

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092823\
 Data File : BP017426.D
 Acq On : 28 Sep 2023 22:36
 Operator : MA/JU
 Sample : 04417-35
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EZYN4

Quant Time: Sep 28 23:27:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 23:22:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.964	152	133148	20.000	ng/ul	0.00
20) Naphthalene-d8	10.805	136	553439	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.657	164	352016	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.445	188	789070	20.000	ng/ul	0.00
79) Chrysene-d12	21.575	240	716131	20.000	ng/ul	0.00
88) Perylene-d12	24.163	264	855823	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	8406	2.593	ng/uL	0.00
4) Pyridine-d5	3.752	84	19241	2.123	ng/ul	0.01
7) Phenol-d5	7.122	99	27531	2.518	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.299	67	96535	14.628	ng/ul	0.00
11) 2-Chlorophenol-d4	7.481	132	9479	1.093	ng/ul	0.00
15) 4-Methylphenol-d8	8.687	113	11310	1.330	ng/ul	0.00
21) Nitrobenzene-d5	9.169	128	65234	16.304	ng/ul	0.00
24) 2-Nitrophenol-d4	9.887	143	1793	0.413	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	4943	0.602	ng/ul	0.00
31) 4-Chloroaniline-d4	10.969	131	86029	7.236	ng/ul	0.00
46) Dimethylphthalate-d6	14.069	166	399438	15.840	ng/ul	0.00
49) Acenaphthylene-d8	14.357	160	484520	16.706	ng/ul	0.00
54) 4-Nitrophenol-d4	14.881	143	333	0.076	ng/ul	-0.02
60) Fluorene-d10	15.657	176	368583	16.978	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.834	200	372	0.084	ng/ul	0.02
73) Anthracene-d10	17.545	188	551509	15.759	ng/ul	0.00
81) Pyrene-d10	19.798	212	695526	17.960	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.992	264	657720	15.962	ng/ul	-0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.122	77	8856	1.587	ng/ul	92
8) Phenol	7.152	94	14973	1.361	ng/ul	97
16) Acetophenone	8.822	105	75780	5.768	ng/ul	96
19) Hexachloroethane	9.058	117	4386	1.200	ng/ul#	7
30) Naphthalene	10.852	128	350338	12.157	ng/ul	100
36) 2-Methylnaphthalene	12.469	142	404426	21.503	ng/ul	97
37) 1-Methylnaphthalene	12.687	142	200278	10.417	ng/ul	99
43) 1,1'-Biphenyl	13.481	154	58033	2.173	ng/ul	98
50) Acenaphthylene	14.387	152	156581	4.617	ng/ul#	95
56) Dibenzofuran	15.063	168	125623	4.096	ng/ul	99
67) N-Nitrosodiphenylamine	15.904	169	70895	3.266	ng/ul#	33
72) Phenanthrene	17.487	178	734955	17.783	ng/ul	99
74) Anthracene	17.581	178	270092	6.448	ng/ul	98
77) Carbazole	17.869	167	43928	1.179	ng/ul#	79
80) Fluoranthene	19.469	202	2730978	60.467	ng/ul	99
82) Pyrene	19.828	202	2357926	49.111	ng/ul	100
85) Benzo(a)anthracene	21.557	228	1562436	32.327	ng/ul	98
87) Chrysene	21.616	228	1444661	31.760	ng/ul	96
90) Benzo(b)fluoranthene	23.363	252	2098220	41.584	ng/ul	97
91) Benzo(k)fluoranthene	23.363	252	2098220	41.217	ng/ul	98
93) Benzo(a)pyrene	24.051	252	1341150	27.780	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	26.910	276	989802	16.357	ng/ul	97
95) Dibenzo(a,h)anthracene	26.915	278	274774	5.452	ng/ul#	88
96) Benzo(g,h,i)perylene	27.768	276	769185	15.762	ng/ul	98

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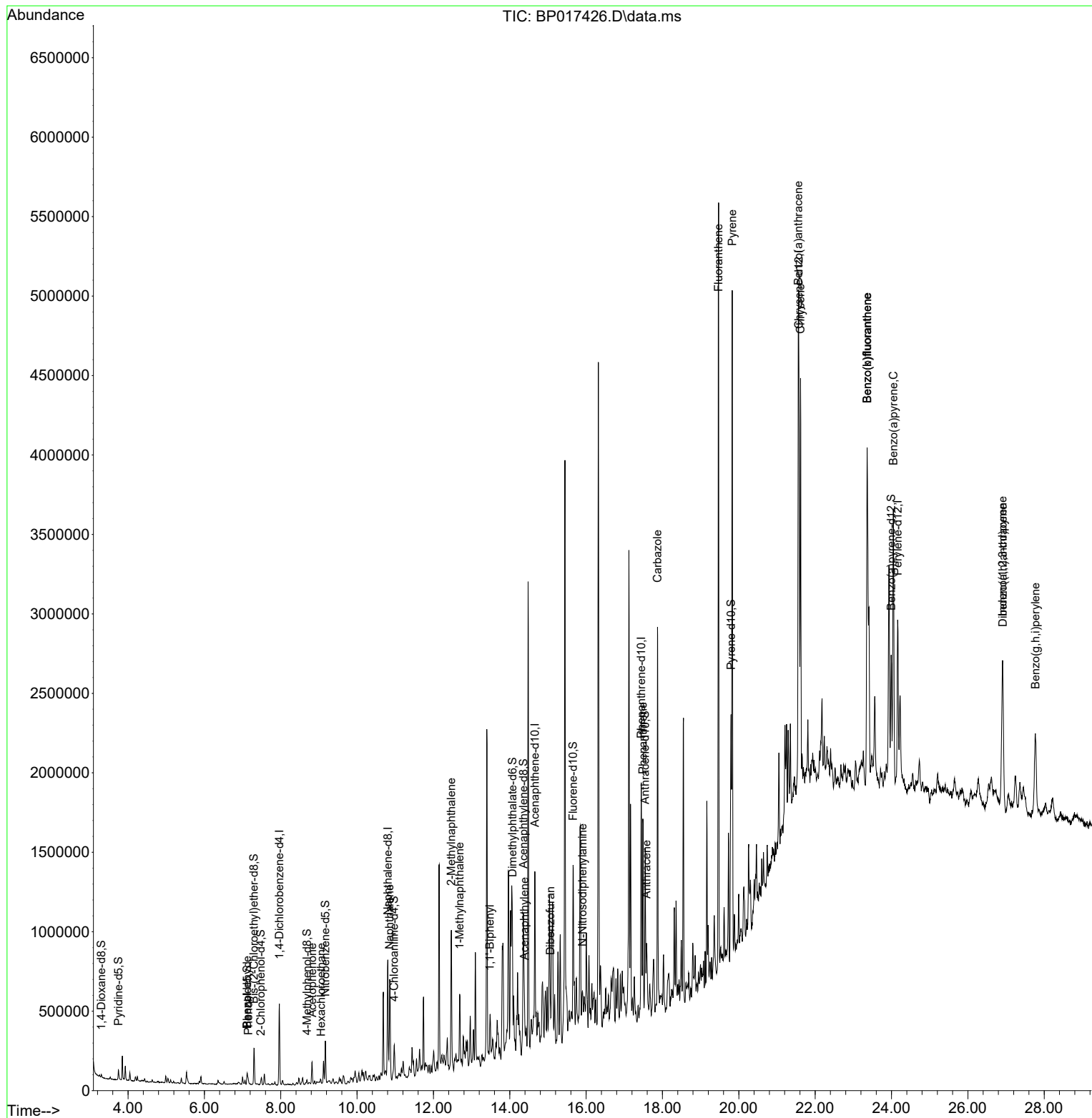
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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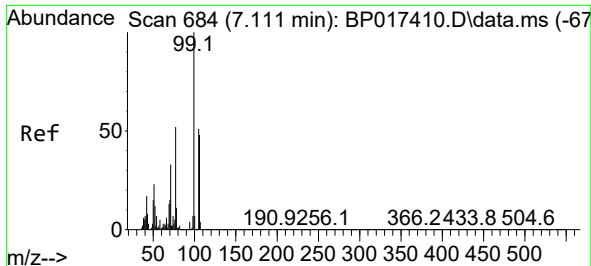
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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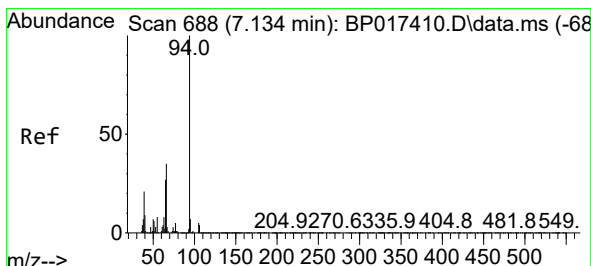
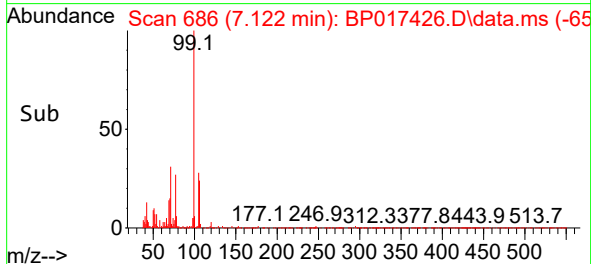
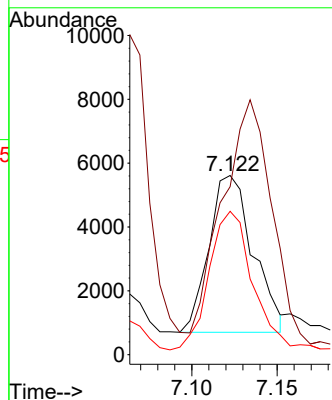
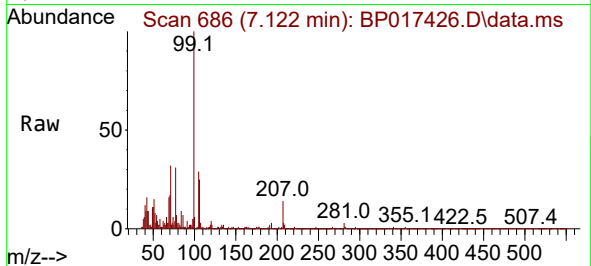




#6
Benzaldehyde
Concen: 1.587 ng/ul
RT: 7.122 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP017426.D
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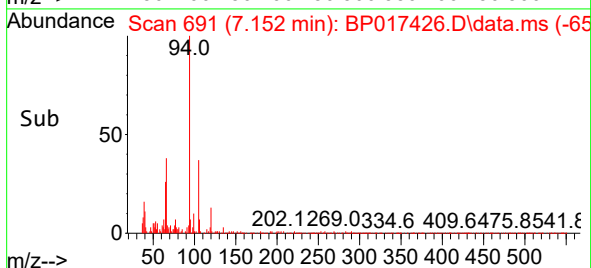
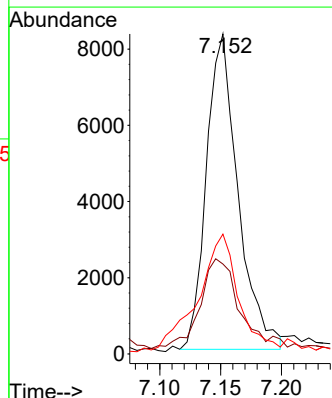
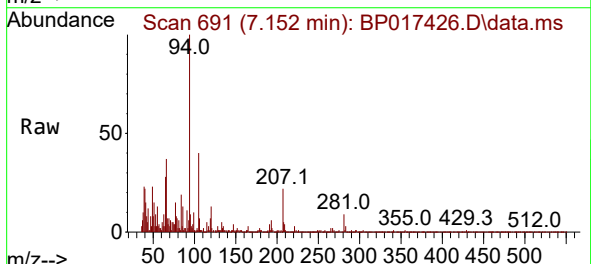
Instrument :
BNA_P
ClientSampleId :
EZYN4

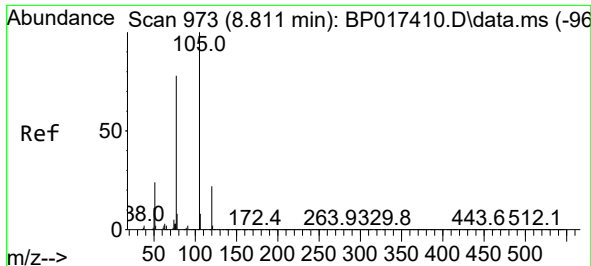
Tgt Ion: 77 Resp: 8856
Ion Ratio Lower Upper
77 100
105 93.8 78.0 117.0
106 80.0 73.2 109.8



#8
Phenol
Concen: 1.361 ng/ul
RT: 7.152 min Scan# 691
Delta R.T. 0.006 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

Tgt Ion: 94 Resp: 14973
Ion Ratio Lower Upper
94 100
65 28.1 21.4 32.2
66 37.5 28.2 42.2

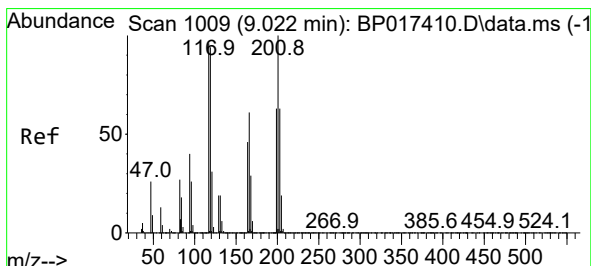
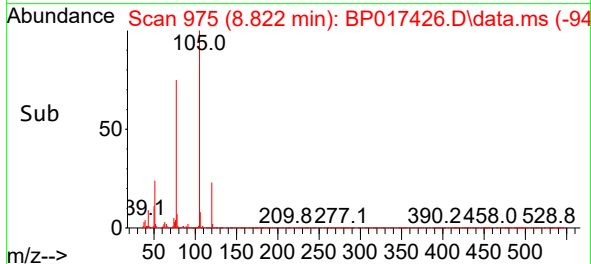
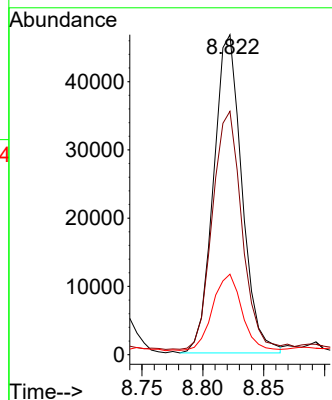
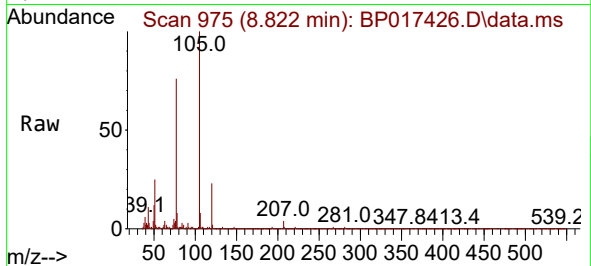




#16
Acetophenone
Concen: 5.768 ng/ul
RT: 8.822 min Scan# 91
Delta R.T. -0.000 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

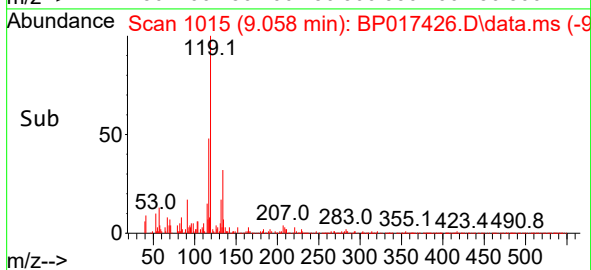
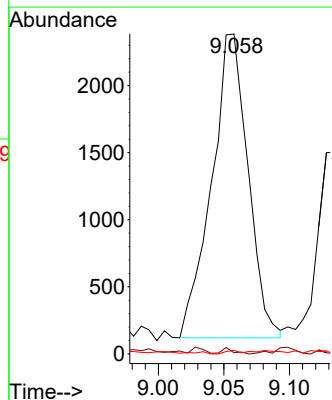
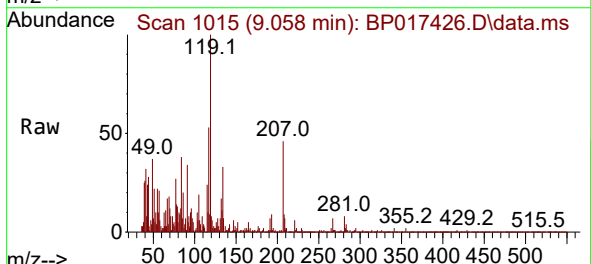
Instrument :
BNA_P
ClientSampleId :
EZY4

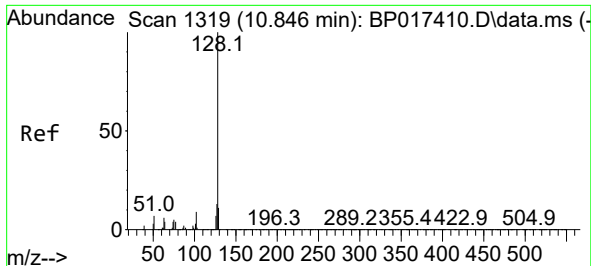
Tgt Ion:105 Resp: 75780
Ion Ratio Lower Upper
105 100
77 76.1 63.6 95.4
51 25.2 19.2 28.8



#19
Hexachloroethane
Concen: 1.200 ng/ul
RT: 9.058 min Scan# 1015
Delta R.T. 0.023 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

Tgt Ion:117 Resp: 4386
Ion Ratio Lower Upper
117 100
201 0.4 81.4 122.0#
199 1.1 52.4 78.6#

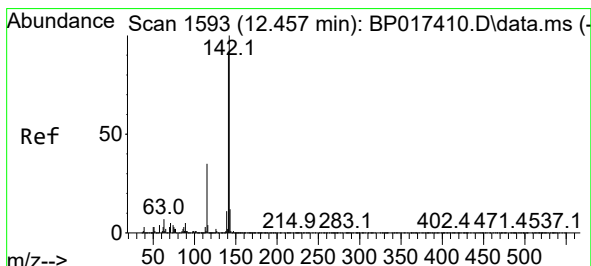
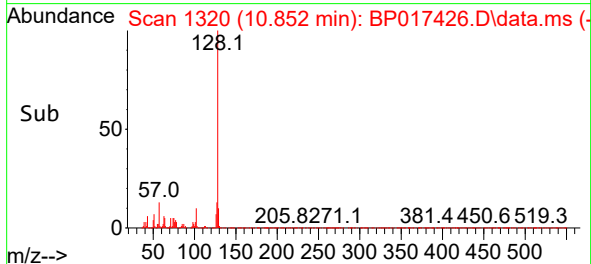
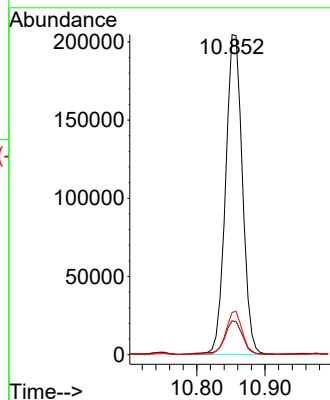
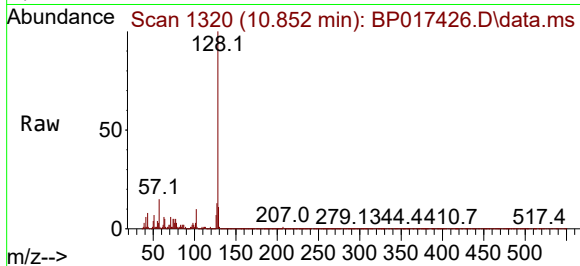




#30
Naphthalene
Concen: 12.157 ng/ul
RT: 10.852 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP017426.D
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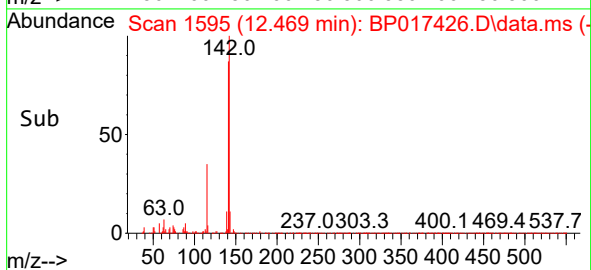
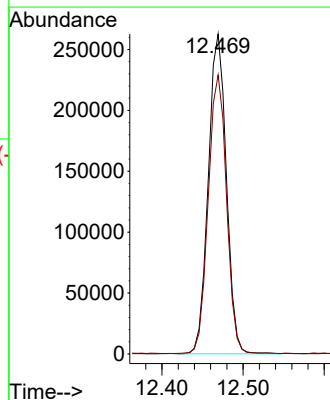
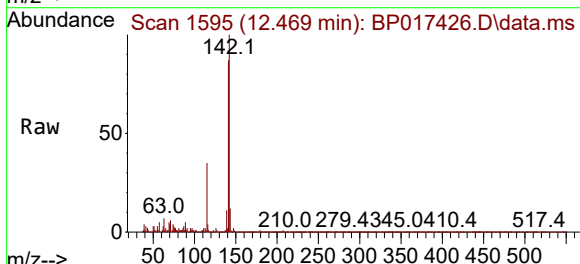
Instrument :
BNA_P
ClientSampleId :
EZYN4

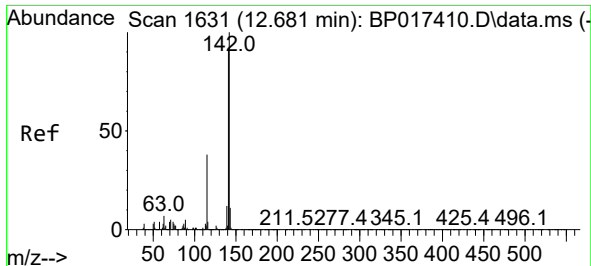
Tgt Ion:128 Resp: 350338
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 13.2 10.6 15.8



#36
2-Methylnaphthalene
Concen: 21.503 ng/ul
RT: 12.469 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

Tgt Ion:142 Resp: 404426
Ion Ratio Lower Upper
142 100
141 87.2 71.9 107.9

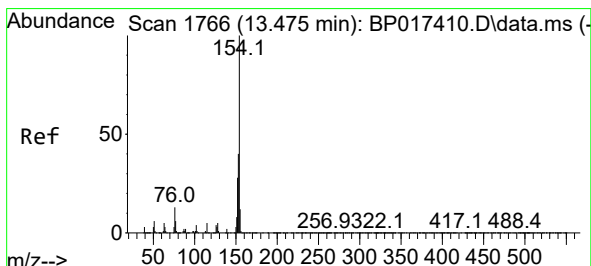
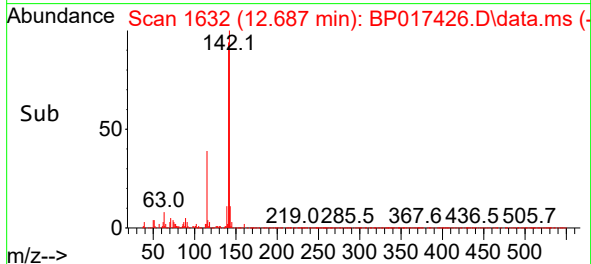
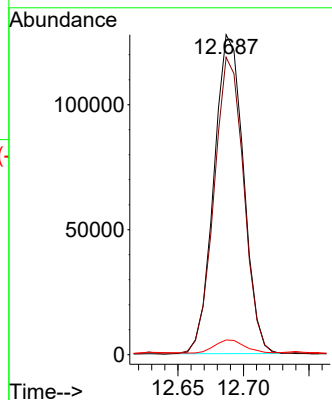
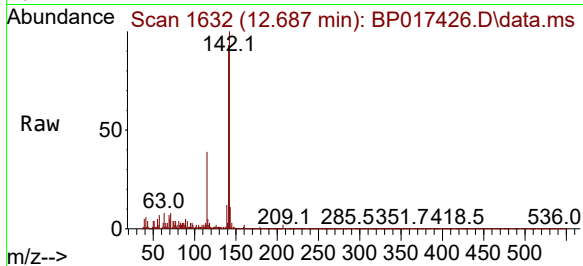




#37
1-Methylnaphthalene
Concen: 10.417 ng/ul
RT: 12.687 min Scan# 1631
Delta R.T. -0.006 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

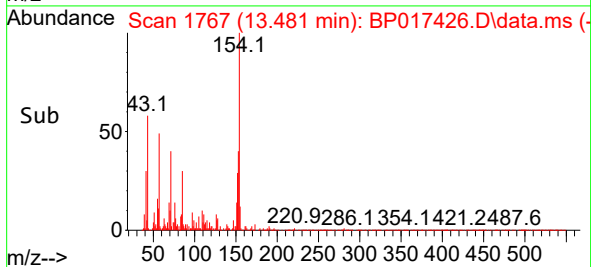
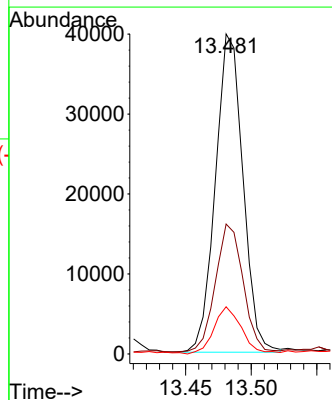
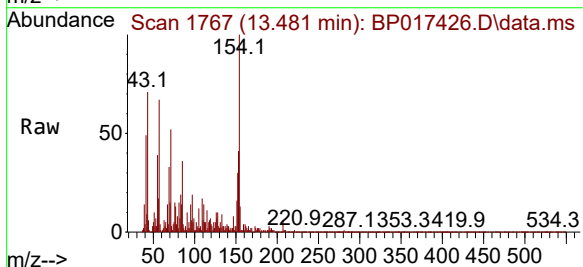
Instrument :
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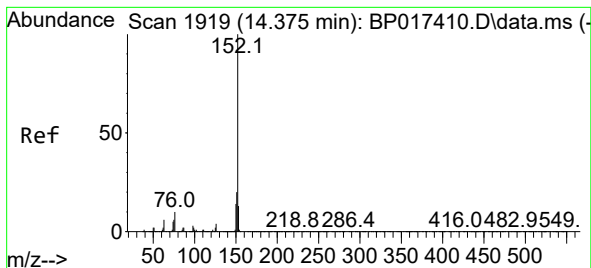
Tgt Ion:142 Resp: 200278
Ion Ratio Lower Upper
142 100
141 92.9 73.4 110.2
116 4.6 3.1 4.7



#43
1,1'-Biphenyl
Concen: 2.173 ng/ul
RT: 13.481 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

Tgt Ion:154 Resp: 58033
Ion Ratio Lower Upper
154 100
153 40.6 31.5 47.3
76 14.7 11.0 16.6





#50

Acenaphthylene

Concen: 4.617 ng/ul

RT: 14.387 min Scan# 1919

Delta R.T. -0.006 min

Lab File: BP017426.D

Acq: 28 Sep 2023 22:36

Instrument :

BNA_P

ClientSampleId :

EZYN4

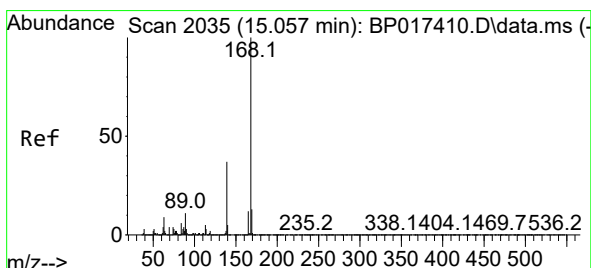
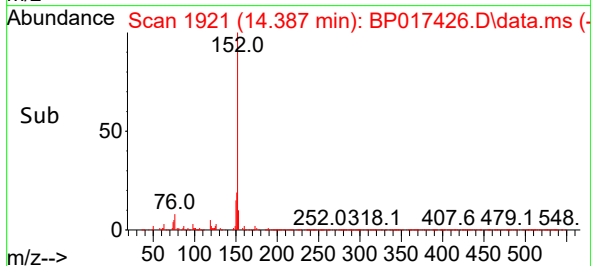
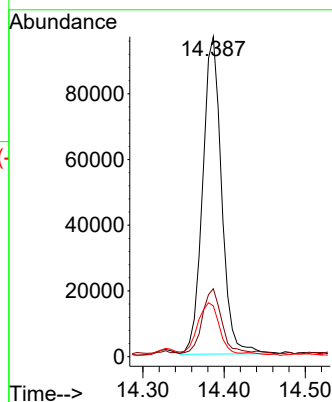
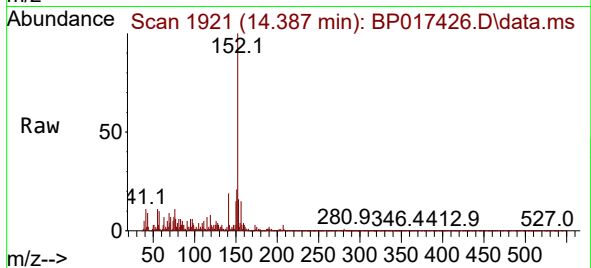
Tgt Ion:152 Resp: 156581

Ion Ratio Lower Upper

152 100

151 21.3 16.0 24.0

153 15.9 10.4 15.6#



#56

Dibenzofuran

Concen: 4.096 ng/ul

RT: 15.063 min Scan# 2036

Delta R.T. -0.006 min

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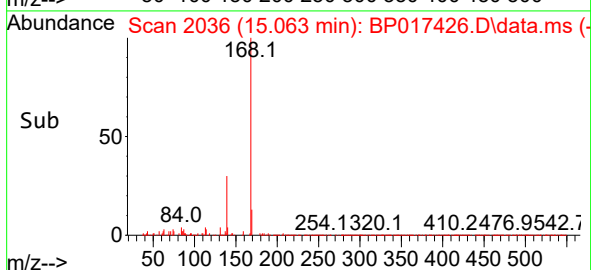
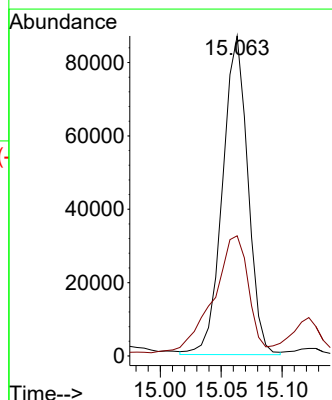
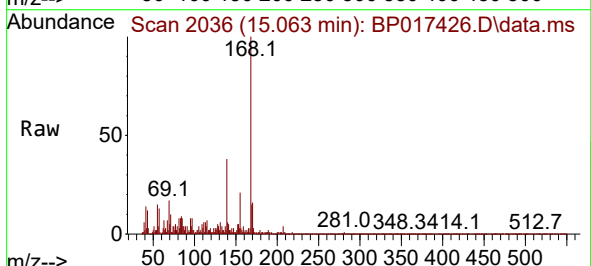
Acq: 28 Sep 2023 22:36

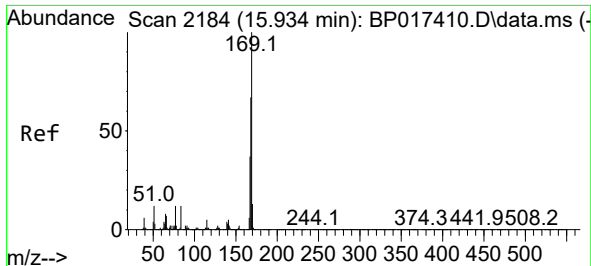
Tgt Ion:168 Resp: 125623

Ion Ratio Lower Upper

168 100

139 37.6 30.6 45.8

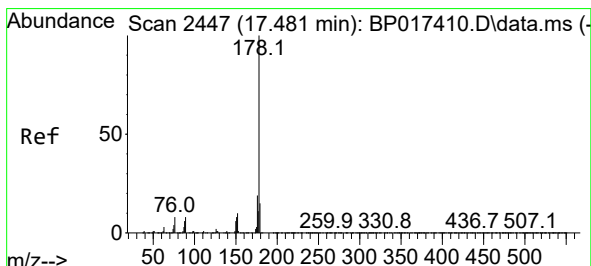
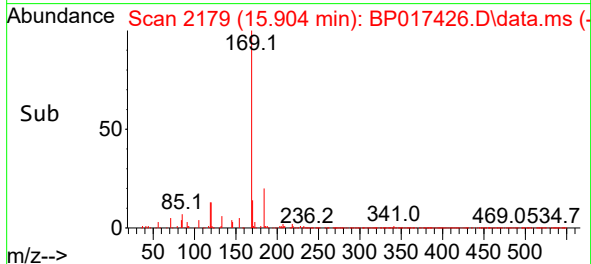
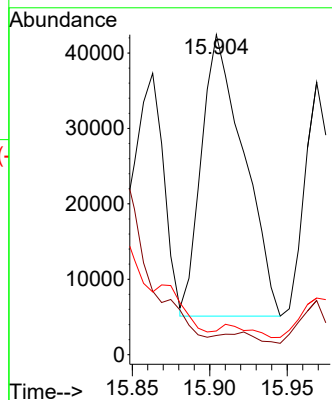
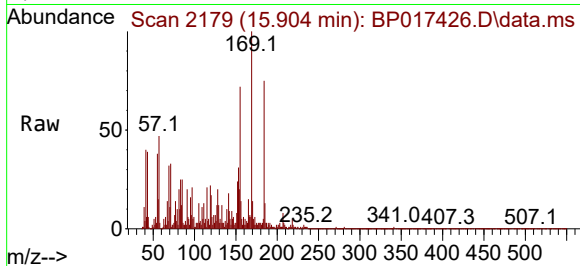




#67
N-Nitrosodiphenylamine
Concen: 3.266 ng/ul
RT: 15.904 min Scan# 2184
Delta R.T. -0.035 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

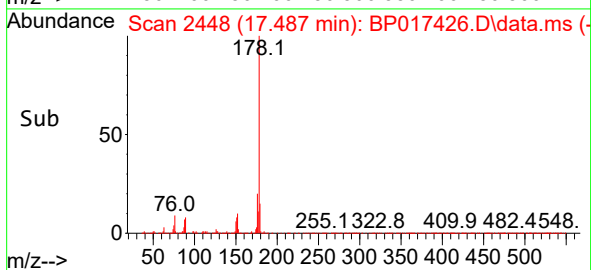
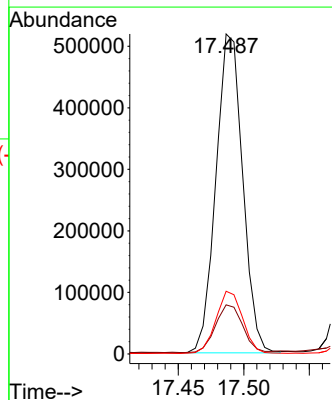
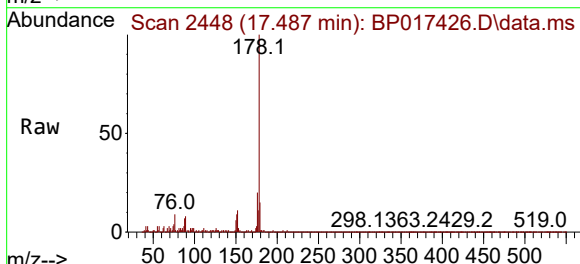
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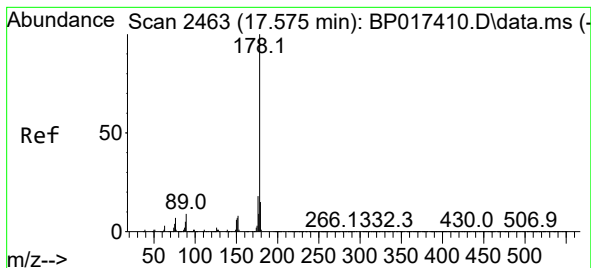
Tgt Ion:169 Resp: 70895
Ion Ratio Lower Upper
169 100
168 6.0 53.5 80.3#
167 7.4 30.0 45.0#



#72
Phenanthrene
Concen: 17.783 ng/ul
RT: 17.487 min Scan# 2448
Delta R.T. -0.006 min
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Tgt Ion:178 Resp: 734955
Ion Ratio Lower Upper
178 100
179 15.4 12.7 19.1
176 19.6 15.8 23.6





#74

Anthracene

Concen: 6.448 ng/ul

RT: 17.581 min Scan# 2463

Delta R.T. -0.006 min

Lab File: BP017426.D

Acq: 28 Sep 2023 22:36

Instrument :

BNA_P

ClientSampleId :

EZYN4

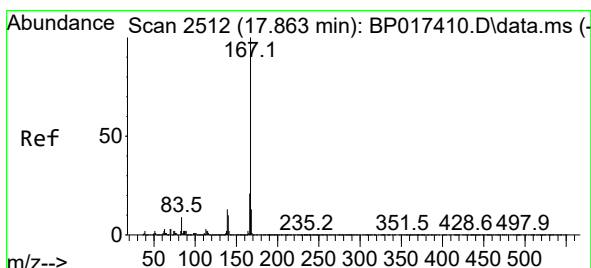
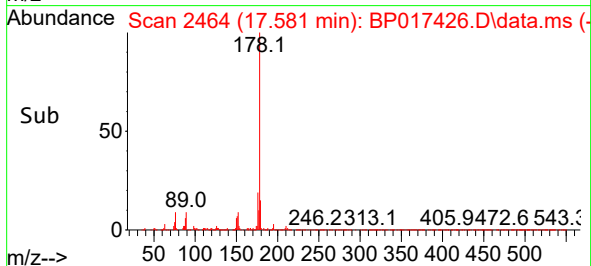
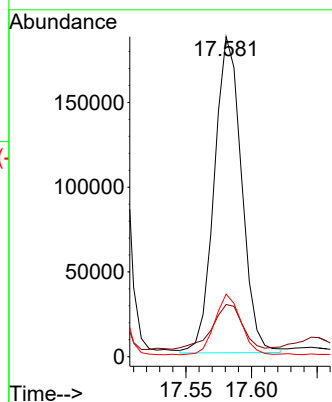
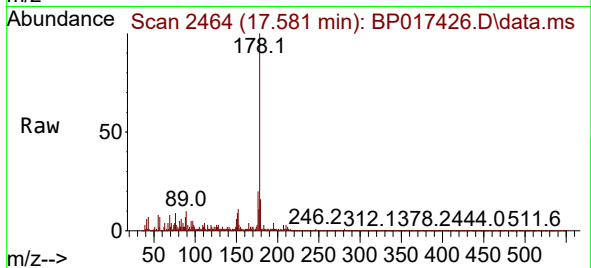
Tgt Ion:178 Resp: 270092

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

176 19.6 15.1 22.7



#77

Carbazole

Concen: 1.179 ng/ul

RT: 17.869 min Scan# 2513

Delta R.T. -0.006 min

Lab File: BP017426.D

Acq: 28 Sep 2023 22:36

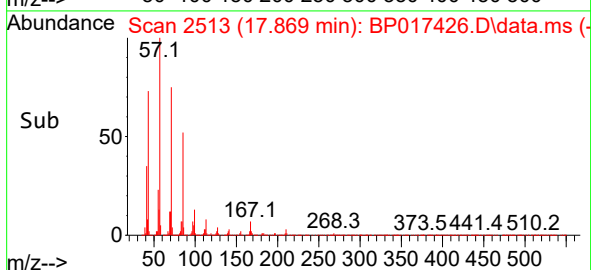
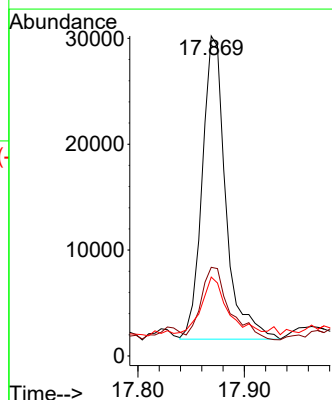
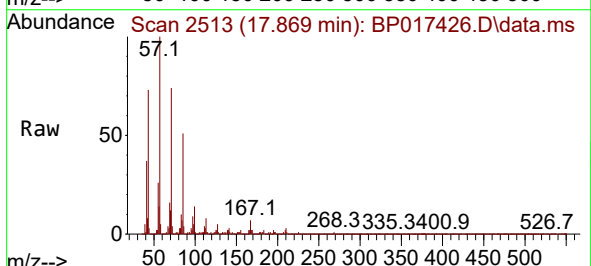
Tgt Ion:167 Resp: 43928

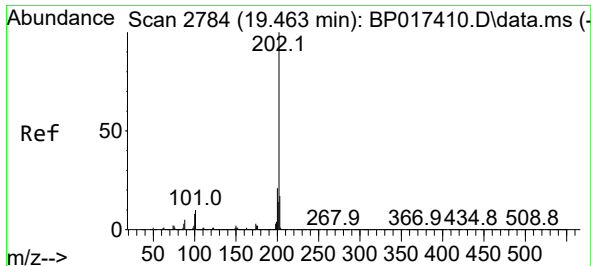
Ion Ratio Lower Upper

167 100

166 27.7 16.5 24.7#

139 24.6 10.5 15.7#

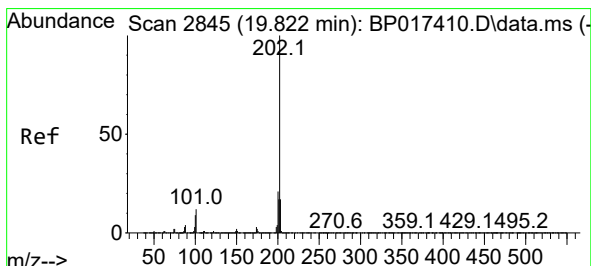
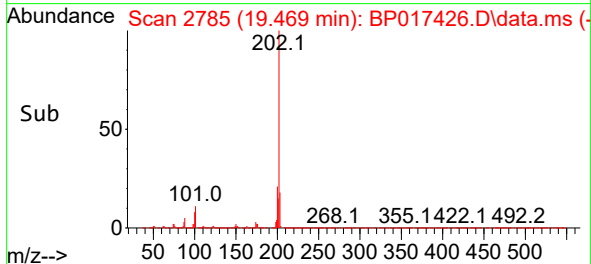
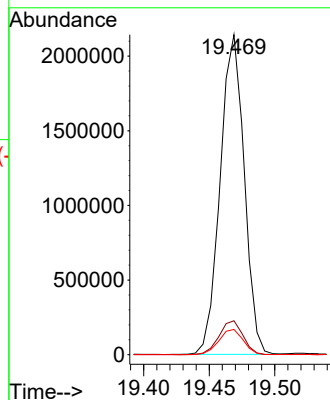
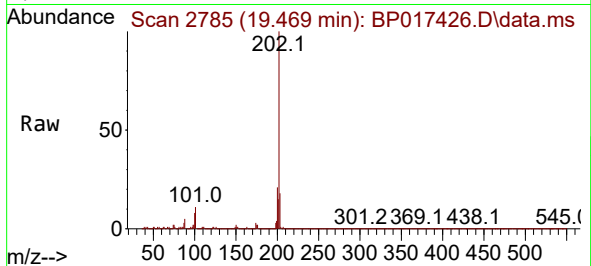




#80
Fluoranthene
Concen: 60.467 ng/ul
RT: 19.469 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

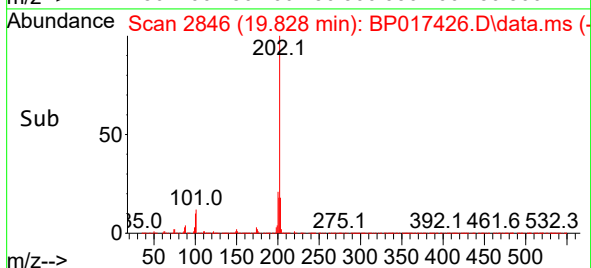
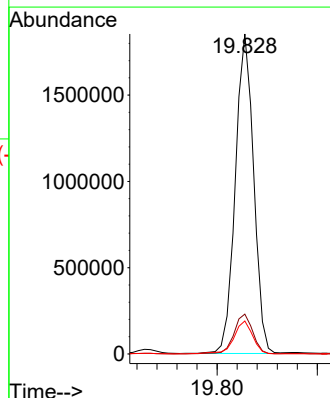
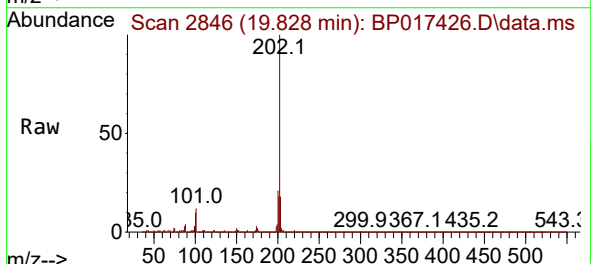
Instrument :
BNA_P
ClientSampleId :
EZYN4

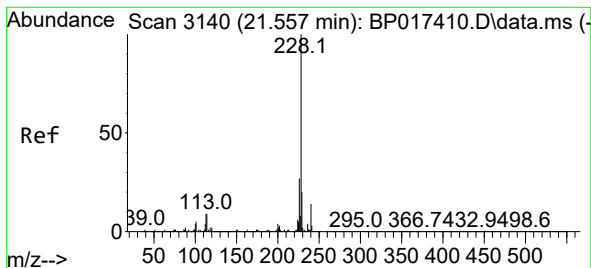
Tgt Ion:202 Resp: 2730978
Ion Ratio Lower Upper
202 100
101 10.6 8.4 12.6
100 7.9 6.6 10.0



#82
Pyrene
Concen: 49.111 ng/ul
RT: 19.828 min Scan# 2846
Delta R.T. -0.006 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

Tgt Ion:202 Resp: 2357926
Ion Ratio Lower Upper
202 100
101 12.5 9.8 14.8
100 10.3 8.1 12.1





#85

Benzo(a)anthracene

Concen: 32.327 ng/ul

RT: 21.557 min Scan# 3140

Delta R.T. -0.012 min

Lab File: BP017426.D

Acq: 28 Sep 2023 22:36

Instrument :

BNA_P

ClientSampleId :

EZYN4

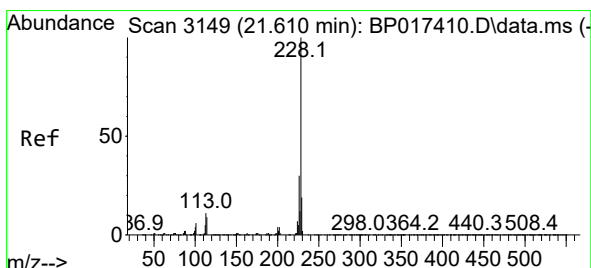
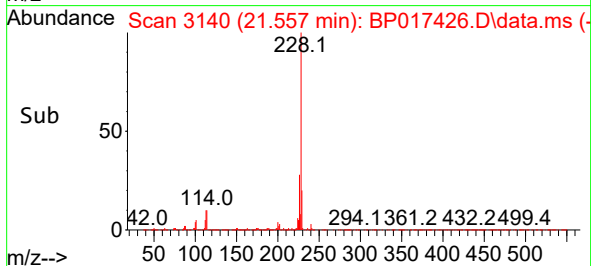
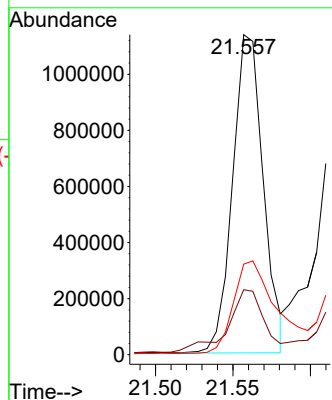
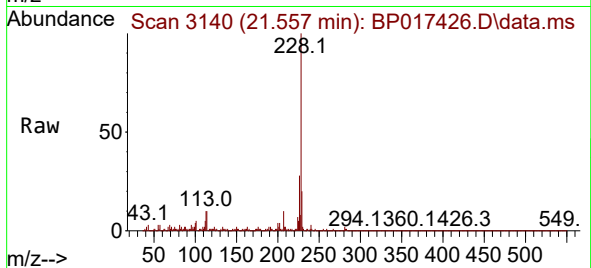
Tgt Ion:228 Resp: 1562436

Ion Ratio Lower Upper

228 100

229 20.3 15.8 23.6

226 28.3 21.8 32.8



#87

Chrysene

Concen: 31.760 ng/ul

RT: 21.616 min Scan# 3150

Delta R.T. -0.006 min

Lab File: BP017426.D

Acq: 28 Sep 2023 22:36

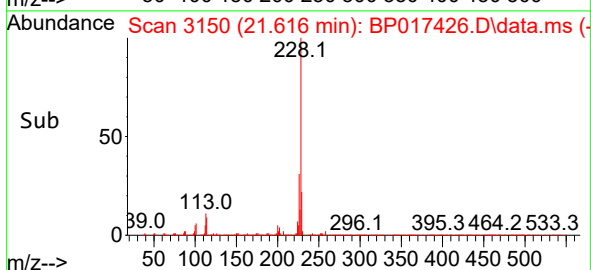
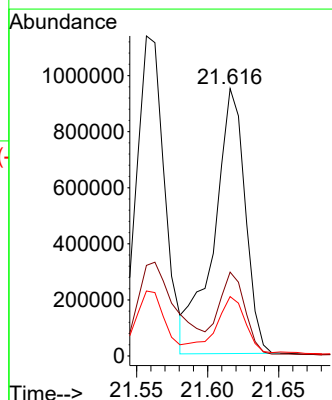
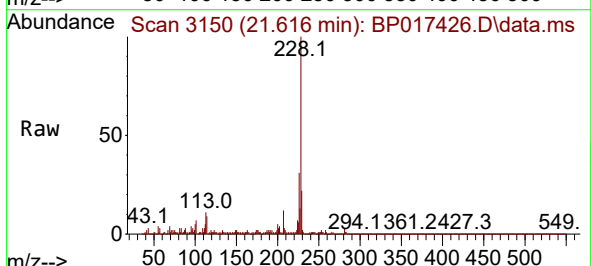
Tgt Ion:228 Resp: 1444661

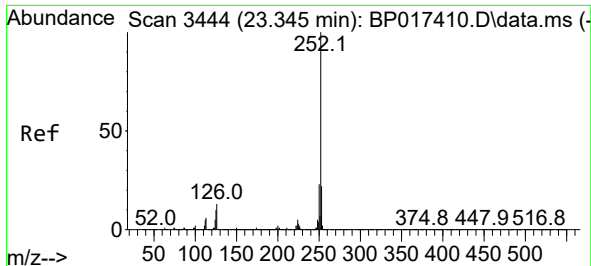
Ion Ratio Lower Upper

228 100

226 31.3 24.1 36.1

229 22.2 15.0 22.6

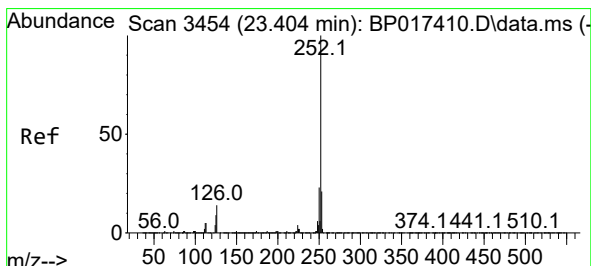
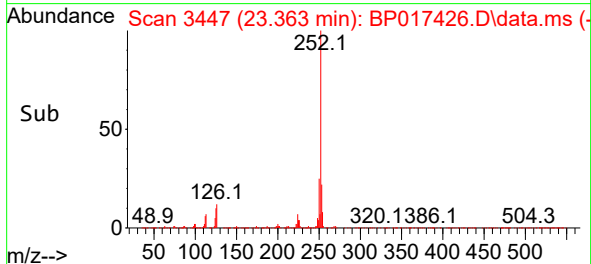
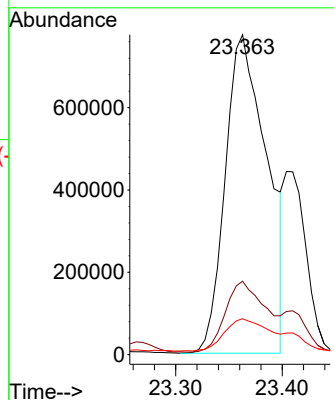
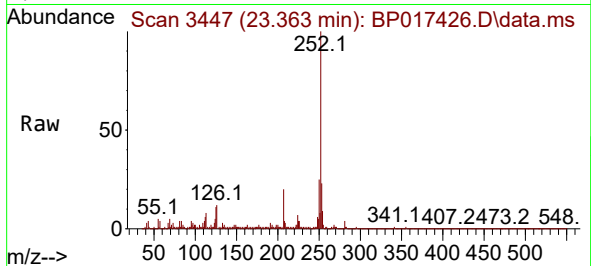




#90
Benzo(b)fluoranthene
Concen: 41.584 ng/ul
RT: 23.363 min Scan# 3447
Delta R.T. -0.000 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

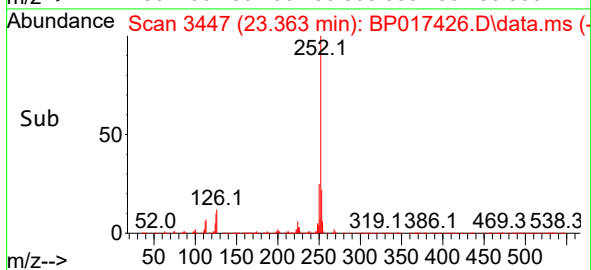
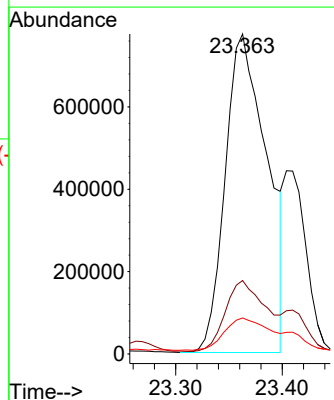
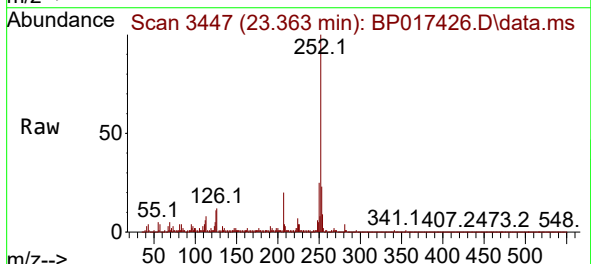
Instrument :
BNA_P
ClientSampleId :
EZYN4

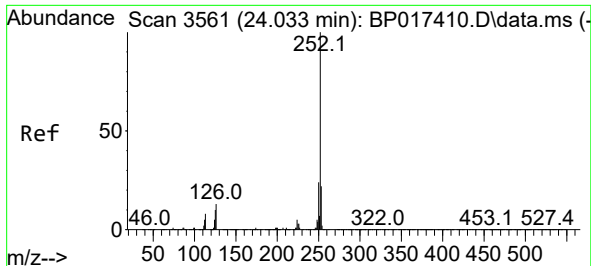
Tgt Ion:252 Resp: 2098220
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.2 7.8 11.8



#91
Benzo(k)fluoranthene
Concen: 41.217 ng/ul
RT: 23.363 min Scan# 3447
Delta R.T. -0.059 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

Tgt Ion:252 Resp: 2098220
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 11.2 7.8 11.6

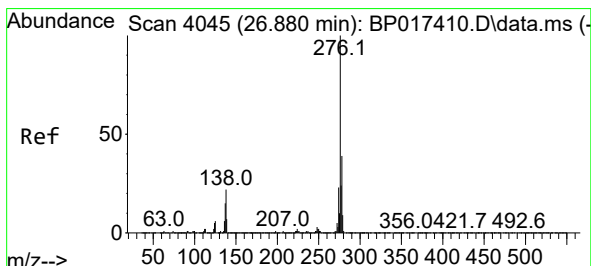
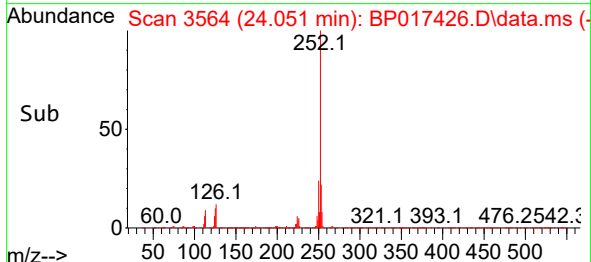
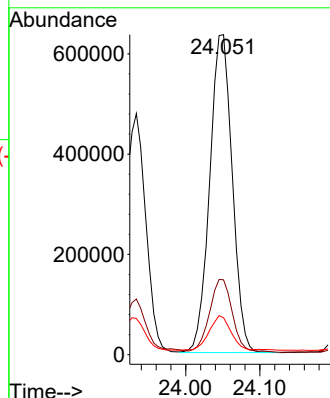
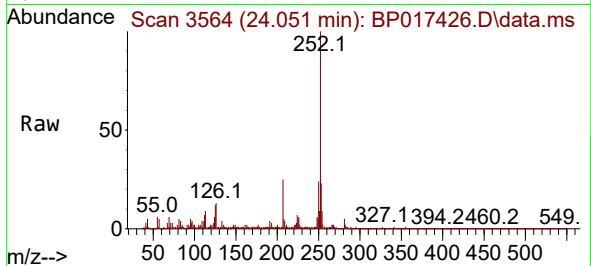




#93
Benzo(a)pyrene
Concen: 27.780 ng/ul
RT: 24.051 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

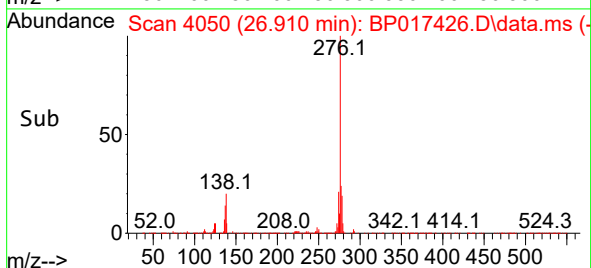
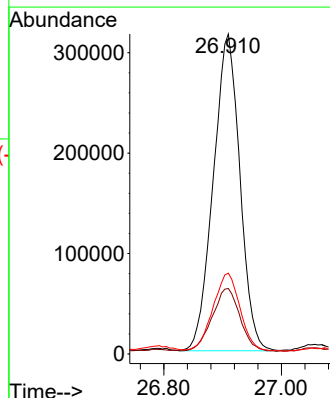
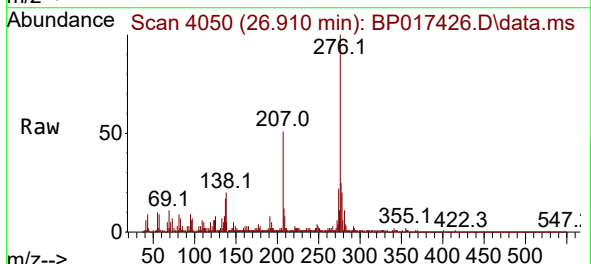
Instrument :
BNA_P
ClientSampleId :
EZYN4

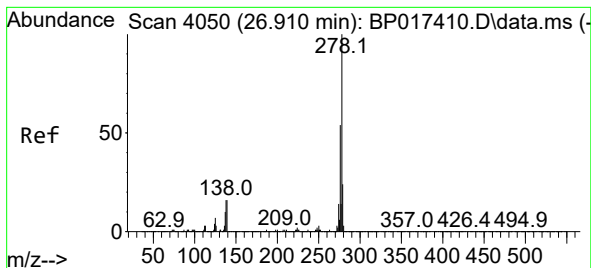
Tgt Ion:252 Resp: 1341150
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.5 8.9 13.3



#94
Indeno(1,2,3-cd)pyrene
Concen: 16.357 ng/ul
RT: 26.910 min Scan# 4050
Delta R.T. -0.018 min
Lab File: BP017426.D
Acq: 28 Sep 2023 22:36

Tgt Ion:276 Resp: 989802
Ion Ratio Lower Upper
276 100
138 20.5 17.9 26.9
277 25.3 19.5 29.3





#95

Dibenzo(a,h)anthracene

Concen: 5.452 ng/ul

RT: 26.915 min Scan# 4050

Delta R.T. -0.035 min

Lab File: BP017426.D

Acq: 28 Sep 2023 22:36

Instrument :

BNA_P

ClientSampleId :

EZYN4

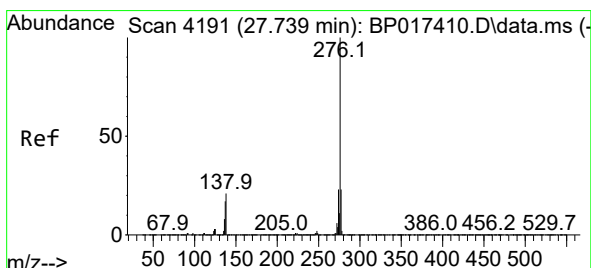
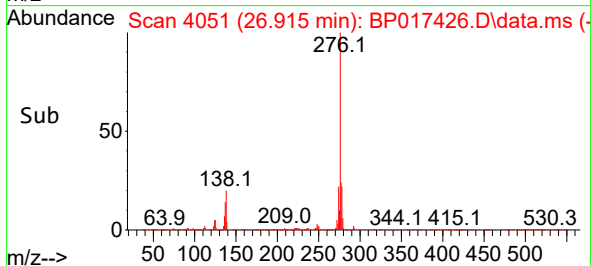
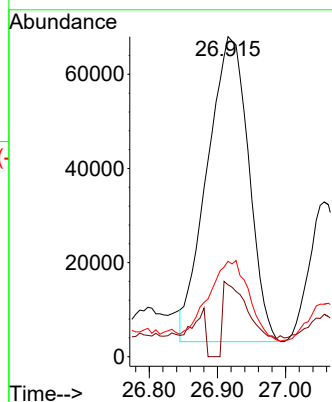
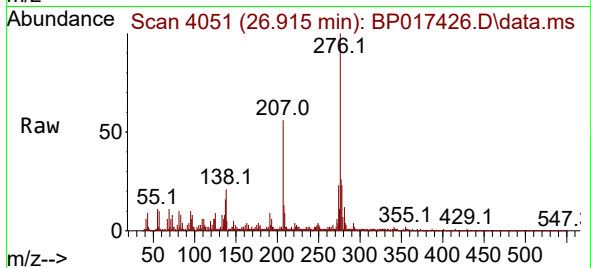
Tgt Ion:278 Resp: 274774

Ion Ratio Lower Upper

278 100

139 22.5 13.4 20.0#

279 29.8 19.5 29.3#



#96

Benzo(g,h,i)perylene

Concen: 15.762 ng/ul

RT: 27.768 min Scan# 4196

Delta R.T. -0.018 min

Lab File: BP017426.D

Acq: 28 Sep 2023 22:36

Tgt Ion:276 Resp: 769185

Ion Ratio Lower Upper

276 100

138 21.5 17.3 25.9

277 25.0 18.8 28.2

