

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100223\
 Data File : BP017513.D
 Acq On : 03 Oct 2023 12:41
 Operator : MA/JU
 Sample : 04417-35
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EZYN4

Quant Time: Oct 03 23:27:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 03 22:59:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	119887	20.000	ng/u1	0.00
20) Naphthalene-d8	10.775	136	495041	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.633	164	296627	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.422	188	639288	20.000	ng/u1	0.00
79) Chrysene-d12	21.562	240	622604	20.000	ng/u1	0.00
88) Perylene-d12	24.151	264	712947	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.287	96	6891	2.361	ng/uL	0.00
4) Pyridine-d5	3.734	84	17507	2.146	ng/u1	0.02
7) Phenol-d5	7.099	99	93997	9.546	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.275	67	134461	22.628	ng/u1	0.00
11) 2-Chlorophenol-d4	7.457	132	63311	8.107	ng/u1	0.00
15) 4-Methylphenol-d8	8.663	113	64897	8.478	ng/u1	0.00
21) Nitrobenzene-d5	9.145	128	86877	24.275	ng/u1	0.00
24) 2-Nitrophenol-d4	9.863	143	30561	7.864	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.398	165	58661	7.990	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	129176	12.146	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	508916	23.950	ng/u1	0.00
49) Acenaphthylene-d8	14.333	160	594922	24.343	ng/u1	0.00
54) 4-Nitrophenol-d4	14.898	143	17667	4.772	ng/u1	0.02
60) Fluorene-d10	15.639	176	456922	24.977	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.780	200	8146	2.261	ng/u1	0.00
73) Anthracene-d10	17.527	188	637590	22.488	ng/u1	0.00
81) Pyrene-d10	19.780	212	850661	25.266	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	824855	24.030	ng/u1	0.00
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.099	77	9030	1.797	ng/u1	89
8) Phenol	7.128	94	12257	1.238	ng/u1	94
16) Acetophenone	8.793	105	61988	5.240	ng/u1	94
30) Naphthalene	10.828	128	309377	12.002	ng/u1	100
36) 2-Methylnaphthalene	12.439	142	348274	20.701	ng/u1	98
37) 1-Methylnaphthalene	12.663	142	172664	10.040	ng/u1	97
43) 1,1'-Biphenyl	13.457	154	50492	2.244	ng/u1	99
50) Acenaphthylene	14.363	152	121157	4.240	ng/u1	97
56) Dibenzofuran	15.039	168	104049	4.026	ng/u1	97
57) 2,4-Dinitrotoluene	15.022	165	11350	2.073	ng/u1#	60
67) N-Nitrosodiphenylamine	15.886	169	56443	3.210	ng/u1#	34
72) Phenanthrene	17.469	178	588538	17.577	ng/u1	99
74) Anthracene	17.563	178	206123	6.074	ng/u1	98
77) Carbazole	17.851	167	34120	1.130	ng/u1#	78
80) Fluoranthene	19.451	202	2274236	57.919	ng/u1	98
82) Pyrene	19.810	202	1977204	47.368	ng/u1	99
85) Benzo(a)anthracene	21.545	228	1347515	32.068	ng/u1	97
87) Chrysene	21.604	228	1218640	30.816	ng/u1	97
90) Benzo(b)fluoranthene	23.345	252	1706053	40.587	ng/u1	99
91) Benzo(k)fluoranthene	23.392	252	595055	14.032	ng/u1	97
93) Benzo(a)pyrene	24.033	252	1112101	27.652	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.892	276	836773	16.599	ng/u1	96
95) Dibenzo(a,h)anthracene	26.921	278	237024	5.645	ng/u1	95
96) Benzo(g,h,i)perylene	27.750	276	645927	15.889	ng/u1	98

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QLast Update : Tue Oct 03 22:59:42 2023
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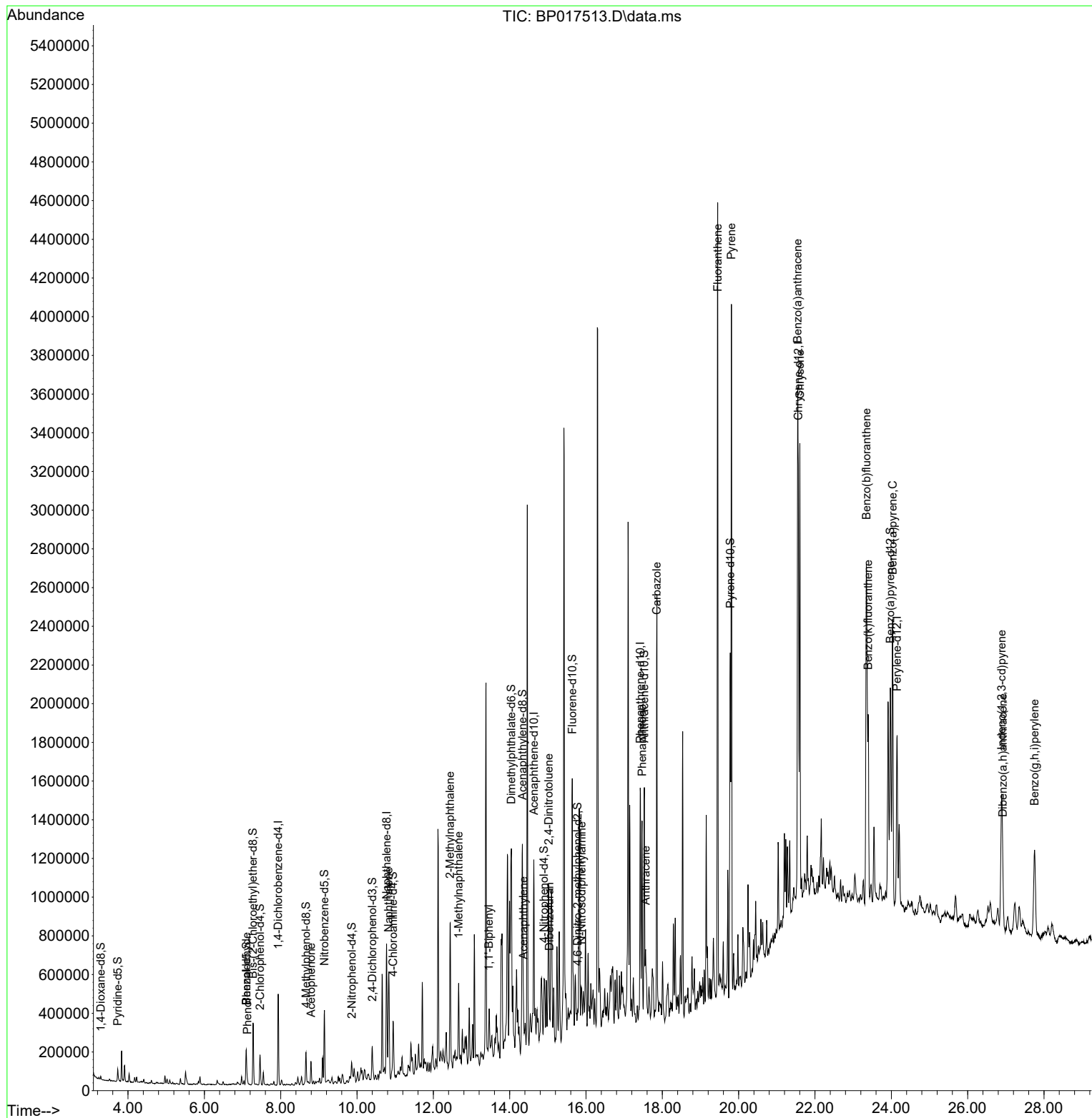
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

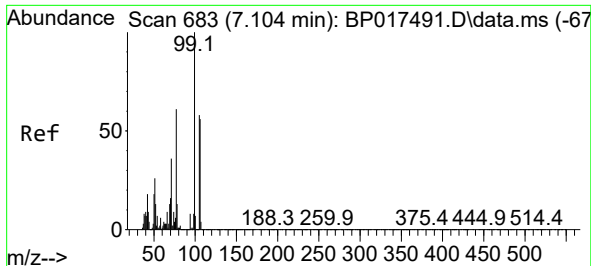
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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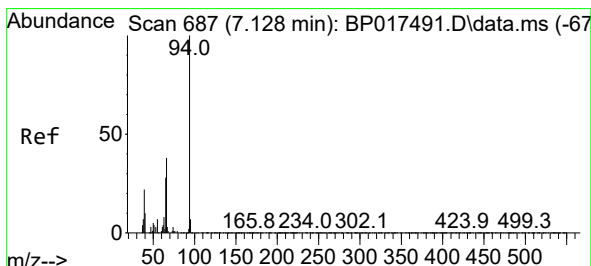
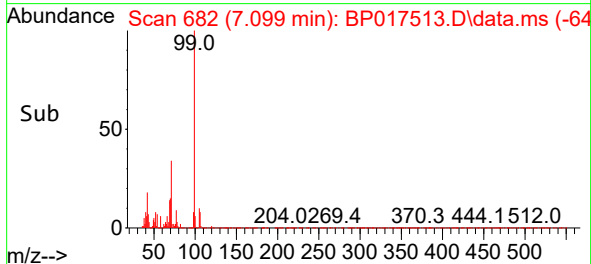
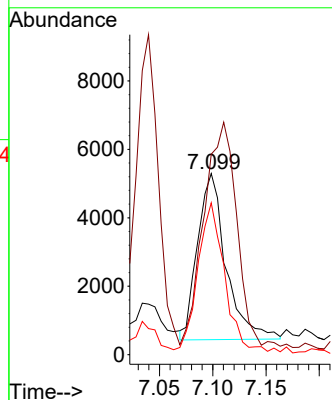
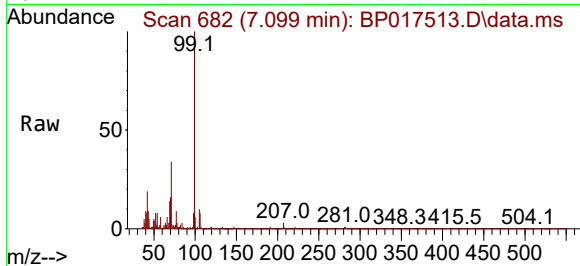




#6
Benzaldehyde
Concen: 1.797 ng/ul
RT: 7.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

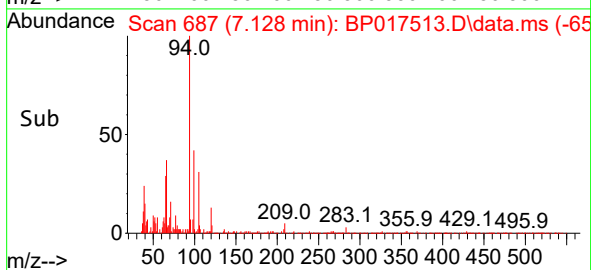
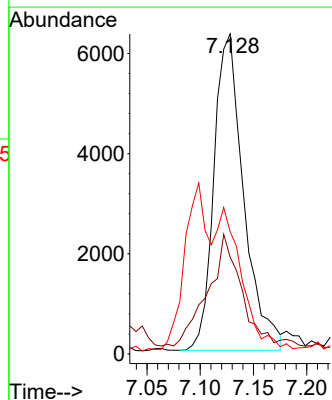
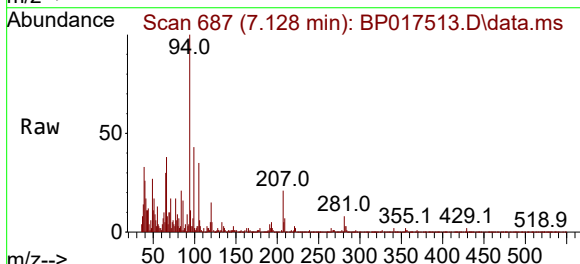
Instrument :
BNA_P
ClientSampleId :
EZYN4

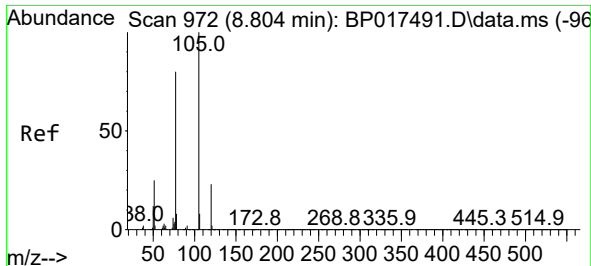
Tgt Ion: 77 Resp: 9030
Ion Ratio Lower Upper
77 100
105 110.7 78.0 117.0
106 83.9 73.2 109.8



#8
Phenol
Concen: 1.238 ng/ul
RT: 7.128 min Scan# 687
Delta R.T. 0.006 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

Tgt Ion: 94 Resp: 12257
Ion Ratio Lower Upper
94 100
65 30.3 21.4 32.2
66 38.2 28.2 42.2

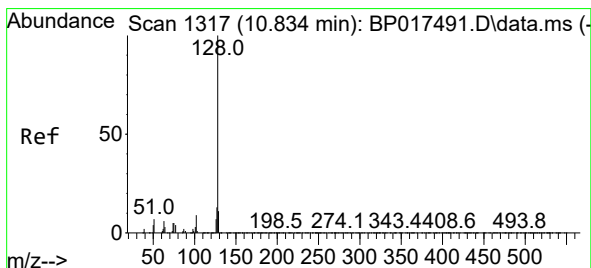
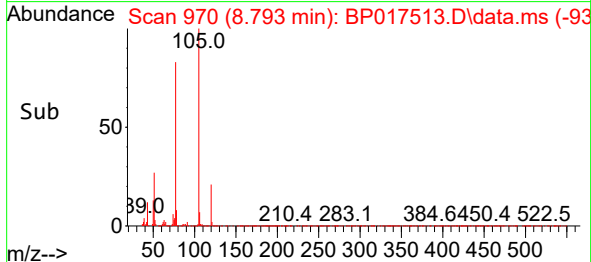
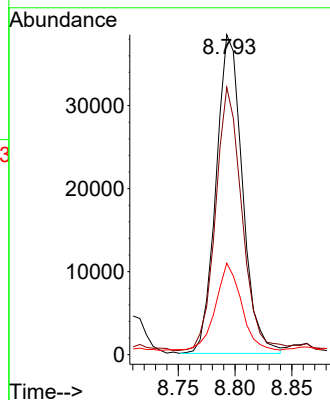
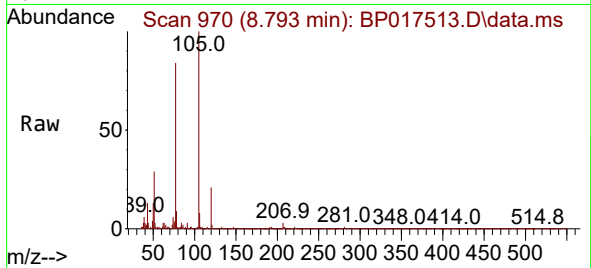




#16
Acetophenone
Concen: 5.240 ng/ul
RT: 8.793 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

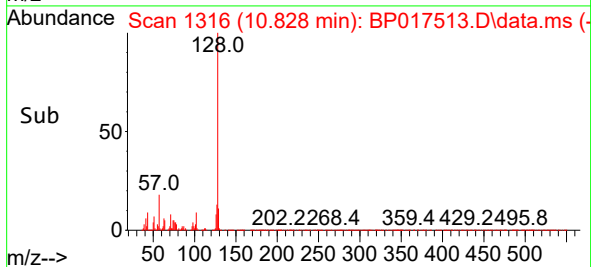
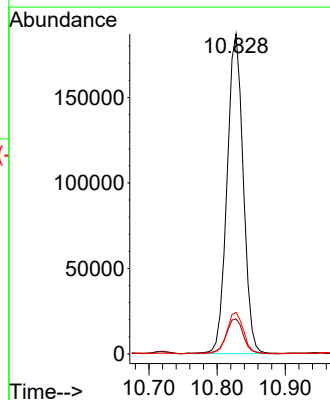
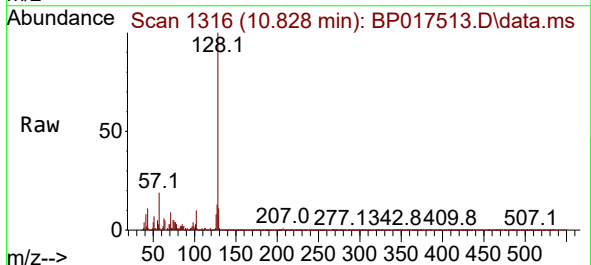
Instrument :
BNA_P
ClientSampleId :
EZYN4

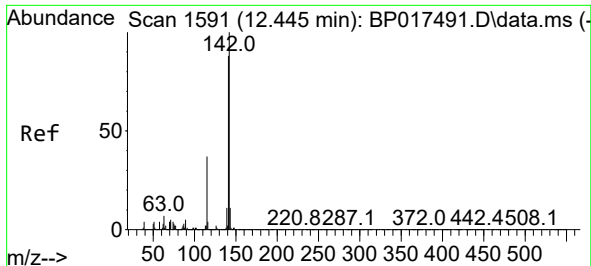
Tgt Ion:105 Resp: 61988
Ion Ratio Lower Upper
105 100
77 83.6 63.6 95.4
51 28.6 19.2 28.8



#30
Naphthalene
Concen: 12.002 ng/ul
RT: 10.828 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

Tgt Ion:128 Resp: 309377
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.0 10.6 15.8

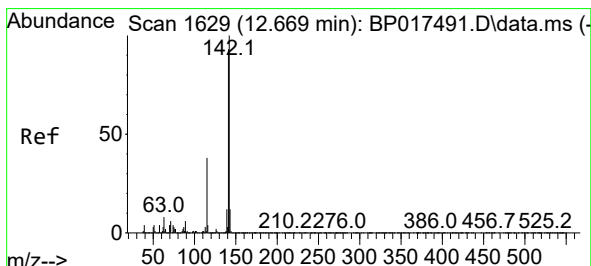
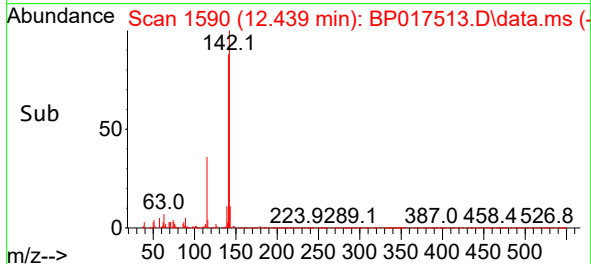
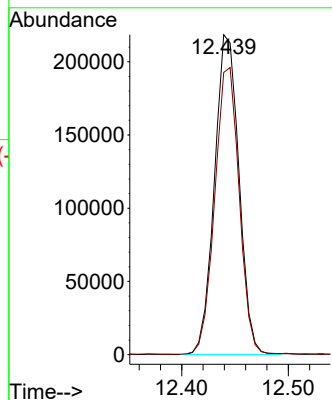
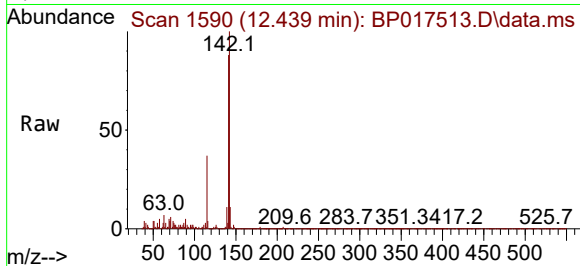




#36
2-Methylnaphthalene
Concen: 20.701 ng/ul
RT: 12.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

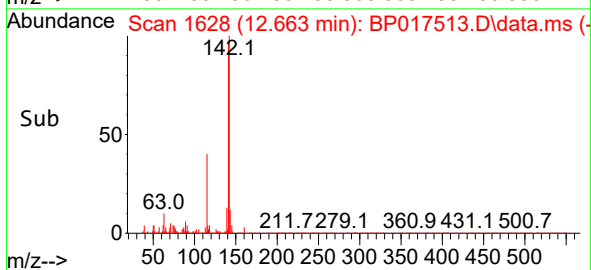
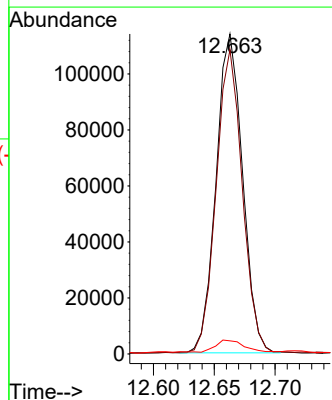
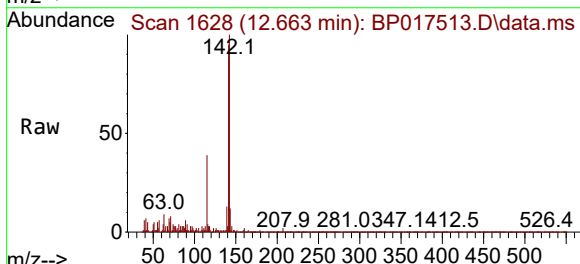
Instrument :
BNA_P
ClientSampleId :
EZYN4

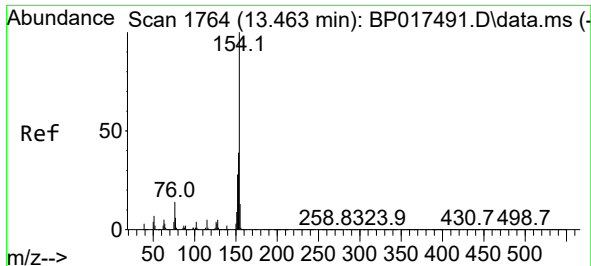
Tgt Ion:142 Resp: 348274
Ion Ratio Lower Upper
142 100
141 88.2 71.9 107.9



#37
1-Methylnaphthalene
Concen: 10.040 ng/ul
RT: 12.663 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

Tgt Ion:142 Resp: 172664
Ion Ratio Lower Upper
142 100
141 95.1 73.4 110.2
116 4.1 3.1 4.7

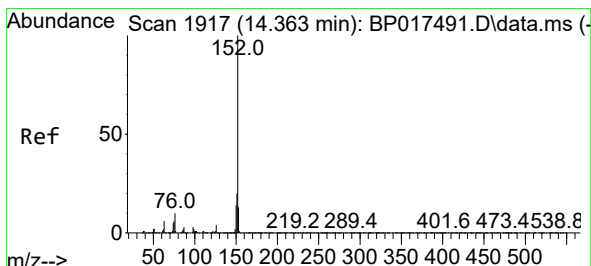
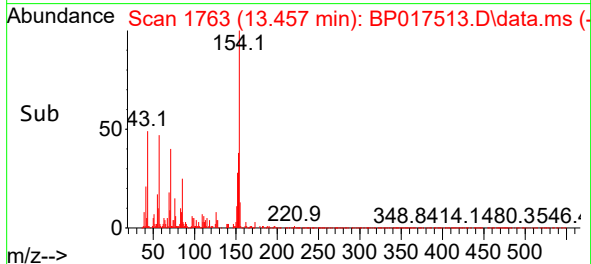
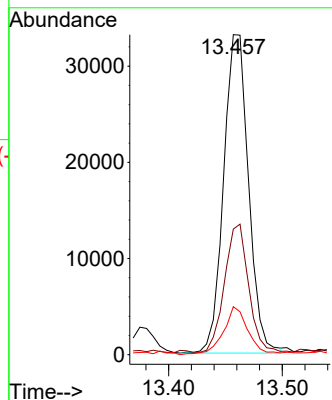
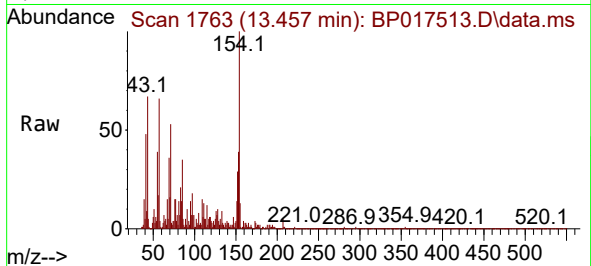




#43
1,1'-Biphenyl
Concen: 2.244 ng/ul
RT: 13.457 min Scan# 1763
Delta R.T. 0.000 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

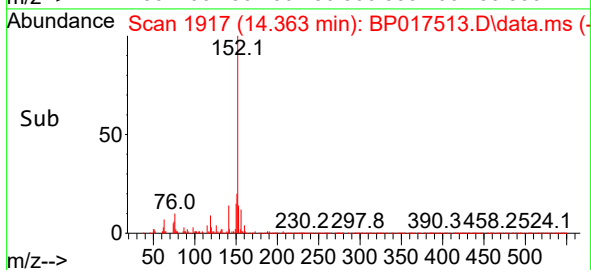
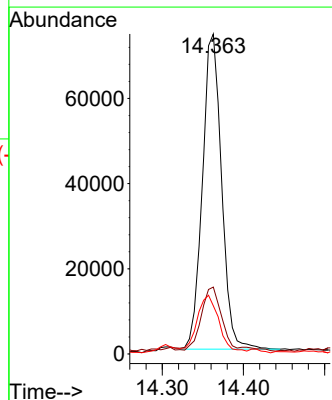
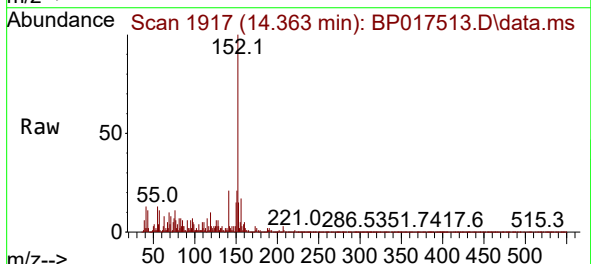
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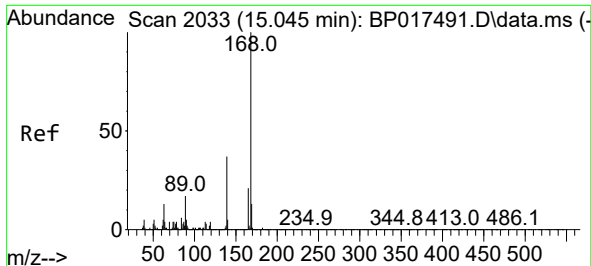
Tgt Ion:154 Resp: 50492
Ion Ratio Lower Upper
154 100
153 39.2 31.5 47.3
76 15.0 11.0 16.6



#50
Acenaphthylene
Concen: 4.240 ng/ul
RT: 14.363 min Scan# 1917
Delta R.T. 0.006 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

Tgt Ion:152 Resp: 121157
Ion Ratio Lower Upper
152 100
151 20.9 16.0 24.0
153 15.1 10.4 15.6

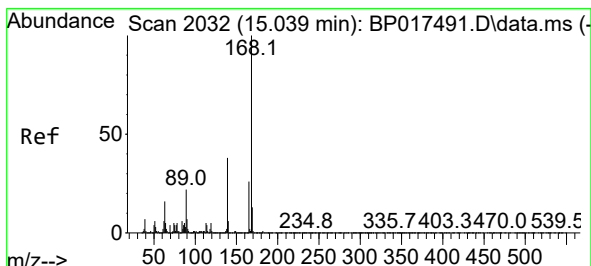
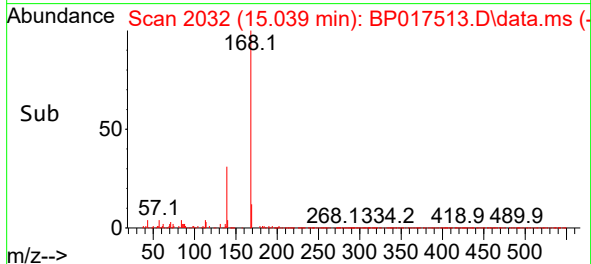
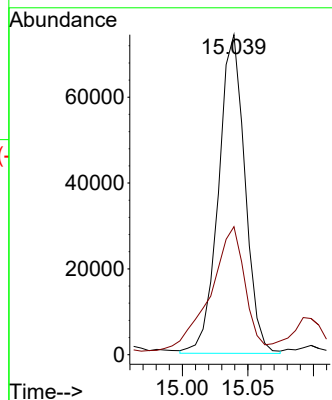
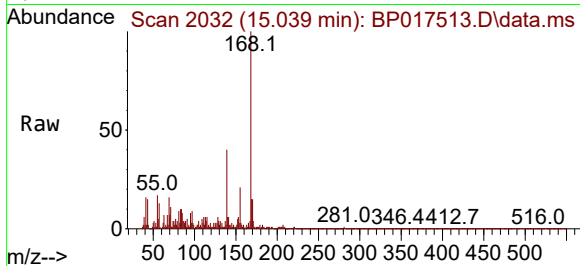




#56
Dibenzofuran
Concen: 4.026 ng/ul
RT: 15.039 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BP017513.D
Acq: 03 Oct 2023 12:41

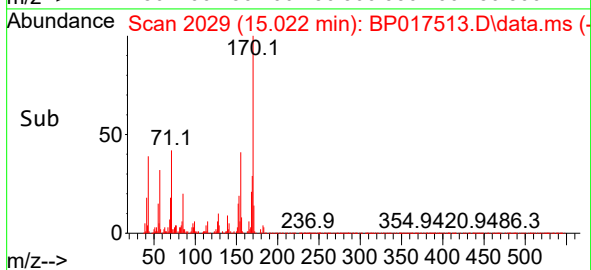
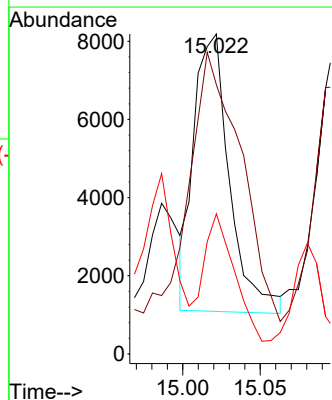
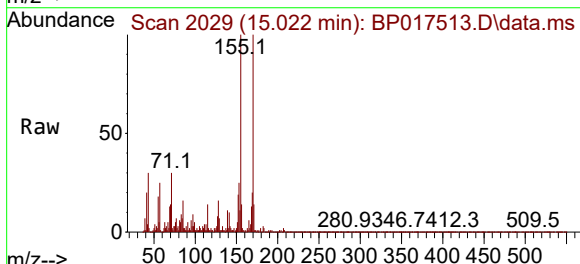
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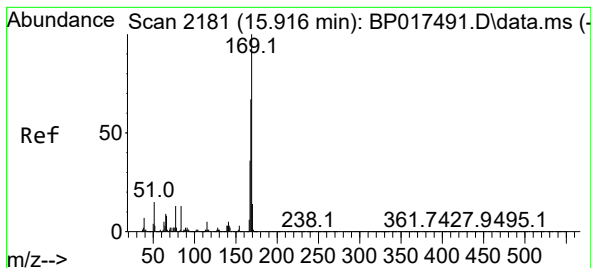
Tgt Ion:168 Resp: 104049
Ion Ratio Lower Upper
168 100
139 40.0 30.6 45.8



#57
2,4-Dinitrotoluene
Concen: 2.073 ng/ul
RT: 15.022 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BP017513.D
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Tgt Ion:165 Resp: 11350
Ion Ratio Lower Upper
165 100
63 84.2 45.6 68.4#
182 43.8 2.0 3.0#





#67

N-Nitrosodiphenylamine

Concen: 3.210 ng/ul

RT: 15.886 min Scan# 2181

Delta R.T. -0.029 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

Instrument :

BNA_P

ClientSampleId :

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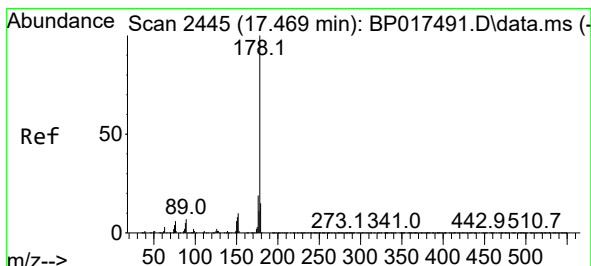
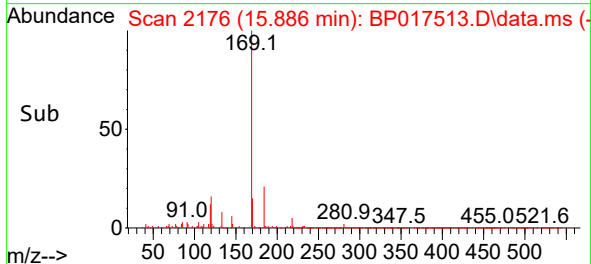
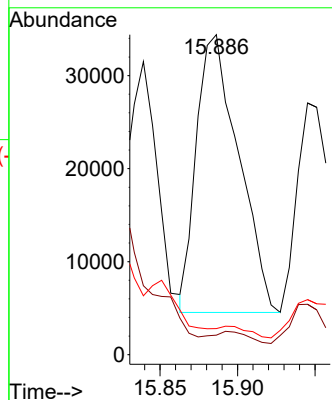
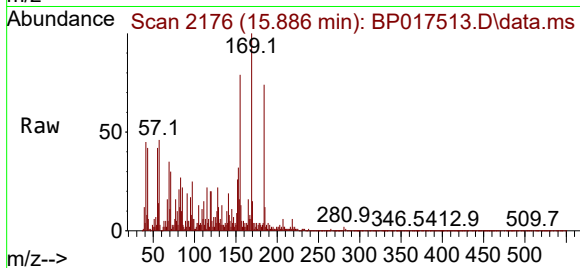
Tgt Ion:169 Resp: 56443

Ion Ratio Lower Upper

169 100

168 6.1 53.5 80.3#

167 8.2 30.0 45.0#



#72

Phenanthrene

Concen: 17.577 ng/ul

RT: 17.469 min Scan# 2445

Delta R.T. 0.006 min

Lab File: BP017513.D

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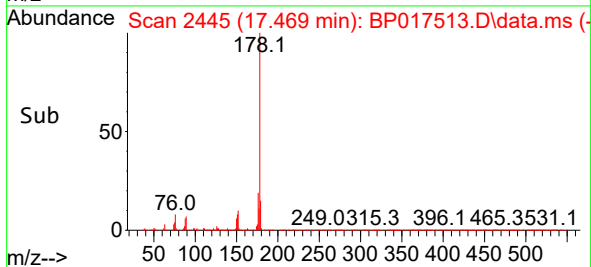
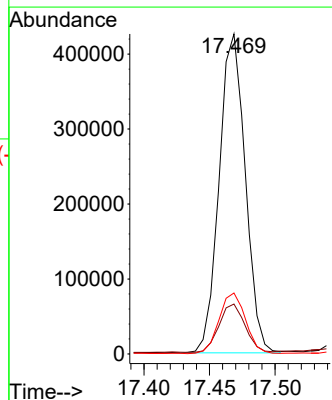
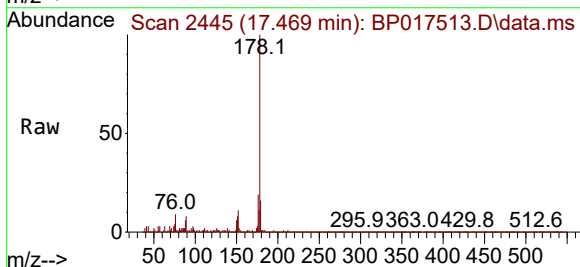
Tgt Ion:178 Resp: 588538

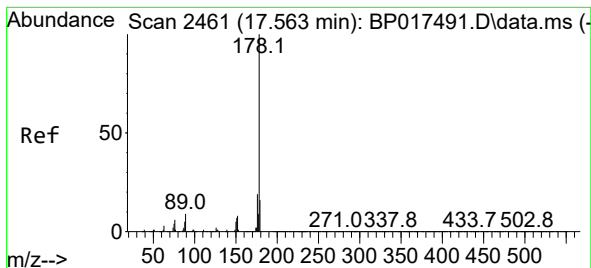
Ion Ratio Lower Upper

178 100

179 15.6 12.7 19.1

176 19.1 15.8 23.6





#74

Anthracene

Concen: 6.074 ng/ul

RT: 17.563 min Scan# 2461

Delta R.T. 0.006 min

Lab File: BP017513.D

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Instrument :

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ClientSampleId :

EZYN4

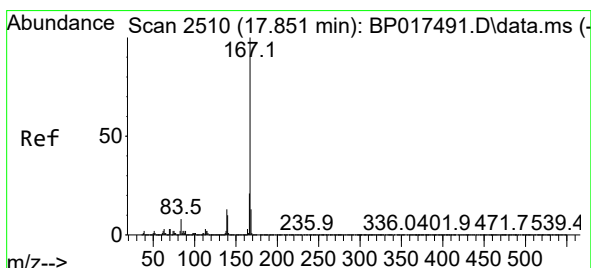
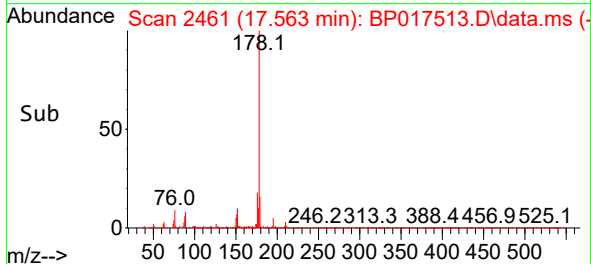
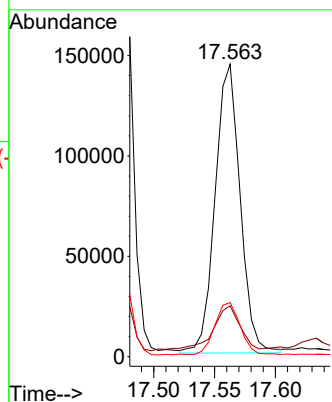
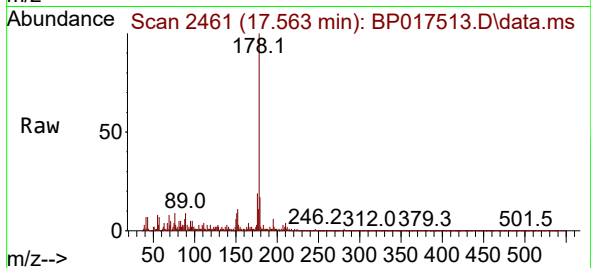
Tgt Ion:178 Resp: 206123

Ion Ratio Lower Upper

178 100

179 17.4 12.5 18.7

176 18.5 15.1 22.7



#77

Carbazole

Concen: 1.130 ng/ul

RT: 17.851 min Scan# 2510

Delta R.T. 0.000 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

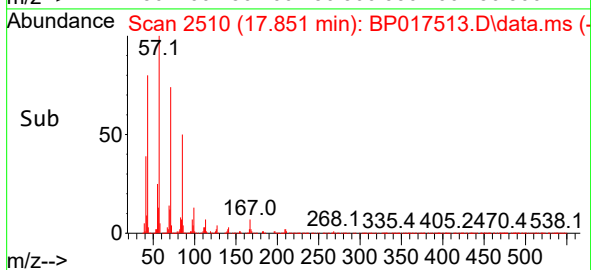
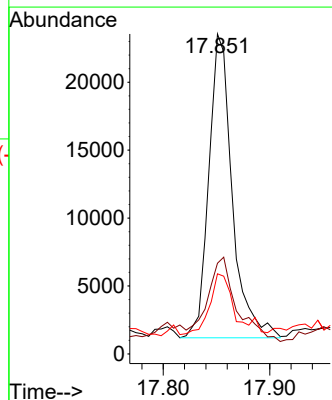
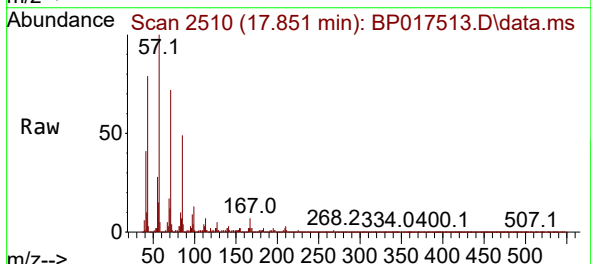
Tgt Ion:167 Resp: 34120

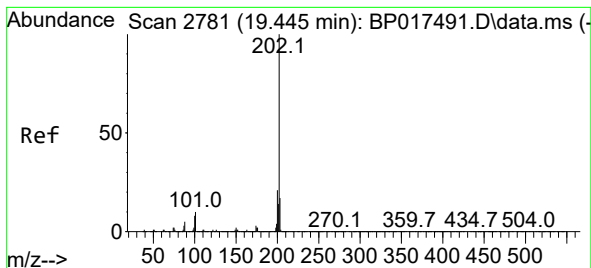
Ion Ratio Lower Upper

167 100

166 28.3 16.5 24.7#

139 25.1 10.5 15.7#





#80

Fluoranthene

Concen: 57.919 ng/ul

RT: 19.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

Instrument :

BNA_P

ClientSampleId :

EZYN4

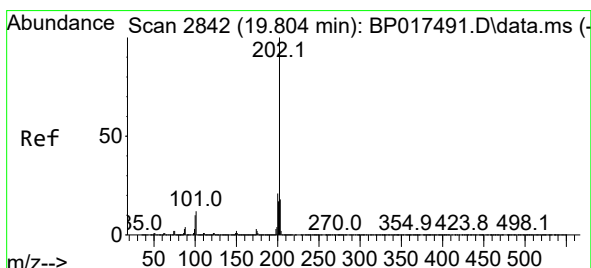
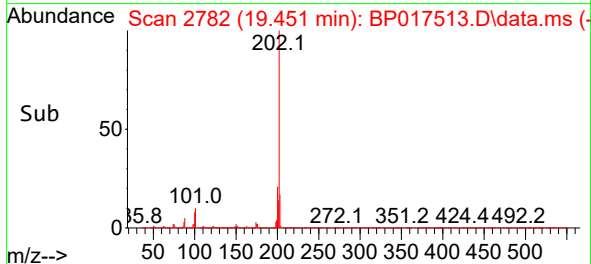
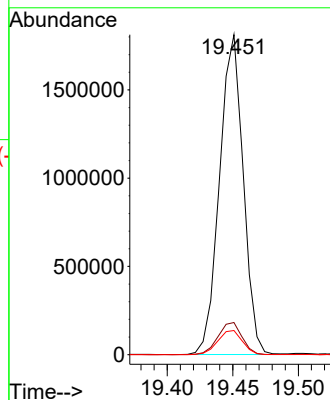
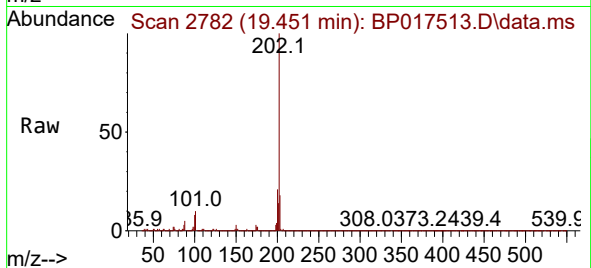
Tgt Ion:202 Resp: 2274236

Ion Ratio Lower Upper

202 100

101 10.0 8.4 12.6

100 7.6 6.6 10.0



#82

Pyrene

Concen: 47.368 ng/ul

RT: 19.810 min Scan# 2843

Delta R.T. 0.006 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

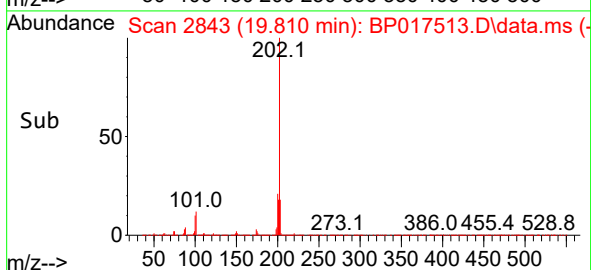
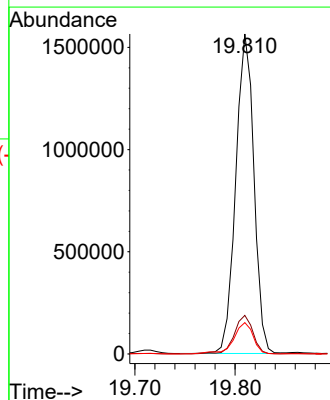
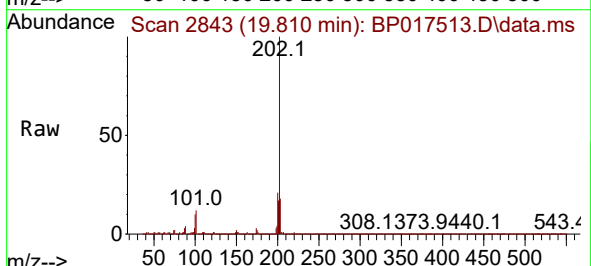
Tgt Ion:202 Resp: 1977204

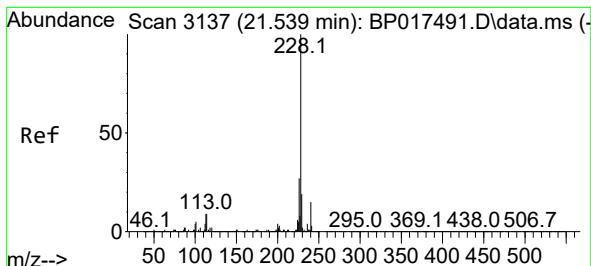
Ion Ratio Lower Upper

202 100

101 12.0 9.8 14.8

100 9.8 8.1 12.1





#85

Benzo(a)anthracene

Concen: 32.068 ng/ul

RT: 21.545 min Scan# 3138

Delta R.T. 0.000 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

Instrument :

BNA_P

ClientSampleId :

EZYN4

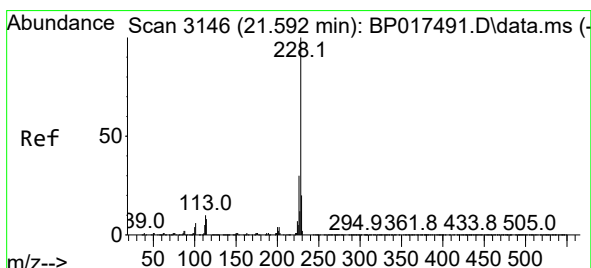
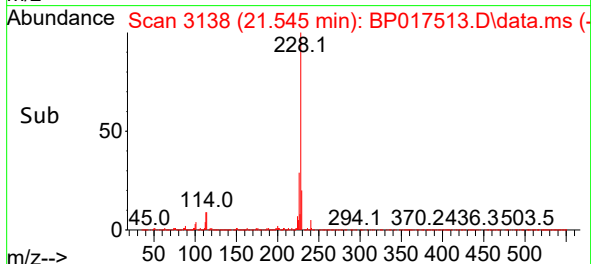
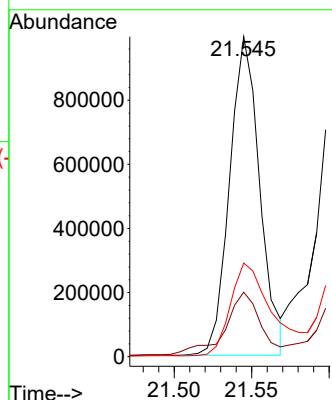
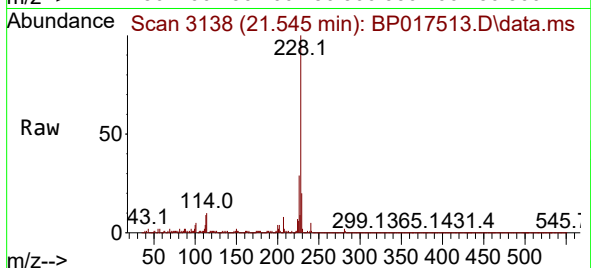
Tgt Ion:228 Resp: 1347515

Ion Ratio Lower Upper

228 100

229 20.2 15.8 23.6

226 29.3 21.8 32.8



#87

Chrysene

Concen: 30.816 ng/ul

RT: 21.604 min Scan# 3148

Delta R.T. 0.006 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

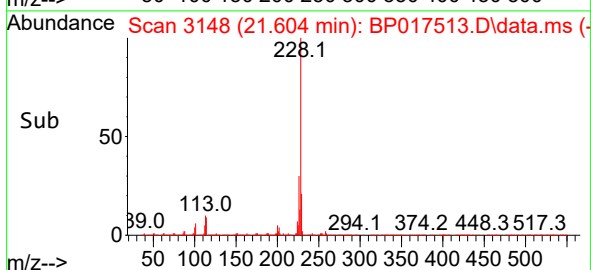
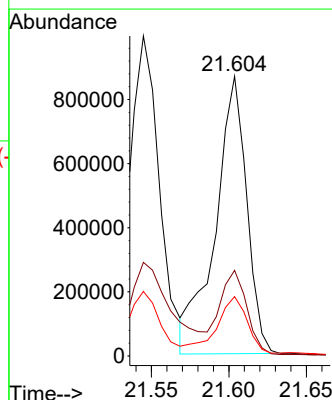
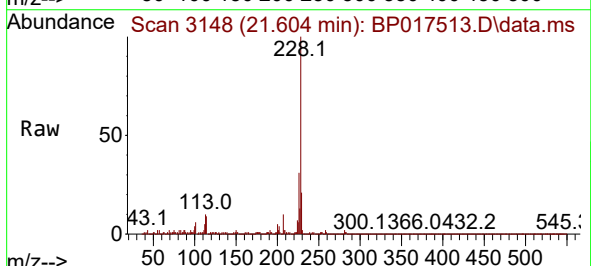
Tgt Ion:228 Resp: 1218640

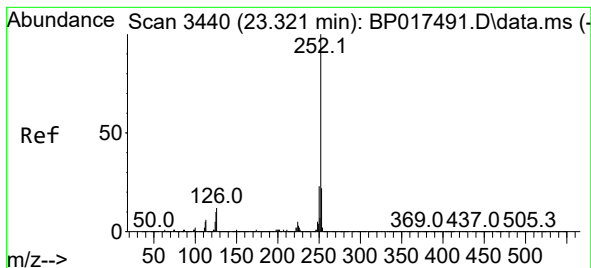
Ion Ratio Lower Upper

228 100

226 30.6 24.1 36.1

229 21.3 15.0 22.6





#90

Benzo(b)fluoranthene

Concen: 40.587 ng/ul

RT: 23.345 min Scan# 3440

Delta R.T. 0.006 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

Instrument :

BNA_P

ClientSampleId :

EZYN4

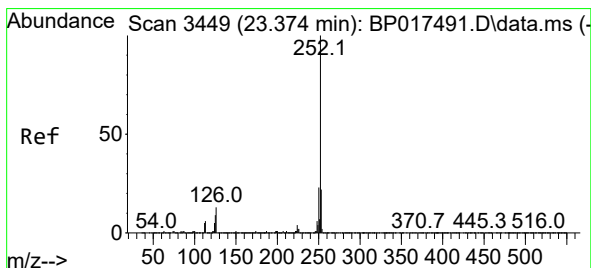
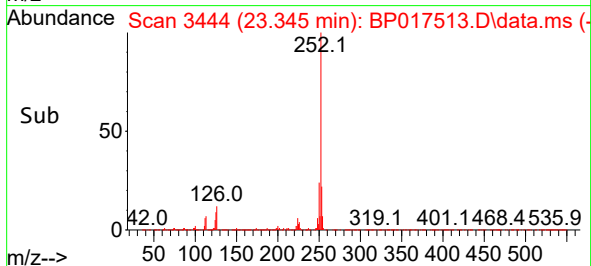
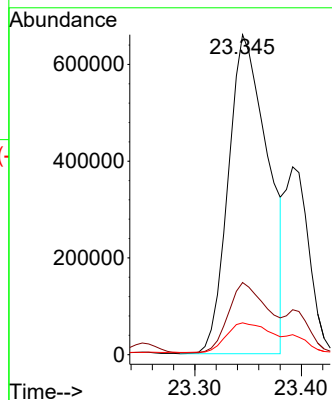
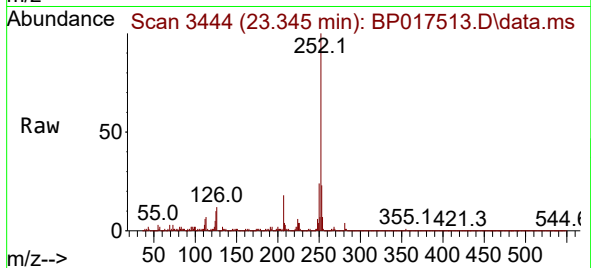
Tgt Ion:252 Resp: 1706053

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 10.0 7.8 11.8



#91

Benzo(k)fluoranthene

Concen: 14.032 ng/ul

RT: 23.392 min Scan# 3452

Delta R.T. 0.000 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

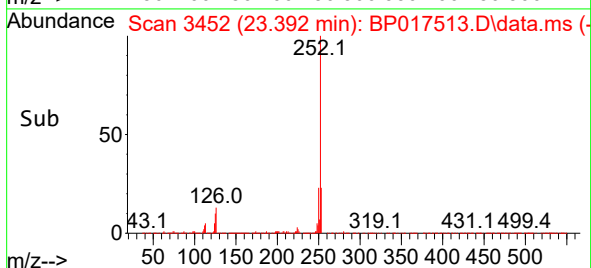
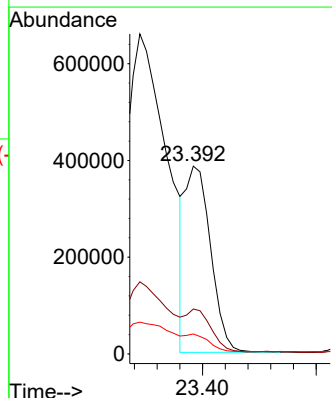
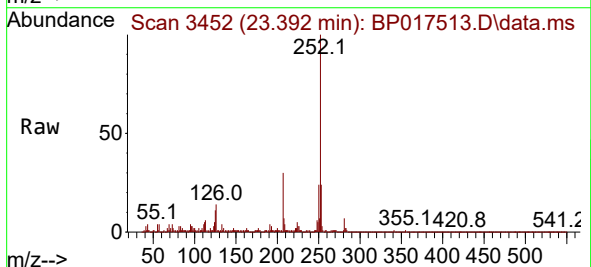
Tgt Ion:252 Resp: 595055

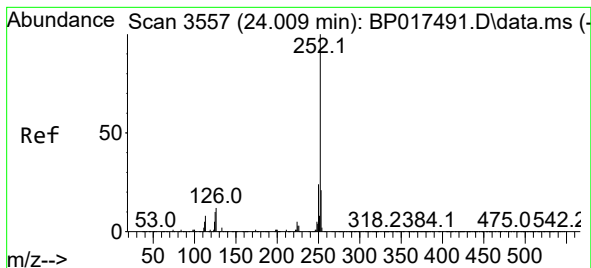
Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 10.6 7.8 11.6





#93

Benzo(a)pyrene

Concen: 27.652 ng/ul

RT: 24.033 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

Instrument :

BNA_P

ClientSampleId :

EZYN4

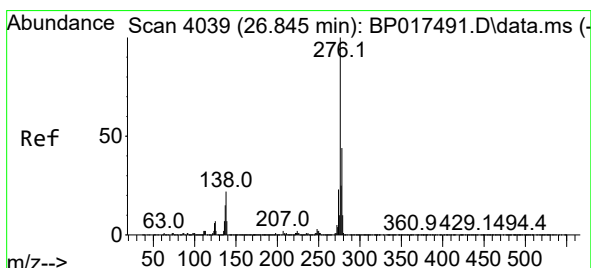
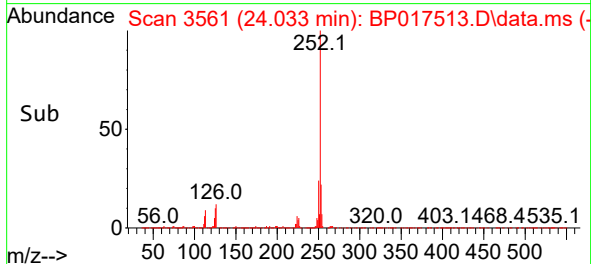
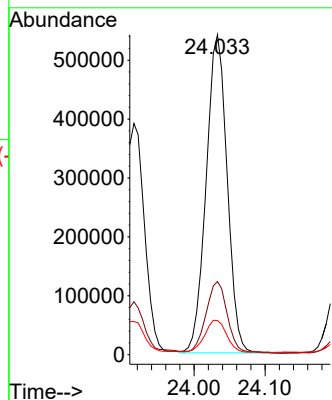
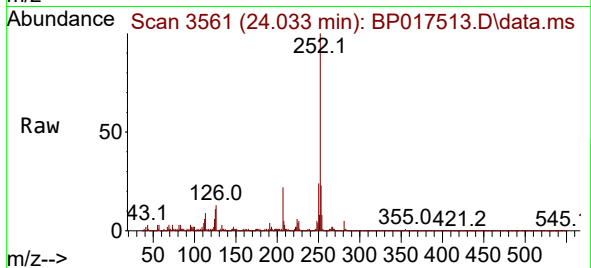
Tgt Ion:252 Resp: 1112101

Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 10.7 8.9 13.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 16.599 ng/ul

RT: 26.892 min Scan# 4047

Delta R.T. 0.000 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

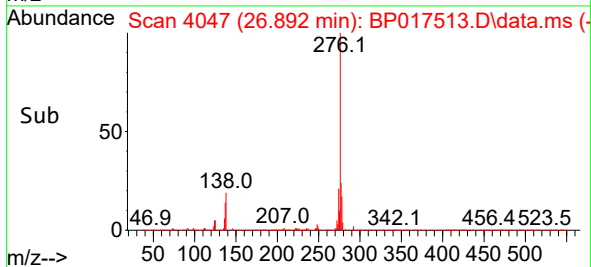
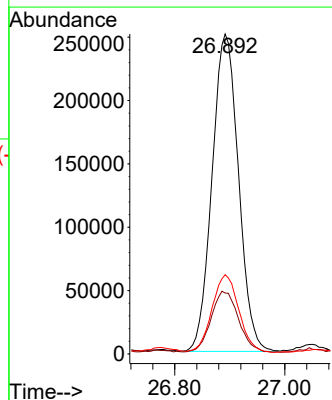
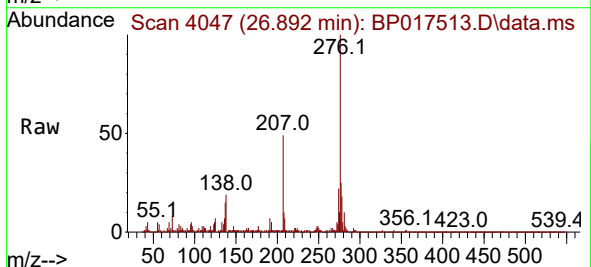
Tgt Ion:276 Resp: 836773

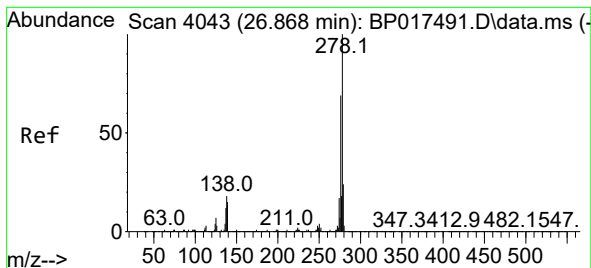
Ion Ratio Lower Upper

276 100

138 19.0 17.9 26.9

277 24.7 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 5.645 ng/ul

RT: 26.921 min Scan# 4043

Delta R.T. 0.006 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

Instrument :

BNA_P

ClientSampleId :

EZYN4

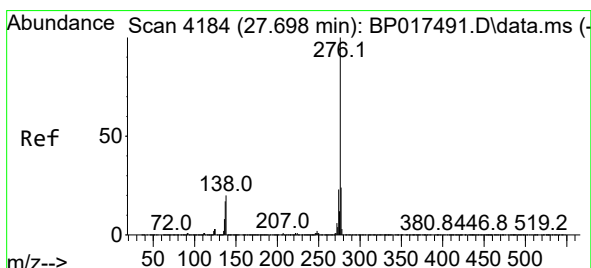
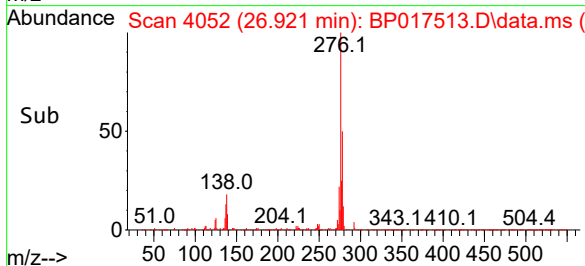
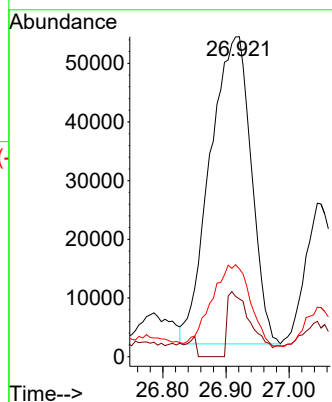
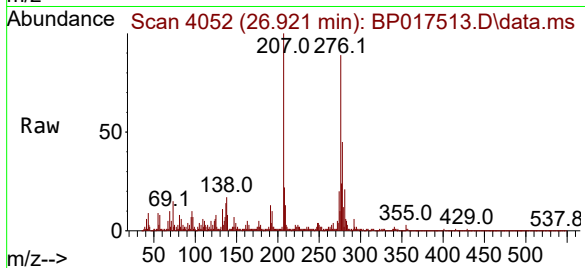
Tgt Ion:278 Resp: 237024

Ion Ratio Lower Upper

278 100

139 18.0 13.4 20.0

279 27.5 19.5 29.3



#96

Benzo(g,h,i)perylene

Concen: 15.889 ng/ul

RT: 27.750 min Scan# 4193

Delta R.T. 0.006 min

Lab File: BP017513.D

Acq: 03 Oct 2023 12:41

Tgt Ion:276 Resp: 645927

Ion Ratio Lower Upper

276 100

138 20.4 17.3 25.9

277 23.8 18.8 28.2

