

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018901.D
 Acq On : 18 Dec 2023 11:48
 Operator : MA/JU
 Sample : 05626-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF1

Quant Time: Dec 18 21:38:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	222041	20.000	ng/u1	0.00
20) Naphthalene-d8	10.622	136	801663	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.457	164	469664	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.210	188	999191	20.000	ng/u1	0.00
79) Chrysene-d12	21.310	240	997031	20.000	ng/u1	0.00
88) Perylene-d12	23.680	264	1247987	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	24528	3.764	ng/uL	0.00
4) Pyridine-d5	3.681	84	113883	6.525	ng/u1	0.00
7) Phenol-d5	6.999	99	410162	18.407	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	240296	18.195	ng/u1	0.00
11) 2-Chlorophenol-d4	7.357	132	334790	19.255	ng/u1	0.00
15) 4-Methylphenol-d8	8.540	113	305123	16.920	ng/u1	0.00
21) Nitrobenzene-d5	8.987	128	145039	20.328	ng/u1	0.00
24) 2-Nitrophenol-d4	9.704	143	152291	20.587	ng/u1	-0.01
28) 2,4-Dichlorophenol-d3	10.246	165	328763	21.735	ng/u1	0.00
31) 4-Chloroaniline-d4	10.769	131	165092	8.351	ng/u1	0.00
46) Dimethylphthalate-d6	13.875	166	964449	23.008	ng/u1	0.00
49) Acenaphthylene-d8	14.151	160	1050765	22.765	ng/u1	0.00
54) 4-Nitrophenol-d4	14.669	143	123178	17.902	ng/u1	0.00
60) Fluorene-d10	15.451	176	831926	23.644	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.575	200	96833	16.163	ng/u1	0.00
73) Anthracene-d10	17.310	188	1314592	25.026	ng/u1	0.00
81) Pyrene-d10	19.557	212	1576767	20.316	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.527	264	1747954	24.021	ng/u1	0.01
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.969	77	19538	1.698	ng/u1	96
8) Phenol	7.028	94	93388	4.274	ng/u1	98
16) Acetophenone	8.652	105	510032	18.978	ng/u1	99
30) Naphthalene	10.669	128	86448	1.778	ng/u1	98
36) 2-Methylnaphthalene	12.281	142	65659	1.906	ng/u1	96
37) 1-Methylnaphthalene	12.498	142	62551	1.798	ng/u1	98
43) 1,1'-Biphenyl	13.292	154	61170	1.506	ng/u1	99
50) Acenaphthylene	14.181	152	862527	16.620	ng/u1	100
52) Acenaphthene	14.522	153	2413956	70.352	ng/u1	100
56) Dibenzofuran	14.857	168	1182569	24.797	ng/u1	98
61) Fluorene	15.510	166	1350979	35.801	ng/u1	100
63) 4-Nitroaniline	15.510	138	15151	2.044	ng/u1#	24
71) Pentachlorophenol	16.863	266	16084	1.920	ng/u1	96
72) Phenanthrene	17.257	178	5134984	85.092	ng/u1	99
74) Anthracene	17.345	178	6344277	104.882	ng/u1	99
77) Carbazole	17.616	167	758348	15.730	ng/u1	98
80) Fluoranthene	19.374	202	202624	2.209	ng/u1	96
85) Benzo(a)anthracene	21.292	228	6586559	81.388	ng/u1	96
87) Chrysene	21.351	228	9864775	132.368	ng/u1	95
90) Benzo(b)fluoranthene	22.974	252	15736927	171.026	ng/u1	96
91) Benzo(k)fluoranthene	22.974	252	15736927	176.759	ng/u1	97
93) Benzo(a)pyrene	23.480	252	6354010	75.574	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.151	276	4800755	47.790	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.151	278	1237475	14.809	ng/u1#	81

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QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

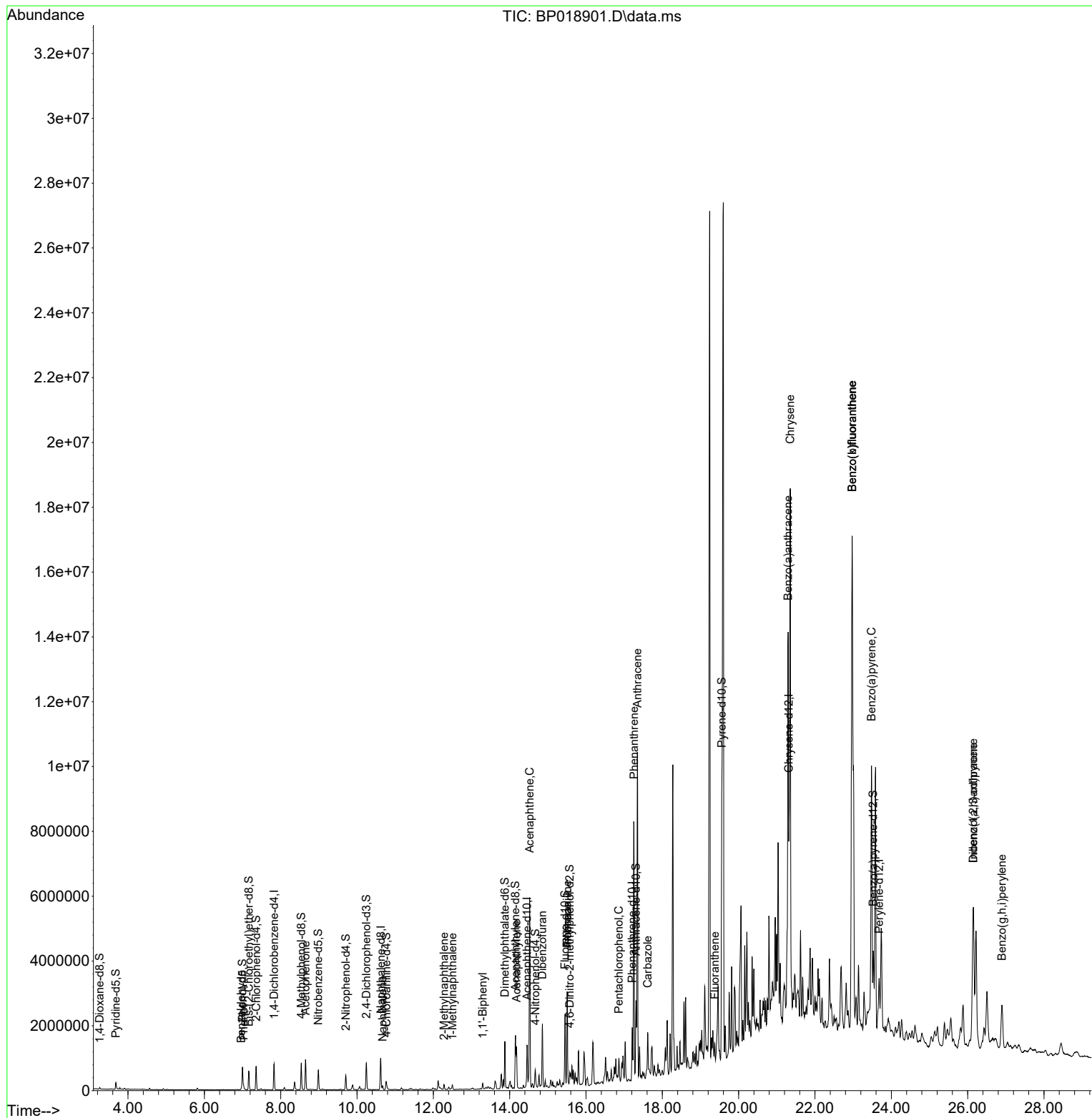
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	26.898	276	1863062	23.045	ng/ul	95

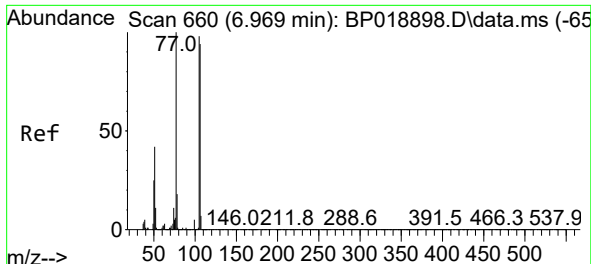
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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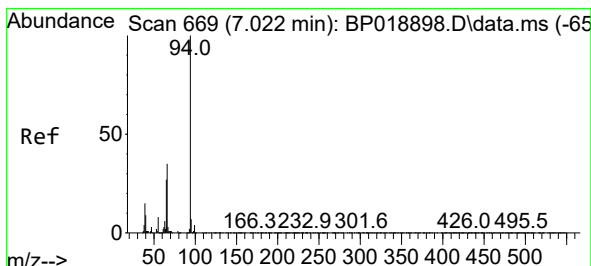
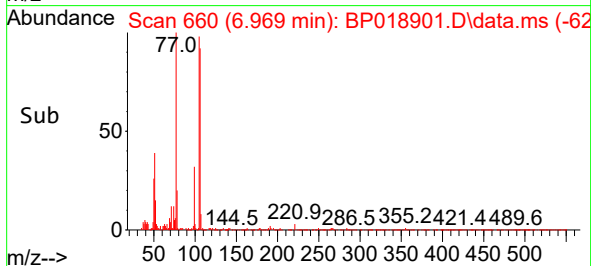
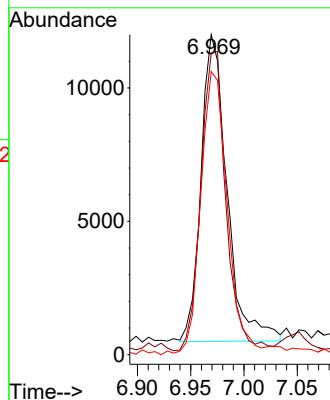
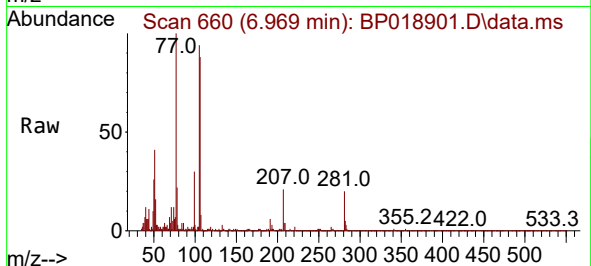




#6
Benzaldehyde
Concen: 1.698 ng/ul
RT: 6.969 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

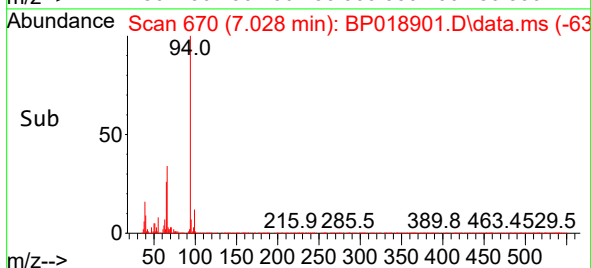
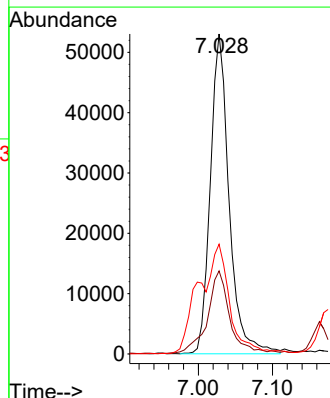
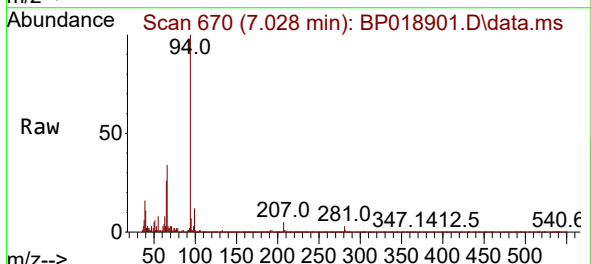
Instrument :
BNA_P
ClientSampleId :
DCLF1

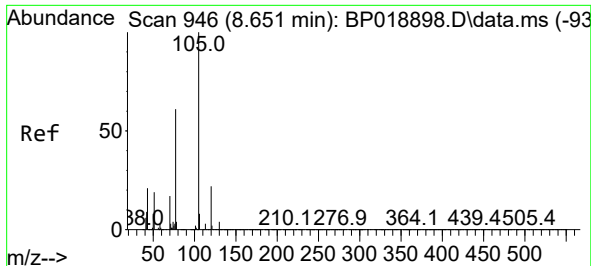
Tgt Ion: 77 Resp: 19538
Ion Ratio Lower Upper
77 100
105 94.2 77.9 116.9
106 88.4 74.6 111.8



#8
Phenol
Concen: 4.274 ng/ul
RT: 7.028 min Scan# 670
Delta R.T. -0.000 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion: 94 Resp: 93388
Ion Ratio Lower Upper
94 100
65 26.0 21.0 31.6
66 34.3 28.6 43.0

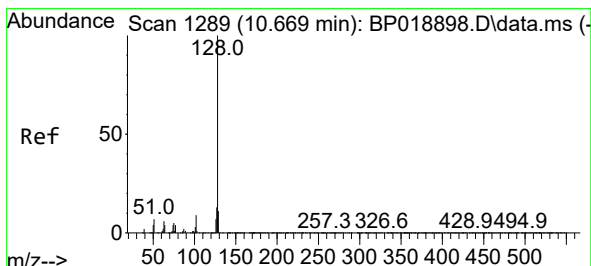
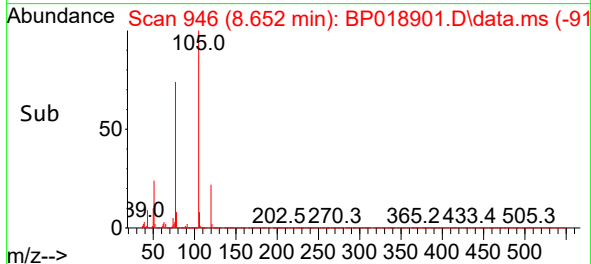
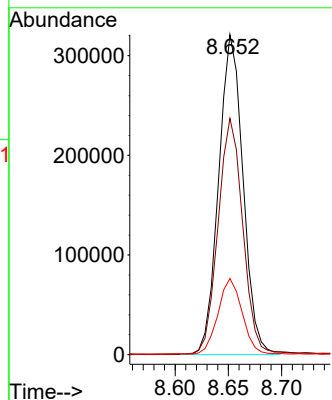
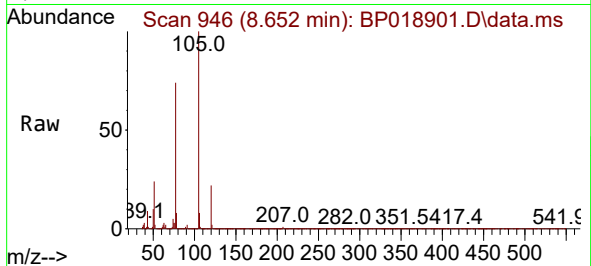




#16
Acetophenone
Concen: 18.978 ng/ul
RT: 8.652 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

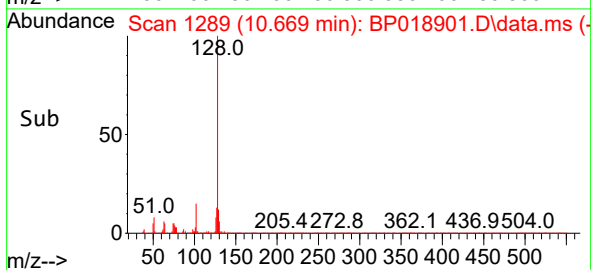
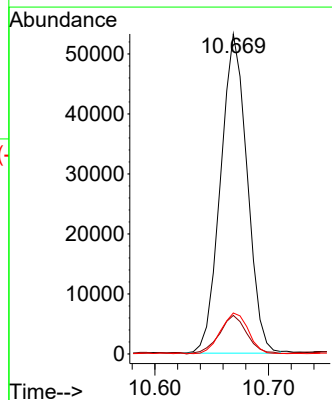
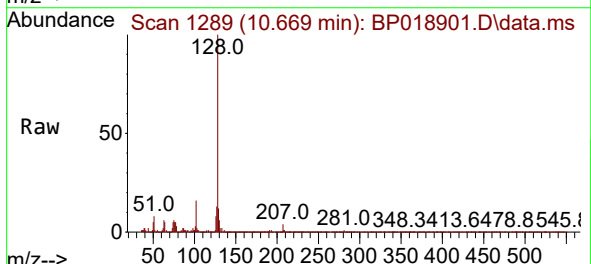
Instrument :
BNA_P
ClientSampleId :
DCLF1

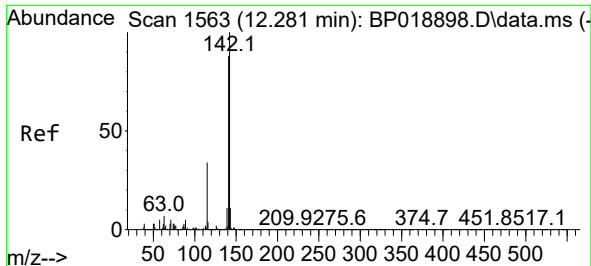
Tgt Ion:105 Resp: 510032
Ion Ratio Lower Upper
105 100
77 73.8 59.4 89.0
51 23.8 19.4 29.0



#30
Naphthalene
Concen: 1.778 ng/ul
RT: 10.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:128 Resp: 86448
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 12.8 10.5 15.7

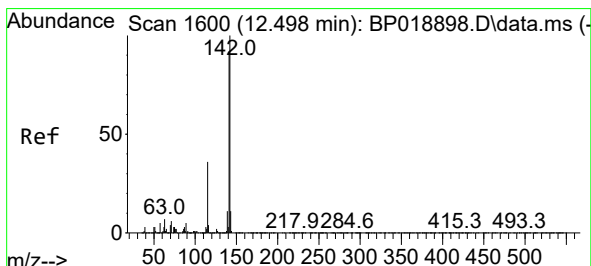
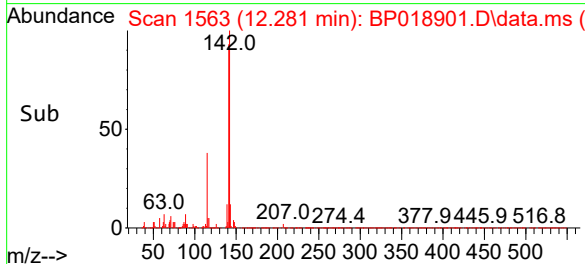
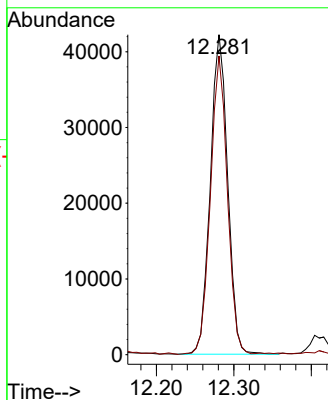
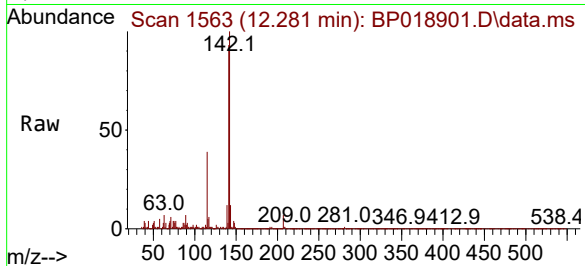




#36
2-Methylnaphthalene
Concen: 1.906 ng/ul
RT: 12.281 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

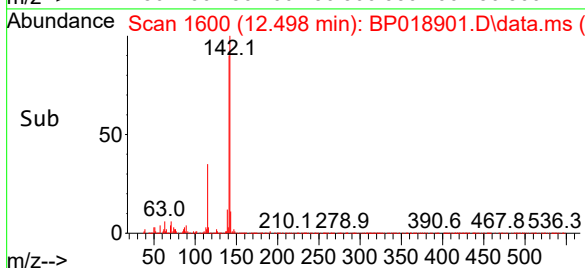
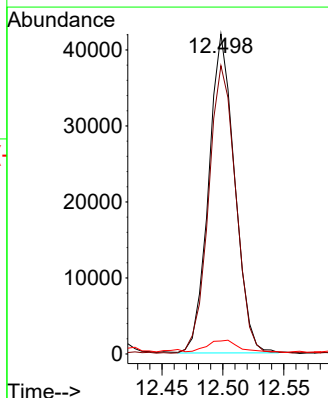
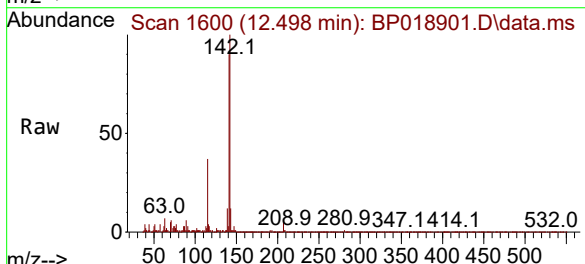
Instrument :
BNA_P
ClientSampleId :
DCLF1

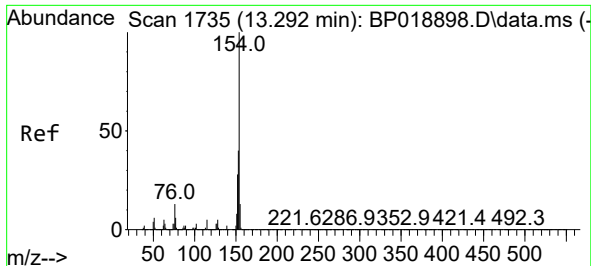
Tgt Ion:142 Resp: 65659
Ion Ratio Lower Upper
142 100
141 93.3 71.4 107.0



#37
1-Methylnaphthalene
Concen: 1.798 ng/ul
RT: 12.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:142 Resp: 62551
Ion Ratio Lower Upper
142 100
141 90.1 73.5 110.3
116 4.1 2.8 4.2

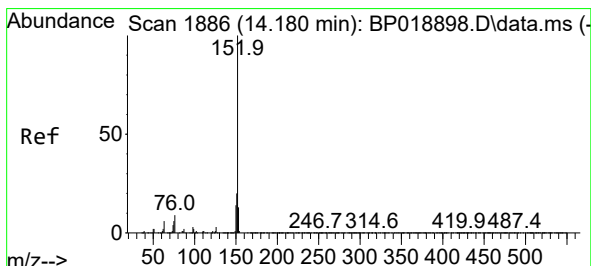
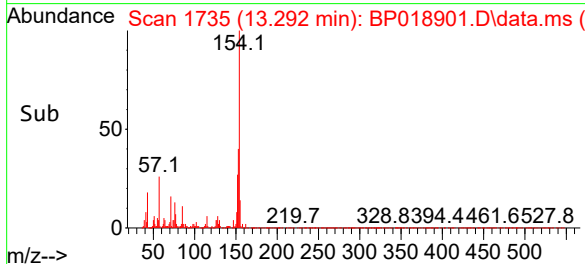
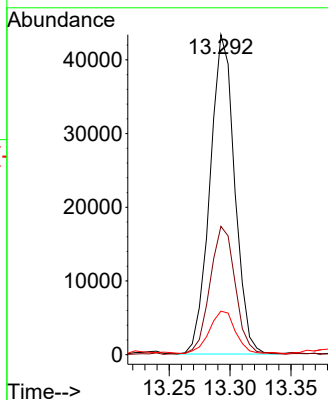
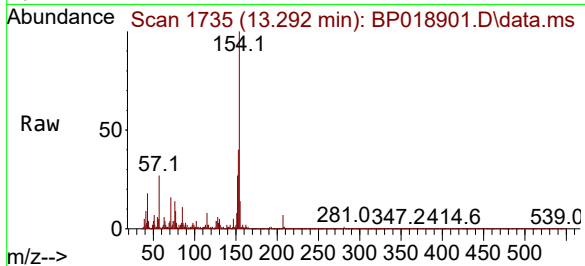




#43
1,1'-Biphenyl
Concen: 1.506 ng/ul
RT: 13.292 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

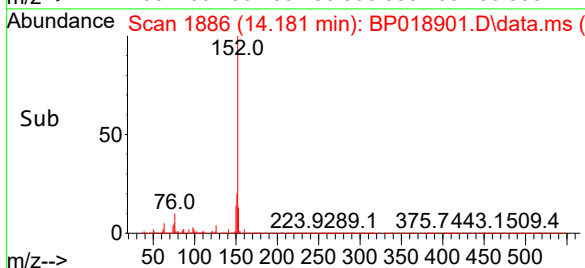
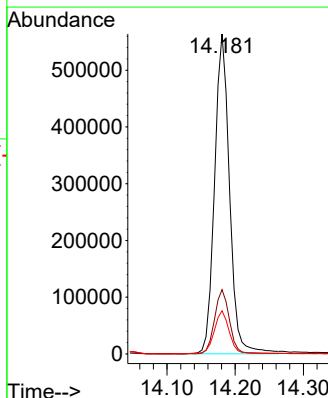
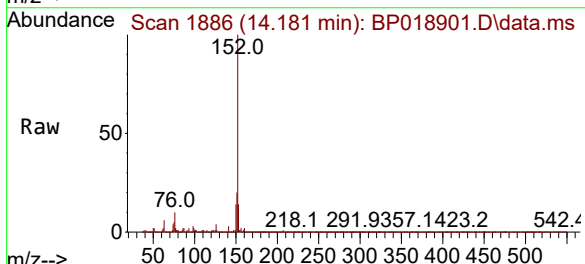
Instrument :
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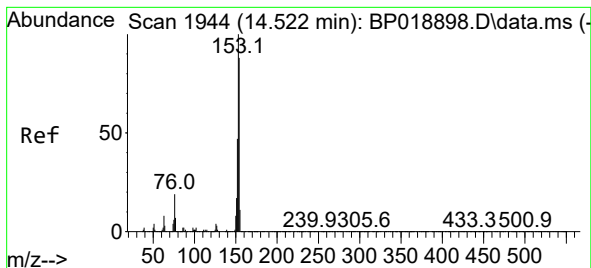
Tgt Ion:154 Resp: 61170
Ion Ratio Lower Upper
154 100
153 40.1 32.8 49.2
76 13.6 10.7 16.1



#50
Acenaphthylene
Concen: 16.620 ng/ul
RT: 14.181 min Scan# 1886
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:152 Resp: 862527
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.5 10.6 16.0





#52

Acenaphthene

Concen: 70.352 ng/ul

RT: 14.522 min Scan# 1944

Delta R.T. -0.006 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

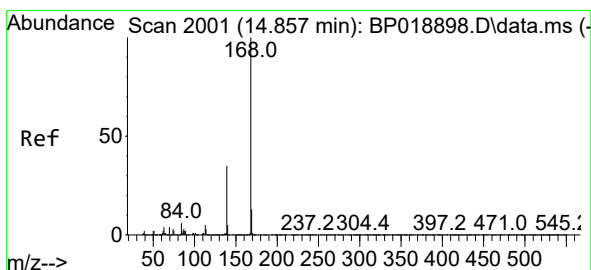
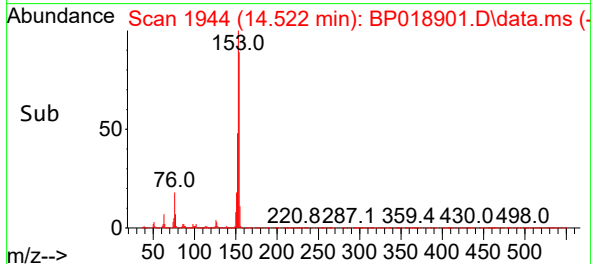
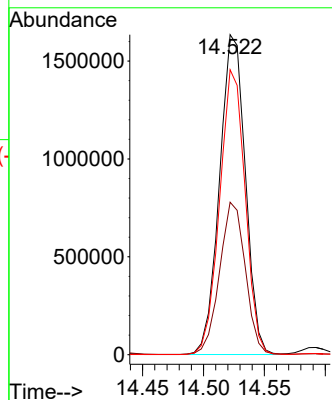
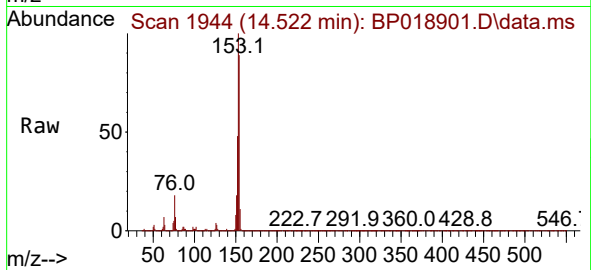
Tgt Ion:153 Resp: 2413956

Ion Ratio Lower Upper

153 100

152 47.7 38.1 57.1

154 89.1 71.7 107.5



#56

Dibenzofuran

Concen: 24.797 ng/ul

RT: 14.857 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BP018901.D

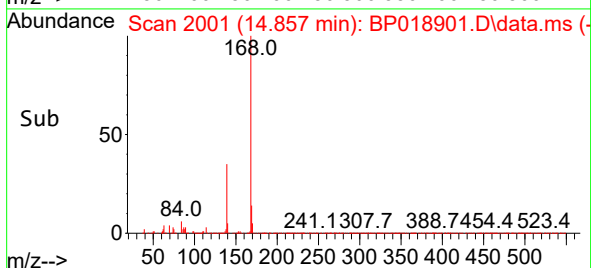
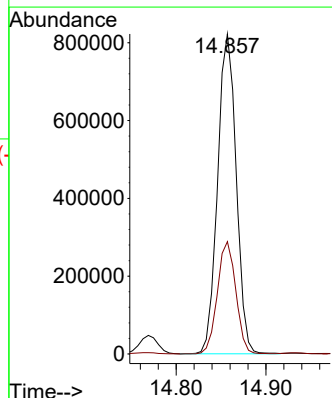
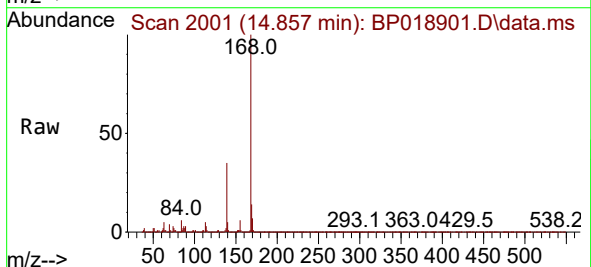
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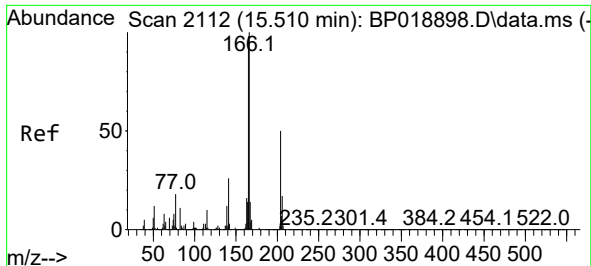
Tgt Ion:168 Resp: 1182569

Ion Ratio Lower Upper

168 100

139 35.1 29.1 43.7

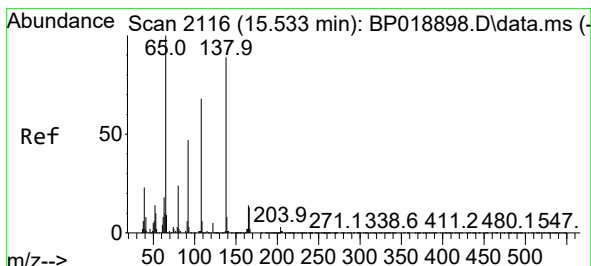
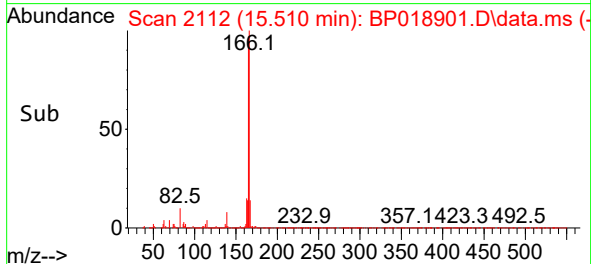
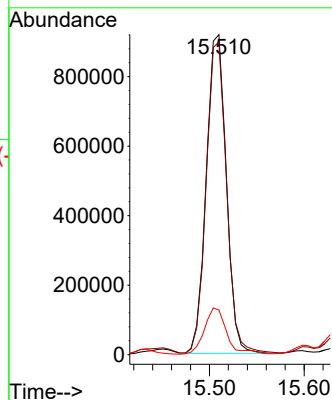
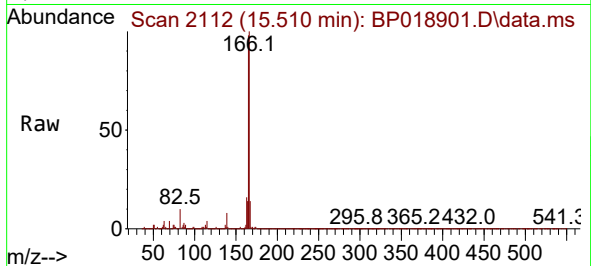




#61
Fluorene
Concen: 35.801 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

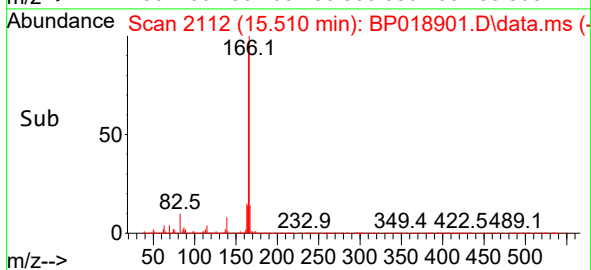
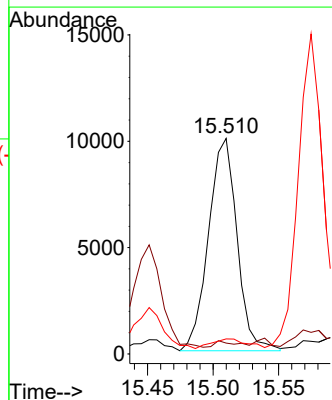
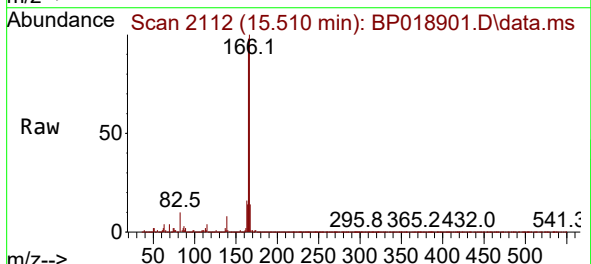
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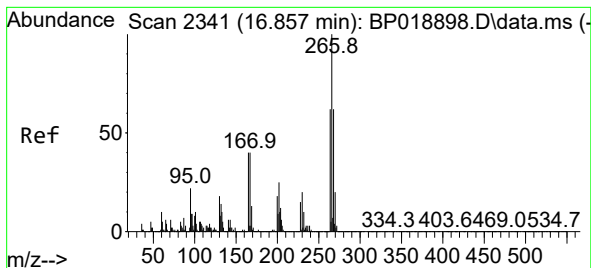
Tgt Ion:166 Resp: 1350979
Ion Ratio Lower Upper
166 100
165 97.7 78.0 117.0
167 14.0 10.8 16.2



#63
4-Nitroaniline
Concen: 2.044 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.029 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:138 Resp: 15151
Ion Ratio Lower Upper
138 100
92 5.0 42.3 63.5#
108 7.0 62.0 93.0#





#71

Pentachlorophenol

Concen: 1.920 ng/ul

RT: 16.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

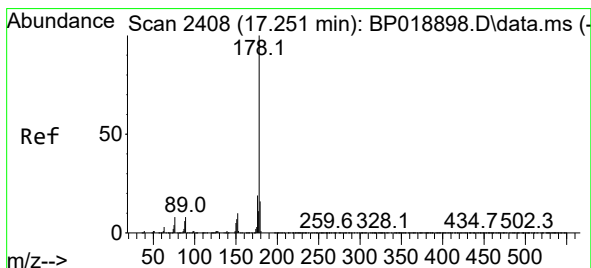
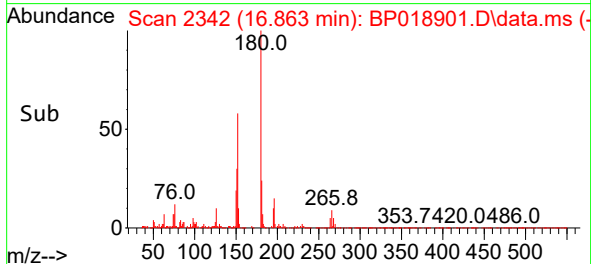
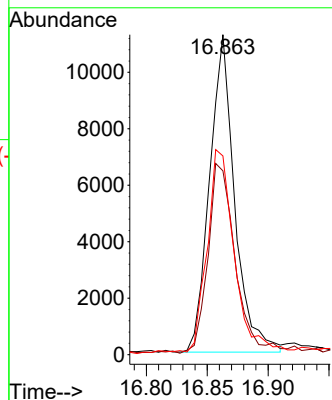
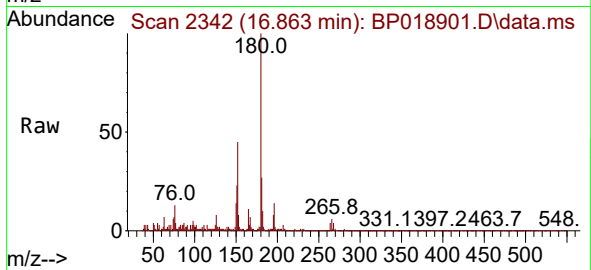
Tgt Ion:266 Resp: 16084

Ion Ratio Lower Upper

266 100

264 57.4 50.2 75.2

268 62.1 50.5 75.7



#72

Phenanthrene

Concen: 85.092 ng/ul

RT: 17.257 min Scan# 2409

Delta R.T. -0.000 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

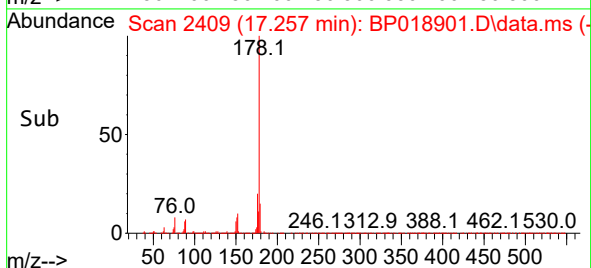
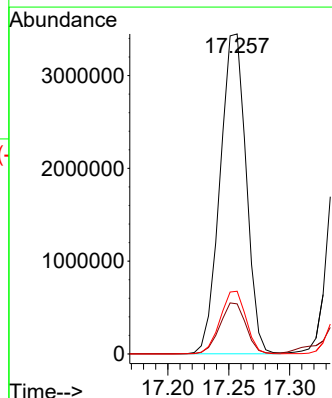
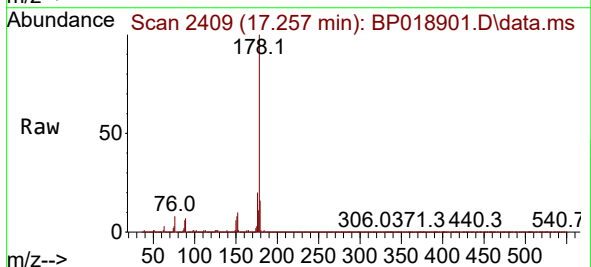
Tgt Ion:178 Resp: 5134984

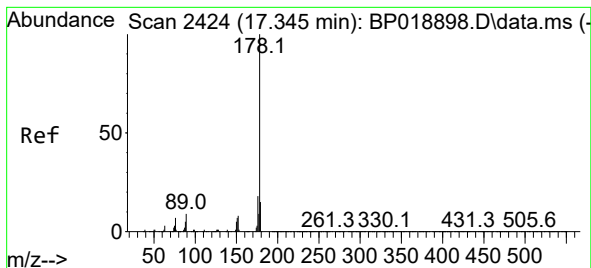
Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 19.6 15.4 23.2





#74

Anthracene

Concen: 104.882 ng/ul

RT: 17.345 min Scan# 24

Delta R.T. -0.000 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

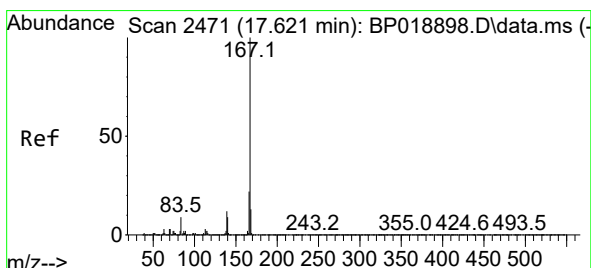
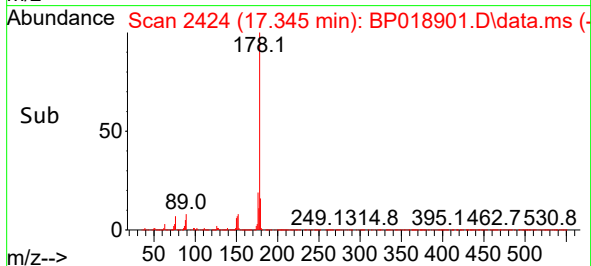
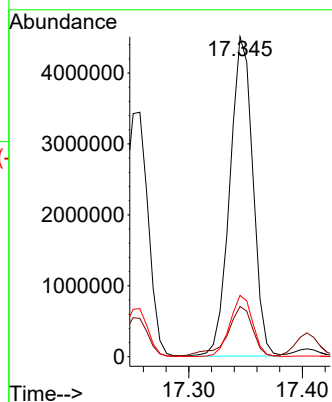
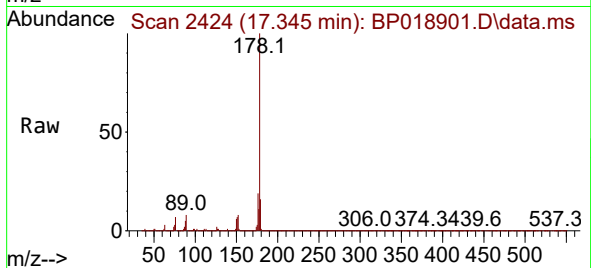
Tgt Ion:178 Resp: 6344277

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

176 19.2 15.0 22.6



#77

Carbazole

Concen: 15.730 ng/ul

RT: 17.616 min Scan# 2470

Delta R.T. -0.006 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

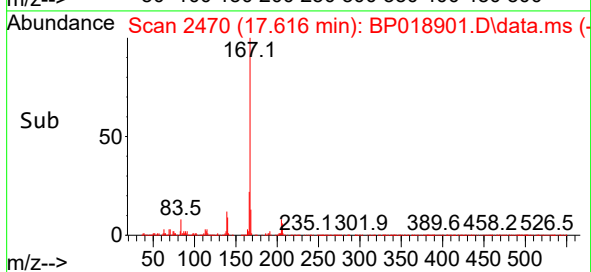
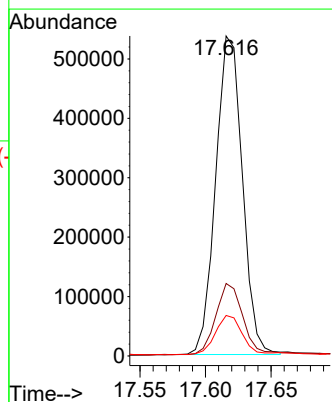
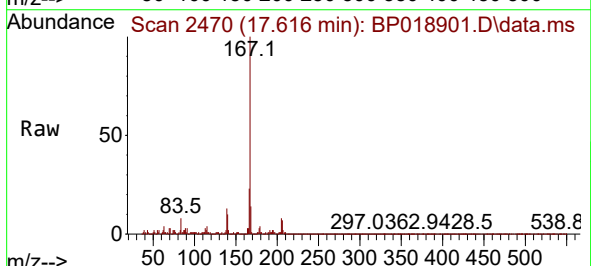
Tgt Ion:167 Resp: 758348

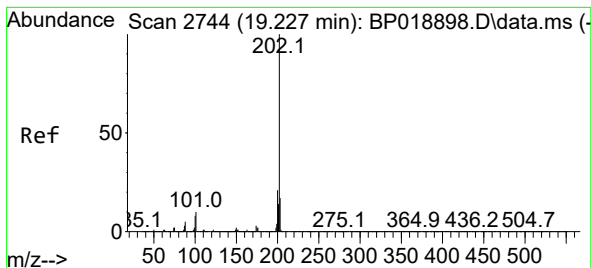
Ion Ratio Lower Upper

167 100

166 22.7 17.1 25.7

139 12.6 10.2 15.4





#80

Fluoranthene

Concen: 2.209 ng/ul

RT: 19.374 min Scan# 21

Delta R.T. 0.147 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

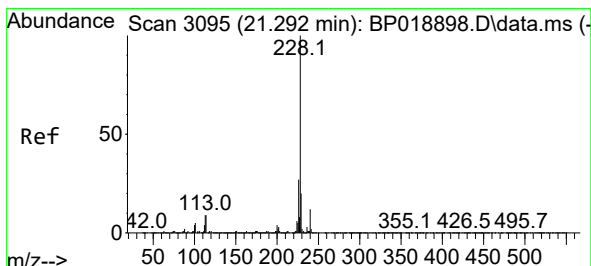
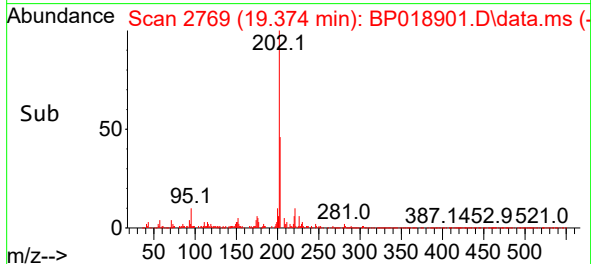
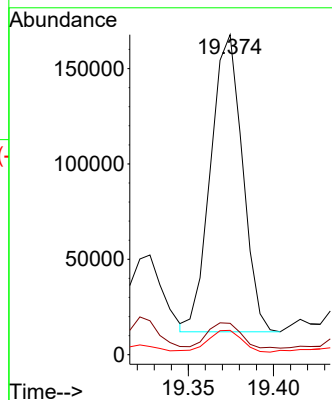
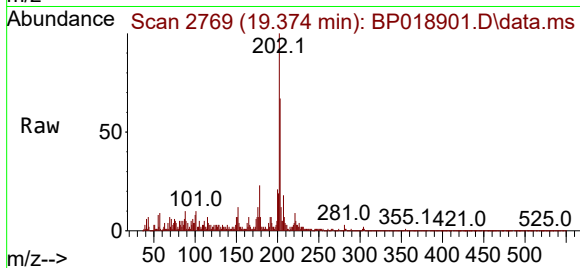
Tgt Ion:202 Resp: 202624

Ion Ratio Lower Upper

202 100

101 9.8 9.1 13.7

100 7.6 7.1 10.7



#85

Benzo(a)anthracene

Concen: 81.388 ng/ul

RT: 21.292 min Scan# 3095

Delta R.T. 0.006 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

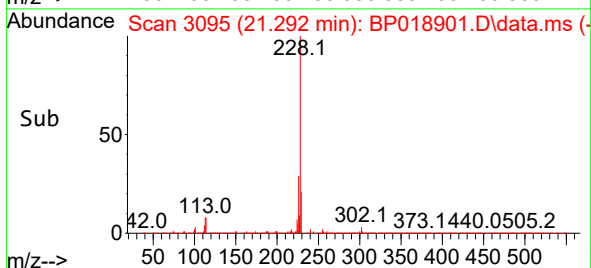
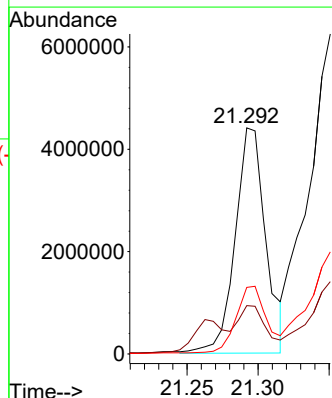
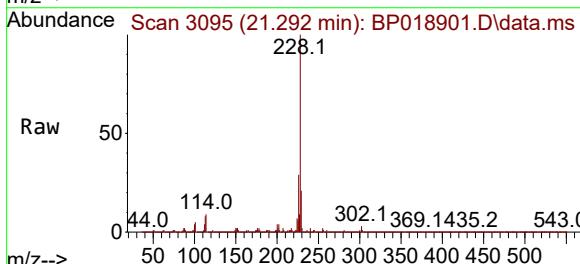
Tgt Ion:228 Resp: 6586559

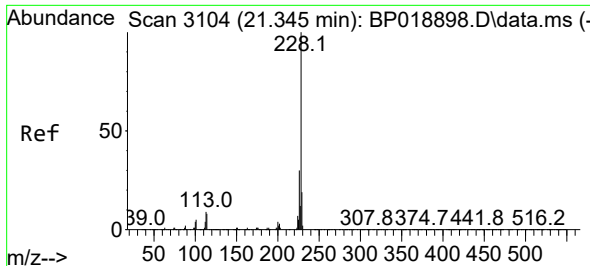
Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

226 29.4 21.9 32.9

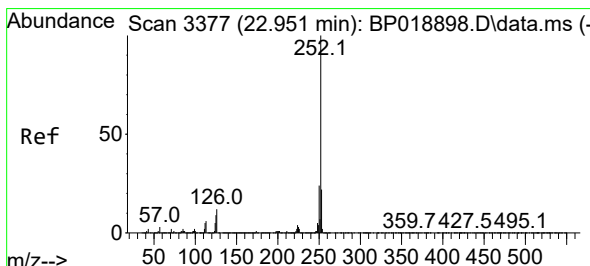
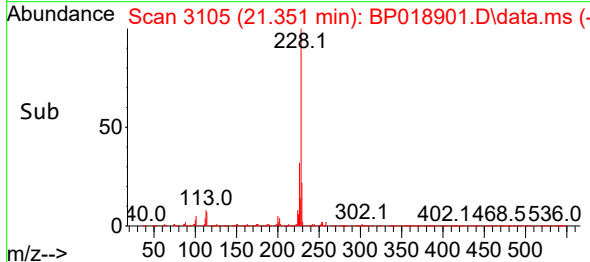
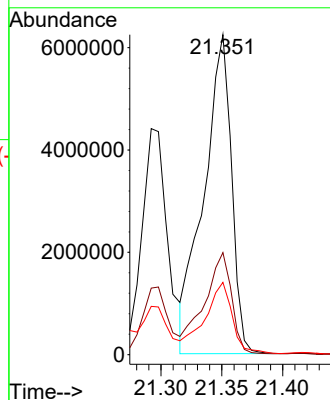
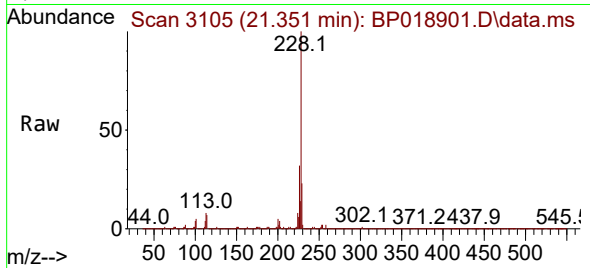




#87
Chrysene
Concen: 132.368 ng/ul
RT: 21.351 min Scan# 3105
Delta R.T. 0.012 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

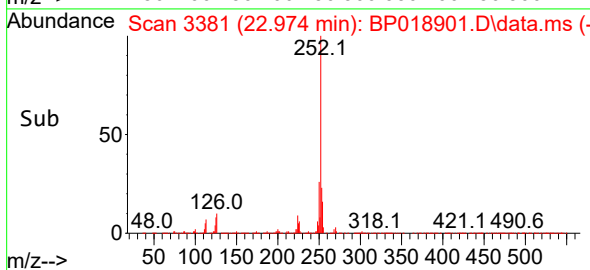
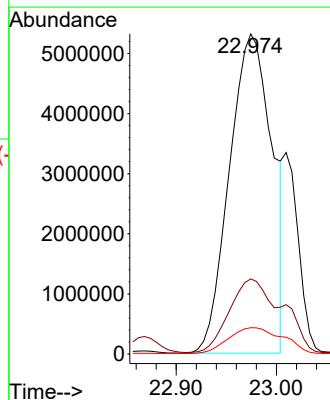
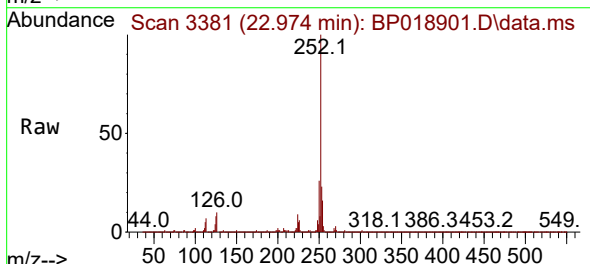
Instrument :
BNA_P
ClientSampleId :
DCLF1

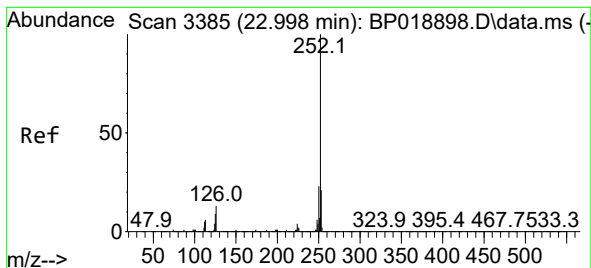
Tgt Ion:228 Resp: 9864775
Ion Ratio Lower Upper
228 100
226 31.9 23.9 35.9
229 22.6 15.6 23.4



#90
Benzo(b)fluoranthene
Concen: 171.026 ng/ul
RT: 22.974 min Scan# 3381
Delta R.T. 0.029 min
Lab File: BP018901.D
Acq: 18 Dec 2023 11:48

Tgt Ion:252 Resp:15736927
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 8.2 7.8 11.6





#91

Benzo(k)fluoranthene

Concen: 176.759 ng/ul

RT: 22.974 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

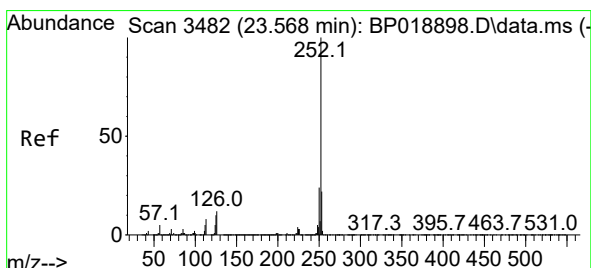
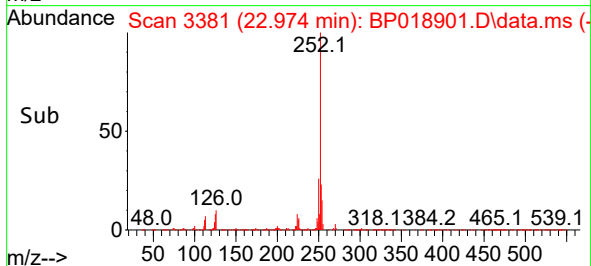
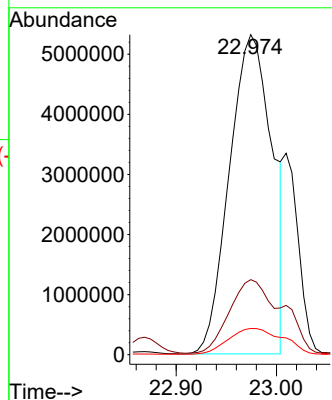
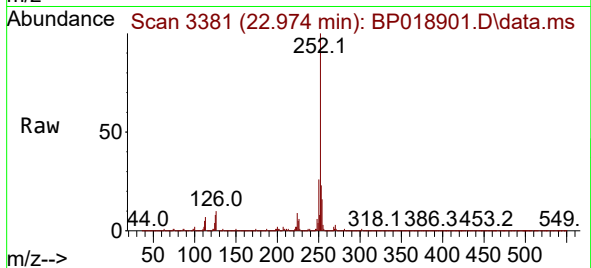
Tgt Ion:252 Resp:15736927

Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 8.2 8.0 12.0



#93

Benzo(a)pyrene

Concen: 75.574 ng/ul

RT: 23.480 min Scan# 3467

Delta R.T. -0.082 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

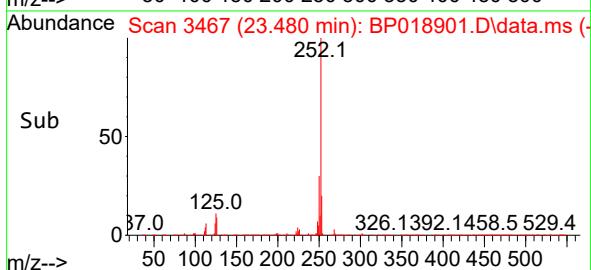
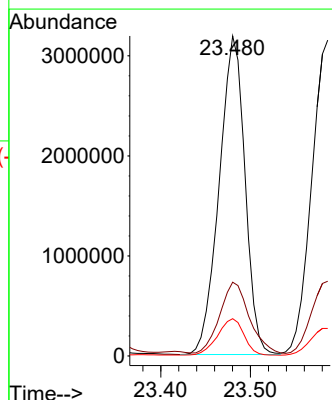
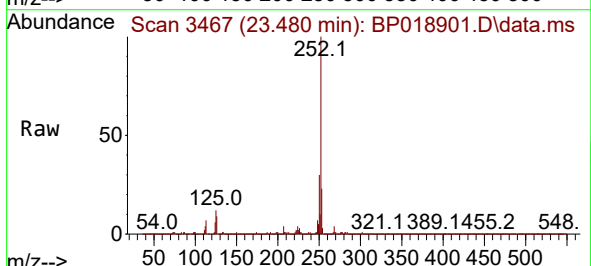
Tgt Ion:252 Resp: 6354010

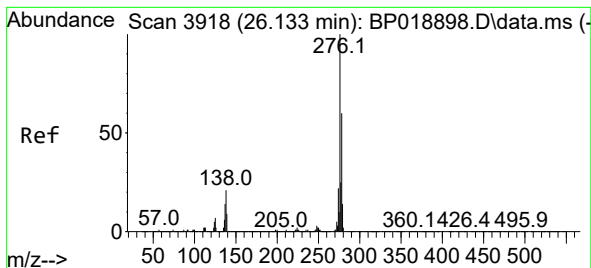
Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 11.7 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 47.790 ng/ul

RT: 26.151 min Scan# 3921

Delta R.T. 0.029 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1

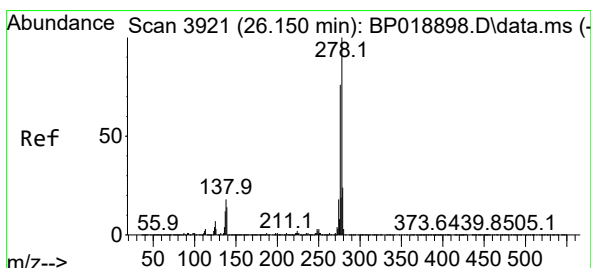
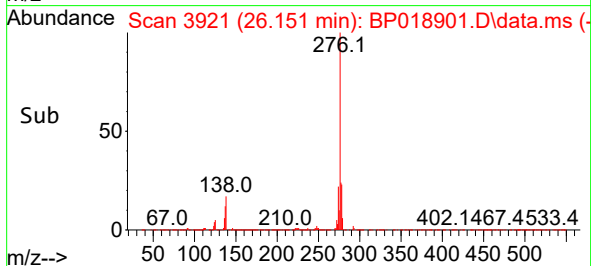
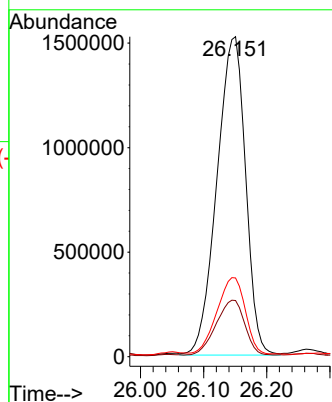
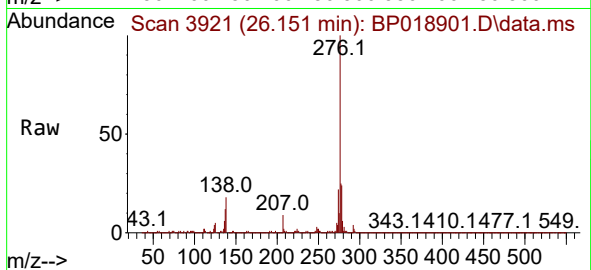
Tgt Ion:276 Resp: 4800755

Ion Ratio Lower Upper

276 100

138 17.6 19.4 29.2#

277 24.6 19.8 29.6



#95

Dibenzo(a,h)anthracene

Concen: 14.809 ng/ul

RT: 26.151 min Scan# 3921

Delta R.T. 0.012 min

Lab File: BP018901.D

Acq: 18 Dec 2023 11:48

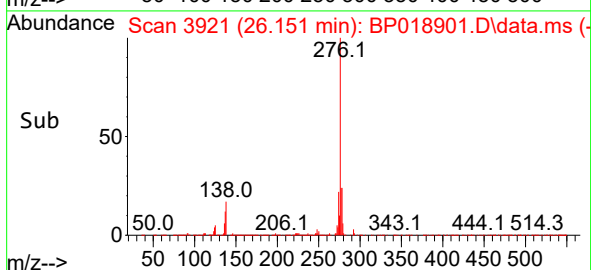
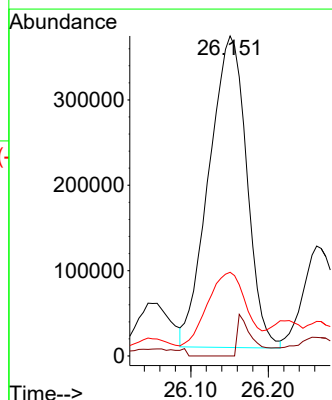
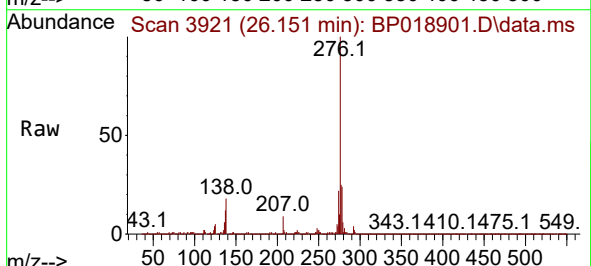
Tgt Ion:278 Resp: 1237475

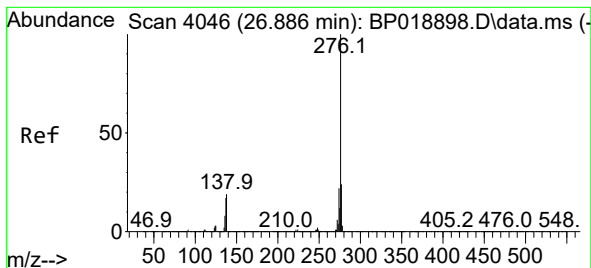
Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.6#

279 26.2 18.7 28.1





#96

Benzo(g,h,i)perylene

Concen: 23.045 ng/ul

RT: 26.898 min Scan# 4048

Delta R.T. 0.023 min

Lab File: BP018901.D

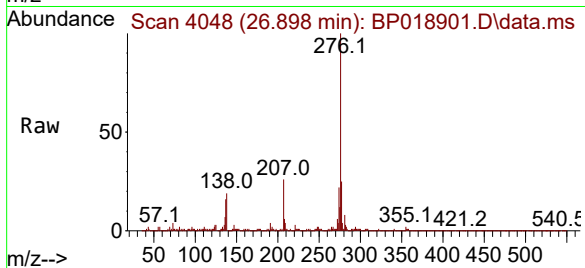
Acq: 18 Dec 2023 11:48

Instrument :

BNA_P

ClientSampleId :

DCLF1



Tgt Ion:276 Resp: 1863062

Ion Ratio Lower Upper

276 100

138 18.5 18.1 27.1

277 24.7 19.4 29.0

