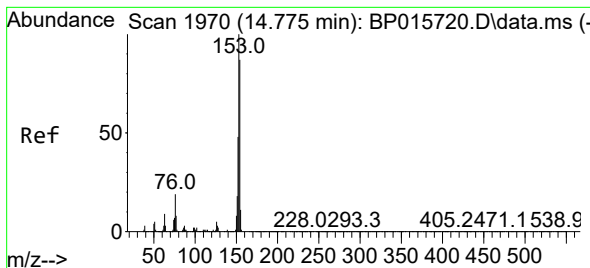
Instrument :
 BNA_P
 ClientSampleId :
 DCFL0DL

Quant Time: Jun 27 02:35:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP062623.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 27 00:56:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	141951	20.000	ng/ul	0.00
20) Naphthalene-d8	10.893	136	565487	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.716	164	325510	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.475	188	593285	20.000	ng/ul	0.00
79) Chrysene-d12	21.563	240	449458	20.000	ng/ul	0.00
88) Perylene-d12	24.115	264	608109	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	3347	0.848	ng/uL	0.00
4) Pyridine-d5	3.858	84	18663	1.877	ng/ul	0.03
7) Phenol-d5	7.246	99	48233	3.971	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.393	67	31093	4.138	ng/ul	0.00
11) 2-Chlorophenol-d4	7.599	132	42353	4.620	ng/ul	0.00
15) 4-Methylphenol-d8	8.810	113	27846	2.902	ng/ul	0.02
21) Nitrobenzene-d5	9.269	128	16002	3.703	ng/ul	0.02
24) 2-Nitrophenol-d4	9.993	143	15339	3.041	ng/ul	0.02
28) 2,4-Dichlorophenol-d3	10.575	165	18462	2.054	ng/ul	0.05
31) 4-Chloroaniline-d4	11.099	131	18332	1.588	ng/ul	0.06
46) Dimethylphthalate-d6	14.128	166	136211	5.414	ng/ul	0.00
49) Acenaphthylene-d8	14.410	160	149178	5.275	ng/ul	0.00
54) 4-Nitrophenol-d4	14.957	143	56	0.017	ng/ul	0.01
60) Fluorene-d10	15.716	176	108943	5.259	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.881	200	6792	1.862	ng/ul	0.02
73) Anthracene-d10	17.581	188	141650	5.227	ng/ul	0.00
81) Pyrene-d10	19.804	212	151013	5.145	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.945	264	164814	5.373	ng/ul	0.00
Target Compounds						
					Qvalue	
52) Acenaphthene	14.781	153	45872	2.123	ng/ul	99
61) Fluorene	15.775	166	39837	1.637	ng/ul	93
72) Phenanthrene	17.516	178	703701	21.833	ng/ul	99
74) Anthracene	17.616	178	137465	4.245	ng/ul	98
77) Carbazole	17.892	167	106050	3.885	ng/ul	98
80) Fluoranthene	19.475	202	1167802	32.017	ng/ul	100
82) Pyrene	19.833	202	886135	23.816	ng/ul	100
85) Benzo(a)anthracene	21.545	228	530869	16.791	ng/ul	97
87) Chrysene	21.604	228	504447	16.817	ng/ul	97
90) Benzo(b)fluoranthene	23.333	252	779515	19.950	ng/ul	97
91) Benzo(k)fluoranthene	23.333	252	779515	19.745	ng/ul	96
93) Benzo(a)pyrene	23.998	252	521699	15.280	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.809	276	432139	9.324	ng/ul	96
95) Dibenzo(a,h)anthracene	26.815	278	122678	3.222	ng/ul#	81
96) Benzo(g,h,i)perylene	27.656	276	386265	10.130	ng/ul	98

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



#52

Acenaphthene

Concen: 2.123 ng/ul

RT: 14.781 min Scan# 1970

Delta R.T. 0.006 min

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DCFL0DL

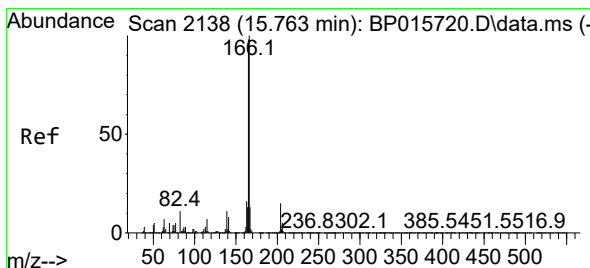
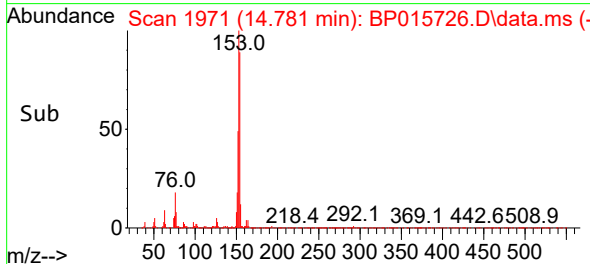
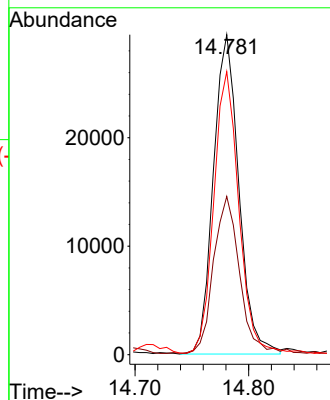
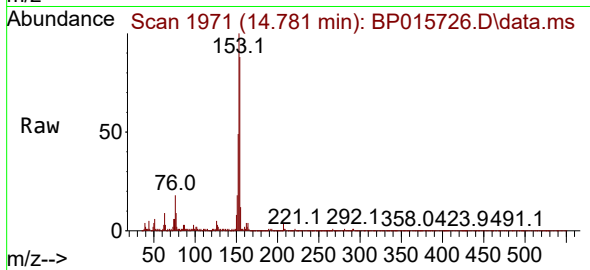
Tgt Ion:153 Resp: 45872

Ion Ratio Lower Upper

153 100

152 49.4 39.4 59.2

154 88.5 71.4 107.2



#61

Fluorene

Concen: 1.637 ng/ul

RT: 15.775 min Scan# 2140

Delta R.T. 0.012 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

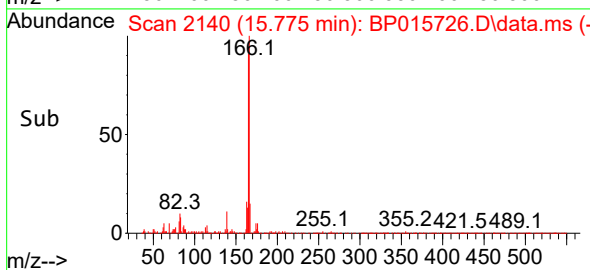
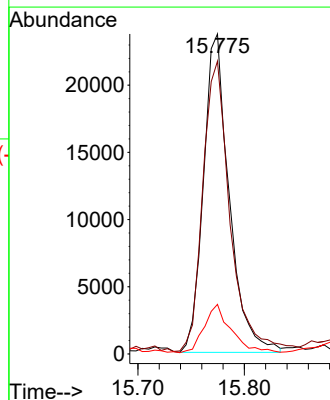
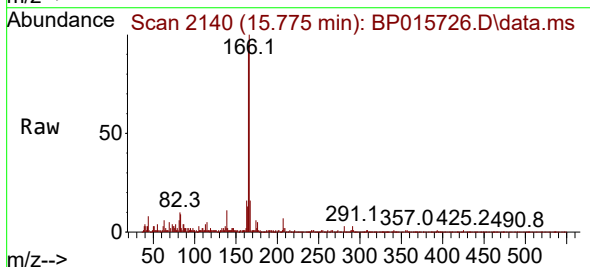
Tgt Ion:166 Resp: 39837

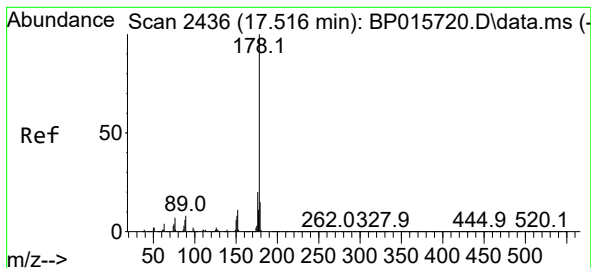
Ion Ratio Lower Upper

166 100

165 91.5 78.7 118.1

167 15.5 10.5 15.7





#72

Phenanthrene

Concen: 21.833 ng/ul

RT: 17.516 min Scan# 2436

Delta R.T. 0.000 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

Instrument :

BNA_P

ClientSampleId :

DCFL0DL

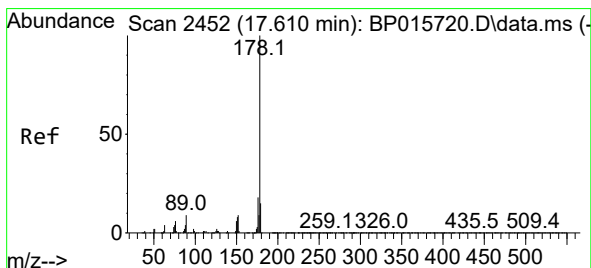
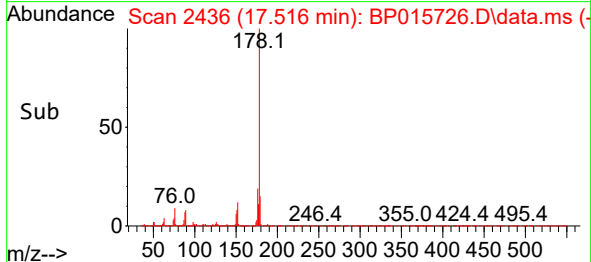
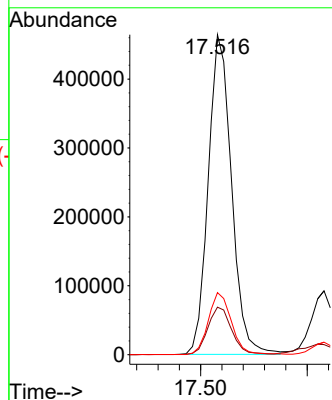
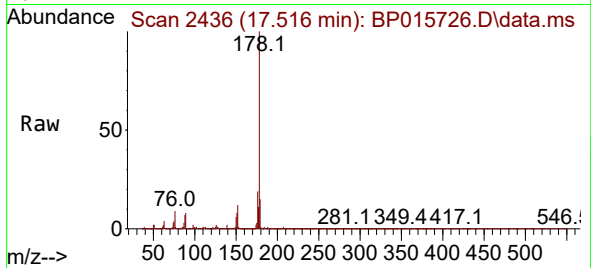
Tgt Ion:178 Resp: 703701

Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

176 19.4 15.6 23.4



#74

Anthracene

Concen: 4.245 ng/ul

RT: 17.616 min Scan# 2453

Delta R.T. 0.006 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

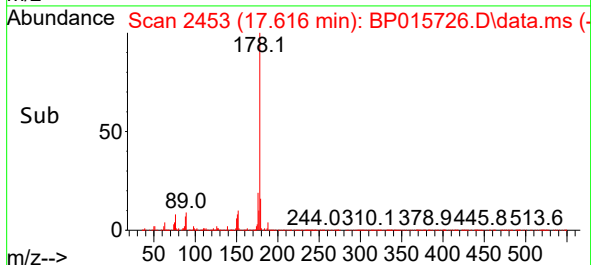
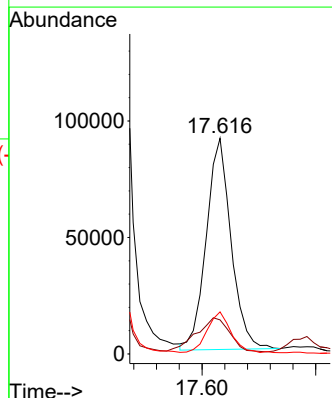
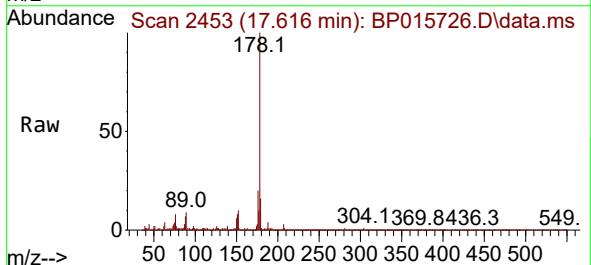
Tgt Ion:178 Resp: 137465

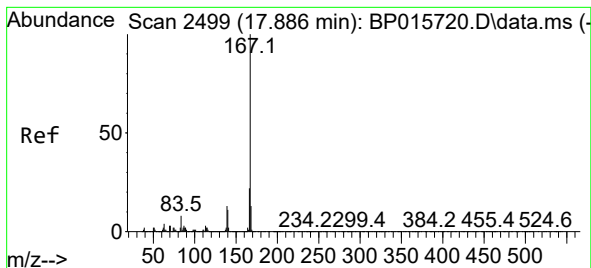
Ion Ratio Lower Upper

178 100

179 15.8 12.1 18.1

176 19.5 14.6 22.0





#77

Carbazole

Concen: 3.885 ng/ul

RT: 17.892 min Scan# 2499

Delta R.T. 0.006 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

Instrument :

BNA_P

ClientSampleId :

DCFL0DL

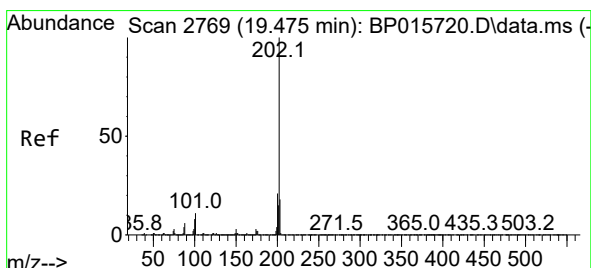
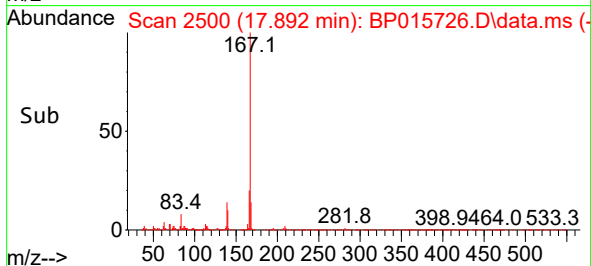
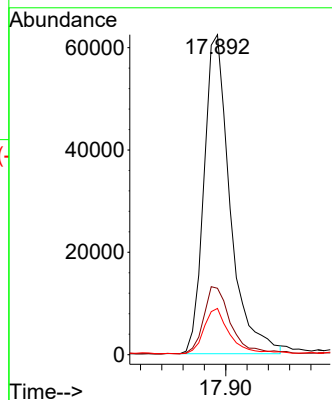
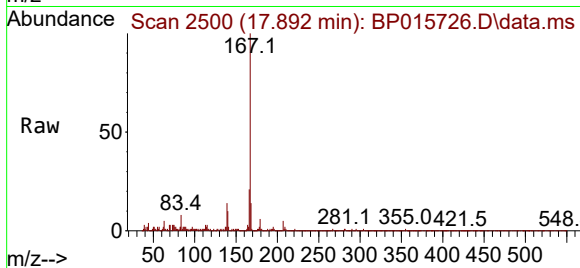
Tgt Ion:167 Resp: 106050

Ion Ratio Lower Upper

167 100

166 20.8 17.4 26.0

139 14.5 11.0 16.4



#80

Fluoranthene

Concen: 32.017 ng/ul

RT: 19.475 min Scan# 2769

Delta R.T. 0.000 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

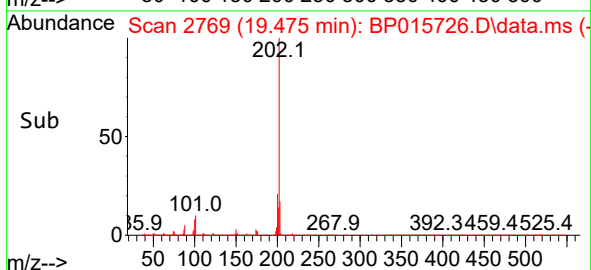
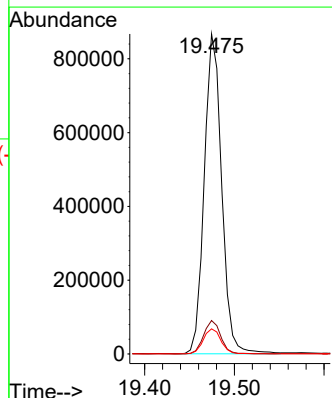
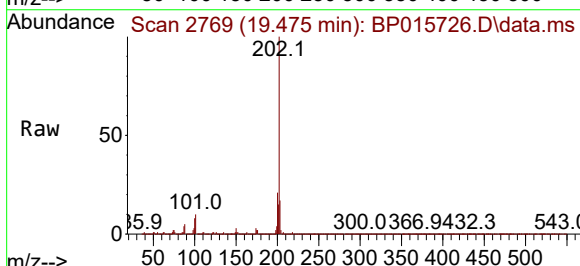
Tgt Ion:202 Resp: 1167802

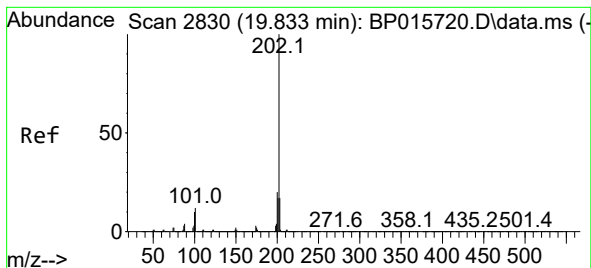
Ion Ratio Lower Upper

202 100

101 10.4 8.3 12.5

100 7.8 6.6 9.8





#82

Pyrene

Concen: 23.816 ng/ul

RT: 19.833 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

Instrument :

BNA_P

ClientSampleId :

DCFL0DL

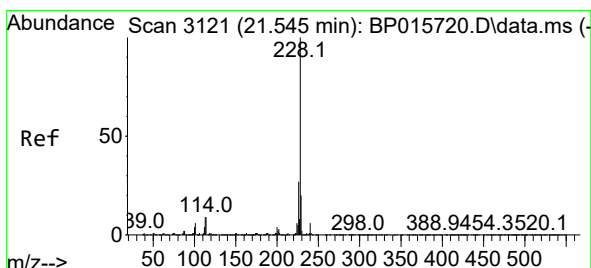
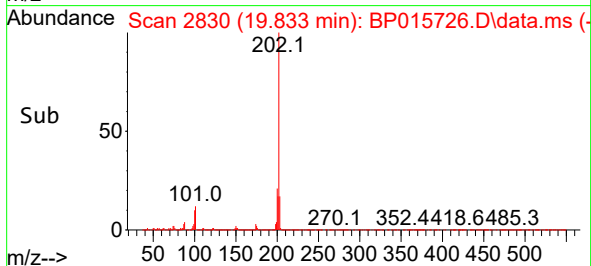
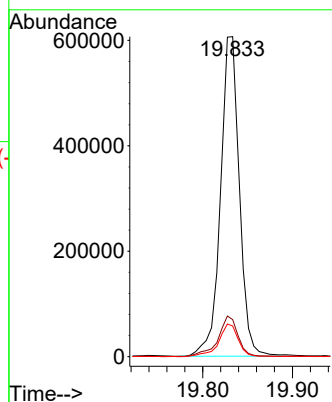
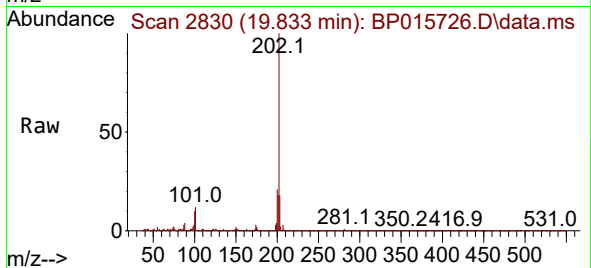
Tgt Ion:202 Resp: 886135

Ion Ratio Lower Upper

202 100

101 11.6 9.3 13.9

100 9.6 7.6 11.4



#85

Benzo(a)anthracene

Concen: 16.791 ng/ul

RT: 21.545 min Scan# 3121

Delta R.T. 0.000 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

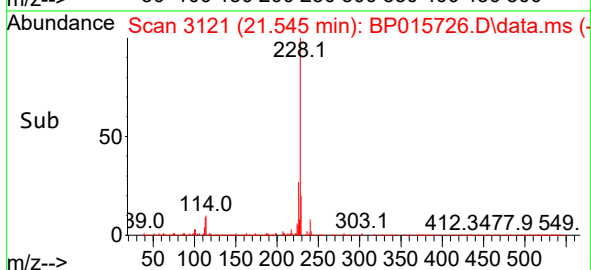
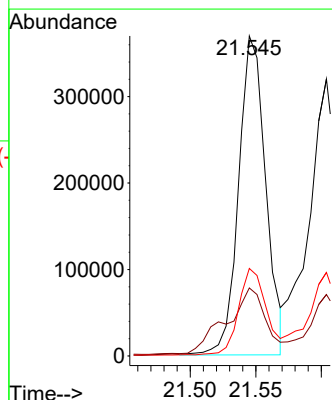
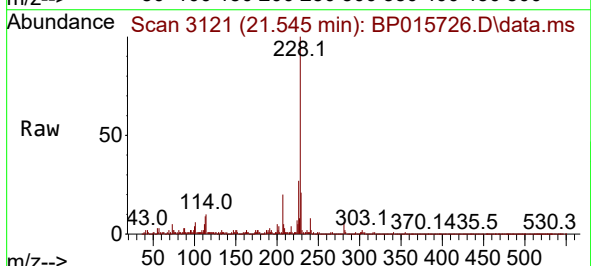
Tgt Ion:228 Resp: 530869

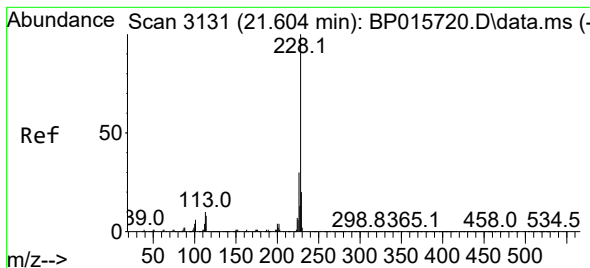
Ion Ratio Lower Upper

228 100

229 21.2 15.3 22.9

226 27.3 21.4 32.0





#87

Chrysene

Concen: 16.817 ng/ul

RT: 21.604 min Scan# 3131

Delta R.T. 0.000 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

Instrument :

BNA_P

ClientSampleId :

DCFL0DL

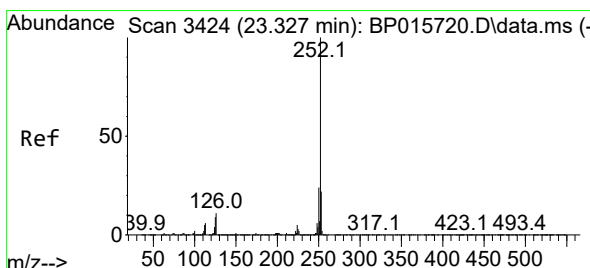
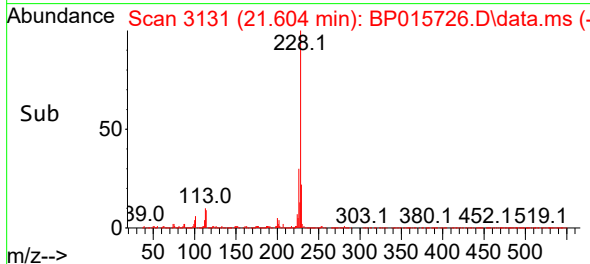
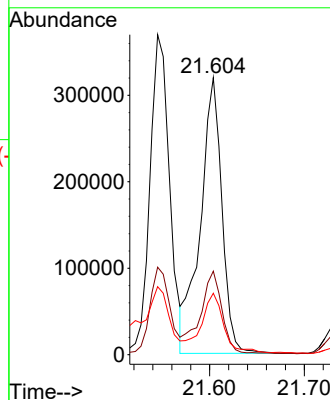
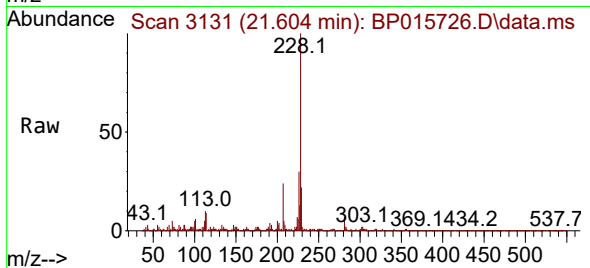
Tgt Ion:228 Resp: 504447

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 22.2 15.5 23.3



#90

Benzo(b)fluoranthene

Concen: 19.950 ng/ul

RT: 23.333 min Scan# 3425

Delta R.T. 0.006 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

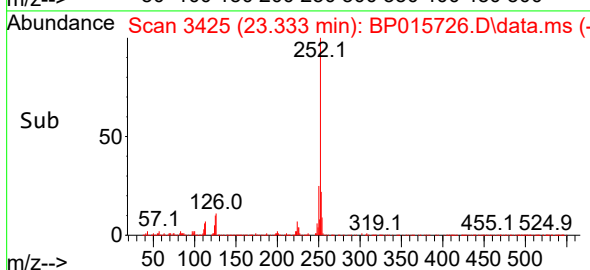
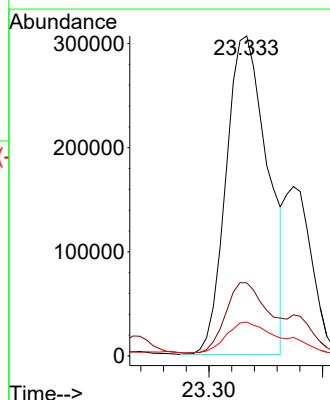
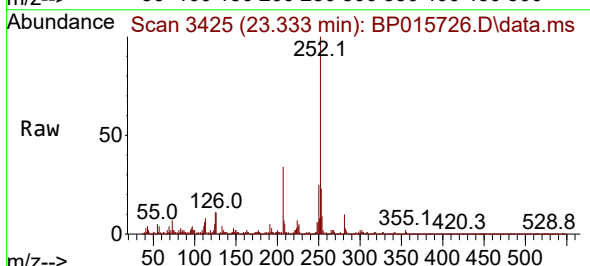
Tgt Ion:252 Resp: 779515

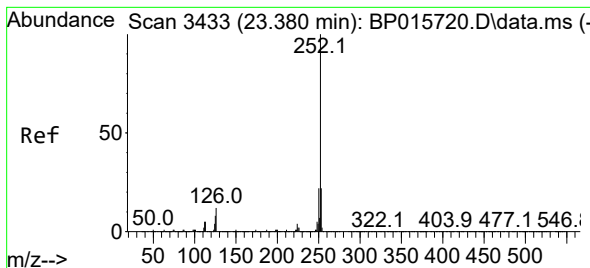
Ion Ratio Lower Upper

252 100

253 22.9 17.3 25.9

125 10.6 7.5 11.3





#91

Benzo(k)fluoranthene

Concen: 19.745 ng/ul

RT: 23.333 min Scan# 34

Delta R.T. -0.047 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

Instrument :

BNA_P

ClientSampleId :

DCFL0DL

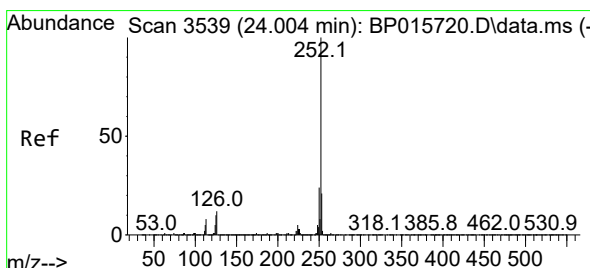
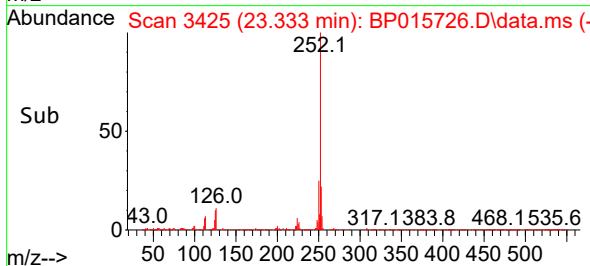
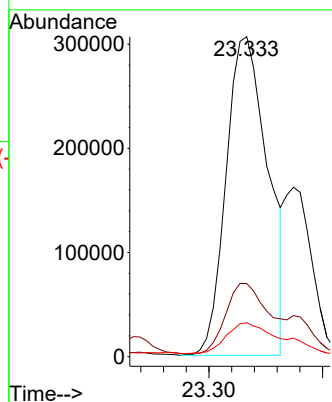
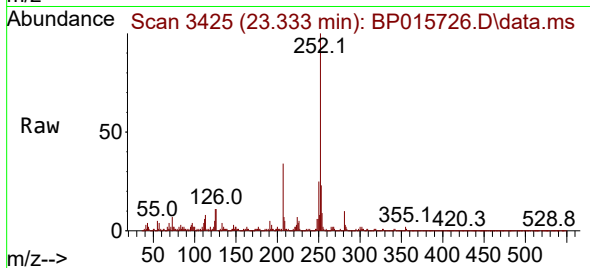
Tgt Ion:252 Resp: 779515

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 10.6 7.3 10.9



#93

Benzo(a)pyrene

Concen: 15.280 ng/ul

RT: 23.998 min Scan# 3538

Delta R.T. -0.006 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

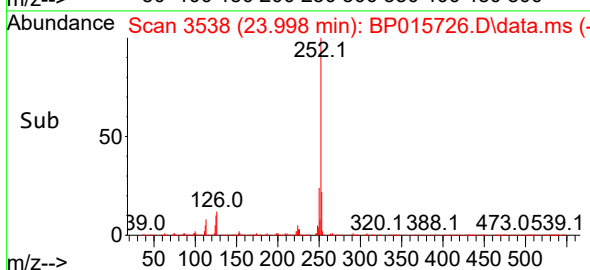
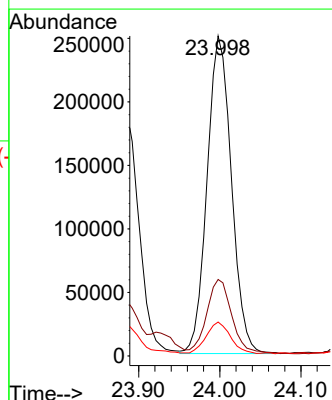
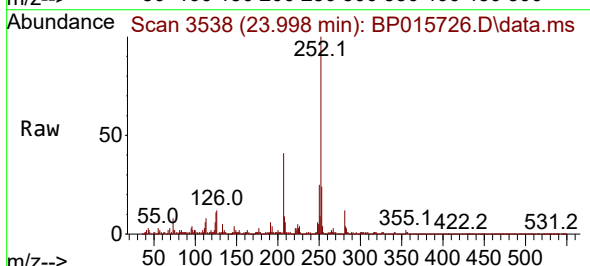
Tgt Ion:252 Resp: 521699

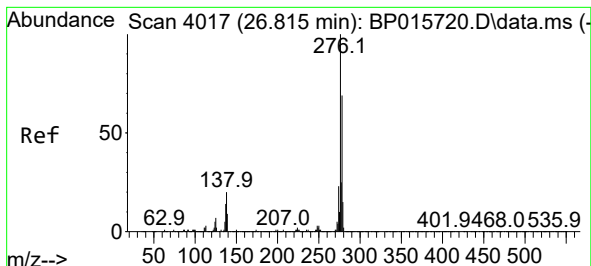
Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 10.6 8.2 12.2





#94

Indeno(1,2,3-cd)pyrene

Concen: 9.324 ng/ul

RT: 26.809 min Scan# 4016

Delta R.T. -0.006 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

Instrument :

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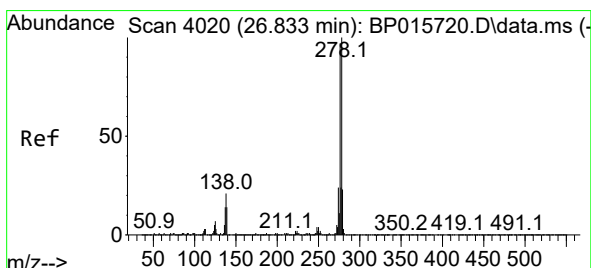
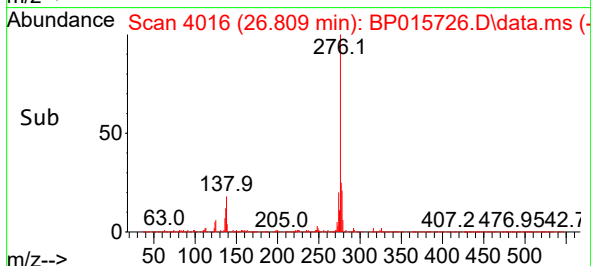
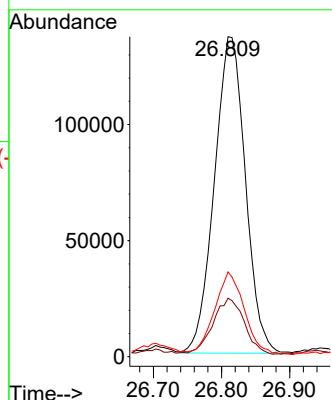
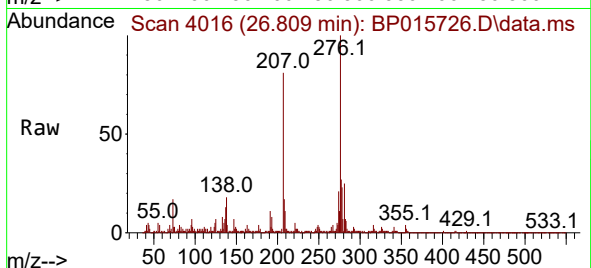
Tgt Ion:276 Resp: 432139

Ion Ratio Lower Upper

276 100

138 18.3 15.7 23.5

277 26.5 19.6 29.4



#95

Dibenzo(a,h)anthracene

Concen: 3.222 ng/ul

RT: 26.815 min Scan# 4017

Delta R.T. -0.012 min

Lab File: BP015726.D

Acq: 26 Jun 2023 21:50

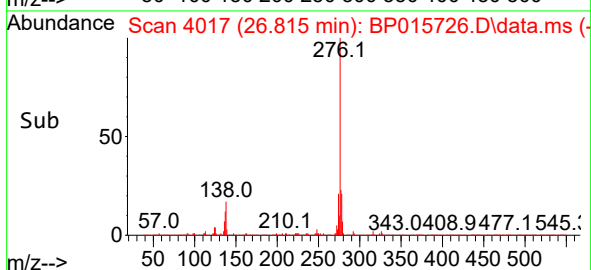
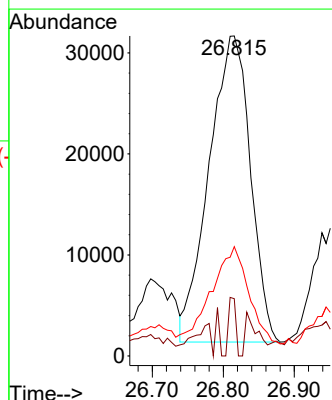
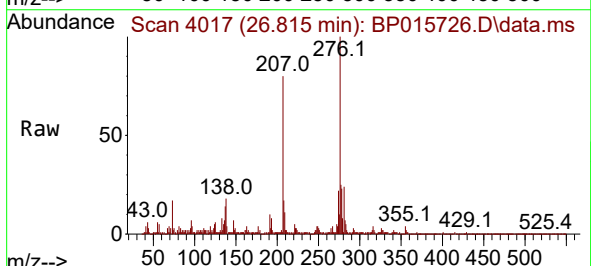
Tgt Ion:278 Resp: 122678

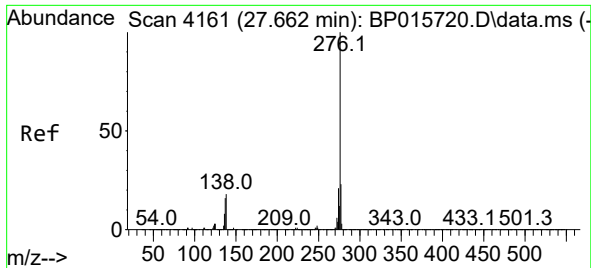
Ion Ratio Lower Upper

278 100

139 17.9 10.5 15.7#

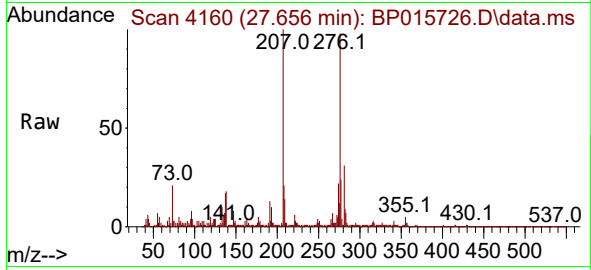
279 34.1 18.4 27.6#





#96
 Benzo(g,h,i)perylene
 Concen: 10.130 ng/ul
 RT: 27.656 min Scan# 4160
 Delta R.T. 0.000 min
 Lab File: BP015726.D
 Acq: 26 Jun 2023 21:50

Instrument :
 BNA_P
 ClientSampleId :
 DCFL0DL



Tgt Ion:	276	Resp:	386265
Ion Ratio	Lower	Upper	
276	100		
138	18.4	15.1	22.7
277	24.4	18.8	28.2

