

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP083123\
 Data File : BP016894.D
 Acq On : 31 Aug 2023 13:02
 Operator : MA/JU
 Sample : 04113-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EZYH8

Quant Time: Sep 01 00:54:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP082423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 30 02:25:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	400190	20.000	ng/u1	0.00
20) Naphthalene-d8	10.857	136	1650056	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.681	164	996951	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	2026025	20.000	ng/u1	0.00
79) Chrysene-d12	21.557	240	1321231	20.000	ng/u1	0.02
88) Perylene-d12	24.139	264	1411074	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	26864	2.774	ng/uL	0.00
4) Pyridine-d5	3.811	84	250	0.008	ng/u1	0.00
7) Phenol-d5	7.175	99	500049	14.052	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.363	67	333267	14.694	ng/u1	0.00
11) 2-Chlorophenol-d4	7.546	132	396085	14.804	ng/u1	0.00
15) 4-Methylphenol-d8	8.734	113	360118	12.397	ng/u1	0.00
21) Nitrobenzene-d5	9.222	128	194465	15.587	ng/u1	0.00
24) 2-Nitrophenol-d4	9.940	143	189306	14.395	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.469	165	364682	14.875	ng/u1	0.00
31) 4-Chloroaniline-d4	11.016	131	145080	3.859	ng/u1	0.00
46) Dimethylphthalate-d6	14.092	166	1177064	15.656	ng/u1	0.00
49) Acenaphthylene-d8	14.381	160	1401088	16.485	ng/u1	0.00
54) 4-Nitrophenol-d4	14.898	143	59379	3.821	ng/u1	0.01
60) Fluorene-d10	15.681	176	1070065	16.901	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.810	200	8439	0.699	ng/u1	0.01
73) Anthracene-d10	17.557	188	1614501	17.978	ng/u1	0.01
81) Pyrene-d10	19.792	212	1589041	21.898	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.968	264	1229625	17.397	ng/u1	0.03
Target Compounds						
					Qvalue	
16) Acetophenone	8.875	105	143346	3.182	ng/u1	99
19) Hexachloroethane	9.110	117	26194	2.302	ng/u1#	10
30) Naphthalene	10.910	128	258087	3.019	ng/u1	97
36) 2-Methylnaphthalene	12.510	142	216570	3.671	ng/u1	99
37) 1-Methylnaphthalene	12.728	142	163725	2.752	ng/u1#	97
50) Acenaphthylene	14.410	152	307570	3.162	ng/u1	99
52) Acenaphthene	14.745	153	196302	3.050	ng/u1	98
56) Dibenzofuran	15.081	168	148578	1.683	ng/u1	99
61) Fluorene	15.734	166	381571	5.166	ng/u1	100
72) Phenanthrene	17.498	178	4045786	37.931	ng/u1	99
74) Anthracene	17.592	178	1595051	14.790	ng/u1	100
77) Carbazole	17.869	167	222242	2.288	ng/u1	95
80) Fluoranthene	19.463	202	7559925	86.728	ng/u1	100
82) Pyrene	19.822	202	6702650	74.440	ng/u1	100
85) Benzo(a)anthracene	21.539	228	3900776	42.862	ng/u1	99
87) Chrysene	21.598	228	5034875	60.905	ng/u1	97
90) Benzo(b)fluoranthene	23.339	252	7197852	79.881	ng/u1	98
91) Benzo(k)fluoranthene	23.339	252	7197852	80.770	ng/u1	98
93) Benzo(a)pyrene	24.027	252	4268051	52.366	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.886	276	3843752	46.152	ng/u1	97
95) Dibenzo(a,h)anthracene	26.898	278	1058591	15.303	ng/u1#	90
96) Benzo(g,h,i)perylene	27.756	276	3829836	60.654	ng/u1	99

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 30 02:25:00 2023
Response via : Initial Calibration

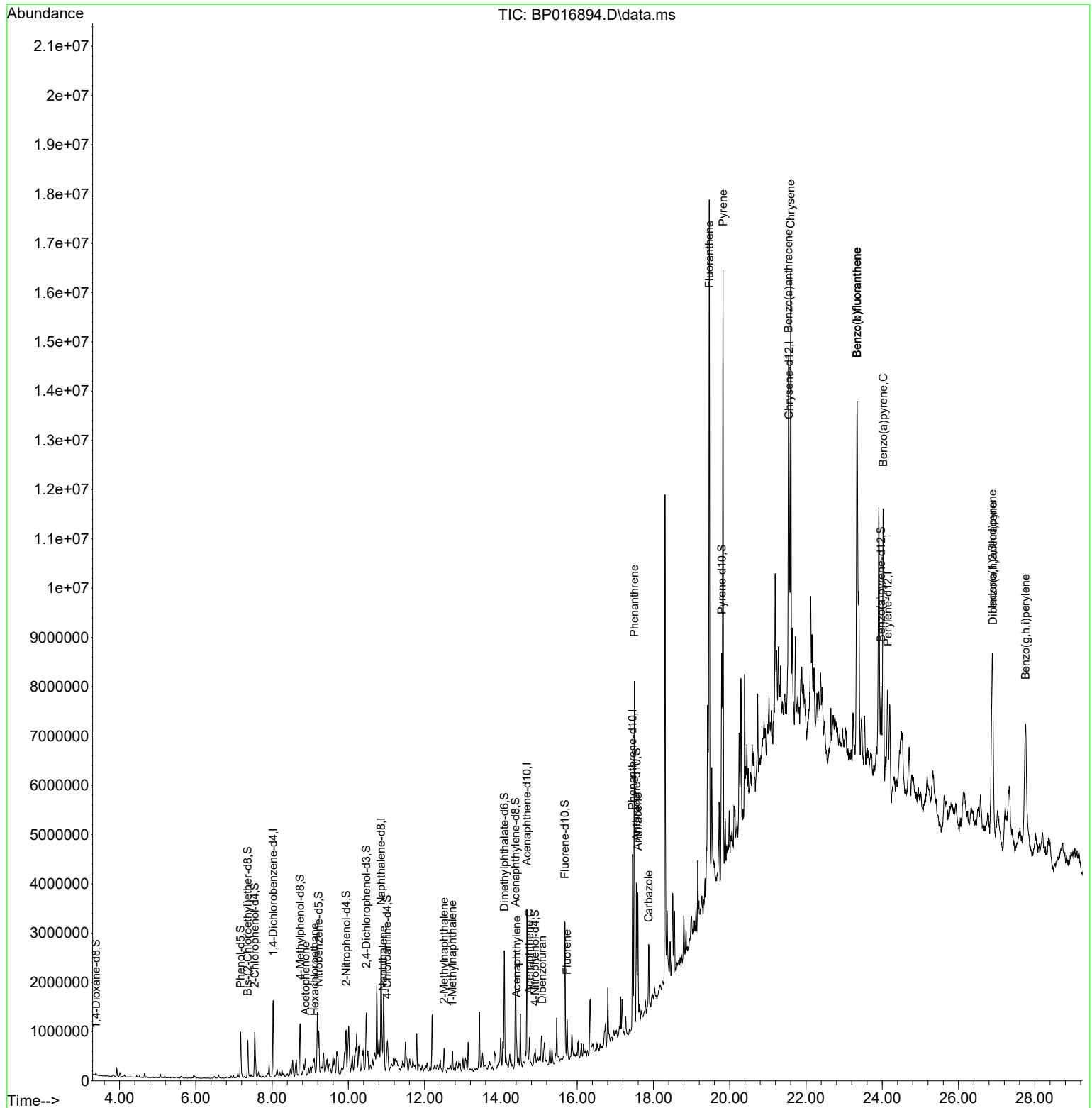
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

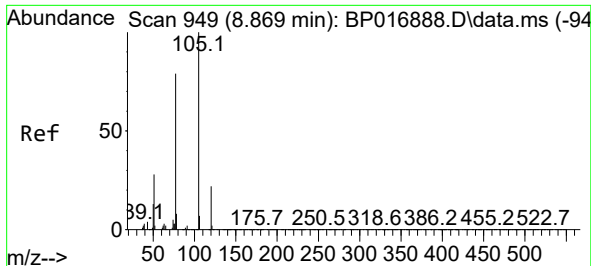
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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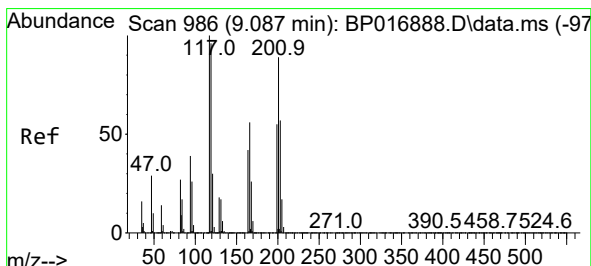
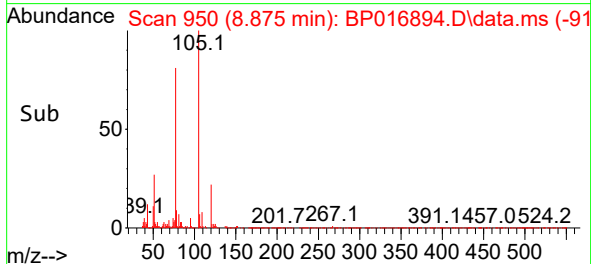
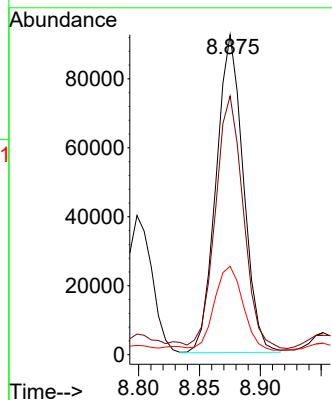
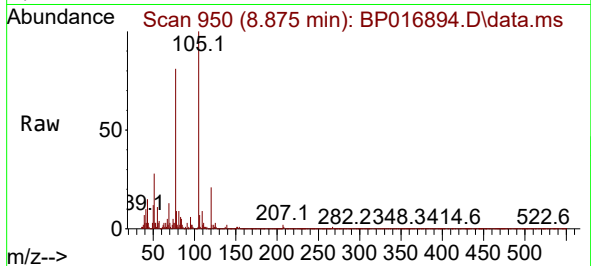




#16
Acetophenone
Concen: 3.182 ng/ul
RT: 8.875 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

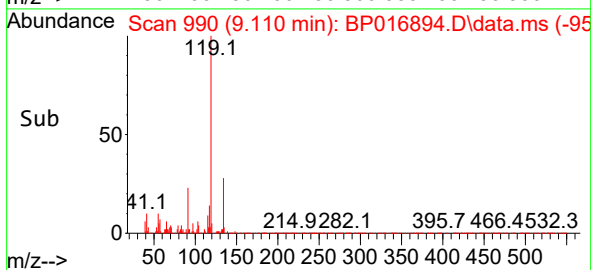
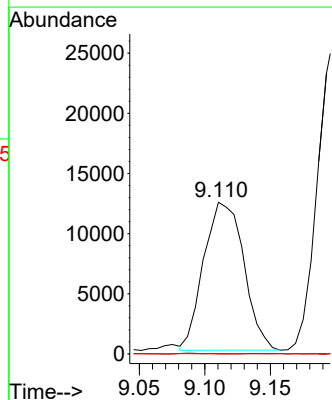
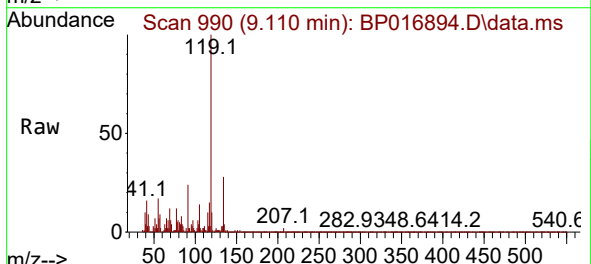
Instrument :
BNA_P
ClientSampleId :
EZYH8

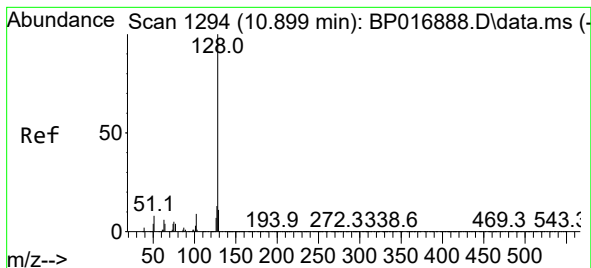
Tgt Ion:105 Resp: 143346
Ion Ratio Lower Upper
105 100
77 80.9 64.2 96.4
51 27.6 22.2 33.4



#19
Hexachloroethane
Concen: 2.302 ng/ul
RT: 9.110 min Scan# 990
Delta R.T. 0.018 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Tgt Ion:117 Resp: 26194
Ion Ratio Lower Upper
117 100
201 0.2 75.4 113.2#
199 0.1 47.8 71.6#

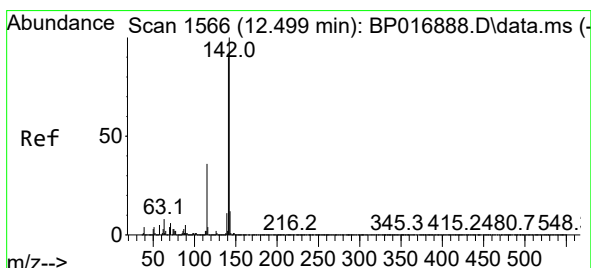
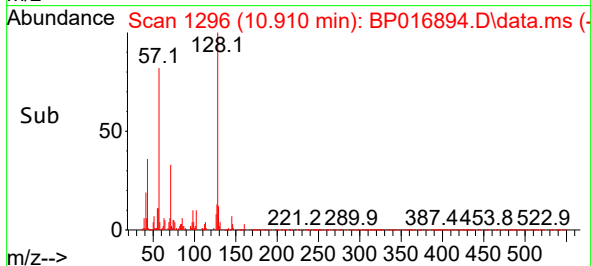
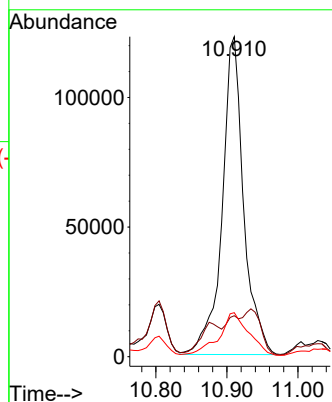
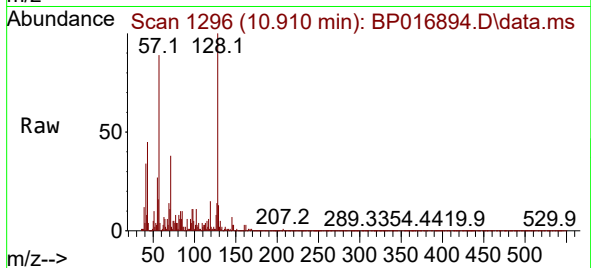




#30
Naphthalene
Concen: 3.019 ng/ul
RT: 10.910 min Scan# 1294
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

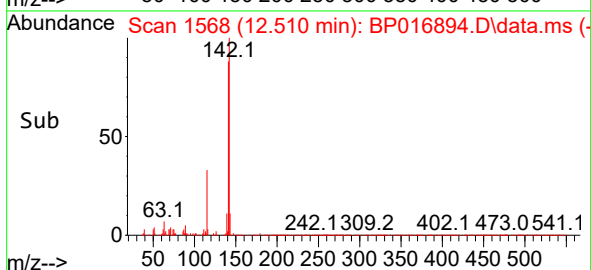
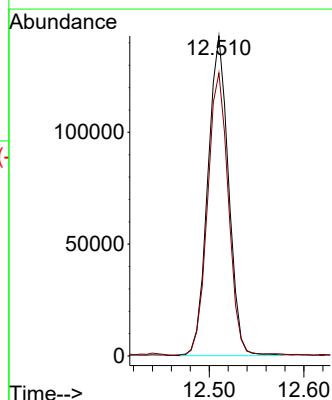
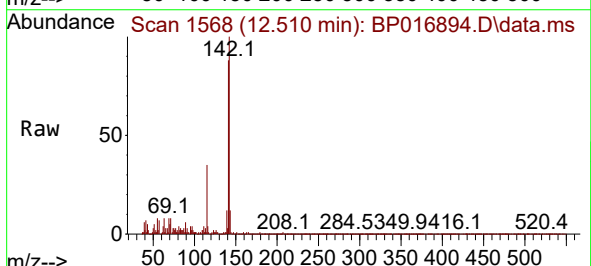
Instrument :
BNA_P
ClientSampleId :
EZYH8

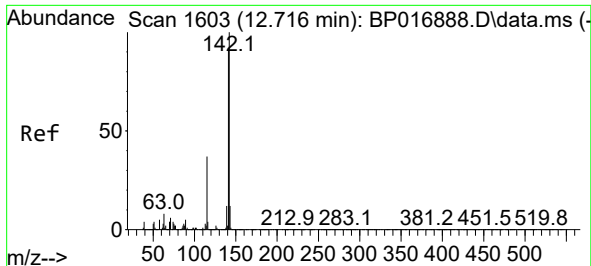
Tgt Ion:128 Resp: 258087
Ion Ratio Lower Upper
128 100
129 12.8 8.8 13.2
127 13.7 10.3 15.5



#36
2-Methylnaphthalene
Concen: 3.671 ng/ul
RT: 12.510 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Tgt Ion:142 Resp: 216570
Ion Ratio Lower Upper
142 100
141 88.4 71.4 107.0





#37

1-Methylnaphthalene

Concen: 2.752 ng/ul

RT: 12.728 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

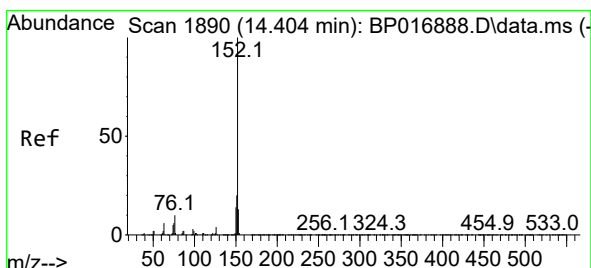
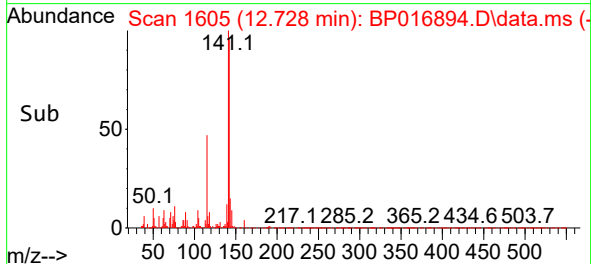
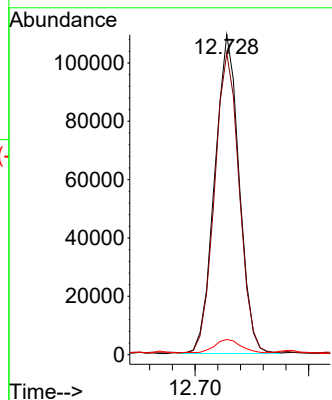
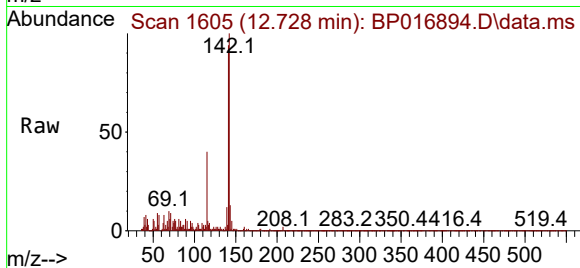
Tgt Ion:142 Resp: 163725

Ion Ratio Lower Upper

142 100

141 94.3 73.0 109.4

116 4.7 3.1 4.7#



#50

Acenaphthylene

Concen: 3.162 ng/ul

RT: 14.410 min Scan# 1891

Delta R.T. 0.006 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

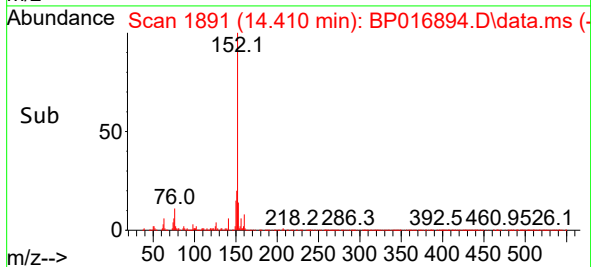
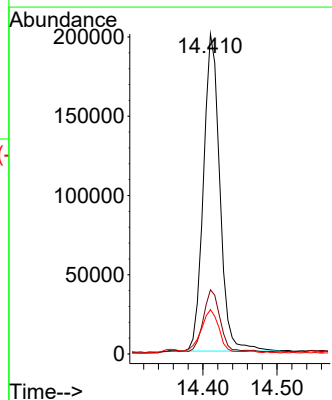
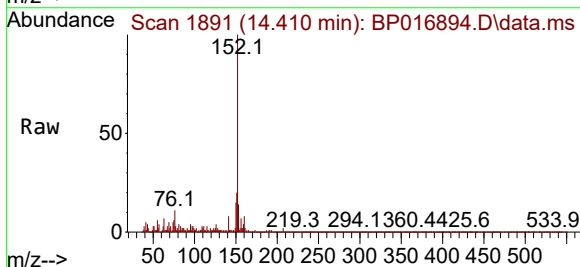
Tgt Ion:152 Resp: 307570

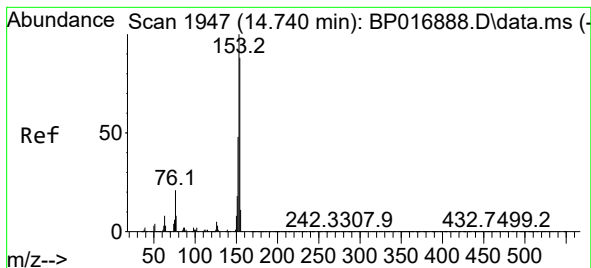
Ion Ratio Lower Upper

152 100

151 20.1 16.1 24.1

153 13.9 10.6 15.8





#52

Acenaphthene

Concen: 3.050 ng/ul

RT: 14.745 min Scan# 1947

Delta R.T. 0.006 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

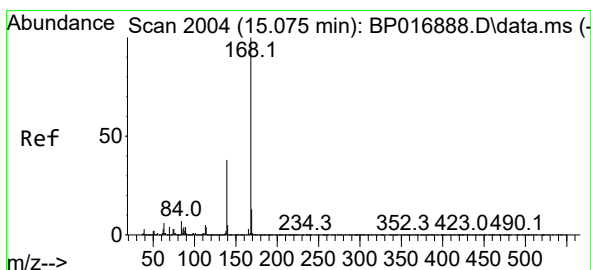
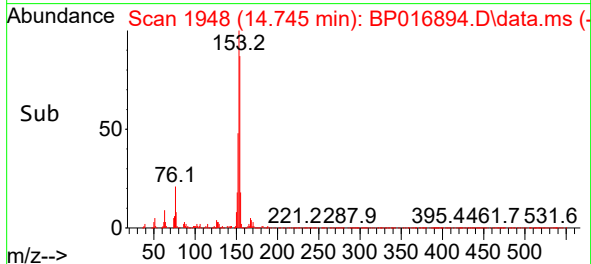
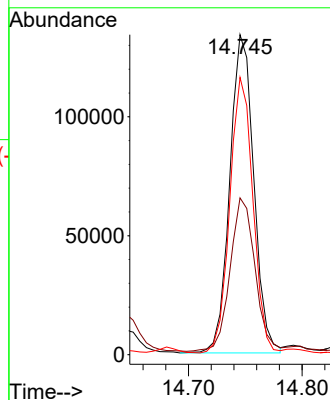
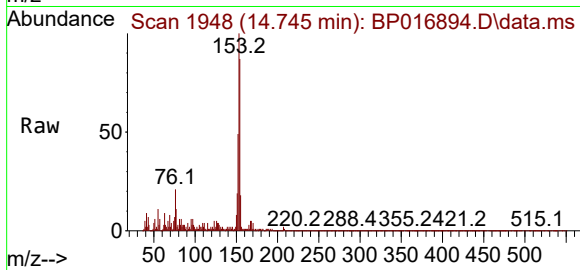
Tgt Ion:153 Resp: 196302

Ion Ratio Lower Upper

153 100

152 49.0 38.5 57.7

154 86.6 70.6 105.8



#56

Dibenzofuran

Concen: 1.683 ng/ul

RT: 15.081 min Scan# 2005

Delta R.T. 0.006 min

Lab File: BP016894.D

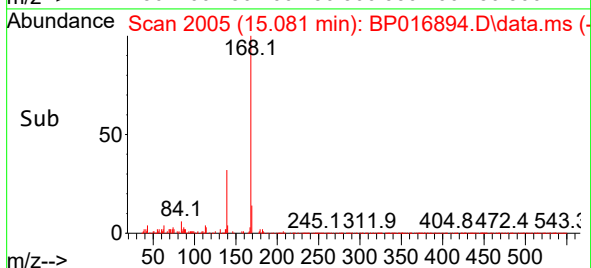
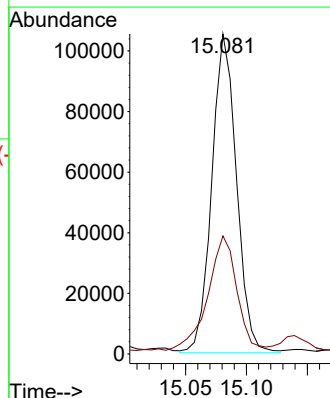
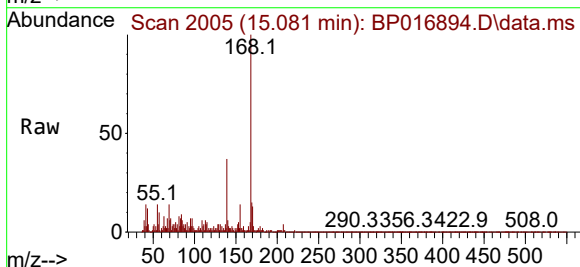
Acq: 31 Aug 2023 13:02

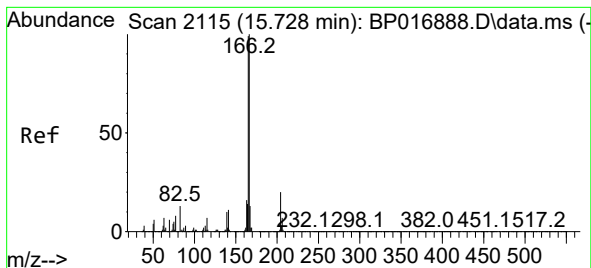
Tgt Ion:168 Resp: 148578

Ion Ratio Lower Upper

168 100

139 36.9 29.2 43.8





#61

Fluorene

Concen: 5.166 ng/ul

RT: 15.734 min Scan# 2115

Delta R.T. 0.006 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

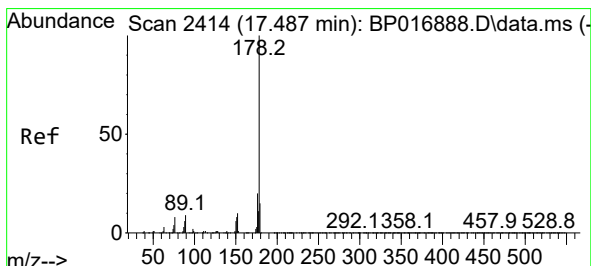
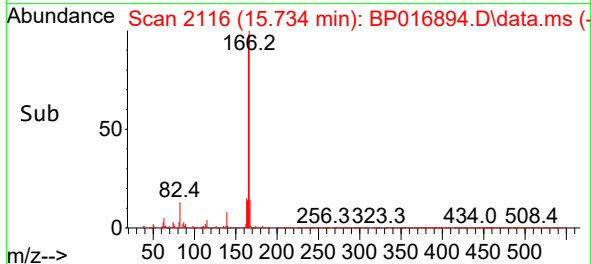
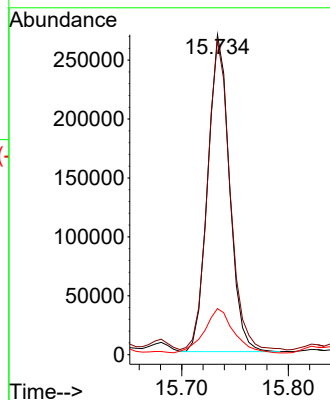
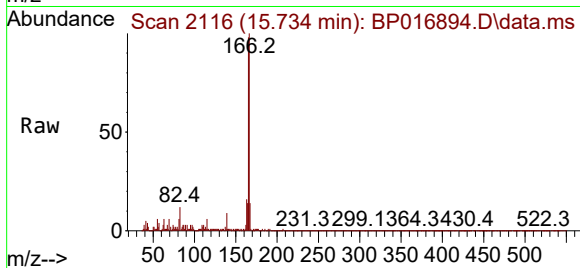
Tgt Ion:166 Resp: 381571

Ion Ratio Lower Upper

166 100

165 98.3 78.8 118.2

167 14.4 10.9 16.3



#72

Phenanthrene

Concen: 37.931 ng/ul

RT: 17.498 min Scan# 2416

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

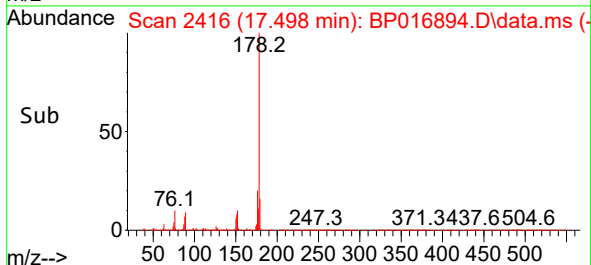
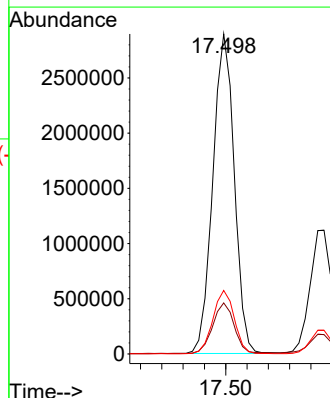
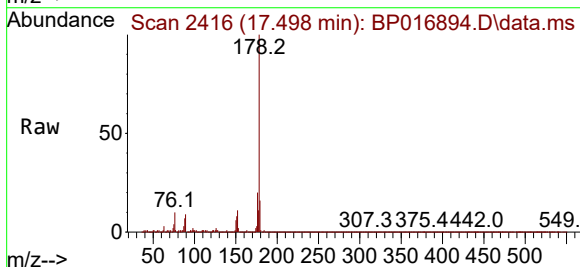
Tgt Ion:178 Resp: 4045786

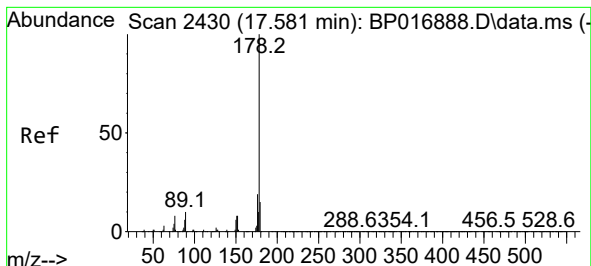
Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

176 19.8 15.6 23.4





#74

Anthracene

Concen: 14.790 ng/ul

RT: 17.592 min Scan# 2430

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

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ClientSampleId :

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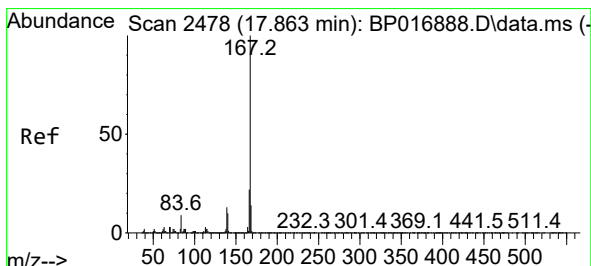
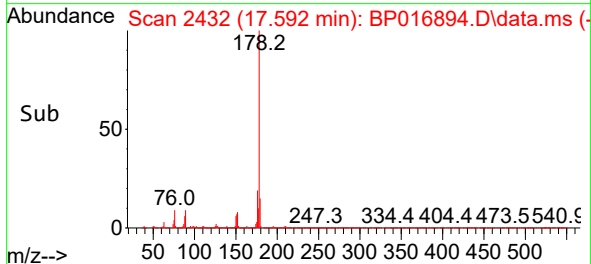
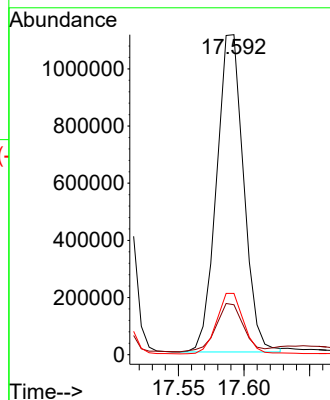
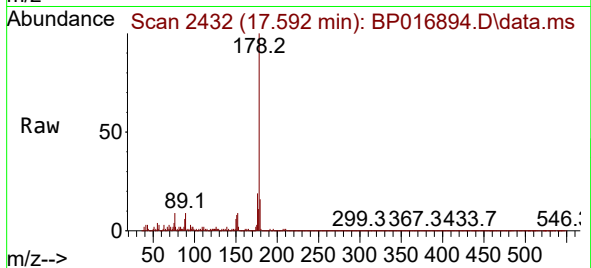
Tgt Ion:178 Resp: 1595051

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

176 19.2 15.3 22.9



#77

Carbazole

Concen: 2.288 ng/ul

RT: 17.869 min Scan# 2479

Delta R.T. 0.006 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

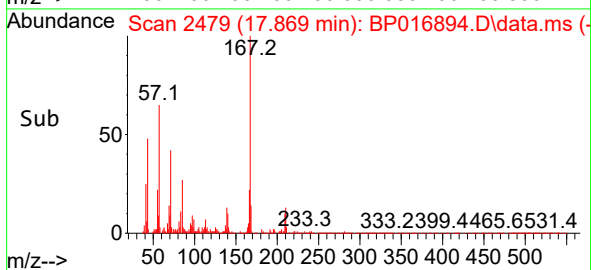
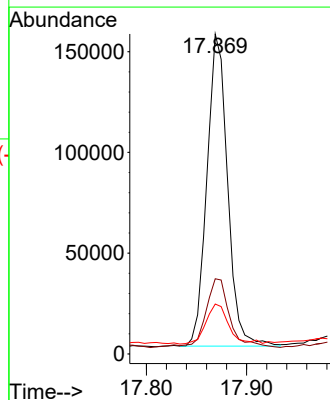
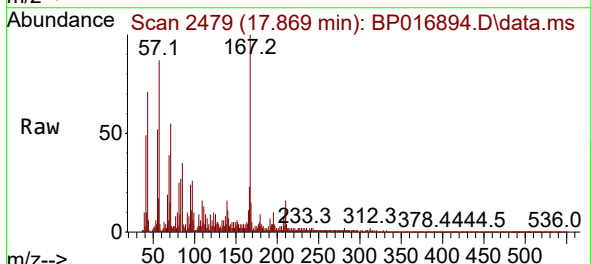
Tgt Ion:167 Resp: 222242

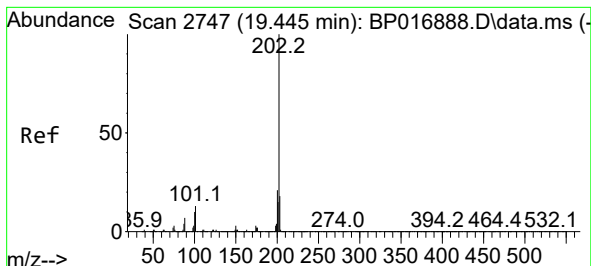
Ion Ratio Lower Upper

167 100

166 23.5 17.4 26.2

139 15.6 10.4 15.6





#80

Fluoranthene

Concen: 86.728 ng/ul

RT: 19.463 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

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EZYH8

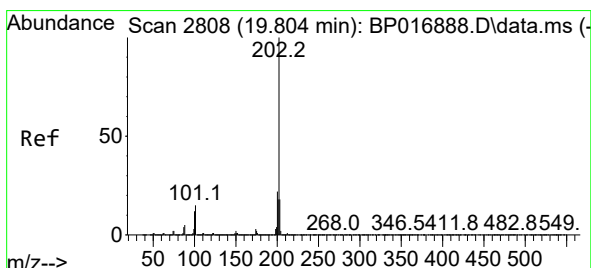
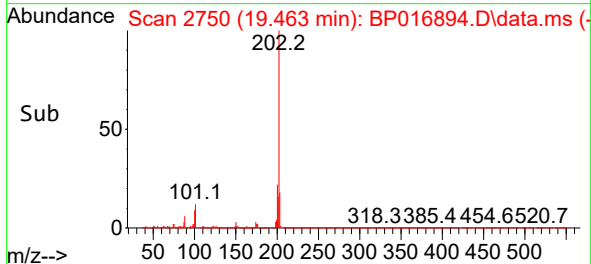
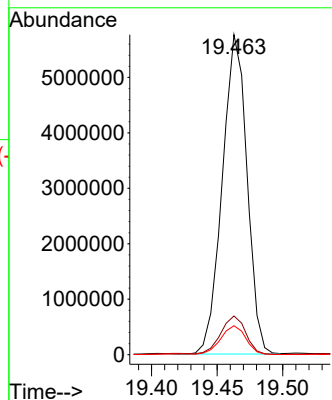
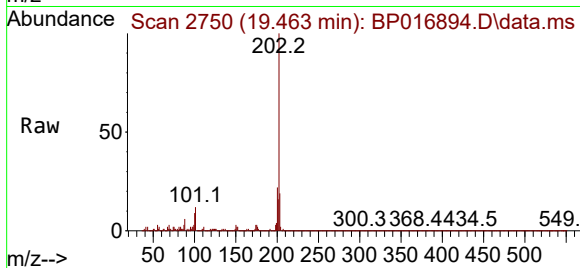
Tgt Ion:202 Resp: 7559925

Ion Ratio Lower Upper

202 100

101 12.1 9.7 14.5

100 9.1 7.4 11.2



#82

Pyrene

Concen: 74.440 ng/ul

RT: 19.822 min Scan# 2811

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

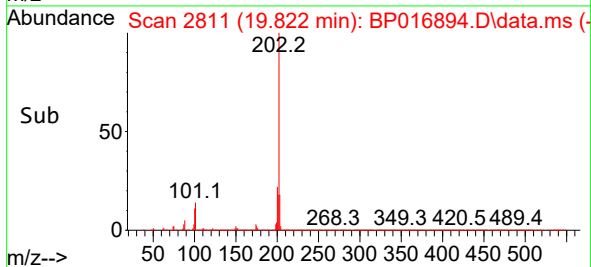
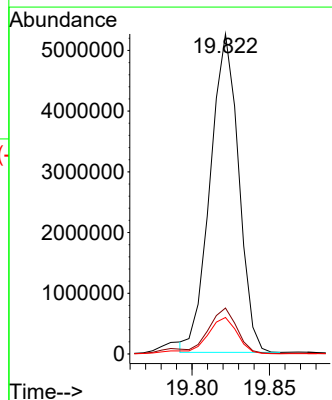
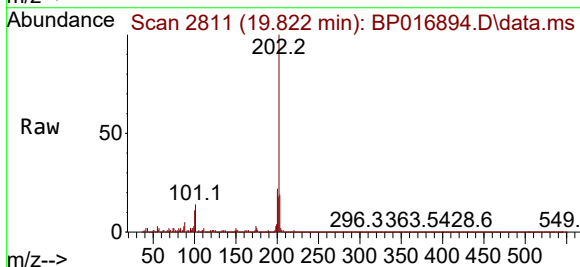
Tgt Ion:202 Resp: 6702650

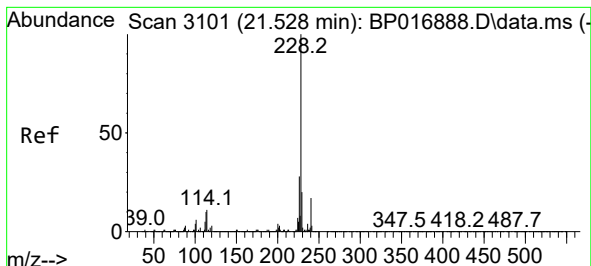
Ion Ratio Lower Upper

202 100

101 14.3 11.4 17.2

100 11.4 9.4 14.2





#85

Benzo(a)anthracene

Concen: 42.862 ng/ul

RT: 21.539 min Scan# 3103

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

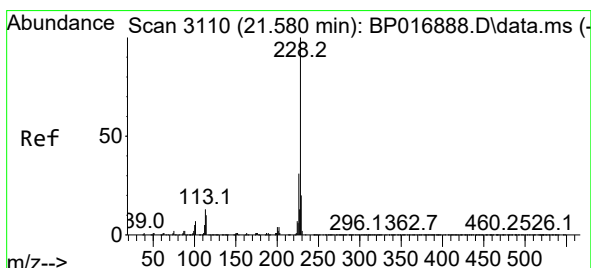
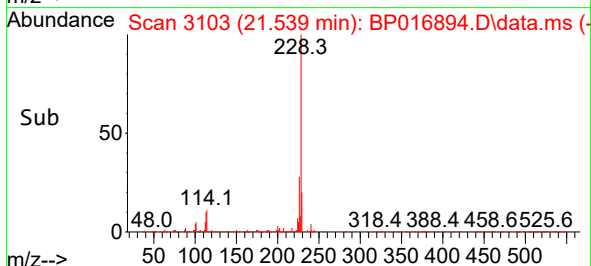
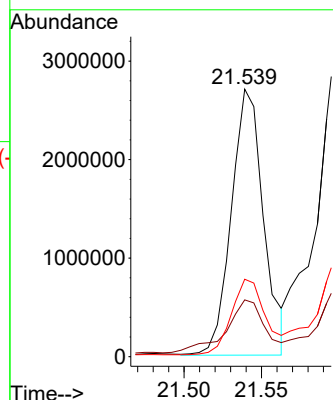
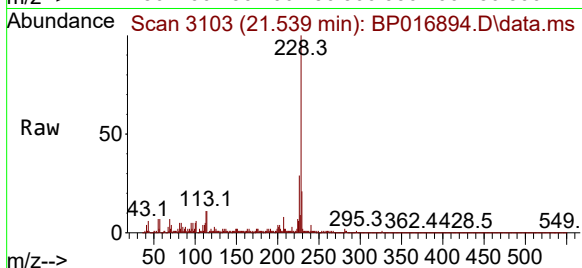
Tgt Ion:228 Resp: 3900776

Ion Ratio Lower Upper

228 100

229 21.2 16.2 24.4

226 28.9 22.9 34.3



#87

Chrysene

Concen: 60.905 ng/ul

RT: 21.598 min Scan# 3113

Delta R.T. 0.018 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

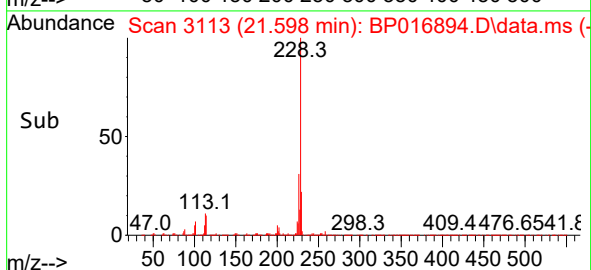
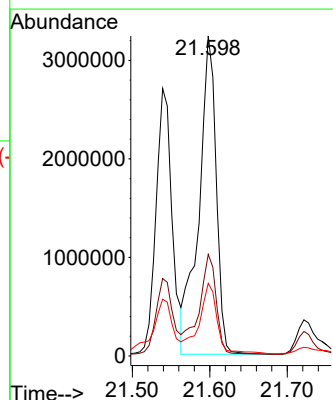
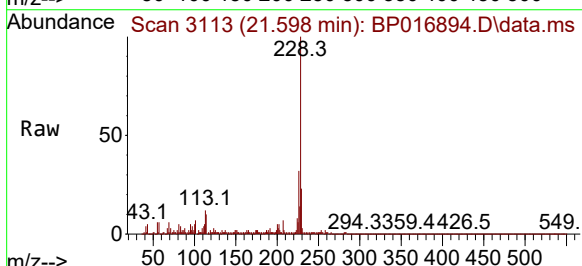
Tgt Ion:228 Resp: 5034875

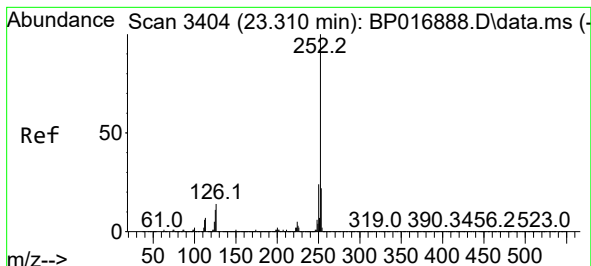
Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.4

229 22.7 16.0 24.0





#90

Benzo(b)fluoranthene

Concen: 79.881 ng/ul

RT: 23.339 min Scan# 3409

Delta R.T. 0.029 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

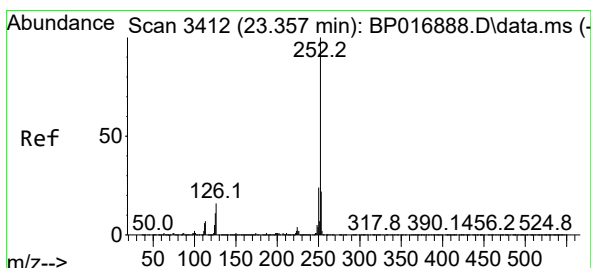
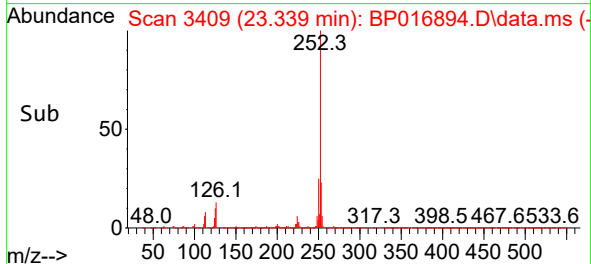
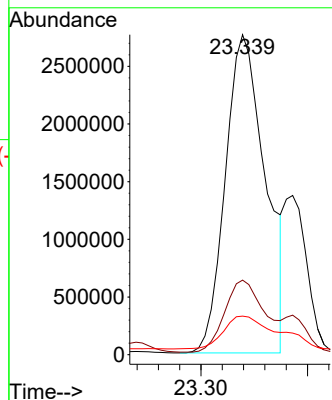
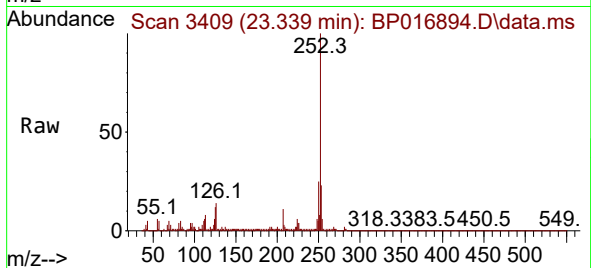
Tgt Ion:252 Resp: 7197852

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 12.1 9.0 13.4



#91

Benzo(k)fluoranthene

Concen: 80.770 ng/ul

RT: 23.339 min Scan# 3409

Delta R.T. -0.023 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

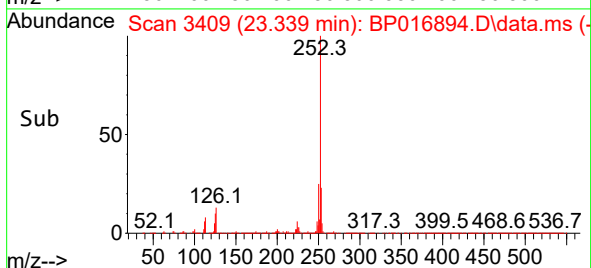
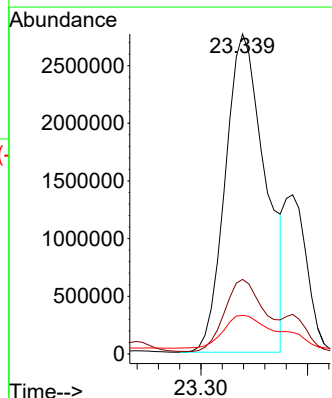
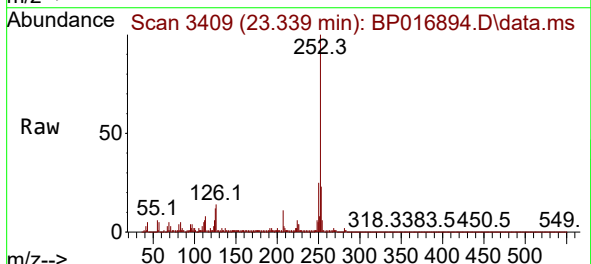
Tgt Ion:252 Resp: 7197852

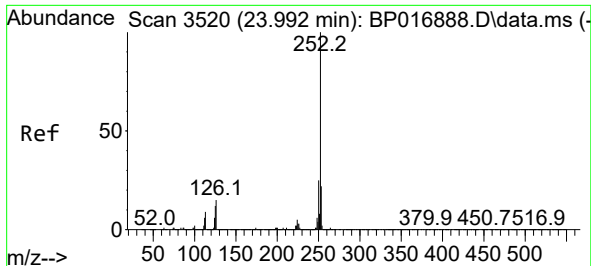
Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

125 12.1 8.9 13.3

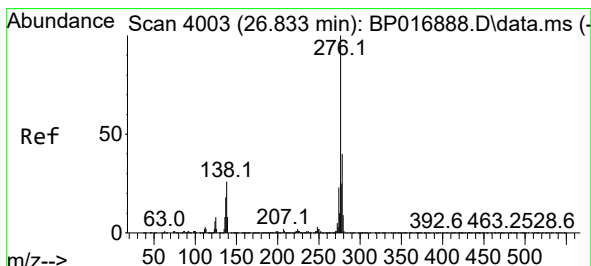
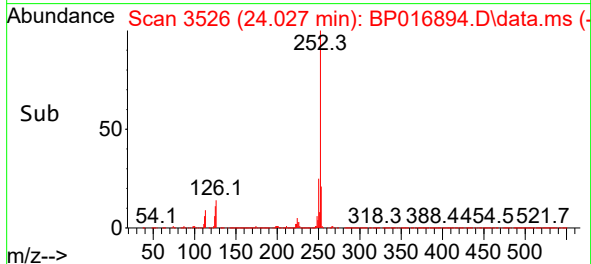
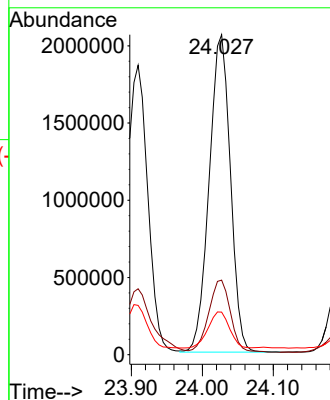
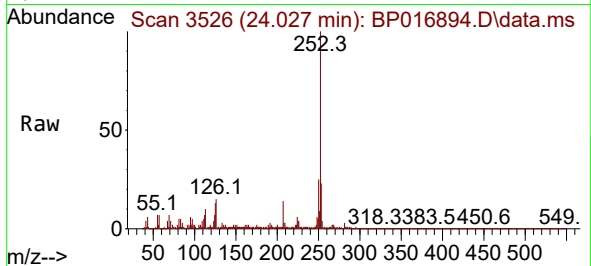




#93
Benzo(a)pyrene
Concen: 52.366 ng/ul
RT: 24.027 min Scan# 31
Delta R.T. 0.035 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

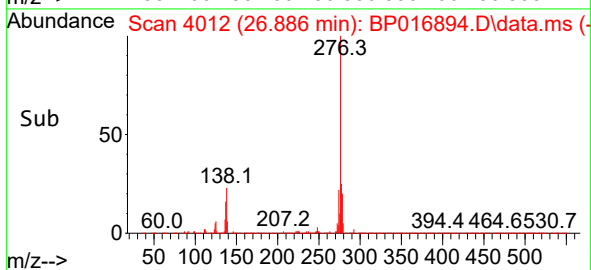
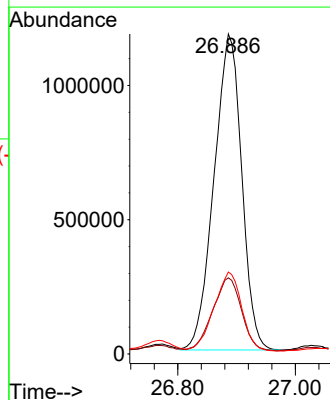
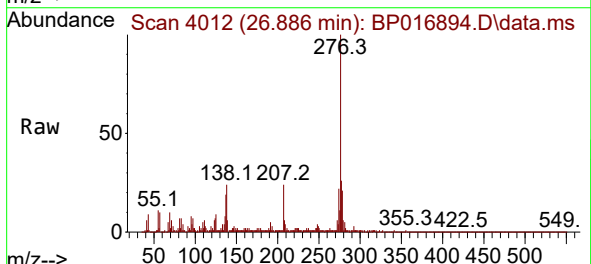
Instrument :
BNA_P
ClientSampleId :
EZYH8

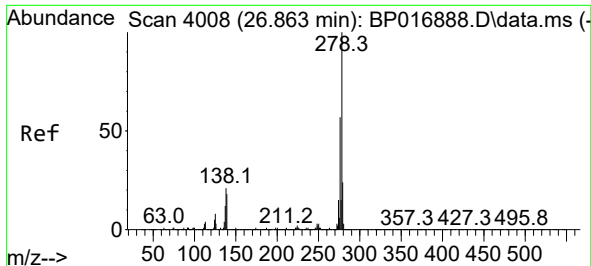
Tgt Ion:252 Resp: 4268051
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 13.3 9.9 14.9



#94
Indeno(1,2,3-cd)pyrene
Concen: 46.152 ng/ul
RT: 26.886 min Scan# 4012
Delta R.T. 0.053 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Tgt Ion:276 Resp: 3843752
Ion Ratio Lower Upper
276 100
138 23.8 20.9 31.3
277 25.6 19.8 29.6

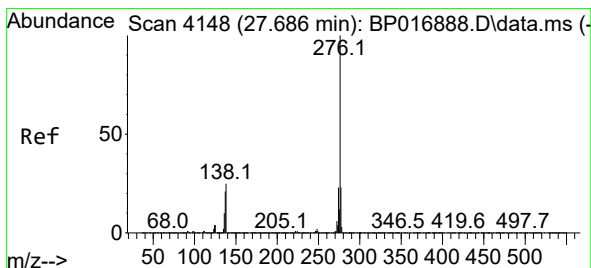
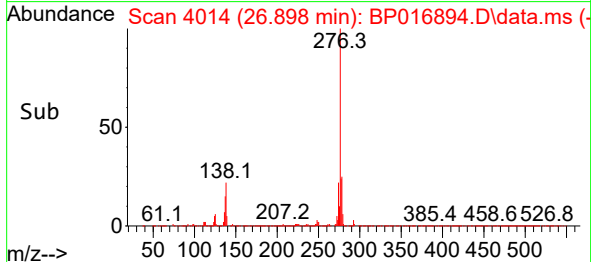
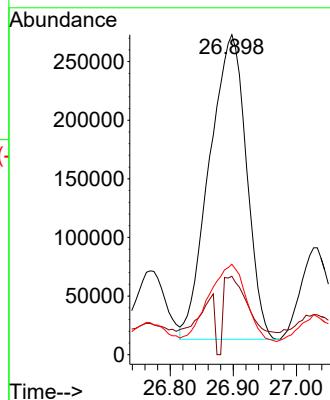
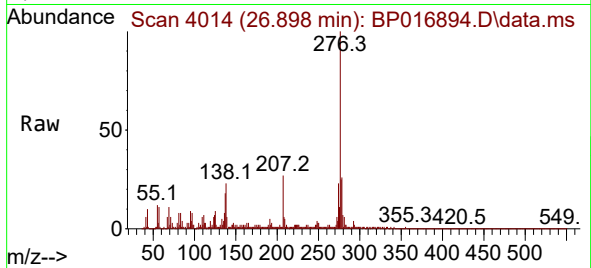




#95
Dibenzo(a,h)anthracene
Concen: 15.303 ng/ul
RT: 26.898 min Scan# 4008
Delta R.T. 0.035 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Instrument :
BNA_P
ClientSampleId :
EZYH8

Tgt Ion:278 Resp: 1058591
Ion Ratio Lower Upper
278 100
139 24.5 15.0 22.6#
279 28.3 19.4 29.2



#96
Benzo(g,h,i)perylene
Concen: 60.654 ng/ul
RT: 27.756 min Scan# 4160
Delta R.T. 0.071 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Tgt Ion:276 Resp: 3829836
Ion Ratio Lower Upper
276 100
138 24.5 20.2 30.4
277 24.7 19.3 28.9

