

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015658.D
 Acq On : 22 Jun 2023 21:18
 Operator : MA/JU
 Sample : 03083-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFK9

Quant Time: Jun 22 22:08:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	124040	20.000	ng/ul	0.00
20) Naphthalene-d8	10.904	136	484533	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.728	164	240233	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.486	188	402038	20.000	ng/ul	0.00
79) Chrysene-d12	21.580	240	393088	20.000	ng/ul	0.00
88) Perylene-d12	24.133	264	521508	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	7712	2.302	ng/uL	0.00
4) Pyridine-d5	3.846	84	74237	8.532	ng/ul	0.00
7) Phenol-d5	7.246	99	153593	13.441	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	102099	14.960	ng/ul	0.00
11) 2-Chlorophenol-d4	7.604	132	130543	15.756	ng/ul	0.00
15) 4-Methylphenol-d8	8.804	113	117081	12.484	ng/ul	0.00
21) Nitrobenzene-d5	9.263	128	62240	16.361	ng/ul	0.00
24) 2-Nitrophenol-d4	9.987	143	70629	16.258	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	110153	13.900	ng/ul	0.00
31) 4-Chloroaniline-d4	11.063	131	90812	7.984	ng/ul	0.01
46) Dimethylphthalate-d6	14.134	166	327255	17.275	ng/ul	0.00
49) Acenaphthylene-d8	14.422	160	364408	17.592	ng/ul	0.00
54) 4-Nitrophenol-d4	14.981	143	21026	6.198	ng/ul	0.03
60) Fluorene-d10	15.722	176	247332	15.483	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.869	200	24371	9.569	ng/ul	0.00
73) Anthracene-d10	17.586	188	331160	18.104	ng/ul	0.00
81) Pyrene-d10	19.816	212	387274	18.408	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.968	264	485898	18.569	ng/ul	0.00
Target Compounds						Qvalue
30) Naphthalene	10.957	128	97405	3.710	ng/ul	99
36) 2-Methylnaphthalene	12.569	142	30489	1.652	ng/ul	93
37) 1-Methylnaphthalene	12.781	142	29182	1.570	ng/ul	91
50) Acenaphthylene	14.451	152	51083	2.227	ng/ul	97
52) Acenaphthene	14.792	153	147730	9.317	ng/ul	98
56) Dibenzofuran	15.133	168	96974	4.315	ng/ul	98
61) Fluorene	15.781	166	130568	7.127	ng/ul	97
72) Phenanthrene	17.533	178	2405091	111.476	ng/ul	99
74) Anthracene	17.622	178	534171	24.402	ng/ul	99
77) Carbazole	17.898	167	434967	22.067	ng/ul	100
80) Fluoranthene	19.498	202	4859722	189.631	ng/ul	95
82) Pyrene	19.851	202	3952183	149.064	ng/ul#	94
85) Benzo(a)anthracene	21.563	228	2719081	98.948	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.451	149	21570	1.245	ng/ul#	96
87) Chrysene	21.621	228	2531521	97.462	ng/ul	96
90) Benzo(b)fluoranthene	23.357	252	3941500	117.086	ng/ul	98
91) Benzo(k)fluoranthene	23.404	252	1188744	36.531	ng/ul	97
93) Benzo(a)pyrene	24.027	252	2679935	91.311	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.851	276	2188955	57.629	ng/ul#	95
95) Dibenzo(a,h)anthracene	26.851	278	599522	19.374	ng/ul#	79
96) Benzo(g,h,i)perylene	27.698	276	1992304	63.648	ng/ul	97

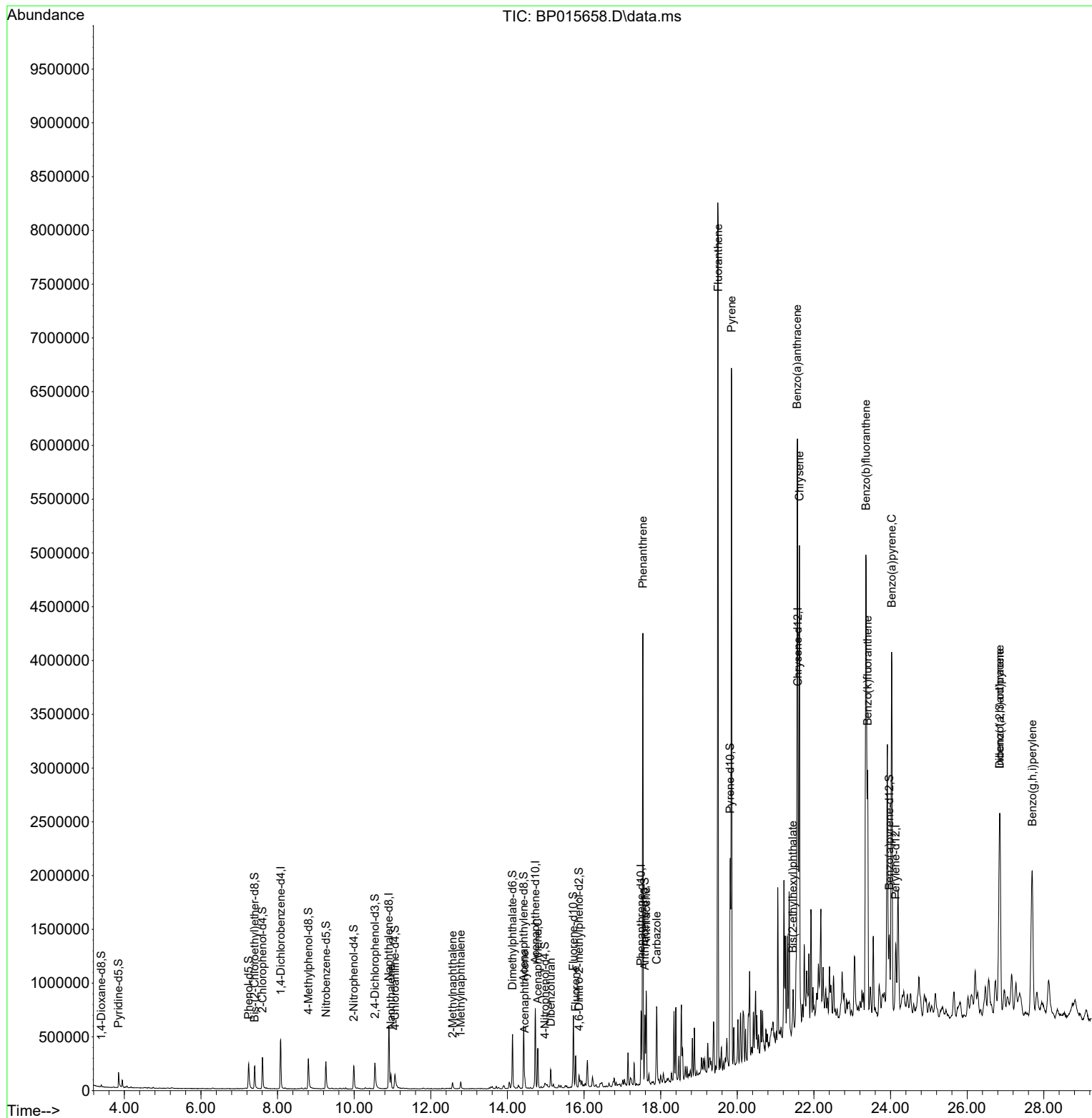
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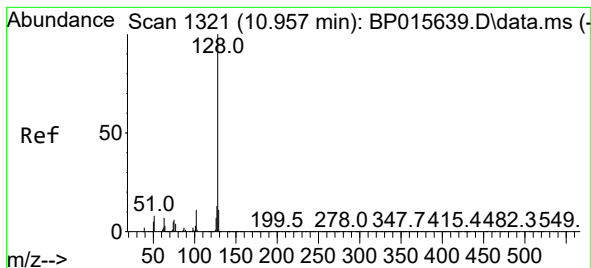
Instrument :
BNA_P
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#30

Naphthalene

Concen: 3.710 ng/ul

RT: 10.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

Instrument :

BNA_P

ClientSampleId :

DCFK9

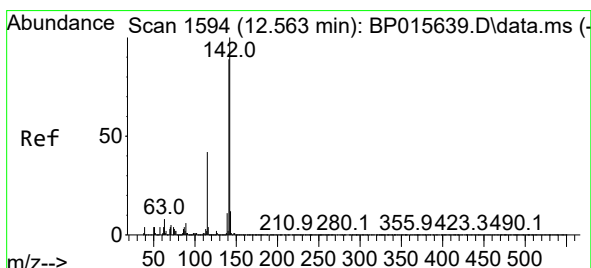
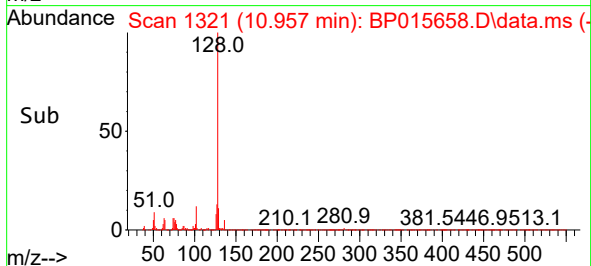
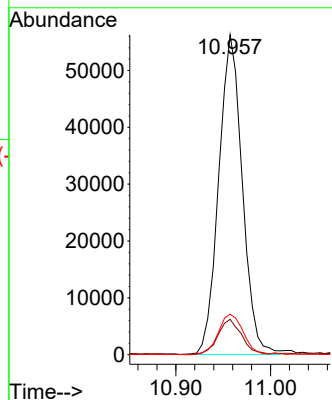
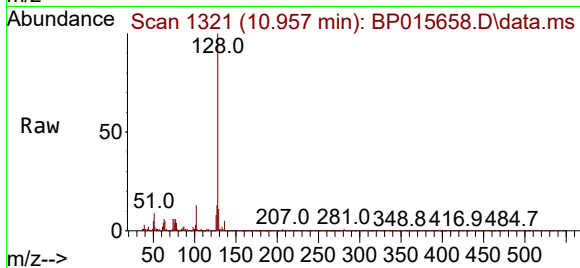
Tgt Ion:128 Resp: 97405

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

127 12.7 10.5 15.7



#36

2-Methylnaphthalene

Concen: 1.652 ng/ul

RT: 12.569 min Scan# 1595

Delta R.T. 0.006 min

Lab File: BP015658.D

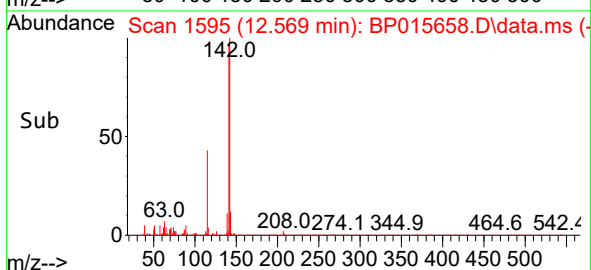
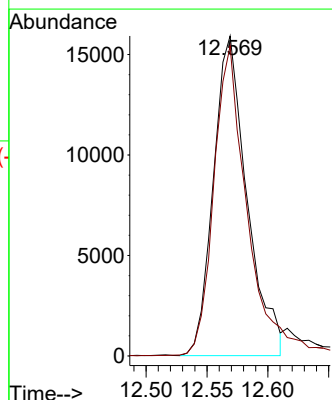
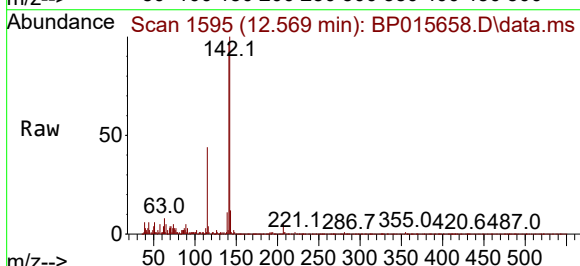
Acq: 22 Jun 2023 21:18

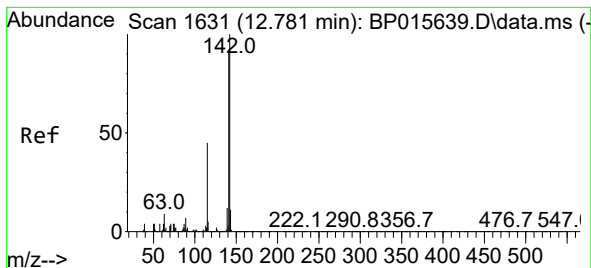
Tgt Ion:142 Resp: 30489

Ion Ratio Lower Upper

142 100

141 96.9 72.0 108.0





#37

1-Methylnaphthalene

Concen: 1.570 ng/ul

RT: 12.781 min Scan# 1631

Delta R.T. 0.000 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

Instrument :

BNA_P

ClientSampleId :

DCFK9

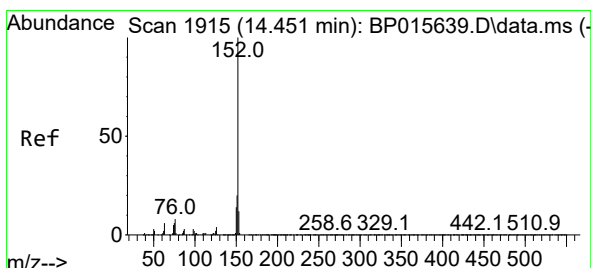
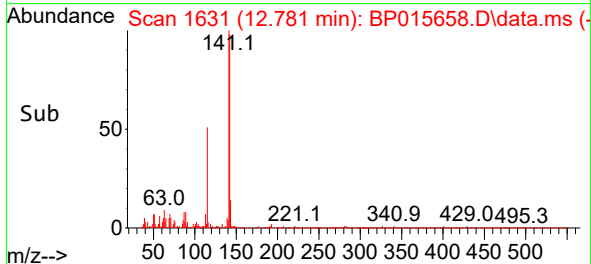
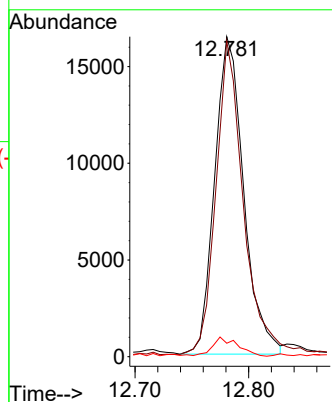
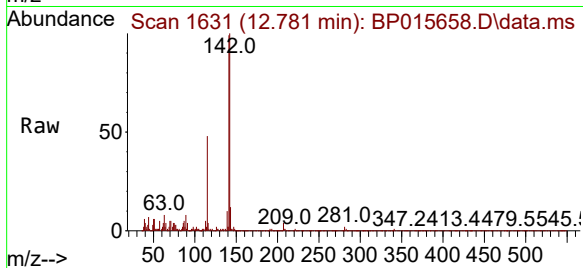
Tgt Ion:142 Resp: 29182

Ion Ratio Lower Upper

142 100

141 98.6 71.9 107.9

116 4.2 3.4 5.2



#50

Acenaphthylene

Concen: 2.227 ng/ul

RT: 14.451 min Scan# 1915

Delta R.T. 0.000 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

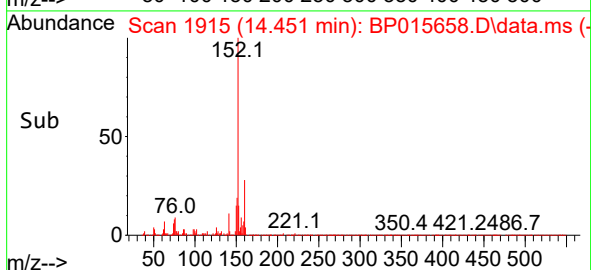
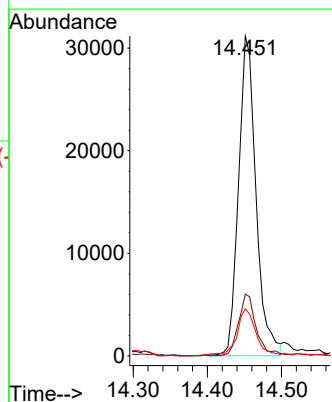
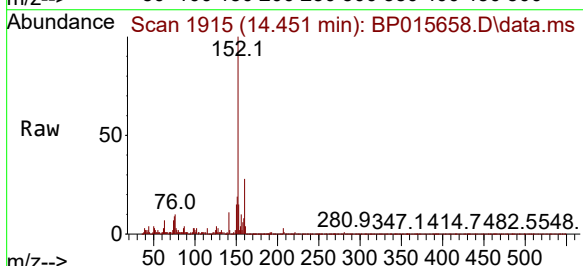
Tgt Ion:152 Resp: 51083

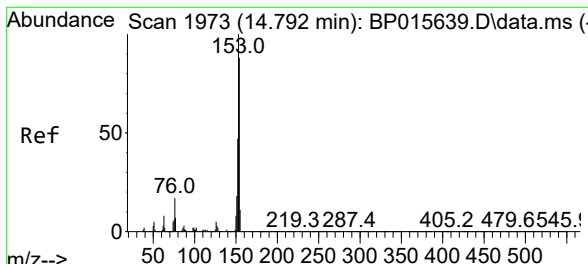
Ion Ratio Lower Upper

152 100

151 19.3 16.0 24.0

153 14.8 10.6 15.8

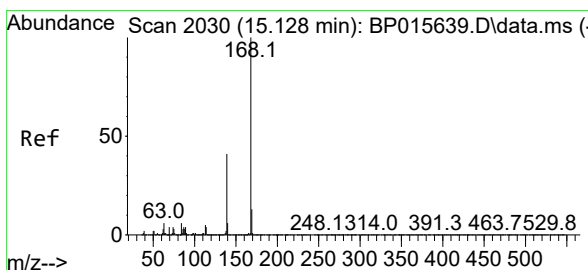
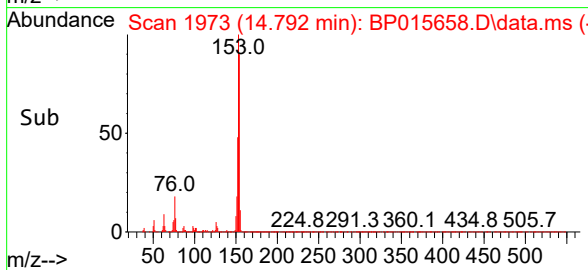
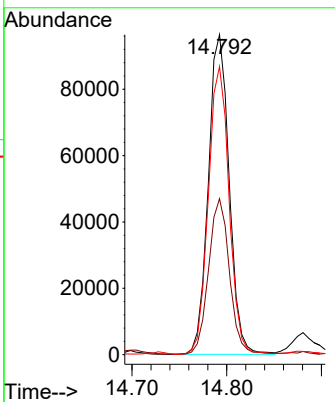
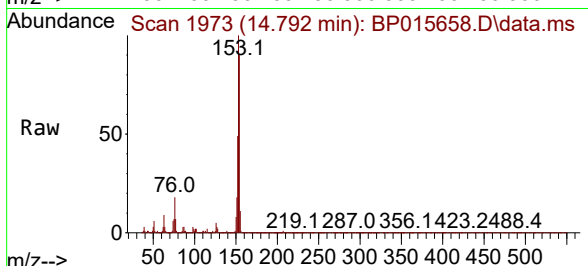




#52
Acenaphthene
Concen: 9.317 ng/ul
RT: 14.792 min Scan# 1973
Delta R.T. 0.000 min
Lab File: BP015658.D
Acq: 22 Jun 2023 21:18

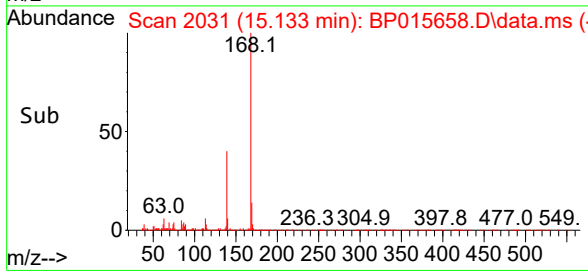
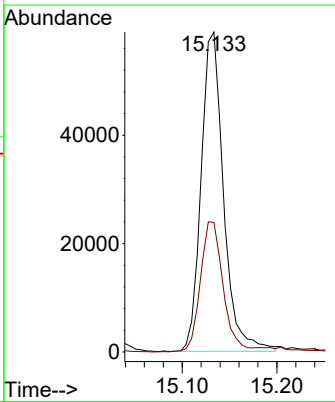
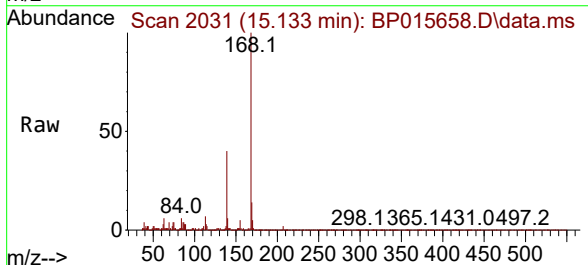
Instrument :
BNA_P
ClientSampleId :
DCFK9

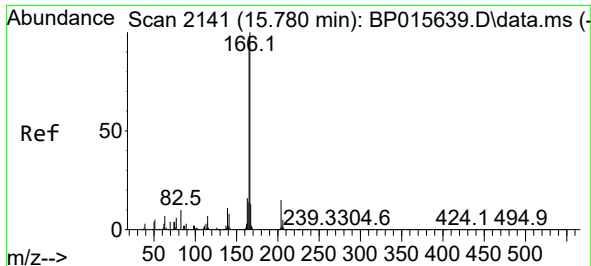
Tgt Ion:	153	Resp:	147730
Ion	Ratio	Lower	Upper
153	100		
152	48.8	38.3	57.5
154	90.1	69.8	104.6



#56
Dibenzofuran
Concen: 4.315 ng/ul
RT: 15.133 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BP015658.D
Acq: 22 Jun 2023 21:18

Tgt Ion:	168	Resp:	96974
Ion	Ratio	Lower	Upper
168	100		
139	40.5	31.2	46.8

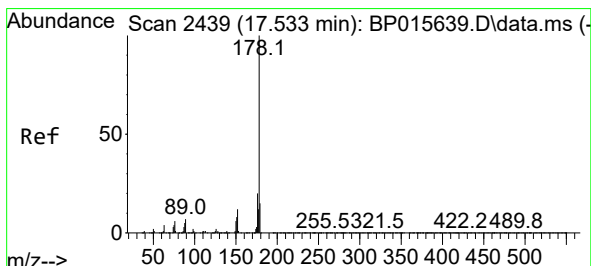
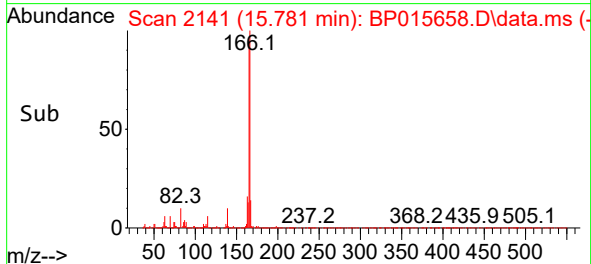
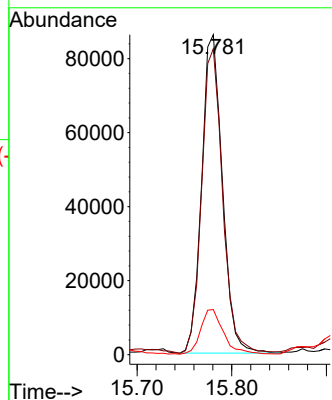
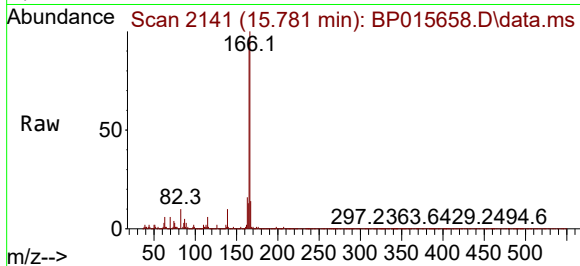




#61
Fluorene
Concen: 7.127 ng/ul
RT: 15.781 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP015658.D
Acq: 22 Jun 2023 21:18

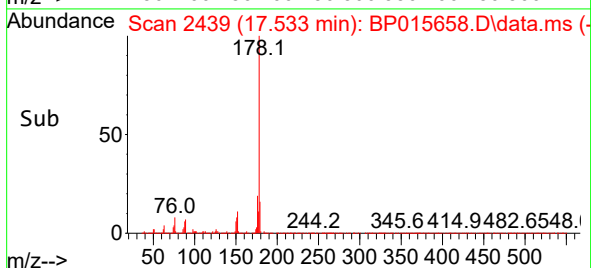
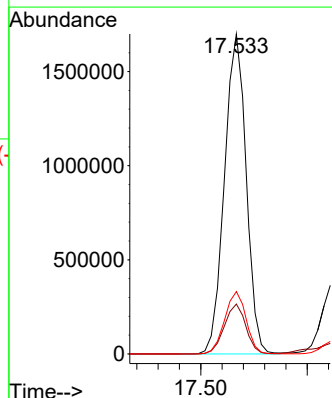
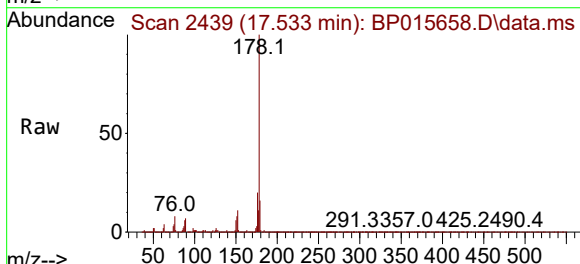
Instrument :
BNA_P
ClientSampleId :
DCFK9

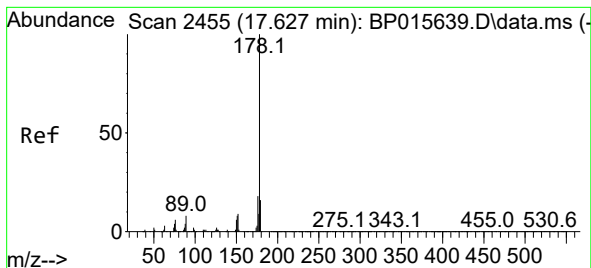
Tgt Ion:166 Resp: 130568
Ion Ratio Lower Upper
166 100
165 95.6 79.1 118.7
167 14.1 10.6 16.0



#72
Phenanthrene
Concen: 111.476 ng/ul
RT: 17.533 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP015658.D
Acq: 22 Jun 2023 21:18

Tgt Ion:178 Resp: 2405091
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.5 15.4 23.0





#74

Anthracene

Concen: 24.402 ng/ul

RT: 17.622 min Scan# 2455

Delta R.T. -0.006 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

Instrument :

BNA_P

ClientSampleId :

DCFK9

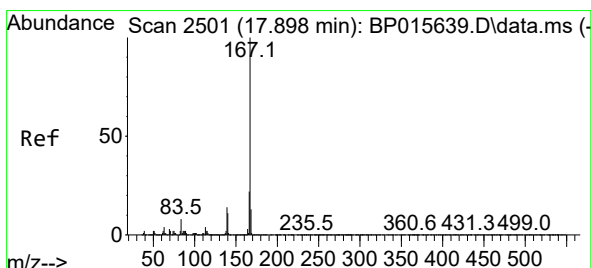
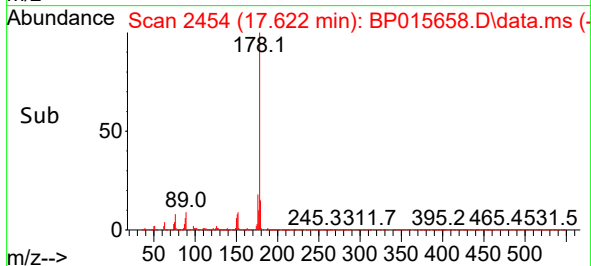
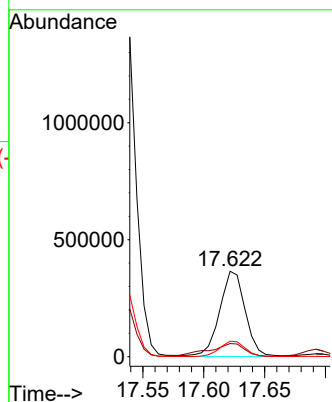
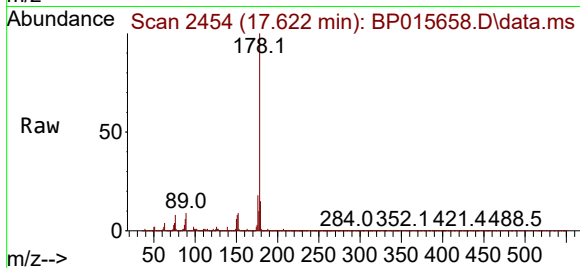
Tgt Ion:178 Resp: 534171

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

176 18.3 15.0 22.4



#77

Carbazole

Concen: 22.067 ng/ul

RT: 17.898 min Scan# 2501

Delta R.T. 0.000 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

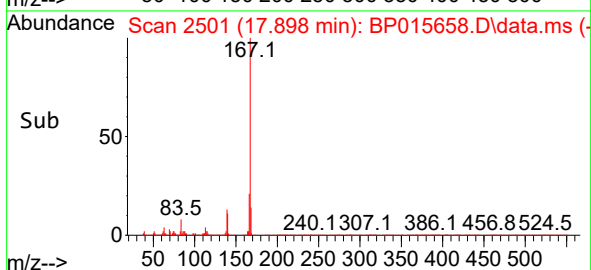
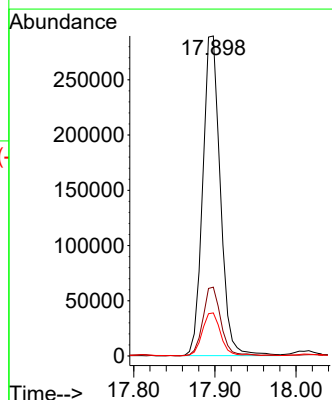
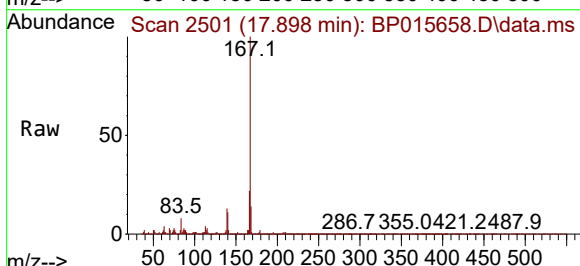
Tgt Ion:167 Resp: 434967

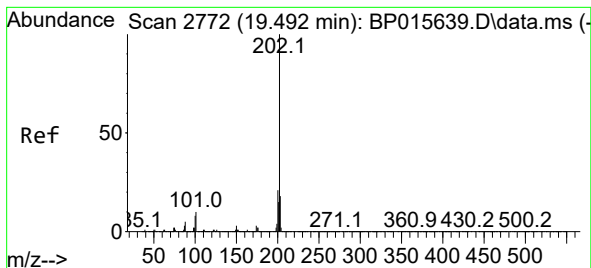
Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 13.5 10.6 16.0





#80

Fluoranthene

Concen: 189.631 ng/ul

RT: 19.498 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015658.D

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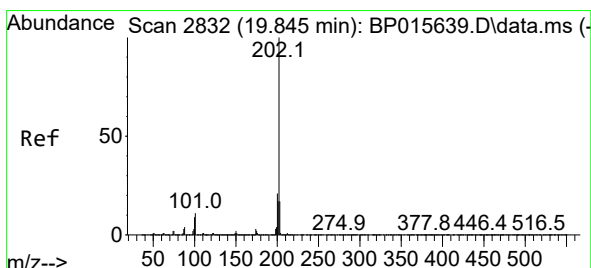
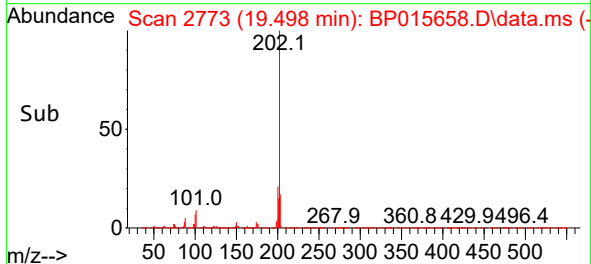
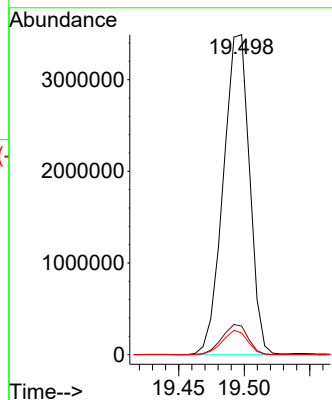
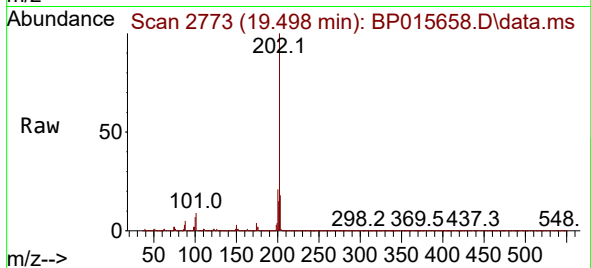
Tgt Ion:202 Resp: 4859722

Ion Ratio Lower Upper

202 100

101 8.9 8.6 13.0

100 6.8 6.6 9.8



#82

Pyrene

Concen: 149.064 ng/ul

RT: 19.851 min Scan# 2833

Delta R.T. 0.006 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

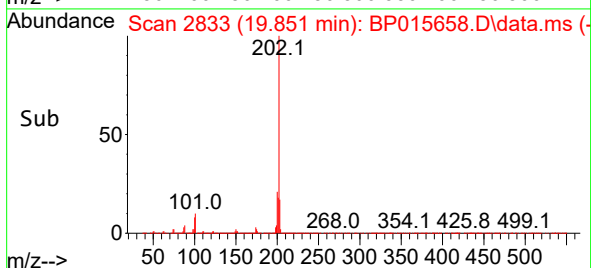
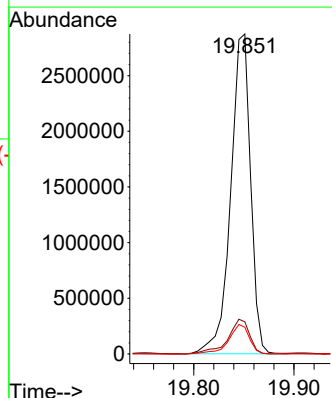
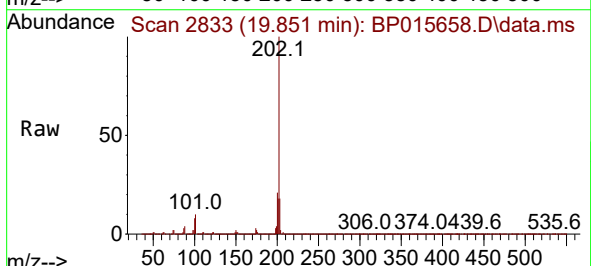
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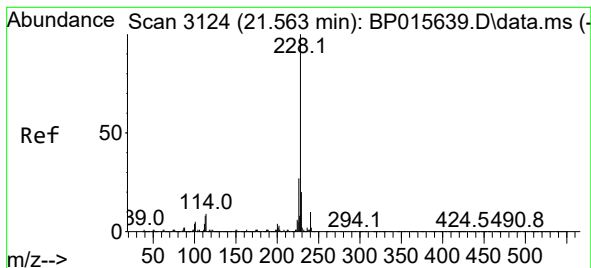
Ion Ratio Lower Upper

202 100

101 10.0 9.9 14.9

100 8.3 8.4 12.6#





#85

Benzo(a)anthracene

Concen: 98.948 ng/ul

RT: 21.563 min Scan# 3124

Delta R.T. 0.000 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

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DCFK9

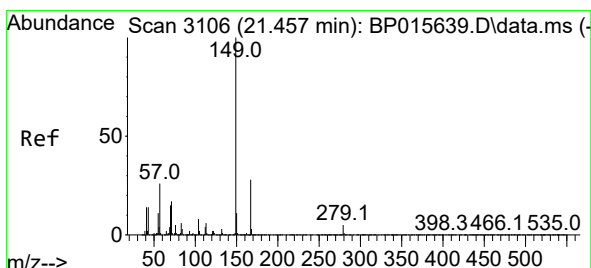
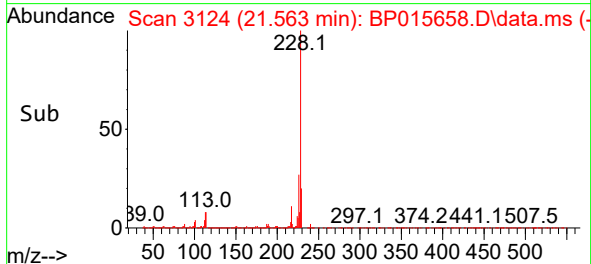
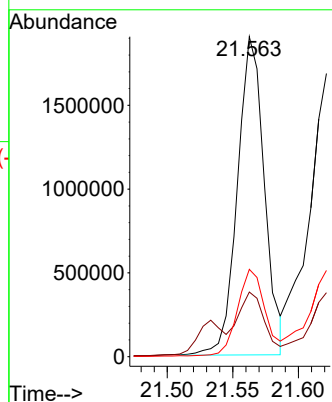
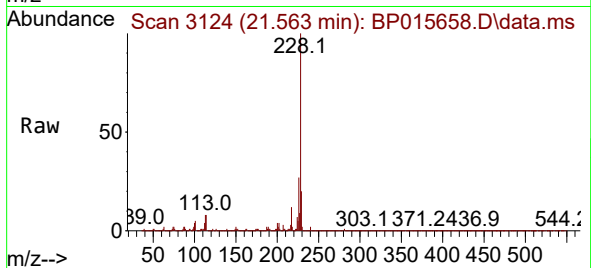
Tgt Ion:228 Resp: 2719081

Ion Ratio Lower Upper

228 100

229 20.2 15.8 23.6

226 27.3 21.8 32.6



#86

Bis(2-ethylhexyl)phthalate

Concen: 1.245 ng/ul

RT: 21.451 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

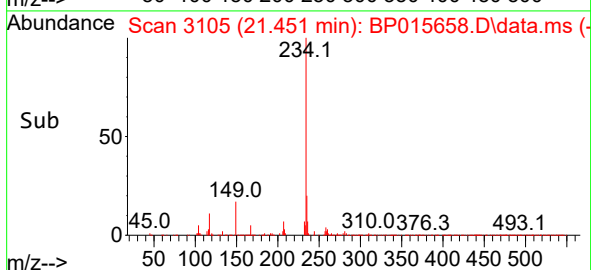
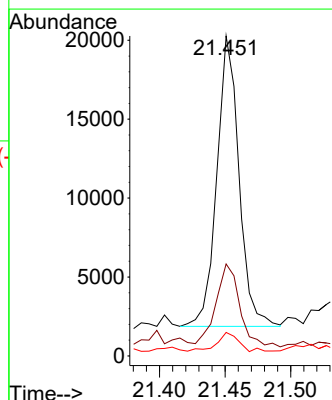
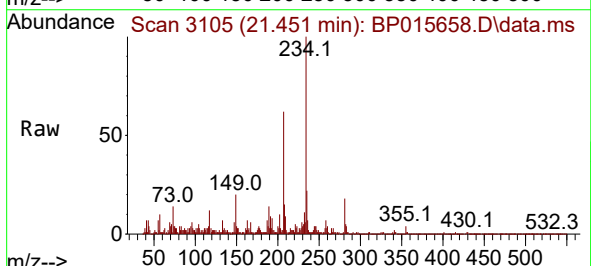
Tgt Ion:149 Resp: 21570

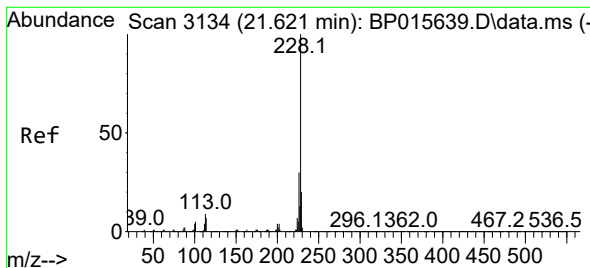
Ion Ratio Lower Upper

149 100

167 28.7 21.8 32.8

279 7.4 3.7 5.5#





#87

Chrysene

Concen: 97.462 ng/ul

RT: 21.621 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

Instrument :

BNA_P

ClientSampleId :

DCFK9

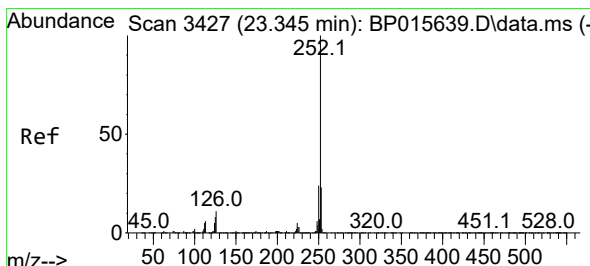
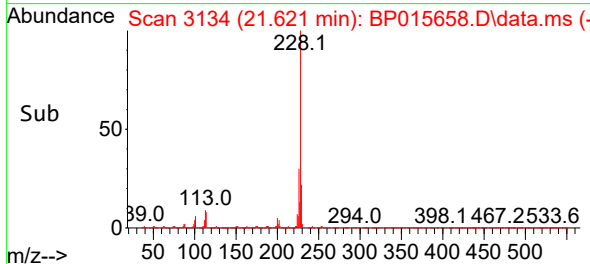
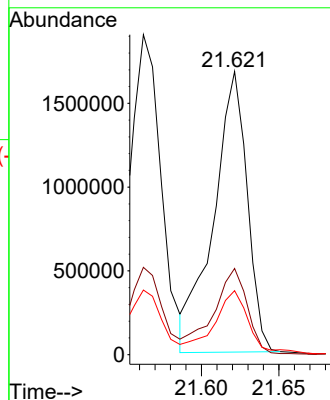
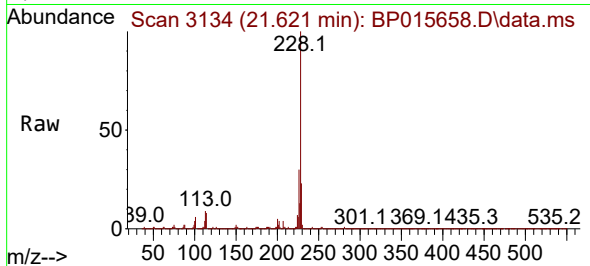
Tgt Ion:228 Resp: 2531521

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

229 22.6 15.1 22.7



#90

Benzo(b)fluoranthene

Concen: 117.086 ng/ul

RT: 23.357 min Scan# 3429

Delta R.T. 0.012 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

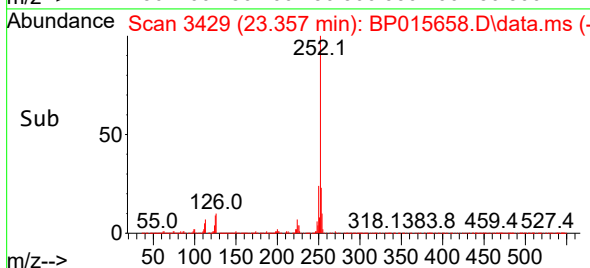
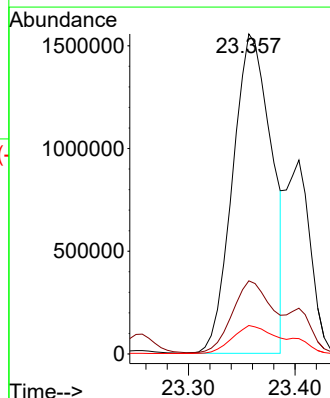
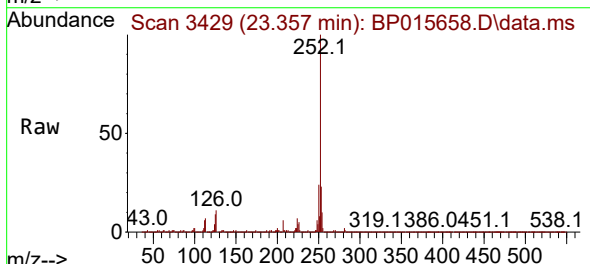
Tgt Ion:252 Resp: 3941500

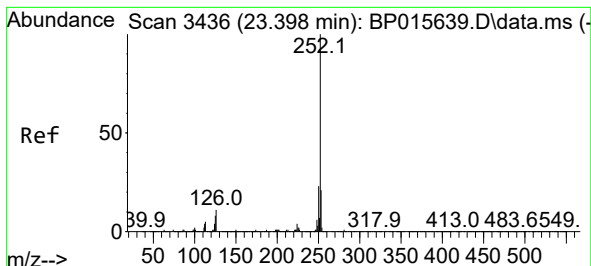
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.2

125 8.9 7.3 10.9





#91

Benzo(k)fluoranthene

Concen: 36.531 ng/ul

RT: 23.404 min Scan# 3436

Delta R.T. 0.006 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

Instrument :

BNA_P

ClientSampleId :

DCFK9

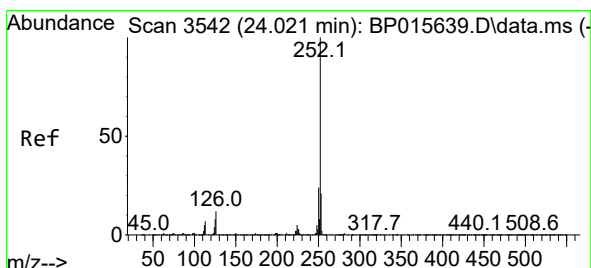
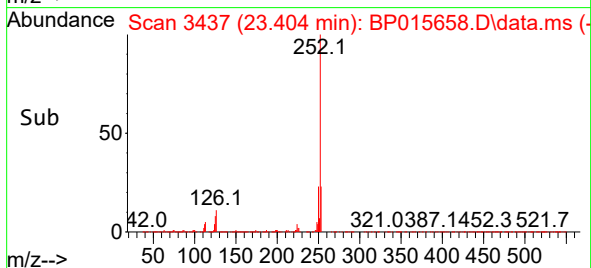
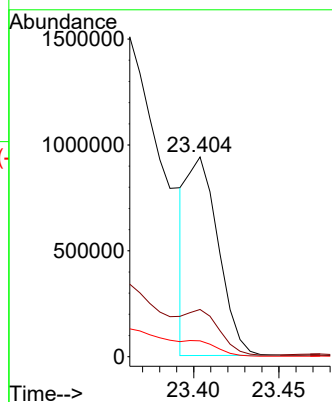
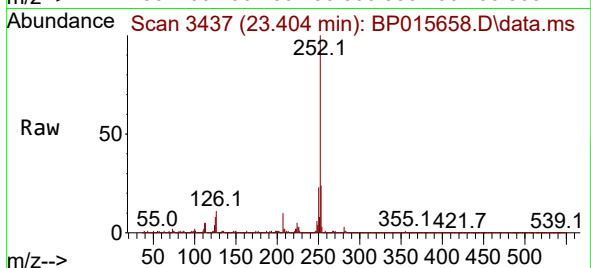
Tgt Ion:252 Resp: 1188744

Ion Ratio Lower Upper

252 100

253 23.6 17.7 26.5

125 8.0 7.3 10.9



#93

Benzo(a)pyrene

Concen: 91.311 ng/ul

RT: 24.027 min Scan# 3543

Delta R.T. 0.006 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

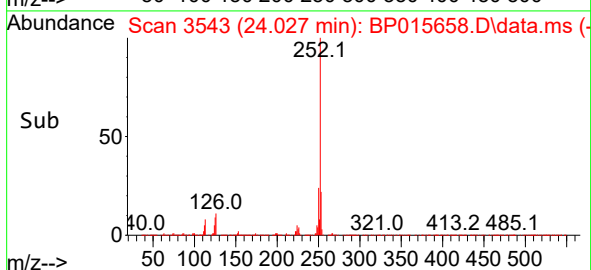
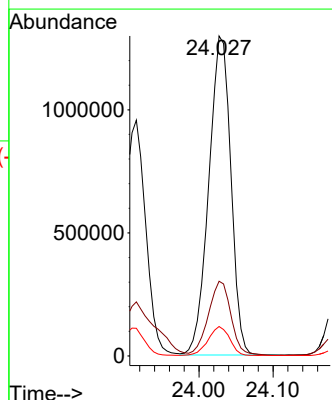
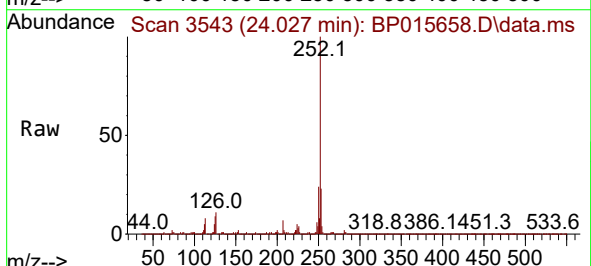
Tgt Ion:252 Resp: 2679935

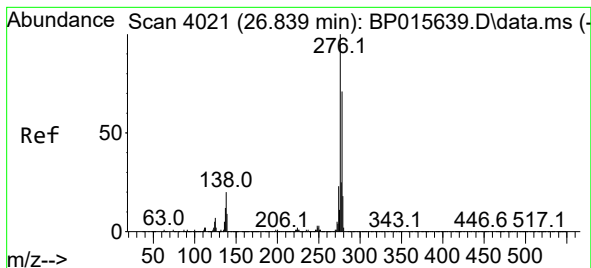
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.6

125 9.2 8.1 12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 57.629 ng/ul

RT: 26.851 min Scan# 4023

Delta R.T. 0.012 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

Instrument :

BNA_P

ClientSampleId :

DCFK9

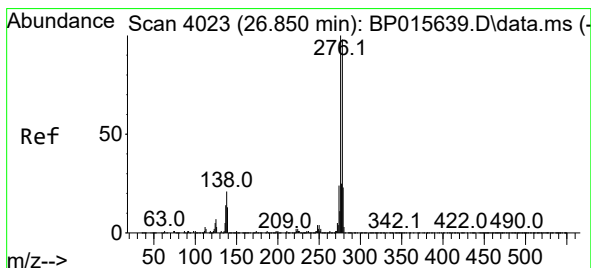
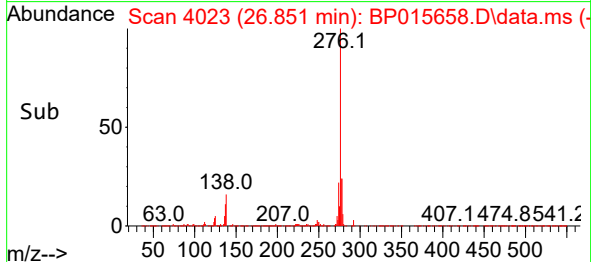
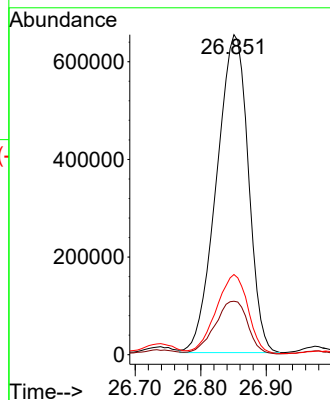
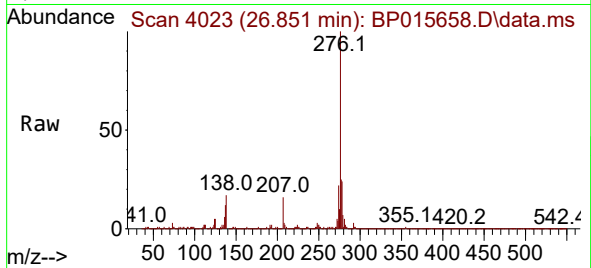
Tgt Ion:276 Resp: 2188955

Ion Ratio Lower Upper

276 100

138 16.7 17.3 25.9#

277 25.1 20.2 30.2



#95

Dibenzo(a,h)anthracene

Concen: 19.374 ng/ul

RT: 26.851 min Scan# 4023

Delta R.T. 0.000 min

Lab File: BP015658.D

Acq: 22 Jun 2023 21:18

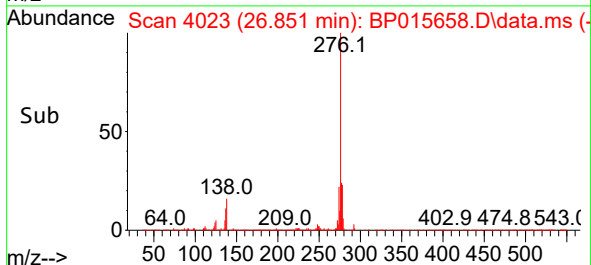
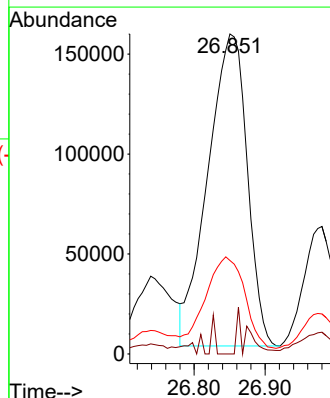
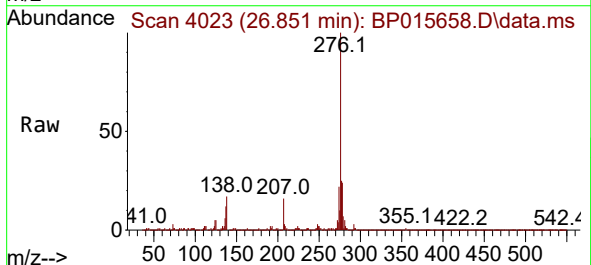
Tgt Ion:278 Resp: 599522

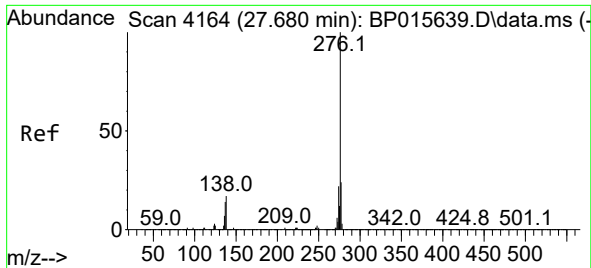
Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0#

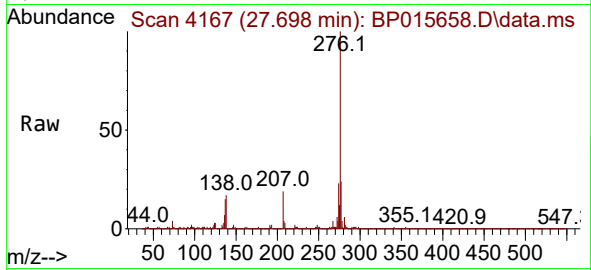
279 29.2 18.7 28.1#





#96
Benzo(g,h,i)perylene
Concen: 63.648 ng/ul
RT: 27.698 min Scan# 4167
Delta R.T. 0.018 min
Lab File: BP015658.D
Acq: 22 Jun 2023 21:18

Instrument :
BNA_P
ClientSampleId :
DCFK9



Tgt Ion:276 Resp: 1992304
Ion Ratio Lower Upper
276 100
138 17.4 15.6 23.4
277 24.5 19.0 28.6

